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COMUNE DI **ASCOLI PICENO**
Provincia di **Ascoli Piceno**

COMMITTENTE

Comune di Ascoli Piceno

PROGETTISTA

ing. Danilo Filiaggi

OGGETTO DELL'INTERVENTO

VULNERABILITA' SISMICA
SCUOLA MEDIA CECI
"BLOCCO AULE"

ELABORATO

Relazione vulnerabilità sismica

COMMESSA 20-32-STR

R-AULE

Firme ed approvazioni

N.	DATA	REDAT.	CONTR.	APPR.	DESCRIZIONE
1	FEB/21	RM	DF	DF	CONSEGNA
2					
3					
4					

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DOCUMENTAZIONE ESISTENTE

ELENCO DELLA DOCUMENTAZIONE ESISTENTE

Dagli accessi agli atti eseguiti presso gli archivi comunali e dell'Ex Ufficio del Genio Civile di Ascoli Piceno sono state reperite per il BLOCCO AULE le seguenti pratiche strutturali.

COSTRUZIONE EDIFICIO

Denuncia Lavori:	Pratica 7416 Prot. 1202 del 03/03/1978
Variante:	Pratica 7416 Prot. 727 del 27/03/1980
Relazione Struttura Ultimata:	Pratica 7416 Prot. 729 del 27/03/1980

REALIZZAZIONE ASCENSORE INTERNO

Denuncia Lavori:	Pratica 15609 Prot. 7906 del 16/11/1998

PRIMO MIGLIORAMENTO SISMICO

Denuncia Lavori:	Pratica 16332 Prot. 4843 del 19/07/1999

SECONDO MIGLIORAMENTO SISMICO

Denuncia Lavori:	Pratica 132405 Prot. 9321 del 20/02/2014
Integrazione:	Pratica 132405 Prot. 29780 del 17/06/2015
Relazione Struttura Ultimata:	Pratica 132405 Prot. 45440 del 06/10/2015
Collaudo:	Pratica 132405 Prot. 45441 del 06/10/2015

EVOLUZIONE STRUTTURALE E STORIA SISMICA

L'evoluzione strutturale subita nel tempo del BLOCCO AULE è sintetizzata nei riferimenti delle pratiche riportate al paragrafo precedente. In particolare dalla sua ultimazione avvenuta nel 1980, si sono susseguiti i seguenti interventi:

- 1998: realizzazione ascensore interno in acciaio in corrispondenza del vano scale sud
- 1999: lavori sulle facciate nord e sud dell'edifico in corrispondenza bagni realizzati a mò di bow window che presentavano deformate eccessive e lesioni da distacco;
- 2014-2015: opere di miglioramento sismico fra cui l'inserimento di setti in cemento armato nel vano scale nord, l'inserimento di telai di controventatura in cemento armato all'esterno del vano scale sud ed il rinforzo di alcuni pilastri con incamiciature in acciaio.

Tra questi, evidentemente, l'ultimo intervento è quello di maggior rilevanza dal punto di vista dell'evoluzione strutturale del BLOCCO in esame.

A seguire si riportano i sismi storici subiti dall'edificio a partire dalla sua ultimazione. Tra essi si evidenziano quelli di maggiore intensità.

Intensità	Anno	Mese	Giorno	Ora	Min	Sec	Epicentro	NMDP	Io	Mw
NF	1983	11	9	16	29	52,00	Parmense	850	6-7	5,04
4-5	1984	4	29	5	2	59,00	Umbria settentrionale	709	7	5,62
3	1984	5	7	17	50		Monti della Meta	911	8	5,86
3-4	1984	5	11	10	41	49,27	Monti della Meta	342	7	5,47
5	1985	5	1	16	57	35,00	Ascolano	51	5	4,09
4	1986	10	13	5	10	0,31	Monti Sibillini	322	5-6	4,46
5	1987	7	3	10	21	57,64	Costa Marchigiana	359	7	5,06
5	1987	9	4	16	42	49,60	Costa Marchigiana	75	6	4,66
NF	1990	5	5	7	21	29,61	Potentino	1375		5,77
4	1991	11	12	21	45	55,05	Ascolano	19	5-6	3,54
NF	1992	10	24	18	44	48,60	Monti della Laga	32	5	4,08
3-4	1993	6	5	19	16	17,02	Valle del Topino	326	6	4,72
3-4	1995	12	30	15	22	8,73	Fermano	106	5	4,19
3-4	1996	1	1	12	21	41,54	Maceratese	91	5-6	4,2
NF	1996	1	22	18	37	44,36	Fermano	76	5	3,96
3-4	1996	7	9	10	23	7,21	Costa abruzzese-marchigiana	45		4,2
3-4	1996	10	20	19	6	55,57	Appennino laziale-abruzzese	100	5	4,36
5	1997	9	26	0	33	12,88	Appennino umbro-marchigiano	760	7-8	5,66
5-6	1997	9	26	9	40	26,60	Appennino umbro-marchigiano	869	8-9	5,97
4	1997	10	3	8	55	22,07	Appennino umbro-marchigiano	490		5,22
5	1997	10	14	15	23	10,64	Valnerina	786		5,62
3-4	1997	11	9	19	7	33,27	Valnerina	180		4,87
6	1998	3	21	16	45	9,21	Appennino umbro-marchigiano	141		5
3	1999	10	10	15	35	51,91	Alto Reatino	79	4-5	4,21
4-5	2000	10	24	7	52	23,70	Monti Sibillini	65	5	4,11
3	2003	5	25	17	15	13,95	Ascolano	88	4-5	3,81

4	2004	12	9	2	44	25,29	Teramano	213	5	4,09
NF	2005	4	12	0	31	51,61	Maceratese	131	4	3,74
NF	2005	12	15	13	28	39,59	Val Nerina	350	5	4,14
4	2006	4	10	19	3	36,67	Maceratese	211	5	4,06
NF	2006	10	21	7	4	10,01	Anconetano	287	5	4,21
5	2016	8	24	1	36	32,00	Monti della Laga	221	10	6,18
5-6	2017	1	18	10	14	9,90	Aquilano	280		5,7

RELAZIONE SULL'UTILIZZO DELLA DOCUMENTAZIONE ESISTENTE

La documentazione esistente reperita nel corso degli accessi agli atti è risultata di fondamentale importanza ai fini della conoscenza delle caratteristiche dei materiali e dei dettagli della struttura e congiuntamente ai riscontri forniti dalla campagna indagini eseguita dal laboratorio incaricato (Labortec Ingest Srl) ha permesso di definire correttamente il Livello di Conoscenza.

Al riguardo si deve segnalare che le risultanze della campagna indagini sono risultate coerenti con i contenuti degli elaborati strutturali.

CONOSCENZA DEL MANUFATTO

DESCRIZIONE GENERALE DELL'OPERA

Il "BLOCCO AULE" in esame fa parte del più ampio complesso scolastico della "Scuola Media Ceci" situata nel quartiere di Borgo Solestà, nella parte Nord-Ovest della città, in via San Severino da Montegranaro n. 1. L'edificio si colloca sul terrazzo fluviale in sponda sinistra del fiume Tronto in zona non oggetto di vincoli idrogeologici e comunque nella fascia dei 150mt dalle sponde del fiume stesso (art. 142 D.Lgs. 42/2004 e smi)

Nella figura seguente è indicato il complesso scolastico e sono individuati i corpi di fabbrica componenti.

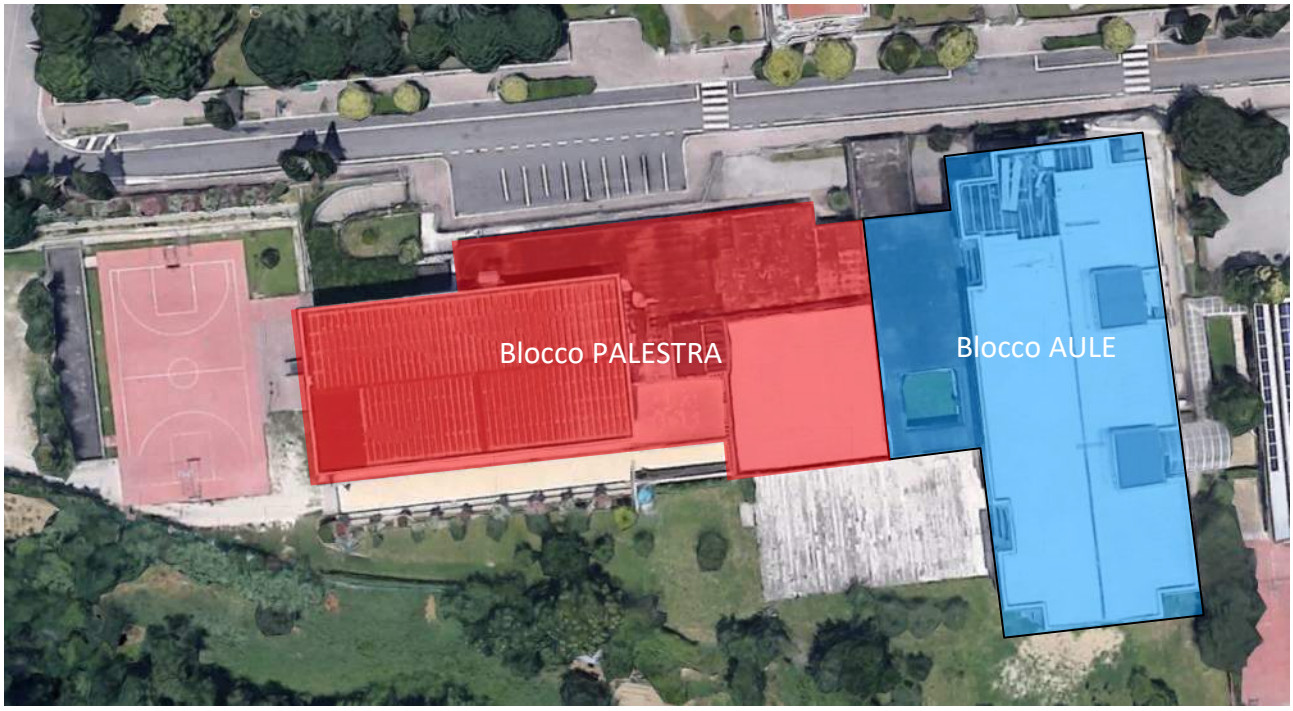


Figura - Individuazione blocchi fabbricato

Quest'ultimi sono due e sono separati da un giunto tecnico di circa 3cm, sulla cui efficacia si dirà più avanti.

Il "BLOCCO AULE" in particolare è costituito da tre piani fuori terra oltre una piccola porzione di interrato; ha strutture intelaiate in cemento armato gettato in opera e solai in latero-cemento sp. 20+4 cm.

Per maggiori dettagli si faccia riferimento alla storia evolutiva del fabbricato ed agli elaborati grafici allegati.

Le superfici utili lorde dei vari piani sono all'incirca:

- Interrato (Livello 0): 40 mq
- Terra (Livello 1): 1.200 mq
- Primo (Livello 2): 1.060 mq
- Secondo (Livello 3): 1.105 mq

e le altezze di interpiano valgono:

- Interrato (Livello 0): 2,76 m
- Terra (Livello 1): 3,18 m

- Primo (Livello 2): 3,18 m
- Secondo (Livello 3): 3,18 m

RELAZIONE SULLE FONDAZIONI

Le fondazioni sono in c.a. gettato in opera di tipo superficiale, plinti, collegati da un reticolo di cordoli in entrambe le direzioni. Sulla base del sondaggio eseguito nell'ambito della campagna indagini è stato verificato che la testa dei plinti è collocata a circa -1,30m dal piano compagna.

Il blocco in esame non manifesta segni di meccanismi connessi a carenze del sistema di fondazione (cedimenti o dissesti, etc) e per esso non sussistono pericoli connessi a potenziali fenomeni di liquefazione o ribaltamento e/o scorrimento. Si vedano al riguardo anche i contenuti della relazione geologica del dott. Anasparri.

Per tali ragioni, di concerto con la committente, le analisi di vulnerabilità si limitano ad analizzare esclusivamente le sovrastrutture, prevedendo incastri al piede delle pilastrate. Si richiamano al riguardo i contenuti del punto §8.3 NTC2018

Qualora sia necessario effettuare la valutazione della sicurezza della costruzione, la verifica del sistema di fondazione è obbligatoria solo se sussistono condizioni che possano dare luogo a fenomeni di instabilità globale o se si verifica una delle seguenti condizioni:

- nella costruzione siano presenti importanti dissesti attribuibili a cedimenti delle fondazioni o dissesti della stessa natura si siano prodotti nel passato;
- siano possibili fenomeni di ribaltamento e/o scorrimento della costruzione per effetto: di condizioni morfologiche sfavorevoli, di modificazioni apportate al profilo del terreno in prossimità delle fondazioni, delle azioni sismiche di progetto;
- siano possibili fenomeni di liquefazione del terreno di fondazione dovuti alle azioni sismiche di progetto.

Allo scopo di verificare la sussistenza delle predette condizioni, si farà riferimento alla documentazione disponibile e si potrà omettere di svolgere indagini specifiche solo qualora, a giudizio esplicitamente motivato del professionista incaricato, sul volume di terreno significativo e sulle fondazioni sussistano elementi di conoscenza sufficienti per effettuare le valutazioni precedenti.

DOCUMENTAZIONE FOTOGRAFICA A COLORI CON INDICAZIONE DEI PUNTI DI VISTA

Nella figura seguente sono riportati i punti di scatto fotografici da cui si possono evincere i fronti del blocco in esame e le sue caratteristiche salienti.

PIANTA PIANO TERRA - PUNTI DI VISTA FOTOGRAFICI

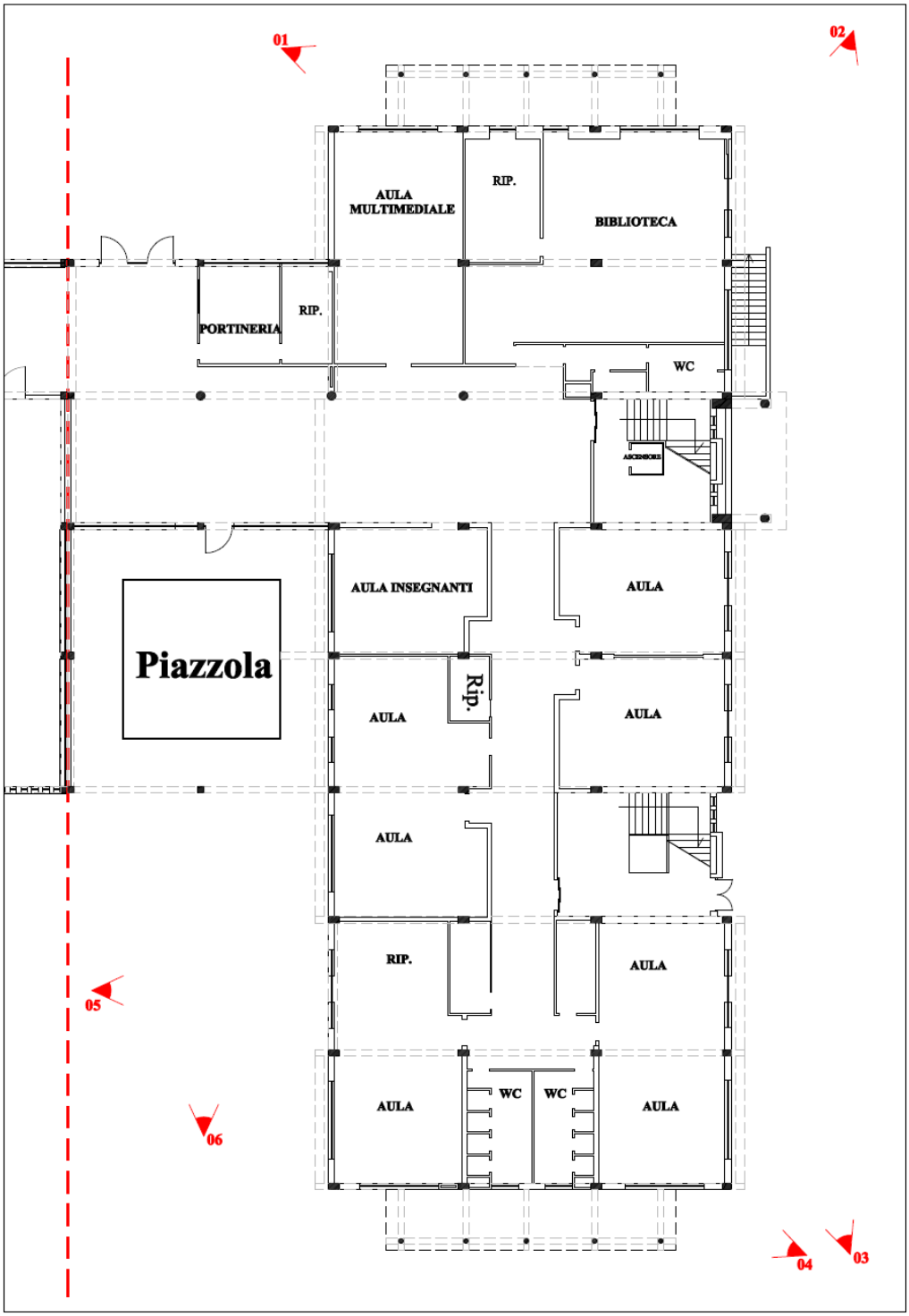


Foto 1

Foto 2

Foto 3

Foto 4

Foto 5

Foto 6

RILIEVO GRAFICO E FOTOGRAFICO DEL QUADRO FESSURATIVO

Per il blocco in esame si riscontrano alcune lesioni in corrispondenza delle porzioni di testa ove sono collocati i servizi igienici.

A seguire si riportano punti di scatto fotografici e relative immagini.

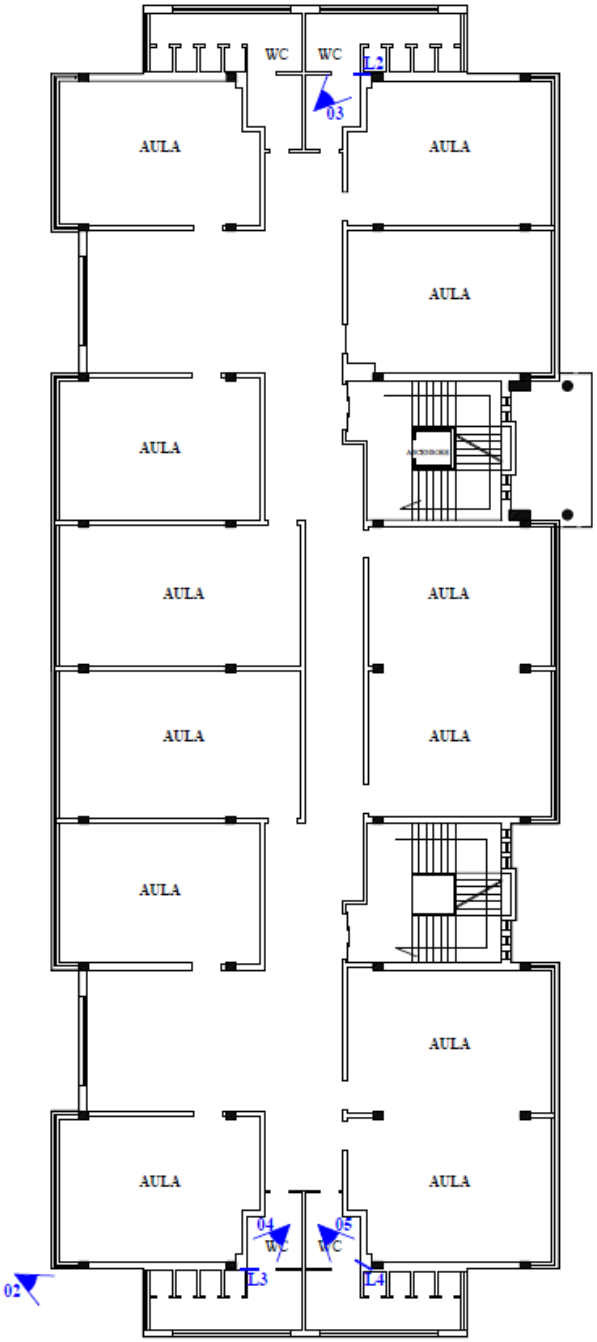


Figura 1 - Pianta Piano Primo

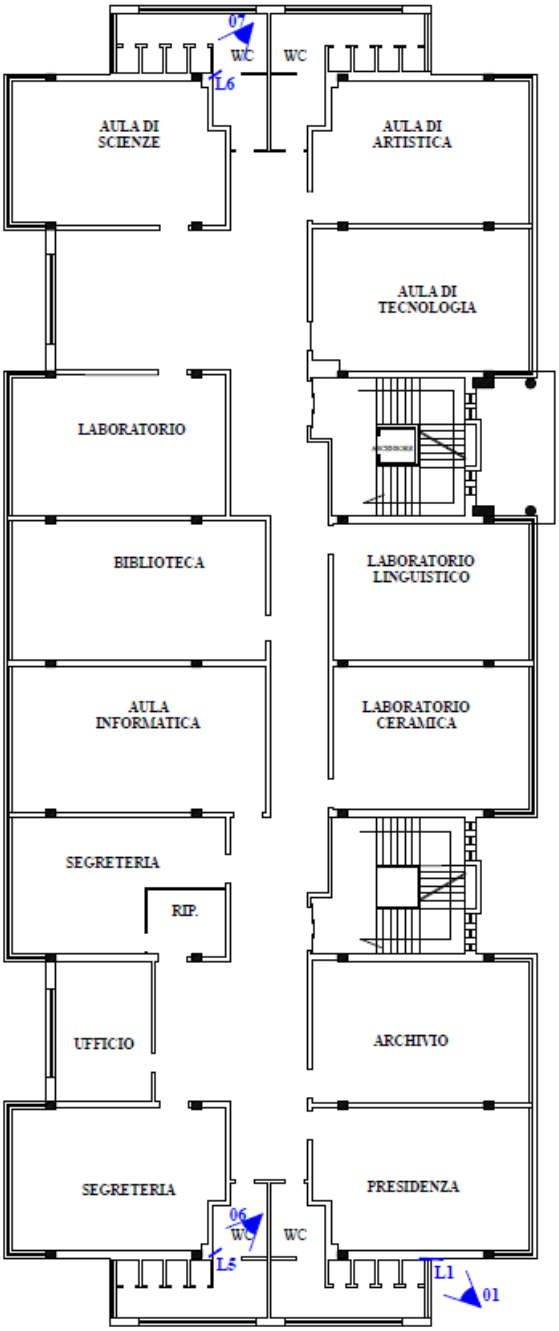


Figura 2 - Pianta Piano Secondo

Foto 1– Lesione sulla tamponatura nel punto di intersezione fra facciata Sud e sbalzo del blocco bagni

Foto 2 – Blocco bagni lato Sud

Foto 3 – Lesione sulla tamponatura interna del blocco bagni lato Sud

Foto 4 – Lesione sulla tamponatura interna del blocco bagni lato Nord

Foto 5 – Lesione sulla tamponatura interna del blocco bagni lato Nord

Foto 6 – Lesione sulla tamponatura interna del blocco bagni lato Nord

Foto 7 – Lesione sulla tamponatura interna del blocco bagni lato Sud

Tutte le lesioni si concentrano all'attacco tra il corpo principale dell'edificio ed i vecchi bow windows su cui peraltro si era intervenuti specificatamente nel 1999 (Pratica 16332 Prot. 4843 del 19/07/1999).

RELAZIONE SULLO STATO GENERALE DI CONSERVAZIONE DELL'OPERA E QUADRO FESSURATIVO RISCONTRATO

Lo stato di conservazione dell'opera risulta complessivamente discreto e non si evidenziano interventi di manutenzione urgenti che possano influire nei riguardi della vulnerabilità sismica.

Per quanto concerne specificatamente le fessure presenti, descritte al paragrafo precedente, da testimonianze raccolte tra il personale scolastico è emerso come esse si siano manifestate a seguito degli eventi sismici del 2016. Si ritiene pertanto che siano dovute alla differente rigidezza di comportamento tra il corpo principale e gli ex bow windows. Da quanto si è potuto riscontrare inoltre le fessure non interessano elementi strutturali, bensì le sole tamponature, per cui si ritiene non vadano ad influire nei riguardi della vulnerabilità sismica.

ELABORATI GRAFICI DI RILEVO FONDAMENTALI

Gli elaborati grafici architettonici e strutturali del blocco in esame sono allegati alla presente relazione. Quelli architettonici derivano da rilievo in situ mentre quelli strutturali sono la scansione delle varie pratiche (attesati di deposito etc) succedutesi nel tempo.

INDAGINI IN SITU

SUI TERRENI PER LA CARATTERIZZAZIONE DEI SUOLI

RELAZIONE GEOLOGICO – GEOTECNICA

La relazione geologica comprensiva delle indagini geologico - geotecniche - geofisiche è allegata alla presente verifica di vulnerabilità ed è stata redatta dal dott. Pier Luigi Anasparri.

A seguire vengono sintetizzati i risultati desumibili dalle indagini sui terreni.

Non si segnalano peraltro criticità connesse a liquefazione, aree PAI etc

SINTESI DEI RISULTATI OTTENUTI

Velocità delle onde: $V_{S,30}$ = 480m/s

Categoria di Terreno: B

Categoria Topografica: T2

SULL'EDIFICIO PER L'ACQUISIZIONE DEL LIVELLO DI CONOSCENZA, DEL FATTORE DI CONFIDENZA FC E DELLE PROPRIETÀ DEI MATERIALI

RELAZIONE SULLE INDAGINI

La campagna indagini, allegata alla presente verifica di vulnerabilità, è stata eseguita da Laboratorio autorizzato - Labortec Ingest S.r.l. - ed ha riguardato gli aspetti connessi ai materiali ed ai dettagli strutturali.

Assieme ad essa, al fine di definire il Livello di Conoscenza LC, sono stati utilizzati:

- gli elaborati strutturali agli atti, rinvenuti da ricerche di archivio (comune ed Ex Genio Civile);
- le indagini eseguite dallo stesso laboratorio Labortec Ingest S.r.l. nel 2013, finalizzate all'intervento di miglioramento sismico del 2014 (Pratica 132405).

RELAZIONE DELLE VALUTAZIONI DEL TECNICO INCARICATO SULLE CARATTERISTICHE DEI MATERIALI

Sulla base di quanto anticipato al precedente paragrafo vengono riportate a seguire le resistenze dei materiali strutturali desunte per le varie membrature in funzione degli interventi susseguitisi nel tempo.

"STRUTTURE ORIGINARIE"

Per "strutture originarie" si intendono quelle preesistenti gli interventi di miglioramento eseguiti a partire dagli anni 1998 e successivi. In tal senso tornano utili le indagini eseguite dalla Labortec Ingest S.r.l. sia nell'anno 2013 che nel recente 2021.

PROVE DIRETTE EFFETTUATE SUI PILASTRI NEL 2013

Pilastri I Ordine

Elemento Strutturale	Compressione Provini: Resistenza campione (MPa)	Compressione Provini: Resistenza cubica (MPa)
Pilastro P22	16,85	**20,22**
Pilastro P12	5,90	**7,11**
Pilastro P26	18,77	**22,43**
Pilastro P24	19,54	**28,77**
MEDIA	**15,27**	**19,63**

NOTA: Come indicato nella relazione di calcolo del miglioramento sismico del 2014, il valore di resistenza di 7,11MPa venne ritenuto anomalo, pertanto il progettista richiese prove suppletive che confermarono la bontà delle altre misurazioni. Tale valore venne pertanto ignorato nel calcolo della resistenza media.

Pilastri II Ordine

Elemento Strutturale	Compressione Provini: Resistenza campione (MPa)	Compressione Provini: Resistenza cubica (MPa)
Pilastro P16	28,79	**31,53**
Pilastro P24	22,91	**25,20**
Pilastro P21	13,04	**14,70**
MEDIA	**21,58**	**23,81**

Pilastri III Ordine

Elemento Strutturale	Compressione Provini: Resistenza campione (MPa)	Compressione Provini: Resistenza cubica (MPa)
Pilastro P24	22,03	**24,33**
Pilastro P16	14,10	**16,85**
Pilastro P26	22,52	**24,67**
MEDIA	**19,55**	**21,95**

La resistenza cilindrica media dei **pilastri** ottenuta dalle prove dirette risulta $f_{cm} = 19{,}84MPa$

La resistenza cubica è $R_{cm} = 23{,}90MPa$

PROVE DIRETTE EFFETTUATE SULLE TRAVI NEL 2013

Travi I Impalcato

Elemento Strutturale	Compressione Provini Resistenza campione (MPa)	Compressione Provini Resistenza cubica (MPa)
Trave T11/20	16,93	20,32
MEDIA	**16,93**	**20,32**

Travi II Impalcato

Elemento Strutturale	Compressione Provini Resistenza campione (MPa)	Compressione Provini Resistenza cubica (MPa)
Trave T13/22	19,58	22,98
MEDIA	**19,58**	**22,98**

Travi III Impalcato

Elemento Strutturale	Compressione Provini Resistenza campione (MPa)	Compressione Provini Resistenza cubica (MPa)
Trave T16/25	21,81	23,99
MEDIA	**21,81**	**23,99**

PROVE DIRETTE EFFETTUATE SULLE TRAVI NEL 2021

Prove di compressione – Travi – BLOCCO AULE

DETERMINAZIONE DELLA RESISTENZA A COMPRESSIONE

Sigla del prelievo	Ubicazione del prelievo	Resistenza cilindrica f_c [MPa]	Resistenza cubica R_c [MPa]
C9	Aule I Impalcato - Trave 3-38	16,73	20,16
C10	Aule I Impalcato - Trave 6-40	24,19	29,14
C11	Aule II Impalcato - Trave 16-25	11,95	14,40
	Resistenza media	***Rcm [MPa]***	**21,23**
	Resistenza media	***fcm [MPa]***	**17,62**

La resistenza cilindrica media delle **travi** ottenuta dalle prove dirette risulta $f_{cm} = 18{,}53MPa$

La resistenza cubica è $R_{cm} = 22{,}33MPa$

Oltre a prove dirette sono state eseguite nel 2021 anche prove SonReb i cui risultati sono sintetizzati a seguire.

-SonReb -Travi – BLOCCO AULE

METODO COMBINATO RILIEVI MICROSISMICI - SCLEROMETRO
QUADRO RIEPILOGATIVO DEI RISULTATI

Tabella	Struttura	Resistenza a Compressione [MPa]	Velocità di Propagazione [m/s]
So13	I Impalcato - Trave 13-22	22,71	3392
So14	II Impalcato - Trave 12-21	23,16	3436
So15	II Impalcato - Trave 15-24	23,92	3469
So16	III Impalcato - Trave 11-20	22,81	3378
So17	III Impalcato - Trave 14-23	23,51	3433
Media		23,22	3421

Il calcolo della resistenza del calcestruzzo mediante prove SonReb è stato effettuato con la seguente formulazione, con coefficienti ottenuti dalla calibrazione con prove distruttive:

$$R_c = 0{,}00004 \cdot R^{1{,}881} \cdot V^{0{,}808}$$

in cui:

- Rc = Resistenza del conglomerato cementizio (MPa)
- R = Valore medio totale dell'indice di rimbalzo
- V = Velocità di propagazione delle onde vibrazionali (m/s)

La resistenza cilindrica media delle travi ottenuta dalle prove dirette risulta $f_{cm} = 0{,}83 \cdot R_{cm} = 19{,}27 MPa$

<u>Per ogni tipologia di elemento strutturale (travi e pilastri) la resistenza del calcestruzzo è stata infine calcolata come media dei risultati ottenuti tra carote e prove SonReb (ove presenti)</u>

Per quanto concerne la resistenza delle **barre di armatura** sono state ritenute sufficienti le prove dirette di trazione effettuate su spezzoni di armatura nell'anno 2013.

Sigla prelievo	Ubicazione prelievo	O mm	Area mm²	Prova di trazione			
				A_{gt} %	f_y N / mm²	f_t N / mm²	f_t / f_y
A1	I Ordine - Pilastro P23	16,27	207,83	10,1	379,0	548,0	1,45
A2	I Impalcato - Trave T23/32	14,13	156,72	15,3	398,0	567,0	1,42
A3	II Ordine - Pilastro P17	16,23	206,97	16,3	430,0	641,0	1,49
A4	II Impalcato - Trave T17/26	16,28	208,23	16,9	406,0	598,0	1,47
A5	III Ordine - Pilastro P7	16,22	206,55	10,2	379,0	556,0	1,47
A6	III Impalcato - Trave T7/16	14,41	163,10	10,5	416,0	601,0	1,44

Nota: Tutti i prelievi sono del tipo ad aderenza migliorata

Alla luce delle prove eseguite, di concerto con la committente, considerati:

- i dettami della tabella C.8.5.IV della Circolare 21 gennaio 2019, n. 7 C.S.LL.PP
- la ripetitività degli schemi strutturali e della disposizione delle armature
- la possibilità contemplata dalla DGR Marche 1168 del 26 luglio 2010 di utilizzo di FC differenziati
- l'omogeneità del materiale ed i controlli di produzione per le barre di armatura

sono stati assunti stato assunti i seguenti **Fattori di Confidenza:**

- **FC = 1.2** per calcestruzzi
- **FC = 1.0** per gli acciai

In definitiva le caratteristiche dei materiali per le "STRUTTURE ORIGINARIE" sono riportate a seguire.

Pilastri

Calcestruzzo

- Resistenza Cilindrica Media $f_{cm} = 19{,}84\ \text{MPa}$
- Resistenza Cilindrica Meccanismi Duttili $f_{cm,duttili} = {}^{f_{cm}}/_{FC} = {}^{19{,}84}/_{1{,}2} = 16{,}53\ \text{MPa}$
- Resistenza Cilindrica Meccanismi Fragili $f_{cm,fragili} = {}^{f_{cm}}/_{\gamma_c \cdot FC} = {}^{19{,}84}/_{1{,}5 \cdot 1{,}2} = 11{,}02\ \text{MPa}$
- Modulo Elastico $E = 25.582 MPa$

Acciaio

- Resistenza Media $f_{sm} = 401\text{MPa}$
- Resistenza Meccanismi Duttili $f_{sm,duttili} = {}^{f_{sm}}/_{FC} = {}^{401}/_{1{,}0} = 401{,}0\ \text{MPa}$
- Resistenza Meccanismi Fragili $f_{sm,fragili} = {}^{f_{sm}}/_{\gamma_s \cdot FC} = {}^{401}/_{1{,}15 \cdot 1{,}0} = 348{,}7\ \text{MPa}$
- Modulo Elastico $E = 210.000 MPa$

Travi

Calcestruzzo

- Resistenza Cilindrica Media $f_{cm} = 18{,}90\ \text{MPa}$
- Resistenza Cilindrica Meccanismi Duttili $f_{cm,duttili} = {}^{f_{cm}}/_{FC} = {}^{18{,}90}/_{1{,}2} = 15{,}75\ \text{MPa}$

- Resistenza Cilindrica Meccanismi Fragili $f_{cm,fragili} = {f_{cm}}/{\gamma_c \cdot FC} = {18{,}90}/{1{,}5 \cdot 1{,}2} = 10{,}5\ \mathrm{MPa}$
- Modulo Elastico $E = 25.212 MPa$

Acciaio

- Resistenza Media $f_{sm} = 401\mathrm{MPa}$
- Resistenza Meccanismi Duttili $f_{sm,duttili} = {f_{sm}}/{FC} = {401}/{1{,}0} = 401{,}0\ \mathrm{MPa}$
- Resistenza Meccanismi Fragili $f_{sm,fragili} = {f_{sm}}/{\gamma_s \cdot FC} = {401}/{1{,}15 \cdot 1{,}0} = 348{,}70\ \mathrm{MPa}$
- Modulo Elastico $E = 210.000 MPa$

INTERVENTI DI MIGLIORAMENTO ESEGUITI NEL 1999

Tali interventi hanno riguardato il rinforzo delle porzioni di bow windows in testa al "BLOCCO AULE" che vennero attuati per mezzo di telai in acciaio"Ex Fe430" a sostegno dei preesistenti sbalzi.

Considerati la limitata portata dell'intervento e i controlli di produzione sul materiale acciaio da carpenteria si è assunto per questo **FC = 1.0.**

Acciaio Carpenterie

- Resistenza Media $f_{sm} = 275\mathrm{MPa}$
- Resistenza Meccanismi Duttili $f_{sm,duttili} = {f_{sm}}/{FC} = {275}/{1{,}0} = 275{,}0\ \mathrm{MPa}$
- Resistenza Meccanismi Fragili $f_{sm,fragili} = {f_{sm}}/{\gamma_s \cdot FC} = {275}/{1{,}05 \cdot 1{,}0} = 261{,}9\ \mathrm{MPa}$
- Modulo Elastico $E = 210.000 MPa$

INTERVENTI DI MIGLIORAMENTO ESEGUITI NEL 2014

Considerato che le opere in esame sono di recentissima esecuzione e realizzate in vigenza delle NTC 2008, normativa del tutto assimilabile alle attuali NTC 2018, si è scelto di fare riferimento ai risultati delle prove sui materiali desunte dalla relazione a strutture ultimate dell'intervento.

A seguire si riportano i relativi certificati di prova per calcestruzzi e acciai.

Dati dichiarati

Sigla Interna	Sigla D.L.	Verbale prelievo N.	Data prelievo	Posizione in opera	Rck
CL01377	A1	1	23/04/14	Fondazione	Rck 30
CL01378	A2	2	23/04/14	Muri c.a. e Sol.Piano terra	Rck 30
CL01379	A3	3	15/05/14	Pilastri I° tesa e solaio p.I°	Rck 30

Risultati delle prove

Sigla Interna	Data della prova	N. Provino	Rettifica *	Dimensioni provino X [mm]	Y [mm]	Z [mm]	Superficie di prova **	Area A_c [mm²]	Massa provino m_r [kg]	Massa volumica D [kg/m³]	Carico di rottura F [kN]	Resistenza a compressione f_c [Mpa]	Tipo di rottura ***	Attrezzatura utilizzata
CL01377	24/09/15	1	NO	150	150	150	A	22500	7,58	2250	845	37,5	S	CL03
		2	NO	150	150	150	A	22500	7,54	2230	813	36,0	S	
CL01378	24/09/15	1	NO	150	150	150	A	22500	7,53	2230	839	37,5	S	CL03
		2	NO	150	150	150	A	22500	7,60	2250	877	39,0	S	
CL01379	24/09/15	1	NO	150	150	150	A	22500	7,62	2260	905	40,0	S	CL03
		2	NO	150	150	150	A	22500	7,55	2240	890	39,5	S	

* Rettifica: Rc = Rettifica effettuata tramite cappatura; Rm = Rettifica effettuata tramite molatura; NO = Non rettificato in quanto conforme alla norma, come da verifica effettuata

** Superficie di prova: A = Asciutta B= Bagnata

*** Tipo rottura: S = Soddisfacente; F = Esplosivo; N(x) = Non soddisfacente (per x vedere Fig.2 norma UNI EN 12390-3)

Dati dichiarati

Sigla Interna	Sigla D.L.	Verbale prelievo N.	Data prelievo	Posizione in opera	Rck
CL01380	A4	4	15/05/14	Pilastri II°tesa e solaio P.2°	Rck 30
CL01381	A5	5	24/06/14	Pilastri III° tesa e solaio cop.	Rck 30
CL01382	A6	6	24/06/14	Platea su scala interna	Rck 30

Risultati delle prove

Sigla Interna	Data della prova	N. Provino	Rettifica *	Dimensioni provino X [mm]	Y [mm]	Z [mm]	Superficie di prova **	Area A_c [mm²]	Massa provino m_r [kg]	Massa volumica D [kg/m³]	Carico di rottura F [kN]	Resistenza a compressione f_c [Mpa]	Tipo di rottura ***	Attrezzatura utilizzata
CL01380	24/09/15	1	NO	150	150	150	A	22500	7,58	2250	903	40,0	S	CL03
		2	NO	150	150	150	A	22500	7,63	2260	939	41,5	S	
CL01381	24/09/15	1	NO	150	150	150	A	22500	7,66	2270	950	42,0	S	CL03
		2	NO	150	150	150	A	22500	7,60	2250	895	40,0	S	
CL01382	24/09/15	1	NO	150	150	150	A	22500	7,64	2260	945	42,0	S	CL03
		2	NO	150	150	150	A	22500	7,63	2260	912	40,5	S	

* Rettifica: Rc = Rettifica effettuata tramite cappatura; Rm = Rettifica effettuata tramite molatura; NO = Non rettificato in quanto conforme alla norma, come da verifica effettuata

** Superficie di prova: A = Asciutta B= Bagnata

*** Tipo rottura: S = Soddisfacente; F = Esplosivo; N(x) = Non soddisfacente (per x vedere Fig.2 norma UNI EN 12390-3)

Dati dichiarati

Sigla Interna	Sigla D.L.	Verbale prelievo N.	Data prelievo	Posizione in opera	Rck
CL01383	A7	7	09/07/14	Setti c.a. I°tesa	Rck 30
CL01384	A8	8	31/07/14	Setti c.a. 2°tesa	Rck 30
CL01385	A9	9	25/08/14	Setti c.a. 3°tesa	Rck 30

Risultati delle prove

Sigla Interna	Data della prova	N. Provino	Rettifica *	Dimensioni provino X [mm]	Y [mm]	Z [mm]	Superficie di prova **	Area A_c [mm²]	Massa provino m_r [kg]	Massa volumica D [kg/m³]	Carico di rottura F [kN]	Resistenza a compressione f_c [Mpa]	Tipo di rottura ***	Attrezzatura utilizzata
CL01383	24/09/15	1	NO	150	150	150	A	22500	7,57	2240	877	39,0	S	CL03
		2	NO	150	150	150	A	22500	7,63	2260	902	40,0	S	
CL01384	24/09/15	1	NO	150	150	150	A	22500	7,68	2280	935	41,5	S	CL03
		2	NO	150	150	150	A	22500	7,59	2250	890	39,5	S	
CL01385	24/09/15	1	NO	150	150	150	A	22500	7,62	2260	911	40,5	S	CL03
		2	NO	150	150	150	A	22500	7,67	2270	943	42,0	S	

* Rettifica: Rc = Rettifica effettuata tramite cappatura; Rm = Rettifica effettuata tramite molatura; NO = Non rettificato in quanto conforme alla norma, come da verifica effettuata

** Superficie di prova: A = Asciutta B= Bagnata

*** Tipo rottura: S = Soddisfacente; F = Esplosivo; N(x) = Non soddisfacente (per x vedere Fig.2 norma UNI EN 12390-3)

La resistenza media risulta pari a $R_{cm,28} = 39{,}89MPa$

A tempo infinito, tenuto conto degli effetti viscosi, si considera $R_{cm} = 0{,}85 \cdot R_{cm,28} = 0{,}85 \cdot 39{,}89 = 33{,}90MPa$

La resistenza cilindrica media di **travi e pilastri** risulta quindi $f_{cm} = 0{,}83 \cdot R_{cm} = 28{,}14MPa$

Per quanto riguarda la resistenza delle **barre di armatura** sono disponibili i seguenti risultati:

Risultati delle prove

N. Provino	Sigla Interna	TRAZIONE: Data della prova	Tensione di snervamento f_y o $f_{(0,2)}$ [N/mm²]	Tensione di rottura f_t [N/mm²]	Allungamento A_{gt} [%]	Rapporto f_t/f_y	Rapporto $f_y/f_{y\,nom.}$	Sigla macchina	PIEGA: Diametro mandrino [mm]	Distanza tra i sostegni [mm]	Esito piega (*)	Sigla macchina
1	AC01828	24/09/15	522,18	624,63	9,0	1,20	1,16	AC01	32	56	A.C.	AC08
2			531,13	634,37	8,0	1,19	1,18		32	56	A.C.	
3			534,12	639,15	8,6	1,20	1,19		32	56	A.C.	
1	AC01829	24/09/15	529,04	634,01	9,3	1,20	1,18	AC01	70	112	A.C.	AC08
2			535,21	640,05	9,1	1,20	1,19		70	112	A.C.	
3			539,50	642,59	8,8	1,19	1,20		70	112	A.C.	
1	AC01830	24/09/15	536,41	657,44	11,0	1,23	1,19	AC05	144	198	A.C.	AC08
2			537,98	660,59	11,0	1,23	1,20		144	198	A.C.	
3			532,09	654,30	10,0	1,23	1,18		144	198	A.C.	

Esito Piega(*): A.C. = Assenza di cricche; C = Formazione di cricche

In Catalogo = Marchi di identificazione rilevati dal "Catalogo degli acciai qualificati per cemento armato" - *Attestato rilasciato dal Servizio Tecnico Centrale

Fuori Catalogo = Marchio non presente nel "Catalogo degli acciai qualificati per cemento armato" - Il presente Certificato non è valido ai sensi del DM 14/01/2008)

Richiesta di prova sottoscritta dal Direttore dei Lavori

Infine per quanto concerne i profili di incamiciatura in acciaio, è stato utilizzato un acciaio S355.

Sulla base di considerazioni analoghe a quelle svolte appena sopra, si sono assunti i seguenti fattori di confidenza:

- **FC = 1.2** per calcestruzzi
- **FC = 1.0** per le barre di armatura
- **FC = 1.0** per l'acciaio da carpenteria metallica

In definitiva le caratteristiche dei materiali assunte nel calcolo sono riportate a seguire.

Calcestruzzo (travi e pilastri)

- Resistenza Cilindrica Media $f_{cm} = 28{,}14\ \text{MPa}$
- Resistenza Cilindrica Meccanismi Duttili $f_{cm,duttili} = {}^{f_{cm}}/_{FC} = {}^{28{,}14}/_{1{,}2} = 23{,}45\ \text{MPa}$
- Resistenza Cilindrica Meccanismi Fragili $f_{cm,fragili} = {}^{f_{cm}}/_{\gamma_c \cdot FC} = {}^{28{,}14}/_{1{,}5 \cdot 1{,}2} = 15{,}63\ \text{MPa}$
- Modulo Elastico $E = 30.006 MPa$

Acciaio Armature (travi e pilastri)

- Resistenza Media $f_{sm} = 533\text{MPa}$
- Resistenza Meccanismi Duttili $f_{sm,duttili} = {}^{f_{sm}}/_{FC} = {}^{533}/_{1{,}0} = 533{,}0\ \text{MPa}$
- Resistenza Meccanismi Fragili $f_{sm,fragili} = {}^{f_{sm}}/_{\gamma_s \cdot FC} = {}^{533}/_{1{,}15 \cdot 1{,}0} = 463{,}5\ \text{MPa}$
- Modulo Elastico $E = 210.000 MPa$

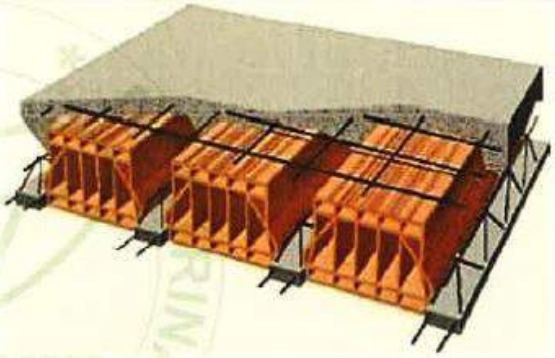
Acciaio Carpenterie (rinforzo pilastri)

- Resistenza Media $f_{sm} = 355\text{MPa}$
- Resistenza Meccanismi Duttili $f_{sm,duttili} = {}^{f_{sm}}/_{FC} = {}^{355}/_{1{,}0} = 355{,}0\ \text{MPa}$
- Resistenza Meccanismi Fragili $f_{sm,fragili} = {}^{f_{sm}}/_{\gamma_s \cdot FC} = {}^{355}/_{1{,}05 \cdot 1{,}0} = 338{,}1\ \text{MPa}$
- Modulo Elastico $E = 210.000 MPa$

SUI SOLAI PER L'IDONETITA' STATICA

Dalle indagini eseguite dalla Labortec Ingest S.r.l. i solai, conformemente alle previsioni di progetto, sono risultati in latero - cemento 20+4 cm. Si riporta a seguire stratigrafia ottenuta dalla indagine endoscopica.

Endoscopia 1 – I Impalcato – Solaio 16-25-17-26 – BLOCCO AULE

I Impalcato – **Solaio 16-25-26-17- calpestio piano primo** **Endoscopia 1**	Foro: verticale passante quota calpestio Piano Primo Rilievo **Stratigrafica solaio**
Foto 1: Piano d'imposta fondazione	SPESSORE TOTALE SOLAIO FINITO *[cm]* **÷30** Intercapedine tra fondazione e solaio *[cm]* **110** Laterizio forato h *[cm]* **20** Soletta *[cm]* **4** Massetto *[cm]* **4** pavimento *[cm]* **2**
Foto 2: Laterizio	 Presenza di intercapedine di 110 cm da fondazione a intradosso solaio
Foto 3: Soletta e massetto	

Circa lo stato di servizio dei solai, questi si presentano in buono stato e non mostrano evidenze di deformazioni permanenti significative.

SUL MANTENIMENTO DELLA FUNZIONALITA' DEGLI IMPIANTI

Di concerto con la committente si è deciso di non procedere alla valutazione dello SLO in quanto l'efficienza degli impianti non è una condizione necessaria al mantenimento del servizio reso all'interno della struttura (es. ospedali), per cui considerazioni in merito vengono tralasciate.

VALUTAZIONE CRITICA DELLE RISULTANZE DELLE INDAGINI

Come richiesto dal punto 3.5 della DGR Marche 1168 del 26 luglio 2010, per gli edifici in cemento armato l'attenzione va focalizzata sulla consistenza ed efficacia dei giunti tecnici, sulla presenza di pilastri "corti", sul comportamento di diaframma rigido degli orizzontamenti etc

Per quanto riguarda il giunto tecnico esistente fra il "BLOCCO AULE" ed il "BLOCCO PALESTRA", vengono proposte a seguire alcune considerazioni di massima. Come indicato al punto 7.2.1 delle NTC 2018 "*la distanza tra due punti di costruzioni che si fronteggiano non potrà in ogni caso essere inferiore a 1/100 della quota dei punti considerati, misurata dallo spiccato della fondazione o dalla sommità della struttura scatolare rigida di cui al § 7.2.1, moltiplicata per* $2 \cdot a_g S/g \leq 1$."

Nel caso in esame:

a_g = 0,207g (allo SLV)

S_S=1,195

S_T=1,2

dunque il coefficiente moltiplicativo vale $2 \cdot 0{,}207 \cdot 1{,}195 \cdot 1{,}2 = 0{,}594$. Essendo l'altezza della copertura dei due corpi che si fronteggiano rispetto all'estradosso del plinto di circa 4,85m, l'ampiezza minima del giunto risulta pari a $d = 0{,}594 \cdot \frac{485}{100} = 2{,}9cm < 3cm$

Da questa valutazione di massima dunque i due blocchi possono ritenersi teoricamente separati e tali da evitare fenomeni di martellamento. Sull'argomento si consigliano comunque approfondimenti di dettaglio in fase di progettazione esecutiva degli interventi di miglioramento/adeguamento.

Per quanto concerne il comportamento a lastra dei solai (infinita rigidezza nel piano) non si hanno dubbi al riguardo data l'esistenza di solette di completamento in c.a. armate e di spessore ≥ 4cm.

Circa la presenza di cd. pilastri "corti", dunque potenzialmente con comportamento fragile a taglio, si deve segnalare che il piano terra dell'edificio non poggia direttamente sul terreno ma è costituito da un solaio aereo, dunque fra il solaio stesso e l'incastro al piede ai plinti di fondazione, i pilastri presentano dei monconi di lunghezza circa 110cm, sensibili a meccanismi fragili.

Da segnalare infine l'assenza di cordoli di collegamento, ortogonali ai telai principali, a livello di impalcati di piano, circostanza comunque tipica della tecnica costruttiva in voga nel periodo di realizzazione del fabbricato.

VALUTAZIONE DELLA SICUREZZA

La valutazione della sicurezza dell'edificio in questione è stata commissionata dal comune di Ascoli Piceno al fine di procedere successivamente al progetto degli interventi di miglioramento sismico. Lo stato limite di nei confronti del quale viene eseguita la valutazione della sicurezza è quello di Salvaguardia della Vita (SLV).

VITA NOMINALE, CLASSI D'USO E PERIODO DI RIFERIMENTO

L'edificio in esame ha destinazione scolastica. I parametri alla base del calcolo sono riassunti a seguire:

- la "**vita nominale di progetto"** (punto 2.4.1. delle NTC 2018) è stata assunta pari a **50 anni**. Essa è convenzionalmente definita come "*il numero di anni nel quale è previsto che l'opera, purché soggetta alla necessaria manutenzione, mantenga specifici livelli prestazionali*";
- la "**classe d'uso"** (punto 2.4.2. delle NTC 2018) utilizzata è la **III** quindi il Coefficiente d'Uso **(Cu) = 1,50**. Si ricorda che la classe d'uso è un indice riferito alle conseguenze di una interruzione di operatività o di eventuale collasso delle costruzioni. In particolare la **Classe III** comprende costruzioni il cui uso preveda affollamenti significativi;
- il **"periodo di riferimento (V_R)"** è calcolato come il prodotto della vita nominale (V_N) per il Coefficiente d'Uso (Cu), quindi nel caso in esame V_R = 50 x 1,50 = 75 anni

AZIONI SULLA COSTRUZIONE

L'elenco delle azioni sulla costruzione considerate nella verifica di vulnerabilità in esame è riportato a seguire:

- PESI PROPRI
- SOVRACCARICHI PERMANENTI
- VARIABILE AMBIENTI AFFOLLATI (C)
- VARIABILI NEVE
- VARIABILI COPERTURE (H)
- AZIONE SISMICA

Per quanto riguarda l'azione sismica, date le dimensioni del manufatto oggetto di verifica, non si tiene in conto degli effetti della variabilità spaziale del moto.

COMBINAZIONE DELLE AZIONI

Le combinazioni statiche di riferimento sono riportate a seguire.

COMBINAZIONI STATICHE

DESCRIZIONI	1	2
Peso Strutturale	1,30	1,30
Perm.Non Strutturale	1,50	1,50
Var.Amb.affol.	1,50	1,05
Var.Neve h<=1000	0,75	1,50
Var.Coperture	1,50	0,00

Tabella 1 - Combinazioni con coefficiente γ_g = 1,3 e γ_q = 1,5

Tale combinazione è quella fondamentale allo SLU.

DESCRIZIONI	1	2
Peso Strutturale	1,00	1,00
Perm.Non Strutturale	1,00	1,00
Var.Amb.affol.	1,50	1,05
Var.Neve h<=1000	0,75	1,50
Var.Coperture	1,50	0,00

Tabella 2 - Combinazioni con coefficiente γ_g = 1,0 e γ_q = 1,5

Questa è la combinazione statica generale relativa alle costruzioni esistenti, il cui soddisfacimento o meno non comporta il blocco della valutazione di vulnerabilità.

DESCRIZIONI	1	2
Peso Strutturale	1,00	1,00
Perm.Non Strutturale	1,00	1,00
Var.Amb.affol.	1,00	0.70
Var.Neve h<=1000	0,50	1,00
Var.Coperture	1,00	0,00

Tabella 3 - Combinazioni con coefficiente γ_g = 1,0 e γ_q = 1,0

Tale combinazione viene utilizzata alfine di valutare più criticamente la gravità dell'eventuale mancato adeguamento statico.

COMBINAZIONI SISMICHE

Poiché per l'analisi sismica del "BLOCCO AULE" si impiegherà l'analisi push over, appena sotto sono sintetizzate tutte le combinazioni. E' chiaro che ciascuna delle combinazioni "segue" in termini di analisi una analisi statica che prevede i carichi gravitazionali combinati come nel caso simico.

- PUSH 1 - Distribuzione Forze Proporzionali a Modo: +Fx+0.3*Fy+Ecc5%
- PUSH 2 - Distribuzione Forze Proporzionali a Modo: -Fx+0.3*Fy+Ecc5%
- PUSH 3 - Distribuzione Forze Proporzionali a Modo: +Fy+0.3*Fx+Ecc5%
- PUSH 4 - Distribuzione Forze Proporzionali a Modo: -Fy+0.3*Fx+Ecc5%
- PUSH 5 - Distribuzione Forze Proporzionali a Massa: +Fx+0.3*Fy+Ecc5%
- PUSH 6 - Distribuzione Forze Proporzionali a Massa: -Fx+0.3*Fy+Ecc5%
- PUSH 7 - Distribuzione Forze Proporzionali a Massa: +Fy+0.3*Fx+Ecc5%
- PUSH 8 - Distribuzione Forze Proporzionali a Massa: -Fy+0.3*Fx+Ecc5%
- PUSH 9 - Distribuzione Forze Proporzionali a Modo: +Fx-0.3*Fy+Ecc5%
- PUSH 10 - Distribuzione Forze Proporzionali a Modo: -Fx-0.3*Fy+Ecc5%
- PUSH 11 - Distribuzione Forze Proporzionali a Modo: +Fy-0.3*Fx+Ecc5%
- PUSH 12 - Distribuzione Forze Proporzionali a Modo: -Fy-0.3*Fx+Ecc5%
- PUSH 13 - Distribuzione Forze Proporzionali a Massa: +Fx-0.3*Fy+Ecc5%
- PUSH 14 - Distribuzione Forze Proporzionali a Massa: -Fx-0.3*Fy+Ecc5%
- PUSH 15 - Distribuzione Forze Proporzionali a Massa: +Fy-0.3*Fx+Ecc5%
- PUSH 16 - Distribuzione Forze Proporzionali a Massa: -Fy-0.3*Fx+Ecc5%
- PUSH 17 - Distribuzione Forze Proporzionali a Modo: +Fx+0.3*Fy-Ecc5%
- PUSH 18 - Distribuzione Forze Proporzionali a Modo: -Fx+0.3*Fy-Ecc5%
- PUSH 19 - Distribuzione Forze Proporzionali a Modo: +Fy+0.3*Fx-Ecc5%
- PUSH 20 - Distribuzione Forze Proporzionali a Modo: -Fy+0.3*Fx-Ecc5%
- PUSH 21 - Distribuzione Forze Proporzionali a Massa: +Fx+0.3*Fy-Ecc5%
- PUSH 22 - Distribuzione Forze Proporzionali a Massa: -Fx+0.3*Fy-Ecc5%
- PUSH 23 - Distribuzione Forze Proporzionali a Massa: +Fy+0.3*Fx-Ecc5%
- PUSH 24 - Distribuzione Forze Proporzionali a Massa: -Fy+0.3*Fx-Ecc5%
- PUSH 25 - Distribuzione Forze Proporzionali a Modo: +Fx-0.3*Fy-Ecc5%
- PUSH 26 - Distribuzione Forze Proporzionali a Modo: -Fx-0.3*Fy-Ecc5%
- PUSH 27 - Distribuzione Forze Proporzionali a Modo: +Fy-0.3*Fx-Ecc5%
- PUSH 28 - Distribuzione Forze Proporzionali a Modo: -Fy-0.3*Fx-Ecc5%
- PUSH 29 - Distribuzione Forze Proporzionali a Massa: +Fx-0.3*Fy-Ecc5%
- PUSH 30 - Distribuzione Forze Proporzionali a Massa: -Fx-0.3*Fy-Ecc5%
- PUSH 31 - Distribuzione Forze Proporzionali a Massa: +Fy-0.3*Fx-Ecc5%
- PUSH 32 - Distribuzione Forze Proporzionali a Massa: -Fy-0.3*Fx-Ecc5%

ANALISI DEI CARICHI

A seguire l'analisi dei carichi per ciascun orizzontamento tipo.

SOLAIO 20+4cm Piano Tipo

- PESO PROPRIO: 3,05kN/mq
- PERMANENTI: 2,50kN/mq
- VARIABILI (C): 3,00kN/mq

SOLAIO 20+4cm Copertura Fotovoltaico

- PESO PROPRIO: 3,05kN/mq
- PERMANENTI: 1,70kN/mq
- VARIABILI (H): 0,50kN/mq
- NEVE: 0,80kN/mq

SOLAIO 20+4cm Copertura Tipo

- PESO PROPRIO: 3,05kN/mq
- PERMANENTI: 1,00kN/mq
- VARIABILI (H): 0,50kN/mq
- NEVE: 0,80kN/mq

TAMPONATURE CON FINESTRATURE

- PERMANENTI: 1,40kN/mq (in altezza)

DETERMINAZIONE DELL'AZIONE SISMICA

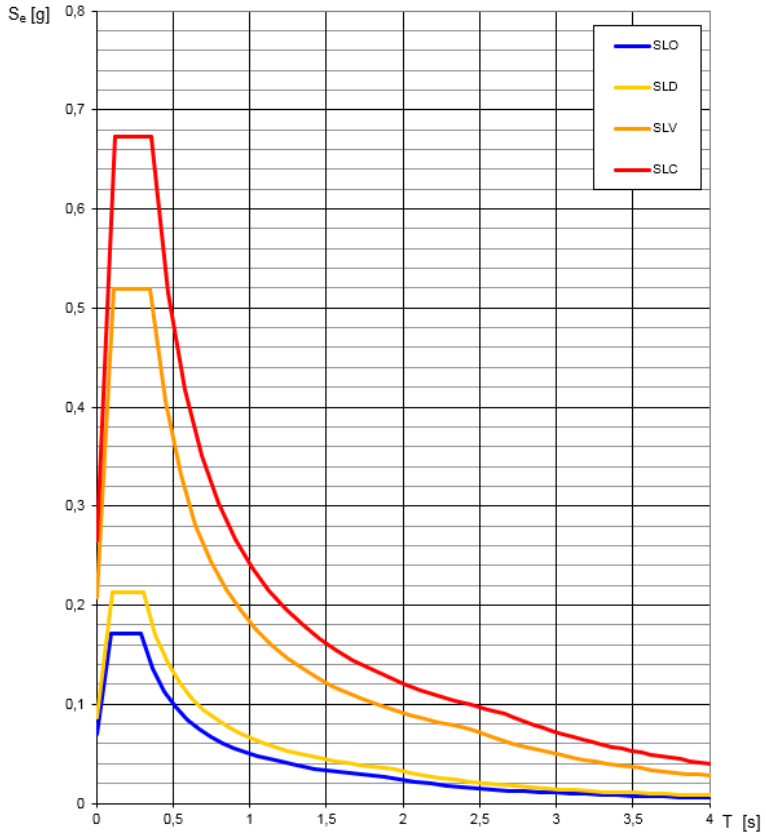
Per il calcolo degli spetti elastici di risposta da utilizzare nelle analisi sismiche i dati di ingresso sono i seguenti:

Vita Nominale	**50**
Classe d'Uso	**3**
Categoria del Suolo	**B**
Categoria Topografica	**1.2**
Latitudine del sito oggetto di edificazione	**42.856651**
Longitudine del sito oggetto di edificazione	**13.562986**

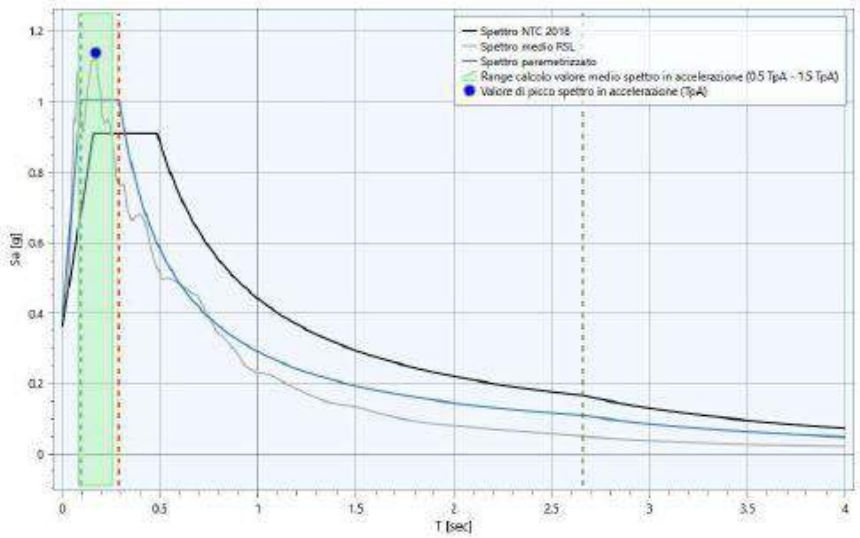
Valori dei parametri a_g, F_o, T_C^* per i periodi di ritorno T_R associati a ciascuno

SLATO LIMITE	T_R [anni]	a_g [g]	F_o [-]	T_C^* [s]
SLO	45	0,070	2,462	0,291
SLD	75	0,087	2,456	0,310
SLV	712	0,208	2,497	0,351
SLC	1462	0,265	2,534	0,360

Spettri di risposta elastici per i diversi Stati Limite



Gli spettri sono stati calcolati secondo i dettami delle NTC 2018 trascurando le analisi di risposta sismica locale elaborate dal dott. Anasparri. Questo poichè come meglio si vedrà a seguire i periodi fondamentali della struttura sono superiori a 0,32 sec, quindi come asserito dallo stesso dott. Anasparri risulta più cautelativo l'utilizzo dello spettro di normativa.



Per periodi superiori a 0,32 sec risulta più cautelativo l'utilizzo dello spettro di normativa.

DETERMINAZIONE DELL'AZIONE DEL VENTO

L'azione del vento non è prevista in combinazione con quella sismica e neppure viene ritenuta necessaria ai fini delle verifiche statiche di riferimento. Per tali ragioni non viene calcolata.

DETERMINAZIONE DELL'AZIONE DELLA NEVE

L'azione della neve è valutata con riferimento al punto 3.4 del D.M. 17.01.2018.

Il carico neve sulle coperture è calcolato mediante la seguente espressione:

$$q_s = \mu_i \cdot q_{sk} \cdot C_E \cdot C_t$$

dove:

μ_i è il coefficiente di forma della copertura;

q_{sk} è il valore caratteristico di riferimento del carico della neve al suolo;

C_E è il coefficiente di esposizione;

C_t è il coefficiente termico.

Nel caso specifico, essendo Ascoli Piceno (AP) in "Zona II" ed essendo l'altitudine inferiore a 200m s.l.m., il valore caratteristico del carico della neve al suolo risulta pari a:

$$q_{sk} = 1{,}00 kN/m^2$$

Per quanto riguarda il coefficiente di esposizione C_E (punto 3.4.4), si assume il valore $C_E = 1{,}0$.

Per quanto riguarda il coefficiente termico C_t (punto 3.4.5), anch'esso si assume di valore $C_t = 1$.

Per quanto riguarda il coefficiente di forma μ_1 (punto 3.4.3), si assume il valore il valore $\mu_1 = 0{,}8$.

Il carico della neve è pertanto in definitiva pari a $q_s = 0{,}80\ kN/m^2$

DETERMINAZIONE DELL'AZIONE DELLA TEMPERATURA

L'azione della temperatura non è prevista in combinazione con quella sismica e neppure viene ritenuta necessaria ai fini delle verifiche statiche di riferimento. Per tali ragioni non viene calcolata.

CRITERI GENERALI DI VALUTAZIONE DELLA VULNERABILITÀ PER ANALISI SISMICHE

ANALISI DI REGOLARITÀ

L'analisi di regolarità non è applicabile nel caso di analisi statica non lineare, per quanto strutture fortemente irregolari con incidenza dei modi alti nella risposta sismica, mal si prestano ad essere valutate con la push over.

CLASSIFICAZIONE DEGLI ELEMENTI STRUTTURALI

Poiché l'analisi di vulnerabilità è condotta con l'utilizzo del metodo push over, il software di calcolo esegue in automatico le verifiche secondo le seguenti modalità:

- per gli elementi "duttili" confrontando la domanda in termini di deformazioni con la relativa capacità;
- per gli elementi "fragili" confrontando la domanda in termini di sollecitazioni con la relativa capacità.

VALUTAZIONE DELLA VULNERABILITÀ STATICA FINALIZZATA ALL'ANALISI SISMICA

Prima di procedere con l'analisi sismica vengono effettuate una serie di valutazioni sulla condizione statica del blocco in esame, sotto diverse combinazioni.

Con riferimento alla **combinazione statica fondamentale (SLU)** non risultano soddisfatte alcune verifiche a taglio e a pressoflessione per un numero limitato di membrature.

A seguire si riportano figure esemplificative.

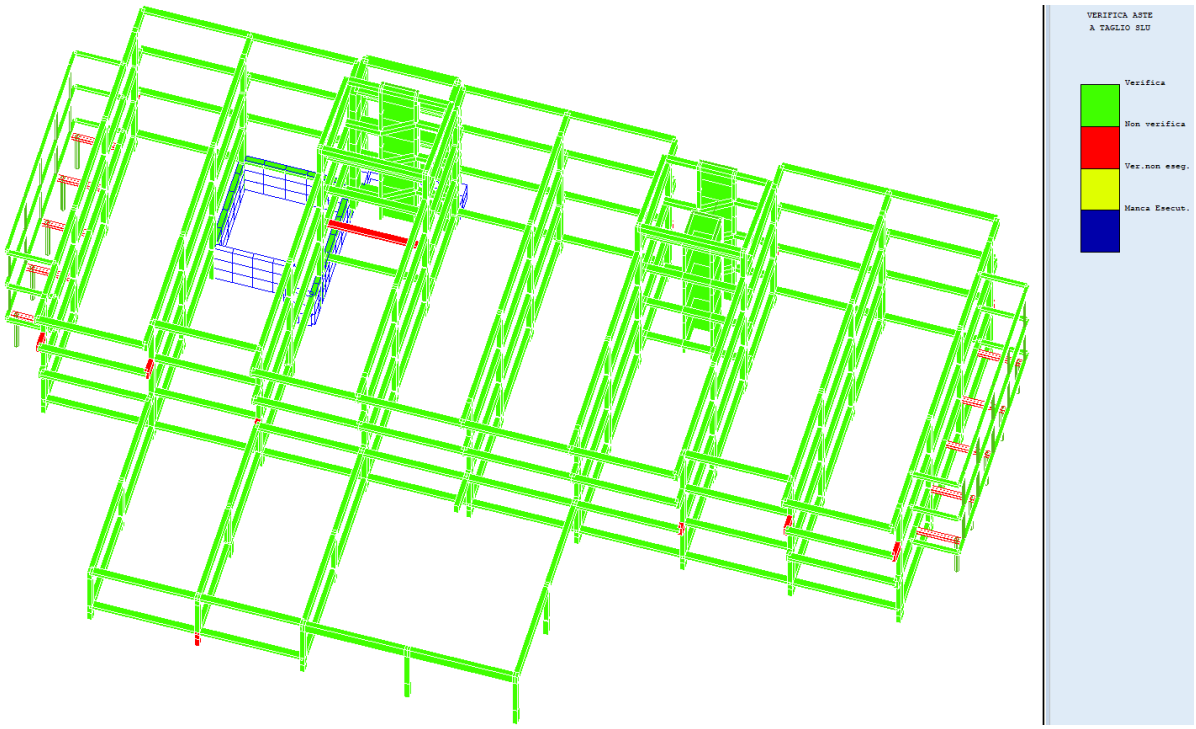


Figura - Verifica a Taglio

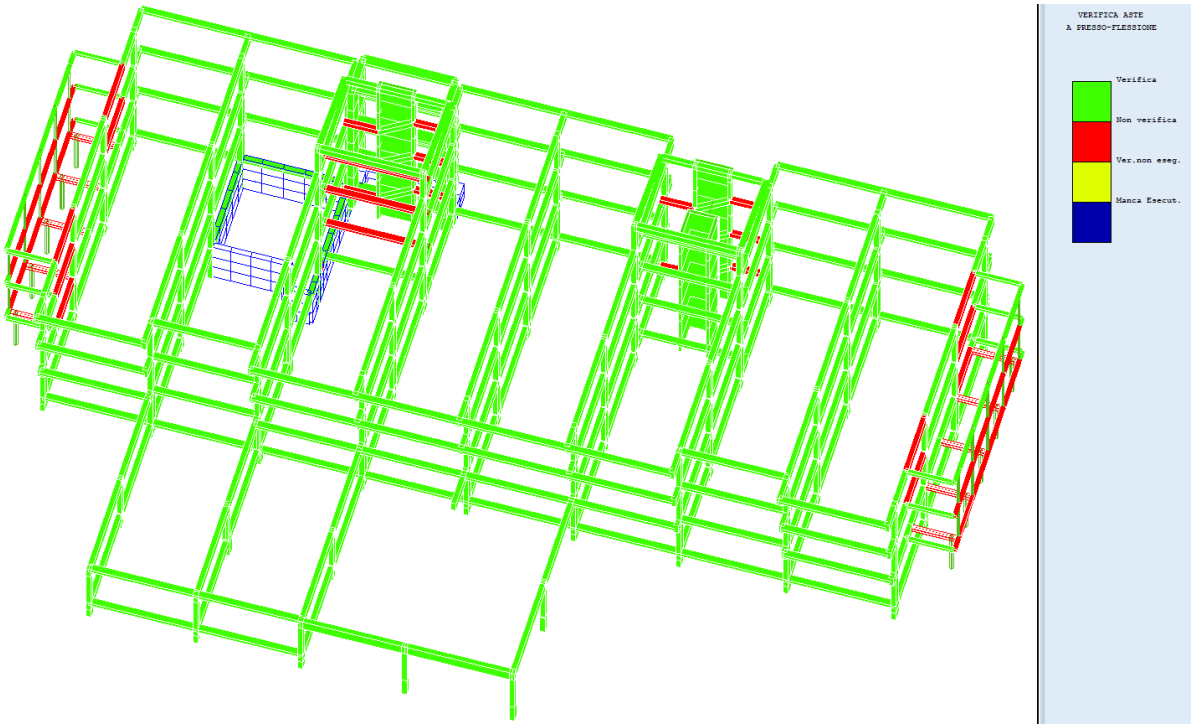


Figura - Verifica a Presso-Flessione

A questo punto, come indicato al punto 8.5.5 delle NTC2018 e al punto §6.1 della DGR Marche n.1168 del 26/07/2010 può essere valutata una **combinazione statica fondamentale** (il cui soddisfacimento o meno non comporta il blocco della valutazione della vulnerabilità) in cui **γ_g = 1.0 e γ_q = 1,5**. In queste condizioni il quadro degli elementi non verificati è sintetizzato nelle figure a seguire.

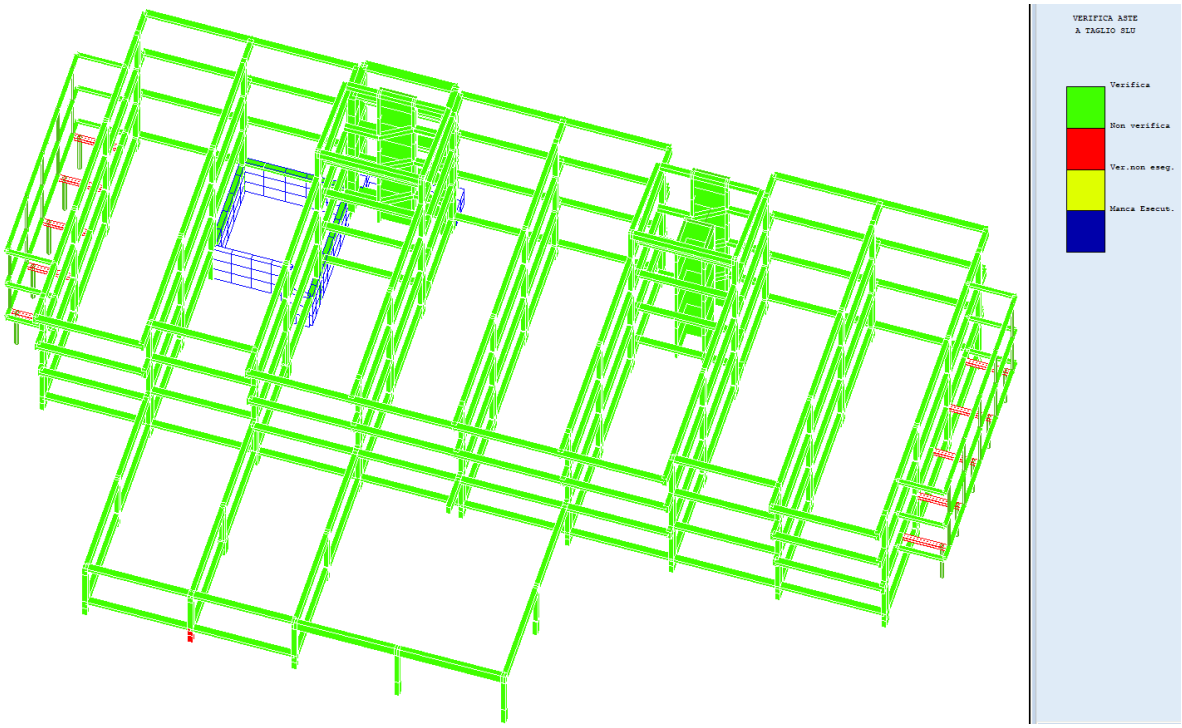


Figura - Verifica a Taglio con coefficiente γ_g = 1,0 e γ_q = 1,5

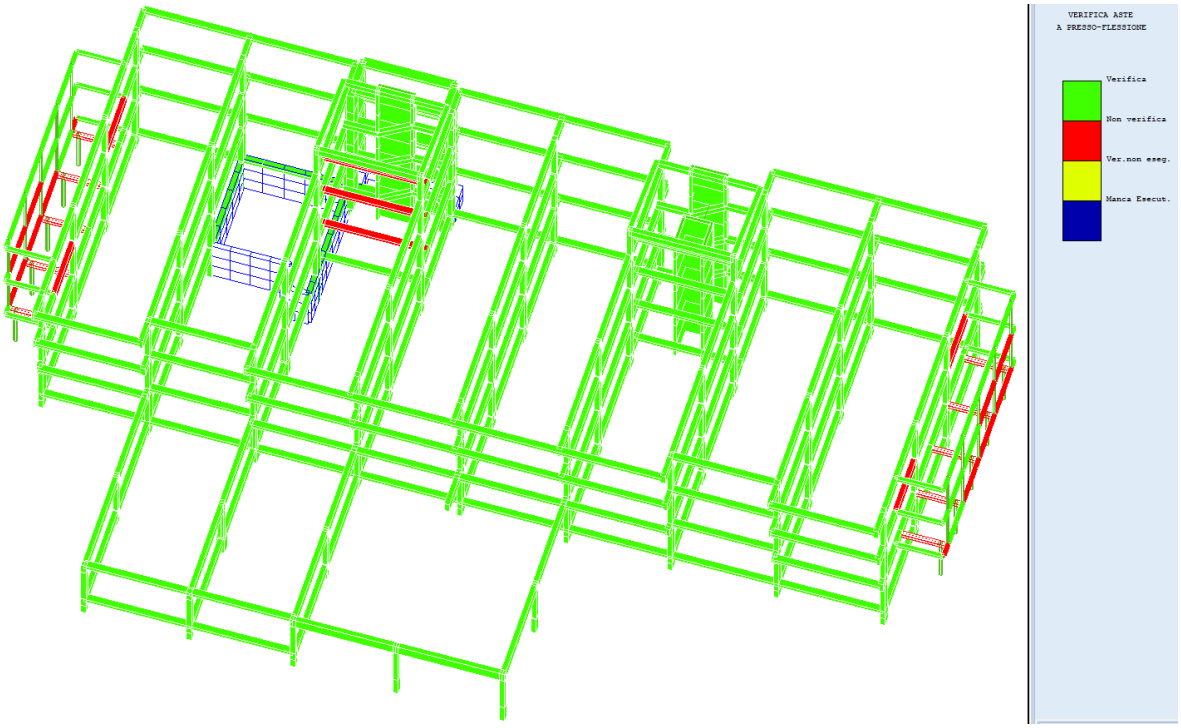


Figura - Verifica a Presso-Flessione con coefficiente γ_g = 1,0 e γ_q = 1,5

Sussistono ancora elementi non verificati seppure in numero ridotto rispetto alla combinazione statica fondamentale.

Si prende ora in esame la combinazione statica in cui siano **γ_g = γ_q = 1.00**. Con essa ci si propone di valutare più criticamente la gravità del mancato adeguamento statico. Ancora una volta la fotografia degli elementi non verificati è riportata a seguire.

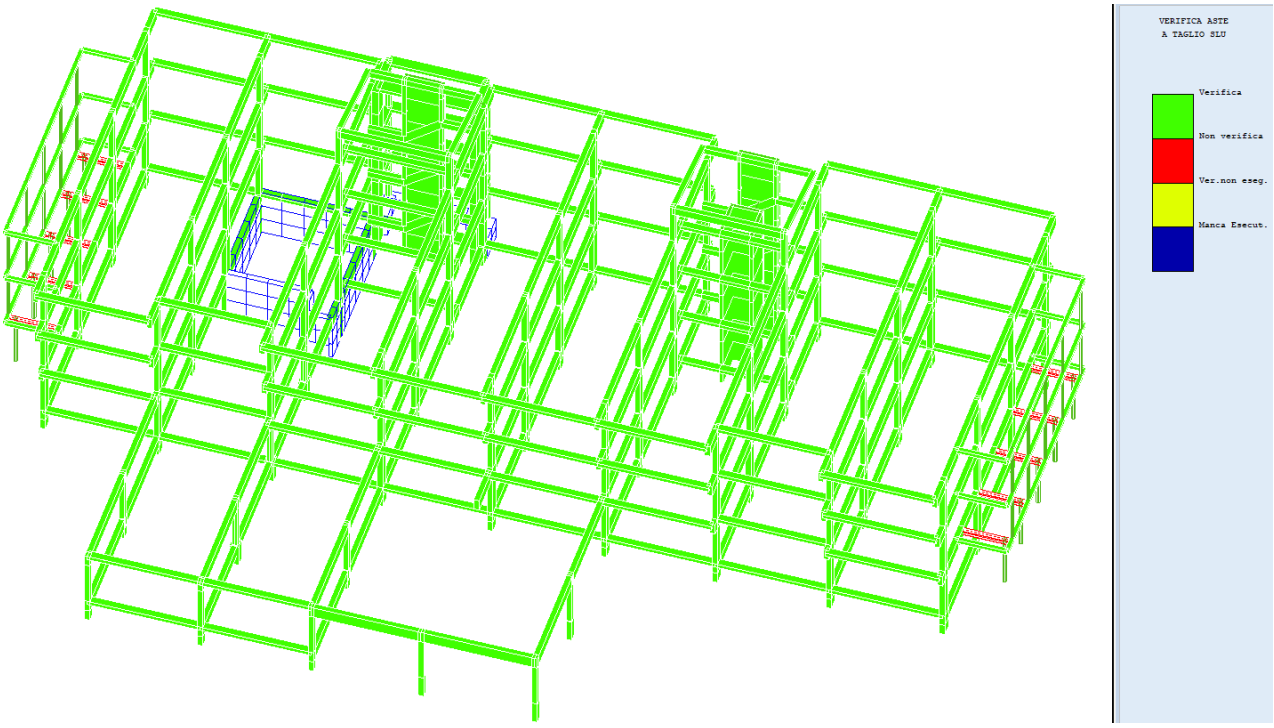


Figura - Verifica a Taglio con coefficiente γ_g = 1,0 e γ_q = 1,0

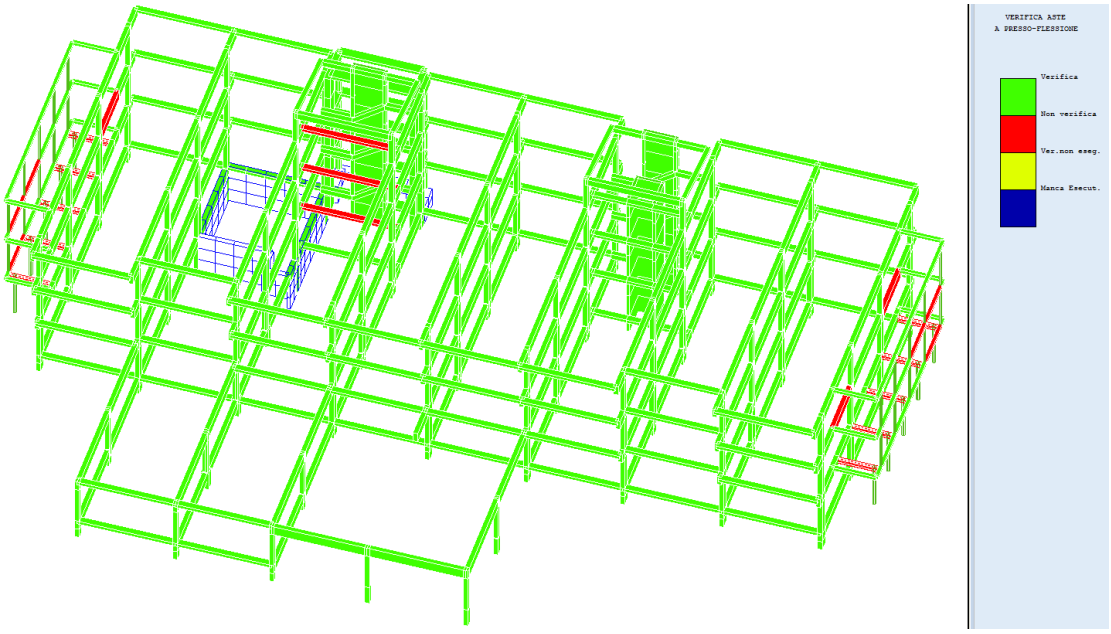


Figura - Verifica a Presso-Flessione con coefficiente γ_g = 1,0 e γ_q = 1,0

Ancora una volta ci sono elementi non verificati seppur in numero ancora minore.

Tutte le combinazioni sopra valutate, pur presentando elementi con teoriche carenze resistenti, non costituiscono condizione ostativa per l'esecuzione della verifica di vulnerabilità. La situazione statica di partenza che in tal senso è discriminante è invece quella di carico preliminare all'ingresso delle forze sismiche laterali, quindi la combinazione dei carichi gravitazionali in condizioni sismiche.

La fotografia dello stato di verifica a taglio e presso-flessione è riportato a seguire.

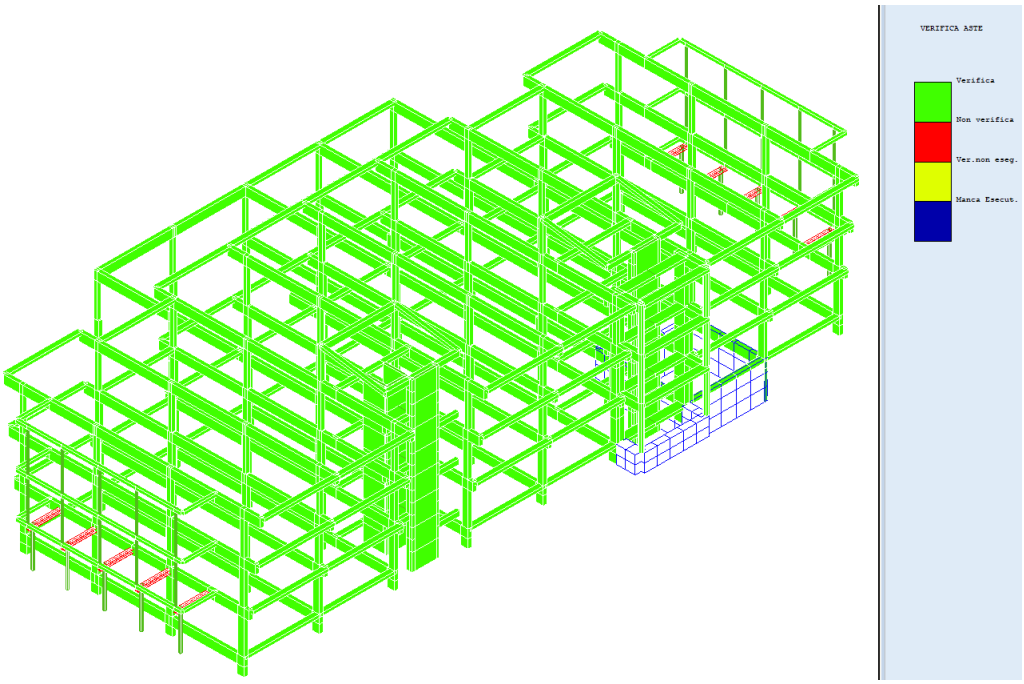


Figura - Verifica a Taglio e Presso-Flessione con coefficienti por combinazione sismica

In questo caso tutte le membrature soddisfano le verifiche ai carichi statici. Non tragga in inganno in tal senso il colore rosso di alcuni elementi strutturali che sono così rappresentati solo perché costituiscono travi in acciaio che vengono diversamente individuate dal software a livello cromatico per distinguerle dalle aste in c.a. Questa osservazione vale anche per le altre combinazioni di carico analizzate in questo paragrafo.

Volendo a valle delle verifiche in condizioni statiche sopra esaminate, proporre alcune sintetiche considerazioni, si ritiene che il fabbricato non presenti evidenti criticità sotto carichi verticali, anche per gli elementi teoricamente non verificati. Quest'ultimi sono infatti in numero limitato e le loro teoriche carenze di resistenza fanno essenzialmente riferimento a meccanismi duttili (flessione) in elementi tipo trave. Gli unici quadri fessurativi visibili, riscontrabili in corrispondenza degli ex bow windows, sono peraltro quelli generatisi a seguito degli eventi sismici del 2016, come testimoniato dal personale scolastico.

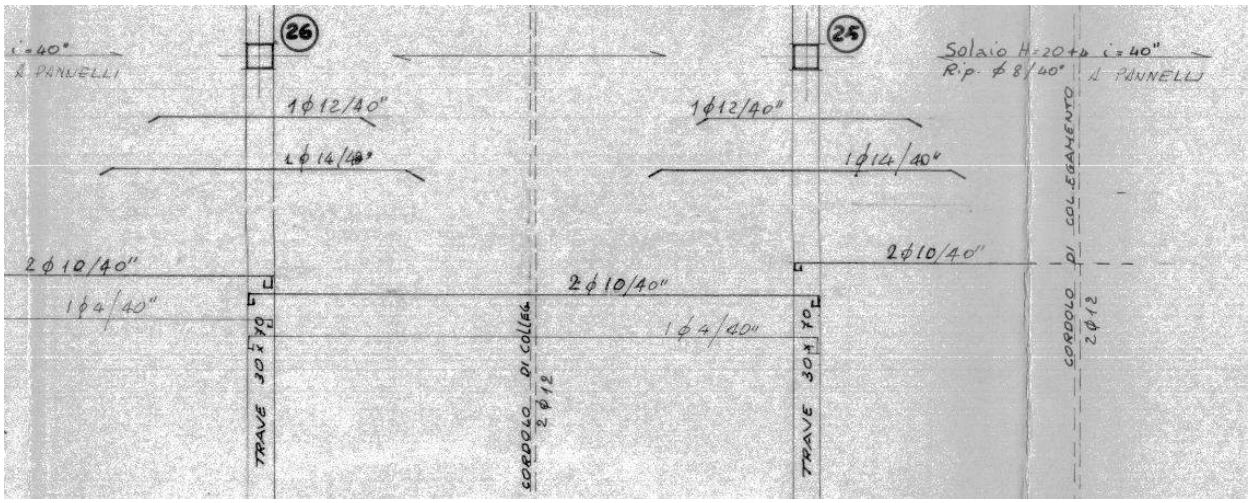
In allegato alla presente relazione di vulnerabilità sono riportati i tabulati di output tratti dal software FEM di calcolo, relativi alle varie combinazioni di carico statiche sopra sinteticamente analizzate.

VALUTAZIONE DELLA IDONEITA' STATICA DEI SOLAI

I solai di piano non manifestano segni di dissesto o evidenti stati deformativi.

Sulla base dei dati dedotti dalla campagna indagini e delle informazioni contenute nei disegni esecutivi originari si propone a seguire la verifica di una campata tipo nelle seguenti ipotesi:

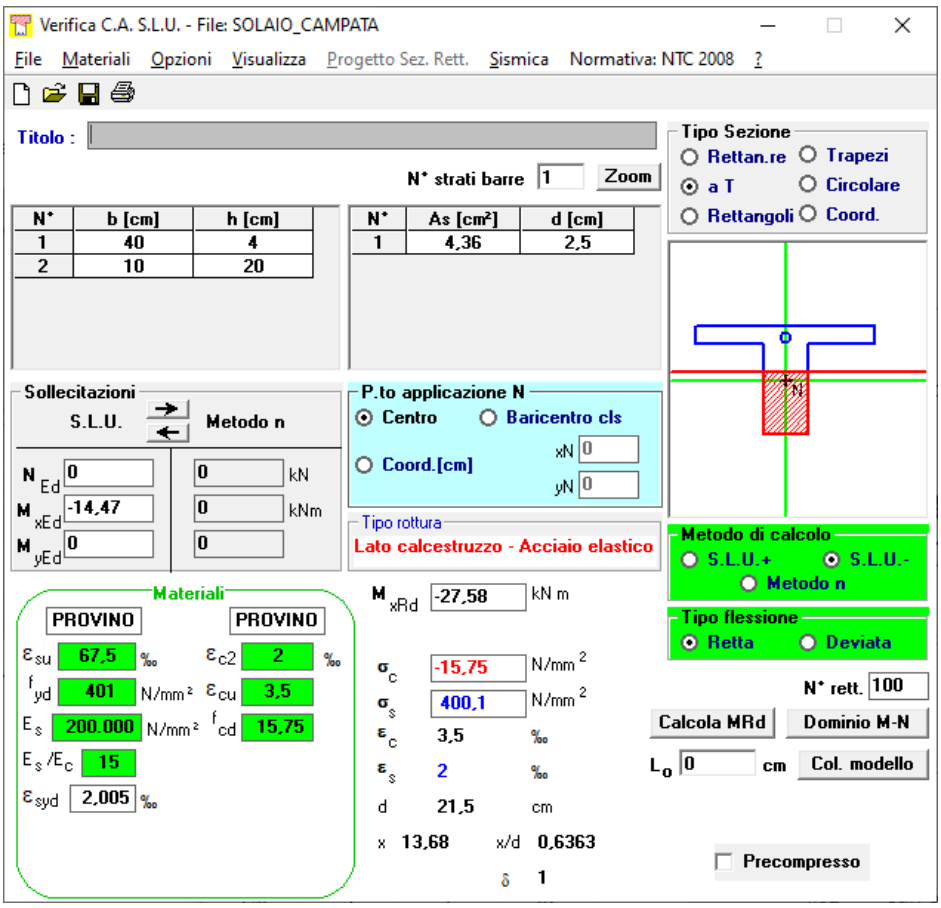
- luce di calcolo 6.00mt
- combinazione delle azioni con coefficienti **γ_g = 1.0 e γ_q = 1,5**
- momenti di calcolo in appoggio "*$ql^2/10$*"
- i solai sono in laterocemento 20+4 a pannelli (tipo bisap) con armatura superiore tipo indicata a seguire.



Il carico di progetto è $q = \gamma_G \cdot (G_1 + G_2) + \gamma_Q \cdot Q_1 = 1 \cdot (3{,}05 + 2{,}5) + 1{,}5 \cdot 3{,}0 = 10{,}05\ kN/m^2$

Sulla singola nervatura (i=40cm) il carico risulta essere $q_i = 0{,}40 \cdot 10{,}05 = 4{,}02\ kN/m$

Il momento massimo in appoggio è $M_{Sd} = \frac{q_i \cdot L^2}{10} = \frac{4{,}02 \cdot 6{,}0^2}{10} = 14{,}47 kNm$



Il momento resistente è $M_{Rd} = 27{,}58 kNm > M_{Sd}$. La verifica risulta soddisfatta.

Per quanto riguarda il taglio si ha $V_{Sd} = \frac{q_i \cdot L}{2} = \frac{4{,}02 \cdot 6{,}00}{2} = 12{,}06 kN$

A seguire si riporta la relativa verifica di resistenza per elementi senza armature trasversali (§4.1.2.3.5.1 NTC2018)

Caratteristiche Geometriche			
b	80	mm	Larghezza minima
h	240	mm	Altezza
c	30	mm	Copriferro (fino a baricentro barra)
d	210	mm	Altezza utile
A_{sl}	380	mm^2	Armatura longitudinale tesa

Caratteristiche Materiali			
Tipo	LC2		
FC	1,2		Fattore di confidenza
<u>Calcestruzzo</u>			
fcm	18,9	MPa	Resistenza media

α_{cc}	1,00		
γ_c	1,5		Coefficiente di sicurezza
f_{cd}	10,50	MPa	Resistenza di calcolo

Resistenza a Taglio			
N	0	N	Forza di compressione nella sezione
A_C	19.200	mm^2	Area del calcestruzzo
ρ_1	1,979%		Rapporto geometrico di armatura
σ_{cp}	0	MPa	Sforzo medio di compressione
k	1,976		
v_{min}	0,423		
V_{Rd}	13.322	N	Resistenza a taglio della sezione

Il taglio resistente è $V_{Rd} = 13{,}32kNm > V_{Sd}$. La verifica risulta soddisfatta.

Per le verifiche in campata si ipotizza che i travetti esistenti, per i quali non sono presenti indicazioni di dettaglio negli elaborati esecutivi del tempo, le armature risultino adeguatamente dimensionate.

Si ricorda peraltro che in occasione della campagna indagini svolta nel 2013 venne eseguita una prova di carico su una porzione di impalcato della copertura, che aveva dato esito favorevole.

IDENTIFICAZIONE DEGLI INTERVENTI "URGENTI"

Dalle risultanze delle indagini in situ e dai risultati delle analisi sopra riportate, in relazione agli interventi urgenti da mettere in atto prima dell'esecuzione dell'analisi di vulnerabilità sismica si può osservare quanto segue:

- la combinazione statica con carichi gravitazionali in condizioni sismiche non ha evidenziato criticità in termini di resistenza;
- in fase di indagini non sono emersi problemi strutturali legati al sistema di fondazione;
- sulla consistenza ed efficacia del giunto tecnico presente tra "BLOCCO AULE" e "BLOCCO PALESTRA" si è avuto modo di argomentare in precedenza dimostrando come sia soddisfatta la distanza minima di cui al punto 7.2.1 delle NTC 2018 seppure si consiglino valutazioni di dettaglio in fase di progettazione esecutiva;
- le tamponature, come si dirà appena più avanti, non influenzano la risposta allo SLV
- i solai non presentano stati deformativi e di degrado e risultano peraltro verificati sotto la combinazione delle azioni con coefficienti **γ_g = 1.0 e γ_q = 1,5**
- sugli elementi non strutturali, ma vulnerabili, identificabili nelle tramezzature e tamponature, si fa riferimento alle verifiche di stabilità proposte più avanti nel capitolo "VERIFICHE DI VULNERABILITA'", sulla base delle quali risulta che si dovrà intervenire con la predisposizione di presidi che potranno essere concretamente definiti in fase di

progettazione esecutiva sulla base delle varie tipologie possibili (es. "LINEE GUIDA PER RIPARAZIONE E RAFFORZAMENTO DI ELEMENTI STRUTTURALI, TAMPONATURE E PARTIZIONI" della **RELUIS**)

ASPETTI ULTERIORI PER LA VALUTAZIONE DELLA VULNERABILITÀ SISMICA DEL FABBRICATO

PRESENZA DI ELEMENTI STRUTTURALI "SECONDARI"

Gli unici elementi secondari considerati nel modello di calcolo sono i pilastri in carpenteria metallica che vennero realizzati a sostegno dei bow windows presenti sulle testate del" BLOCCO AULE" - pratica di riferimento Ex Genio Civile n. 16332 Prot. 4843 del 19/07/1999 - di cui si riporta immagine esemplificativa a seguire.

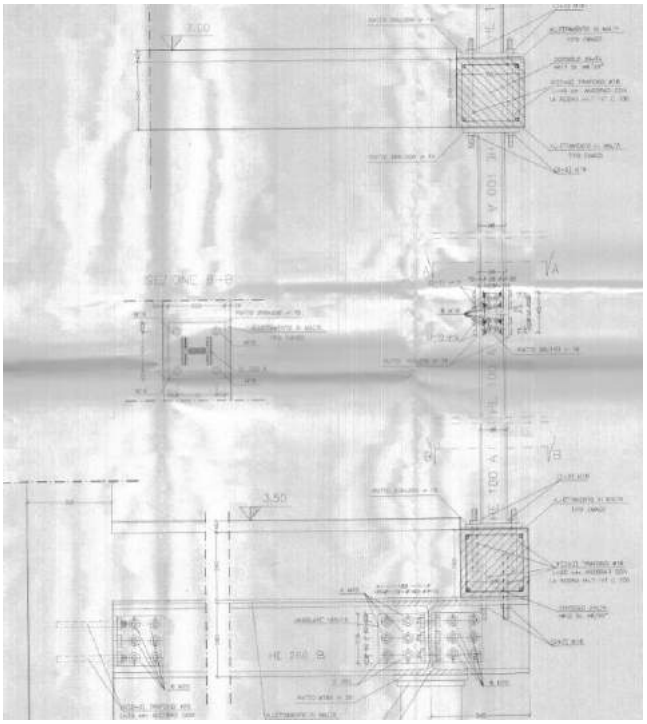


Figura - Stralcio Sezione carpenteria su sbalzo bagni

Per tali elementi il software FEM in automatico verifica la capacità di tali elementi di assorbire le deformazioni della struttura soggetta all'azione sismica di progetto, mantenendo al capacità portante nei confronti dei carichi verticali.

PRESENZA DI ELEMENTI COSTRUTTIVI SENZA FUNZIONE STRUTTURALE SISMICAMENTE RILEVANTI

Ai sensi del punto 7.2.3. delle NTC 2018 "*Per elementi costruttivi non strutturali s'intendono quelli con rigidezza, resistenza e massa tali da influenzare in maniera significativa la risposta strutturale e quelli che, pur non influenzando la risposta strutturale, sono ugualmente significativi ai fini della sicurezza e/o dell'incolumità delle persone*".

Nel caso specifico gli elementi non strutturali vengono identificati con tramezzature e tamponature che non influenzano la risposta. Detto che la loro distribuzione per il blocco in esame può ritenersi non irregolare in pianta ed altezza e dunque gli effetti di tale irregolarità non debbono essere valutati e tenuti in conto, si proporranno più avanti delle verifiche antiribalta, confrontando la capacità con la domanda - formula [7.2.1] del punto 7.2.3. delle NTC 2018 -

Le verifiche sono da condursi i termini di stabilità allo SLV come prescritto dl punto 7.3.6 delle norme.

Tab. 7.3.III – *Stati limite di elementi strutturali primari, elementi non strutturali e impianti*

STATI LIMITE		CU I	CU II			CU III e IV		
		ST	ST	NS	IM	ST	NS	IM(*)
SLE	SLO					RIG		FUN
	SLD	RIG	RIG			RES		
SLU	SLV	RES	RES	STA	STA	RES	STA	STA
	SLC		DUT(**)			DUT(**)		

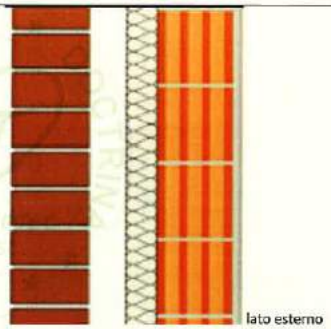
Si deve infine osservare che a livello prospettico il blocco in esame è caratterizzato dalla presenza di ampie finestrature a nastro che limitano l'altezza delle tamponature, le quali si sviluppano per l'intero interpiano solo in corrispondenza di limitate specchiature dei telai.

PRESENZA DI TAMPONATURE SISMICAMENTE RILEVANTI

Come anticipato al paragrafo precedente, a prescindere dalle verifiche antiribalta, le tamponature presenti non si ritiene influenzino la risposta sismica dell'edificio. Esse infatti:

- come dedotto dalla campagna indagini eseguita sono del tipo a cassa vuota con doppia fodera di forati di spessore limitato;
- a livello di prospetti risultano presenti come zoccolatura di ampie finestrature a nastro, sviluppandosi a tutt'altezza solo in corrispondenza di limitate specchiature dei telai strutturali.

Endoscopia 4 – Tamponatura perimetrale BLOCCO PALESTRA

Tamponatura perimetrale blocco palestra Endoscopia 4	Foro: Orizzontale passante Rilievo **Stratigrafica tamponatura dall'esterno verso interno**
 Foto 1: Laterizio forato lato esterno Foto 2: Isolante Foto 3: Intercapedine	SPESSORE TOTALE PARETE [cm] 34 Intonaco esterno [cm] 4 Laterizio forato [cm] 12 Isolante [cm] 3 Intercapedine [cm] 7 Laterizio forato [cm] 6 Intonaco interno [cm] 2 

Operando quindi nel campo dello SLV si può assumere che questa tipologia di tamponature vada in crisi prima degli elementi strutturali, danneggiandosi precedentemente il raggiungimento degli SLU di travi e pilastri.

MODELLAZIONE DELLA STRUTTURA

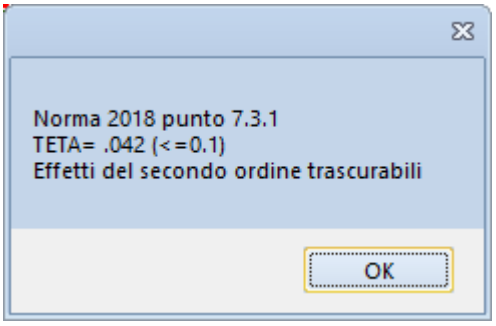
Nel presente paragrafo si riporta una descrizione del modello di calcolo utilizzato per la valutazione della vulnerabilità sismica del blocco esaminato. Il software di calcolo impiegato è CDS-WIN della STS S.r.l. Licenza n. 35268

– DESCRIZIONE MODELLO DI CALCOLO: oltre tutto quanto evincibile dai paragrafi precedenti si forniscono le seguenti ulteriori informazioni:

  - travi e pilastri (incastrati alla base) sono modellati con elementi "beam". Per ogni elemento in c.a. sono state imputate le relative armature longitudinali e trasversali presenti;
  - i setti in c.a. sono schematizzati con elementi "beam" equivalenti (uno per ciascuna parete), collegati da link rigidi di piano agli elementi adiacenti in modo da poter tenere in conto la non linearità della loro risposta sismica;
  - gli impalcati sono considerati a comportamento infinitamente rigido, tranne che per le coperture dei vani scale;
  - sono stati implementati nel modello gli interventi di miglioramento susseguitisi nel tempo a partire dal 1999;
  - le caratteristiche dei materiali sono quelle definite in precedenza secondo coefficienti FC differenziati.

– MODELLAZIONE NON LINEARE: il software impiegato nell'ambito dell'analisi pushover utilizza per le cerniere plastiche un modello a plasticità concentrata. Le pareti vengono modellate come elementi monodimensionali (pilastri) e saranno considerate come elementi a plasticità concentrata. Il software determinerà automaticamente in funzione dei rapporti dimensionali della sezione la formula da adottare per descrivere la cerniera plastica.

– EFFETTI P-Δ: il software di calcolo effettua le verifiche ai sensi del punto 7.3.1 delle NTC 2018. Nel caso in esame, gli effetti della non linearità geometrica possono essere trascurati. Il coefficiente Θ risulta infatti essere inferiore a 0,1.



A seguire vengono riportate due immagini 3D del modello di calcolo.

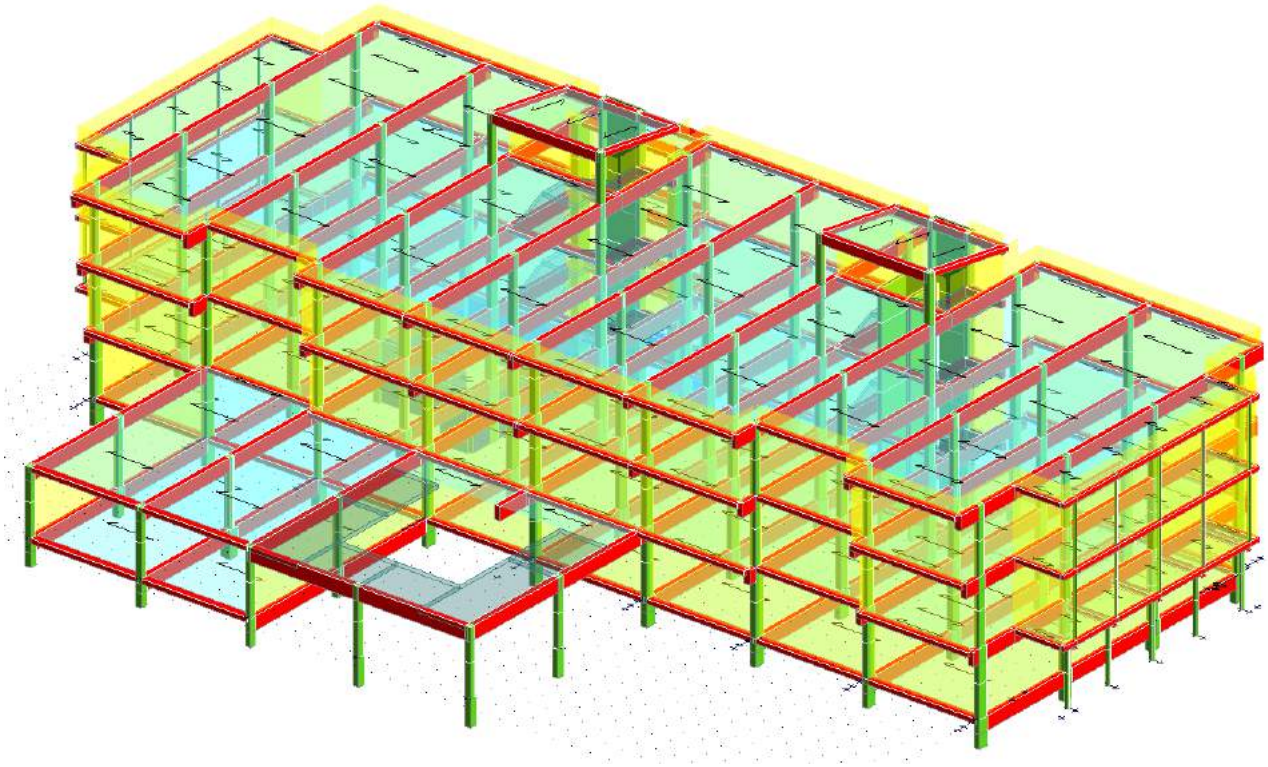


Figura - 3D modello di calcolo

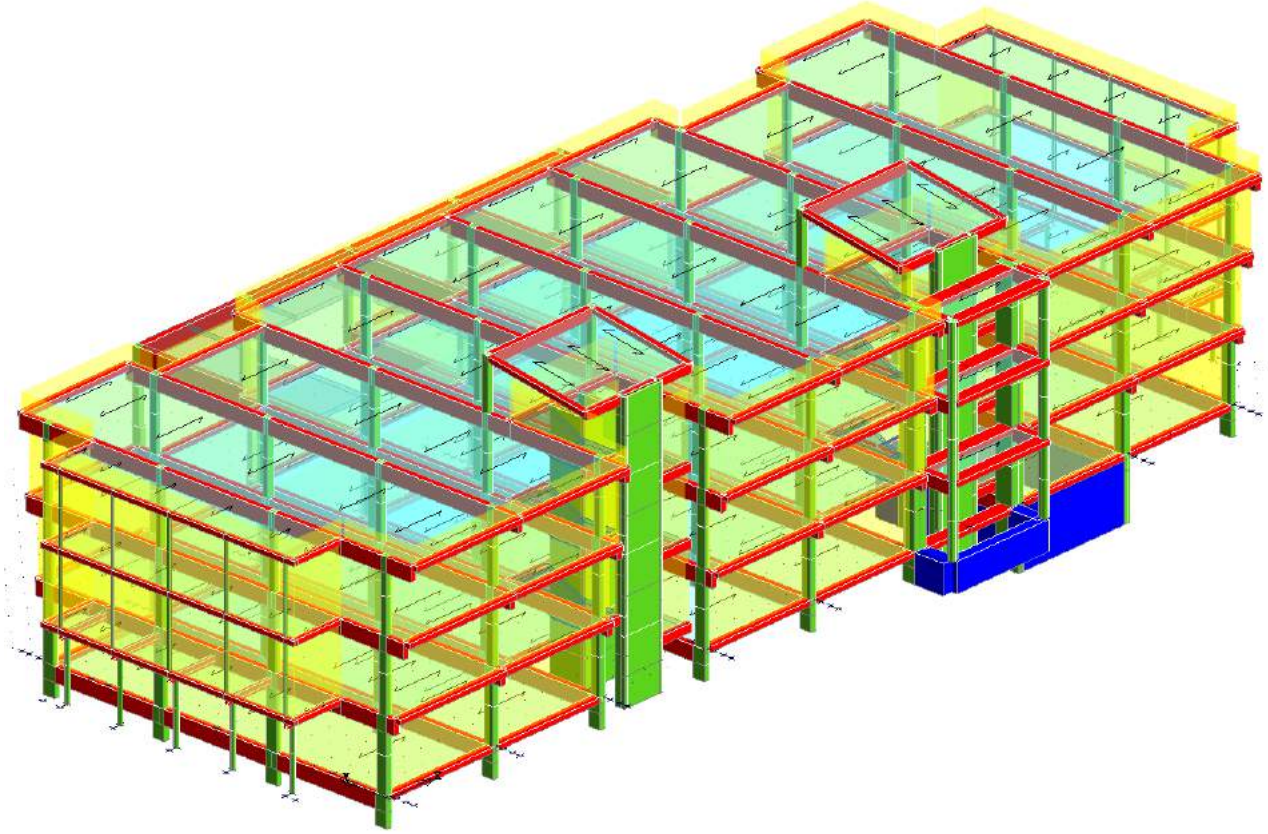


Figura - 3D modello di calcolo

INPUT DI CALCOLO

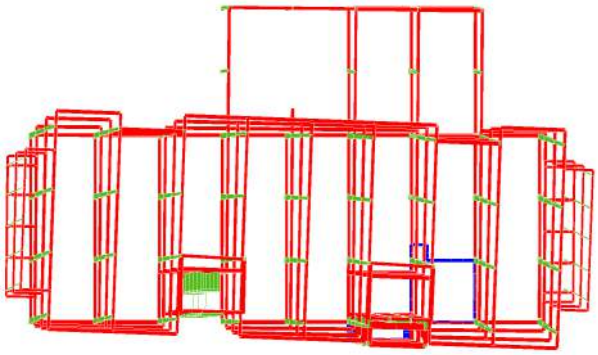
Allegato alla presente relazione è fornito file contenente i dati di input delle analisi di vulnerabilità che verranno analizzate nel proseguo.

METODI DI ANALISI E CRITERI DI AMMISSIBILITÀ

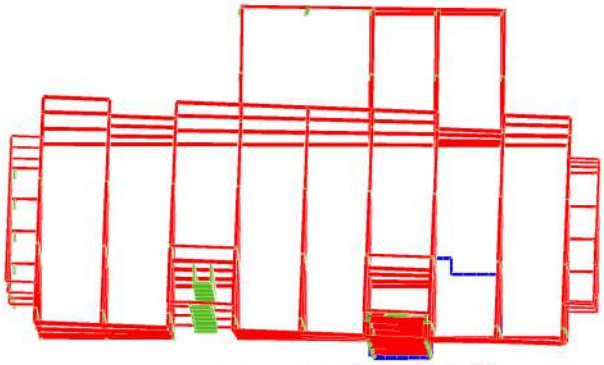
CARATTERIZZAZIONE MODALE DELLA STRUTTURA

A seguire vengono riportati i dati salienti inerenti la caratterizzazione modale della struttura.

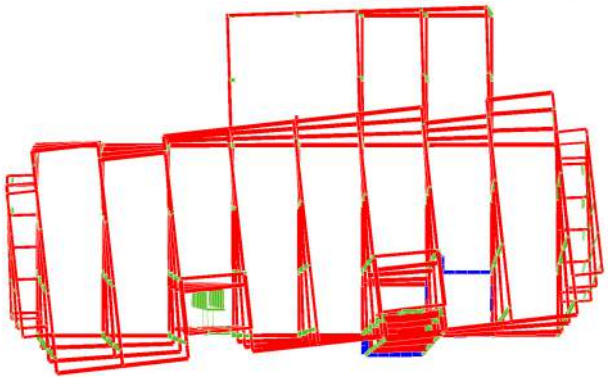
- Modo fondamentale lungo x: 1
- Periodo: 0.753s
- Massa partecipante in x: 54.22%
- Massa partecipante in y: 0.12%



- Modo fondamentale lungo y: 3
- Periodo: 0.373s
- Massa partecipante in x: 0.05%
- Massa partecipante in y: 55.35%



- Modo fondamentale torsionale: 2
- Periodo: 0.483s
- Massa partecipante in x: 3.94%
- Massa partecipante in y: 6.77%



La lista completa dei modi di vibrare con le relative percentuali di massa partecipante fino alla concorrenza dell'85% nelle due direzioni è contenuta nella tabella alla pagina seguente.

PULSAZIONI E MODI DI VIBRAZIONE													
Modo N.ro	Pulsazione (rad/sec)	Periodo (sec)	Smorz Mod(%)	Sd/g SLO	Sd/g SLD	Sd/g SLV X	Sd/g SLV Y	Sd/g SLC X	Sd/g SLC Y	Piano N.ro	X (m)	Y (m)	Rot (rad)
1	8,347	0,75276	5,0		0,174	0,187	0,187			1	0,000200	0,000395	-,000014
										2	0,005680	0,003040	-,000134
										3	0,014342	0,007109	-,000323
										4	0,023631	0,011044	-,000504
2	13,003	0,48323	5,0		0,272	0,292	0,292			1	0,000123	-,000644	0,000026
										2	0,005400	-,007976	0,000427
										3	0,013693	-,018235	0,000995
										4	0,022640	-,027804	0,001520
3	16,880	0,37223	5,0		0,304	0,296	0,296			1	-,000048	0,001540	-,000034
										2	-,001494	0,012688	-,000193
										3	-,004018	0,026535	-,000363
										4	-,006955	0,040030	-,000541
4	28,183	0,22294	5,0		0,304	0,296	0,296			1	-,000468	-,002082	0,000077
										2	-,005979	-,015889	0,000807
										3	-,004120	-,010795	0,000593
										4	0,003851	0,020698	-,001010
5	43,488	0,14448	5,0		0,304	0,296	0,296			1	0,001215	0,000878	-,000010
										2	0,021704	-,002506	0,000432
										3	0,014741	-,010395	0,000712
										4	-,018925	0,006957	-,000697
6	49,587	0,12671	5,0		0,282	0,296	0,296			1	-,000174	-,003420	0,000125
										2	0,003462	-,022496	0,001081
										3	0,007847	0,015789	-,000833
										4	-,007303	-,003515	0,000249
7	53,741	0,11692	5,0		0,270	0,296	0,296			1	0,000533	-,005162	0,000114
										2	0,009695	-,030292	0,000432
										3	0,006612	-,022763	0,000494
										4	-,008746	0,032802	-,000603
8	80,947	0,07762	5,0		0,221	0,296	0,296			1	0,001716	0,001465	-,000014
										2	0,020919	-,003570	0,000561
										3	-,020253	-,001233	-,000455
										4	0,009346	0,001658	0,000185
9	93,746	0,06702	5,0		0,208	0,296	0,296			1	-,000793	0,007264	-,000178
										2	-,013457	0,030574	-,000602
										3	0,012823	-,033377	0,000620
										4	-,006051	0,016392	-,000302
10	142,312	0,04415	5,0		0,179	0,296	0,296			1	0,009749	0,037577	-,001258
										2	-,000009	-,007850	0,000185
										3	0,000155	0,002010	-,000039
										4	0,000008	-,000318	0,000007
11	231,869	0,02710	5,0		0,158	0,296	0,296			1	-,011679	0,036435	-,000228
										2	0,001205	-,004299	0,000057
										3	-,000241	0,000756	-,000009
										4	-,000003	0,000016	-,000002
12	268,995	0,02336	5,0		0,153	0,296	0,296			1	0,035602	-,030084	0,001467
										2	-,001911	0,001840	-,000079
										3	0,000390	-,000297	0,000013
										4	-,000017	-,000008	-,000001

FATTORI E FORZE DI PIANO MODALI S.L.V.									
S I S M A D I R E Z I O N E : 0°									
Massa eccitata (t): 3743.66 Massa totale (t): 3743.66 Rapporto:1									
Modo N.ro	Fattore Modale	Fmod/Fmax (%)	Massa Mod Eff. (t)	Mmod/Mtot %	Piano N.ro	FX (t)	FY (t)	Mt (t*m)	Mom.Ecc. 5% (t*m)
1	45,053	100,00	2029,80	54,22	1	2,90	0,22	-60,68	51,38
					2	65,12	-3,12	-896,66	197,84
					3	140,82	-6,49	-1677,95	303,09
					4	171,65	-8,16	-1952,45	321,86
2	12,145	26,96	147,49	3,94	1	-0,58	0,19	29,61	
					2	2,85	10,87	486,73	
					3	16,40	21,00	921,24	
					4	24,40	24,39	1005,63	
3	1,400	3,11	1,96	0,05	1	-0,13	-0,25	5,82	
					2	-0,28	-3,48	18,21	
					3	0,31	-7,07	22,31	
					4	0,68	-8,04	21,57	
4	17,233	38,25	296,97	7,93	1	6,53	0,20	-168,98	
					2	81,36	-25,06	-2035,25	
					3	46,50	-18,35	-1180,24	
					4	-46,59	15,08	1373,58	
5	18,389	40,82	338,14	9,03	1	7,02	3,17	-96,06	
					2	99,85	49,56	66,77	
					3	44,00	36,99	877,08	
					4	-50,87	-40,02	-554,21	
6	2,567	5,70	6,59	0,18	1	1,15	0,07	-36,59	
					2	6,83	-4,01	-327,12	
					3	-11,25	3,38	255,72	
					4	5,22	-1,43	-74,41	
7	4,235	9,40	17,93	0,48	1	-0,89	-2,59	54,06	
					2	6,75	-26,19	45,85	
					3	2,65	-12,95	122,22	
					4	-3,21	16,39	-93,48	
8	7,782	17,27	60,57	1,62	1	4,19	2,42	-58,80	
					2	36,84	26,48	181,88	
					3	-36,06	-27,55	-124,39	
					4	12,95	10,34	31,61	
9	1,765	3,92	3,12	0,08	1	-0,60	-1,28	34,22	
					2	3,89	-8,66	44,64	
					3	-3,68	9,21	-43,37	
					4	1,30	-3,41	15,61	
10	21,239	47,14	451,09	12,05	1	144,53	25,53	-3606,82	
					2	-13,77	-21,50	423,17	
					3	3,06	6,44	-71,66	
					4	-0,22	-0,71	8,16	
11	8,386	18,61	70,32	1,88	1	22,04	-73,18	145,15	
					2	-1,56	7,64	-11,82	
					3	0,38	-1,27	0,87	
					4	-0,03	0,08	1,58	
12	17,880	39,69	319,68	8,54	1	99,40	45,37	861,14	
					2	-6,03	-0,86	-85,31	
					3	1,39	0,14	10,80	
					4	-0,05	-0,09	-0,59	

FATTORI E FORZE DI PIANO MODALI S.L.V.									
SISMA DIREZIONE: 90°									
Massa eccitata (t): 3743.66 Massa totale (t): 3743.66 Rapporto:1									
Modo N.ro	Fattore Modale	Fmod/Fmax (%)	Massa Mod Eff. (t)	Mmod/Mtot %	Piano N.ro	FX (t)	FY (t)	Mt (t*m)	Mom.Ecc. 5% (t*m)
1	2,079	4,57	4,32	0,12	1	-0,13	-0,01	2,80	149,88
					2	-3,01	0,14	41,38	577,11
					3	-6,50	0,30	77,44	884,11
					4	-7,92	0,38	90,11	938,87
2	15,918	34,97	253,37	6,77	1	-0,76	0,25	38,81	
					2	3,74	14,25	637,95	
					3	21,49	27,52	1207,45	
					4	31,98	31,97	1318,06	
3	45,521	100,00	2072,20	55,35	1	4,34	8,21	-189,12	
					2	8,95	113,25	-592,33	
					3	-9,95	229,76	-725,55	
					4	-22,18	261,41	-701,36	
4	5,522	12,13	30,49	0,81	1	-2,09	-0,06	54,15	
					2	-26,07	8,03	652,16	
					3	-14,90	5,88	378,19	
					4	14,93	-4,83	-440,14	
5	9,138	20,07	83,50	2,23	1	3,49	1,57	-47,73	
					2	49,62	24,63	33,18	
					3	21,86	18,38	435,84	
					4	-25,28	-19,89	-275,40	
6	2,620	5,76	6,87	0,18	1	-1,17	-0,08	37,35	
					2	-6,98	4,10	333,88	
					3	11,48	-3,45	-260,99	
					4	-5,32	1,46	75,94	
7	20,234	44,45	409,40	10,94	1	4,25	12,39	-258,29	
					2	-32,23	125,15	-219,08	
					3	-12,68	61,86	-583,93	
					4	15,32	-78,29	446,65	
8	5,076	11,15	25,77	0,69	1	2,73	1,58	-38,35	
					2	24,03	17,27	118,63	
					3	-23,52	-17,97	-81,13	
					4	8,45	6,75	20,61	
9	7,937	17,43	62,99	1,68	1	2,70	5,77	-153,85	
					2	-17,51	38,93	-200,66	
					3	16,53	-41,38	194,98	
					4	-5,87	15,34	-70,15	
10	1,552	3,41	2,41	0,06	1	10,56	1,87	-263,48	
					2	-1,01	-1,57	30,91	
					3	0,22	0,47	-5,23	
					4	-0,02	-0,05	0,60	
11	26,862	59,01	721,56	19,27	1	-70,60	234,41	-464,96	
					2	4,98	-24,48	37,87	
					3	-1,21	4,06	-2,78	
					4	0,10	-0,24	-5,05	
12	8,414	18,48	70,80	1,89	1	46,77	21,35	405,24	
					2	-2,84	-0,40	-40,15	
					3	0,65	0,07	5,08	
					4	-0,02	-0,04	-0,28	

A seguire per ogni piano sismico si riportano inoltre immagini con individuati centro delle masse e centro delle rigidezze.

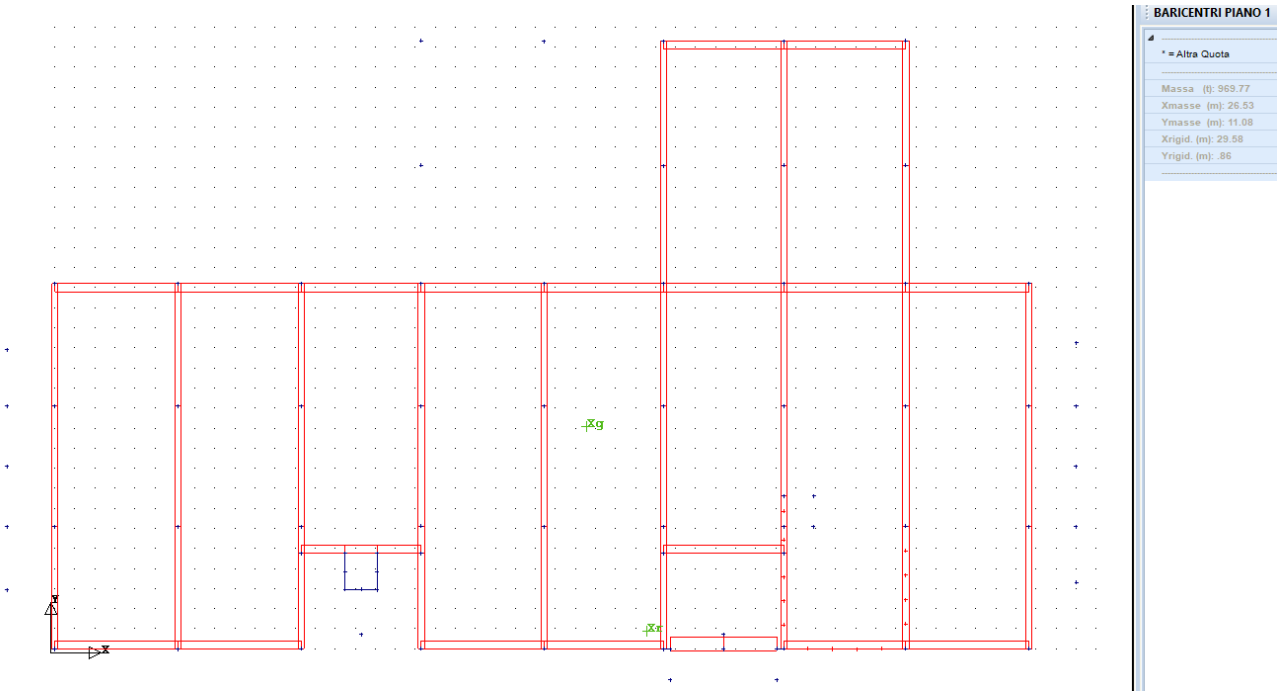


Figura - Baricentri Primo Impalcato (piano terra)

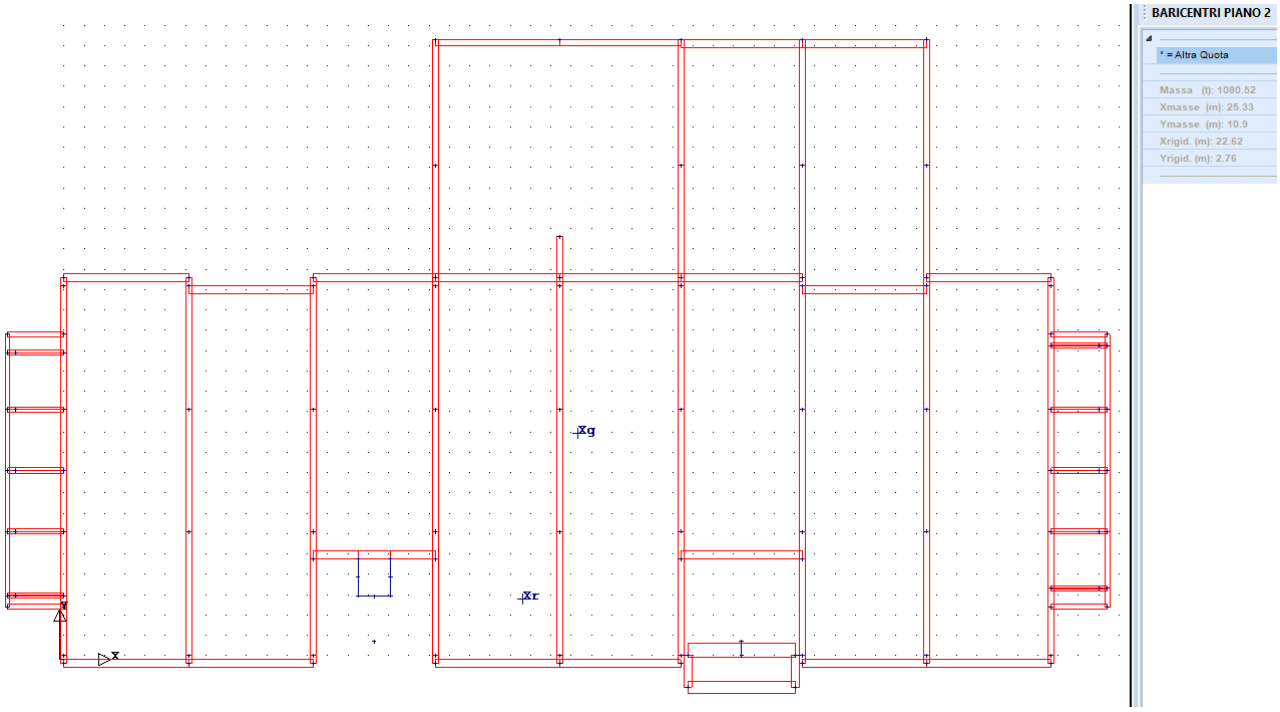


Figura - Baricentri Secondo Impalcato (piano primo)

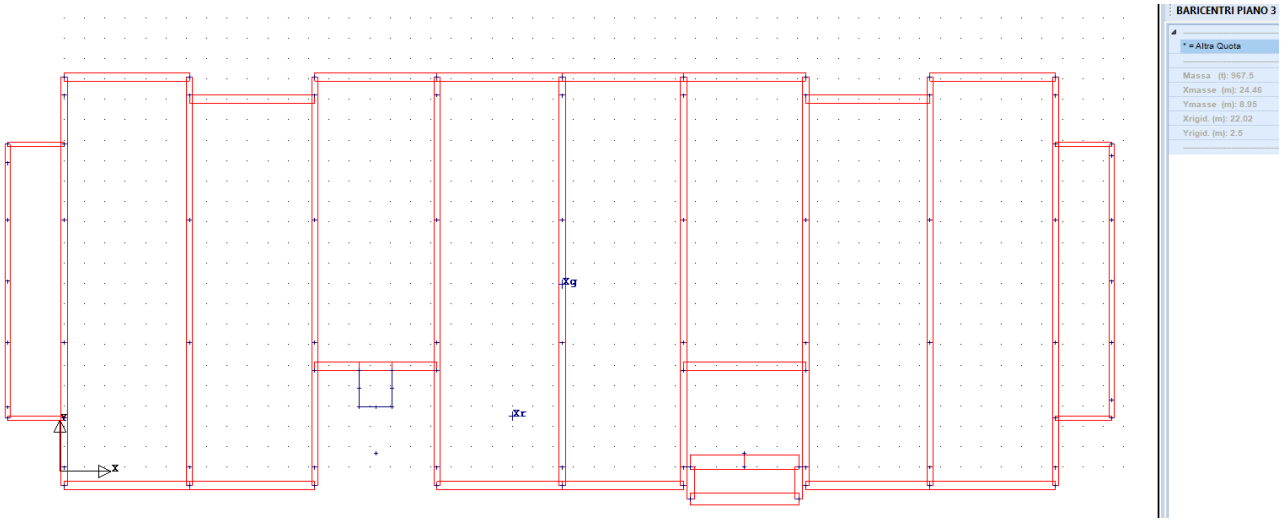


Figura 3 - Baricentri Terzo Impalcato (piano secondo)

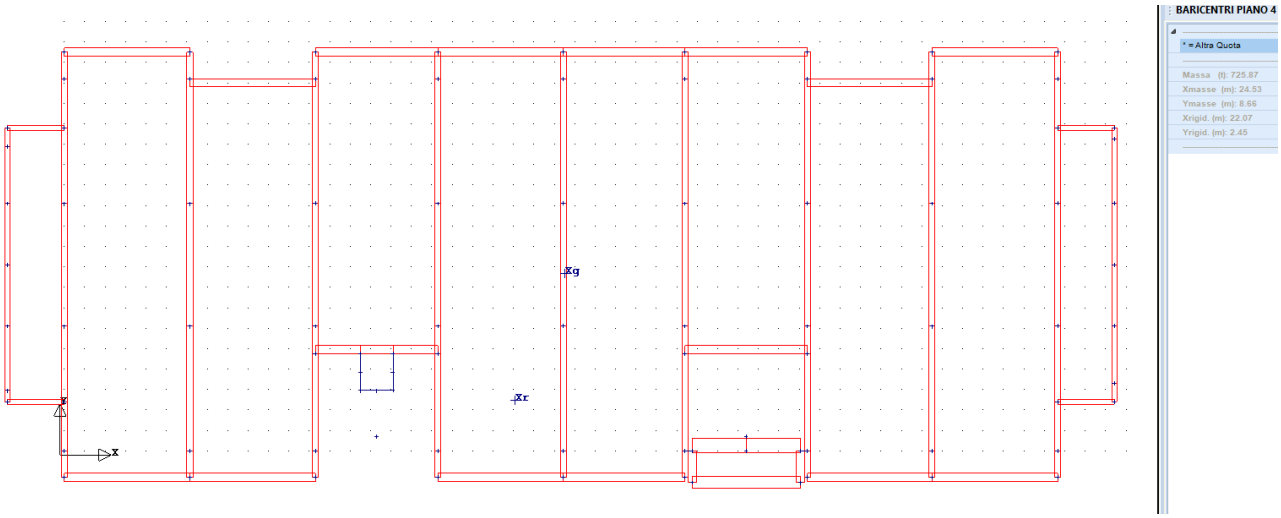


Figura 4 - Baricentri Quarto Impalcato (copertura)

ANALISI STATICA NON LINEARE (PUSHOVER)

Conformemente ai dettami del punto 7.2.3.4 delle NTC 2018 lo studio della vulnerabilità del blocco in esame è stato effettuato tramite analisi statica non lineare. Le distribuzioni di forze, una per ciascuna dei due gruppi previsti dalla norma, sono riportate a seguire.

Gruppo 1 Distribuzioni principali: distribuzione corrispondente all'andamento delle forze di piano agenti su ciascun orizzontamento calcolate in un'analisi dinamica lineare, includendo nella direzione considerata un numero di modi con partecipazione di massa complessiva non inferiore allo 85%.

Gruppo 2 - Distribuzioni secondarie: distribuzione desunta da un andamento uniforme di accelerazioni lungo l'altezza della costruzione.

Il numero di combinazioni push over complessivamente esaminate è pari a **32**. Esse sono specificate nel capitolo "AZIONI SULLA COSTRUZIONE".

OUTPUT DI CALCOLO

Allegati alla presente relazione sono forniti file contenenti gli output delle analisi di vulnerabilità che verranno analizzate nel proseguo.

VERIFICHE DI VULNERABILITÀ

VERIFICHE DI VULNERABILITÀ DI EDIFICI IN CEMENTO ARMATO

La verifica in condizioni sismiche è stata effettuata mediante una serie di analisi push over dalle quali è stato possibile risalire all'indice di vulnerabilità per ciascuna specifica curva carico - spostamento analizzata.

VERIFICHE DEGLI ELEMENTI NON STRUTTURALI E DEGLI IMPIANTI

Come anticipato ai paragrafi precedenti, circa gli impianti, di concerto con la committente si è deciso di non procedere alla valutazione dello SLO in quanto l'efficienza degli impianti stessi non è una condizione necessaria al mantenimento del servizio reso all'interno della struttura (es. ospedali)

Per quanto concerne invece gli elementi non strutturali da sottoporre a valutazione sismica, identificabili con le tamponature/tramezzature, l'analisi di vulnerabilità consiste nel calcolare quale accelerazione orizzontale provoca l'**espulsione della tamponatura** dalla maglia di telaio che la contiene. Questo valore critico può essere calcolato uguagliando la forza di espulsione (***Fa***) con la corrispondente resistenza (***Rd***). In generale, la verifica è soddisfatta se:

$$Rd \geq Fa$$

Per la resistenza fuori piano, nel caso di tamponature interamente confinate il modello più verosimile è lo schema "dell'articolazione". Il collasso "fuori piano" è elaborato considerando il meccanismo resistente ad arco, in base al quale la condizione limite di equilibrio è quella in cui si formano delle cerniere agli estremi del pannello e in mezzeria.

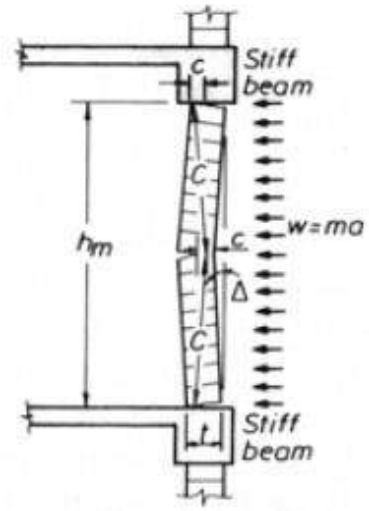


Figura - Schema "dell'articolazione"

Il problema è in termini di analisi plastica del modello iniziale costituito da un incastro al piede e cerniera in testa, considerando sia l'effetto stabilizzante del peso proprio, sia la resistenza a flessione fuori piano della sezione di base.

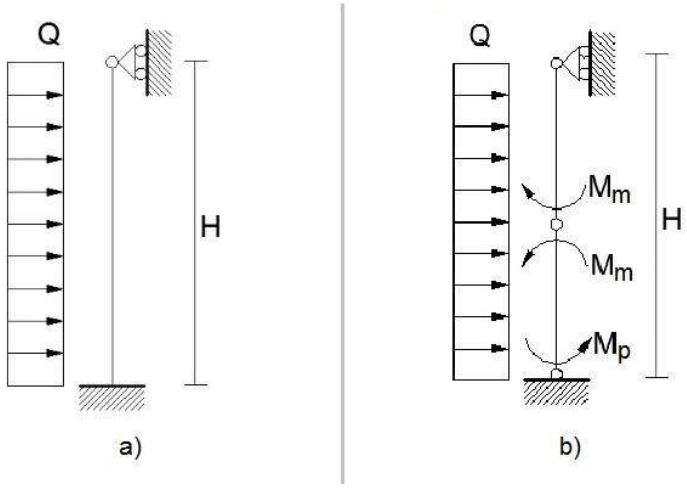


Figura - Schema iniziale a) e finale b)

Il carico esterno ripartito Q rappresenta l'azione sismica per unità di altezza del muro relativa alla massa. Il valore corrispondente all'equilibrio con i momenti è pari a:

$$Q = \frac{4}{H^2} \cdot (M_p + 2 \cdot M_m)$$

I momenti resistenti vengono calcolati utilizzando l'espressione relativa alla flessione fuori piano della muratura portante con diagramma "stress-block", in funzione del carico verticale gravante. I due momenti assumono valori pari a:

$$M_p = \left(\frac{t^2 \cdot l \cdot \sigma_p}{2}\right) \cdot \left(1 - \frac{\sigma_p}{0.85 \cdot f_m}\right)$$

$$M_m = \left(\frac{t^2 \cdot l \cdot \sigma_m}{2}\right) \cdot \left(1 - \frac{\sigma_m}{0.85 \cdot f_m}\right)$$

con

$$\sigma_p = \frac{W}{t \cdot l}$$

$$\sigma_m = \frac{W}{2 \cdot t \cdot l}$$

Nelle formule precedenti *t* è lo spessore della tamponatura, *l* è la lunghezza del muro (che per comodità può essere anche assunta di sviluppo unitario), *W* è il peso totale del muro (associato alla lunghezza *l*), f_m è la resistenza di calcolo della muratura.

In definitiva il valore resistente all'espulsione ***Rd*** sarà pari a:

$$R_d = \frac{4}{H} \cdot (M_p + 2 \cdot M_m)$$

Il calcolo dell'accelerazione corrispondente (PGA) viene effettuato eguagliando la forza *Fa* agente sull'elemento non strutturale alla forza orizzontale necessaria all'espulsione della tamponatura (*Rd*), per cui si ottiene:

$$R_d = F_a = \frac{S_a \cdot W}{q} \quad (q = 2\ per\ le\ tamponature)$$

Da questa espressione si ricava il valore del coefficiente sismico *Sa* corrispondente alla resistenza *Rd*:

$$S_a = \frac{R_d \cdot q}{W}$$

Il coefficiente sismico ***Sa*** può essere calcolato (in funzione dell'altezza dell'edificio ***Hed***) mediante la formula suggerita dalle Norme Tecniche per le Costruzioni:

$$S_a = PGA \cdot \left[\frac{3 \cdot (1 + Z/H)}{1 + (1 - T_a/T_1)^2} - 0{,}5\right]$$

Con qualche semplice passaggio algebrico è possibile ricavare il valore della **PGA** in funzione del valore resistente ***Rd***:

$$PGA = \frac{R_d \cdot q}{W} \cdot \left[\frac{3 \cdot (1 + Z/H)}{1 + (1 - T_a/T_1)^2} - 0{,}5\right]^{-1}$$

Nelle formule descritte è presente il periodo di vibrazione fondamentale (*Ta)* dell'elemento non strutturale. Per la stima di questo parametro è possibile utilizzare diverse formulazioni che tengano conto dei vari aspetti (influenza del carico verticale, condizioni di vincolo, ecc.). Si utilizza la seguente:

$$T_a = 2 \cdot \pi \cdot \left[\left(\frac{\pi}{H}\right)^2 \cdot \sqrt{\frac{E \cdot I \cdot t^3}{12 \cdot m}}\right]^{-1}$$

Nella formula del periodo oltre ai parametri già descritti è presente *m* che rappresenta la massa per unità di altezza della tamponatura.

Al valore della PGA corrisponde l'indicatore di rischio. Valori inferiori all'unità sono rappresentativi di condizioni di vulnerabilità, rispetto alle quali è possibile applicare interventi idonei ad aumentare il valore dell'accelerazione necessaria all'espulsione, anche fino al raggiungimento delle condizioni di sicurezza.

Nel caso in esame le tamponature sono del tipo a cassa vuota con mattoni forati. Non esistendo collegamento fra il foglio esterno e quello interno, i due paramenti si comportano come elementi separati. In considerazione di ciò si riporta a seguire la verifica del foglio interno (meno resistente), costituito da forati da 6cm e 2cm di intonaco.

E' chiaro che, stante le considerazioni appena fatte, **tale verifica è estendibile alle tramezzature**.

Come spessore è stato considerato quello complessivo costituito da laterizio ed intonaco.

Dati Sismici			
a_g	0,208	g	Accelerazione orizzontale massima al sito
F_0	2,497		Valore massimo del fattore di amplificazione dello spettro

Cat. Suolo	B		Categoria di sottosuolo
Cat. Topo.	T2		Categoria Topografica
h/H	1		Rapporto fra quota edificio e quota massima del rilievo
S_S	1,192		Coefficiente di amplificazione stratigrafica
S_T	1,200		Coefficiente di amplificazione topografica
q	2		Fattore di comportamento tamponature

Dati Tamponatura			
L	5600	mm	Lunghezza
t	80	mm	Spessore
H	2700	mm	Altezza
p	9	kN/m^3	Peso specifico
E	1500	MPa	Modulo Elastico
f_m	0,82	MPa	Resistenza media a compressione
W	10,89	kN	Peso totale
m	41,10	kg/m	Massa per unità di altezza

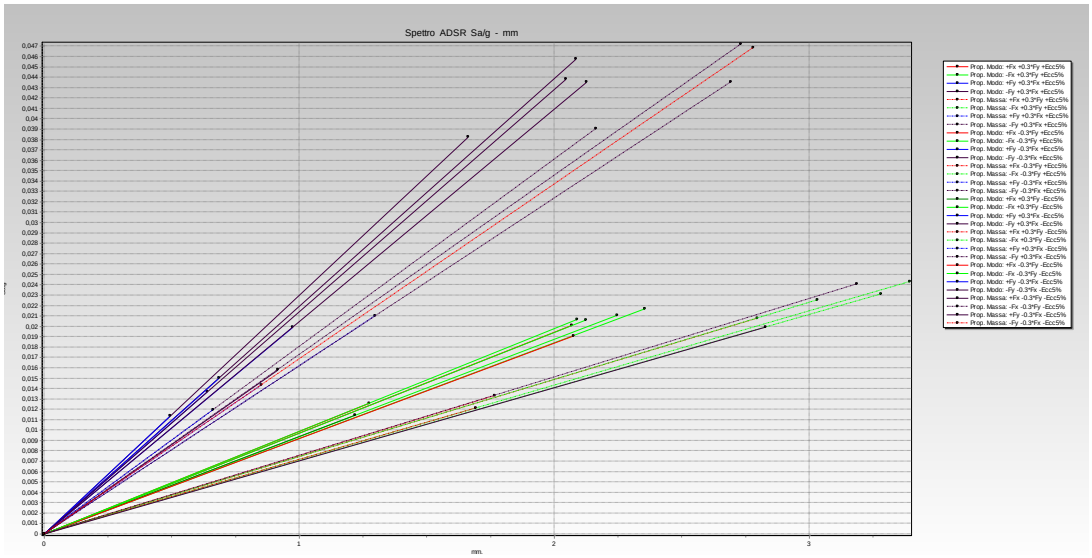
Dati Struttura			
z	8300	mm	Quota di appoggio del muro rispetto alla fondazione
H_{ed}	11750	mm	Altezza dell'edificio rispetto alla fondazione
Z	9650	mm	Altezza del baricentro del muro rispetto alla fondazione
T_1	0,752	s	Periodo di vibrazione fondamentale della struttura
T_a	0,157	s	Periodo di vibrazione fondamentale della tamponatura

Resistenza fuori dal piano			
σ_p	0,024	MPa	Tensione di compressione al piede
σ_m	0,012	MPa	Tensione di compressione in mezzeria
M_p	0,420	kNm	Momento resistente al piede
M_m	0,214	kNm	Momento resistente in mezzeria
R_d	1,257	kN	Forza resistente all'espulsione

PGA e Indicatore di rischio			
PGA	0,081	g	Massima accelerazione sopportabile
Ir	0,271		Indicatore di rischio

DETERMINAZIONE DELL'INDICATORE DI RISCHIO (I_R)

Tralasciando la descrizione della procedura per la determinazione dell'indice di rischio connesso alle analisi push over per gli edifici in cemento armato, si ricorda come questo indice sia da determinarsi formalmente sulla base della crisi del primo elemento strutturale. Tenendo dunque fede a tale impostazione si riportano appena sotto, in unico grafico tutte le curve *forza - spostamento* delle 32 push allo SLV processate dal software di calcolo.



Come si può evincere dagli output delle analisi, consultabili nei file allegati alla presente relazione, l'indice di rischio (I_R) varia nell'ambito del seguente range di valori.

$$0{,}067 \leq I_R \leq 0{,}14$$

Nello specifico, analizzando le rotture connesse ad alcune push rappresentative, si desume come queste si sviluppino sempre per la crisi dei NODI NON CONFINATI, per i quali peraltro le staffe dei pilastri, coerentemente con le tecniche costruttive del tempo, non si sono considerate passanti all'interno dei nodi stessi.

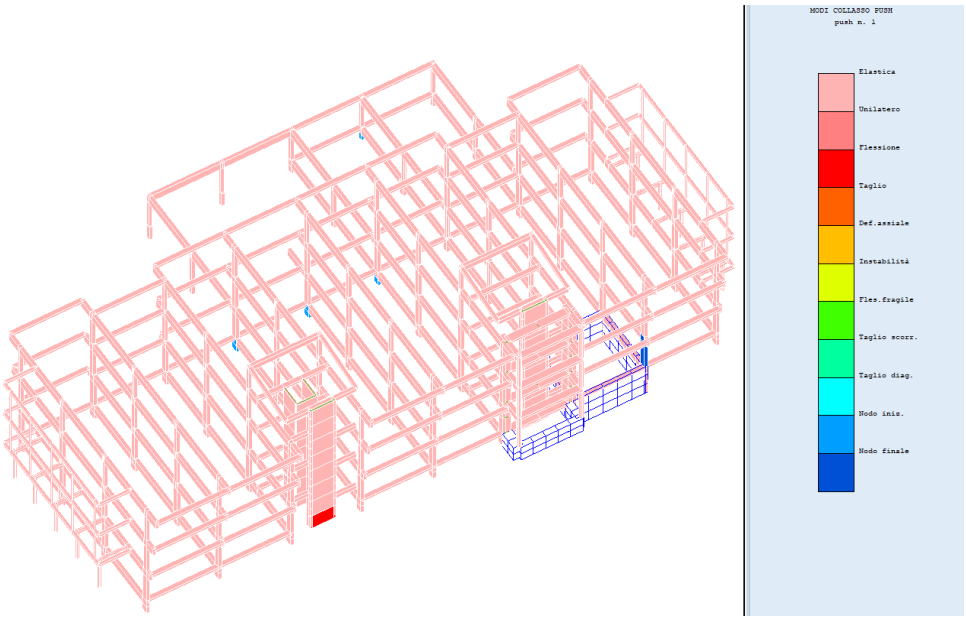


Figura - Push n.1

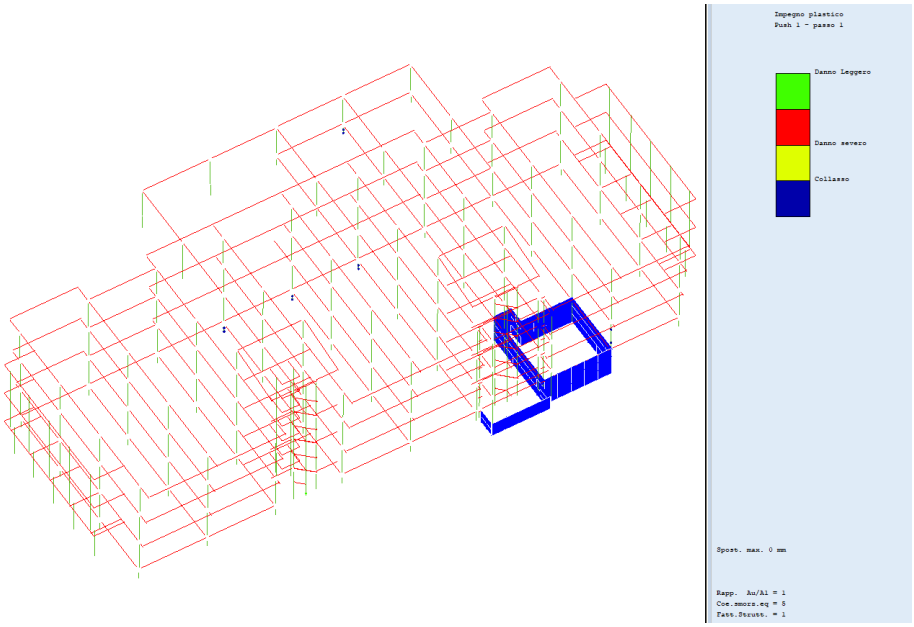


Figura - Push n.1 (collassi)

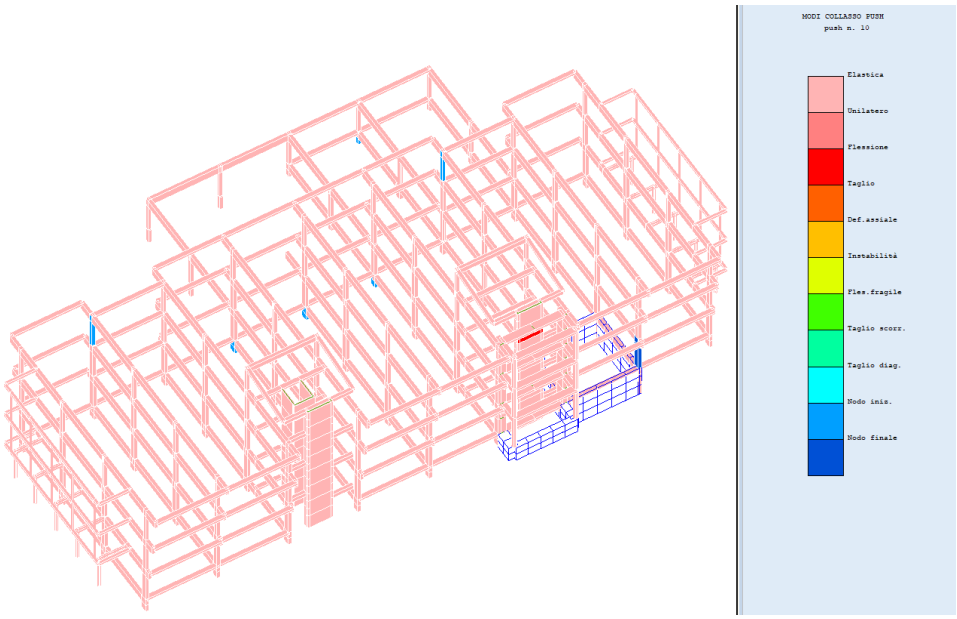


Figura - Push n.10

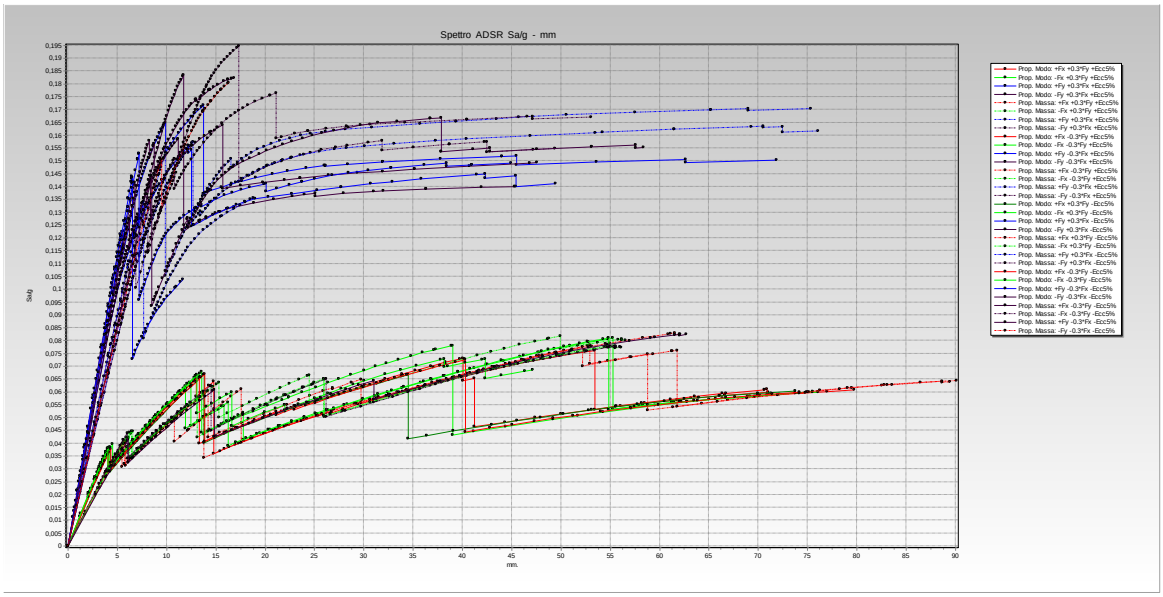
Volendo sintetizzare, dall'analisi critica dei risultati si deduce che la vulnerabilità del "BLOCCO AULE" in esame è legata in prima battuta a meccanismi di tipo fragile connessi alla crisi dei nodi non confinati. Tali comportamenti dovranno essere prioritariamente scongiurati nell'ambito del progetto di miglioramento/adeguamento al fine di evitare labilità locali che possono compromettere la stabilità globale.

VALUTAZIONE CRITICA DELL'INDICATORE DI RISCHIO (I_R)

Come detto al paragrafo precedente l'indicatore di rischio viene formalmente stimato in base alla crisi del primo elemento strutturale. Seppure l'indicatore così calcolato venga interpretato come "assoluto", questo può evidentemente risultare improprio circa la reale vulnerabilità dell'intera struttura. In tal senso risulta opportuno valutare cosa accade dopo la prima rottura, andando ad indagare un numero significativo di crisi nel loro complesso, passando quindi dal concetto di Indice di Rischio "Locale" a quello "Globale" .

Sulla scorta di tali considerazioni, nell'ipotesi di avere superato le criticità connesse a tutti i nodi non confinati tramite un intervento di miglioramento/adeguamento, si è studiato il comportamento strutturale imponendo al software di indagare un sufficiente numero di rotture successive (15).

Sotto tali ipotesi si riportano appena sotto, ancora in unico grafico tutte le curve *forza - spostamento* delle 32 push allo SLV processate dal software di calcolo.



Consultando gli output delle analisi nei file allegati alla presente relazione si osserva che l'indice di rischio (I_R) in questo caso varia nell'ambito del seguente range di valori.

$$0{,}149 \leq I_R \leq 0{,}248$$

A seguire si riportano alcune rappresentazioni esemplificative delle tipologie di collasso.

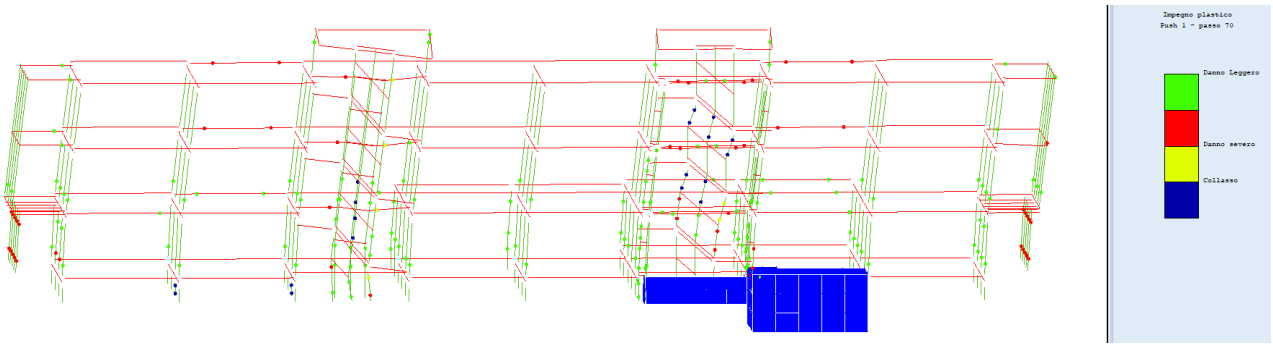


Figura - Push n.1 (passo n.70 di analisi)

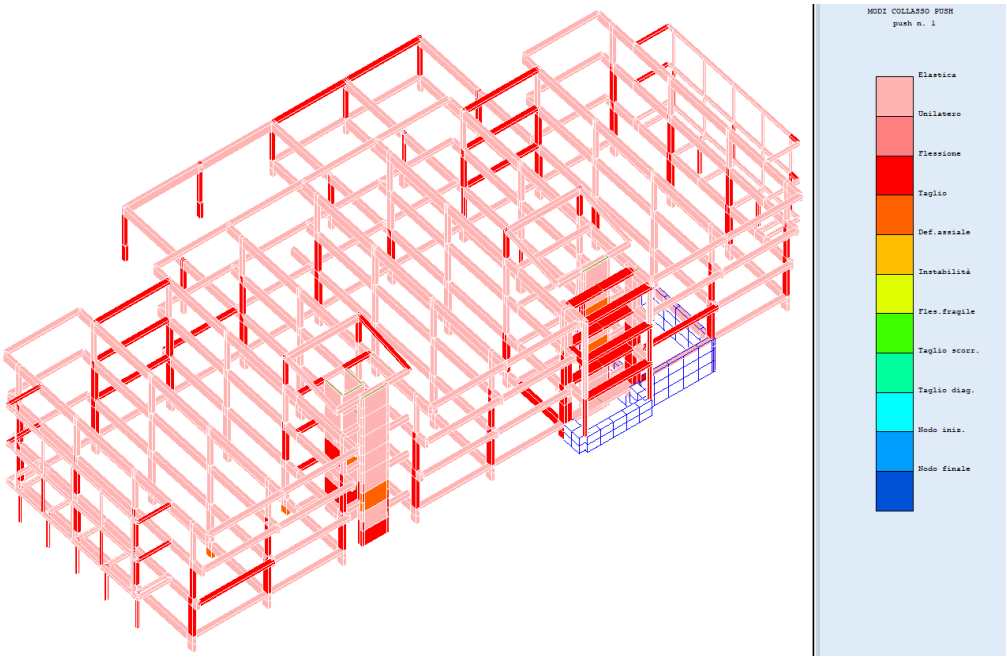


Figura - Push n.1 (fotografia del danno al passo n.70)

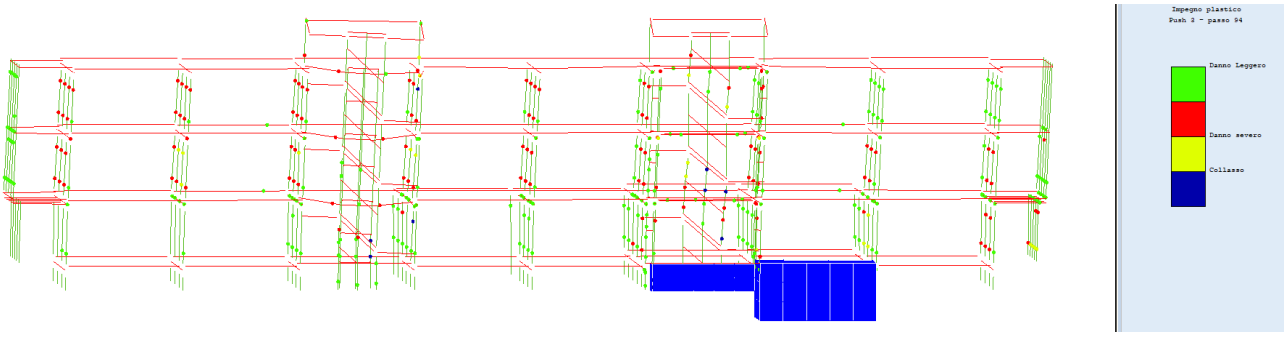


Figura - Push n.2 (passo n.94 di analisi)

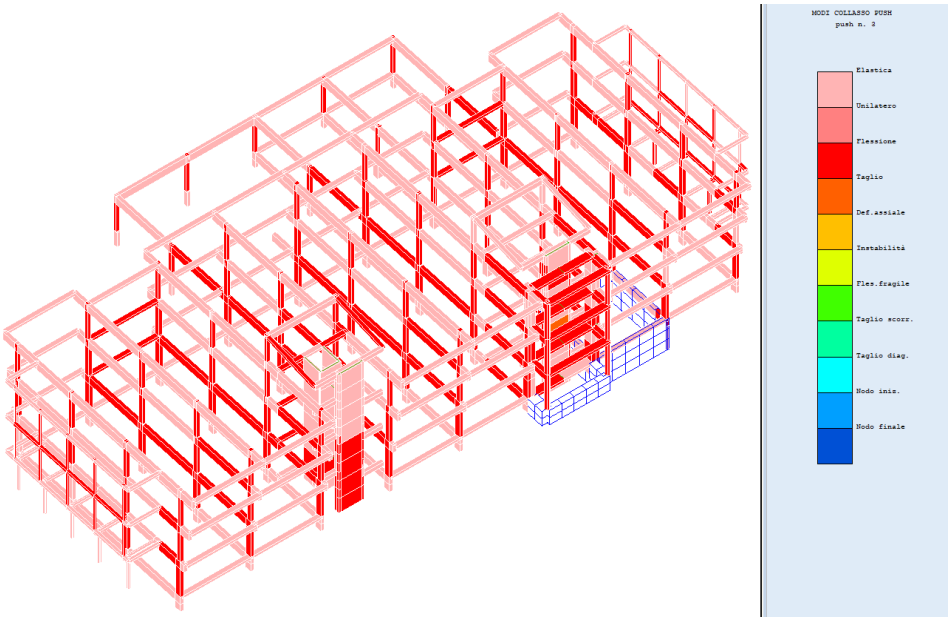


Figura - Push n.2 (fotografia del danno al passo n.94)

Analizzando le rotture connesse alle push rappresentative sopra riportate si desume come queste interessino:

- le zone fortemente irrigidite ove sono presenti setti in c.a.;
- i "pilastri tozzi" tra plinti di fondazione ed il solaio piano terra.

Tali rotture sono essenzialmente di tipo fragile a taglio.

Si può comunque notare come anche travi e pilastri manifestino danneggiamento di tipo flessionale, quindi duttile, seppur di livello al più severo.

Ancora una volta in definitiva, meccanismi fragili governano la crisi della struttura ingenerando labilità locali. Nel complesso comunque, analizzando le curve forza - spostamento, si nota come fondamentalmente, seppur con la progressione del degrado resistente, il blocco in esame dimostri una discreta risposta in spostamento.

CONCLUSIONI

È stata eseguita l'analisi di vulnerabilità del "BLOCCO AULE" della scuola Media Ceci.

A valle di tutte le indagini e dei risultati ottenuti si ritiene di poter proporre le seguenti considerazioni:

- la struttura presenta alcune criticità intrinseche quali:
    - assenza di tali resistenti nelle due direzioni principali;
    - presenza di zone fortemente irrigidite non distribuite correttamente che generano una elevata eccentricità nella risposta dinamica;
    - presenza di "elementi corti" suscettibili di crisi a taglio;
- le vulnerabilità sismiche riguardano essenzialmente meccanismi di tipo fragile (rotture nodi non confinati, crisi a taglio di setti e di pilastri tozzi) che inibiscono l'attivazione di comportamenti duttili

Nonostante ciò, si ritiene allo stesso modo di poter affermare che:

- la storia sismica della struttura testimonia che essa ha risposto agli eventi tellurici subiti nel tempo, senza subire danni gravi;
- il miglioramento/adeguamento risulta perseguibile senza procedere alla demolizione e ricostruzione, ma mettendo in campo una serie di interventi finalizzati all'eliminazione delle criticità sopra evidenziate anche con l'ausilio di moderne tecniche basati si approcci di isolamento simico piuttosto che dissipazione di energia.

R E L A Z I O N E D I C A L C O L O

Sono illustrati con la presente i risultati dei calcoli che riguardano il progetto delle armature, la verifica delle tensioni di lavoro dei materiali e del terreno.

• NORMATIVA DI RIFERIMENTO

I calcoli sono condotti nel pieno rispetto della normativa vigente e, in particolare, la normativa cui viene fatto riferimento nelle fasi di calcolo, verifica e progettazione è costituita dalle *Norme Tecniche per le Costruzioni*, emanate con il D.M. 17/01/2018 pubblicato nel suppl. 8 G.U. 42 del 20/02/2018, nonché la Circolare del Ministero Infrastrutture e Trasporti del 21 Gennaio 2019, n. 7 "*Istruzioni per l'applicazione dell'aggiornamento delle norme tecniche per le costruzioni*".

• METODI DI CALCOLO

I metodi di calcolo adottati per il calcolo sono i seguenti:

1) Per i carichi statici: *METODO DELLE DEFORMAZIONI*;

2) Per i carichi sismici: metodo dell'*ANALISI MODALE* o dell'*ANALISI SISMICA STATICA EQUIVALENTE*.

Per lo svolgimento del calcolo si è accettata l'ipotesi che, in corrispondenza dei piani sismici, i solai siano infinitamente rigidi nel loro
piano e che le masse ai fini del calcolo delle forze di piano siano concentrate alle loro quote.

• CALCOLO SPOSTAMENTI E CARATTERISTICHE

II calcolo degli spostamenti e delle caratteristiche viene effettuato con il metodo degli elementi finiti (**F.E.M.**).

Possono essere inseriti due tipi di elementi:

1) Elemento monodimensionale asta (*beam*) che unisce due nodi aventi ciascuno 6 gradi di libertà. Per maggiore precisione di calcolo, viene tenuta in conto anche la deformabilità a taglio e quella assiale di questi elementi. Queste aste, inoltre, non sono considerate flessibili da nodo a nodo ma hanno sulla parte iniziale e finale due tratti infinitamente rigidi formati dalla parte di trave inglobata nello spessore del pilastro; questi tratti rigidi forniscono al nodo una dimensione reale.

2) L'elemento bidimensionale shell (*quad*) che unisce quattro nodi nello spazio. Il suo comportamento è duplice, funziona da lastra per i carichi agenti sul suo piano, da piastra per i carichi ortogonali.

Assemblate tutte le matrici di rigidezza degli elementi in quella della struttura spaziale, la risoluzione del sistema viene perseguita tramite il *metodo di Cholesky*.

Ai fini della risoluzione della struttura, gli spostamenti X e Y e le rotazioni attorno l'asse verticale Z di tutti i nodi che giacciono su di un impalcato dichiarato rigido sono mutuamente vincolati.

• RELAZIONE SUI MATERIALI

Le caratteristiche meccaniche dei materiali sono descritti nei tabulati riportati nel seguito per ciascuna tipologia di materiale utilizzato.

- **ANALISI SISMICA DINAMICA**

L'analisi sismica dinamica è stata svolta con il metodo dell'analisi modale; la ricerca dei modi e delle relative frequenze è stata perseguita con il *metodo di Jacobi*.

I modi di vibrazione considerati sono in numero tale da assicurare l'eccitazione di più dell'85% della massa totale della struttura.

Per ciascuna direzione di ingresso del sisma si sono valutate le forze applicate spazialmente agli impalcati di ogni piano (forza in X, forza in Y e momento).

Le forze orizzontali così calcolate vengono ripartite fra gli elementi irrigidenti (pilastri e pareti di taglio), ipotizzando i solai dei piani sismici infinitamente rigidi assialmente.

Per la verifica della struttura si è fatto riferimento all'analisi modale, pertanto sono prima calcolate le sollecitazioni e gli spostamenti modali e poi viene calcolato il loro valore efficace.

I valori stampati nei tabulati finali allegati sono proprio i suddetti valori efficaci e pertanto l'equilibrio ai nodi perde di significato. I valori delle sollecitazioni sismiche sono combinate linearmente (in somma e in differenza) con quelle per carichi statici per ottenere le sollecitazioni per sisma nelle due direzioni di calcolo.

Gli angoli delle direzioni di ingresso dei sismi sono valutati rispetto all'asse X del sistema di riferimento globale.

- **VERIFICHE**

Le verifiche, svolte secondo il metodo degli stati limite ultimi e di esercizio, si ottengono inviluppando tutte le condizioni di carico prese in considerazione.

In fase di verifica è stato differenziato l'elemento trave dall'elemento pilastro. Nell'elemento trave le armature sono disposte in modo
asimmetrico, mentre nei pilastri sono sempre disposte simmetricamente.

Per l'elemento trave, l'armatura si determina suddividendola in cinque conci in cui l'armatura si mantiene costante, valutando per tali conci le massime aree di armatura superiore ed inferiore richieste in base ai momenti massimi riscontrati nelle varie combinazioni di carico esaminate. Lo stesso criterio è stato adottato per il calcolo delle staffe.

Anche l'elemento pilastro viene scomposto in cinque conci in cui l'armatura si mantiene costante. Vengono però riportate le armature massime richieste nella metà superiore (testa) e inferiore (piede).

La fondazione su travi rovesce è risolta contemporaneamente alla sovrastruttura tenendo in conto sia la rigidezza flettente che quella torcente, utilizzando per l'analisi agli elementi finiti l'elemento asta su suolo elastico alla *Winkler*.

Le travate possono incrociarsi con angoli qualsiasi e avere dei disassamenti rispetto ai pilastri su cui si appoggiano.

La ripartizione dei carichi, data la natura matriciale del calcolo, tiene automaticamente conto della rigidezza relativa delle varie travate
convergenti su ogni nodo.

Le verifiche per gli elementi bidimensionali (setti) vengono effettuate sovrapponendo lo stato tensionale del comportamento a lastra e di quello a piastra. Vengono calcolate le armature delle due facce dell'elemento bidimensionale disponendo i ferri in due direzioni ortogonali.

- **DIMENSIONAMENTO MINIMO DELLE ARMATURE.**

Per il calcolo delle armature sono stati rispettati i minimi di legge di seguito riportati:

TRAVI:

Area minima delle staffe pari a 1.5*b mmq/ml, essendo b lo spessore minimo dell'anima misurato in mm, con passo non maggiore di 0,8 dell'altezza utile e con un minimo di 3 staffe al metro. In prossimità degli appoggi o di carichi concentrati per una lunghezza pari all' altezza utile della sezione, il passo minimo sarà 12 volte il diametro minimo dell'armatura longitudinale.

Armatura longitudinale in zona tesa ≥ 0,15% della sezione di calcestruzzo. Alle estremità è disposta una armatura inferiore minima che possa assorbire, allo stato limite ultimo, uno sforzo di trazione uguale al taglio.

In zona sismica, nelle zone critiche il passo staffe è non superiore al minimo di:

- un quarto dell'altezza utile della sezione trasversale;
- 175 mm e 225 mm, rispettivamente per CDA e CDB;
- 6 volte e 8 volte il diametro minimo delle barre longitudinali considerate ai fini delle verifiche, rispettivamente per CDA e CDB;
- 24 volte il diametro delle armature trasversali.

Le zone critiche si estendono, per CDB e CDA, per una lunghezza pari rispettivamente a 1 e 1,5 volte l'altezza della sezione della trave, misurata a partire dalla faccia del nodo trave-pilastro. Nelle zone critiche della trave il rapporto fra l'armatura compressa e quella tesa è maggiore o uguale a 0,5.

PILASTRI:

Armatura longitudinale compresa fra 0,3% e 4% della sezione effettiva e non minore di 0,10*Ned/fyd;

Barre longitudinali con diametro ≥ 12 mm;

Diametro staffe ≥ 6 mm e comunque ≥ 1/4 del diametro max delle barre longitudinali, con interasse non maggiore di 30 cm.

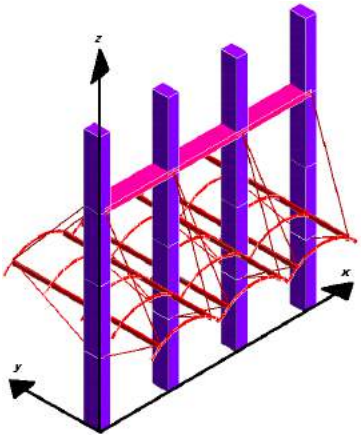
In zona sismica l'armatura longitudinale è almeno pari all'1% della sezione effettiva; il passo delle staffe di contenimento è non superiore alla più piccola delle quantità seguenti:

- 1/3 e 1/2 del lato minore della sezione trasversale, rispettivamente per CDA e CDB;
- 125 mm e 175 mm, rispettivamente per CDA e CDB;
- 6 e 8 volte il diametro delle barre longitudinali che collegano, rispettivamente per CDA e CDB.

- **SISTEMI DI RIFERIMENTO**

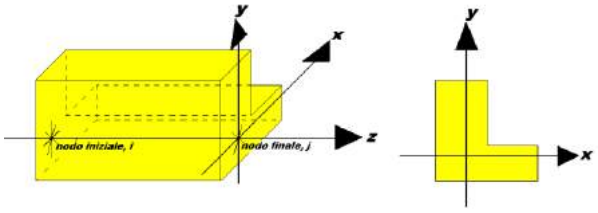
1) SISTEMA GLOBALE DELLA STRUTTURA SPAZIALE

Il sistema di riferimento globale è costituito da una terna destra di assi cartesiani ortogonali (O-XYZ) dove l'asse Z rappresenta l'asse verticale rivolto verso l'alto. Le rotazioni sono considerate positive se concordi con gli assi vettori:



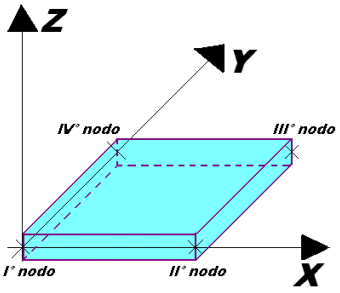
2) SISTEMA LOCALE DELLE ASTE

Il sistema di riferimento locale delle aste, inclinate o meno, è costituito da una terna destra di assi cartesiani ortogonali che ha l'asse Z coincidente con l'asse longitudinale dell'asta ed orientamento dal nodo iniziale al nodo finale, gli assi X ed Y sono orientati come nell'archivio delle sezioni:



3) SISTEMA LOCALE DELL'ELEMENTO SHELL

Il sistema di riferimento locale dell'elemento shell è costituito da una terna destra di assi cartesiani ortogonali che ha l'asse X coincidente con la direzione fra il primo ed il secondo nodo di input, l'asse Y giacente nel piano dello shell e l'asse Z in direzione dello spessore:



- **UNITÀ DI MISURA**

Si adottano le seguenti unità di misura:

[lunghezze]	= m
[forze]	= kgf / daN
[tempo]	= sec
[temperatura]	= °C

- **CONVENZIONI SUI SEGNI**

I carichi agenti sono:

1) Carichi e momenti distribuiti lungo gli assi coordinati;

2) Forze e coppie nodali concentrate sui nodi.

Le forze distribuite sono da ritenersi positive se concordi con il sistema di riferimento locale dell'asta, quelle concentrate sono positive se concordi con il sistema di riferimento globale.

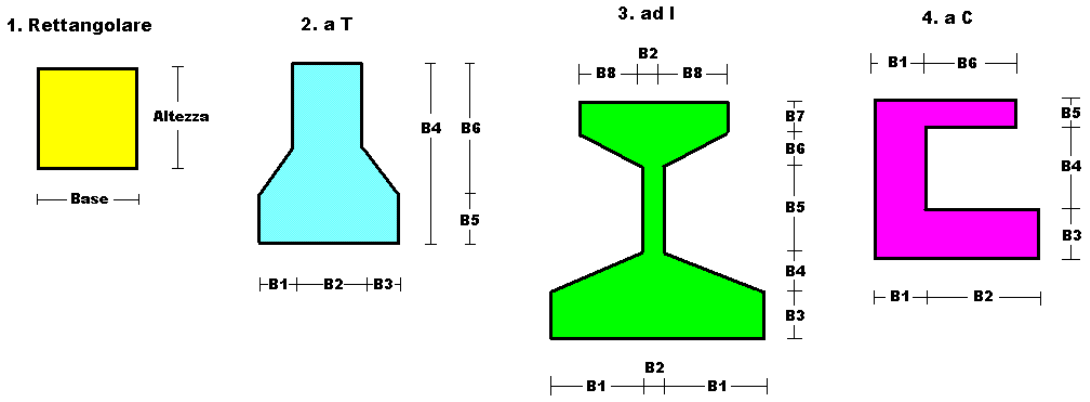
I gradi di libertà nodali sono gli omologhi agli enti forza, e quindi sono definiti positivi se concordi a questi ultimi.

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Le sezioni delle aste in c.a.o. riportate nel seguito sono state raggruppate per tipologia. Le tipologie disponibili sono le seguenti:

1) *RETTANGOLARE*
2) *a T*
3) *ad I*
4) *a C*
5) *CIRCOLARE*
6) *POLIGONALE*

Nelle tabelle sono usate alcune sigle il cui significato è spiegato dagli schemi riportati in appresso:



Per quanto attiene alla tipologia poligonale le diciture V1, V2, …, V10 individuano i vertici della sezione descritta per coordinate.

In coda alle presenti stampe viene riportata la tabellina riassuntiva delle caratteristiche statiche delle sezioni in parola in termini di area, momenti di inerzia baricentrici rispetto all'asse X ed Y (Ixg ed Iyg) e momento d'inerzia polare (Ip).

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta appresso la spiegazione delle sigle usate nella tabella caratteristiche statiche dei profili e caratteristiche materiali.

Sez.	:	*Numero d'archivio della sezione*
U	:	*Perimetro bagnato per metro di sezione*
P	:	*Peso per unità di lunghezza*
A	:	*Area della sezione*
Ax	:	*Area a taglio in direzione X*
Ay	:	*Area a taglio in direzione Y*
Jx	:	*Momento d'inerzia rispetto all'asse X*
Jy	:	*Momento d'inerzia rispetto all'asse Y*
Jt	:	*Momento d'inerzia torsionale*
Wx	:	*Modulo di resistenza a flessione, asse X*
Wy	:	*Modulo di resistenza a flessione, asse Y*
Wt	:	*Modulo di resistenza a torsione*
ix	:	*Raggio d'inerzia relativo all'asse X*
iy	:	*Raggio d'inerzia relativo all'asse Y*
sver	:	*Coefficiente per verifica a svergolamento (h/(b*t))*
E	:	*Modulo di elasticità normale*
G	:	*Modulo di elasticità tangenziale*
lambda	:	*Valore massimo della snellezza*
Tipo Acciaio	:	*Tipo di acciaio*
Tipo verifica	:	*EvitaVerif : non esegue verifica* *NoVerCompr : verifica solo aste tese* *Completa : verifica completa*
gamma	:	*peso specifico del materiale*
Lungh/SpLim	:	*Rapporto fra la lunghezza dell'asta e lo spostamento limite*
Tipo profilatura	:	*a freddo/a caldo (Dato valido solo per tipologie tubolari)*
Wx Plast.	:	*Modulo di resistenza plastica in direzione X*
Wy Plast.	:	*Modulo di resistenza plastica in direzione Y*
Wt Plast.	:	*Modulo di resistenza plastica torsionale*
Ax Plast.	:	*Area a taglio plastica direzione X*
Ay Plast.	:	*Area a taglio plastica direzione Y*
Iw	:	*Costante di ingobbamento (momento di inerzia settoriale)*
Num.Rit.Tors	:	*Numero di ritegni torsionali*

Per Norma 1996 valgono anche le seguenti sigle:

s_{amm}	:	*Tensione ammissibile*
fe	:	*Tipo di acciaio (1 = Fe360; 2 = Fe430; 3 = Fe510)*
Ω	:	*Prospetto per i coefficienti* **Ω** *(1 = a; 2 = b; 3 = c; 4 = d – Per le sezioni in legno: 5 = latifoglie dure; 6=conifere)*
Caric. estra	:	*Coefficiente per carico estradossato per la verifica allo svergolamento*
E.lim.	:	*Eccentricità limite per evitare la verifica allo svergolamento*
Coeff.'ni'	:	*Coefficiente "ni"*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa dell'archivio shell.

Sezione N.ro : *Numero identificativo dell'archivio sezioni (dal numero 601 in poi)*

Spessore : *Spessore dell'elemento*

Base foro : *Base di un eventuale foro sull'elemento (zero nel caso in cui il foro non sia presente)*

Altezza foro : *Altezza di un eventuale foro sull'elemento (zero nel caso in cui il foro non sia presente)*

Codice : *Codice identificativo della posizione del foro (1 = al centro; 0 = qualunque posizione)*

Ascissa foro : *Ascissa dello spigolo inferiore sinistro del foro*

Ordinata foro : *Ordinata dello spigolo inferiore sinistro del foro*

Tipo mater. : *Numero di archivio dei materiali shell*

Tipo elem. : *Schematizzazione dell'elemento a livello di calcolo:*

0 *= Lastra – Piastra*
1 *= Lastra*
2 *= Piastra*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta appresso la spiegazione delle sigle usate nelle tabelle riassuntive dei criteri di progetto per le aste in elevazione, per quelle di fondazione, per i pilastri e per i setti.

Crit.N.ro : *Numero indicativo del criterio di progetto*
Elem. : *Tipo di elemento strutturale*
%Rig.Tors. : *Percentuale di rigidezza torsionale*
Mod. E : *Modulo di elasticità normale*
Poisson : *Coefficiente di Poisson*
Sgmc : *Tensione massima di esercizio del calcestruzzo*
tauc0 : *Tensione tangenziale minima*
tauc1 : *Tensione tangenziale massima*
Sgmf : *Tensione massima di esercizio dell'acciaio*
Om. : *Coefficiente di omogeneizzazione*
Gamma : *Peso specifico del materiale*
Copristaffa : *Distanza tra il lembo esterno della staffa ed il lembo esterno della sezione in calcestruzzo*
Fi min. : *Diametro minimo utilizzabile per le armature longitudinali*
Fi st. : *Diametro delle staffe*
Lar. st. : *Larghezza massima delle staffe*
Psc : *Passo di scansione per i diagrammi delle caratteristiche*
Pos.pol. : *Numero di posizioni delle armature per la verifica di sezioni poligonali*
D arm. : *Passo di incremento dell'armatura per la verifica di sezioni poligonali*
Iteraz. : *Numero massimo di iterazioni per la verifica di sezioni poligonali*
Def. Tag. : *Deformabilità a taglio (si, no)*
%Scorr.Staf. : *Percentuale di scorrimento da far assorbire alle staffe*
P.max staffe : *Passo massimo delle staffe*
P.min.staffe : *Passo minimo delle staffe*
tMt min. : *Tensione di torsione minima al di sotto del quale non si arma a torsione*
Ferri parete : *Presenza di ferri di parete a taglio*
Ecc.lim. : *Eccentricità M/N limite oltre la quale la verifica viene effettuata a flessione pura*
Tipo ver. : *Tipo di verifica (0 = solo Mx; 1 = Mx e My separate; 2 = deviata)*
Fl.rett. : *Flessione retta forzata per sezioni dissimmetriche ma simmetrizzabili (0 = no; 1 = si)*
Den.X pos. : *Denominatore della quantità q*l*l per determinare il momento Mx minimo per la copertura del diagramma positivo*
Den.X neg. : *Denominatore della quantità q*l*l per determinare il momento Mx minimo per la copertura del diagramma negativo*
Den.Y pos. : *Denominatore della quantità q*l*l per determinare il momento My minimo per la copertura del diagramma positivo*
Den.Y neg. : *Denominatore della quantità q*l*l per determinare il momento My minimo per la copertura del diagramma negativo*
%Mag.car. : *Percentuale di maggiorazione dei carichi statici della prima combinazione di carico*
%Rid.Plas : *Rapporto tra i momenti sull'estremo della trave M*(ij)/M(ij), dove:*
- M(ij)=Momento DOPO la ridistribuzione plastica*
- M(ij)=Momento PRIMA della ridistribuzione plastica
Linear. : *Coefficiente descrittivo del comportamento dell'asta:*
1 = comportamento lineare sia a trazione che a compressione
2 = comportamento non lineare sia a trazione che a compressione.
3 = comportamento lineare solo a trazione.
4 = comportamento non lineare solo a trazione.
5 = comportamento lineare solo a compressione.
6 = comportamento non lineare solo a compressione.
Appesi : *Flag di disposizione del carico sull'asta (1 = appeso, cioè applicato all'intradosso; 0 = non appeso, cioè applicato all'estradosso)*
Min. T/sigma : *Verifica minimo T/sigma (1 = si; 0 = no)*
Verif.Alette : *Verifica alette travi di fondazione (1 = si; 0 = no)*

Kwinkl. : *Costante di sottofondo del terreno*

Si riporta appresso la spiegazione delle sigle usate nelle tabelle riassuntive dei criteri di progetto per le verifiche agli stati limite.

Cri.Nro	:	*Numero identificativo del criterio di progetto*
Tipo Elem.	:	*Tipo di elemento: trave di elevazione, trave di fondazione, pilastro, setto, setto elastico ("SHela")*
fck	:	*Resistenza caratteristica del calcestruzzo*
fcd	:	*Resistenza di calcolo del calcestruzzo*
rcd	:	*Resistenza di calcolo a flessione del calcestruzzo (massimo del diagramma parabola rettangolo)*
fyk	:	*Resistenza caratteristica dell'acciaio*
fyd	:	*Resistenza di calcolo dell'acciaio*
Ey	:	*Modulo elastico dell'acciaio*
ec0	:	*Deformazione limite del calcestruzzo in campo elastico*
ecu	:	*Deformazione ultima del calcestruzzo*
eyu	:	*Deformazione ultima dell'acciaio*
Ac/At	:	*Rapporto dell'incremento fra l'armatura compressa e quella tesa*
Mt/Mtu	:	*Rapporto fra il momento torcente di calcolo e il momento torcente resistente ultimo del calcestruzzo al di sotto del quale non si arma a torsione*
Wra	:	*Ampiezza limite della fessura per combinazioni rare*
Wfr	:	*Ampiezza limite della fessura per combinazioni frequenti*
Wpe	:	*Ampiezza limite della fessura per combinazioni permanenti*
σc **Rara**	:	*Sigma massima del calcestruzzo per combinazioni rare*
σc **Perm**	:	*Sigma massima del calcestruzzo per combinazioni permanenti*
σf **Rara**	:	*Sigma massima dell'acciaio per combinazioni rare*
SpRar	:	*Rapporto fra la lunghezza dell'elemento e lo spostamento massimo per combinazioni rare*
SpPer	:	*Rapporto fra la lunghezza dell'elemento e lo spostamento massimo per combinazioni permanenti*
Coef.Visc.:	:	*Coefficiente di viscosità*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito il significato delle simbologie usate nelle tabelle di stampa dei dati di input dei fili fissi:

- Filo : Numero del filo fisso in pianta.

- Ascissa : Ascissa.

- Ordinata : Ordinata.

Si riporta di seguito il significato delle simbologie usate nelle tabelle di stampa dei dati di input delle quote di piano:

- Quota : Numero identificativo della quota del piano.

- Altezza : Altezza dallo spiccato di fondazione.

- Tipologia : Le tipologie previste sono due:

0 = Piano sismico, ovvero piano che è sede di massa, sia strutturale che portata, che deve essere considerata ai fini del calcolo sismico. Tutti i nodi a questa quota hanno gli spostamenti orizzontali legati dalla relazione di impalcato rigido.

1 = Interpiano, ovvero quota intermedia che ha rilevanza ai fini della geometria strutturale ma la cui massa non viene considerata a questa quota ai fini sismici. I nodi a questa quota hanno spostamenti orizzontali indipendenti.

SPECIFICHE CAMPI TABELLA DI STAMPA

Si riporta appresso la spiegazione delle sigle usate nel tabulato di stampa dei dati di input dei pilastri.

Filo : *Numero del filo fisso in pianta su cui insiste il pilastro*

Sez. : *Numero di archivio della sezione del pilastro*

Tipologia : *Descrive le seguenti grandezze:*

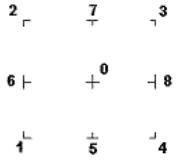
a) La forma attraverso le sigle 'Rett.'=rettangolare; 'a T'; 'ad I'; 'a C'; 'Circ.=circolare; 'Polig.'=poligonale

b) Gli ingombri in X ed Y nel sistema di riferimento locale della sezione. Nel caso di sezioni rettangolari questi ingombri coincidono con base ed altezza

Magrone : *Larghezza del magrone di fondazione. Se presente individua ai fini del calcolo un'asta su suolo alla Winkler*

Ang. : *Angolo di rotazione della sezione. L'angolo e' positivo se antiorario*

Codice : *Individua il posizionamento del filo fisso nella sezione. Per la sezione rettangolare valgono i seguenti codici di spigolo:*



Il codice zero, che è inizialmente associato al centro pilastro, permette anche degli scostamenti imposti esplicitamente del filo fisso dal centro del pilastro

dx : *Scostamento filo fisso - centro pilastro lungo l'asse X in pianta*

dy : *Scostamento filo fisso - centro pilastro lungo l'asse Y in pianta*

Crit.N.ro : *Numero identificativo del criterio di progetto associato al pilastro*

Tipo Elemento *Tipo elemento ai fini sismici:*

Le sigle sotto riportate hanno il significato appresso specificato:

-"Secondario NTC18":si intende un elemento pilastro secondario ai sensi della NTC2018, che non viene inserito nel modello sismico ed a cui vengono applicate le verifiche di duttilità.

-"NoGerarchia": si intende un elemento pilastro non appartenente ad un meccanismo dissipativo e in cui non è applicabile la gerarchia delle resistenze(esempio pilastro meshato interno a pareti)

Nel caso di vincoli particolari (situazione diversa dal doppio incastro), segue un'ulteriore tabulato relativo ai vincoli, le cui sigle hanno il seguente significato:

Codice: Codice sintetico identificativo del tipo di vincolo secondo la codifica appresso riportata:
I = incastro; **K** = appoggio scorrevole; **C** = cerniera sferica; **E** = esplicito; **CF** = cerniera flessionale.

Il reale funzionamento dei vincoli (da intendersi come vincoli interni tra asta e nodo) è esplicitato dai successivi dati:

Tx, Ty, Tz : *Valori delle rigidezze alla traslazione imposte al nodo in esame. Il valore -1 indica per convenzione che quella particolare traslazione mutua tra pilastro e nodo è impedita (ovvero la traslazione assoluta del nodo e dell'estremo del pilastro è la medesima), mentre lo 0 indica che non vi è continuità tra tali elementi ai fini di tale traslazione reciproca (ovvero la traslazione assoluta del nodo e dell'estremo del pilastro sono diverse ed indipendenti). Invece un valore maggiore di zero equivale ad una sconnessione fra il nodo e l'estremo del pilastro (traslazioni assolute diverse), ma sul nodo agirà una forza, nella direzione della sconnessione inserita, di valore pari alla rigidezza per la variazione di spostamento. Se infine viene inserito un valore compreso fra -1 (incastrato) e 0 (libero) (fattore di connessione) il programma trasforma in automatico tale numero in una rigidezza esplicita. Gli assi X e Y sono quelli del riferimento locale della sezione, mentre Z è parallelo all'asse del pilastro.*

Rx, Ry, Rz : *Valori delle rigidezze alla rotazione imposte al nodo in esame. Il valore -1 indica per convenzione che quella particolare rotazione mutua tra pilastro e nodo è impedita (ovvero la rotazione assoluta del nodo e dell'estremo del pilastro è la medesima), mentre lo 0 indica che*

non vi è continuità tra tali elementi ai fini di tale rotazione reciproca (ovvero la rotazione assoluta del nodo e dell'estremo del pilastro sono diverse ed indipendenti). Invece un valore maggiore di zero equivale ad una sconnessione fra il nodo e l'estremo dell'asta (rotazioni assolute diverse), ma sul nodo agirà un momento nella direzione della sconnessione inserita di valore pari alla rigidezza per la variazione di rotazione. Se viene inserito un valore compreso fra –1 (incastrato) e 0 (libero) (fattore di connessione) il programma trasforma in automatico tale numero in una rigidezza esplicita. Gli assi X e Y sono quelli del riferimento locale della sezione, mentre Z è parallelo all'asse del pilastro.

╗ SPECIFICHE CAMPI TABELLA DI STAMPA

Si riporta appresso la spiegazione delle sigle usate nel tabulato di stampa dei dati di input delle travi:

Trave : *Numero identificativo della trave alla quota in esame*

Sez. : *Numero di archivio della sezione della trave. Se il numero sezione è superiore a 600, si tratta di setto di altezza pari all'interpiano e di cui nei successivi dati viene specificato il solo spessore*

Base x Alt. : *Ingombri in X ed Y nel sistema di riferimento locale della sezione. Nel caso di sezioni rettangolari questi ingombri coincidono con base ed altezza*

Magrone : *Larghezza del magrone di fondazione. Se presente individua ai fini del calcolo un'asta su suolo alla Winkler*

Ang. : *Angolo di rotazione della sezione attorno all'asse*

Filo in. : *Numero del filo fisso iniziale della trave*

Filo fin. : *Numero del filo fisso finale della trave*

Quota in. : *Quota dell'estremo iniziale della trave*

Quota fin. : *Quota dell'estremo finale della trave*

dx in : *Scostamento in direzione X del punto iniziale dell'asse della trave dal filo fisso iniziale di riferimento*

dx f : *Scostamento in direzione X del punto finale dell'asse della trave dal filo fisso finale di riferimento*

dy in : *Scostamento in direzione Y del punto iniziale dell'asse della trave dal filo fisso iniziale di riferimento*

dy f : *Scostamento in direzione Y del punto finale dell'asse della trave dal filo fisso finale di riferimento*

Pann. : *Carico sulla trave dovuto a pannelli di solai.*

Tamp. : *Carico sulla trave dovuto a tamponature*

Ball. : *Carico sulla trave dovuto a ballatoi*

Espl. : *Carico sulla trave imposto dal progettista*

Tot. : *Totale dei carichi verticali precedenti*

Torc. : *Momento torcente distribuito agente sulla trave imposto dal progettista*

Orizz. : *Carico orizzontale distribuito agente sulla trave imposto dal progettista*

Assia. : *Carico assiale distribuito agente sulla trave imposto dal progettista*

Ali. : *Aliquota media pesata dei carichi accidentali per la determinazione della massa sismica*

Crit.N.ro : *Numero identificativo del criterio di progetto associato alla trave*

Tipo Elemento *Tipo elemento ai fini sismici:*
Le sigle sotto riportate hanno il significato appresso specificato:
-"Secondario NTC18":si intende un elemento asta secondario ai sensi della NTC2018, che non viene inserito nel modello sismico ed a cui vengono applicate le verifiche di duttilità.
-"NoGerarchia": si intende un elemento asta non appartenente ad un meccanismo dissipativo e in cui non è applicabile la gerarchia delle resistenze(esempio aste meshate interne a pareti o piastre o travi inclinate)

Nel caso di vincoli particolari (situazione diversa dal doppio incastro), segue un'ulteriore tabulato relativo ai vincoli, le cui sigle hanno il seguente significato:

Codice: Codice sintetico identificativo del tipo di vincolo secondo la codifica appresso riportata:
I = incastro; **K** = appoggio scorrevole; **C** = cerniera sferica; **E** = esplicito; **CF** = cerniera flessionale.

Il reale funzionamento dei vincoli (da intendersi come vincoli interni tra asta e nodo) è esplicitato dai successivi dati:

Tx, Ty, Tz : *Valori delle rigidezze alla traslazione imposte al nodo in esame. Il valore -1 indica per convenzione che quella particolare traslazione mutua tra trave e nodo è impedita (ovvero la traslazione assoluta del nodo e dell'estremo dell'asta è la medesima), mentre lo 0 indica che non vi è continuità tra tali elementi ai fini di tale traslazione reciproca (ovvero la traslazione assoluta del nodo e dell'estremo dell'asta sono diverse ed indipendenti). Invece un valore maggiore di zero equivale ad una sconnessione fra il nodo e l'estremo dell'asta (traslazioni assolute diverse), ma sul nodo agirà una forza, nella direzione della sconnessione inserita, di valore pari alla rigidezza per la variazione di spostamento. Se infine viene inserito un valore compreso fra -1 (incastrato) e 0 (libero), fattore di connessione, il programma trasforma in automatico tale numero in una rigidezza esplicita. Gli assi X e Y sono quelli del riferimento locale della sezione, mentre Z è parallelo all'asse della trave.*

Rx, Ry, Rz : *Valori delle rigidezze alla rotazione imposte al nodo in esame. Il valore -1 indica per convenzione che quella particolare rotazione mutua tra trave e nodo è impedita (ovvero la rotazione assoluta del nodo e dell'estremo dell'asta è la medesima), mentre lo 0 indica che non vi è continuità tra tali elementi ai fini di tale rotazione reciproca (ovvero la rotazione assoluta del nodo e dell'estremo dell'asta sono diverse ed indipendenti). Invece un valore maggiore di zero equivale ad una sconnessione fra il nodo e l'estremo dell'asta (rotazioni assolute diverse), ma sul nodo agirà un momento, nella direzione della sconnessione inserita, di valore pari alla rigidezza per la variazione di rotazione. Se viene inserito un valore compreso fra -1 (incastrato) e 0 (libero), fattore di connessione, il programma trasforma in automatico tale numero in una rigidezza esplicita. Gli assi X e Y sono quelli del riferimento locale della sezione, mentre Z è parallelo all'asse della trave.*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta di seguito la spiegazione delle sigle usate nella tabella di stampa dell'input piastre.

Piastra N.ro : *Numero identificativo della piastra in esame*

Filo 1 : *Numero del filo fisso su cui è stato posto il primo spigolo della piastra*

Filo 2 : *Numero del filo fisso su cui è stato posto il secondo spigolo della piastra*

Filo 3 : *Numero del filo fisso su cui è stato posto il terzo spigolo della piastra*

Filo 4 : *Numero del filo fisso su cui è stato posto il quarto spigolo della piastra*

Tipo carico : *Numero di archivio delle tipologie di carico*

Quota filo 1 : *Quota dello spigolo della piastra inserito in corrispondenza del primo filo fisso*

Quota filo 2 : *Quota dello spigolo della piastra inserito in corrispondenza del secondo filo fisso*

Quota filo 3 : *Quota dello spigolo della piastra inserito in corrispondenza del terzo filo fisso*

Quota filo 4 : *Quota dello spigolo della piastra inserito in corrispondenza del quarto filo fisso*

Tipo sezione : *Numero identificativo della sezione della piastra*

Spessore : *Spessore della piastra*

Kwinkler : *Costante di Winkler del terreno su cui poggia la piastra (zero nel caso di piastre in elevazione)*

Tipo mater. : *Numero di archivio dei materiali shell*

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta appresso la spiegazione delle sigle usate nel tabulato di stampa dei carichi e vincoli nodali.

Filo : *Numero identificativo del filo fisso*

Quo N. : *Numero identificativo della quota di riferimento secondo la codifica dell'input quote*

D.Quo. : *Delta quota, ovvero scostamento della quota del nodo dalla quota di riferimento*

P. Sis : *Piano sismico di appartenenza del nodo in esame. È possibile avere più piani sismici alla stessa quota di impalcato*

Codi : *Codice sintetico identificativo del tipo di vincolo secondo la codifica appresso riportata:*

I *= Incastro*
A *= Automatico*
C *= Cerniera sferica*
E *= Esplicito*

Il vincolo di tipo 'A', cioè' automatico, corrisponde ad un tipo di vincolo scelto dal programma in funzione delle varie situazioni strutturali riscontrate. Per valutare quale tipo di vincolo è stato imposto da CDSWin in questi casi è necessario riferirsi ai dati delle successive colonne della presente tabella di stampa

Tx, Ty, Tz : *Valori delle rigidezze alla traslazione imposte al nodo in esame. Il valore -1 indica per convenzione che quella particolare traslazione è impedita, mentre lo 0 indica che non ha alcun vincolo*

Rx, Ry, Rz : *Valori delle rigidezze alla rotazione imposte al nodo in esame. Il valore -1 indica per convenzione che quella particolare rotazione è impedita, mentre lo 0 indica che non ha alcun vincolo*

Fx, Fy, Fz : *Valori delle forze concentrate applicate al nodo in esame*

Mx, My, Mz : *Valori delle coppie concentrate applicate al nodo in esame*

ARCHIVIO SEZIONI ASTE IN C.A.O.

Tipologia Rettangolare					Tipologia Rettangolare			
Sez. N.ro	Base (cm)	Altezza (cm)	Magrone (cm)		Sez. N.ro	Base (cm)	Altezza (cm)	Magrone (cm)
1	30,0	30,0	0,0		2	30,0	40,0	0,0
3	30,0	50,0	0,0		4	30,0	60,0	0,0
5	40,0	24,0	0,0		7	40,0	60,0	0,0
10	50,0	50,0	0,0		25	30,0	70,0	0,0
26	30,0	24,0	0,0		27	24,0	24,0	0,0
28	220,0	20,0	0,0		29	20,0	50,0	0,0
30	20,0	180,0	0,0		31	40,0	85,0	0,0
32	70,0	24,0	0,0		33	60,0	24,0	0,0

ARCHIVIO SEZIONI ASTE IN C.A.O.

Tipologia Circolare				Tipologia Circolare				Tipologia Circolare		
Sez. N.ro	Raggio (cm)	Magrone (cm)		Sez. N.ro	Raggio (cm)	Magrone (cm)		Sez. N.ro	Raggio (cm)	Magrone (cm)
22	20,0	0,0								

ARCHIVIO SEZIONI ASTE IN C.A.O.

CARATTERISTICHE STATICHE DELLE SEZIONI IN C.A.O.				
Sez. N.ro	Area (cm2)	Ixg (cm4)	Iyg (cm4)	Ip (cm4)
1	900	67500	67500	135000
2	1200	160000	90000	250000
3	1500	312500	112500	425000
4	1800	540000	135000	675000
5	960	46080	128000	174080
7	2400	720000	320000	1040000
10	2500	520833	520833	1041667
22	1257	125664	125664	251327
25	2100	857500	157500	1015000
26	720	34560	54000	88560
27	576	27648	27648	55296
28	4400	146667	17746664	17893330
29	1000	208333	33333	241667
30	3600	9720000	120000	9840000
31	3400	2047084	453333	2500417
32	1680	80640	686000	766640
33	1440	69120	432000	501120

ARCHIVIO SEZIONI IN ACCIAIO / LEGNO / PREFABBRICATE

PROFILATI IPE							
Sez. N.ro	Descrizione	h mm	b mm	a mm	e mm	r mm	Mat. N.ro
61	HEA100	96,0	100,0	5,0	8,0	12,0	3
115	HEB260	260,0	260,0	10,0	17,5	24,0	3

ARCHIVIO SEZIONI IN ACCIAIO / LEGNO / PREFABBRICATE

ANGOLARI A LATI DISUGUALI							
Sez. N.ro	Descrizione	l mm	l1 mm	s mm	r mm	r1 mm	Mat. N.ro
361	ANG60*6	60,0	60,0	6,0	8,0	4,0	5

ARCHIVIO SEZIONI IN ACCIAIO / LEGNO / PREFABBRICATE

TUBI A SEZIONE TONDA						TUBI A SEZIONE TONDA				
Sez. N.ro	Descrizione	d mm	s mm	Mat. N.ro		Sez. N.ro	Descrizione	d mm	s mm	Mat. N.ro
1083	TUBO219.1x10	219,1	10,0	1						

ARCHIVIO SEZIONI IN ACCIAIO / LEGNO / PREFABBRICATE

PIATTI UNI						PIATTI UNI				
Sez. N.ro	Descrizione	b mm	s mm	Mat/Tip N.ro		Sez. N.ro	Descrizione	b mm	s mm	Mat/Tip N.ro
916	PL 60*6	60,0	6,0	5						

ARCHIVIO SEZIONI IN ACCIAIO / LEGNO / PREFABBRICATE

CARATTERISTICHE STATICHE DEI PROFILI

Sez. N.ro	U m2/m	P kg/m	A cmq	Ax cmq	Ay cmq	Jx cm4	Jy cm4	Jt cm4	Wx cm3	Wy cm3	Wt cm3	ix cm	iy cm	sver 1/cm
61	0,56	16,7	21,24	10,41	4,21	349,2	133,8	3,7	72,75	26,76	4,68	4,05	2,51	1,20
115	1,50	93,0	118,44	59,68	23,26	14919,5	5134,5	100,4	1147,65	394,96	57,37	11,22	6,58	0,57
361	0,23	5,4	6,91	2,81	2,55	35,8	9,4	0,8	8,43	3,96	1,27	2,28	1,17	0,00
916	0,13	2,8	3,60	2,40	2,40	0,1	10,8	0,4	0,36	3,60	0,72	0,17	1,73	0,00
1083	0,69	51,6	65,69	32,89	32,89	3598,3	3598,3	7196,7	328,46	328,46	656,93	7,40	7,40	0,00

ARCHIVIO SEZIONI IN ACCIAIO / LEGNO / PREFABBRICATE

DATI PER VERIFICHE EUROCODICE

Sez. N.ro	Descrizione	Wx Plastico cm3	Wy Plastico cm3	Wt Plastico cm3	Ax Plastico cm2	Ay Plastico cm2	Iw cm6
61	HEA100	83,01	41,14	7,40	17,24	7,56	2581,3
115	HEB260	1282,92	602,25	90,88	95,94	37,59	753651,1
361	ANG60*6	8,43	3,96	2,05	3,45	3,45	0,0
916	PL 60*6	0,54	5,40	1,08	3,60	3,60	0,0
1083	TUBO219.1x10	437,56	437,56	656,93	41,82	41,82	0,0

ARCHIVIO SEZIONI IN ACCIAIO

CARATTERISTICHE MATERIALE

Mat. N.ro	E kg/cmq	G kg/cmq	lambda max	Tipo Acciaio	Verifica	Gamma kg/mc	Lung/ SpLim	Tipo Profilat.
1	2100000	850000	200,0	S275	Completa	7850	250	a Caldo
3	2100000	850000	200,0	S235	Completa	7850	250	a Freddo
5	2100000	850000	200,0	S355	Completa	7850	250	a Freddo

ARCHIVIO SEZIONI SHELLS

Sezione N.ro	Spessore cm	Tipo Mater.	Tipo Elemento (descrizione)
601	30	1	LASTRA-PIASTRA
602	20	1	LASTRA-PIASTRA
603	30	1	LASTRA-PIASTRA
604	30	1	LASTRA-PIASTRA
605	60	1	LASTRA-PIASTRA
606	80	1	LASTRA-PIASTRA
607	50	1	LASTRA-PIASTRA

ARCHIVIO TIPOLOGIE DI CARICO

Car. N.ro	Peso Strut kg/mq	Perman. NONstru kg/mq	Varia bile kg/mq	Neve kg/mq	Destinaz. d'Uso	Psi 0	Psi 1	Psi 2	Anal Car. N.ro	DESCRIZIONE SINTETICA DEL TIPO DI CARICO
1	305	250	300	0	Categ. C	0,7	0,7	0,6		Solaio 20+4 Tipo
2	305	120	50	80	Categ. H	0,0	0,0	0,0		Solaio 20+4 Copertura
3	305	170	50	80	Categ. H	0,0	0,0	0,0		Solaio 20+4 Cop. Fotov.
4	450	250	400	0	Categ. C	0,7	0,7	0,6		Scale
5	270	0	0	0	Categ. C	0,7	0,7	0,6		Tamponatura
6	375	0	0	0	Categ. C	0,7	0,7	0,6		Parapetto in c.a.
7	300	0	200	0	Categ. C	0,7	0,7	0,6		Solaio 20+4 Telaio Dissipativo
8	140	0	0	0	Categ. C	0,7	0,7	0,6		Tamp+Finestrate

CRITERI DI PROGETTO

IDEN	ASTE ELEVAZIONE														
Crit N.ro	Def Tag	%Scorr Staffe	P max. Staffe	P min. Staffe	τMtmin kg/cmq	Ferri parete	Elim cm	Tipo verif.	Fl. rett	DenX pos.	DenX neg.	DenY pos.	DenY neg.	%Mag car.	%Rid Plas
1	si	100	30	0	3	no	200	Mx	1	0	0	0	0	0	100
6	si	100	33	0	3	no	200	Mx	1	0	0	0	0	0	100

CRITERI DI PROGETTO

IDEN	PILASTRI				IDEN	PILASTRI		
Crit N.ro	Def Tag	τMtmin kg/cmq	Tipo verif.		Crit N.ro	Def Tag	τMtmin kg/cmq	Tipo verif.
3	si	3,0	Dev.		5	si	3,0	Dev.

CRITERI DI PROGETTO

IDENTIF.		CARATTERISTICHE DEL MATERIALE							DURABILITA'			CARATTER.COSTRUTTIVE					FLAG	
Crit N.ro	Elem.	% Rig Tors.	% Rig Fless	Classe CLS	Classe Acciaio	Mod. El kg/cmq	Pois son	Gamma kg/mc	Tipo Ambiente	Tipo Armatura	Toll. Copr.	Copr staf	Copr ferr	Fi min	Fi st	Lun sta	Li n.	App esi
1	ELEV.	4	100	PROV	PROV	252119	0,20	2500	ORDIN. XC1	POCO SENS.	0,00	2,0	3,5	14	8	60	1	0
3	PILAS	60	100	PROV	PROV	255817	0,20	2500	ORDIN. XC1	POCO SENS.	0,00	2,0	3,5	14	8	50	0	

CRITERI DI PROGETTO

IDENTIF.		CARATTERISTICHE DEL MATERIALE							DURABILITA'			CARATTER.COSTRUTTIVE					FLAG	
Crit N.ro	Elem.	% Rig Tors.	% Rig Fless	Classe CLS	Classe Acciaio	Mod. El kg/cmq	Pois son	Gamma kg/mc	Tipo Ambiente	Tipo Armatura	Toll. Copr.	Copr staf	Copr ferr	Fi min	Fi st	Lun sta	Li n.	App esi
5	PILAS	70	100	PROV	PROV	283975	0,20	2500	ORDIN. XC1	POCO SENS.	1,00	2,5	3,9	12	8	50	0	
6	ELEV.	10	100	PROV	PROV	284096	0,20	2500	ORDIN. XC1	POCO SENS.	1,00	2,5	3,9	12	8	50	1	0

CRITERI DI PROGETTO

C R I T E R I P E R I L C A L C O L O A G L I S T A T I L I M I T E U L T I M I E D I E S E R C I Z I O

Cri Nro	Tipo Elem	fck	fcd	rcd	fyk	ftk	fyd	Ey	ec0	ecu	eyu	At/ Ac	Mt/ Mtu	Wra mm	Wfr mm	Wpe mm	σcRar	σcPer	σfRar	Spo Rar	Spo Fre	Spo Per	Coe Vis	euk
		---------- kg/cmq ---- ---------															--- kg/cmq ---							
1	ELEV.	157,0	104,0	157,0	4010	4010	3486	2100000	0,20	0,35	1,00	50	10		0,4	0,3	94,0	70,0	2673				2,0	0,08
3	PILAS	165,0	110,0	165,0	4010	4010	3487	2100000	0,20	0,35	1,00	50	10		0,4	0,3	99,0	74,0	2673				2,0	0,08
5	PILAS	234,0	156,0	156,0	5330	5330	4634	2100000	0,20	0,35	1,00	50	10		0,4	0,3	140,0	105,0	3553				2,0	0,04
6	ELEV.	234,0	156,0	156,0	5330	5330	4634	2100000	0,20	0,35	1,00	50	10		0,4	0,3	140,0	105,0	3553				2,0	0,04

MATERIALI SHELL IN C.A.

IDENT	%	CARATTERISTICHE					DURABILITA'			COPRIFERRO	
Mat. N.ro	Rig Fls	Classe CLS	Classe Acciaio	Mod. E kg/cmq	Pois- son	Gamma kg/mc	Tipo Ambiente	Tipo Armatura	Toll. Copr.	Setti (cm)	Piastre (cm)
1	100	PROV	PROV	255817	0,20	2500	ORDIN. X0	POCO SENS.	0,00	2,0	2,0

MATERIALI SHELL IN C.A.

C R I T E R I P E R I L C A L C O L O A G L I S T A T I L I M I T E U L T I M I E D I E S E R C I Z I O

Cri Nro	Tipo Elem	fck	fcd	rcd	fyk	ftk	fyd	Ey	ec0	ecu	eyu	At/ Ac	Mt/ Mtu	Wra mm	Wfr mm	Wpe mm	σcRar	σcPer	σfRar	Spo Rar	Spo Fre	Spo Per	Coe Vis	euk
		---------- kg/cmq ---- ---------															--- kg/cmq ---							
1	SETTI	165,0	110,0	110,0	3342	3342	2906	2100000	0,20	0,35	1,00	50			0,4	0,3	99,0	74,0	2673					

MATERIALI SETTI CLS DEBOLMENTE ARMATI

IDEN	COMPONENTI			PILASTRINI			TRAVETTE			DATI DI CALCOLO					
Mat. N.ro	Tipo Cassero	Classe CLS	Classe Acc.	Base cm	Altez. cm	Inter. cm	Base cm	Altez. cm	Inter. cm	Sp.Equiv. cm	Gamma Eq. kg/mq	Riduz Mod.G	Riduz Mod.E	Coprif. cm	Strati Armature
2	LegnoBloc	C25/30	B450C	18,80	16,00	22,80	14,00	10,00	25,00	12,00	433,00	2,20	1,00	2,00	1
3	LegnoBloc	C25/30	B450C	18,80	14,00	22,80	14,00	10,00	25,00	10,60	384,00	2,20	1,00	2,00	1
4	LegnoBloc	C25/30	B450C	21,00	18,00	25,00	16,00	10,00	25,00	15,12	488,00	2,20	1,00	2,00	1
5	LegnoBloc	C25/30	B450C	18,00	17,50	25,00	14,00	10,00	25,00	12,60	509,00	2,20	1,00	2,00	1
6	LegnoBloc	C25/30	B450C	18,00	11,00	25,00	14,00	10,00	25,00	7,90	495,00	2,20	1,00	2,00	1
7	LegnoBloc	C25/30	B450C	18,80	12,00	22,80	14,00	10,00	25,00	9,00	316,00	2,20	1,00	2,00	1
8	LegnoBloc	C25/30	B450C	19,50	15,00	25,00	14,00	10,00	25,00	11,70	368,00	2,20	1,00	2,00	1
9	LegnoBloc	C25/30	B450C	19,50	18,00	25,00	14,00	10,00	25,00	14,00	445,00	2,20	1,00	2,00	1
10	LegnoBloc	C25/30	B450C	19,50	21,00	25,00	14,00	10,00	25,00	16,40	511,00	2,20	1,00	2,00	1
11	IsoTEX	C25/30	B450C	20,00	16,00	25,00	12,00	8,00	25,00	12,80	382,00	3,33	3,33	8,00	1
12	IsoTEX	C25/30	B450C	20,00	19,00	25,00	12,00	8,00	25,00	15,20	445,00	3,33	3,33	9,50	1
13	IsoTEX	C25/30	B450C	20,00	15,00	25,00	12,00	8,00	25,00	12,00	694,00	3,33	3,33	7,50	1
14	IsoTEX	C25/30	B450C	20,00	15,00	25,00	12,00	8,00	25,00	12,00	392,00	3,33	3,33	7,50	1
15	IsoTEX	C25/30	B450C	20,00	15,00	25,00	12,00	8,00	25,00	12,00	395,00	3,33	3,33	7,50	1
16	IsoTEX	C25/30	B450C	20,00	15,00	25,00	12,00	8,00	25,00	12,00	400,00	3,33	3,33	7,50	1
17	IsoTEX	C25/30	B450C	20,00	15,00	25,00	10,00	8,00	25,00	12,00	407,00	3,33	3,33	7,50	1
18	IsoTEX	C25/30	B450C	20,00	18,00	25,00	15,00	8,00	25,00	14,40	453,00	3,33	3,33	9,00	1
19	IsoTEX	C25/30	B450C	20,00	19,00	25,00	16,00	8,00	25,00	15,20	475,00	3,33	3,33	9,50	1
20	IsoTEX	C25/30	B450C	20,00	25,00	25,00	20,00	8,00	25,00	20,00	597,00	3,33	3,33	12,50	1
21	IsoTEX	C25/30	B450C	20,00	21,00	25,00	16,00	8,00	25,00	16,80	522,00	3,33	3,33	10,50	1
22	IsoTEX	C25/30	B450C	20,00	18,00	25,00	13,00	8,00	25,00	14,40	465,00	3,33	3,33	9,00	1

CRITERI DI PROGETTO GEOTECNICI - FONDAZIONI SUPERFICIALI E SU PALI

IDEN	CARATTER. MECCANICHE				IDEN	CARATTER. MECCANICHE				IDEN	CARATTER. MECCANICHE		
Crit N.ro	KwVert. kg/cmc	KwOriz. kg/cmc	Qlim. kg/cmq		Crit N.ro	KwVert. kg/cmc	KwOriz. kg/cmc	Qlim. kg/cmq		Crit N.ro	KwVert. kg/cmc	KwOriz. kg/cmc	Qlim. kg/cmq
1	15,00	0,00	Trz/Cmp		2	10,00	0,00	Trz/Cmp					

DATI GENERALI DI STRUTTURA

D A T I G E N E R A L I D I S T R U T T U R A

Massima dimens. dir. X (m)	54,21	Altezza edificio (m)	15,82
Massima dimens. dir. Y (m)	31,85	Differenza temperatura(°C)	15

P A R A M E T R I S I S M I C I

Vita Nominale (Anni)	50	Classe d' Uso	III Cu=1.5
Longitudine Est (Grd)	13,56299	Latitudine Nord (Grd)	42,85665
Categoria Suolo	B	Coeff. Condiz. Topogr.	1,20000
Sistema Costruttivo Dir.1	Utente	Sistema Costruttivo Dir.2	Utente
Regolarita' in Altezza	SI (KR=1)	Regolarita' in Pianta	SI
Direzione Sisma (Grd)	0	Sisma Verticale	ASSENTE
Effetti P/Delta	NO	Quota di Zero Sismico (m)	0,00000
Tipo Intervento	ADEGUAMENTO	Tipo Analisi Sismica	PUSH-OVER
Livello Sicurezza Min. (%)	100		

PARAMETRI SPETTRO ELASTICO - SISMA S.L.V.

Probabilita' Pvr	0,10	Periodo di Ritorno Anni	712,00
Accelerazione Ag/g	0,21	Periodo T'c (sec.)	0,35
Fo	2,49	Fv	1,53
Fattore Stratigrafia'Ss'	1,19	Periodo TB (sec.)	0,16
Periodo TC (sec.)	0,48	Periodo TD (sec.)	2,43

PARAMETRI SISTEMA COSTRUTTIVO ESPLICITO - D I R. 1			
Fattore di comportam 'q'	2,50		
PARAMETRI SISTEMA COSTRUTTIVO ESPLICITO - D I R. 2			
Fattore di comportam 'q'	2,50		
COEFFICIENTI DI SICUREZZA PARZIALI DEI MATERIALI			
Acciaio per carpenteria	1,05	Verif.Instabilita' acciaio:	1,05
Acciaio per CLS armato	1,15	Calcestruzzo CLS armato	1,50
Legno per comb. eccez.	1,00	Legno per comb. fondament.:	1,30
Livello conoscenza	LC2		
FRP Collasso Tipo 'A'	1,10	FRP Delaminazione Tipo 'A'	1,20
FRP Collasso Tipo 'B'	1,25	FRP Delaminazione Tipo 'B'	1,50
FRP Resist. Press/Fless	1,00	FRP Resist. Taglio/Torsione	1,20
FRP Resist. Confinamento	1,10		

DATI GENERALI DI STRUTTURA			
D A T I D I C A L C O L O P E R A Z I O N E N E V E			
Zona Geografica	II	Coefficiente Termico	1,00
Altitudine sito s.l.m. (m)	155	Coefficiente di forma	0,80
Tipo di Esposizione	Normale	Coefficiente di esposizione	1,00
Carico di riferimento kg/mq	100	Carico neve di calcolo kg/mq	80,00
Il calcolo della neve e' effettuato in base al punto 3.4 del D.M. 2018 e relative modifiche e integrazioni riportate nella Circolare del 21/01/2019			

COORDINATE E TIPOLOGIA FILI FISSI

Filo N.ro	Ascissa m	Ordinata m		Filo N.ro	Ascissa m	Ordinata m
1	0,00	18,20		2	6,15	18,20
3	12,30	18,20		4	18,30	18,20
5	24,45	18,20		6	30,40	18,20
7	36,40	18,20		8	42,50	18,20
9	48,65	18,20		10	0,00	12,10
11	6,15	12,10		12	12,30	12,10
13	18,30	12,10		14	24,45	12,10
15	30,40	12,10		16	36,40	12,10
17	42,50	12,10		18	48,65	12,10
19	0,00	6,10		20	6,15	6,10
21	12,30	6,10		22	18,30	6,10
23	24,45	6,10		24	30,40	6,10
25	36,40	6,10		26	42,50	6,10
27	48,65	6,10		28	0,00	0,00
29	6,15	0,00		30	12,30	0,00
31	18,30	0,00		32	24,45	0,00
33	30,40	0,00		34	36,40	0,00
35	42,50	0,00		36	48,65	0,00
37	30,40	24,10		38	36,40	24,10
39	42,50	24,10		40	18,30	24,10
41	18,30	30,30		42	24,45	30,30
43	30,40	30,30		44	36,40	30,30
45	42,50	30,30		46	0,00	-0,40
47	6,15	-0,40		48	12,30	-0,40
49	18,30	-0,40		50	24,45	-0,40
51	30,40	-0,40		52	36,40	-0,40
53	42,50	-0,40		54	48,65	-0,40
55	0,00	18,60		56	6,15	18,60
57	12,30	18,60		58	18,30	18,60
59	24,45	18,60		60	30,40	18,60
61	36,40	18,60		62	42,50	18,60
63	48,65	18,60		64	0,00	19,10
65	6,15	19,10		66	12,30	19,10
67	18,30	19,10		68	24,45	19,10
69	30,40	19,10		70	36,40	19,10
71	42,50	19,10		72	48,65	19,10

COORDINATE E TIPOLOGIA FILI FISSI

Filo N.ro	Ascissa m	Ordinata m		Filo N.ro	Ascissa m	Ordinata m
73	0,00	-0,90		74	6,15	-0,90
75	12,30	-0,90		76	18,30	-0,90
77	24,45	-0,90		78	30,40	-0,90
79	36,40	-0,90		80	42,50	-0,90
81	48,65	-0,90		82	0,00	19,50
83	6,15	19,50		84	12,30	19,50
85	18,30	19,50		86	24,45	19,50
87	30,40	19,50		88	36,40	19,50
89	42,50	19,50		90	48,65	19,50
91	0,00	-1,30		92	6,15	-1,30
93	12,30	-1,30		94	18,30	-1,30
95	24,45	-1,30		96	30,40	-1,30
97	36,40	-1,30		98	42,50	-1,30
99	48,65	-1,30		100	36,40	7,60
101	37,90	7,60		102	37,90	6,10
103	24,45	20,60		104	0,00	2,40
105	0,00	15,80		106	-2,78	15,80
107	-2,78	2,40		108	48,65	2,40
109	48,65	15,80		110	51,43	15,80
111	51,43	2,40		112	0,00	9,10
113	0,00	14,90		114	0,00	2,95
115	-2,37	12,10		116	12,30	4,75
117	18,30	4,75		118	30,40	4,75
119	36,40	4,75		120	14,30	0,70
121	16,30	0,70		122	-2,37	6,10
123	-2,37	9,10		124	32,40	0,70
125	34,40	0,70		126	-2,37	14,90
127	-2,37	2,95		128	15,30	0,70
129	14,30	0,85		130	16,30	0,85
131	33,40	0,70		132	32,40	0,85
133	34,40	0,85		134	12,30	0,85
135	18,30	0,85		136	30,40	0,85
137	36,40	0,85		138	14,50	4,75
139	16,10	4,75		140	48,65	9,10
141	51,02	9,10		142	33,40	0,00
143	51,02	12,10		144	48,65	15,25
145	51,02	15,25		147	51,02	6,10
148	48,65	3,30		149	51,02	3,30
150	-2,77	12,10		151	-2,77	14,90
152	-2,77	6,10		153	-2,77	9,10
154	-2,77	2,95		155	51,42	9,10
156	51,42	12,10		157	51,42	15,25
158	51,42	6,10		159	51,42	3,30
160	15,30	2,95		161	14,50	3,85
162	16,10	3,85		163	14,50	2,95
164	16,10	2,95		165	30,75	0,00
166	36,05	0,00		167	30,75	-1,55
168	36,05	-1,55				

QUOTE PIANI SISMICI ED INTERPIANI

Quota N.ro	Altezza m	Tipologia	IrregTamp XY	IrregTamp Alt.		Quota N.ro	Altezza m	Tipologia	IrregTamp XY	IrregTamp Alt.
0	0,00	Piano Terra				1	1,40	Piano sismico	NO	NO
2	4,84	Piano sismico	NO	NO		3	8,28	Piano sismico	NO	NO
4	11,72	Piano sismico	NO	NO		5	13,42	Interpiano	NO	NO
6	3,12	Interpiano	NO	NO		7	6,65	Interpiano	NO	NO
8	10,00	Interpiano	NO	NO						

PILASTRI IN C.A. QUOTA 1.4 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
1	4	Rett.	30,00	x	60,00	0,0	0,00	7	0,00	-30,00	3	SismoResist.
2	4	Rett.	30,00	x	60,00	0,0	0,00	7	0,00	-30,00	3	SismoResist.

PILASTRI IN C.A. QUOTA 1.4 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
3	4	Rett.	30,00	x	60,00	0,0	0,00	7	0,00	-30,00	3	SismoResist.
4	4	Rett.	30,00	x	60,00	0,0	0,00	7	0,00	-30,00	3	SismoResist.
5	4	Rett.	30,00	x	60,00	0,0	0,00	7	0,00	-30,00	3	SismoResist.
6	4	Rett.	30,00	x	60,00	0,0	0,00	7	0,00	-30,00	3	SismoResist.
7	10	Rett.	50,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
8	4	Rett.	30,00	x	60,00	0,0	0,00	7	0,00	-30,00	3	SismoResist.
9	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	-30,00	3	SismoResist.
10	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
11	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
12	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
13	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
14	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
15	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
16	10	Rett.	50,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
17	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
18	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
19	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
20	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
21	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
22	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
23	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
24	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
25	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
26	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
27	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
28	4	Rett.	30,00	x	60,00	0,0	0,00	0	0,00	30,00	3	SismoResist.
29	4	Rett.	30,00	x	60,00	0,0	0,00	5	0,00	30,00	3	SismoResist.
30	4	Rett.	30,00	x	60,00	0,0	0,00	5	0,00	30,00	3	SismoResist.
31	4	Rett.	30,00	x	60,00	0,0	0,00	5	0,00	30,00	3	SismoResist.
32	4	Rett.	30,00	x	60,00	0,0	0,00	5	0,00	30,00	3	SismoResist.
33	4	Rett.	30,00	x	60,00	0,0	0,00	5	0,00	30,00	3	SismoResist.
34	4	Rett.	30,00	x	60,00	0,0	0,00	5	0,00	30,00	3	SismoResist.
35	4	Rett.	30,00	x	60,00	0,0	0,00	5	0,00	30,00	3	SismoResist.
36	4	Rett.	30,00	x	60,00	0,0	0,00	5	0,00	30,00	3	SismoResist.
37	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
38	10	Rett.	50,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
39	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
40	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
41	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
42	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
43	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
44	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
45	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
128	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
129	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
130	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
131	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
132	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
133	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
160	30	Rett.	20,00	x	180,00	0,0	90,00	0	0,00	0,00	5	SismoResist.
161	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
162	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
165	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
166	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.

PILASTRI IN C.A. QUOTA 4.84 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
1	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
2	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
3	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
4	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
5	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
6	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
7	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	-20,00	3	SismoResist.
8	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
9	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
10	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
11	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
12	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
13	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
14	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
15	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
16	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
17	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
18	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
19	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
20	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
21	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
22	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
23	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
24	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
25	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
26	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.

PILASTRI IN C.A. QUOTA 4.84 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
27	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
28	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
29	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
30	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
31	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
32	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
33	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
34	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
35	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
36	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
37	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
38	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
39	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
40	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
41	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
42	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
43	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
44	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
45	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
128	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
129	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
130	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
131	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
132	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
133	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
160	30	Rett.	20,00	x	180,00	0,0	90,00	0	0,00	0,00	5	SismoResist.
161	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
162	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
165	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
166	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
167	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
168	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	5	SismoResist.

PILASTRI IN ACCIAIO QUOTA 4.84 m

Filo N.ro	Sez. N.ro	Tipologia	Ang. (Grd)	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
115	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
122	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
123	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
126	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
127	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
141	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
143	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
145	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
147	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
149	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18

PILASTRI IN C.A. QUOTA 8.28 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
1	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
2	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
3	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
4	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
5	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
6	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
7	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
8	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
9	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
10	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
11	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
12	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
13	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
14	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
15	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
16	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
17	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
18	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
19	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
20	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
21	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
22	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
23	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
24	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
25	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
26	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
27	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
28	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
29	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
30	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.

PILASTRI IN C.A. QUOTA 8.28 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
31	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
32	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
33	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
34	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
35	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
36	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
128	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
129	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
130	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
131	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
132	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
133	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
160	30	Rett.	20,00	x	180,00	0,0	90,00	0	0,00	0,00	5	SismoResist.
161	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
162	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
165	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
166	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
167	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
168	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	5	SismoResist.

PILASTRI IN ACCIAIO QUOTA 8.28 m

Filo N.ro	Sez. N.ro	Tipologia	Ang. (Grd)	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
150	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
151	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
152	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
153	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
154	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
155	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
156	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
157	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
158	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
159	61	HEA100	90,00	0,00	0,00	101	Second. NTC18

PILASTRI IN C.A. QUOTA 11.72 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
1	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
2	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
3	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
4	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
5	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
6	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
7	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
8	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
9	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
10	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
11	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
12	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
13	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
14	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
15	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
16	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
17	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
18	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
19	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
20	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
21	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
22	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
23	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
24	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
25	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
26	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
27	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
28	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
29	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
30	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
31	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
32	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
33	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
34	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
35	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
36	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
128	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
129	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
130	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
131	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
132	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
133	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
160	30	Rett.	20,00	x	180,00	0,0	90,00	0	0,00	0,00	5	SismoResist.

PILASTRI IN C.A. QUOTA 11.72 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
161	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
162	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
165	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
166	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
167	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
168	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	5	SismoResist.

PILASTRI IN ACCIAIO QUOTA 11.72 m

Filo N.ro	Sez. N.ro	Tipologia	Ang. (Grd)	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
150	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
151	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
152	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
153	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
154	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
155	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
156	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
157	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
158	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
159	61	HEA100	90,00	0,00	0,00	101	Second. NTC18

PILASTRI IN C.A. QUOTA 13.42 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
21	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
22	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
24	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
25	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
128	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
129	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
130	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
131	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
132	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
133	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.

PILASTRI IN C.A. QUOTA 3.12 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
1	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
2	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
3	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
4	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
5	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
6	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
7	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	-20,00	3	SismoResist.
8	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
9	3	Rett.	30,00	x	50,00	0,0	0,00	7	0,00	-25,00	3	SismoResist.
10	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
11	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
12	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
13	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
14	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
15	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
16	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
17	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
18	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
19	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
20	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
21	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
22	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
23	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
24	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
25	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
26	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
27	3	Rett.	30,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
28	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
29	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
30	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
31	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
32	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
33	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
34	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
35	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
36	3	Rett.	30,00	x	50,00	0,0	0,00	5	0,00	25,00	3	SismoResist.
37	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
38	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
39	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
40	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
41	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.

PILASTRI IN C.A. QUOTA 3.12 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
42	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
43	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
44	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
45	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
128	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
129	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
130	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
131	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
132	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
133	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
160	30	Rett.	20,00	x	180,00	0,0	90,00	0	0,00	0,00	5	SismoResist.
161	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
162	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
165	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
166	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
167	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
168	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	5	SismoResist.

PILASTRI IN ACCIAIO QUOTA 3.12 m

Filo N.ro	Sez. N.ro	Tipologia	Ang. (Grd)	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
115	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
122	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
123	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
126	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
127	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
141	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
143	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
145	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
147	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18
149	1083	TUBO219.1x10	0,00	0,00	0,00	101	Second. NTC18

PILASTRI IN C.A. QUOTA 6.65 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
1	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
2	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
3	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
4	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
5	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
6	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
7	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	-20,00	3	SismoResist.
8	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
9	2	Rett.	30,00	x	40,00	0,0	0,00	7	0,00	-20,00	3	SismoResist.
10	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
11	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
12	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
13	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
14	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
15	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
16	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
17	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
18	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
19	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
20	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
21	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
22	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
23	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
24	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
25	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
26	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
27	2	Rett.	30,00	x	40,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
28	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
29	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
30	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
31	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
32	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
33	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
34	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
35	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
36	2	Rett.	30,00	x	40,00	0,0	0,00	5	0,00	20,00	3	SismoResist.
128	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
129	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
130	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
131	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
132	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
133	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
160	30	Rett.	20,00	x	180,00	0,0	90,00	0	0,00	0,00	5	SismoResist.
161	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
162	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.

PILASTRI IN C.A. QUOTA 6.65 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
165	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
166	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
167	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
168	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	5	SismoResist.

PILASTRI IN ACCIAIO QUOTA 6.65 m

Filo N.ro	Sez. N.ro	Tipologia	Ang. (Grd)	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
150	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
151	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
152	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
153	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
154	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
155	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
156	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
157	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
158	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
159	61	HEA100	90,00	0,00	0,00	101	Second. NTC18

PILASTRI IN C.A. QUOTA 10 m

Filo N.ro	Sez. N.ro	Tipologia (cm)				Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
1	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
2	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
3	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
4	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
5	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
6	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
7	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
8	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
9	1	Rett.	30,00	x	30,00	0,0	0,00	7	0,00	-15,00	3	SismoResist.
10	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
11	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
12	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
13	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
14	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
15	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
16	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
17	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
18	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
19	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
20	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
21	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
22	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
23	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
24	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
25	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
26	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
27	1	Rett.	30,00	x	30,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
28	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
29	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
30	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
31	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
32	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
33	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
34	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
35	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
36	1	Rett.	30,00	x	30,00	0,0	0,00	5	0,00	15,00	3	SismoResist.
128	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
129	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
130	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
131	28	Rett.	220,00	x	20,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
132	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
133	29	Rett.	20,00	x	50,00	0,0	0,00	0	0,00	0,00	3	SismoResist.
160	30	Rett.	20,00	x	180,00	0,0	90,00	0	0,00	0,00	5	SismoResist.
161	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
162	30	Rett.	20,00	x	180,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
165	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
166	31	Rett.	40,00	x	85,00	0,0	0,00	5	0,00	42,50	5	SismoResist.
167	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	5	SismoResist.
168	22	Circ.	40,00	x	40,00	0,0	0,00	0	0,00	0,00	5	SismoResist.

PILASTRI IN ACCIAIO QUOTA 10 m

Filo N.ro	Sez. N.ro	Tipologia	Ang. (Grd)	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
150	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
151	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
152	61	HEA100	90,00	0,00	0,00	101	Second. NTC18

PILASTRI IN ACCIAIO QUOTA 10 m

Filo N.ro	Sez. N.ro	Tipologia	Ang. (Grd)	dx (cm)	dy (cm)	Crit. N.ro	Tipo Elemento ai fini sismici
153	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
154	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
155	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
156	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
157	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
158	61	HEA100	90,00	0,00	0,00	101	Second. NTC18
159	61	HEA100	90,00	0,00	0,00	101	Second. NTC18

TRAVI IN C.A. ALLA QUOTA 1.4 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						CARICHI										
Trav N.ro	Sez. N.ro	Tipo Elem. x il sisma	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann. kg/m	Tamp. kg/m	Ball. kg/m	Espl. kg/m	Tot. kg/m	Torc. kg	Orizz. kg/m	Assial kg/m	Ali %	Cr Nr	Cit Geo
1	25	Tel.SismoRes.	0	1	10	1,40	1,40	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
2	25	Tel.SismoRes.	0	10	19	1,40	1,40	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
3	25	Tel.SismoRes.	0	19	28	1,40	1,40	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
4	25	Tel.SismoRes.	0	2	11	1,40	1,40	0	0	0	0	0	0	5167	0	0	0	5167	0	0	0	60	1	
5	25	Tel.SismoRes.	0	3	12	1,40	1,40	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
6	25	Tel.SismoRes.	0	4	13	1,40	1,40	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
7	25	Tel.SismoRes.	0	5	14	1,40	1,40	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
8	25	Tel.SismoRes.	0	6	15	1,40	1,40	0	0	0	0	0	0	5028	0	0	0	5028	0	0	0	60	1	
9	25	Tel.SismoRes.	0	7	16	1,40	1,40	0	0	0	0	0	0	5059	0	0	0	5059	0	0	0	60	1	
10	25	Tel.SismoRes.	0	8	17	1,40	1,40	0	0	0	0	0	0	5157	0	0	0	5157	0	0	0	60	1	
11	25	Tel.SismoRes.	0	9	18	1,40	1,40	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
12	25	Tel.SismoRes.	0	11	20	1,40	1,40	0	0	0	0	0	0	5167	0	0	0	5167	0	0	0	60	1	
13	25	Tel.SismoRes.	0	12	21	1,40	1,40	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
14	25	Tel.SismoRes.	0	13	22	1,40	1,40	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
15	25	Tel.SismoRes.	0	14	23	1,40	1,40	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
16	25	Tel.SismoRes.	0	15	24	1,40	1,40	0	0	0	0	0	0	5017	0	0	0	5017	0	0	0	60	1	
17	25	Tel.SismoRes.	0	16	100	1,40	1,40	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
18	25	Tel.SismoRes.	0	17	26	1,40	1,40	0	0	0	0	0	0	4985	0	0	0	4985	0	0	0	60	1	
19	25	Tel.SismoRes.	0	18	27	1,40	1,40	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
20	25	Tel.SismoRes.	0	20	29	1,40	1,40	0	0	0	0	0	0	5167	0	0	0	5167	0	0	0	60	1	
21	25	Tel.SismoRes.	0	21	116	1,40	1,40	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
22	25	Tel.SismoRes.	0	22	117	1,40	1,40	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
23	25	Tel.SismoRes.	0	23	32	1,40	1,40	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
24	25	Tel.SismoRes.	0	24	118	1,40	1,40	0	0	0	0	0	0	5017	0	0	0	5017	0	0	0	60	1	
25	5	Tel.SismoRes.	0	138	139	1,40	1,40	0	20	0	0	20	0	0	0	0	0	0	0	0	0	0	1	
26	5	Tel.SismoRes.	0	139	117	1,40	1,40	0	20	0	0	20	0	1988	0	0	0	1988	0	0	0	60	1	
27	25	Tel.SismoRes.	0	27	36	1,40	1,40	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
28	5	Tel.SismoRes.	0	1	2	1,40	1,40	0	-20	0	0	-20	0	0	448	0	0	448	0	0	0	0	1	
29	5	Tel.SismoRes.	0	2	3	1,40	1,40	0	-20	0	0	-20	0	0	448	0	0	448	0	0	0	0	1	
30	5	Tel.SismoRes.	0	3	4	1,40	1,40	0	-20	0	0	-20	0	0	448	0	0	448	0	0	0	0	1	
31	5	Tel.SismoRes.	0	4	5	1,40	1,40	0	-20	0	0	-20	0	0	448	0	0	448	0	0	0	0	1	
32	5	Tel.SismoRes.	0	5	6	1,40	1,40	0	-20	0	0	-20	0	0	448	0	0	448	0	0	0	0	1	
33	5	Tel.SismoRes.	0	6	7	1,40	1,40	0	-20	0	0	-20	0	0	0	0	0	0	0	0	0	0	1	
34	5	Tel.SismoRes.	0	7	8	1,40	1,40	0	-20	0	0	-20	0	0	0	0	0	0	0	0	0	0	1	
35	5	Tel.SismoRes.	0	8	9	1,40	1,40	0	-20	0	0	-20	0	0	448	0	0	448	0	0	0	0	1	
36	5	Tel.SismoRes.	0	28	29	1,40	1,40	0	20	0	0	20	0	0	448	0	0	448	0	0	0	0	1	
37	5	Tel.SismoRes.	0	29	30	1,40	1,40	0	20	0	0	20	0	0	448	0	0	448	0	0	0	0	1	
38	25	Tel.SismoRes.	0	37	6	1,40	1,40	0	0	0	0	0	0	2591	385	0	0	2976	0	0	0	60	1	
39	5	Tel.SismoRes.	0	31	32	1,40	1,40	0	20	0	0	20	0	0	448	0	0	448	0	0	0	0	1	
40	5	Tel.SismoRes.	0	32	33	1,40	1,40	0	20	0	0	20	0	0	448	0	0	448	0	0	0	0	1	
41	25	Tel.SismoRes.	0	43	37	1,40	1,40	0	0	0	0	0	0	2602	385	0	0	2987	0	0	0	60	1	
43	5	Tel.SismoRes.	0	35	36	1,40	1,40	0	20	0	0	20	0	0	448	0	0	448	0	0	0	0	1	
44	25	Tel.SismoRes.	0	38	7	1,40	1,40	0	0	0	0	0	0	5102	0	0	0	5102	0	0	0	60	1	
45	25	Tel.SismoRes.	0	44	38	1,40	1,40	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
46	25	Tel.SismoRes.	0	39	8	1,40	1,40	0	0	0	0	0	0	2634	385	0	0	3019	0	0	0	60	1	
47	25	Tel.SismoRes.	0	45	39	1,40	1,40	0	0	0	0	0	0	2645	385	0	0	3030	0	0	0	60	1	
48	5	Tel.SismoRes.	0	43	44	1,40	1,40	0	-20	0	0	-20	0	0	0	0	0	0	0	0	0	0	1	
49	5	Tel.SismoRes.	0	44	45	1,40	1,40	0	-20	0	0	-20	0	0	0	0	0	0	0	0	0	0	1	
56	5	Tel.SismoRes.	0	116	138	1,40	1,40	0	20	0	0	20	0	0	0	0	0	0	0	0	0	0	1	
57	5	Tel.SismoRes.	0	24	25	1,40	1,40	0	-115	0	0	-115	0	721	0	0	0	721	0	0	0	60	1	
61	25	Tel.SismoRes.	0	116	30	1,40	1,40	0	0	0	0	0	0	2666	0	0	0	2666	0	0	0	60	1	
62	25	Tel.SismoRes.	0	117	31	1,40	1,40	0	0	0	0	0	0	2666	0	0	0	2666	0	0	0	60	1	
64	25	Tel.SismoRes.	0	118	165	1,40	1,40	0	0	0	-35	0	0	2580	0	0	0	2580	0	0	0	60	1	
78	32	Tel.SismoRes.	0	165	142	1,40	1,40	0	25	0	0	25	0	0	0	0	0	0	0	0	0	0	6	
81	32	Tel.SismoRes.	0	142	166	1,40	1,40	0	25	0	0	25	0	0	0	0	0	0	0	0	0	0	6	

TRAVI IN ACCIAIO/LEGNO ALLA QUOTA 1.4 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						CARICHI									
Trav N.ro	Sez. N.ro	Tipo Elemento fini sismici	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann	Tamp	Ball kg / m	Espl	Tot.	Torc kg	Orizz kg / m	Assia	Ali %	Crit N.ro
42	10000	Link Rigido	0	161	163	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
50	10000	Link Rigido	0	163	160	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
59	10000	Link Rigido	0	160	164	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
60	10000	Link Rigido	0	164	162	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
63	10000	Link Rigido	0	129	120	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
65	10000	Link Rigido	0	120	128	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
69	10000	Link Rigido	0	33	165	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
70	10000	Link Rigido	0	132	124	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
71	10000	Link Rigido	0	124	131	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
73	10000	Link Rigido	0	131	125	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
75	10000	Link Rigido	0	166	34	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
76	10000	Link Rigido	0	138	161	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
77	10000	Link Rigido	0	139	162	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
79	10000	Link Rigido	0	131	142	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101

SETTI ALLA QUOTA 1.4 m

		GEOMETRIA			QUOTE		SCOSTAMENTI						CARICHI VERTICALI									PRESSIONI		RINFORZI MUR		
Sett N.ro	Sez N.r	Sp. cm	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann	Tamp	Ball kg / m	Espl	Tot.	Torc kg	Orizz kg / m	Assia	Ali %	Psup. kg/mq	Pinf.	Mat Nro	Ini cm	Fin. cm
51	601	30	100	101	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
52	601	30	101	102	1,40	1,40	0	0	0	0	0	0	2516	0	0	0	2516	0	0	0	60	0	0			
53	601	30	102	26	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
54	603	30	26	35	1,40	1,40	0	0	0	0	0	0	5145	0	0	0	5145	0	0	0	60	0	0			
55	604	30	35	34	1,40	1,40	0	15	0	0	15	0	0	448	0	0	448	0	0	0	0	0	0			
58	603	30	100	25	1,40	1,40	0	0	0	0	0	0	3115	0	0	0	3115	0	0	0	60	0	0			
68	603	30	25	119	1,40	1,40	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	0	0			

SETTI ALLA QUOTA 1.4 m

		GEOMETRIA			QUOTE		SCOSTAMENTI						CARICHI VERTICALI									PRESSIONI		RINFORZI MUR		
Sett N.ro	Sez N.r	Sp. cm	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann	Tamp	Ball kg / m	Espl	Tot.	Torc kg	Orizz kg / m	Assia	Ali %	Psup. kg/mq	Pinf.	Mat Nro	Ini cm	Fin. cm
72	603	30	119	34	1,40	1,40	0	0	0	0	0	0	2645	0	0	0	2645	0	0	0	60	0	0			
80	606	80	165	167	1,40	1,40	-10	0	0	-10	0	0	0	0	0	0	0	0	0	0	0	0	0			
82	605	60	166	168	1,40	1,40	-10	0	0	-10	0	0	0	0	0	0	0	0	0	0	0	0	0			
83	607	50	167	168	1,40	1,40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

TRAVI IN C.A. ALLA QUOTA 4.84 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I											
Trav N.ro	Sez. N.ro	Tipo Elem. x il sisma	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann. kg/m	Tamp. kg/m	Ball. kg/m	Espl. kg/m	Tot. kg/m	Torc. kg	Orizz. kg/m	Assial kg/m	Ali %	Cr Nr	Cit Geo
1	25	Tel.SismoRes.	0	55	1	4,84	4,84	0	0	0	0	0	0	2666	448	0	0	3114	0	0	0	60	1	
3	25	Tel.SismoRes.	0	19	114	4,84	4,84	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
4	25	Tel.SismoRes.	0	56	2	4,84	4,84	0	0	0	0	0	0	2666	448	0	0	3114	0	0	0	60	1	
5	25	Tel.SismoRes.	0	57	3	4,84	4,84	0	0	0	0	0	0	2602	448	0	0	3050	0	0	0	60	1	
6	25	Tel.SismoRes.	0	58	4	4,84	4,84	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
7	25	Tel.SismoRes.	0	59	5	4,84	4,84	0	20	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
8	25	Tel.SismoRes.	0	6	15	4,84	4,84	0	0	0	0	0	0	5028	0	0	0	5028	0	0	0	60	1	
9	25	Tel.SismoRes.	0	7	16	4,84	4,84	0	0	0	0	0	0	5059	0	0	0	5059	0	0	0	60	1	
10	25	Tel.SismoRes.	0	62	8	4,84	4,84	0	0	0	0	0	0	4165	448	0	0	4613	0	0	0	42	1	
11	25	Tel.SismoRes.	0	63	9	4,84	4,84	0	0	0	0	0	0	2666	448	0	0	3114	0	0	0	60	1	
12	25	Tel.SismoRes.	0	11	20	4,84	4,84	0	0	0	0	0	0	5167	0	0	0	5167	0	0	0	60	1	
13	25	Tel.SismoRes.	0	12	21	4,84	4,84	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
14	25	Tel.SismoRes.	0	13	22	4,84	4,84	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
15	25	Tel.SismoRes.	0	14	23	4,84	4,84	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
16	25	Tel.SismoRes.	0	15	24	4,84	4,84	0	0	0	0	0	0	5017	0	0	0	5017	0	0	0	60	1	
17	25	Tel.SismoRes.	0	16	25	4,84	4,84	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
18	25	Tel.SismoRes.	0	17	26	4,84	4,84	0	0	0	0	0	0	5145	0	0	0	5145	0	0	0	60	1	
19	25	Tel.SismoRes.	0	18	140	4,84	4,84	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
20	25	Tel.SismoRes.	0	20	29	4,84	4,84	0	0	0	0	0	0	5167	0	0	0	5167	0	0	0	60	1	
21	25	Tel.SismoRes.	0	21	116	4,84	4,84	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
22	25	Tel.SismoRes.	0	22	117	4,84	4,84	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
23	25	Tel.SismoRes.	0	23	32	4,84	4,84	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
24	25	Tel.SismoRes.	0	24	118	4,84	4,84	0	0	0	0	0	0	5017	0	0	0	5017	0	0	0	60	1	
25	25	Tel.SismoRes.	0	25	119	4,84	4,84	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
26	25	Tel.SismoRes.	0	26	35	4,84	4,84	0	0	0	0	0	0	5145	0	0	0	5145	0	0	0	60	1	
27	25	Tel.SismoRes.	0	27	148	4,84	4,84	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
28	5	Tel.SismoRes.	0	55	56	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
29	5	Tel.SismoRes.	0	2	3	4,84	4,84	0	-20	0	0	-20	0	0	448	0	0	448	0	0	0	0	1	
30	5	Tel.SismoRes.	0	57	58	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
31	5	Tel.SismoRes.	0	58	59	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
32	5	Tel.SismoRes.	0	59	60	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
33	5	Tel.SismoRes.	0	60	61	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
34	5	Tel.SismoRes.	0	7	8	4,84	4,84	0	-20	0	0	-20	0	0	448	0	0	448	0	0	0	0	1	
35	5	Tel.SismoRes.	0	62	63	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
36	5	Tel.SismoRes.	0	46	47	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
37	5	Tel.SismoRes.	0	47	48	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
38	5	Tel.SismoRes.	0	49	50	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
39	5	Tel.SismoRes.	0	50	51	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
40	5	Tel.SismoRes.	0	52	53	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
41	5	Tel.SismoRes.	0	53	54	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
42	25	Tel.SismoRes.	0	41	40	4,84	4,84	0	0	0	0	0	0	0	0	1453	0	1453	0	0	0	0	1	
43	25	Tel.SismoRes.	0	41	42	4,84	4,84	0	-15	0	0	-15	0	0	0	815	0	815	0	0	0	0	1	
44	25	Tel.SismoRes.	0	60	6	4,84	4,84	0	0	0	0	0	0	4919	0	0	0	4919	0	0	0	60	1	
45	25	Tel.SismoRes.	0	61	7	4,84	4,84	0	0	0	0	0	0	4344	448	0	0	4792	0	0	0	42	1	
46	25	Tel.SismoRes.	0	39	62	4,84	4,84	0	0	0	0	0	0	1685	0	0	0	1685	0	0	0	0	1	
47	5	Tel.SismoRes.	0	43	44	4,84	4,84	0	-20	0	0	-20	0	0	0	0	0	0	0	0	0	0	1	
48	5	Tel.SismoRes.	0	44	45	4,84	4,84	0	-20	0	0	-20	0	0	0	0	0	0	0	0	0	0	1	
49	25	Tel.SismoRes.	0	42	43	4,84	4,84	0	-15	0	0	-15	0	0	0	794	0	794	0	0	0	0	1	
50	25	Tel.SismoRes.	0	40	58	4,84	4,84	0	0	0	0	0	0	604	0	925	0	1529	0	0	0	0	1	
51	25	Tel.SismoRes.	0	43	37	4,84	4,84	0	0	0	0	0	0	1619	0	1453	0	3072	0	0	0	0	1	
52	25	Tel.SismoRes.	0	37	60	4,84	4,84	0	0	0	0	0	0	2203	0	925	0	3127	0	0	0	0	1	
53	25	Tel.SismoRes.	0	44	38	4,84	4,84	0	0	0	0	0	0	3266	0	0	0	3266	0	0	0	0	1	
54	25	Tel.SismoRes.	0	38	61	4,84	4,84	0	0	0	0	0	0	3266	0	0	0	3266	0	0	0	0	1	
55	25	Tel.SismoRes.	0	45	39	4,84	4,84	0	0	0	0	0	0	1685	0	0	0	1685	0	0	0	0	1	
56	25	Tel.SismoRes.	0	1	105	4,84	4,84	0	0	0	0	0	0	2666	448	0	0	3114	0	0	0	60	1	
57	25	Tel.SismoRes.	0	2	11	4,84	4,84	0	0	0	0	0	0	5167	0	0	0	5167	0	0	0	60	1	
58	25	Tel.SismoRes.	0	3	12	4,84	4,84	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
59	25	Tel.SismoRes.	0	4	13	4,84	4,84	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
60	25	Tel.SismoRes.	0	5	14	4,84	4,84	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
61	25	Tel.SismoRes.	0	8	17	4,84	4,84	0	0	0	0	0	0	5157	0	0	0	5157	0	0	0	60	1	
62	25	Tel.SismoRes.	0	9	109	4,84	4,84	0	0	0	0	0	0	2666	448	0	0	3114	0	0	0	60	1	
63	25	Tel.SismoRes.	0	28	46	4,84	4,84	0	0	0	0	0	0	2666	448	0	0	3114	0	0	0	60	1	
64	25	Tel.SismoRes.	0	29	47	4,84	4,84	0	0	0	0	0	0	5167	0	0	0	5167	0	0	0	60	1	
66	25	Tel.SismoRes.	0	31	49	4,84	4,84	0	0	0	0	0	0	2666	448	0	0	3114	0	0	0	60	1	
67	25	Tel.SismoRes.	0	32	50	4,84	4,84	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
68	25	Tel.SismoRes.	0	33	51	4,84	4,84	0	0	0	0	0	0	2580	448	0	0	3028	0	0	0	60	1	
69	25	Tel.SismoRes.	0	34	52	4,84	4,84	0	0	0	0	0	0	2645	448	0	0	3093	0	0	0	60	1	
70	25	Tel.SismoRes.	0	35	53	4,84	4,84	0	0	0	0	0	0	5145	0	0	0	5145	0	0	0	60	1	
71	25	Tel.SismoRes.	0	36	54	4,84	4,84	0	0	0	0	0	0	2666	448	0	0	3114	0	0	0	60	1	
72	25	Tel.SismoRes.	0	103	59	4,84	4,84	0	0	0	0	0	0	3266	0	0	0	3266	0	0	0	0	1	
73	27	Tel.SismoRes.	0	109	110	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
74	27	Tel.SismoRes.	0	107	154	4,84	4,84	0	0	0	-1	0	0	1218	448	0	0	1666	0	0	0	60	1	
75	27	Tel.SismoRes.	0	108	111	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
76	27	Tel.SismoRes.	0	106	105	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
77	27	Tel.SismoRes.	0	110	157	4,84	4,84	0	0	0	1	0	0	1218	448	0	0	1666	0	0	0	60	1	
78	27	Tel.SismoRes.	0	107	104	4,84	4,84	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
79	5	Tel.SismoRes.	0	116	138	4,84	4,84	0	20	0	0	20	0	1988	0	0	0	1988	0	0	0	60	1	
80	5	Tel.SismoRes.	0	24	25	4,84	4,84	0	-115	0	0	-115	0	1454	0	0	0	1454	0	0	0	60	1	
91	27	Tel.SismoRes.	0	151	106	4,84	4,84	-1	0	0	0	0	0	1218	448	0	0	1666	0	0	0	60	1	
92	27	Tel.SismoRes.	0	150	151	4,84	4,84	-1	0	0	-1	0	0	1218	448	0	0	1666	0	0	0	60	1	
93	27	Tel.SismoRes.	0	152	153	4,84	4,84	-1	0	0	-1	0	0	1218	448	0	0	1666	0	0	0	60	1	
94	27	Tel.SismoRes.	0	153	150	4,84	4,84	-1	0	0	-1	0	0	1218	448	0	0	1666	0	0	0	60	1	
95	27	Tel.SismoRes.	0	154	152	4,84	4,84	-1	0	0	-1	0	0	1218	448	0	0	1666	0	0	0	60	1	
96	27	Tel.SismoRes.	0	155	158	4,84	4,84	1	0	0	1	0	0	1218	448	0	0	1666	0	0	0	60	1	
97	27	Tel.SismoRes.	0	156	155	4,84	4,84	1	0	0	1	0	0	1218	448	0	0	1666	0	0	0	60	1	
98	27	Tel.SismoRes.	0	157	156	4,84	4,84	1	0	0	1	0	0	1218	448	0	0	1666	0	0	0	60	1	
99	27	Tel.SismoRes.	0	158	159	4,84	4,84	1	0	0	1	0	0	1218	448	0	0	1666	0	0	0	60	1	
100	27	Tel.SismoRes.	0	159	111	4,84	4,84	1	0	0	0	0	0	1218	448	0	0	1666	0	0	0	60	1	
101	5	Tel.SismoRes.	0	138	139	4,84	4,84	0	20	0	0	20	0	0	0	0	0	0	0	0	0	0	1	
102	5	Tel.SismoRes.	0	139	117	4,84	4,84	0	20	0	0	20	0	1998	0	0	0	1998	0	0	0	60	1	
103	33	Tel.SismoRes.	0	167	168	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
104	32	Tel.SismoRes.	0	165	142	4,84	4,84	0	25	0	0	25	0	0	0	0	0	0	0	0	0	0	6	
105	7	Tel.SismoRes.	0	165	167	4,84	4,84	0	0	0	0	0	0	1305	0	0	0	1305	0	0	0	60	6	
106	7	Tel.SismoRes.	0	166	168	4,84	4,84	0	0	0	0	0	0	1305	0	0	0	1305	0	0	0	60	6	
109	25	Tel.SismoRes.	0	104	28	4,84	4,84	0	0	0	0	0	0	2666	448	0	0	3114	0	0	0	60	1	
110	25	Tel.SismoRes.	0	114	104	4,84	4,84	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
111	25	Tel.SismoRes.	0	112	19	4,84	4,84	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	

TRAVI IN C.A. ALLA QUOTA 4.84 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I										
Trav N.ro	Sez. N.ro	Tipo Elem. x il sisma	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann. kg/m	Tamp. kg/m	Ball. kg/m	Espl. kg/m	Tot. kg/m	Torc. kg	Orizz. kg/m	Assial kg/m	Ali %	Cr Nr	Cit Geo
112	25	Tel.SismoRes.	0	10	112	4,84	4,84	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
113	25	Tel.SismoRes.	0	105	113	4,84	4,84	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
114	25	Tel.SismoRes.	0	113	10	4,84	4,84	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
115	25	Tel.SismoRes.	0	116	30	4,84	4,84	0	0	0	0	0	0	2666	0	0	0	2666	0	0	0	60	1	
116	25	Tel.SismoRes.	0	118	165	4,84	4,84	0	0	0	-35	0	0	2580	0	0	0	2580	0	0	0	60	1	
117	25	Tel.SismoRes.	0	117	31	4,84	4,84	0	0	0	0	0	0	2666	0	0	0	2666	0	0	0	60	1	
118	25	Tel.SismoRes.	0	30	48	4,84	4,84	0	0	0	0	0	0	2666	448	0	0	3114	0	0	0	60	1	
121	25	Tel.SismoRes.	0	119	166	4,84	4,84	0	0	0	35	0	0	2645	0	0	0	2645	0	0	0	60	1	
124	25	Tel.SismoRes.	0	108	36	4,84	4,84	0	0	0	0	0	0	2666	448	0	0	3114	0	0	0	60	1	
125	25	Tel.SismoRes.	0	148	108	4,84	4,84	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
126	25	Tel.SismoRes.	0	140	27	4,84	4,84	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
128	25	Tel.SismoRes.	0	109	144	4,84	4,84	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
129	25	Tel.SismoRes.	0	144	18	4,84	4,84	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
144	32	Tel.SismoRes.	0	142	166	4,84	4,84	0	25	0	0	25	0	0	0	0	0	0	0	0	0	0	6	

TRAVI IN ACCIAIO/LEGNO ALLA QUOTA 4.84 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I									
Trav N.ro	Sez. N.ro	Tipo Elemento fini sismici	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann kg / m	Tamp kg / m	Ball kg / m	Espl kg / m	Tot. kg / m	Torc kg	Orizz kg / m	Assia kg / m	Ali %	Crit N.ro
2	115	Tel.SismoRes.	0	122	152	4,84	4,84	0	0	0	0	0	-24	0	0	0	0	0	0	0	0	0	101
65	115	Tel.SismoRes.	0	126	151	4,84	4,84	0	0	0	0	0	-24	0	0	0	0	0	0	0	0	0	101
81	115	Tel.SismoRes.	0	113	126	4,84	4,84	0	0	-24	0	0	0	0	0	0	0	0	0	0	0	0	101
82	115	Tel.SismoRes.	0	10	115	4,84	4,84	0	0	-24	0	0	0	0	0	0	0	0	0	0	0	0	101
83	115	Tel.SismoRes.	0	112	123	4,84	4,84	0	0	-24	0	0	0	0	0	0	0	0	0	0	0	0	101
84	115	Tel.SismoRes.	0	19	122	4,84	4,84	0	0	-24	0	0	0	0	0	0	0	0	0	0	0	0	101
85	115	Tel.SismoRes.	0	114	127	4,84	4,84	0	0	-24	0	0	0	0	0	0	0	0	0	0	0	0	101
86	115	Tel.SismoRes.	0	155	141	4,84	4,84	0	0	-24	0	0	0	0	0	0	0	0	0	0	0	0	101
87	115	Tel.SismoRes.	0	156	143	4,84	4,84	0	0	-24	0	0	0	0	0	0	0	0	0	0	0	0	101
88	115	Tel.SismoRes.	0	157	145	4,84	4,84	0	0	-24	0	0	0	0	0	0	0	0	0	0	0	0	101
89	115	Tel.SismoRes.	0	158	147	4,84	4,84	0	0	-24	0	0	0	0	0	0	0	0	0	0	0	0	101
90	115	Tel.SismoRes.	0	159	149	4,84	4,84	0	0	-24	0	0	0	0	0	0	0	0	0	0	0	0	101
107	115	Tel.SismoRes.	0	115	150	4,84	4,84	0	0	0	0	0	-24	0	0	0	0	0	0	0	0	0	101
108	115	Tel.SismoRes.	0	141	140	4,84	4,84	0	0	0	0	0	-24	0	0	0	0	0	0	0	0	0	101
119	10000	Link Rigido	0	132	124	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
120	115	Tel.SismoRes.	0	123	153	4,84	4,84	0	0	0	0	0	-24	0	0	0	0	0	0	0	0	0	101
122	115	Tel.SismoRes.	0	147	27	4,84	4,84	0	0	0	0	0	-24	0	0	0	0	0	0	0	0	0	101
123	115	Tel.SismoRes.	0	149	148	4,84	4,84	0	0	0	0	0	-24	0	0	0	0	0	0	0	0	0	101
127	115	Tel.SismoRes.	0	143	18	4,84	4,84	0	0	0	0	0	-24	0	0	0	0	0	0	0	0	0	101
130	10000	Link Rigido	0	124	131	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
131	10000	Link Rigido	0	131	125	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
132	10000	Link Rigido	0	125	133	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
133	115	Tel.SismoRes.	0	145	144	4,84	4,84	0	0	0	0	0	-24	0	0	0	0	0	0	0	0	0	101
134	10000	Link Rigido	0	138	161	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
135	10000	Link Rigido	0	161	163	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
136	10000	Link Rigido	0	163	160	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
137	10000	Link Rigido	0	160	164	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
138	10000	Link Rigido	0	164	162	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
139	10000	Link Rigido	0	162	139	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
140	10000	Link Rigido	0	129	120	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
141	10000	Link Rigido	0	120	128	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
142	10000	Link Rigido	0	128	121	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
143	10000	Link Rigido	0	121	130	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
145	10000	Link Rigido	0	131	142	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
146	10000	Link Rigido	0	33	165	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
147	10000	Link Rigido	0	166	34	4,84	4,84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
148	115	Tel.SismoRes.	0	127	154	4,84	4,84	0	0	0	0	0	-24	0	0	0	0	0	0	0	0	0	101

TRAVI IN C.A. ALLA QUOTA 8.28 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I										
Trav N.ro	Sez. N.ro	Tipo Elem. x il sisma	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann. kg/m	Tamp. kg/m	Ball. kg/m	Espl. kg/m	Tot. kg/m	Torc. kg	Orizz. kg/m	Assial kg/m	Ali %	Cr Nr	Cit Geo
1	25	Tel.SismoRes.	0	64	1	8,28	8,28	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
2	25	Tel.SismoRes.	0	10	19	8,28	8,28	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
3	25	Tel.SismoRes.	0	19	104	8,28	8,28	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
4	25	Tel.SismoRes.	0	65	2	8,28	8,28	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
5	25	Tel.SismoRes.	0	66	3	8,28	8,28	0	0	0	0	0	0	2602	385	0	0	2987	0	0	0	60	1	
6	25	Tel.SismoRes.	0	67	4	8,28	8,28	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
7	25	Tel.SismoRes.	0	68	5	8,28	8,28	0	20	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
8	25	Tel.SismoRes.	0	6	15	8,28	8,28	0	0	0	0	0	0	5017	0	0	0	5017	0	0	0	60	1	
9	25	Tel.SismoRes.	0	7	16	8,28	8,28	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
10	25	Tel.SismoRes.	0	71	8	8,28	8,28	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
11	25	Tel.SismoRes.	0	72	9	8,28	8,28	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
12	25	Tel.SismoRes.	0	11	20	8,28	8,28	0	0	0	0	0	0	5167	0	0	0	5167	0	0	0	60	1	
13	25	Tel.SismoRes.	0	12	21	8,28	8,28	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
14	25	Tel.SismoRes.	0	13	22	8,28	8,28	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
15	25	Tel.SismoRes.	0	14	23	8,28	8,28	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
16	25	Tel.SismoRes.	0	15	24	8,28	8,28	0	0	0	0	0	0	5017	0	0	0	5017	0	0	0	60	1	
17	25	Tel.SismoRes.	0	16	25	8,28	8,28	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
18	25	Tel.SismoRes.	0	17	26	8,28	8,28	0	0	0	0	0	0	5145	0	0	0	5145	0	0	0	60	1	
19	25	Tel.SismoRes.	0	18	27	8,28	8,28	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
20	25	Tel.SismoRes.	0	20	29	8,28	8,28	0	0	0	0	0	0	5167	0	0	0	5167	0	0	0	60	1	
21	25	Tel.SismoRes.	0	21	116	8,28	8,28	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
22	25	Tel.SismoRes.	0	22	117	8,28	8,28	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
23	25	Tel.SismoRes.	0	23	32	8,28	8,28	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
24	25	Tel.SismoRes.	0	24	118	8,28	8,28	0	0	0	0	0	0	5017	0	0	0	5017	0	0	0	60	1	
25	25	Tel.SismoRes.	0	25	119	8,28	8,28	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
26	25	Tel.SismoRes.	0	26	35	8,28	8,28	0	0	0	0	0	0	5145	0	0	0	5145	0	0	0	60	1	
27	25	Tel.SismoRes.	0	27	108	8,28	8,28	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
28	5	Tel.SismoRes.	0	64	65	8,28	8,28	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
29	5	Tel.SismoRes.	0	2	3	8,28	8,28	0	-20	0	0	-20	0	0	448	0	0	448	0	0	0	0	1	
30	5	Tel.SismoRes.	0	66	67	8,28	8,28	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
31	5	Tel.SismoRes.	0	67	68	8,28	8,28	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
32	5	Tel.SismoRes.	0	68	69	8,28	8,28	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
33	5	Tel.SismoRes.	0	69	70	8,28	8,28	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
34	5	Tel.SismoRes.	0	7	8	8,28	8,28	0	-20	0	0	-20	0	0	448	0	0	448	0	0	0	0	1	
35	5	Tel.SismoRes.	0	71	72	8,28	8,28	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
36	5	Tel.SismoRes.	0	73	74	8,28	8,28	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
37	5	Tel.SismoRes.	0	74	75	8,28	8,28	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
38	5	Tel.SismoRes.	0	76	77	8,28	8,28	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
39	5	Tel.SismoRes.	0	77	78	8,28	8,28	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
40	5	Tel.SismoRes.	0	79	80	8,28	8,28	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	

TRAVI IN C.A. ALLA QUOTA 8.28 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I										
Trav N.ro	Sez. N.ro	Tipo Elem. x il sisma	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann. kg/m	Tamp. kg/m	Ball. kg/m	Espl. kg/m	Tot. kg/m	Torc. kg	Orizz. kg/m	Assial kg/m	Ali %	Cr Nr	Cit Geo
41	5	Tel.SismoRes.	0	80	81	8,28	8,28	0	0	0	0	0	0	0	448	0	0	448	0	0	0	0	1	
42	25	Tel.SismoRes.	0	6	69	8,28	8,28	0	0	0	0	0	0	5017	0	0	0	5017	0	0	0	60	1	
43	25	Tel.SismoRes.	0	7	70	8,28	8,28	0	0	0	0	0	0	2602	385	0	0	2987	0	0	0	60	1	
44	25	Tel.SismoRes.	0	1	105	8,28	8,28	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
45	25	Tel.SismoRes.	0	2	11	8,28	8,28	0	0	0	0	0	0	5167	0	0	0	5167	0	0	0	60	1	
46	25	Tel.SismoRes.	0	3	12	8,28	8,28	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
47	25	Tel.SismoRes.	0	4	13	8,28	8,28	0	0	0	0	0	0	5103	0	0	0	5103	0	0	0	60	1	
48	25	Tel.SismoRes.	0	5	14	8,28	8,28	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
49	25	Tel.SismoRes.	0	8	17	8,28	8,28	0	0	0	0	0	0	5145	0	0	0	5145	0	0	0	60	1	
50	25	Tel.SismoRes.	0	9	109	8,28	8,28	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
51	25	Tel.SismoRes.	0	28	73	8,28	8,28	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
52	25	Tel.SismoRes.	0	29	74	8,28	8,28	0	0	0	0	0	0	5167	0	0	0	5167	0	0	0	60	1	
53	25	Tel.SismoRes.	0	30	75	8,28	8,28	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
54	25	Tel.SismoRes.	0	31	76	8,28	8,28	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
55	25	Tel.SismoRes.	0	32	77	8,28	8,28	0	0	0	0	0	0	5081	0	0	0	5081	0	0	0	60	1	
56	25	Tel.SismoRes.	0	33	78	8,28	8,28	0	0	0	0	0	0	2580	385	0	0	2965	0	0	0	60	1	
57	25	Tel.SismoRes.	0	34	79	8,28	8,28	0	0	0	0	0	0	2645	385	0	0	3030	0	0	0	60	1	
58	25	Tel.SismoRes.	0	35	80	8,28	8,28	0	0	0	0	0	0	5145	0	0	0	5145	0	0	0	60	1	
59	25	Tel.SismoRes.	0	36	81	8,28	8,28	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
60	5	Tel.SismoRes.	0	116	138	8,28	8,28	0	20	0	0	20	0	1958	0	0	0	1958	0	0	0	60	1	
61	5	Tel.SismoRes.	0	24	25	8,28	8,28	0	-115	0	0	-115	0	1439	0	0	0	1439	0	0	0	60	1	
62	27	Elem.Elastico	0	107	154	8,28	8,28	0	0	0	-1	0	0	1218	385	0	0	1603	0	0	0	60	1	
63	27	Tel.SismoRes.	0	108	111	8,28	8,28	0	0	0	0	0	0	0	385	0	0	385	0	0	0	0	1	
64	27	Tel.SismoRes.	0	109	110	8,28	8,28	0	0	0	0	0	0	0	385	0	0	385	0	0	0	0	1	
65	27	Tel.SismoRes.	0	106	105	8,28	8,28	0	0	0	0	0	0	0	385	0	0	385	0	0	0	0	1	
66	27	Tel.SismoRes.	0	110	157	8,28	8,28	0	0	0	1	0	0	1218	385	0	0	1603	0	0	0	60	1	
67	27	Tel.SismoRes.	0	107	104	8,28	8,28	0	0	0	0	0	0	0	385	0	0	385	0	0	0	0	1	
68	27	Elem.Elastico	0	151	106	8,28	8,28	-1	0	0	0	0	0	1218	385	0	0	1603	0	0	0	60	1	
69	27	Elem.Elastico	0	150	151	8,28	8,28	-1	0	0	-1	0	0	1218	385	0	0	1603	0	0	0	60	1	
70	27	Elem.Elastico	0	152	153	8,28	8,28	-1	0	0	-1	0	0	1218	385	0	0	1603	0	0	0	60	1	
71	27	Elem.Elastico	0	153	150	8,28	8,28	-1	0	0	-1	0	0	1218	385	0	0	1603	0	0	0	60	1	
72	27	Elem.Elastico	0	154	152	8,28	8,28	-1	0	0	-1	0	0	1218	385	0	0	1603	0	0	0	60	1	
73	27	Tel.SismoRes.	0	155	158	8,28	8,28	1	0	0	1	0	0	1218	385	0	0	1603	0	0	0	60	1	
74	27	Tel.SismoRes.	0	156	155	8,28	8,28	1	0	0	1	0	0	1218	385	0	0	1603	0	0	0	60	1	
75	27	Tel.SismoRes.	0	157	156	8,28	8,28	1	0	0	1	0	0	1218	385	0	0	1603	0	0	0	60	1	
76	27	Tel.SismoRes.	0	158	159	8,28	8,28	1	0	0	1	0	0	1218	385	0	0	1603	0	0	0	60	1	
77	27	Tel.SismoRes.	0	159	111	8,28	8,28	1	0	0	0	0	0	1218	385	0	0	1603	0	0	0	60	1	
78	5	Tel.SismoRes.	0	138	139	8,28	8,28	0	20	0	0	20	0	0	0	0	0	0	0	0	0	0	1	
79	5	Tel.SismoRes.	0	139	117	8,28	8,28	0	20	0	0	20	0	1968	0	0	0	1968	0	0	0	60	1	
80	7	Tel.SismoRes.	0	165	167	8,28	8,28	0	0	0	0	0	0	1305	0	0	0	1305	0	0	0	60	6	
81	33	Tel.SismoRes.	0	167	168	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
82	32	Tel.SismoRes.	0	165	142	8,28	8,28	0	25	0	0	25	0	0	0	0	0	0	0	0	0	0	6	
83	7	Tel.SismoRes.	0	166	168	8,28	8,28	0	0	0	0	0	0	1305	0	0	0	1305	0	0	0	60	6	
85	25	Tel.SismoRes.	0	105	10	8,28	8,28	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	
86	25	Tel.SismoRes.	0	104	28	8,28	8,28	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
87	25	Tel.SismoRes.	0	116	30	8,28	8,28	0	0	0	0	0	0	2666	0	0	0	2666	0	0	0	60	1	
88	25	Tel.SismoRes.	0	117	31	8,28	8,28	0	0	0	0	0	0	2666	0	0	0	2666	0	0	0	60	1	
89	25	Tel.SismoRes.	0	118	165	8,28	8,28	0	0	0	-35	0	0	2580	0	0	0	2580	0	0	0	60	1	
92	25	Tel.SismoRes.	0	119	166	8,28	8,28	0	0	0	35	0	0	2645	0	0	0	2645	0	0	0	60	1	
108	32	Tel.SismoRes.	0	142	166	8,28	8,28	0	25	0	0	25	0	0	0	0	0	0	0	0	0	0	1	
109	25	Tel.SismoRes.	0	108	36	8,28	8,28	0	0	0	0	0	0	2666	385	0	0	3051	0	0	0	60	1	
111	25	Tel.SismoRes.	0	109	18	8,28	8,28	0	0	0	0	0	0	3726	0	0	0	3726	0	0	0	60	1	

TRAVI IN ACCIAIO/LEGNO ALLA QUOTA 8.28 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I									
Trav N.ro	Sez. N.ro	Tipo Elemento fini sismici	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann kg / m	Tamp kg / m	Ball kg / m	Espl kg / m	Tot. kg / m	Torc kg	Orizz kg / m	Assia kg / m	Ali %	Crit N.ro
90	10000	Link Rigido	0	138	161	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
91	10000	Link Rigido	0	161	163	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
93	10000	Link Rigido	0	163	160	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
94	10000	Link Rigido	0	160	164	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
95	10000	Link Rigido	0	164	162	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
96	10000	Link Rigido	0	162	139	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
97	10000	Link Rigido	0	129	120	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
98	10000	Link Rigido	0	120	128	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
99	10000	Link Rigido	0	128	121	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
100	10000	Link Rigido	0	121	130	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
101	10000	Link Rigido	0	33	165	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
102	10000	Link Rigido	0	166	34	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
103	10000	Link Rigido	0	132	124	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
104	10000	Link Rigido	0	124	131	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
105	10000	Link Rigido	0	131	125	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
106	10000	Link Rigido	0	125	133	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
107	10000	Link Rigido	0	131	142	8,28	8,28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101

TRAVI IN C.A. ALLA QUOTA 11.72 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I										
Trav N.ro	Sez. N.ro	Tipo Elem. x il sisma	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann. kg/m	Tamp. kg/m	Ball. kg/m	Espl. kg/m	Tot. kg/m	Torc. kg	Orizz. kg/m	Assial kg/m	Ali %	Cr Nr	Cit Geo
1	25	Tel.SismoRes.	0	82	1	11,72	11,72	0	0	0	0	0	0	1860	319	0	0	2178	0	0	0	0	1	
2	25	Tel.SismoRes.	0	10	19	11,72	11,72	0	0	0	0	0	0	2610	0	0	0	2610	0	0	0	0	1	
3	25	Tel.SismoRes.	0	19	104	11,72	11,72	0	0	0	0	0	0	2610	0	0	0	2610	0	0	0	0	1	
4	25	Tel.SismoRes.	0	83	2	11,72	11,72	0	0	0	0	0	0	1860	319	0	0	2178	0	0	0	0	1	
5	25	Tel.SismoRes.	0	84	3	11,72	11,72	0	0	0	0	0	0	1814	319	0	0	2133	0	0	0	0	1	
6	25	Tel.SismoRes.	0	85	4	11,72	11,72	0	0	0	0	0	0	3584	0	0	0	3584	0	0	0	0	1	
7	25	Tel.SismoRes.	0	86	5	11,72	11,72	0	20	0	0	0	0	3569	0	0	0	3569	0	0	0	0	1	
8	25	Tel.SismoRes.	0	6	15	11,72	11,72	0	0	0	0	0	0	3523	0	0	0	3523	0	0	0	0	1	
9	25	Tel.SismoRes.	0	7	16	11,72	11,72	0	0	0	0	0	0	3569	0	0	0	3569	0	0	0	0	1	
10	25	Tel.SismoRes.	0	89	8	11,72	11,72	0	0	0	0	0	0	1860	319	0	0	2178	0	0	0	0	1	
11	25	Tel.SismoRes.	0	90	9	11,72	11,72	0	0	0	0	0	0	1860	319	0	0	2178	0	0	0	0	1	
12	25	Tel.SismoRes.	0	11	20	11,72	11,72	0	0	0	0	0	0	3629	0	0	0	3629	0	0	0	0	1	
13	25	Tel.SismoRes.	0	12	21	11,72	11,72	0	0	0	0	0	0	3584	0	0	0	3584	0	0	0	0	1	
14	25	Tel.SismoRes.	0	13	22	11,72	11,72	0	0	0	0	0	0	3584	0	0	0	3584	0	0	0	0	1	
15	25	Tel.SismoRes.	0	14	23	11,72	11,72	0	0	0	0	0	0	3569	0	0	0	3569	0	0	0	0	1	
16	25	Tel.SismoRes.	0	15	24	11,72	11,72	0	0	0	0	0	0	3523	0	0	0	3523	0	0	0	0	1	
17	25	Tel.SismoRes.	0	16	25	11,72	11,72	0	0	0	0	0	0	3569	0	0	0	3569	0	0	0	0	1	
18	25	Tel.SismoRes.	0	17	26	11,72	11,72	0	0	0	0	0	0	3614	0	0	0	3614	0	0	0	0	1	
19	25	Tel.SismoRes.	0	18	27	11,72	11,72	0	0	0	0	0	0	2610	0	0	0	2610	0	0	0	0	1	
20	25	Tel.SismoRes.	0	20	29	11,72	11,72	0	0	0	0	0	0	3629	0	0	0	3629	0	0	0	0	1	
21	25	Tel.SismoRes.	0	21	116	11,72	11,72	0	0	0	0	0	0	3584	0	0	0	3584	0	0	0	0	1	
22	25	Tel.SismoRes.	0	22	117	11,72	11,72	0	0	0	0	0	0	3584	0	0	0	3584	0	0	0	0	1	
23	25	Tel.SismoRes.	0	23	32	11,72	11,72	0	0	0	0	0	0	3569	0	0	0	3569	0	0	0	0	1	
24	25	Tel.SismoRes.	0	24	118	11,72	11,72	0	0	0	0	0	0	3523	0	0	0	3523	0	0	0	0	1	

TRAVI IN C.A. ALLA QUOTA 11.72 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I										
Trav N.ro	Sez. N.ro	Tipo Elem. x il sisma	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann. kg/m	Tamp. kg/m	Ball. kg/m	Espl. kg/m	Tot. kg/m	Torc. kg	Orizz. kg/m	Assial kg/m	Ali %	Cr Nr	Cit Geo
25	25	Tel.SismoRes.	0	25	119	11,72	11,72	0	0	0	0	0	0	3569	0	0	0	3569	0	0	0	0	1	
26	25	Tel.SismoRes.	0	26	35	11,72	11,72	0	0	0	0	0	0	3614	0	0	0	3614	0	0	0	0	1	
27	25	Tel.SismoRes.	0	27	108	11,72	11,72	0	0	0	0	0	0	2610	0	0	0	2610	0	0	0	0	1	
28	5	Tel.SismoRes.	0	82	83	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
29	5	Tel.SismoRes.	0	2	3	11,72	11,72	0	-20	0	0	-20	0	0	319	0	0	319	0	0	0	0	1	
30	5	Tel.SismoRes.	0	84	85	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
31	5	Tel.SismoRes.	0	85	86	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
32	5	Tel.SismoRes.	0	86	87	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
33	5	Tel.SismoRes.	0	87	88	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
34	5	Tel.SismoRes.	0	7	8	11,72	11,72	0	-20	0	0	-20	0	0	319	0	0	319	0	0	0	0	1	
35	5	Tel.SismoRes.	0	89	90	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
36	5	Tel.SismoRes.	0	91	92	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
37	5	Tel.SismoRes.	0	92	93	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
38	5	Tel.SismoRes.	0	94	95	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
39	5	Tel.SismoRes.	0	95	96	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
40	5	Tel.SismoRes.	0	97	98	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
41	5	Tel.SismoRes.	0	98	99	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
42	25	Tel.SismoRes.	0	87	6	11,72	11,72	0	0	0	0	0	0	3523	0	0	0	3523	0	0	0	0	1	
43	25	Tel.SismoRes.	0	88	7	11,72	11,72	0	0	0	0	0	0	1814	319	0	0	2133	0	0	0	0	1	
44	25	Tel.SismoRes.	0	1	105	11,72	11,72	0	0	0	0	0	0	1860	319	0	0	2178	0	0	0	0	1	
45	25	Tel.SismoRes.	0	2	11	11,72	11,72	0	0	0	0	0	0	3629	0	0	0	3629	0	0	0	0	1	
46	25	Tel.SismoRes.	0	3	12	11,72	11,72	0	0	0	0	0	0	3584	0	0	0	3584	0	0	0	0	1	
47	25	Tel.SismoRes.	0	4	13	11,72	11,72	0	0	0	0	0	0	3584	0	0	0	3584	0	0	0	0	1	
48	25	Tel.SismoRes.	0	5	14	11,72	11,72	0	0	0	0	0	0	3569	0	0	0	3569	0	0	0	0	1	
49	25	Tel.SismoRes.	0	8	17	11,72	11,72	0	0	0	0	0	0	3614	0	0	0	3614	0	0	0	0	1	
50	25	Tel.SismoRes.	0	9	109	11,72	11,72	0	0	0	0	0	0	1860	319	0	0	2178	0	0	0	0	1	
51	25	Tel.SismoRes.	0	28	91	11,72	11,72	0	0	0	0	0	0	1860	319	0	0	2178	0	0	0	0	1	
52	25	Tel.SismoRes.	0	29	92	11,72	11,72	0	0	0	0	0	0	3629	0	0	0	3629	0	0	0	0	1	
53	25	Tel.SismoRes.	0	30	93	11,72	11,72	0	0	0	0	0	0	1860	319	0	0	2178	0	0	0	0	1	
54	25	Tel.SismoRes.	0	31	94	11,72	11,72	0	0	0	0	0	0	1860	319	0	0	2178	0	0	0	0	1	
55	25	Tel.SismoRes.	0	32	95	11,72	11,72	0	0	0	0	0	0	3569	0	0	0	3569	0	0	0	0	1	
56	25	Tel.SismoRes.	0	33	96	11,72	11,72	0	0	0	0	0	0	1799	319	0	0	2118	0	0	0	0	1	
57	25	Tel.SismoRes.	0	34	97	11,72	11,72	0	0	0	0	0	0	1845	319	0	0	2163	0	0	0	0	1	
58	25	Tel.SismoRes.	0	35	98	11,72	11,72	0	0	0	0	0	0	3614	0	0	0	3614	0	0	0	0	1	
59	25	Tel.SismoRes.	0	36	99	11,72	11,72	0	0	0	0	0	0	1860	319	0	0	2178	0	0	0	0	1	
60	27	Tel.SismoRes.	0	109	110	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
61	27	Tel.SismoRes.	0	107	154	11,72	11,72	0	0	0	-1	0	0	840	319	0	0	1159	0	0	0	0	1	
62	27	Tel.SismoRes.	0	108	111	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
63	5	Tel.SismoRes.	0	116	138	11,72	11,72	0	20	0	0	20	0	1968	459	0	0	2427	0	0	0	60	1	
64	5	Tel.SismoRes.	0	24	25	11,72	11,72	0	-115	0	0	-115	0	721	675	0	0	1396	0	0	0	60	1	
65	27	Tel.SismoRes.	0	106	105	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
66	27	Tel.SismoRes.	0	110	157	11,72	11,72	0	0	0	1	0	0	840	319	0	0	1159	0	0	0	0	1	
67	27	Tel.SismoRes.	0	107	104	11,72	11,72	0	0	0	0	0	0	0	319	0	0	319	0	0	0	0	1	
68	27	Tel.SismoRes.	0	151	106	11,72	11,72	-1	0	0	0	0	0	840	319	0	0	1159	0	0	0	0	1	
69	27	Tel.SismoRes.	0	150	151	11,72	11,72	-1	0	0	-1	0	0	840	319	0	0	1159	0	0	0	0	1	
70	27	Tel.SismoRes.	0	152	153	11,72	11,72	-1	0	0	-1	0	0	840	319	0	0	1159	0	0	0	0	1	
71	27	Tel.SismoRes.	0	153	150	11,72	11,72	-1	0	0	-1	0	0	840	319	0	0	1159	0	0	0	0	1	
72	27	Tel.SismoRes.	0	154	152	11,72	11,72	-1	0	0	-1	0	0	840	319	0	0	1159	0	0	0	0	1	
73	27	Tel.SismoRes.	0	155	158	11,72	11,72	1	0	0	1	0	0	840	319	0	0	1159	0	0	0	0	1	
74	27	Tel.SismoRes.	0	156	155	11,72	11,72	1	0	0	1	0	0	840	319	0	0	1159	0	0	0	0	1	
75	27	Tel.SismoRes.	0	157	156	11,72	11,72	1	0	0	1	0	0	840	319	0	0	1159	0	0	0	0	1	
76	27	Tel.SismoRes.	0	158	159	11,72	11,72	1	0	0	1	0	0	840	319	0	0	1159	0	0	0	0	1	
77	27	Tel.SismoRes.	0	159	111	11,72	11,72	1	0	0	0	0	0	840	319	0	0	1159	0	0	0	0	1	
78	5	Tel.SismoRes.	0	138	139	11,72	11,72	0	20	0	0	20	0	0	459	0	0	459	0	0	0	0	1	
79	5	Tel.SismoRes.	0	139	117	11,72	11,72	0	20	0	0	20	0	0	459	0	0	459	0	0	0	0	1	
80	32	Tel.SismoRes.	0	165	142	11,72	11,72	0	25	0	0	25	0	0	0	0	0	0	0	0	0	0	6	
81	7	Tel.SismoRes.	0	165	167	11,72	11,72	0	0	0	0	0	0	1305	0	0	0	1305	0	0	0	60	6	
82	7	Tel.SismoRes.	0	166	168	11,72	11,72	0	0	0	0	0	0	1305	0	0	0	1305	0	0	0	60	6	
83	33	Tel.SismoRes.	0	167	168	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
84	25	Tel.SismoRes.	0	104	28	11,72	11,72	0	0	0	0	0	0	1860	319	0	0	2178	0	0	0	0	1	
85	25	Tel.SismoRes.	0	105	10	11,72	11,72	0	0	0	0	0	0	2610	0	0	0	2610	0	0	0	0	1	
86	25	Tel.SismoRes.	0	116	30	11,72	11,72	0	0	0	0	0	0	1860	459	0	0	2319	0	0	0	0	1	
87	25	Tel.SismoRes.	0	118	165	11,72	11,72	0	0	0	-35	0	0	1799	459	0	0	2258	0	0	0	0	1	
88	25	Tel.SismoRes.	0	117	31	11,72	11,72	0	0	0	0	0	0	1860	459	0	0	2319	0	0	0	0	1	
91	25	Tel.SismoRes.	0	119	166	11,72	11,72	0	0	0	35	0	0	1845	459	0	0	2304	0	0	0	0	1	
94	25	Tel.SismoRes.	0	108	36	11,72	11,72	0	0	0	0	0	0	1860	319	0	0	2178	0	0	0	0	1	
95	25	Tel.SismoRes.	0	109	18	11,72	11,72	0	0	0	0	0	0	2610	0	0	0	2610	0	0	0	0	1	
108	32	Tel.SismoRes.	0	142	166	11,72	11,72	0	25	0	0	25	0	0	0	0	0	0	0	0	0	0	6	

TRAVI IN ACCIAIO/LEGNO ALLA QUOTA 11.72 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I									
Trav N.ro	Sez. N.ro	Tipo Elemento fini sismici	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann kg / m	Tamp kg / m	Ball kg / m	Espl kg / m	Tot. kg / m	Torc kg	Orizz kg / m	Assia kg / m	Ali %	Crit N.ro
89	10000	Link Rigido	0	138	161	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
90	10000	Link Rigido	0	161	163	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
92	10000	Link Rigido	0	163	160	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
93	10000	Link Rigido	0	160	164	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
96	10000	Link Rigido	0	164	162	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
97	10000	Link Rigido	0	162	139	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
98	10000	Link Rigido	0	129	120	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
99	10000	Link Rigido	0	120	128	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
100	10000	Link Rigido	0	128	121	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
101	10000	Link Rigido	0	121	130	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
102	10000	Link Rigido	0	132	124	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
103	10000	Link Rigido	0	124	131	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
104	10000	Link Rigido	0	131	125	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
105	10000	Link Rigido	0	125	133	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
106	10000	Link Rigido	0	131	142	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
107	10000	Link Rigido	0	33	165	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
109	10000	Link Rigido	0	166	34	11,72	11,72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101

TRAVI IN C.A. ALLA QUOTA 13.42 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I										
Trav N.ro	Sez. N.ro	Tipo Elem. x il sisma	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann. kg/m	Tamp. kg/m	Ball. kg/m	Espl. kg/m	Tot. kg/m	Torc. kg	Orizz. kg/m	Assial kg/m	Ali %	Cr Nr	Cit Geo
1	3	Tel.SismoRes.	0	21	22	13,42	13,42	0	0	0	0	0	0	1438	0	0	0	1438	0	0	0	0	1	
2	3	Tel.SismoRes.	0	24	25	13,42	13,42	0	0	0	0	0	0	1438	0	0	0	1438	0	0	0	0	1	
3	2	Tel.SismoRes.	0	134	129	13,42	13,42	0	10	0	0	10	0	1438	0	0	0	1438	0	0	0	0	1	
4	26	Tel.SismoRes.	0	136	24	13,42	13,42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
5	26	Tel.SismoRes.	0	134	21	13,42	13,42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
6	26	Tel.SismoRes.	0	135	22	13,42	13,42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
7	2	Tel.SismoRes.	0	136	132	13,42	13,42	0	10	0	0	10	0	1438	0	0	0	1438	0	0	0	0	1	
8	26	Tel.SismoRes.	0	137	25	13,42	13,42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	

TRAVI IN C.A. ALLA QUOTA 13.42 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I										
Trav N.ro	Sez. N.ro	Tipo Elem. x il sisma	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann. kg/m	Tamp. kg/m	Ball. kg/m	Espl. kg/m	Tot. kg/m	Torc. kg	Orizz. kg/m	Assial kg/m	Ali %	Cr Nr	Cit Geo
9	2	Tel.SismoRes.	0	129	130	13,42	13,42	0	10	0	0	10	0	1438	0	0	0	1438	0	0	0	0	1	
10	2	Tel.SismoRes.	0	132	133	13,42	13,42	0	10	0	0	10	0	1438	0	0	0	1438	0	0	0	0	1	
13	2	Tel.SismoRes.	0	130	135	13,42	13,42	0	10	0	0	10	0	1438	0	0	0	1438	0	0	0	0	1	
18	2	Tel.SismoRes.	0	133	137	13,42	13,42	0	10	0	0	10	0	1438	0	0	0	1438	0	0	0	0	1	

TRAVI IN ACCIAIO/LEGNO ALLA QUOTA 13.42 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I									
Trav N.ro	Sez. N.ro	Tipo Elemento fini sismici	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann kg / m	Tamp kg / m	Ball kg / m	Espl kg / m	Tot. kg / m	Torc kg	Orizz kg / m	Assia kg / m	Ali %	Crit N.ro
11	10000	Link Rigido	0	129	120	13,42	13,42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
12	10000	Link Rigido	0	120	128	13,42	13,42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
14	10000	Link Rigido	0	128	121	13,42	13,42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
15	10000	Link Rigido	0	121	130	13,42	13,42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
16	10000	Link Rigido	0	132	124	13,42	13,42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
17	10000	Link Rigido	0	124	131	13,42	13,42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
19	10000	Link Rigido	0	131	125	13,42	13,42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
20	10000	Link Rigido	0	125	133	13,42	13,42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101

TRAVI IN C.A. ALLA QUOTA 3.12 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I										
Trav N.ro	Sez. N.ro	Tipo Elem. x il sisma	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann. kg/m	Tamp. kg/m	Ball. kg/m	Espl. kg/m	Tot. kg/m	Torc. kg	Orizz. kg/m	Assial kg/m	Ali %	Cr Nr	Cit Geo
1	2	Tel.SismoRes.	0	134	129	3,12	3,12	0	10	0	0	10	0	2186	864	0	0	3050	0	0	0	60	1	
2	2	Tel.SismoRes.	0	129	130	3,12	3,12	0	10	0	0	10	0	0	0	0	0	0	0	0	0	0	1	
3	2	Tel.SismoRes.	0	130	135	3,12	3,12	0	10	0	0	10	0	2186	864	0	0	3050	0	0	0	60	1	
5	2	Tel.SismoRes.	0	132	133	3,12	3,12	0	15	0	0	15	0	0	0	0	0	0	0	0	0	0	1	
6	2	Tel.SismoRes.	0	133	137	3,12	3,12	0	15	0	0	15	0	2164	864	0	0	3028	0	0	0	60	1	
7	2	Tel.SismoRes.	0	136	132	3,12	3,12	0	15	0	0	15	0	2164	864	0	0	3028	0	0	0	60	1	

TRAVI IN ACCIAIO/LEGNO ALLA QUOTA 3.12 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I									
Trav N.ro	Sez. N.ro	Tipo Elemento fini sismici	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann kg / m	Tamp kg / m	Ball kg / m	Espl kg / m	Tot. kg / m	Torc kg	Orizz kg / m	Assia kg / m	Ali %	Crit N.ro
4	10000	Link Rigido	0	160	128	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
8	10000	Link Rigido	0	161	163	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
9	10000	Link Rigido	0	163	160	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
10	10000	Link Rigido	0	160	164	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
11	10000	Link Rigido	0	164	162	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
12	10000	Link Rigido	0	129	120	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
13	10000	Link Rigido	0	120	128	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
14	10000	Link Rigido	0	128	121	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
15	10000	Link Rigido	0	121	130	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
16	10000	Link Rigido	0	33	165	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
17	10000	Link Rigido	0	166	34	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
18	10000	Link Rigido	0	132	124	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
19	10000	Link Rigido	0	124	131	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
20	10000	Link Rigido	0	131	125	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
21	10000	Link Rigido	0	125	133	3,12	3,12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101

TRAVI IN C.A. ALLA QUOTA 6.65 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I										
Trav N.ro	Sez. N.ro	Tipo Elem. x il sisma	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann. kg/m	Tamp. kg/m	Ball. kg/m	Espl. kg/m	Tot. kg/m	Torc. kg	Orizz. kg/m	Assial kg/m	Ali %	Cr Nr	Cit Geo
1	2	Tel.SismoRes.	0	134	129	6,65	6,65	0	15	0	0	15	0	2153	864	0	0	3017	0	0	0	60	1	
2	2	Tel.SismoRes.	0	129	130	6,65	6,65	0	15	0	0	15	0	0	0	0	0	0	0	0	0	0	1	
3	2	Tel.SismoRes.	0	130	135	6,65	6,65	0	15	0	0	15	0	2197	864	0	0	3061	0	0	0	60	1	
4	2	Tel.SismoRes.	0	136	132	6,65	6,65	0	15	0	0	15	0	2153	864	0	0	3017	0	0	0	60	1	
5	2	Tel.SismoRes.	0	132	133	6,65	6,65	0	15	0	0	15	0	0	0	0	0	0	0	0	0	0	1	
6	2	Tel.SismoRes.	0	133	137	6,65	6,65	0	15	0	0	15	0	2197	864	0	0	3061	0	0	0	60	1	

TRAVI IN ACCIAIO/LEGNO ALLA QUOTA 6.65 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I									
Trav N.ro	Sez. N.ro	Tipo Elemento fini sismici	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann kg / m	Tamp kg / m	Ball kg / m	Espl kg / m	Tot. kg / m	Torc kg	Orizz kg / m	Assia kg / m	Ali %	Crit N.ro
7	10000	Link Rigido	0	161	163	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
8	10000	Link Rigido	0	163	160	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
9	10000	Link Rigido	0	160	164	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
10	10000	Link Rigido	0	164	162	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
11	10000	Link Rigido	0	129	120	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
12	10000	Link Rigido	0	120	128	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
13	10000	Link Rigido	0	128	121	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
14	10000	Link Rigido	0	121	130	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
15	10000	Link Rigido	0	33	165	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
16	10000	Link Rigido	0	132	124	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
17	10000	Link Rigido	0	124	131	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
18	10000	Link Rigido	0	131	125	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
19	10000	Link Rigido	0	125	133	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
20	10000	Link Rigido	0	166	34	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
21	10000	Link Rigido	0	160	128	6,65	6,65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101

TRAVI IN C.A. ALLA QUOTA 10 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I										
Trav N.ro	Sez. N.ro	Tipo Elem. x il sisma	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q.fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann. kg/m	Tamp. kg/m	Ball. kg/m	Espl. kg/m	Tot. kg/m	Torc. kg	Orizz. kg/m	Assial kg/m	Ali %	Cr Nr	Cit Geo
1	2	Tel.SismoRes.	0	134	129	10,00	10,00	0	15	0	0	15	0	2164	864	0	0	3028	0	0	0	60	1	
2	2	Tel.SismoRes.	0	129	130	10,00	10,00	0	15	0	0	15	0	0	0	0	0	0	0	0	0	0	1	
3	2	Tel.SismoRes.	0	130	135	10,00	10,00	0	15	0	0	15	0	2164	864	0	0	3028	0	0	0	60	1	
4	2	Tel.SismoRes.	0	136	132	10,00	10,00	0	15	0	0	15	0	2164	464	0	0	2629	0	0	0	60	1	
5	2	Tel.SismoRes.	0	132	133	10,00	10,00	0	15	0	0	15	0	0	0	0	0	0	0	0	0	0	1	
6	2	Tel.SismoRes.	0	133	137	10,00	10,00	0	15	0	0	15	0	2164	864	0	0	3028	0	0	0	60	1	

TRAVI IN ACCIAIO/LEGNO ALLA QUOTA 10 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						C A R I C H I									
Trav N.ro	Sez. N.ro	Tipo Elemento fini sismici	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann kg / m	Tamp kg / m	Ball kg / m	Espl kg / m	Tot. kg / m	Torc kg	Orizz kg / m	Assia kg / m	Ali %	Crit N.ro

TRAVI IN ACCIAIO/LEGNO ALLA QUOTA 10 m

		DATI GENERALI				QUOTE		SCOSTAMENTI						CARICHI									
Trav N.ro	Sez. N.ro	Tipo Elemento fini sismici	Ang Grd	Fil in.	Fil fin	Q in. (m)	Q fin (m)	Dxi cm	Dyi cm	Dzi cm	Dxf cm	Dyf cm	Dzf cm	Pann	Tamp	Ball kg / m	Espl	Tot.	Torc kg	Orizz kg / m	Assia	Ali %	Crit N.ro
7	10000	Link Rigido	0	161	163	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
8	10000	Link Rigido	0	163	160	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
9	10000	Link Rigido	0	160	164	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
10	10000	Link Rigido	0	164	162	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
11	10000	Link Rigido	0	129	120	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
12	10000	Link Rigido	0	120	128	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
13	10000	Link Rigido	0	128	121	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
14	10000	Link Rigido	0	121	130	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
15	10000	Link Rigido	0	33	165	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
16	10000	Link Rigido	0	166	34	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
17	10000	Link Rigido	0	132	124	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
18	10000	Link Rigido	0	124	131	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
19	10000	Link Rigido	0	131	125	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
20	10000	Link Rigido	0	125	133	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
21	10000	Link Rigido	0	160	128	10,00	10,00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101

NODI ALLA QUOTA 0 m

IDENTIFICAZIONE				RIGIDEZZE NODO ESTERNE							CARICHI NODALI CONCENTRATI					
Filo N.ro	Quo N.	D.Quo cm	P. sis	Co di	Tx (t/m)	Ty (t/m)	Tz (t/m)	Rx (t·m)	Ry (t·m)	Rz (t·m)	Fx (t)	Fy (t)	Fz (t)	Mx (t·m)	My (t·m)	Mz (t·m)
25	0	-160	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
26	0	-160	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
34	0	-160	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
35	0	-160	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
100	0	-160	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
101	0	-160	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
102	0	-160	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
119	0	-160	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000

NODI ALLA QUOTA 1.4 m

IDENTIFICAZIONE				RIGIDEZZE NODO ESTERNE							CARICHI NODALI CONCENTRATI					
Filo N.ro	Quo N.	D.Quo cm	P. sis	Co di	Tx (t/m)	Ty (t/m)	Tz (t/m)	Rx (t·m)	Ry (t·m)	Rz (t·m)	Fx (t)	Fy (t)	Fz (t)	Mx (t·m)	My (t·m)	Mz (t·m)
120	1	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
124	1	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
129	1	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
132	1	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000

NODI ALLA QUOTA 4.84 m

IDENTIFICAZIONE				RIGIDEZZE NODO ESTERNE							CARICHI NODALI CONCENTRATI					
Filo N.ro	Quo N.	D.Quo cm	P. sis	Co di	Tx (t/m)	Ty (t/m)	Tz (t/m)	Rx (t·m)	Ry (t·m)	Rz (t·m)	Fx (t)	Fy (t)	Fz (t)	Mx (t·m)	My (t·m)	Mz (t·m)
115	2	-24	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
120	2	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
121	2	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
122	2	-24	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
123	2	-24	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
124	2	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
125	2	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
126	2	-24	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
127	2	-24	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
129	2	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
130	2	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
132	2	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
133	2	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
141	2	-24	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
143	2	-24	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
145	2	-24	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
147	2	-24	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
149	2	-24	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000

NODI ALLA QUOTA 8.28 m

IDENTIFICAZIONE				RIGIDEZZE NODO ESTERNE							CARICHI NODALI CONCENTRATI					
Filo N.ro	Quo N.	D.Quo cm	P. sis	Co di	Tx (t/m)	Ty (t/m)	Tz (t/m)	Rx (t·m)	Ry (t·m)	Rz (t·m)	Fx (t)	Fy (t)	Fz (t)	Mx (t·m)	My (t·m)	Mz (t·m)
120	3	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
121	3	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
124	3	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
125	3	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
129	3	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
130	3	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
132	3	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
133	3	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000

NODI ALLA QUOTA 11.72 m

IDENTIFICAZIONE				RIGIDEZZE NODO ESTERNE							CARICHI NODALI CONCENTRATI					
Filo N.ro	Quo N.	D.Quo cm	P. sis	Co di	Tx (t/m)	Ty (t/m)	Tz (t/m)	Rx (t·m)	Ry (t·m)	Rz (t·m)	Fx (t)	Fy (t)	Fz (t)	Mx (t·m)	My (t·m)	Mz (t·m)
120	4	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
121	4	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
124	4	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
125	4	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
129	4	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
130	4	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
132	4	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
133	4	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000

NODI ALLA QUOTA 13.42 m

IDENTIFICAZIONE				RIGIDEZZE NODO ESTERNE							CARICHI NODALI CONCENTRATI					
Filo N.ro	Quo N.	D.Quo cm	P. sis	Co di	Tx (t/m)	Ty (t/m)	Tz (t/m)	Rx (t·m)	Ry (t·m)	Rz (t·m)	Fx (t)	Fy (t)	Fz (t)	Mx (t·m)	My (t·m)	Mz (t·m)
21	5	80	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
22	5	80	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
24	5	80	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
25	5	80	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000

NODI ALLA QUOTA 3.12 m

IDENTIFICAZIONE				RIGIDEZZE NODO ESTERNE							CARICHI NODALI CONCENTRATI					
Filo	Quo	D.Quo	P.	Co	Tx	Ty	Tz	Rx	Ry	Rz	Fx	Fy	Fz	Mx	My	Mz

N.ro	N.	cm	sis	di	(t/m)	(t/m)	(t/m)	(t·m)	(t·m)	(t·m)	(t)	(t)	(t)	(t·m)	(t·m)	(t·m)
120	6	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
121	6	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
124	6	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
125	6	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
129	6	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
130	6	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
132	6	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
133	6	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
134	6	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
135	6	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
136	6	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
137	6	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000

NODI ALLA QUOTA 6.65 m

IDENTIFICAZIONE					RIGIDEZZE NODO ESTERNE						CARICHI NODALI CONCENTRATI					
Filo N.ro	Quo N.	D.Quo cm	P. sis	Co di	Tx (t/m)	Ty (t/m)	Tz (t/m)	Rx (t·m)	Ry (t·m)	Rz (t·m)	Fx (t)	Fy (t)	Fz (t)	Mx (t·m)	My (t·m)	Mz (t·m)
120	7	86	4	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
121	7	-86	4	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
124	7	86	4	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
125	7	-86	4	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
129	7	81	4	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
130	7	-81	4	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
132	7	81	4	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
133	7	-81	4	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
134	7	81	4	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
135	7	-81	4	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
136	7	81	4	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
137	7	-81	4	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000

NODI ALLA QUOTA 10 m

IDENTIFICAZIONE					RIGIDEZZE NODO ESTERNE						CARICHI NODALI CONCENTRATI					
Filo N.ro	Quo N.	D.Quo cm	P. sis	Co di	Tx (t/m)	Ty (t/m)	Tz (t/m)	Rx (t·m)	Ry (t·m)	Rz (t·m)	Fx (t)	Fy (t)	Fz (t)	Mx (t·m)	My (t·m)	Mz (t·m)
120	8	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
121	8	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
124	8	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
125	8	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
129	8	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
130	8	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
132	8	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
133	8	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
134	8	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
135	8	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
136	8	86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000
137	8	-86	0	A	0	0	0	0	0	0	0,000	0,000	0,000	0,000	0,000	0,000

COMBINAZIONI CARICHI A1 - S.L.V. / S.L.D.

DESCRIZIONI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Peso Strutturale	1,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Perm.Non Strutturale	1,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Var.Amb.affol.	0,60	0,00	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60
Var.Neve h<=1000	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Var.Coperture	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Corr. Tors. dir. 0	0,00	0,00	1,00	-1,00	1,00	-1,00	1,00	-1,00	1,00	-1,00	-1,00	1,00	-1,00	1,00	-1,00
Corr. Tors. dir. 90	0,00	0,00	0,30	0,30	-0,30	-0,30	-0,30	-0,30	0,30	0,30	0,30	0,30	-0,30	-0,30	-0,30
Sisma direz. grd 0	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	-1,00	-1,00	-1,00	-1,00	-1,00
Sisma direz. grd 90	0,00	0,00	0,30	0,30	0,30	0,30	-0,30	-0,30	-0,30	-0,30	0,30	0,30	0,30	0,30	-0,30

COMBINAZIONI CARICHI A1 - S.L.V. / S.L.D.

DESCRIZIONI	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Peso Strutturale	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Perm.Non Strutturale	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Var.Amb.affol.	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60	0,60
Var.Neve h<=1000	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Var.Coperture	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Corr. Tors. dir. 0	1,00	-1,00	1,00	0,30	-0,30	0,30	-0,30	0,30	-0,30	0,30	-0,30	-0,30	0,30	-0,30	0,30
Corr. Tors. dir. 90	-0,30	0,30	0,30	1,00	1,00	-1,00	-1,00	-1,00	-1,00	1,00	1,00	1,00	1,00	-1,00	-1,00
Sisma direz. grd 0	-1,00	-1,00	-1,00	0,30	0,30	0,30	0,30	0,30	0,30	0,30	0,30	-0,30	-0,30	-0,30	-0,30
Sisma direz. grd 90	-0,30	-0,30	-0,30	1,00	1,00	1,00	1,00	-1,00	-1,00	-1,00	-1,00	1,00	1,00	1,00	1,00

COMBINAZIONI CARICHI A1 - S.L.V. / S.L.D.

DESCRIZIONI	31	32	33	34
Peso Strutturale	1,00	1,00	1,00	1,00
Perm.Non Strutturale	1,00	1,00	1,00	1,00
Var.Amb.affol.	0,60	0,60	0,60	0,60
Var.Neve h<=1000	0,00	0,00	0,00	0,00
Var.Coperture	0,00	0,00	0,00	0,00
Corr. Tors. dir. 0	-0,30	0,30	-0,30	0,30
Corr. Tors. dir. 90	-1,00	-1,00	1,00	1,00
Sisma direz. grd 0	-0,30	-0,30	-0,30	-0,30
Sisma direz. grd 90	-1,00	-1,00	-1,00	-1,00

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 1.4 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
2	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
3	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 1.4 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
4	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
5	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
6	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
7	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
8	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
9	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
10	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
11	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
12	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
13	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
14	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
15	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
16	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
17	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
18	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
19	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
20	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
21	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
22	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
23	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
24	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
25	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 1.4 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
26	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
27	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
28	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
29	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
30	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
31	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
32	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
33	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
34	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
35	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
36	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
37	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
38	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
39	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
40	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
41	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
42	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
43	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
44	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
45	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
128	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 1.4 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
129	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
130	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
131	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
132	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
133	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
160	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
161	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
162	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
165	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
166	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 1.4 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
2	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
3	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
4	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
5	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
6	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
7	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
8	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
9	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 1.4 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
10	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
11	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
12	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
13	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
14	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
15	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
16	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
17	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
18	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
19	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
20	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
21	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
22	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
23	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
24	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
25	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
26	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
27	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
28	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
29	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
30	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
31	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 1.4 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
32	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
33	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
34	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
35	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
36	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
37	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
38	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
39	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
40	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
41	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
43	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
44	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
45	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
46	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
47	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
48	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
49	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
54	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
55	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
56	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
57	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 1.4 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
58	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
61	Iniz.	12	6	16	1	10	0	10	8	20	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
62	Iniz.	12	6	16	1	10	0	10	8	20	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
64	Iniz.	12	6	16	1	10	0	10	8	20	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
68	Iniz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	3,1	0,0							
72	Iniz.	12	6	16	1	10	0	10	8	20	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
78	Iniz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Mezz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Finale	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
81	Iniz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Mezz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Finale	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
83	Iniz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Mezz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Finale	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 4.84 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
2	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
3	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
4	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
5	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
6	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
8	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
9	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
10	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
11	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 4.84 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
12	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
13	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
14	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
15	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
17	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
18	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
19	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
20	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
21	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
22	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
23	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
24	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
25	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
26	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
27	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
28	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
29	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
30	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
31	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
32	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
33	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
34	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 4.84 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
35	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
36	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
37	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
39	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
40	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
41	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
42	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
43	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
44	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
45	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
128	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
129	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
130	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
131	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
132	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
133	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
160	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
161	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
162	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
165	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
166	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 4.84 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							

DATI INCAMICIATURE ACC. PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 4.84 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENT.	DATI GENERALI INCAMICIATURA ACCIAIO							INIZIALE - T=Tirantini					CENT	FINALE - T=Tirantini				
Asta Num.	Flg Pre	Ang. N.ro	Angolare Descrizione	Piat N.ro	Piatto Descrizione	RagSmus mm	Coll. %	Lung cm	Pas cm	FiT mm	NumT DirX	NumT DirY	Pass cm	Lung cm	Pas cm	FiT mm	NumT DirX	NumT DirY
11	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
12	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
13	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
14	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
15	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
20	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
21	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
23	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
26	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0

DATI ARMATURE PILASTRI - SEZIONE CIRCOLARE - QUOTA: 4.84 m

ASTE IN C.A. CON SEZIONE CIRCOLARE

IDENTIFICATIVO		ARMATURE DI INPUT				RINFORZO IN FRP						
Asta Num.	Concio	FiFer mm	NFerr Long.	FiSta mm	PsSta cm	Mater Nro	Lungh cm	Rag. mm	Num. Avv.	Nodo Conf	Condiz. Ambient.	SpSol cm
7	Iniz.	16	6	8	8							
	Mezz.											
	Finale	16	6	8	8							
16	Iniz.	16	6	8	8							
	Mezz.											
	Finale	16	6	8	8							
38	Iniz.	16	6	8	8							
	Mezz.											
	Finale	16	6	8	8							
167	Iniz.	14	12	8	10							
	Mezz.											
	Finale	14	12	8	10							
168	Iniz.	14	12	8	10							
	Mezz.											
	Finale	14	12	8	10							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 4.84 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	12	6	16	1	10	3	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	3	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	3	12	8	9	2	2	0,0	0,0							
3	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	3,1	0,0							
	Finale	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
4	Iniz.	12	6	16	1	10	3	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	3	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	3	12	8	9	2	2	0,0	0,0							
5	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
6	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
7	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 4.84 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
8	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
9	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
10	Iniz.	12	6	16	1	10	3	12	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	3	12	8	9	2	2	2,3	0,0							
	Finale	12	6	16	1	10	3	12	8	9	2	2	2,3	0,0							
11	Iniz.	12	6	16	1	10	3	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	3	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	3	12	8	9	2	2	0,0	0,0							
12	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
13	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
14	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
15	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
16	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
17	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
18	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
19	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	3,1	0,0							
	Finale	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
20	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
21	Iniz.	14	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	14	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Finale	14	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
22	Iniz.	14	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	14	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Finale	14	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
23	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
24	Iniz.	14	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Mezz.	14	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Finale	14	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
25	Iniz.	14	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Mezz.	14	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Finale	14	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
26	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
27	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	3,1	0,0							
	Finale	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
28	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 4.84 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
29	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
30	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
31	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
32	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
33	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
34	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
35	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
36	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
37	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
38	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
39	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
40	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
41	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
42	Iniz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
43	Iniz.	12	6	16	1	10	2	12	8	9	2	2	3,1	0,0							
	Mezz.	12	0	16	3	16	2	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
44	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
45	Iniz.	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
46	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
47	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
48	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
49	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	2	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	2	12	8	9	2	2	3,1	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 4.84 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
50	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
51	Iniz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
52	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
53	Iniz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
54	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
55	Iniz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
56	Iniz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Finale	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
57	Iniz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
58	Iniz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
59	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
60	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
61	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
62	Iniz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Finale	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
63	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
64	Iniz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
66	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
67	Iniz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
68	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
69	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
70	Iniz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
71	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 4.84 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
72	Iniz.	12	6	16	1	10	0	12	8	20	2	2	3,1	0,0							
	Mezz.	12	6	16	1	10	0	12	8	20	2	2	3,1	0,0							
	Finale	12	6	16	1	10	0	12	8	20	2	2	3,1	0,0							
74	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
77	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
79	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
80	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
91	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
92	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
93	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
94	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
95	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
96	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
97	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
98	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
99	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
100	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
101	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
102	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
103	Iniz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Mezz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Finale	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
104	Iniz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Mezz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Finale	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
105	Iniz.	14	1	16	1	14	0	10	8	15	2	2	0,9	0,0							
	Mezz.	14	1	16	1	14	0	10	8	15	2	2	0,9	0,0							
	Finale	14	3	16	1	14	0	10	8	15	2	2	0,9	0,0							
106	Iniz.	14	1	16	1	14	0	10	8	15	2	2	0,9	0,0							
	Mezz.	14	1	16	1	14	0	10	8	15	2	2	0,9	0,0							
	Finale	14	3	16	1	14	0	10	8	15	2	2	0,9	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 4.84 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
109	Iniz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
110	Iniz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
111	Iniz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	3,1	0,0							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
112	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	3,1	0,0							
	Finale	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
113	Iniz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
114	Iniz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	3,1	0,0							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
115	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
116	Iniz.	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
117	Iniz.	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
118	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
121	Iniz.	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
124	Iniz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	0	12	8	9	2	2	0,0	0,0							
125	Iniz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
126	Iniz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	3,1	0,0							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
128	Iniz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Mezz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Finale	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
129	Iniz.	12	0	16	3	16	0	12	8	20	2	2	0,0	0,8							
	Mezz.	12	6	16	1	10	0	12	8	9	2	2	3,1	0,0							
	Finale	12	6	16	1	10	0	12	8	9	2	2	2,3	0,0							
144	Iniz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Mezz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Finale	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 8.28 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
2	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
3	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 8.28 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
4	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
5	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
6	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
7	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
8	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
9	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
10	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
11	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
12	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
13	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
14	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
15	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
16	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
17	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
18	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
19	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
20	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
21	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
22	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
23	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
24	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 8.28 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
25	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
26	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
27	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
28	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
29	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
30	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
31	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
32	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
33	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
34	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
35	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
36	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
128	Iniz.	8	4	8	4	8	0	8	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	20	2	2	0,0	0,0							
129	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
130	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
131	Iniz.	8	4	8	4	8	0	8	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	20	2	2	0,0	0,0							
132	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
133	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
160	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
161	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
162	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 8.28 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
165	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
166	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							

DATI INCAMICIATURE ACC. PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 8.28 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENT.	DATI GENERALI INCAMICIATURA ACCIAIO								INIZIALE - T=Tirantini					CENT	FINALE - T=Tirantini				
Asta Num.	Flg Pre	Ang. N.ro	Angolare Descrizione	Piat N.ro	Piatto Descrizione	RagSmus mm	Coll. %		Lung cm	Pas cm	FiT mm	NumT DirX	NumT DirY	Pass cm	Lung cm	Pas cm	FiT mm	NumT DirX	NumT DirY
6	SI	361	ANG60*6	916	PL 60*6	0	0		100	20	8	0	0	20	100	20	8	0	0

DATI ARMATURE PILASTRI - SEZIONE CIRCOLARE - QUOTA: 8.28 m

ASTE IN C.A. CON SEZIONE CIRCOLARE

IDENTIFICATIVO		ARMATURE DI INPUT				RINFORZO IN FRP						
Asta Num.	Concio	FiFer mm	NFerr Long.	FiSta mm	PsSta cm	Mater Nro	Lungh cm	Rag. mm	Num. Avv.	Nodo Conf	Condiz. Ambient.	SpSol cm
167	Iniz.	14	12	8	10							
	Mezz.											
	Finale	14	12	8	10							
168	Iniz.	14	12	8	10							
	Mezz.											
	Finale	14	12	8	10							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 8.28 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	12	6	16	1	10	2	12	8	20	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
2	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
3	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Finale	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
4	Iniz.	12	6	16	1	10	2	12	8	20	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
5	Iniz.	12	6	16	1	10	2	12	8	20	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
6	Iniz.	12	6	16	1	10	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
7	Iniz.	12	6	16	1	10	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
8	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
9	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
10	Iniz.	12	6	16	1	10	2	12	8	20	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 8.28 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
11	Iniz.	12	6	16	1	10	2	12	8	20	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
12	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
13	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
14	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
15	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
16	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
17	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
18	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
19	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
20	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
21	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
22	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
23	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
24	Iniz.	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
25	Iniz.	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
26	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
27	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Finale	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
28	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
29	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
30	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
31	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
32	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 8.28 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
33	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
34	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
35	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
36	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
37	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
38	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
39	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
40	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
41	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
42	Iniz.	12	6	16	1	10	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
43	Iniz.	12	6	16	1	10	2	12	8	20	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
44	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Finale	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
45	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
46	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
47	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
48	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
49	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
50	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Finale	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
51	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	20	2	2	0,0	0,0							
52	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	0	10	8	20	2	2	0,0	0,0							
53	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 8.28 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Finale	12	6	16	1	10	2	12	8	20	2	2	0,0	0,0							
54	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	20	2	2	0,0	0,0							
55	Iniz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	0	10	8	20	2	2	0,0	0,0							
56	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	20	2	2	0,0	0,0							
57	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	20	2	2	0,0	0,0							
58	Iniz.	12	6	16	1	10	1	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	1	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	1	12	8	20	2	2	0,0	0,0							
59	Iniz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Mezz.	12	6	16	1	10	2	12	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	2	12	8	20	2	2	0,0	0,0							
60	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
61	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
62	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
63	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
64	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
65	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
66	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
67	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
68	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
69	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
70	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
71	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
72	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
73	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
74	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 8.28 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
75	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
76	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
77	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
78	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
79	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
80	Iniz.	14	1	16	1	14	0	10	8	15	2	2	0,9	0,0							
	Mezz.	14	1	16	1	14	0	10	8	15	2	2	0,9	0,0							
	Finale	14	3	16	1	14	0	10	8	15	2	2	0,9	0,0							
81	Iniz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Mezz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Finale	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
82	Iniz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Mezz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Finale	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
83	Iniz.	14	1	16	1	14	0	10	8	15	2	2	0,9	0,0							
	Mezz.	14	1	16	1	14	0	10	8	15	2	2	0,9	0,0							
	Finale	14	3	16	1	14	0	10	8	15	2	2	0,9	0,0							
85	Iniz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
86	Iniz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
87	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
88	Iniz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
89	Iniz.	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
92	Iniz.	12	6	16	1	10	2	12	8	9	2	2	2,3	0,0							
	Mezz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
108	Iniz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Mezz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Finale	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
109	Iniz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	0,0	0,0							
111	Iniz.	12	0	16	3	16	0	10	8	20	2	2	0,0	0,8							
	Mezz.	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							
	Finale	12	6	16	1	10	0	10	8	9	2	2	2,3	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 11.72 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
2	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 11.72 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
3	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
4	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
5	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
6	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
7	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
8	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
9	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
10	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
11	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
12	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
13	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
14	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
15	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
16	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
17	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
18	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
19	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
20	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
21	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
22	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
23	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 11.72 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
24	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
25	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
26	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
27	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
28	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
29	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
30	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
31	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
32	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
33	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
34	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
35	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
36	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
128	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
129	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
130	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
131	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
132	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
133	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
160	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
161	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 11.72 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
162	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
165	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
166	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							

DATI INCAMICIATURE ACC. PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 11.72 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENT.	DATI GENERALI INCAMICIATURA ACCIAIO							INIZIALE - T=Tirantini					CENT	FINALE - T=Tirantini				
Asta Num.	Flg Pre	Ang. N.ro	Angolare Descrizione	Piat N.ro	Piatto Descrizione	RagSmus mm	Coll. %	Lung cm	Pas cm	FiT mm	NumT DirX	NumT DirY	Pass cm	Lung cm	Pas cm	FiT mm	NumT DirX	NumT DirY
4	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
5	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
6	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
12	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
13	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
16	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
26	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
35	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0

DATI ARMATURE PILASTRI - SEZIONE CIRCOLARE - QUOTA: 11.72 m

ASTE IN C.A. CON SEZIONE CIRCOLARE

IDENTIFICATIVO		ARMATURE DI INPUT				RINFORZO IN FRP						
Asta Num.	Concio	FiFer mm	NFerr Long.	FiSta mm	PsSta cm	Mater Nro	Lungh cm	Rag. mm	Num. Avv.	Nodo Conf	Condiz. Ambient.	SpSol cm
167	Iniz.	14	12	8	10							
	Mezz.											
	Finale	14	12	8	10							
168	Iniz.	14	12	8	10							
	Mezz.											
	Finale	14	12	8	10							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 11.72 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	14	3	16	3	16	2	12	8	20	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	2	12	8	9	2	2	0,0	0,0							
	Finale	14	6	16	0	16	2	12	8	9	2	2	0,0	0,0							
2	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
3	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Finale	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
4	Iniz.	14	3	16	3	16	2	12	8	20	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	2	12	8	9	2	2	0,0	0,0							
	Finale	14	6	16	0	16	2	12	8	9	2	2	0,0	0,0							
5	Iniz.	14	3	16	3	16	2	12	8	20	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	2	12	8	9	2	2	0,0	0,0							
	Finale	14	6	16	0	16	2	12	8	9	2	2	0,0	0,0							
6	Iniz.	14	3	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	0	10	8	9	2	2	0,0	0,0							
	Finale	14	6	16	0	16	0	10	8	9	2	2	0,0	0,0							
7	Iniz.	14	3	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	0	10	8	9	2	2	0,0	0,0							
	Finale	14	6	16	0	16	0	10	8	9	2	2	0,0	0,0							
8	Iniz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 11.72 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
9	Iniz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
10	Iniz.	14	3	16	3	16	2	12	8	20	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	2	12	8	9	2	2	0,0	0,0							
	Finale	14	6	16	0	16	2	12	8	9	2	2	0,0	0,0							
11	Iniz.	14	3	16	3	16	2	12	8	20	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	2	12	8	9	2	2	0,0	0,0							
	Finale	14	6	16	0	16	2	12	8	9	2	2	0,0	0,0							
12	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
13	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
14	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
15	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
16	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
17	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
18	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
19	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
20	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
21	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
22	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
23	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
24	Iniz.	14	6	16	0	0	2	12	8	9	2	2	3,0	0,0							
	Mezz.	14	6	16	0	0	2	12	8	9	2	2	3,0	0,0							
	Finale	14	6	16	0	0	2	12	8	9	2	2	3,0	0,0							
25	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
26	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
27	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Finale	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
28	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
29	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 11.72 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
30	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
31	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
32	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
33	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
34	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
35	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
36	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
37	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
38	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
39	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
40	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
41	Iniz.	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	12	2	2	0,0	0,0							
42	Iniz.	14	3	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	0	10	8	9	2	2	0,0	0,0							
	Finale	14	6	16	0	16	0	10	8	9	2	2	0,0	0,0							
43	Iniz.	14	3	16	3	16	2	12	8	20	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	2	12	8	9	2	2	0,0	0,0							
	Finale	14	6	16	0	16	2	12	8	9	2	2	0,0	0,0							
44	Iniz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Mezz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Finale	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
45	Iniz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
46	Iniz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
47	Iniz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
48	Iniz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
49	Iniz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
50	Iniz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Mezz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Finale	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 11.72 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
51	Iniz.	14	6	16	0	0	2	12	8	9	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	2	12	8	9	2	2	0,0	0,0							
	Finale	14	3	16	3	16	2	12	8	20	2	2	0,0	0,0							
52	Iniz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	0	10	8	9	2	2	0,0	0,0							
	Finale	14	3	16	3	16	0	10	8	20	2	2	0,0	0,0							
53	Iniz.	14	6	16	0	0	2	12	8	9	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	2	12	8	9	2	2	0,0	0,0							
	Finale	14	3	16	3	16	2	12	8	20	2	2	0,0	0,0							
54	Iniz.	14	6	16	0	0	2	12	8	9	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	2	12	8	9	2	2	0,0	0,0							
	Finale	14	3	16	3	16	2	12	8	20	2	2	0,0	0,0							
55	Iniz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	0	10	8	9	2	2	0,0	0,0							
	Finale	14	3	16	3	16	0	10	8	20	2	2	0,0	0,0							
56	Iniz.	14	6	16	0	0	2	12	8	9	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	2	12	8	9	2	2	0,0	0,0							
	Finale	14	3	16	3	16	2	12	8	20	2	2	0,0	0,0							
57	Iniz.	14	6	16	0	0	2	12	8	9	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	2	12	8	9	2	2	0,0	0,0							
	Finale	14	3	16	3	16	2	12	8	20	2	2	0,0	0,0							
58	Iniz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	0	10	8	9	2	2	0,0	0,0							
	Finale	14	3	16	3	16	0	10	8	20	2	2	0,0	0,0							
59	Iniz.	14	6	16	0	0	2	12	8	9	2	2	0,0	0,0							
	Mezz.	14	3	16	3	16	2	12	8	9	2	2	0,0	0,0							
	Finale	14	3	16	3	16	2	12	8	20	2	2	0,0	0,0							
60	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
61	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
62	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
63	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
64	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
65	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
66	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
67	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
68	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
69	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
70	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
71	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 11.72 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
72	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
73	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
74	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
75	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
76	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
77	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
78	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
79	Iniz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	4	12	4	12	0	10	8	20	2	2	0,0	0,0							
80	Iniz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Mezz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Finale	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
81	Iniz.	14	1	16	1	14	0	10	8	15	2	2	0,9	0,0							
	Mezz.	14	1	16	1	14	0	10	8	15	2	2	0,9	0,0							
	Finale	14	3	16	1	14	0	10	8	15	2	2	0,9	0,0							
82	Iniz.	14	1	16	1	14	0	10	8	15	2	2	0,9	0,0							
	Mezz.	14	1	16	1	14	0	10	8	15	2	2	0,9	0,0							
	Finale	14	3	16	1	14	0	10	8	15	2	2	0,9	0,0							
83	Iniz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Mezz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Finale	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
84	Iniz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
85	Iniz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
86	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
87	Iniz.	14	6	16	0	0	2	12	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
88	Iniz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
91	Iniz.	14	6	16	0	0	2	12	8	9	2	2	3,0	0,0							
	Mezz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
94	Iniz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	0,0	0,0							
95	Iniz.	14	0	16	3	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
	Finale	14	6	16	0	0	0	10	8	9	2	2	3,0	0,0							
108	Iniz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Mezz.	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							
	Finale	14	3	14	3	14	0	10	8	15	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 11.72 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 13.42 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
21	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
22	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
24	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
25	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
128	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
129	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
130	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
131	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
132	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
133	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 13.42 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	14	2	16	0	16	0	10	8	20	2	2	3,1	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	20	2	2	3,1	0,0							
2	Iniz.	14	2	16	0	16	0	10	8	20	2	2	3,1	0,0							
	Mezz.	14	0	16	2	16	0	10	8	20	2	2	0,0	0,0							
	Finale	14	2	16	0	16	0	10	8	20	2	2	3,1	0,0							
3	Iniz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Finale	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
4	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
5	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
6	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
7	Iniz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Finale	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
8	Iniz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 13.42 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Finale	12	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
9	Iniz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Finale	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
10	Iniz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Finale	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
13	Iniz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Finale	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
18	Iniz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Finale	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 3.12 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
2	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
3	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
4	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
5	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
6	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
8	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
9	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
10	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
11	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
12	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
13	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
14	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
15	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
17	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 3.12 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
18	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
19	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
20	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
21	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
22	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
23	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
24	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
25	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
26	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
27	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
28	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
29	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
30	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
31	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
32	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
33	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
34	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
35	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
36	Iniz.	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	1	16	1	16	0	10	8	20	2	2	0,0	0,0							
37	Iniz.	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
39	Iniz.	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
40	Iniz.	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 3.12 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Mezz.																				
	Finale	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
41	Iniz.	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
42	Iniz.	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
43	Iniz.	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
44	Iniz.	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
45	Iniz.	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	16	0	16	0	10	8	20	2	2	0,0	0,0							
128	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
129	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
130	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
131	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
132	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
133	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
160	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
161	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
162	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
165	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
166	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							

DATI INCAMICIATURE ACC. PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 3.12 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENT.	DATI GENERALI INCAMICIATURA ACCIAIO							INIZIALE - T=Tirantini					CENT	FINALE - T=Tirantini				
Asta Num.	Flg Pre	Ang. N.ro	Angolare Descrizione	Piat N.ro	Piatto Descrizione	RagSmus mm	Coll. %	Lung cm	Pas cm	FiT mm	NumT DirX	NumT DirY	Pass cm	Lung cm	Pas cm	FiT mm	NumT DirX	NumT DirY
11	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
12	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
13	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
14	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
15	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
20	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
21	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
23	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
26	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0

DATI ARMATURE PILASTRI - SEZIONE CIRCOLARE - QUOTA: 3.12 m

ASTE IN C.A. CON SEZIONE CIRCOLARE												
IDENTIFICATIVO		ARMATURE DI INPUT				RINFORZO IN FRP						
Asta Num.	Concio	FiFer mm	NFerr Long.	FiSta mm	PsSta cm	Mater Nro	Lungh cm	Rag. mm	Num. Avv.	Nodo Conf	Condiz. Ambient.	SpSol cm
7	Iniz.	16	6	8	8							
	Mezz.											
	Finale	16	6	8	8							
16	Iniz.	16	6	8	8							
	Mezz.											
	Finale	16	6	8	8							
38	Iniz.	16	6	8	8							
	Mezz.											
	Finale	16	6	8	8							
167	Iniz.	14	12	8	10							
	Mezz.											
	Finale	14	12	8	10							
168	Iniz.	14	12	8	10							
	Mezz.											
	Finale	14	12	8	10							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 3.12 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE																					
IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	12	1	10	0	14	1	12	8	20	2	2	0,0	0,0							
	Mezz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Finale	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
2	Iniz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	1	10	0	14	0	12	8	20	2	2	0,0	0,0							
	Finale	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
3	Iniz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Finale	12	1	10	0	14	1	12	8	20	2	2	0,0	0,0							
5	Iniz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	1	10	0	14	0	12	8	20	2	2	0,0	0,0							
	Finale	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
6	Iniz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Finale	12	1	10	0	14	1	12	8	20	2	2	0,0	0,0							
7	Iniz.	12	1	10	0	14	1	12	8	20	2	2	0,0	0,0							
	Mezz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Finale	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 6.65 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE																					
IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
2	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
3	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
4	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
5	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 6.65 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
6	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
7	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
8	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
9	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
10	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
11	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
12	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
13	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
14	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
15	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
16	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
17	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
18	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
19	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
20	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
21	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
22	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
23	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
24	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
25	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
26	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 6.65 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
27	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
28	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
29	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
30	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
31	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
32	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
33	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
34	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
35	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
36	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
128	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
129	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
130	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
131	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
132	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
133	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
160	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
161	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
162	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
165	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
166	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 6.65 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm

DATI INCAMICIATURE ACC. PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 6.65 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENT.	DATI GENERALI INCAMICIATURA ACCIAIO							INIZIALE - T=Tirantini					CENT	FINALE - T=Tirantini				
Asta Num.	Flg Pre	Ang. N.ro	Angolare Descrizione	Piat N.ro	Piatto Descrizione	RagSmus mm	Coll. %	Lung cm	Pas cm	FiT mm	NumT DirX	NumT DirY	Pass cm	Lung cm	Pas cm	FiT mm	NumT DirX	NumT DirY
6	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0

DATI ARMATURE PILASTRI - SEZIONE CIRCOLARE - QUOTA: 6.65 m

ASTE IN C.A. CON SEZIONE CIRCOLARE

IDENTIFICATIVO		ARMATURE DI INPUT				RINFORZO IN FRP						
Asta Num.	Concio	FiFer mm	NFerr Long.	FiSta mm	PsSta cm	Mater Nro	Lungh cm	Rag. mm	Num. Avv.	Nodo Conf	Condiz. Ambient.	SpSol cm
167	Iniz.	14	12	8	10							
	Mezz.											
	Finale	14	12	8	10							
168	Iniz.	14	12	8	10							
	Mezz.											
	Finale	14	12	8	10							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 6.65 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	12	1	10	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Finale	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
2	Iniz.	12	2	14	0	12	0	12	8	20	2	2	0,8	0,0							
	Mezz.	12	1	10	0	12	1	12	8	20	2	2	0,0	0,0							
	Finale	12	2	14	0	12	0	12	8	20	2	2	0,8	0,0							
3	Iniz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Finale	12	1	10	0	12	1	12	8	20	2	2	0,0	0,0							
4	Iniz.	12	1	10	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Finale	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
5	Iniz.	12	2	14	0	12	0	12	8	20	2	2	0,8	0,0							
	Mezz.	12	1	10	0	12	1	12	8	20	2	2	0,0	0,0							
	Finale	12	2	14	0	12	0	12	8	20	2	2	0,8	0,0							
6	Iniz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	2	14	0	12	1	12	8	20	2	2	0,8	0,0							
	Finale	12	1	10	0	12	1	12	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 10 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
2	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
3	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
4	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
5	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 10 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
6	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
7	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
8	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
9	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
10	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
11	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
12	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
13	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
14	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
15	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
16	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
17	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
18	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
19	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
20	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
21	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
22	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
23	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
24	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
25	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
26	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 10 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
27	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
28	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
29	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
30	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
31	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
32	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
33	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
34	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
35	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
36	Iniz.	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	16	0	12	0	12	0	10	8	20	2	2	0,0	0,0							
128	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
129	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
130	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
131	Iniz.	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
	Mezz.																				
	Finale	8	4	8	4	8	0	8	8	40	2	2	0,0	0,0							
132	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
133	Iniz.	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	12	0	12	1	12	8	20	2	2	0,0	0,0							
160	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
161	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
162	Iniz.	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
	Mezz.																				
	Finale	14	0	14	0	14	8	14	8	20	2	2	0,0	0,0							
165	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
166	Iniz.	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							
	Mezz.																				
	Finale	18	1	18	1	18	3	18	8	15	3	3	0,0	0,0							

DATI ARMATURE PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 10 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm

DATI INCAMICIATURE ACC. PILASTRI - SEZIONE RETTANGOLARE - QUOTA: 10 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENT.	DATI GENERALI INCAMICIATURA ACCIAIO							INIZIALE - T=Tirantini					CENT	FINALE - T=Tirantini				
Asta Num.	Flg Pre	Ang. N.ro	Angolare Descrizione	Piat N.ro	Piatto Descrizione	RagSmus mm	Coll. %	Lung cm	Pas cm	FiT mm	NumT DirX	NumT DirY	Pass cm	Lung cm	Pas cm	FiT mm	NumT DirX	NumT DirY
4	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
5	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
6	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
12	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
13	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
16	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
26	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0
35	SI	361	ANG60*6	916	PL 60*6	0	0	100	20	8	0	0	20	100	20	8	0	0

DATI ARMATURE PILASTRI - SEZIONE CIRCOLARE - QUOTA: 10 m

ASTE IN C.A. CON SEZIONE CIRCOLARE

IDENTIFICATIVO		ARMATURE DI INPUT				RINFORZO IN FRP						
Asta Num.	Concio	FiFer mm	NFerr Long.	FiSta mm	PsSta cm	Mater Nro	Lungh cm	Rag. mm	Num. Avv.	Nodo Conf	Condiz. Ambient.	SpSol cm
167	Iniz.	14	12	8	10							
	Mezz.											
	Finale	14	12	8	10							
168	Iniz.	14	12	8	10							
	Mezz.											
	Finale	14	12	8	10							

DATI ARMATURE TRAVI - SEZIONE RETTANGOLARE - QUOTA: 10 m

ASTE IN C.A. CON SEZIONE RETTANGOLARE

IDENTIFICATIVO		ARMATURE DI INPUT											AGGIUNTIVE		RINFORZO IN FRP						
Asta Num.	Concio	FiSp mm	NFer Sup.	FiSu mm	NFer Inf.	FiIn mm	NFer Par.	FiPa mm	FiSt mm	PsSt cm	Brac DirX	Brac DirY	AfSup cmq	AfInf cmq	Mat. N.ro	Lung cm	Rag. mm	Num Avv	Nod Con	Condiz. Ambient	SpSol cm
1	Iniz.	12	1	10	2	14	1	12	8	20	2	2	0,0	0,0							
	Mezz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Finale	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
2	Iniz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	1	10	0	14	1	12	8	20	2	2	0,0	0,0							
	Finale	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
3	Iniz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Finale	12	1	10	2	14	1	12	8	20	2	2	0,0	0,0							
4	Iniz.	12	1	10	2	14	1	12	8	20	2	2	0,0	0,0							
	Mezz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Finale	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
5	Iniz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	1	10	0	14	1	12	8	20	2	2	0,0	0,0							
	Finale	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
6	Iniz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Mezz.	12	2	14	0	14	1	12	8	20	2	2	0,8	0,0							
	Finale	12	1	10	2	14	1	12	8	20	2	2	0,0	0,0							

SPECIFICHE CAMPI TABELLA DI STAMPA

Si riporta appresso la spiegazione delle sigle usate nelle tabelle di verifica aste in calcestruzzo per gli stati limite ultimi.

Filo Iniz./Fin. : *Sulla prima riga numero del filo del nodo iniziale, sulla seconda quello del nodo finale*

Cotg Θ : *Cotangente Angolo del puntone compresso*

Quota : *Sulla prima riga quota del nodo iniziale, sulla seconda quota del nodo finale*

SgmT : *Solo per le travi di fondazione:*
Pressione di contatto sul terreno in Kg/cmq calcolata con i valori caratteristici delle azioni assumendo i coefficienti gamma pari ad uno.

AmpC : *Solo per le travi di elevazione:*
Coefficiente di amplificazione dei carichi statici per tenere in conto della verifica locale dell'asta a sisma verticale.

N/Nc : *Solo per i pilastri:*
Percentuale della resistenza massima a compressione della sezione di solo calcestruzzo.

Tratto : *Se una trave è suddivisa in più tratti sulla prima riga è riportato il numero del tratto, sulla terza il numero di suddivisioni della trave*

Sez B/H : *Sulla prima riga numero della sezione nell'archivio, sulla seconda base della sezione, sulla terza altezza. Per sezioni a T è riportato l'ingombro massimo della sezione*

Concio : *Numero del concio*

Co Nr : *Numero della combinazione e in sequenza sollecitazioni ultime di calcolo che forniscono la massima deformazione nell'acciaio e nel calcestruzzo per la verifica a flessione*

GamRd : *Solo per le travi di fondazione: Coefficiente di sovraresistenza.*

M Exd : *Momento ultimo di calcolo asse vettore X (per le travi incrementato dalla traslazione del diagramma del momento flettente)*

M Eyd : *Momento ultimo di calcolo asse vettore Y*

N Ed : *Sforzo normale ultimo di calcolo*

x / d : *Rapporto fra la posizione dell'asse neutro e l'altezza utile della sezione moltiplicato per 100*

e_f% e_c% (*100) : *deformazioni massime nell'acciaio e nel calcestruzzo moltiplicate per 10.000. Valore limite per l'acciaio 100 (1%), valore limite nel calcestruzzo 35 (0,35%)*

Area : *Area del ferro in centimetri quadri; per le travi rispettivamente superiore ed inferiore, per i pilastri armature lungo la base e l'altezza della sezione*

Co Nr : *Numero della combinazione e in sequenza sollecitazioni ultime di calcolo che forniscono la minore sicurezza per le azioni taglianti e torcenti*

V Exd : *Taglio ultimo di calcolo in direzione X*

V Eyd : *Taglio ultimo di calcolo in direzione Y*

T sdu : *Momento torcente ultimo di calcolo*

V Rxd : *Taglio resistente ultimo delle staffe in direzione X*

V Ryd : *Taglio resistente ultimo delle staffe in direzione Y*

T Rd : *Momento torcente resistente ultimo delle staffe*

T Rld : *Momento torcente resistente ultimo dell'armatura longitudinale*

Coe Cls : *Coefficiente per il controllo di sicurezza del calcestruzzo alle azioni taglianti e torcenti moltiplicato per 100; la sezione è verificata se detto valore e minore o uguale a 100*

Coe Staf : *Coefficiente per il controllo di sicurezza delle staffe alle azioni taglianti e torcenti moltiplicato per 100; la sezione è verificata se detto valore e minore o uguale a 100*

Alon : *Armatura longitudinale a torsione (nelle travi rettangolari per le quali è stata effettuata la verifica a momento My in questo dato viene stampata anche l'armatura flessionale dei lati verticali)*

Staffe : *Passo staffe e lunghezza del tratto da armare*

Moltipl Ultimo : *Solo per le stampe di riverifica:*
Moltiplicatore dei carichi che porta a collasso la sezione. Il percorso dei carichi seguito e' a sforzo normale costante. Le deformazioni riportate sono determinate dalle sollecitazioni di calcolo amplificate del moltiplicatore in parola.

- **VERIFICHE ASTE IN ACCIAIO / LEGNO**

Si riporta appresso la spiegazione delle sigle usate nelle tabelle di verifica aste in acciaio e di verifica aste in legno.

Fili N.ro : *Sulla prima riga numero del filo del nodo iniziale, sulla terza quello del nodo finale*
Quota : *Sulla prima riga quota del nodo iniziale, sulla terza quota del nodo finale*
Tratto : *Se una trave è suddivisa in più tratti sulla prima riga è riportato il numero del tratto, sulla terza il numero di suddivisioni della trave*
Cmb N.r : *Numero della combinazione per la quale si Š avuta la condi zione più gravosa (rapporto di verifica massimo). La combinazione 0, se presente, si riferisce alle verifiche delle aste in legno, costruita con la sola presenza dei carichi permanenti (1.3*G1 + 1.5*G2). Seguono le caratteristiche associate alla combinazione:*
N Sd : *Sforzo normale di calcolo*
MxSd : *Momento flettente di calcolo asse vettore X locale*
MySd : *Momento flettente di calcolo asse vettore Y locale*
VxSd : *Taglio di calcolo in direzione dell'asse X locale*
VySd : *Taglio di calcolo in direzione dell'asse Y locale*
T Sd : *Torsione di calcolo*
N Rd : *Sforzo normale resistente ridotto per presenza dell'azione tagliante*
MxV.Rd : *Momento flettente resistente con asse vettore X locale ridotto per presenza di azione tagliante. Per le sezioni di classe 3 è sempre il momento limite elastico, per quelle di classe 1 e 2 è il momento plastico. Se inoltre la tipologia della sezione è doppio T, tubo tondo, tubo rettangolare e piatto, il momento è ridotto dall'eventuale presenza dello sforzo normale*
MyV.Rd : *Momento flettente resistente con asse vettore Y locale ridotto per presenza di azione tagliante. Vale quanto riportato per il dato precedente*
VxplRd : *Taglio resistente plastico in direzione dell'asse X locale*
VyplRd : *Taglio resistente plastico in direzione dell'asse X locale*
T Rd : *Torsione resistente*
fy rid : *Resistenza di calcolo del materiale ridotta per presenza dell'azione tagliante*
Rap % : *Rapporto di verifica moltiplicato per 100. Sezione verificata per valori minori o uguali a 100. La formula utilizzata in verifica è la n.ro 6.41 di EC3. Tale formula nel caso di sezione a doppio T coincide con le formule del DM 2008 n.ro 4.2.39 e del DM 2018 n.ro 4.2.39.*
Sez.N : *Numero di archivio della sezione*
Ac : *Coefficiente di amplificazione dei carichi statici. Sostituisce il dato 'Sez.N.' se l'incremento dei carichi statici è maggiore di 1*
Qn : *Carico distribuito normale all'asse della trave in kg/m, incluso il peso proprio*
Asta : *Numerazione dell'asta*

Per le strutture dissipative, nei pilastri, sono stati tenuti in conto i fattori di sovraresistenza riportati nella Tab. 7.5.I delle NTC 2008 e par 7.5.1 delle NTC2018
L'ultima riga delle quattro relative a ciascuna asta, si riferisce ai valori utili ad effettuare le verifiche di instabilità:

l : *Lunghezza della trave*
β*l : *Lunghezza libera di inflessione*
clas. : *Classe di verifica della trave*
ε : *(235/fy)^(1/2). Se il valore e' maggiore di 1 significa che il programma ha classificato la sezione, originariamente di classe 4, come sezione di classe 3 secondo il comma (9) del punto 5.5.2 dell'EC3 in base alla tensione di compressione massima. Per tali aste non sono state effettuate le verifiche di instabilita' come previsto nel comma (10)*

dell'EC3 (vedi anche pto C4.2.3.1).

Lmd : *Snellezza lambda*

R%pf : *Rapporto di verifica per l'instabilità alla presso-flessione moltiplicato per 100 determinato dalla formula [C4.2.32]. Sezione verificata per valori minori o uguali a 100*

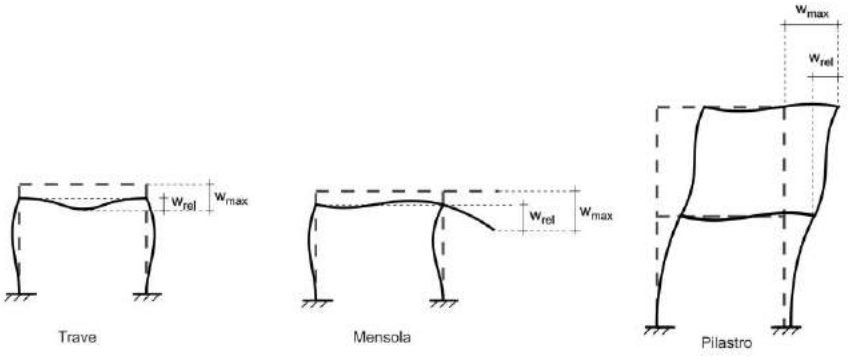
R%ft : *Rapporto di verifica per l'instabilità flesso-torsionale moltiplicato per 100 determinato dalla formula [C4.2.36]*

Wmax : *Spostamento massimo*

Wrel : *Spostamento relativo, depurato dalla traslazione rigida dei nodi*

Wlim : *Spostamento limite*

Gli spostamenti Wmax e Wrel, essendo legati alle verifiche di esercizio, sono calcolati combinando i canali di carico con i coefficienti delle matrici SLE.
Per una più agevole comprensione del significato dei dati Wmax e Wrel, si può fare riferimento alla figura seguente:



Quindi ai fini della verifica è sufficiente che risulti Wrel<=Wlim, essendo del tutto normale che l'asta possa risultare verificata anche con Wmax>Wlim.

Se:

Rap % : *111 La sezione non verifica per taglio elevato*

Rap % : *444 Sezione non verificata in automatico perché di classe 4*

Per le sezioni in legno vengono modificate le seguenti colonne:

N Rd → σ_n : *Tensione normale dovuta a sforzo normale*

MxV.Rd → σM_x : *Tensione normale dovuta a momento Mx*

MyV.Rd → σM_y : *Tensione normale dovuta a momento My*

VxplRd → τ_x : *Tensione tangenziale dovuta a taglio Tx*

VyplRd → τ_y : *Tensione tangenziale dovuta a taglio Ty*

T Rd → τM_t : *Tensione tangenziale da momento torcente*

fy rid → Rapp. Fless : *Rapporto di verifica per la flessione composta secondo le formule dei DM 2008/2018 [4.4.6a], [4.4.6b], [4.4.7a], [4.4.7b]. Viene riportato il valore più alto fra tutte le varie combinazioni e si intende verificato, come tutti gli altri rapporti, se il valore è minore di uno*

Rap % → Rapp.Taglio : *Rapporto di verifica per il taglio o la torsione secondo le formule dei DM 2008/2018 [4.4.8], [4.4.9] avendo sovrapposto gli effetti con la [4.4.10] nel caso di taglio e torsione agenti contemporaneamente*

clas. → KcC : *Coefficiente di instabilità di colonna ($K_{crit,c}$) determinato dalle formule dei DM 2008/2018 [4.4.15]*

lmd → KcM : *Coefficiente di instabilità di trave ($K_{crit,m}$) determinato dalle formule dei DM 2008/2018 [4.4.12]*

R%pf → Rx : *Rapporto globale di verifica di instabilità che tiene in conto sia dell'instabilità di colonna che quella di trave; il coefficiente Km è applicato al termine del momento Y*

R%ft → Ry : *Rapporto globale di verifica di instabilità che tiene in conto sia dell'instabilità di colonna che quella di trave; il coefficiente Km è applicato al termine del momento X*

Gli spostamenti Wmax e Wrel sono calcolati secondo le formule [2.2] e [2.3] dell'Eurocodice 5. In particolare si sommano gli spostamenti istantanei delle combinazioni SLE Rare con quelli a tempo infinito delle combinazioni SLE Quasi Permanenti. Quindi indicando con U^P gli spostamenti istantanei dei carichi permanenti e con U^Q quelli dei carichi variabili lo spostamento finale vale:

$$U_{fin} = U^P + K_{def} * U^P + U^Q + K_{def} * ø_2 * U^Q$$

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta appresso la spiegazione delle sigle usate nella tabella di verifica aste in cls per le quali è necessario effettuare la verifica di stabilità per elementi snelli. Le eccentricità aggiuntive sono state tenute in conto nel progetto delle armature in fase di verifica per le varie combinazioni di calcolo.

Asta 3D : *Numero dell'asta spaziale*

Filo Iniz : *Numero del filo del nodo iniziale*

Quota Iniz : *Quota del nodo iniziale*

Filo Fina. : *Numero del filo del nodo finale*

Quota Iniz. : *Quota del nodo finale*

Lambda Eleme. : *Lambda dell'elemento strutturale*

Lambda Minimo : *Lambda minimo di controllo; se lambda dell'elemento strutturale supera lambda minimo di controllo si attiva la verifica di instabilità; valore calcolato come da formula 5.13N dell'eurocodice 2 (punto 5.8.3.1) o anche 4.1.33 del DM2008.*

Sf. Nor. : *Sforzo normale di calcolo*

Ecc. E X/Y : *Eccentricità equivalente rispetto all'asse X e Y calcolata come da formula 5.32 dell'Eurocodice 2 (punto 5.8.8.2(2)).*

Ecc. A X/Y : *Eccentricità aggiuntiva dovuta alle imperfezioni rispetto all'asse X e Y calcolata come da formula 5.2 dell'Eurocodice 2 (punto 5.2(7 a)).*

Ecc. 2 X/Y : *Eccentricità del secondo ordine rispetto all'asse X e Y calcolata dalle curvature della sezione; come da formula 5.33 dell'Eurocodice 2 (punto 5.8.8.2(3)).*

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
26	1.40	1	25	1	1	-7.2	0.0	0.0	35	3	2	17.4	3.0	1	0.0	5.2	0.0	17.2	43.2	10.6	0.0	12	12	0.0	9	52	8
35	1.40	/	30	3	1	-7.2	0.0	0.0	35	3	2	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	5	70	5	1	-5.6	0.0	0.0	35	3	2	17.4	3.0	1	0.0	4.5	0.0	17.2	43.2	10.6	0.0	10	10	0.0	9	52	8
35	1.40	1	5	1	2	-0.2	0.0	0.0	31	1	0	7.1	3.1	2	0.0	0.2	0.0	23.7	13.3	4.0	0.0	2	2	0.0	12	24	8
34	1.40	/	40	3	2	-0.2	0.0	0.0	31	1	0	7.1	3.1	2	0.0	0.1	0.0	23.7	13.3	4.0	0.0	1	1	0.0	12	68	8
2.48	1.00	5	24	5	1	-0.1	0.0	0.0	31	1	0	7.1	3.1	1	0.0	-0.1	0.0	23.7	13.3	4.0	0.0	1	1	0.0	12	24	8
100	1.40	1	25	1	1	-7.6	0.0	0.0	35	4	2	17.4	3.0	1	0.0	8.6	0.0	17.2	43.2	10.6	0.0	20	20	0.0	9	30	8
25	1.40	/	30	3	1	-7.6	0.0	0.0	35	4	2	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	2	70	5	1	-7.6	0.0	0.0	35	4	2	17.4	3.0	1	0.0	8.2	0.0	17.2	43.2	10.6	0.0	19	19	0.0	9	30	8
25	1.40	1	25	1	1	7.5	0.0	0.0	16	12	2	17.4	3.0	1	0.0	-18.9	0.0	17.2	43.2	10.6	0.0	44	44	0.0	9	26	8
119	1.40	/	30	3	1	7.5	0.0	0.0	12	19	3	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	2	70	5	1	-2.5	0.0	0.0	34	1	1	17.4	3.0	1	0.0	-19.2	0.0	17.2	43.2	10.6	0.0	44	44	0.0	9	26	8
119	1.40	1	25	1	1	-0.9	0.0	0.0	35	0	0	17.4	3.0	1	0.0	0.8	0.0	10.4	26.1	6.4	0.0	3	3	0.0	20	52	8
34	1.40	/	30	3	1	-0.9	0.0	0.0	35	0	0	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00	4	70	5	1	-0.7	0.0	0.0	35	0	0	17.4	3.0	1	0.0	0.1	0.0	10.4	26.1	6.4	0.0	0	0	0.0	20	52	8
1	1.40		25	1	1	-10.9	0.0	0.0	33	6	3	14.3	3.0	1	0.0	12.9	0.0	17.2	43.2	10.6	0.0	30	30	0.0	9	70	8
10	1.40		30	3	1	5.8	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-11.4	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-13.1	0.0	17.2	43.2	10.6	0.0	30	30	0.0	9	70	8
10	1.40		25	1	1	-12.2	0.0	0.0	35	6	3	17.4	3.0	1	0.0	13.5	0.0	17.2	43.2	10.6	0.0	31	31	0.0	9	70	8
19	1.40		30	3	1	6.1	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-12.1	0.0	0.0	35	6	3	17.4	3.0	1	0.0	-13.5	0.0	17.2	43.2	10.6	0.0	31	31	0.0	9	70	8
19	1.40		25	1	1	-11.5	0.0	0.0	35	5	3	17.4	3.0	1	0.0	13.1	0.0	17.2	43.2	10.6	0.0	30	30	0.0	9	70	8
28	1.40		30	3	1	5.8	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	380	8
1.86	1.00		70	5	1	-10.8	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-12.9	0.0	17.2	43.2	10.6	0.0	30	30	0.0	9	70	8
2	1.40		25	1	1	-17.4	0.0	0.0	32	10	5	14.3	3.0	1	0.0	20.8	0.0	17.2	43.2	10.6	0.0	48	48	0.0	9	70	8
11	1.40		30	3	1	9.4	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-18.4	0.0	0.0	35	9	5	17.4	3.0	1	0.0	-21.2	0.0	17.2	43.2	10.6	0.0	49	49	0.0	9	70	8
3	1.40		25	1	1	-17.3	0.0	0.0	32	10	5	14.3	3.0	1	0.0	20.6	0.0	17.2	43.2	10.6	0.0	47	48	0.0	9	70	8
12	1.40		30	3	1	9.3	0.0	0.0	28	8	3	2.3	9.1	2	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-18.2	0.0	0.0	35	8	5	17.4	3.0	1	0.0	-20.9	0.0	17.2	43.2	10.6	0.0	48	48	0.0	9	70	8
4	1.40		25	1	1	-17.1	0.0	0.0	32	10	5	14.3	3.0	1	0.0	20.5	0.0	17.2	43.2	10.6	0.0	47	47	0.0	9	70	8
13	1.40		30	3	1	9.3	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-18.3	0.0	0.0	35	9	5	17.4	3.0	1	0.0	-21.0	0.0	17.2	43.2	10.6	0.0	48	49	0.0	9	70	8
5	1.40		25	1	1	-16.9	0.0	0.0	32	9	5	14.3	3.0	1	0.0	20.4	0.0	17.2	43.2	10.6	0.0	47	47	0.0	9	70	8
14	1.40		30	3	1	9.3	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-18.3	0.0	0.0	35	9	5	17.4	3.0	1	0.0	-21.0	0.0	17.2	43.2	10.6	0.0	48	49	0.0	9	70	8
6	1.40		25	1	1	-18.0	0.0	0.0	35	8	5	17.4	3.0	1	0.0	20.6	0.0	17.2	43.2	10.6	0.0	47	48	0.0	9	70	8
15	1.40		30	3	1	8.8	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	380	8
1.86	1.00		70	5	1	-17.6	0.0	0.0	35	8	5	17.4	3.0	1	0.0	-20.4	0.0	17.2	43.2	10.6	0.0	47	47	0.0	9	70	8
7	1.40		25	1	1	-19.9	0.0	0.0	35	9	5	17.4	3.0	1	0.0	21.6	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
16	1.40		30	3	1	9.4	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.6	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	395	8
1.86	1.00		70	5	1	-18.0	0.0	0.0	35	8	5	17.4	3.0	1	0.0	-20.8	0.0	17.2	43.2	10.6	0.0	48	48	0.0	9	70	8
8	1.40		25	1	1	-18.5	0.0	0.0	35	9	5	17.4	3.0	1	0.0	21.1	0.0	17.2	43.2	10.6	0.0	49	49	0.0	9	70	8
17	1.40		30	3	1	9.0	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	380	8
1.86	1.00		70	5	1	-18.0	0.0	0.0	35	8	5	17.4	3.0	1	0.0	-20.9	0.0	17.2	43.2	10.6	0.0	48	48	0.0	9	70	8
9	1.40		25	1	1	-11.0	0.0	0.0	33	6	3	14.3	3.0	1	0.0	13.0	0.0	17.2	43.2	10.6	0.0	30	30	0.0	9	70	8
18	1.40		30	3	1	5.8	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-11.3	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-13.1	0.0	17.2	43.2	10.6	0.0	30	30	0.0	9	70	8
11	1.40		25	1	1	-19.6	0.0	0.0	35	9	5	17.4	3.0	1	0.0	21.8	0.0	17.2	43.2	10.6	0.0	50	51	0.0	9	70	8
20	1.40		30	3	1	9.9	0.0	0.0	28	8	4	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-19.5	0.0	0.0	35	9	5	17.4	3.0	1	0.0	-21.8	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
12	1.40		25	1	1	-19.6	0.0	0.0	35	9	5	17.4	3.0	1	0.0	21.7	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
21	1.40		30	3	1	9.9	0.0	0.0	28	9	4	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	400	8
1.86	1.00		70	5	1	-18.8	0.0	0.0	35	9	5	17.4	3.0	1	0.0	-21.4	0.0	17.2	43.2	10.6	0.0	49	50	0.0	9	70	8
13	1.40		25	1	1	-19.6	0.0	0.0	35	9	5	17.4	3.0	1	0.0	21.7	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
22	1.40		30	3	1	9.8	0.0	0.0	28	8	4	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	400	8
1.86	1.00		70	5	1	-18.9	0.0	0.0	35	9	5	17.4	3.0	1	0.0	-21.4	0.0	17.2	43.2	10.6	0.0	49	50	0.0	9	70	8
14	1.40		25	1	1	-19.4	0.0	0.0	35	9	5	17.4	3.0	1	0.0	21.5	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
23	1.40		30	3	1	9.7	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-19.1	0.0	0.0	35	9	5	17.4	3.0	1	0.0	-21.4	0.0	17.2	43.2	10.6	0.0	49	50	0.0	9	70	8
15	1.40		25	1	1	-19.3	0.0	0.0	35	9	5	17.4	3.0	1	0.0	21.4	0.0	17.2	43.2	10.6	0.0	49	49	0.0	9	70	8
24	1.40		30	3	1	9.7	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	400	8
1.86	1.00		70	5	1	-18.6	0.0	0.0	35	9	5	17.4	3.0	1	0.0	-21.1	0.0	17.2	43.2	10.6	0.0	49	49	0.0	9	70	8
16	1.40		25	1	1	-13.4	0.0	0.0	35	6	4	17.4	3.0	1	0.0	17.8	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
100	1.40		30	3	1	6.5	0.0	0.0	28	6	2	2.3	9.1	1	0.0	1.1	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	285	8
1.86	1.00		70	5	1	-9.5	0.0	0.0	35	4	3	17.4	3.0	1	0.0	-16.0	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
17	1.40		25	1	1	-21.4	0.0	0.0	35	10	6	17.4	3.0	1	0.0	22.3	0.0	17.2	43.2	10.6	0.0	52	52	0.0	9	70	8
26	1.40		30	3	1	10.6	0.0	0.0	28	9	4	2.3	9.1	1	0.0	1.2	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	400	8
1.86	1.00		70	5	1	-14.6	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-19.9	0.0	17.2	43.2	10.6	0.0	46	46	0.0	9	70	8
18	1.40		25	1	1	-12.3	0.0	0.0	35	6	3	17.4	3.0	1	0.0	13.6	0.0	17.2	43.2	10.6	0.0	31	31	0.0	9	70	8
27	1.40		30	3	1	6.1	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-12.0	0.0	0.0	35	6	3	17.4	3.0	1	0.0	-13.4	0.0	17.2	43.2	10.6	0.0	31	31	0.0	9	70	8
20	1.40		25	1	1	-18.7	0.0	0.0	35	9	5	17.4	3.0	1	0.0	21.3	0.0	17.2	43.2	10.6	0.0	49	49	0.0	9	70	8
29	1.40		30	3	1	9.4	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.5	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	380	8
1.86	1.00		70	5	1	-17.2	0.0	0.0	32	10	5	14.3	3.0	1	0.0	-20.7	0.0	17.2	43.2	10.6	0.0	48	48	0.0	9	70	8
21	1.40		25	1	1	-12.1	0.0	0.0	35	6	3	17.4	3.0	1	0.0	15.5	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	53	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
116	1.40		30	3	1	-12.1	0.0	0.0	35	6	3	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-7.6	0.0	0.0	35	4	2	17.4	3.0	1	0.0	7.1	0.0	17.2	43.2	10.6	0.0	16	16	0.0	9	53	8
22	1.40		25	1	1	-13.3	0.0	0.0	35	6	4	17.4	3.0	1	0.0	17.7	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	53	8
117	1.40		30	3	1	-13.3	0.0	0.0	36	6	4	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.8	0.0	0.0	12	2	0	17.4	3.0	1	0.0	9.3	0.0	17.2	43.2	10.6	0.0	21	22	0.0	9	53	8
23	1.40		25	1	1	-18.4	0.0	0.0	35	9	5	17.4	3.0	1	0.0	21.0	0.0	17.2	43.2	10.6	0.0	48	49	0.0	9	70	8
32	1.40		30	3	1	9.2	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.5	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	380	8
1.86	1.00		70	5	1	-16.9	0.0	0.0	32	9	5	14.3	3.0	1	0.0	-20.4	0.0	17.2	43.2	10.6	0.0	47	47	0.0	9	70	8
24	1.40		25	1	1	-10.2	0.0	0.0	35	5	3	17.4	3.0	1	0.0	14.3	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	53	8
118	1.40		30	3	1	-10.2	0.0	0.0	35	5	3	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.5	0.0	0.0	12	1	0	17.4	3.0	1	0.0	6.0	0.0	17.2	43.2	10.6	0.0	14	14	0.0	9	53	8
138	1.40		5	1	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.2	0.0	14.4	8.1	2.5	0.0	2	3	0.0	20	24	8
139	1.40		40	3	1	0.0	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	112	8
2.5	1.00		24	5	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-0.2	0.0	14.4	8.1	2.5	0.0	2	3	0.0	20	24	8
139	1.40		5	1	1	-2.1	0.0	0.0	29	8	4	6.8	6.8	1	0.0	4.4	0.0	14.4	8.1	2.5	0.0	33	54	0.0	20	24	8
117	1.40		40	3	1	0.9	0.0	0.0	29	4	2	6.8	6.8	1	0.0	1.0	0.0	14.4	8.1	2.5	0.0	8	12	0.0	20	172	8
2.5	1.00		24	5	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-2.5	0.0	14.4	8.1	2.5	0.0	19	31	0.0	20	24	8
27	1.40		25	1	1	-11.6	0.0	0.0	35	5	3	17.4	3.0	1	0.0	13.2	0.0	17.2	43.2	10.6	0.0	30	31	0.0	9	70	8
36	1.40		30	3	1	5.8	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	380	8
1.86	1.00		70	5	1	-10.6	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-12.8	0.0	17.2	43.2	10.6	0.0	29	30	0.0	9	70	8
1	1.40		5	1	1	-2.5	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
2	1.40		40	3	2	1.3	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
2	1.40		5	1	2	-2.5	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
3	1.40		40	3	1	1.3	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	1	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
3	1.40		5	1	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
4	1.40		40	3	2	1.2	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	522	8
2.48	1.00		24	5	1	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
4	1.40		5	1	2	-2.5	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
5	1.40		40	3	1	1.3	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	1	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
5	1.40		5	1	1	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
6	1.40		40	3	1	1.2	0.0	0.0	31	4	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	517	8
2.48	1.00		24	5	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
6	1.40		5	1	2	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	0.9	0.0	23.7	13.3	4.0	0.0	7	7	0.0	12	24	8
7	1.40		40	3	2	0.4	0.0	0.0	31	2	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	512	8
2.48	1.00		24	5	1	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-0.9	0.0	23.7	13.3	4.0	0.0	7	7	0.0	12	24	8
7	1.40		5	1	1	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	0.9	0.0	23.7	13.3	4.0	0.0	7	7	0.0	12	24	8
8	1.40		40	3	1	0.4	0.0	0.0	31	2	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	522	8
2.48	1.00		24	5	2	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-0.9	0.0	23.7	13.3	4.0	0.0	7	7	0.0	12	24	8
8	1.40		5	1	2	-2.5	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
9	1.40		40	3	1	1.3	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	1	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
28	1.40		5	1	1	-2.5	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
29	1.40		40	3	2	1.3	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
29	1.40		5	1	2	-2.5	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
30	1.40		40	3	1	1.3	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	1	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
37	1.40		25	1	1	-13.7	0.0	0.0	35	6	4	17.4	3.0	1	0.0	14.1	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
6	1.40		30	3	1	6.6	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	430	8
1.86	1.00		70	5	1	-12.8	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-13.8	0.0	17.2	43.2	10.6	0.0	32	32	0.0	9	70	8
31	1.40		5	1	1	-2.5	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
32	1.40		40	3	2	1.3	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-2.6	0.0	0.0	32	10	6	7.1	3.1	2	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
32	1.40		5	1	2	-2.3	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
33	1.40		40	3	1	1.2	0.0	0.0	31	4	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	517	8
2.48	1.00		24	5	1	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
43	1.40		25	1	1	-11.3	0.0	0.0	33	6	3	14.3	3.0	1	0.0	13.4	0.0	17.2	43.2	10.6	0.0	31	31	0.0	9	70	8
37	1.40		30	3	1	6.9	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	420	8
1.86	1.00		70	5	1	-13.5	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-14.2	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
35	1.40		5	1	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
36	1.40		40	3	1	1.3	0.0	0.0	31	5	3	3.1	7.1	1	0.0	-0.1	0.0	14.2	8.0	2.4	0.0	0	1	0.0	20	537	8
2.48	1.00		24	5	1	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.7	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
38	1.40		25	1	1	-21.9	0.0	0.0	35	10	6	17.4	3.0	1	0.0	22.8	0.0	17.2	43.2	10.6	0.0	53	53	0.0	9	70	8
7	1.40		30	3	1	10.7	0.0	0.0	28	9	4	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	425	8
1.86	1.00		70	5	1	-20.3	0.0	0.0	35	9	5	17.4	3.0	1	0.0	-22.3	0.0	17.2	43.2	10.6	0.0	51	52	0.0	9	70	8
44	1.40		25	1	1	-17.3	0.0	0.0	32	10	5	14.3	3.0	1	0.0	21.2	0.0	17.2	43.2	10.6	0.0	49	49	0.0	9	70	8
38	1.40		30	3	1	11.1	0.0	0.0	28	10	4	2.3	9.1	1	0.0	-0.9	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	415	8
1.86	1.00		70	5	1	-22.0	0.0	0.0	35	10	6	17.4	3.0	1	0.0	-22.9	0.0	17.2	43.2	10.6	0.0	53	53	0.0	9	70	8
39	1.40		25	1	1	-13.9	0.0	0.0	35	7	4	17.4	3.0	1	0.0	14.3	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
8	1.40		30	3	1	6.7	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	430	8
1.86	1.00		70	5	1	-12.9	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-14.0	0.0	17.2	43.2	10.6	0.0	32	32	0.0	9	70	8
45	1.40		25	1	1	-11.2	0.0	0.0	33	6	3	14.3	3.0	1	0.0	13.5	0.0	17.2	43.2	10.6	0.0	31	31	0.0	9	70	8
39	1.40		30	3	1	7.0	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	420	8
1.86	1.00		70	5	1	-13.7	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-14.4	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
43	1.40		5	1	1	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	0.9	0.0	23.7	13.3	4.0	0.0	7	7	0.0	12	24	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
44	1.40		40	3	1	0.4	0.0	0.0	31	2	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	522	8
2.48	1.00		24	5	2	-0.9	0.0	0.0	31	3	2	7.1	3.1	2	0.0	-0.9	0.0	23.7	13.3	4.0	0.0	7	7	0.0	12	24	8
44	1.40		5	1	2	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	0.9	0.0	23.7	13.3	4.0	0.0	7	7	0.0	12	24	8
45	1.40		40	3	1	0.4	0.0	0.0	31	2	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	532	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-0.9	0.0	23.7	13.3	4.0	0.0	7	7	0.0	12	24	8
116	1.40		5	1	1	0.1	0.0	0.0	29	0	0	6.8	6.8	2	0.0	0.1	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8
138	1.40		40	3	1	-0.2	0.0	0.0	29	1	0	6.8	6.8	1	0.0	-0.2	0.0	14.4	8.1	2.5	0.0	2	3	0.0	20	172	8
2.5	1.00		24	5	1	-0.5	0.0	0.0	29	2	1	6.8	6.8	1	0.0	-0.6	0.0	14.4	8.1	2.5	0.0	4	7	0.0	20	24	8
24	1.40		5	1	1	-3.6	0.0	0.0	30	14	8	6.8	6.8	1	0.0	3.8	0.0	14.4	8.1	2.5	0.0	29	47	0.0	20	24	8
25	1.40		40	3	1	1.8	0.0	0.0	29	7	4	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	522	8
2.5	1.00		24	5	1	-3.5	0.0	0.0	30	14	7	6.8	6.8	1	0.0	-3.8	0.0	14.4	8.1	2.5	0.0	29	47	0.0	20	24	8
116	1.40		25	1	1	-0.2	0.0	0.0	35	0	0	17.4	3.0	1	0.0	7.0	0.0	10.4	26.1	6.4	0.0	22	27	0.0	20	70	8
30	1.40		30	3	1	5.2	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-2.2	0.0	10.4	26.1	6.4	0.0	7	9	0.0	20	275	8
2.5	1.00		70	5	1	-10.0	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-11.7	0.0	30.0	32.2	3.6	0.0	36	20	0.0	9	70	8
117	1.40		25	1	1	4.1	0.0	0.0	12	10	2	17.4	3.0	1	0.0	6.8	0.0	10.4	26.1	6.4	0.0	21	26	0.0	20	70	8
31	1.40		30	3	1	5.4	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-2.4	0.0	10.4	26.1	6.4	0.0	8	9	0.0	20	275	8
2.5	1.00		70	5	1	-10.3	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-11.9	0.0	30.0	32.2	3.6	0.0	37	21	0.0	9	70	8
118	1.40		25	1	1	3.7	0.0	0.0	12	9	1	17.4	3.0	1	0.0	6.0	0.0	10.4	26.1	6.4	0.0	19	23	0.0	20	70	8
165	1.40		30	3	1	4.6	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-2.5	0.0	10.4	26.1	6.4	0.0	8	10	0.0	20	250	8
2.5	1.00		70	5	1	-9.3	0.0	0.0	33	5	3	14.3	3.0	1	0.0	-11.1	0.0	30.0	32.2	3.6	0.0	34	19	0.0	9	70	8
165	1.40		32	1	1	-0.4	0.2	0.0	25	1	1	7.7	7.7	1	0.2	0.8	0.0	45.9	13.9	7.7	0.0	3	6	0.0	15	24	8
142	1.40		70	3	1	0.1	-0.2	0.0	25	1	0	7.7	7.7	1	0.2	0.1	0.0	38.3	33.9	4.3	0.0	1	1	0.0	15	197	8
2.5	1.00		24	5	2	-0.2	-0.2	0.0	25	1	0	7.7	7.7	1	0.2	-0.6	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
142	1.40		32	1	2	-0.2	-0.2	0.0	25	1	0	7.7	7.7	1	-0.2	0.6	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
166	1.40		70	3	2	0.1	-0.2	0.0	25	0	0	7.7	7.7	1	-0.2	-0.1	0.0	38.3	33.9	4.3	0.0	1	1	0.0	15	197	8
2.5	1.00		24	5	1	-0.4	0.2	0.0	25	1	1	7.7	7.7	1	-0.2	-0.8	0.0	45.9	13.9	7.7	0.0	3	5	0.0	15	24	8
134	3.98		2	1	1	-0.4	0.0	0.0	20	2	1	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
129	3.98		30	3	1	-5.7	0.0	0.0	29	13	6	6.2	2.3	1	0.0	-4.4	0.0	10.4	14.4	3.4	0.4	25	31	2.3	20	110	8
2.5	1.00		40	5	1	-8.3	0.0	0.0	18	65	16	6.2	2.3	1	0.0	-8.8	0.0	10.4	14.4	3.4	0.4	49	61	2.3	20	40	8
129	3.98		2	1	1	-0.1	0.0	0.3	19	0	0	6.2	2.3	1	0.0	0.4	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
130	2.26		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.0	0	0	0.0	20	169	8
2.5	1.00		40	5	1	-0.1	0.0	-0.3	38	0	0	6.2	2.3	1	0.0	-0.4	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
130	2.26		2	1	1	-8.3	0.0	0.0	18	65	16	6.2	2.3	1	0.0	8.8	0.0	10.4	14.4	3.4	0.4	49	61	2.3	20	40	8
135	2.26		30	3	1	-5.7	0.0	0.0	29	13	6	6.2	2.3	1	0.0	4.4	0.0	10.4	14.4	3.4	0.4	25	31	2.3	20	110	8
2.5	1.00		40	5	1	-0.4	0.0	0.0	20	2	1	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
132	3.98		2	1	1	-0.1	0.0	0.3	19	0	0	6.2	2.3	1	0.0	0.4	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
133	2.26		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.0	0	0	0.0	20	169	8
2.5	1.00		40	5	1	-0.1	0.0	-0.3	38	0	0	6.2	2.3	1	0.0	-0.4	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
133	2.26		2	1	1	-8.3	0.0	0.0	20	50	14	6.2	2.3	1	0.0	8.7	0.0	10.4	14.4	3.4	0.4	49	61	2.3	20	40	8
137	2.26		30	3	1	-5.6	0.0	0.0	29	13	6	6.2	2.3	1	0.0	4.4	0.0	10.4	14.4	3.4	0.4	25	30	2.3	20	110	8
2.5	1.00		40	5	1	-0.4	0.0	0.0	20	2	1	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
136	3.98		2	1	1	-0.4	0.0	0.0	20	2	1	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
132	3.98		30	3	1	-5.6	0.0	0.0	29	13	6	6.2	2.3	1	0.0	-4.4	0.0	10.4	14.4	3.4	0.4	25	30	2.3	20	110	8
2.5	1.00		40	5	1	-8.3	0.0	0.0	20	50	14	6.2	2.3	1	0.0	-8.7	0.0	10.4	14.4	3.4	0.4	49	61	2.3	20	40	8
55	4.84		25	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-2.7	-1.6	40.4	43.3	4.8	2.2	39	21	6.8	9	20	8
1	4.84		30	3	1	-1.5	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0	0	6.8	9	0	8
1.86	1.00		70	5	1	-1.5	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-4.8	-1.6	40.4	43.3	4.8	2.2	44	26	6.8	9	20	8
19	4.84		25	1	1	-13.7	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.8	0.0	30.0	32.2	3.6	0.0	49	27	0.0	9	70	8
114	4.84		30	3	1	7.1	0.0	0.0	12	17	3	17.4	3.0	1	0.0	7.1	0.0	30.0	32.2	3.6	0.0	22	12	0.0	9	150	8
2.5	1.00		70	5	1	6.9	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-1.6	0.0	10.4	26.1	6.4	0.0	5	6	0.0	20	70	8
56	4.84		25	1	1	-1.5	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-2.8	1.6	40.4	43.3	4.8	2.2	40	22	6.8	9	20	8
2	4.84		30	3	1	-1.5	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0	0	6.8	9	0	8
1.86	1.00		70	5	1	-1.5	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-4.8	1.6	40.4	43.3	4.8	2.2	45	26	6.8	9	20	8
57	4.84		25	1	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-2.3	-1.2	40.4	43.3	4.8	1.4	30	17	4.5	9	20	8
3	4.84		30	3	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-4.3	-1.2	40.4	43.3	4.8	1.4	34	21	4.5	9	20	8
58	4.84		25	1	1	-8.8	0.0	0.0	35	4	2	16.6	3.0	1	0.0	-11.8	0.0	17.2	43.2	10.6	0.0	27	27	0.0	9	20	8
4	4.84		30	3	1	-8.8	0.0	0.0	35	4	2	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-8.8	0.0	0.0	34	4	2	16.6	3.0	1	0.0	-15.0	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	20	8
59	4.84		25	1	1	-16.4	0.0	0.0	35	8	5	16.6	3.0	1	0.0	-15.0	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	20	8
5	4.84		30	3	1	-16.4	0.0	0.0	35	8	5	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-16.4	0.0	0.0	34	8	5	16.6	3.0	1	0.0	-18.2	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	20	8
6	4.84		25	1	1	-19.2	0.0	0.0	34	9	5	16.6	3.0	1	0.0	21.2	0.0	17.2	43.2	10.6	0.0	49	49	0.0	9	70	8
15	4.84		30	3	1	9.3	0.0	0.0	28	8	3	2.3	9.1	2	0.0	0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	395	8
1.86	1.00		70	5	1	-18.6	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-21.0	0.0	17.2	43.2	10.6	0.0	48	49	0.0	9	70	8
7	4.84		25	1	1	-18.5	0.0	0.0	34	9	5	16.6	3.0	1	0.0	21.5	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
16	4.84		30	3	1	10.6	0.0	0.0	28	9	4	2.3	9.1	1	0.0	-0.3	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	410	8
1.86	1.00		70	5	1	-20.2	0.0	0.0	34	10	6	16.6	3.0	1	0.0	-22.1	0.0	17.2	43.2	10.6	0.0	51	51	0.0	9	70	8
62	4.84		25	1	1	-8.7	0.0	0.0	35	4	2	16.6	3.0	1	0.0	-9.4	-1.6	40.4	43.3	4.8	2.2	54	37	6.8	9	20	8
8	4.84		30	3	1	-8.7	0.0	0.0	35	4	2	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0	0	6.8	9	0	8
1.86	1.00		70	5	1	-8.7	0.0	0.0	35	4	2	16.6	3.0	1	0.0	-12.1	-1.6	40.4	43.3	4.8	2.2	61	43	6.8	9	20	8
63	4.84		25	1	1	-1.5	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-2.7	1.6	40.4	43.3	4.8	2.2	39	21	6.8	9	20	8
9	4.84		30	3	1	-1.5	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0	0	6.8	9	0	8
1.86	1.00		70	5	1	-1.5	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-4.8	1.6	40.4	43.3	4.8	2.2	44	26	6.8	9	20	8
11	4.84		25	1	1	-20.3	0.0	0.0	34	10	6	16.6	3.0	1	0.0	22.2	0.0	17.2	43.2	10.6	0.0	51	51	0.0	9	70	8
20	4.84		30	3	1	10.1	0.0	0.0	28	9	4	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	410	8
1.86	1.00		70	5	1	-20.5	0.0	0.0	34	10	6	16.6	3.0	1	0.0	-22.3	0.0	17.2	43.2	10.6	0.0	51	52	0.0	9	70	8
12	4.84		25	1	1	-20.8	0.0	0.0	34	10	6	16.6	3.0	1	0.0	22.4	0.0	17.2	43.2	10.6	0.0	52	52	0.0	9	70	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
21	4.84		30	3	1	10.6	0.0	0.0	28	9	4	2.3	9.1	1	0.0	0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	410	8
1.86	1.00		70	5	1	-18.4	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-21.5	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
13	4.84		25	1	1	-20.5	0.0	0.0	34	10	6	16.6	3.0	1	0.0	22.3	0.0	17.2	43.2	10.6	0.0	52	52	0.0	9	70	8
22	4.84		30	3	1	10.7	0.0	0.0	28	9	4	2.3	9.1	1	0.0	0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	410	8
1.86	1.00		70	5	1	-18.5	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-21.6	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
14	4.84		25	1	1	-19.5	0.0	0.0	34	9	5	16.6	3.0	1	0.0	21.7	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
23	4.84		30	3	1	10.2	0.0	0.0	28	9	4	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	410	8
1.86	1.00		70	5	1	-20.2	0.0	0.0	34	10	6	16.6	3.0	1	0.0	-22.0	0.0	17.2	43.2	10.6	0.0	51	51	0.0	9	70	8
15	4.84		25	1	1	-20.3	0.0	0.0	34	10	6	16.6	3.0	1	0.0	22.0	0.0	17.2	43.2	10.6	0.0	51	51	0.0	9	70	8
24	4.84		30	3	1	10.5	0.0	0.0	28	9	4	2.3	9.1	1	0.0	0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	410	8
1.86	1.00		70	5	1	-18.2	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-21.2	0.0	17.2	43.2	10.6	0.0	49	49	0.0	9	70	8
16	4.84		25	1	1	-20.8	0.0	0.0	34	10	6	16.6	3.0	1	0.0	22.4	0.0	17.2	43.2	10.6	0.0	52	52	0.0	9	70	8
25	4.84		30	3	1	10.8	0.0	0.0	28	9	4	2.3	9.1	1	0.0	0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	415	8
1.86	1.00		70	5	1	-18.8	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-21.7	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
17	4.84		25	1	1	-20.4	0.0	0.0	34	10	6	16.6	3.0	1	0.0	22.1	0.0	17.2	43.2	10.6	0.0	51	51	0.0	9	70	8
26	4.84		30	3	1	10.0	0.0	0.0	28	9	4	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	410	8
1.86	1.00		70	5	1	-20.4	0.0	0.0	34	10	6	16.6	3.0	1	0.0	-22.1	0.0	17.2	43.2	10.6	0.0	51	51	0.0	9	70	8
18	4.84		25	1	1	-14.4	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.8	0.0	30.0	32.2	3.6	0.0	49	27	0.0	9	70	8
140	4.84		30	3	1	-9.3	0.0	0.0	35	4	3	17.4	3.0	1	0.0	7.4	0.0	30.0	32.2	3.6	0.0	23	13	0.0	9	135	8
2.5	1.00		70	5	1	6.2	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-0.8	0.0	10.4	26.1	6.4	0.0	2	3	0.0	20	70	8
20	4.84		25	1	1	-20.5	0.0	0.0	34	10	6	16.6	3.0	1	0.0	22.5	0.0	17.2	43.2	10.6	0.0	52	52	0.0	9	70	8
29	4.84		30	3	1	10.9	0.0	0.0	28	9	4	2.3	9.1	1	0.0	1.1	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	395	8
1.86	1.00		70	5	1	-15.5	0.0	0.0	32	9	4	14.3	3.0	1	0.0	-20.7	0.0	17.2	43.2	10.6	0.0	48	48	0.0	9	70	8
21	4.84		25	1	1	-14.7	0.0	0.0	35	7	4	17.4	3.9	1	0.0	18.3	0.0	17.2	43.1	10.4	0.0	42	42	0.0	9	55	8
116	4.84		30	3	1	-14.7	0.0	0.0	35	7	4	17.4	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.6	0.0	0.0	14	1	0	17.4	3.9	1	0.0	9.5	0.0	17.2	43.1	10.4	0.0	22	22	0.0	9	55	8
22	4.84		25	1	1	-14.9	0.0	0.0	35	7	4	17.4	3.9	1	0.0	18.4	0.0	17.2	43.1	10.4	0.0	42	43	0.0	9	55	8
117	4.84		30	3	1	-14.9	0.0	0.0	35	7	4	17.4	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.4	0.0	0.0	14	1	0	17.4	3.9	1	0.0	9.6	0.0	17.2	43.1	10.4	0.0	22	22	0.0	9	55	8
23	4.84		25	1	1	-20.6	0.0	0.0	34	10	6	16.6	3.0	1	0.0	22.3	0.0	17.2	43.2	10.6	0.0	52	52	0.0	9	70	8
32	4.84		30	3	1	10.8	0.0	0.0	28	9	4	2.3	9.1	1	0.0	1.3	0.0	7.8	19.4	4.8	0.0	3	7	0.0	20	395	8
1.86	1.00		70	5	1	-14.9	0.0	0.0	32	8	4	14.3	3.0	1	0.0	-20.2	0.0	17.2	43.2	10.6	0.0	47	47	0.0	9	70	8
24	4.84		25	1	1	-8.7	0.0	0.0	35	4	2	17.4	3.9	1	0.0	13.7	0.0	17.2	43.1	10.4	1.4	32	32	4.5	9	55	8
118	4.84		30	3	1	-8.7	0.0	0.0	35	4	2	17.4	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	1.7	0.0	0.0	14	3	1	17.4	3.9	1	0.0	5.1	0.0	17.2	43.1	10.4	1.4	12	12	4.5	9	55	8
25	4.84		25	1	1	-9.6	0.0	0.0	35	4	3	17.4	3.9	1	0.0	14.2	0.0	17.2	43.1	10.4	1.4	33	33	4.5	9	55	8
119	4.84		30	3	1	-9.6	0.0	0.0	35	4	3	17.4	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	1.3	0.0	0.0	14	2	0	17.4	3.9	1	0.0	5.5	0.0	17.2	43.1	10.4	1.4	13	13	4.5	9	55	8
26	4.84		25	1	1	-20.5	0.0	0.0	34	10	6	16.6	3.0	1	0.0	22.6	0.0	17.2	43.2	10.6	0.0	52	52	0.0	9	70	8
35	4.84		30	3	1	11.3	0.0	0.0	28	10	4	2.3	9.1	1	0.0	1.3	0.0	7.8	19.4	4.8	0.0	3	7	0.0	20	395	8
1.86	1.00		70	5	1	-14.6	0.0	0.0	32	8	4	14.3	3.0	1	0.0	-20.4	0.0	17.2	43.2	10.6	0.0	47	47	0.0	9	70	8
27	4.84		25	1	1	-14.5	0.0	0.0	35	7	4	16.6	3.0	1	0.0	16.0	0.0	30.0	32.2	3.6	0.0	50	28	0.0	9	70	8
148	4.84		30	3	1	-10.6	0.0	0.0	35	5	3	17.4	3.0	1	0.0	8.4	0.0	30.0	32.2	3.6	0.0	26	14	0.0	9	115	8
2.5	1.00		70	5	1	6.8	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.7	0.0	10.4	26.1	6.4	0.0	2	3	0.0	20	70	8
55	4.84		5	1	1	-1.6	0.0	0.0	31	6	3	7.1	3.1	1	0.0	2.7	0.0	23.7	13.3	4.0	0.0	21	21	0.0	12	24	8
56	4.84		40	3	2	2.6	0.0	0.0	32	10	6	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00		24	5	2	-1.6	0.0	0.0	31	6	4	7.1	3.1	1	0.0	-2.8	0.0	23.7	13.3	4.0	0.0	21	21	0.0	12	24	8
2	4.84		5	1	1	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
3	4.84		40	3	1	1.3	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-2.5	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	19	20	0.0	12	24	8
57	4.84		5	1	1	-1.2	0.0	0.0	31	4	3	7.1	3.1	1	0.0	2.3	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
58	4.84		40	3	2	1.9	0.0	0.0	31	7	4	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	3	4	0.0	20	552	8
2.48	1.00		24	5	2	-3.2	0.0	0.0	32	12	7	7.1	3.1	1	0.0	-3.0	0.0	23.7	13.3	4.0	0.0	23	23	0.0	12	24	8
58	4.84		5	1	2	-3.1	0.0	0.0	32	12	7	7.1	3.1	1	0.0	2.8	0.0	23.7	13.3	4.0	0.0	21	21	0.0	12	24	8
59	4.84		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.1	0.0	14.2	8.0	2.4	0.0	1	1	0.0	20	567	8
2.48	1.00		24	5	1	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.7	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
59	4.84		5	1	1	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	19	20	0.0	12	24	8
60	4.84		40	3	1	1.2	0.0	0.0	31	5	3	3.1	7.1	1	0.0	-0.1	0.0	14.2	8.0	2.4	0.0	0	1	0.0	20	547	8
2.48	1.00		24	5	2	-2.9	0.0	0.0	32	11	7	7.1	3.1	1	0.0	-2.7	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
60	4.84		5	1	2	-3.2	0.0	0.0	32	12	7	7.1	3.1	1	0.0	3.0	0.0	23.7	13.3	4.0	0.0	23	23	0.0	12	24	8
61	4.84		40	3	1	1.9	0.0	0.0	31	7	4	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	552	8
2.48	1.00		24	5	1	-1.2	0.0	0.0	31	5	3	7.1	3.1	1	0.0	-2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
7	4.84		5	1	1	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
8	4.84		40	3	1	1.3	0.0	0.0	31	5	3	3.1	7.1	2	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	527	8
2.48	1.00		24	5	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
62	4.84		5	1	2	-1.7	0.0	0.0	31	6	4	7.1	3.1	1	0.0	2.8	0.0	23.7	13.3	4.0	0.0	21	21	0.0	12	24	8
63	4.84		40	3	1	2.6	0.0	0.0	32	10	6	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	1	0.0	20	567	8
2.48	1.00		24	5	1	-1.6	0.0	0.0	31	6	3	7.1	3.1	1	0.0	-2.7	0.0	23.7	13.3	4.0	0.0	20	21	0.0	12	24	8
46	4.84		5	1	1	-1.1	0.0	0.0	31	4	2	7.1	3.1	1	0.0	2.3	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
47	4.84		40	3	1	1.9	0.0	0.0	31	7	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00		24	5	2	-3.6	0.0	0.0	32	14	8	7.1	3.1	1	0.0	-3.2	0.0	23.7	13.3	4.0	0.0	24	24	0.0	12	24	8
47	4.84		5	1	2	-3.6	0.0	0.0	32	14	8	7.1	3.1	1	0.0	3.2	0.0	23.7	13.3	4.0	0.0	24	24	0.0	12	24	8
48	4.84		40	3	1	1.9	0.0	0.0	31	7	4	3.1	7.1	1	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00		24	5	1	-1.1	0.0	0.0	31	4	2	7.1	3.1	1	0.0	-2.3	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
49	4.84		5	1	1	-1.2	0.0	0.0	31	4	2	7.1	3.1	1	0.0	2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
50	4.84		40	3	1	2.0	0.0	0.0	31	7	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00		24	5	2	-3.5	0.0	0.0	32	13	8	7.1	3.1	1	0.0	-3.1	0.0	23.7	13.3	4.0	0.0	24	24	0.0	12	24	8
50	4.84		5	1	2	-3.5	0.0	0.0	32	13	8	7.1	3.1	1	0.0	3.1	0.0	23.7	13.3	4.0	0.0	23	23	0.0	12	24	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
51	4.84		40	3	1	1.8	0.0	0.0	31	7	4	3.1	7.1	1	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	547	8
2.48	1.00		24	5	1	-1.0	0.0	0.0	31	4	2	7.1	3.1	1	0.0	-2.3	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
52	4.84		5	1	1	-1.1	0.0	0.0	31	4	2	7.1	3.1	1	0.0	2.3	0.0	23.7	13.3	4.0	0.0	17	18	0.0	12	24	8
53	4.84		40	3	1	1.9	0.0	0.0	31	7	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	562	8
2.48	1.00		24	5	2	-3.6	0.0	0.0	32	14	8	7.1	3.1	1	0.0	-3.1	0.0	23.7	13.3	4.0	0.0	23	24	0.0	12	24	8
53	4.84		5	1	2	-3.6	0.0	0.0	32	14	8	7.1	3.1	1	0.0	3.2	0.0	23.7	13.3	4.0	0.0	24	24	0.0	12	24	8
54	4.84		40	3	1	1.9	0.0	0.0	31	7	4	3.1	7.1	2	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00		24	5	1	-1.1	0.0	0.0	31	4	2	7.1	3.1	1	0.0	-2.3	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
41	4.84		25	1	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	1	0.0	5.9	0.0	17.2	43.2	10.6	0.0	14	14	0.0	9	70	8
40	4.84		30	3	1	5.7	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-1.5	0.0	7.8	19.4	4.8	0.0	4	8	0.0	20	435	8
1.86	1.00		70	5	1	-9.5	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-8.8	0.0	17.2	43.2	10.6	0.0	20	20	0.0	9	70	8
41	4.84		25	1	1	-0.9	0.0	0.0	35	0	0	17.4	3.0	1	0.0	4.1	0.0	17.2	43.2	10.6	1.4	9	9	4.5	9	70	8
42	4.84		30	3	1	3.9	0.0	0.0	28	3	1	2.3	9.1	1	0.0	-1.0	0.0	7.8	19.4	4.8	1.4	2	5	4.5	20	445	8
1.86	1.00		70	5	1	-6.6	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-6.0	0.0	17.2	43.2	10.6	1.4	14	14	4.5	9	70	8
60	4.84		25	1	1	-12.6	0.0	0.0	34	6	3	16.6	3.0	1	0.0	-16.2	0.0	17.2	43.2	10.6	0.0	37	38	0.0	9	20	8
6	4.84		30	3	1	-12.6	0.0	0.0	35	6	4	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-12.6	0.0	0.0	34	6	3	16.6	3.0	1	0.0	-19.3	0.0	17.2	43.2	10.6	0.0	45	45	0.0	9	20	8
61	4.84		25	1	1	-13.3	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-13.5	1.1	40.4	43.3	4.8	1.4	55	42	4.5	9	20	8
7	4.84		30	3	1	-13.3	0.0	0.0	35	7	4	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	-13.3	0.0	0.0	34	6	4	16.6	3.0	1	0.0	-16.4	1.1	40.4	43.3	4.8	1.4	61	49	4.5	9	20	8
39	4.84		25	1	1	-9.9	0.0	0.0	35	5	3	16.6	3.0	1	0.0	8.6	0.0	17.2	43.2	10.6	0.0	20	20	0.0	9	70	8
62	4.84		30	3	2	3.3	0.0	0.0	27	3	1	2.3	9.1	2	0.0	1.1	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	395	8
1.86	1.00		70	5	1	-4.4	0.0	0.0	34	2	1	16.6	3.0	1	0.0	-6.6	0.0	17.2	43.2	10.6	0.0	15	15	0.0	9	70	8
43	4.84		5	1	1	-1.0	0.0	0.0	31	4	2	7.1	3.1	1	0.0	0.9	0.0	23.7	13.3	4.0	0.0	7	7	0.0	12	24	8
44	4.84		40	3	2	0.4	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	522	8
2.48	1.00		24	5	2	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-0.8	0.0	23.7	13.3	4.0	0.0	6	6	0.0	12	24	8
44	4.84		5	1	1	-1.0	0.0	0.0	31	4	2	7.1	3.1	1	0.0	0.9	0.0	23.7	13.3	4.0	0.0	7	7	0.0	12	24	8
45	4.84		40	3	1	0.5	0.0	0.0	31	2	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	532	8
2.48	1.00		24	5	2	-0.7	0.0	0.0	31	3	2	7.1	3.1	2	0.0	-0.9	0.0	23.7	13.3	4.0	0.0	6	7	0.0	12	24	8
42	4.84		25	1	1	-6.7	0.0	0.0	33	4	2	14.3	3.0	1	0.0	5.8	0.0	17.2	43.2	10.6	1.4	13	13	4.5	9	70	8
43	4.84		30	3	1	3.1	0.0	0.0	27	3	1	2.3	9.1	1	0.0	0.9	0.0	7.8	19.4	4.8	1.4	2	5	4.5	20	425	8
1.86	1.00		70	5	2	-1.2	0.0	0.0	35	1	0	17.4	3.0	1	0.0	-3.8	0.0	17.2	43.2	10.6	1.4	9	9	4.5	9	70	8
40	4.84		25	1	1	-9.5	0.0	0.0	35	5	3	16.6	3.0	1	0.0	8.2	0.0	17.2	43.2	10.6	0.0	19	19	0.0	9	70	8
58	4.84		30	3	2	3.3	0.0	0.0	27	3	1	2.3	9.1	2	0.0	1.2	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	395	8
1.86	1.00		70	5	1	-3.4	0.0	0.0	34	2	1	16.6	3.0	1	0.0	-5.9	0.0	17.2	43.2	10.6	0.0	14	14	0.0	9	70	8
43	4.84		25	1	1	-2.6	0.0	0.0	32	1	1	14.3	3.0	1	0.0	10.9	0.0	17.2	43.2	10.6	0.0	25	25	0.0	9	70	8
37	4.84		30	3	1	10.2	0.0	0.0	28	9	4	2.3	9.1	1	0.0	-2.5	0.0	7.8	19.4	4.8	0.0	6	13	0.0	20	435	8
1.86	1.00		70	5	1	-16.4	0.0	0.0	35	8	5	16.6	3.0	1	0.0	-15.7	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
37	4.84		25	1	1	-16.3	0.0	0.0	35	8	5	16.6	3.0	1	0.0	14.6	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
60	4.84		30	3	2	6.4	0.0	0.0	28	5	2	2.3	9.1	2	0.0	2.2	0.0	7.8	19.4	4.8	0.0	5	11	0.0	20	395	8
1.86	1.00		70	5	1	-5.4	0.0	0.0	34	3	2	16.6	3.0	1	0.0	-10.5	0.0	17.2	43.2	10.6	0.0	24	24	0.0	9	70	8
44	4.84		25	1	1	-2.7	0.0	0.0	32	2	1	14.3	3.0	1	0.0	11.4	0.0	17.2	43.2	10.6	0.0	26	26	0.0	9	70	8
38	4.84		30	3	1	10.7	0.0	0.0	28	9	4	2.3	9.1	1	0.0	-2.6	0.0	7.8	19.4	4.8	0.0	6	13	0.0	20	430	8
1.86	1.00		70	5	1	-16.8	0.0	0.0	35	8	5	16.6	3.0	1	0.0	-16.3	0.0	17.2	43.2	10.6	0.0	38	38	0.0	9	70	8
38	4.84		25	1	1	-16.4	0.0	0.0	35	8	5	16.6	3.0	1	0.0	14.6	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
61	4.84		30	3	2	5.7	0.0	0.0	28	5	2	2.3	9.1	2	0.0	1.9	0.0	7.8	19.4	4.8	0.0	4	10	0.0	20	390	8
1.86	1.00		70	5	1	-7.3	0.0	0.0	34	4	2	16.6	3.0	1	0.0	-11.2	0.0	17.2	43.2	10.6	0.0	26	26	0.0	9	70	8
45	4.84		25	1	1	-1.8	0.0	0.0	32	1	1	14.3	3.0	1	0.0	6.8	0.0	17.2	43.2	10.6	0.0	16	16	0.0	9	70	8
39	4.84		30	3	1	6.3	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-1.5	0.0	7.8	19.4	4.8	0.0	3	8	0.0	20	435	8
1.86	1.00		70	5	1	-9.8	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-9.6	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
1	4.84		25	1	1	-10.1	0.0	0.0	33	6	3	14.3	3.0	1	0.0	13.7	0.0	30.0	32.2	3.6	0.0	42	24	0.0	9	70	8
105	4.84		30	3	1	-10.1	0.0	0.0	33	6	3	14.3	3.0	1	0.0	8.9	0.0	30.0	32.2	3.6	0.0	27	15	0.0	9	50	8
2.5	1.00		70	5	1	6.7	0.0	0.0	28	6	2	2.3	9.1	1	0.0	4.0	0.0	10.4	26.1	6.4	0.0	12	15	0.0	20	70	8
2	4.84		25	1	1	-14.7	0.0	0.0	32	8	4	14.3	3.0	1	0.0	20.5	0.0	17.2	43.2	10.6	0.0	47	47	0.0	9	70	8
11	4.84		30	3	1	11.3	0.0	0.0	28	10	4	2.3	9.1	1	0.0	-0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	395	8
1.86	1.00		70	5	1	-20.7	0.0	0.0	34	10	6	16.6	3.0	1	0.0	-22.7	0.0	17.2	43.2	10.6	0.0	52	53	0.0	9	70	8
3	4.84		25	1	1	-14.6	0.0	0.0	32	8	4	14.3	3.0	1	0.0	20.2	0.0	17.2	43.2	10.6	0.0	47	47	0.0	9	70	8
12	4.84		30	3	1	11.1	0.0	0.0	28	10	4	2.3	9.1	1	0.0	-0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	395	8
1.86	1.00		70	5	1	-20.5	0.0	0.0	34	10	6	16.6	3.0	1	0.0	-22.5	0.0	17.2	43.2	10.6	0.0	52	52	0.0	9	70	8
4	4.84		25	1	1	-17.8	0.0	0.0	34	9	5	16.6	3.0	1	0.0	21.0	0.0	17.2	43.2	10.6	0.0	49	49	0.0	9	70	8
13	4.84		30	3	1	9.9	0.0	0.0	28	9	4	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	395	8
1.86	1.00		70	5	1	-19.5	0.0	0.0	34	10	5	16.6	3.0	1	0.0	-21.7	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
5	4.84		25	1	1	-20.9	0.0	0.0	34	10	6	16.6	3.0	1	0.0	21.8	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
14	4.84		30	3	1	9.0	0.0	0.0	28	8	3	2.3	9.1	2	0.0	0.8	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	395	8
1.86	1.00		70	5	1	-18.1	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-20.7	0.0	17.2	43.2	10.6	0.0	48	48	0.0	9	70	8
8	4.84		25	1	1	-18.2	0.0	0.0	34	9	5	16.6	3.0	1	0.0	21.4	0.0	17.2	43.2	10.6	0.0	49	50	0.0	9	70	8
17	4.84		30	3	1	10.2	0.0	0.0	28	9	4	2.3	9.1	2	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	395	8
1.86	1.00		70	5	1	-19.1	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-21.7	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
9	4.84		25	1	1	-11.1	0.0	0.0	33	6	3	14.3	3.0	1	0.0	13.9	0.0	30.0	32.2	3.6	0.0	43	24	0.0	9	70	8
109	4.84		30	3	1	-11.1	0.0	0.0	33	6	3	14.3	3.0	1	0.0	9.0	0.0	30.0	32.2	3.6	0.0	28	16	0.0	9	50	8
2.5	1.00		70	5	1	6.1	0.0	0.0	28	5	2	2.3	9.1	1	0.0	4.2	0.0	10.4	26.1	6.4	0.0	13	16	0.0	20	70	8
28	4.84		25	1	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	1	0.0	4.4	1.1	40.4	43.3	4.8	1.4	34	21	4.5	9	20	8
46	4.84		30	3	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	2.3	1.1	40.4	43.3	4.8	1.4	29	16	4.5	9	20	8
29	4.84		25	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	9.5	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	20	8
47	4.84		30	3	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	6.3	0.0	17.2	43.2	10.6	0.0	15	15	0.0	9	20	8
31	4.84		25	1	1	-1.4	0.0	0.0	32	1	0	14.3	3.0	1	0.0	4.4	1.2	40.4	43.3	4.8	1.4	34	21	4.5	9	20	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
49	4.84		30	3	1	-1.4	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	2.4	1.2	40.4	43.3	4.8	1.4	29	16	4.5	9	20	8
32	4.84		25	1	1	-3.1	0.0	0.0	32	2	1	14.3	3.0	1	0.0	9.4	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	20	8
50	4.84		30	3	1	-3.1	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-3.1	0.0	0.0	32	2	1	14.3	3.0	1	0.0	6.2	0.0	17.2	43.2	10.6	0.0	14	14	0.0	9	20	8
33	4.84		25	1	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	1	0.0	4.2	-1.0	40.4	43.3	4.8	1.4	32	20	4.5	9	20	8
51	4.84		30	3	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	2.3	-1.0	40.4	43.3	4.8	1.4	27	15	4.5	9	20	8
34	4.84		25	1	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	1	0.0	4.4	1.1	40.4	43.3	4.8	1.4	34	21	4.5	9	20	8
52	4.84		30	3	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	2.3	1.1	40.4	43.3	4.8	1.4	29	16	4.5	9	20	8
35	4.84		25	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	9.5	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	20	8
53	4.84		30	3	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	6.3	0.0	17.2	43.2	10.6	0.0	14	15	0.0	9	20	8
36	4.84		25	1	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	1	0.0	4.4	-1.1	40.4	43.3	4.8	1.4	34	21	4.5	9	20	8
54	4.84		30	3	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	2.3	-1.1	40.4	43.3	4.8	1.4	29	16	4.5	9	20	8
103	4.84		25	1	1	-1.4	0.0	0.0	35	1	0	17.4	3.0	1	0.0	0.0	0.0	10.4	26.1	6.4	0.0	0	0	0.0	20	70	8
59	4.84		30	3	1	-9.3	0.0	0.0	35	4	3	17.4	3.0	1	0.0	-4.9	0.0	10.4	26.1	6.4	0.0	15	19	0.0	20	60	8
2.5	1.00		70	5	1	-9.7	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-9.7	0.0	10.4	26.1	6.4	0.0	30	37	0.0	20	70	8
109	4.84		27	1	1	-0.3	0.0	0.0	26	3	1	3.1	3.1	1	0.0	1.2	0.0	7.9	7.9	0.7	0.0	15	12	0.0	16	21	8
110	4.84		24	3	2	0.6	0.0	0.0	27	5	2	3.1	3.1	1	0.0	1.0	0.0	7.9	7.9	0.7	0.0	12	10	0.0	16	237	8
2.5	1.00		24	5	1	0.0	0.0	0.0	26	0	0	3.1	3.1	1	0.0	-1.0	0.0	7.9	7.9	0.7	0.0	12	10	0.0	16	21	8
107	4.84		27	1	2	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	24	8
154	4.84		24	3	1	-0.9	0.0	0.0	24	10	4	2.3	2.3	1	0.0	-1.7	0.0	8.0	8.0	1.3	0.0	21	21	0.0	20	7	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	24	10	4	2.3	2.3	1	0.0	-2.4	0.0	8.0	8.0	1.3	0.0	29	29	0.0	20	24	8
108	4.84		27	1	1	-0.3	0.0	0.0	26	3	1	3.1	3.1	1	0.0	1.2	0.0	7.9	7.9	0.7	0.0	15	12	0.0	16	21	8
111	4.84		24	3	2	0.6	0.0	0.0	27	5	2	3.1	3.1	1	0.0	1.0	0.0	7.9	7.9	0.7	0.0	12	10	0.0	16	237	8
2.5	1.00		24	5	1	0.0	0.0	0.0	26	0	0	3.1	3.1	1	0.0	-1.0	0.0	7.9	7.9	0.7	0.0	12	10	0.0	16	21	8
106	4.84		27	1	1	0.0	0.0	0.0	26	0	0	3.1	3.1	1	0.0	1.0	0.0	7.9	7.9	0.7	0.0	12	10	0.0	16	21	8
105	4.84		24	3	2	0.6	0.0	0.0	27	5	2	3.1	3.1	1	0.0	-1.0	0.0	7.9	7.9	0.7	0.0	12	10	0.0	16	237	8
2.5	1.00		24	5	1	-0.3	0.0	0.0	26	3	1	3.1	3.1	1	0.0	-1.2	0.0	7.9	7.9	0.7	0.0	15	12	0.0	16	21	8
110	4.84		27	1	2	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	24	8
157	4.84		24	3	1	-0.9	0.0	0.0	24	10	4	2.3	2.3	1	0.0	-1.7	0.0	8.0	8.0	1.3	0.0	21	21	0.0	20	7	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	24	10	4	2.3	2.3	1	0.0	-2.4	0.0	8.0	8.0	1.3	0.0	29	29	0.0	20	24	8
107	4.84		27	1	1	0.0	0.0	0.0	26	0	0	3.1	3.1	1	0.0	1.0	0.0	7.9	7.9	0.7	0.0	12	10	0.0	16	21	8
104	4.84		24	3	2	0.6	0.0	0.0	27	5	2	3.1	3.1	1	0.0	-1.0	0.0	7.9	7.9	0.7	0.0	12	10	0.0	16	237	8
2.5	1.00		24	5	1	-0.3	0.0	0.0	26	3	1	3.1	3.1	1	0.0	-1.2	0.0	7.9	7.9	0.7	0.0	15	12	0.0	16	21	8
116	4.84		5	1	1	0.5	0.0	0.0	29	2	1	6.8	6.8	1	0.0	2.2	0.0	14.4	8.1	2.5	0.0	17	27	0.0	20	24	8
138	4.84		40	3	1	0.8	0.0	0.0	29	3	2	6.8	6.8	1	0.0	-1.2	0.0	14.4	8.1	2.5	0.0	9	14	0.0	20	172	8
2.5	1.00		24	5	1	-2.7	0.0	0.0	30	11	6	6.8	6.8	1	0.0	-4.7	0.0	14.4	8.1	2.5	0.0	35	58	0.0	20	24	8
24	4.84		5	1	1	-6.2	0.0	0.0	0	999	999	6.8	6.8	1	0.0	6.8	0.0	14.4	8.1	2.5	0.0	51	84	0.0	20	24	8
25	4.84		40	3	1	3.4	0.0	0.0	30	13	7	6.8	6.8	1	0.0	-0.1	0.0	14.4	8.1	2.5	0.0	0	1	0.0	20	522	8
NoVer.	1.00		24	5	1	-6.2	0.0	0.0	0	999	999	6.8	6.8	1	0.0	-6.8	0.0	14.4	8.1	2.5	0.0	51	84	0.0	20	24	8
151	4.84		27	1	1	-1.9	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.2	0.0	8.0	8.0	1.3	0.0	40	40	0.0	20	24	8
106	4.84		24	3	1	-1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	2.1	0.0	8.0	8.0	1.3	0.0	26	26	0.0	20	42	8
NoVer.	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	24	8
150	4.84		27	1	1	-1.7	0.0	0.0	23	23	8	2.3	2.3	1	0.0	3.5	0.0	8.0	8.0	1.3	0.0	44	44	0.0	20	24	8
151	4.84		24	3	1	0.8	0.0	0.0	24	9	3	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00		24	5	1	-1.7	0.0	0.0	18	45	12	2.3	2.3	1	0.0	-3.5	0.0	8.0	8.0	1.3	0.0	44	44	0.0	20	24	8
152	4.84		27	1	1	-1.9	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.8	0.0	8.0	8.0	1.3	0.0	47	47	0.0	20	24	8
153	4.84		24	3	1	0.9	0.0	0.0	24	11	4	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
NoVer.	1.00		24	5	1	-1.9	0.0	0.0	0	999	999	2.3	2.3	1	0.0	-3.8	0.0	8.0	8.0	1.3	0.0	47	47	0.0	20	24	8
153	4.84		27	1	1	-1.9	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.8	0.0	8.0	8.0	1.3	0.0	47	47	0.0	20	24	8
150	4.84		24	3	1	1.0	0.0	0.0	24	11	4	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
NoVer.	1.00		24	5	1	-1.8	0.0	0.0	0	999	999	2.3	2.3	1	0.0	-3.8	0.0	8.0	8.0	1.3	0.0	47	47	0.0	20	24	8
154	4.84		27	1	1	-1.8	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.9	0.0	8.0	8.0	1.3	0.0	48	48	0.0	20	24	8
152	4.84		24	3	1	1.2	0.0	0.0	24	13	5	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	267	8
NoVer.	1.00		24	5	1	-2.1	0.0	0.0	0	999	999	2.3	2.3	1	0.0	-4.1	0.0	8.0	8.0	1.3	0.0	51	51	0.0	20	24	8
155	4.84		27	1	1	-1.9	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.8	0.0	8.0	8.0	1.3	0.0	47	47	0.0	20	24	8
158	4.84		24	3	1	1.0	0.0	0.0	24	11	4	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
NoVer.	1.00		24	5	1	-1.8	0.0	0.0	0	999	999	2.3	2.3	1	0.0	-3.8	0.0	8.0	8.0	1.3	0.0	47	47	0.0	20	24	8
156	4.84		27	1	1	-1.9	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.8	0.0	8.0	8.0	1.3	0.0	47	47	0.0	20	24	8
155	4.84		24	3	1	0.9	0.0	0.0	24	11	4	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
NoVer.	1.00		24	5	1	-1.9	0.0	0.0	0	999	999	2.3	2.3	1	0.0	-3.8	0.0	8.0	8.0	1.3	0.0	47	47	0.0	20	24	8
157	4.84		27	1	1	-1.8	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.9	0.0	8.0	8.0	1.3	0.0	48	48	0.0	20	24	8
156	4.84		24	3	1	1.2	0.0	0.0	24	13	5	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	267	8
NoVer.	1.00		24	5	1	-2.1	0.0	0.0	0	999	999	2.3	2.3	1	0.0	-4.1	0.0	8.0	8.0	1.3	0.0	51	51	0.0	20	24	8
158	4.84		27	1	1	-1.7	0.0	0.0	24	20	8	2.3	2.3	1	0.0	3.5	0.0	8.0	8.0	1.3	0.0	44	44	0.0	20	24	8
159	4.84		24	3	1	0.8	0.0	0.0	24	9	3	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00		24	5	1	-1.7	0.0	0.0	18	50	13	2.3	2.3	1	0.0	-3.5	0.0	8.0	8.0	1.3	0.0	44	44	0.0	20	24	8
159	4.84		27	1	1	-1.9	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.2	0.0	8.0	8.0	1.3	0.0	40	40	0.0	20	24	8
111	4.84		24	3	1	-1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	2.1	0.0	8.0	8.0	1.3	0.0	26	26	0.0	20	42	8
NoVer.	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	2	0.0	1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	24	8
138	4.84		5	1	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.2	0.0	14.4	8.1	2.5	0.0	2	3	0.0	20	24	8
139	4.84		40	3	1	0.0	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	112	8
2.5	1.00		24	5	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-0.2	0.0	14.4	8.1	2.5	0.0	2	3	0.0	20	24	8
139	4.84		5	1	1	-2.7	0.0	0.0	30	11	6	6.8	6.8	1	0.0	4.7	0.0	14.4	8.1	2.5	0.0	35	58	0.0	20	24	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Con c	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
117	4.84		40	3	1	0.8	0.0	0.0	29	3	2	6.8	6.8	1	0.0	1.3	0.0	14.4	8.1	2.5	0.0	10	16	0.0	20	172	8
2.5	1.00		24	5	1	0.5	0.0	0.0	29	2	1	6.8	6.8	1	0.0	-2.2	0.0	14.4	8.1	2.5	0.0	17	27	0.0	20	24	8
167	4.84		33	1	1	-0.9	0.0	0.0	27	3	1	7.7	7.7	1	0.0	1.1	0.0	38.9	13.9	6.4	0.0	4	8	0.0	15	24	8
168	4.84		60	3	1	0.5	0.0	0.0	26	2	1	7.7	7.7	1	0.0	0.0	0.0	38.9	13.9	6.4	0.0	0	0	0.0	15	442	8
2.5	1.00		24	5	2	-0.9	0.0	0.0	27	3	1	7.7	7.7	1	0.0	-1.1	0.0	38.9	13.9	6.4	0.0	4	8	0.0	15	24	8
165	4.84		32	1	1	-0.5	0.3	0.0	25	2	1	7.7	7.7	1	0.2	0.8	0.0	45.9	13.9	7.7	0.0	3	6	0.0	15	24	8
142	4.84		70	3	2	0.1	-0.2	0.0	25	0	0	7.7	7.7	1	0.2	0.1	0.0	45.9	13.9	7.7	0.0	1	1	0.0	15	197	8
2.5	1.00		24	5	2	-0.1	-0.3	0.0	25	0	0	7.7	7.7	1	0.2	-0.5	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
165	4.84		7	1	1	-0.9	0.0	0.0	20	1	0	6.0	4.6	1	0.0	2.3	0.0	25.0	38.9	12.9	0.0	4	6	0.0	15	60	8
167	4.84		40	3	1	-0.9	0.0	0.0	20	1	0	6.0	4.6	1	0.0	0.6	0.0	25.0	38.9	12.9	0.0	1	2	0.0	15	15	8
2.5	1.00		60	5	1	-0.2	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-1.2	0.0	25.0	38.9	12.9	0.0	2	3	0.0	15	60	8
166	4.84		7	1	1	-1.0	0.0	0.0	20	2	0	6.0	4.6	1	0.0	2.4	0.0	25.0	38.9	12.9	0.0	4	6	0.0	15	60	8
168	4.84		40	3	1	-1.0	0.0	0.0	20	2	0	6.0	4.6	1	0.0	0.7	0.0	25.0	38.9	12.9	0.0	1	2	0.0	15	15	8
2.5	1.00		60	5	1	-0.2	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-1.1	0.0	25.0	38.9	12.9	0.0	2	3	0.0	15	60	8
104	4.84		25	1	1	6.3	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-4.0	0.0	10.4	26.1	6.4	0.0	12	15	0.0	20	70	8
28	4.84		30	3	1	-10.5	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-8.8	0.0	30.0	32.2	3.6	0.0	27	15	0.0	9	50	8
2.5	1.00		70	5	1	-10.5	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-13.7	0.0	30.0	32.2	3.6	0.0	42	24	0.0	9	70	8
114	4.84		25	1	1	6.9	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.5	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	27	8
104	4.84		30	3	1	6.9	0.0	0.0	28	6	2	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00		70	5	1	6.9	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-2.8	0.0	10.4	26.1	6.4	0.0	9	11	0.0	20	27	8
112	4.84		25	1	1	6.2	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.9	0.0	10.4	26.1	6.4	0.0	3	3	0.0	20	70	8
19	4.84		30	3	1	-8.9	0.0	0.0	35	4	2	17.4	3.0	1	0.0	-7.5	0.0	30.0	32.2	3.6	0.0	23	13	0.0	9	135	8
2.5	1.00		70	5	1	-14.0	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.6	0.0	30.0	32.2	3.6	0.0	49	27	0.0	9	70	8
10	4.84		25	1	1	-13.7	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.5	0.0	30.0	32.2	3.6	0.0	48	27	0.0	9	70	8
112	4.84		30	3	1	-8.6	0.0	0.0	35	4	2	17.4	3.0	1	0.0	7.1	0.0	30.0	32.2	3.6	0.0	22	12	0.0	9	135	8
2.5	1.00		70	5	1	6.2	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-1.0	0.0	10.4	26.1	6.4	0.0	3	4	0.0	20	70	8
105	4.84		25	1	1	7.1	0.0	0.0	28	6	3	2.3	9.1	1	0.0	2.8	0.0	10.4	26.1	6.4	0.0	9	11	0.0	20	45	8
113	4.84		30	3	1	7.3	0.0	0.0	28	6	3	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00		70	5	1	7.0	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-2.6	0.0	10.4	26.1	6.4	0.0	8	10	0.0	20	45	8
113	4.84		25	1	1	6.8	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-0.5	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	70	8
10	4.84		30	3	1	-10.2	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-8.2	0.0	30.0	32.2	3.6	0.0	25	14	0.0	9	115	8
2.5	1.00		70	5	1	-14.0	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.8	0.0	30.0	32.2	3.6	0.0	49	27	0.0	9	70	8
116	4.84		25	1	1	4.3	0.0	0.0	13	11	2	16.6	3.0	1	0.0	7.3	0.0	17.2	43.2	10.6	0.0	17	17	0.0	9	70	8
30	4.84		30	3	1	6.0	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-2.1	0.0	7.8	19.4	4.8	0.0	5	11	0.0	20	285	8
1.86	1.00		70	5	1	-9.5	0.0	0.0	33	5	3	14.3	3.0	1	0.0	-11.8	0.0	17.2	43.2	10.6	0.0	27	27	0.0	9	70	8
118	4.84		25	1	1	4.2	0.0	0.0	13	10	2	16.6	3.0	1	0.0	5.1	0.0	17.2	43.2	10.6	1.4	12	12	4.5	9	70	8
165	4.84		30	3	1	4.6	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-3.5	0.0	7.8	19.4	4.8	0.0	8	18	0.0	20	250	8
1.86	1.00		70	5	1	-11.9	0.0	0.0	33	7	4	14.3	3.0	1	0.0	-12.0	0.0	17.2	43.2	10.6	0.0	28	28	0.0	9	70	8
117	4.84		25	1	2	3.8	0.0	0.0	13	9	1	16.6	3.0	1	0.0	7.4	0.0	17.2	43.2	10.6	0.0	17	17	0.0	9	70	8
31	4.84		30	3	1	6.0	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-2.1	0.0	7.8	19.4	4.8	0.0	5	11	0.0	20	285	8
1.86	1.00		70	5	1	-9.3	0.0	0.0	33	5	3	14.3	3.0	1	0.0	-11.8	0.0	17.2	43.2	10.6	0.0	27	27	0.0	9	70	8
30	4.84		25	1	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	1	0.0	4.4	-1.1	40.4	43.3	4.8	1.4	34	21	4.5	9	20	8
48	4.84		30	3	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	2.3	-1.1	40.4	43.3	4.8	1.4	29	16	4.5	9	20	8
119	4.84		25	1	1	4.0	0.0	0.0	13	10	2	16.6	3.0	1	0.0	5.5	0.0	17.2	43.2	10.6	1.4	13	13	4.5	9	70	8
166	4.84		30	3	1	4.6	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-3.3	0.0	7.8	19.4	4.8	0.0	8	17	0.0	20	250	8
1.86	1.00		70	5	1	-11.5	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-12.0	0.0	17.2	43.2	10.6	0.0	28	28	0.0	9	70	8
108	4.84		25	1	1	6.9	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-3.8	0.0	10.4	26.1	6.4	0.0	12	15	0.0	20	70	8
36	4.84		30	3	1	-9.6	0.0	0.0	33	5	3	14.3	3.0	1	0.0	-8.7	0.0	30.0	32.2	3.6	0.0	27	15	0.0	9	50	8
2.5	1.00		70	5	1	-9.6	0.0	0.0	33	5	3	14.3	3.0	1	0.0	-13.5	0.0	30.0	32.2	3.6	0.0	42	23	0.0	9	70	8
148	4.84		25	1	1	7.2	0.0	0.0	28	6	3	2.3	9.1	1	0.0	2.8	0.0	10.4	26.1	6.4	0.0	9	11	0.0	20	45	8
108	4.84		30	3	1	7.5	0.0	0.0	28	6	3	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00		70	5	1	7.1	0.0	0.0	28	6	3	2.3	9.1	1	0.0	-2.7	0.0	10.4	26.1	6.4	0.0	8	10	0.0	20	45	8
140	4.84		25	1	1	6.2	0.0	0.0	28	5	2	2.3	9.1	1	0.0	1.2	0.0	10.4	26.1	6.4	0.0	4	5	0.0	20	70	8
27	4.84		30	3	1	-8.3	0.0	0.0	35	4	2	17.4	3.0	1	0.0	-7.2	0.0	30.0	32.2	3.6	0.0	22	12	0.0	9	135	8
2.5	1.00		70	5	1	-13.3	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-15.4	0.0	30.0	32.2	3.6	0.0	48	26	0.0	9	70	8
109	4.84		25	1	1	6.8	0.0	0.0	28	6	2	2.3	9.1	1	0.0	3.0	0.0	10.4	26.1	6.4	0.0	9	12	0.0	20	28	8
144	4.84		30	3	1	6.8	0.0	0.0	28	6	2	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00		70	5	1	6.8	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-0.3	0.0	10.4	26.1	6.4	0.0	1	1	0.0	20	28	8
144	4.84		25	1	1	6.8	0.0	0.0	28	6	2	2.3	9.1	1	0.0	1.8	0.0	10.4	26.1	6.4	0.0	6	7	0.0	20	70	8
18	4.84		30	3	1	7.1	0.0	0.0	12	17	3	17.4	3.0	1	0.0	-6.9	0.0	30.0	32.2	3.6	0.0	21	12	0.0	9	150	8
2.5	1.00		70	5	1	-13.3	0.0	0.0	34	6	4	16.6	3.0	1	0.0	-15.7	0.0	30.0	32.2	3.6	0.0	49	27	0.0	9	70	8
142	4.84		32	1	1	-0.2	-0.3	0.0	25	1	0	7.7	7.7	1	-0.2	0.6	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
166	4.84		70	3	2	0.1	-0.2	0.0	25	0	0	7.7	7.7	1	-0.2	-0.1	0.0	38.3	33.9	4.3	0.0	1	1	0.0	15	197	8
2.5	1.00		24	5	1	-0.4	0.3	0.0	25	1	1	7.7	7.7	1	-0.2	-0.8	0.0	45.9	13.9	7.7	0.0	3	5	0.0	15	24	8
134	7.46		2	1	1	-0.4	0.0	0.0	20	2	1	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
129	7.46		30	3	1	-5.6	0.0	0.0	29	13	6	6.2	2.3	1	0.0	-4.3	0.0	10.4	14.4	3.4	0.4	24	30	2.3	20	110	8
2.5	1.00		40	5	1	-8.2	0.0	0.0	21	43	13	6.2	2.3	1	0.0	-8.7	0.0	10.4	14.4	3.4	0.4	49	60	2.3	20	40	8
129	7.46		2	1	1	-0.1	0.0	0.3	20	0	0	6.2	2.3	1	0.0	0.4	0.0	10.4	14.4	3.4	0.0	2	2	0.0	20	40	8
130	5.84		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	162	8
2.5	1.00		40	5	1	-0.1	0.0	-0.3	37	0	0	6.2	2.3	1	0.0	-0.4	0.0	10.4	14.4	3.4	0.0	2	2	0.0	20	40	8
130	5.84		2	1	1	-8.4	0.0	0.0	18	73	17	6.2	2.3	1	0.0	8.8	0.0	10.4	14.4	3.4	0.4	50	61	2.3	20	40	8
135	5.84		30	3	1	-5.7	0.0	0.0	29	13	6	6.2	2.3	1	0.0	4.4	0.0	10.4	14.4	3.4	0.4	25	31	2.3	20	110	8
2.5	1.00		40	5	1	-0.4	0.0	0.0	20	2	1	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
136	7.46		2	1	1	-0.4	0.0	0.0	20	2	1	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
132	7.46		30	3	1	-5.6	0.0	0.0	29	13	6	6.2	2.3	1	0.0	-4.3	0.0	10.4	14.4	3.4	0.4	24	30	2.3	20	110	8
2.5	1.00		40	5	1	-8.2	0.0	0.0	21	43	13	6.2	2.3	1	0.0	-8.7	0.0	10.4	14.4	3.4	0.4	49	60	2.3	20	40	8
132	7.46		2	1	1	-0.1	0.0	0.3	20	0	0	6.2	2.3	1	0.0	0.4	0.0	10.4	14.4	3.4	0.0	2	2	0.0	20	40	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
133	5.84		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	162	8
2.5	1.00		40	5	1	-0.1	0.0	-0.3	37	0	0	6.2	2.3	1	0.0	-0.4	0.0	10.4	14.4	3.4	0.0	2	2	0.0	20	40	8
133	5.84		2	1	1	-8.4	0.0	0.0	18	73	17	6.2	2.3	1	0.0	8.8	0.0	10.4	14.4	3.4	0.4	50	61	2.3	20	40	8
137	5.84		30	3	1	-5.7	0.0	0.0	29	13	6	6.2	2.3	1	0.0	4.4	0.0	10.4	14.4	3.4	0.4	25	31	2.3	20	110	8
2.5	1.00		40	5	1	-0.4	0.0	0.0	20	2	1	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
64	8.28		25	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-2.7	-1.0	30.0	32.2	3.6	1.1	38	27	4.5	20	45	8
1	8.28		30	3	1	-4.5	0.0	0.0	32	3	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-4.5	0.0	0.0	32	3	1	14.3	3.0	1	0.0	-7.3	-1.0	30.0	32.2	3.6	1.1	52	20	4.5	9	45	8
10	8.28		25	1	1	-15.6	0.0	0.0	35	8	4	16.6	3.0	1	0.0	16.8	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
19	8.28		30	3	1	7.7	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	420	8
1.86	1.00		70	5	1	-16.1	0.0	0.0	35	8	4	16.6	3.0	1	0.0	-16.9	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
19	8.28		25	1	1	-15.7	0.0	0.0	34	8	4	16.6	3.0	1	0.0	17.3	0.0	30.0	32.2	3.6	0.0	54	30	0.0	9	70	8
104	8.28		30	3	1	9.3	0.0	0.0	0	999	999	16.6	3.0	1	0.0	6.8	0.0	30.0	32.2	3.6	0.0	21	12	0.0	9	210	8
NoVer.	1.00		70	5	1	9.2	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-3.7	0.0	10.4	26.1	6.4	0.0	12	14	0.0	20	70	8
65	8.28		25	1	1	-3.6	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-2.8	1.1	30.0	32.2	3.6	1.1	38	27	4.5	20	45	8
2	8.28		30	3	1	-4.5	0.0	0.0	32	3	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-4.5	0.0	0.0	32	3	1	14.3	3.0	1	0.0	-7.3	1.1	30.0	32.2	3.6	1.1	52	20	4.5	9	45	8
66	8.28		25	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-2.2	-0.7	30.0	32.2	3.6	1.1	26	20	4.5	20	45	8
3	8.28		30	3	1	-4.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-4.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-6.7	-0.7	30.0	32.2	3.6	1.1	40	16	4.5	9	45	8
67	8.28		25	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-6.0	0.0	10.4	26.1	6.4	0.0	19	23	0.0	20	45	8
4	8.28		30	3	1	-8.6	0.0	0.0	33	5	3	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-8.6	0.0	0.0	33	5	3	14.3	3.0	1	0.0	-13.2	0.0	30.0	32.2	3.6	0.0	41	23	0.0	9	45	8
68	8.28		25	1	1	-6.3	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-5.2	0.0	10.4	26.1	6.4	0.0	16	20	0.0	20	45	8
5	8.28		30	3	1	-7.9	0.0	0.0	33	4	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-7.9	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-12.4	0.0	30.0	32.2	3.6	0.0	38	21	0.0	9	45	8
6	8.28		25	1	1	-15.3	0.0	0.0	32	9	4	14.3	3.0	1	0.0	20.5	0.0	17.2	43.2	10.6	0.0	47	47	0.0	9	70	8
15	8.28		30	3	1	11.4	0.0	0.0	28	10	4	2.3	9.1	1	0.0	-1.1	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	410	8
1.86	1.00		70	5	1	-21.4	0.0	0.0	34	10	6	16.6	3.0	1	0.0	-22.7	0.0	17.2	43.2	10.6	0.0	52	53	0.0	9	70	8
7	8.28		25	1	1	-13.6	0.0	0.0	32	8	4	14.3	3.0	1	0.0	20.4	0.0	17.2	43.2	10.6	0.0	47	47	0.0	9	70	8
16	8.28		30	3	1	12.5	0.0	0.0	28	11	5	2.3	9.1	1	0.0	-1.5	0.0	7.8	19.4	4.8	0.0	3	8	0.0	20	410	8
1.86	1.00		70	5	1	-21.8	0.0	0.0	34	11	6	16.6	3.0	1	0.0	-23.4	0.0	17.2	43.2	10.6	0.0	54	54	0.0	9	70	8
71	8.28		25	1	1	-3.6	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-2.8	-1.1	30.0	32.2	3.6	1.1	38	27	4.5	20	45	8
8	8.28		30	3	1	-4.5	0.0	0.0	32	3	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-4.5	0.0	0.0	32	3	1	14.3	3.0	1	0.0	-7.3	-1.1	30.0	32.2	3.6	1.1	52	20	4.5	9	45	8
72	8.28		25	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-2.7	1.0	30.0	32.2	3.6	1.1	37	27	4.5	20	45	8
9	8.28		30	3	1	-4.5	0.0	0.0	32	3	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-4.5	0.0	0.0	32	3	1	14.3	3.0	1	0.0	-7.2	1.0	30.0	32.2	3.6	1.1	51	20	4.5	9	45	8
11	8.28		25	1	1	-21.2	0.0	0.0	34	10	6	16.6	3.0	1	0.0	22.6	0.0	17.2	43.2	10.6	0.0	52	52	0.0	9	70	8
20	8.28		30	3	1	10.4	0.0	0.0	28	9	4	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	420	8
1.86	1.00		70	5	1	-21.3	0.0	0.0	34	10	6	16.6	3.0	1	0.0	-22.6	0.0	17.2	43.2	10.6	0.0	52	52	0.0	9	70	8
12	8.28		25	1	1	-22.1	0.0	0.0	34	11	6	16.6	3.0	1	0.0	23.1	0.0	17.2	43.2	10.6	0.0	53	53	0.0	9	70	8
21	8.28		30	3	1	11.2	0.0	0.0	28	10	4	2.3	9.1	1	0.0	0.7	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	420	8
1.86	1.00		70	5	1	-18.2	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-21.7	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
13	8.28		25	1	1	-22.1	0.0	0.0	34	11	6	16.6	3.0	1	0.0	23.1	0.0	17.2	43.2	10.6	0.0	53	53	0.0	9	70	8
22	8.28		30	3	1	11.2	0.0	0.0	28	10	4	2.3	9.1	1	0.0	0.7	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	420	8
1.86	1.00		70	5	1	-18.2	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-21.7	0.0	17.2	43.2	10.6	0.0	50	50	0.0	9	70	8
14	8.28		25	1	1	-21.5	0.0	0.0	34	10	6	16.6	3.0	1	0.0	22.4	0.0	17.2	43.2	10.6	0.0	52	52	0.0	9	70	8
23	8.28		30	3	1	10.1	0.0	0.0	28	9	4	2.3	9.1	1	0.0	0.2	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	420	8
1.86	1.00		70	5	1	-20.6	0.0	0.0	34	10	6	16.6	3.0	1	0.0	-22.1	0.0	17.2	43.2	10.6	0.0	51	51	0.0	9	70	8
15	8.28		25	1	1	-22.4	0.0	0.0	34	11	6	16.6	3.0	1	0.0	23.0	0.0	17.2	43.2	10.6	0.0	53	53	0.0	9	70	8
24	8.28		30	3	1	11.1	0.0	0.0	28	10	4	2.3	9.1	1	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	420	8
1.86	1.00		70	5	1	-17.1	0.0	0.0	34	8	5	16.6	3.0	1	0.0	-21.1	0.0	17.2	43.2	10.6	0.0	49	49	0.0	9	70	8
16	8.28		25	1	1	-22.5	0.0	0.0	34	11	6	16.6	3.0	1	0.0	23.1	0.0	17.2	43.2	10.6	0.0	53	54	0.0	9	70	8
25	8.28		30	3	1	11.2	0.0	0.0	28	10	4	2.3	9.1	1	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	420	8
1.86	1.00		70	5	1	-17.6	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-21.4	0.0	17.2	43.2	10.6	0.0	49	50	0.0	9	70	8
17	8.28		25	1	1	-22.2	0.0	0.0	34	11	6	16.6	3.0	1	0.0	22.9	0.0	17.2	43.2	10.6	0.0	53	53	0.0	9	70	8
26	8.28		30	3	1	10.3	0.0	0.0	28	9	4	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	420	8
1.86	1.00		70	5	1	-20.3	0.0	0.0	34	10	6	16.6	3.0	1	0.0	-22.2	0.0	17.2	43.2	10.6	0.0	51	51	0.0	9	70	8
18	8.28		25	1	1	-16.4	0.0	0.0	35	8	5	16.6	3.0	1	0.0	17.0	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
27	8.28		30	3	1	7.7	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.2	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	420	8
1.86	1.00		70	5	1	-15.3	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-16.7	0.0	17.2	43.2	10.6	0.0	38	39	0.0	9	70	8
20	8.28		25	1	1	-21.1	0.0	0.0	34	10	6	16.6	3.0	1	0.0	23.0	0.0	17.2	43.2	10.6	0.0	53	53	0.0	9	70	8
29	8.28		30	3	1	11.7	0.0	0.0	28	10	4	2.3	9.1	1	0.0	0.8	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	410	8
1.86	1.00		70	5	1	-16.7	0.0	0.0	32	9	5	14.3	3.0	1	0.0	-21.4	0.0	17.2	43.2	10.6	0.0	49	50	0.0	9	70	8
21	8.28		25	1	1	-15.3	0.0	0.0	34	7	4	16.6	3.0	1	0.0	18.5	0.0	17.2	43.2	10.6	0.0	43	43	0.0	9	58	8
116	8.28		30	3	1	-15.3	0.0	0.0	35	8	4	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.7	0.0	0.0	12	2	0	16.6	3.0	1	0.0	9.3	0.0	17.2	43.2	10.6	0.0	21	21	0.0	9	58	8
22	8.28		25	1	1	-15.4	0.0	0.0	34	8	4	16.6	3.0	1	0.0	18.5	0.0	17.2	43.2	10.6	0.0	43	43	0.0	9	58	8
117	8.28		30	3	1	-15.4	0.0	0.0	35	8	4	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.6	0.0	0.0	12	1	0	16.6	3.0	1	0.0	9.4	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	58	8
23	8.28		25	1	1	-21.1	0.0	0.0	34	10	6	16.6	3.0	1	0.0	22.8	0.0	17.2	43.2	10.6	0.0	52	53	0.0	9	70	8
32	8.28		30	3	1	11.6	0.0	0.0	28	10	4	2.3	9.1	1	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	410	8
1.86	1.00		70	5	1	-16.0	0.0	0.0	32	9	5	14.3	3.0	1	0.0	-21.0	0.0	17.2	43.2	10.6	0.0	48	49	0.0	9	70	8
24	8.28		25	1	1	-7.7	0.0	0.0	34	4	2	16.6	3.0	1	0.0	13.4	0.0	17.2	43.2	10.6	1.4	31	31	4.5	9	58	8
118	8.28		30	3	1	-7.7	0.0	0.0	35	4	2	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	2.4	0.0	0.0	13	6	1	16.6	3.0	1	0.0	4.3	0.0	17.2	43.2	10.6	1.4	10	10	4.5	9	58	8
25	8.28		25	1	1	-8.4	0.0	0.0	34	4	2	16.6	3.0	1	0.0	13.8	0.0	17.2	43.2	10.6	1.4	32	32	4.5	9	58	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Con c	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
119	8.28		30	3	1	-8.4	0.0	0.0	35	4	2	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	2.2	0.0	0.0	13	5	1	16.6	3.0	1	0.0	4.6	0.0	17.2	43.2	10.6	1.4	11	11	4.5	9	58	8
26	8.28		25	1	1	-21.6	0.0	0.0	34	11	6	16.6	3.0	1	0.0	23.2	0.0	17.2	43.2	10.6	0.0	53	54	0.0	9	70	8
35	8.28		30	3	1	11.7	0.0	0.0	28	10	4	2.3	9.1	1	0.0	1.0	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	410	8
1.86	1.00		70	5	1	-15.9	0.0	0.0	32	9	5	14.3	3.0	1	0.0	-21.1	0.0	17.2	43.2	10.6	0.0	49	49	0.0	9	70	8
27	8.28		25	1	1	-16.7	0.0	0.0	34	8	5	16.6	3.0	1	0.0	17.7	0.0	30.0	32.2	3.6	0.0	55	31	0.0	9	70	8
108	8.28		30	3	1	9.4	0.0	0.0	0	999	999	16.6	3.0	1	0.0	7.2	0.0	30.0	32.2	3.6	0.0	22	12	0.0	9	210	8
NoVer.	1.00		70	5	1	9.3	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-3.3	0.0	10.4	26.1	6.4	0.0	10	13	0.0	20	70	8
64	8.28		5	1	1	-1.0	0.0	0.0	31	4	2	7.1	3.1	1	0.0	2.7	0.0	23.7	13.3	4.0	0.0	21	21	0.0	12	24	8
65	8.28		40	3	1	3.2	0.0	0.0	32	12	7	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00		24	5	2	-1.1	0.0	0.0	31	4	2	7.1	3.1	1	0.0	-2.8	0.0	23.7	13.3	4.0	0.0	21	21	0.0	12	24	8
2	8.28		5	1	1	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
3	8.28		40	3	1	1.3	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	19	20	0.0	12	24	8
66	8.28		5	1	1	-0.7	0.0	0.0	31	3	1	7.1	3.1	1	0.0	2.2	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
67	8.28		40	3	1	2.1	0.0	0.0	32	8	5	3.1	7.1	2	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	6	0.0	20	552	8
2.48	1.00		24	5	2	-3.3	0.0	0.0	32	13	8	7.1	3.1	2	0.0	-3.1	0.0	23.7	13.3	4.0	0.0	23	23	0.0	12	24	8
67	8.28		5	1	2	-3.2	0.0	0.0	32	12	7	7.1	3.1	1	0.0	2.9	0.0	23.7	13.3	4.0	0.0	21	22	0.0	12	24	8
68	8.28		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.1	0.0	14.2	8.0	2.4	0.0	1	2	0.0	20	567	8
2.48	1.00		24	5	1	-2.5	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
68	8.28		5	1	1	-2.5	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
69	8.28		40	3	1	1.2	0.0	0.0	31	4	3	3.1	7.1	2	0.0	-0.1	0.0	14.2	8.0	2.4	0.0	1	1	0.0	20	547	8
2.48	1.00		24	5	2	-3.1	0.0	0.0	32	12	7	7.1	3.1	1	0.0	-2.8	0.0	23.7	13.3	4.0	0.0	21	21	0.0	12	24	8
69	8.28		5	1	2	-3.2	0.0	0.0	32	12	7	7.1	3.1	1	0.0	3.1	0.0	23.7	13.3	4.0	0.0	23	23	0.0	12	24	8
70	8.28		40	3	1	2.2	0.0	0.0	32	8	5	3.1	7.1	1	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	552	8
2.48	1.00		24	5	1	-0.7	0.0	0.0	31	3	1	7.1	3.1	1	0.0	-2.3	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
7	8.28		5	1	1	-2.5	0.0	0.0	32	9	6	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	19	20	0.0	12	24	8
8	8.28		40	3	2	1.3	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	532	8
2.48	1.00		24	5	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
71	8.28		5	1	1	-1.1	0.0	0.0	31	4	2	7.1	3.1	1	0.0	2.8	0.0	23.7	13.3	4.0	0.0	21	21	0.0	12	24	8
72	8.28		40	3	1	3.2	0.0	0.0	32	12	7	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00		24	5	2	-1.0	0.0	0.0	31	4	2	7.1	3.1	1	0.0	-2.7	0.0	23.7	13.3	4.0	0.0	21	21	0.0	12	24	8
73	8.28		5	1	1	-0.7	0.0	0.0	31	3	1	7.1	3.1	1	0.0	2.2	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
74	8.28		40	3	1	2.1	0.0	0.0	32	8	5	3.1	7.1	1	0.0	-0.5	0.0	14.2	8.0	2.4	0.0	4	6	0.0	20	567	8
2.48	1.00		24	5	2	-3.8	0.0	0.0	32	15	9	7.1	3.1	1	0.0	-3.3	0.0	23.7	13.3	4.0	0.0	24	25	0.0	12	24	8
74	8.28		5	1	2	-3.8	0.0	0.0	32	15	9	7.1	3.1	1	0.0	3.3	0.0	23.7	13.3	4.0	0.0	24	25	0.0	12	24	8
75	8.28		40	3	1	2.1	0.0	0.0	32	8	5	3.1	7.1	1	0.0	0.5	0.0	14.2	8.0	2.4	0.0	4	7	0.0	20	567	8
2.48	1.00		24	5	1	-0.7	0.0	0.0	31	3	1	7.1	3.1	1	0.0	-2.2	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
76	8.28		5	1	1	-0.7	0.0	0.0	31	3	1	7.1	3.1	1	0.0	2.3	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
77	8.28		40	3	1	2.2	0.0	0.0	32	8	5	3.1	7.1	1	0.0	-0.5	0.0	14.2	8.0	2.4	0.0	4	6	0.0	20	567	8
2.48	1.00		24	5	2	-3.7	0.0	0.0	32	14	9	7.1	3.1	2	0.0	-3.2	0.0	23.7	13.3	4.0	0.0	24	24	0.0	12	24	8
77	8.28		5	1	2	-3.7	0.0	0.0	32	14	8	7.1	3.1	1	0.0	3.2	0.0	23.7	13.3	4.0	0.0	24	24	0.0	12	24	8
78	8.28		40	3	1	2.0	0.0	0.0	31	7	4	3.1	7.1	1	0.0	0.5	0.0	14.2	8.0	2.4	0.0	4	6	0.0	20	547	8
2.48	1.00		24	5	2	-0.6	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
79	8.28		5	1	2	-0.7	0.0	0.0	31	2	1	7.1	3.1	1	0.0	2.2	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
80	8.28		40	3	1	2.1	0.0	0.0	32	8	5	3.1	7.1	1	0.0	-0.5	0.0	14.2	8.0	2.4	0.0	4	6	0.0	20	562	8
2.48	1.00		24	5	2	-3.8	0.0	0.0	32	14	9	7.1	3.1	1	0.0	-3.2	0.0	23.7	13.3	4.0	0.0	24	24	0.0	12	24	8
80	8.28		5	1	2	-3.8	0.0	0.0	32	14	9	7.1	3.1	1	0.0	3.3	0.0	23.7	13.3	4.0	0.0	24	24	0.0	12	24	8
81	8.28		40	3	1	2.1	0.0	0.0	32	8	5	3.1	7.1	1	0.0	0.5	0.0	14.2	8.0	2.4	0.0	4	7	0.0	20	567	8
2.48	1.00		24	5	1	-0.7	0.0	0.0	31	3	1	7.1	3.1	1	0.0	-2.2	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
6	8.28		25	1	1	-8.5	0.0	0.0	33	5	2	14.3	3.0	1	0.0	12.9	0.0	10.4	26.1	6.4	0.0	40	50	0.0	20	45	8
69	8.28		30	3	1	-8.5	0.0	0.0	33	5	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	5.9	0.0	30.0	32.2	3.6	0.0	18	10	0.0	9	45	8
7	8.28		25	1	1	-4.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	6.7	0.7	30.0	32.2	3.6	1.1	40	36	4.5	20	45	8
70	8.28		30	3	1	-4.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	2.3	0.7	30.0	32.2	3.6	1.1	26	9	4.5	9	45	8
1	8.28		25	1	1	-10.7	0.0	0.0	33	6	3	14.3	3.0	1	0.0	14.5	0.0	30.0	32.2	3.6	0.0	45	25	0.0	9	70	8
105	8.28		30	3	1	-10.0	0.0	0.0	33	6	3	14.3	3.0	1	0.0	9.5	0.0	30.0	32.2	3.6	0.0	29	16	0.0	9	60	8
2.5	1.00		70	5	1	8.3	0.0	0.0	28	7	3	2.3	9.1	1	0.0	4.5	0.0	10.4	26.1	6.4	0.0	14	17	0.0	20	70	8
2	8.28		25	1	1	-14.0	0.0	0.0	32	8	4	14.3	3.0	1	0.0	20.8	0.0	17.2	43.2	10.6	0.0	48	48	0.0	9	70	8
11	8.28		30	3	1	12.7	0.0	0.0	28	11	5	2.3	9.1	1	0.0	-1.4	0.0	7.8	19.4	4.8	0.0	3	7	0.0	20	410	8
1.86	1.00		70	5	1	-21.9	0.0	0.0	34	11	6	16.6	3.0	1	0.0	-23.6	0.0	17.2	43.2	10.6	0.0	55	55	0.0	9	70	8
3	8.28		25	1	1	-13.7	0.0	0.0	32	8	4	14.3	3.0	1	0.0	20.5	0.0	17.2	43.2	10.6	0.0	47	47	0.0	9	70	8
12	8.28		30	3	1	12.5	0.0	0.0	28	11	5	2.3	9.1	1	0.0	-1.5	0.0	7.8	19.4	4.8	0.0	3	8	0.0	20	410	8
1.86	1.00		70	5	1	-22.0	0.0	0.0	34	11	6	16.6	3.0	1	0.0	-23.5	0.0	17.2	43.2	10.6	0.0	54	54	0.0	9	70	8
4	8.28		25	1	1	-15.6	0.0	0.0	32	9	4	14.3	3.0	1	0.0	20.9	0.0	17.2	43.2	10.6	0.0	48	48	0.0	9	70	8
13	8.28		30	3	1	11.7	0.0	0.0	28	10	4	2.3	9.1	1	0.0	-1.1	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	410	8
1.86	1.00		70	5	1	-21.6	0.0	0.0	34	11	6	16.6	3.0	1	0.0	-23.1	0.0	17.2	43.2	10.6	0.0	53	53	0.0	9	70	8
5	8.28		25	1	1	-14.8	0.0	0.0	32	8	4	14.3	3.0	1	0.0	20.7	0.0	17.2	43.2	10.6	0.0	48	48	0.0	9	70	8
14	8.28		30	3	1	12.1	0.0	0.0	28	10	4	2.3	9.1	1	0.0	-1.2	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	410	8
1.86	1.00		70	5	1	-21.4	0.0	0.0	34	10	6	16.6	3.0	1	0.0	-23.1	0.0	17.2	43.2	10.6	0.0	53	53	0.0	9	70	8
8	8.28		25	1	1	-14.1	0.0	0.0	32	8	4	14.3	3.0	1	0.0	20.8	0.0	17.2	43.2	10.6	0.0	48	48	0.0	9	70	8
17	8.28		30	3	1	12.7	0.0	0.0	28	11	5	2.3	9.1	1	0.0	-1.4	0.0	7.8	19.4	4.8	0.0	3	7	0.0	20	410	8
1.86	1.00		70	5	1	-21.6	0.0	0.0	34	11	6	16.6	3.0	1	0.0	-23.5	0.0	17.2	43.2	10.6	0.0	54	54	0.0	9	70	8
9	8.28		25	1	1	-11.9	0.0	0.0	33	7	3	14.3	3.0	1	0.0	14.9	0.0	30.0	32.2	3.6	0.0	46	26	0.0	9	70	8
109	8.28		30	3	1	-11.2	0.0	0.0	33	6	3	14.3	3.0	1	0.0	9.9	0.0	30.0	32.2	3.6	0.0	31	17	0.0	9	60	8
2.5	1.00		70	5	1	7.8	0.0	0.0	28	7	3	2.3	9.1	1	0.0	4.9	0.0	10.4	26.1	6.4	0.0	15	19	0.0	20	70	8
28	8.28		25	1	1	-4.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	6.7	0.7	30.0	32.2	3.6	1.1	40	16	4.5	9	45	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Con c	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
73	8.28		30	3	1	-4.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	2.2	0.7	30.0	32.2	3.6	1.1	26	19	4.5	20	45	8
29	8.28		25	1	1	-9.1	0.0	0.0	33	5	3	14.3	3.0	1	0.0	13.8	0.0	30.0	32.2	3.6	0.0	43	24	0.0	9	45	8
74	8.28		30	3	1	-9.1	0.0	0.0	33	5	3	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	2	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	6.5	0.0	10.4	26.1	6.4	0.0	20	25	0.0	20	45	8
30	8.28		25	1	1	-4.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	6.7	-0.7	30.0	32.2	3.6	1.1	40	16	4.5	9	45	8
75	8.28		30	3	1	-4.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	2.2	-0.7	30.0	32.2	3.6	1.1	26	19	4.5	20	45	8
31	8.28		25	1	1	-4.1	0.0	0.0	32	2	1	14.3	3.0	1	0.0	6.8	0.7	30.0	32.2	3.6	1.1	40	16	4.5	9	45	8
76	8.28		30	3	1	-4.1	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	2.3	0.7	30.0	32.2	3.6	1.1	26	19	4.5	20	45	8
32	8.28		25	1	1	-9.0	0.0	0.0	33	5	3	14.3	3.0	1	0.0	13.6	0.0	30.0	32.2	3.6	0.0	42	23	0.0	9	45	8
77	8.28		30	3	1	-9.0	0.0	0.0	33	5	3	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-7.2	0.0	0.0	33	4	2	14.3	3.0	1	0.0	6.4	0.0	10.4	26.1	6.4	0.0	20	25	0.0	20	45	8
33	8.28		25	1	1	-3.9	0.0	0.0	32	2	1	14.3	3.0	1	0.0	6.5	-0.6	30.0	32.2	3.6	1.1	37	16	4.5	9	45	8
78	8.28		30	3	1	-3.9	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	2.1	-0.6	30.0	32.2	3.6	1.1	24	18	4.5	20	45	8
34	8.28		25	1	1	-4.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	6.7	0.7	30.0	32.2	3.6	1.1	39	16	4.5	9	45	8
79	8.28		30	3	1	-4.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	2.2	0.7	30.0	32.2	3.6	1.1	25	19	4.5	20	45	8
35	8.28		25	1	1	-9.1	0.0	0.0	33	5	3	14.3	3.0	1	0.0	13.7	0.0	30.0	32.2	3.6	0.5	43	24	2.3	9	45	8
80	8.28		30	3	1	-9.1	0.0	0.0	33	5	3	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0	0	2.3	9	0	8
2.5	1.00		70	5	1	-7.3	0.0	0.0	33	4	2	14.3	3.0	1	0.0	6.5	0.0	10.4	26.1	6.4	0.5	20	25	2.3	20	45	8
36	8.28		25	1	1	-4.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	6.7	-0.7	30.0	32.2	3.6	1.1	40	16	4.5	9	45	8
81	8.28		30	3	1	-4.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	2.2	-0.7	30.0	32.2	3.6	1.1	26	19	4.5	20	45	8
116	8.28		5	1	1	0.5	0.0	0.0	29	2	1	6.8	6.8	1	0.0	1.9	0.0	14.4	8.1	2.5	0.0	14	23	0.0	20	24	8
138	8.28		40	3	1	0.7	0.0	0.0	29	3	1	6.8	6.8	1	0.0	-1.4	0.0	14.4	8.1	2.5	0.0	11	18	0.0	20	172	8
2.5	1.00		24	5	1	-3.2	0.0	0.0	30	12	7	6.8	6.8	1	0.0	-4.9	0.0	14.4	8.1	2.5	0.0	37	61	0.0	20	24	8
24	8.28		5	1	1	-6.2	0.0	0.0	0	999	999	6.8	6.8	1	0.0	6.7	0.0	14.4	8.1	2.5	0.0	50	83	0.0	20	24	8
25	8.28		40	3	1	3.4	0.0	0.0	30	13	7	6.8	6.8	1	0.0	-0.1	0.0	14.4	8.1	2.5	0.0	0	1	0.0	20	522	8
NoVer.	1.00		24	5	1	-6.1	0.0	0.0	0	999	999	6.8	6.8	1	0.0	-6.7	0.0	14.4	8.1	2.5	0.0	50	83	0.0	20	24	8
107	8.28		27	1	1	-0.3	0.0	0.0	24	3	1	2.3	2.3	1	0.0	-1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	24	8
154	8.28		24	3	1	-0.9	0.0	0.0	24	10	4	2.3	2.3	1	0.0	-1.6	0.0	8.0	8.0	1.3	0.0	20	20	0.0	20	7	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	24	10	4	2.3	2.3	1	0.0	-2.3	0.0	8.0	8.0	1.3	0.0	29	29	0.0	20	24	8
108	8.28		27	1	2	-0.1	0.0	0.0	23	1	1	2.3	2.3	2	0.0	1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	24	8
111	8.28		24	3	1	0.6	0.0	0.0	24	7	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.9	0.0	8.0	8.0	1.3	0.0	11	11	0.0	20	24	8
109	8.28		27	1	2	-0.1	0.0	0.0	23	1	0	2.3	2.3	2	0.0	1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	24	8
110	8.28		24	3	1	0.6	0.0	0.0	24	7	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	1	0	2.3	2.3	1	0.0	-1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	24	8
106	8.28		27	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.9	0.0	8.0	8.0	1.3	0.0	11	11	0.0	20	24	8
105	8.28		24	3	1	0.6	0.0	0.0	24	7	3	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	230	8
2.48	1.00		24	5	2	-0.1	0.0	0.0	23	1	1	2.3	2.3	2	0.0	-1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	24	8
110	8.28		27	1	1	-0.3	0.0	0.0	24	3	1	2.3	2.3	1	0.0	-1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	24	8
157	8.28		24	3	1	-0.9	0.0	0.0	24	10	4	2.3	2.3	1	0.0	-1.6	0.0	8.0	8.0	1.3	0.0	20	20	0.0	20	7	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	24	10	4	2.3	2.3	1	0.0	-2.3	0.0	8.0	8.0	1.3	0.0	29	29	0.0	20	24	8
107	8.28		27	1	1	-0.1	0.0	0.0	23	1	0	2.3	2.3	1	0.0	1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	24	8
104	8.28		24	3	1	0.6	0.0	0.0	24	7	3	2.3	2.3	2	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00		24	5	2	0.0	0.0	0.0	23	1	0	2.3	2.3	2	0.0	-1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	24	8
151	8.28		27	1	1	-1.8	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.1	0.0	8.0	8.0	1.3	0.0	39	39	0.0	20	24	8
106	8.28		24	3	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.0	0.0	8.0	8.0	1.3	0.0	25	25	0.0	20	42	8
NoVer.	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.9	0.0	8.0	8.0	1.3	0.0	11	11	0.0	20	24	8
150	8.28		27	1	1	-1.7	0.0	0.0	23	24	8	2.3	2.3	1	0.0	3.4	0.0	8.0	8.0	1.3	0.0	42	42	0.0	20	24	8
151	8.28		24	3	1	0.7	0.0	0.0	24	8	3	2.3	2.3	2	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
NoVer.	1.00		24	5	1	-1.8	0.0	0.0	0	999	999	2.3	2.3	1	0.0	-3.4	0.0	8.0	8.0	1.3	0.0	43	43	0.0	20	24	8
152	8.28		27	1	1	-2.1	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.8	0.0	8.0	8.0	1.3	0.0	47	47	0.0	20	24	8
153	8.28		24	3	1	0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	252	8
NoVer.	1.00		24	5	1	-1.8	0.0	0.0	0	999	999	2.3	2.3	1	0.0	-3.6	0.0	8.0	8.0	1.3	0.0	44	44	0.0	20	24	8
153	8.28		27	1	1	-1.8	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.7	0.0	8.0	8.0	1.3	0.0	46	46	0.0	20	24	8
150	8.28		24	3	1	1.0	0.0	0.0	24	11	4	2.3	2.3	2	0.0	0.0	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	252	8
NoVer.	1.00		24	5	1	-1.7	0.0	0.0	20	34	10	2.3	2.3	1	0.0	-3.6	0.0	8.0	8.0	1.3	0.0	45	45	0.0	20	24	8
154	8.28		27	1	1	-1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	3.5	0.0	8.0	8.0	1.3	0.0	43	44	0.0	20	24	8
152	8.28		24	3	1	1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	-0.3	0.0	8.0	8.0	1.3	0.0	4	4	0.0	20	267	8
NoVer.	1.00		24	5	1	-2.1	0.0	0.0	0	999	999	2.3	2.3	1	0.0	-4.2	0.0	8.0	8.0	1.3	0.0	52	52	0.0	20	24	8
155	8.28		27	1	1	-1.8	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.7	0.0	8.0	8.0	1.3	0.0	46	46	0.0	20	24	8
158	8.28		24	3	1	1.0	0.0	0.0	24	11	4	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	252	8
NoVer.	1.00		24	5	1	-1.7	0.0	0.0	20	33	10	2.3	2.3	1	0.0	-3.6	0.0	8.0	8.0	1.3	0.0	45	45	0.0	20	24	8
156	8.28		27	1	1	-2.1	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.8	0.0	8.0	8.0	1.3	0.0	47	47	0.0	20	24	8
155	8.28		24	3	1	0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	252	8
NoVer.	1.00		24	5	1	-1.8	0.0	0.0	0	999	999	2.3	2.3	1	0.0	-3.5	0.0	8.0	8.0	1.3	0.0	44	44	0.0	20	24	8
157	8.28		27	1	1	-1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	3.5	0.0	8.0	8.0	1.3	0.0	43	44	0.0	20	24	8
156	8.28		24	3	1	1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	-0.3	0.0	8.0	8.0	1.3	0.0	4	4	0.0	20	267	8
NoVer.	1.00		24	5	1	-2.1	0.0	0.0	0	999	999	2.3	2.3	1	0.0	-4.2	0.0	8.0	8.0	1.3	0.0	52	52	0.0	20	24	8
158	8.28		27	1	1	-1.7	0.0	0.0	22	26	9	2.3	2.3	1	0.0	3.4	0.0	8.0	8.0	1.3	0.0	42	42	0.0	20	24	8
159	8.28		24	3	1	0.7	0.0	0.0	24	8	3	2.3	2.3	2	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
NoVer.	1.00		24	5	1	-1.8	0.0	0.0	0	999	999	2.3	2.3	1	0.0	-3.4	0.0	8.0	8.0	1.3	0.0	43	43	0.0	20	24	8
159	8.28		27	1	1	-1.8	0.0	0.0	0	999	999	2.3	2.3	1	0.0	3.1	0.0	8.0	8.0	1.3	0.0	39	39	0.0	20	24	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Con c	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
111	8.28		24	3	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.0	0.0	8.0	8.0	1.3	0.0	25	25	0.0	20	42	8
NoVer.	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.9	0.0	8.0	8.0	1.3	0.0	11	11	0.0	20	24	8
138	8.28		5	1	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.2	0.0	14.4	8.1	2.5	0.0	2	3	0.0	20	24	8
139	8.28		40	3	1	0.0	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	112	8
2.5	1.00		24	5	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-0.2	0.0	14.4	8.1	2.5	0.0	2	3	0.0	20	24	8
139	8.28		5	1	1	-3.2	0.0	0.0	30	13	7	6.8	6.8	1	0.0	4.9	0.0	14.4	8.1	2.5	0.0	37	61	0.0	20	24	8
117	8.28		40	3	1	0.7	0.0	0.0	29	3	1	6.8	6.8	1	0.0	1.6	0.0	14.4	8.1	2.5	0.0	12	20	0.0	20	172	8
2.5	1.00		24	5	1	0.5	0.0	0.0	29	2	1	6.8	6.8	1	0.0	-1.9	0.0	14.4	8.1	2.5	0.0	14	23	0.0	20	24	8
165	8.28		7	1	2	0.4	0.0	0.0	18	1	0	6.0	4.6	1	0.0	1.5	0.0	25.0	38.9	12.9	0.0	3	4	0.0	15	60	8
167	8.28		40	3	2	0.4	0.0	0.0	18	1	0	6.0	4.6	2	0.0	-0.2	0.0	25.0	38.9	12.9	0.0	0	1	0.0	15	15	8
2.5	1.00		60	5	1	-0.4	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-2.0	0.0	25.0	38.9	12.9	0.0	4	5	0.0	15	60	8
167	8.28		33	1	1	-0.9	0.0	0.0	27	3	1	7.7	7.7	1	0.0	1.1	0.0	38.9	13.9	6.4	0.0	4	8	0.0	15	24	8
168	8.28		60	3	2	0.5	0.0	0.0	26	2	1	7.7	7.7	1	0.0	0.0	0.0	38.9	13.9	6.4	0.0	0	0	0.0	15	442	8
2.5	1.00		24	5	2	-0.9	0.0	0.0	27	3	2	7.7	7.7	1	0.0	-1.2	0.0	38.9	13.9	6.4	0.0	4	8	0.0	15	24	8
165	8.28		32	1	1	-0.5	0.4	0.0	25	2	1	7.7	7.7	1	0.3	0.8	0.0	45.9	13.9	7.7	0.0	3	6	0.0	15	24	8
142	8.28		70	3	2	0.1	-0.3	0.0	25	0	0	7.7	7.7	1	0.3	0.1	0.0	38.3	33.9	4.3	0.0	1	1	0.0	15	197	8
2.5	1.00		24	5	2	-0.2	-0.4	0.0	25	1	0	7.7	7.7	1	0.3	-0.5	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
166	8.28		7	1	1	-0.2	0.0	0.0	20	0	0	6.0	4.6	1	0.0	1.7	0.0	25.0	38.9	12.9	0.0	3	4	0.0	15	60	8
168	8.28		40	3	2	0.3	0.0	0.0	18	1	0	6.0	4.6	2	0.0	-0.1	0.0	25.0	38.9	12.9	0.0	0	0	0.0	15	15	8
2.5	1.00		60	5	1	-0.3	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-1.8	0.0	25.0	38.9	12.9	0.0	3	5	0.0	15	60	8
105	8.28		25	1	1	9.2	0.0	0.0	28	8	3	2.3	9.1	1	0.0	3.5	0.0	10.4	26.1	6.4	0.0	11	13	0.0	20	70	8
10	8.28		30	3	1	9.3	0.0	0.0	0	999	999	16.6	3.0	1	0.0	-7.0	0.0	30.0	32.2	3.6	0.0	22	12	0.0	9	210	8
NoVer.	1.00		70	5	1	-16.3	0.0	0.0	34	8	5	16.6	3.0	1	0.0	-17.5	0.0	30.0	32.2	3.6	0.0	54	30	0.0	9	70	8
104	8.28		25	1	1	8.1	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-4.7	0.0	10.4	26.1	6.4	0.0	14	18	0.0	20	70	8
28	8.28		30	3	1	-10.5	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-9.7	0.0	30.0	32.2	3.6	0.0	30	17	0.0	9	60	8
2.5	1.00		70	5	1	-11.2	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-14.7	0.0	30.0	32.2	3.6	0.0	46	25	0.0	9	70	8
116	8.28		25	1	1	4.6	0.0	0.0	13	11	2	16.6	3.0	1	0.0	7.4	0.0	17.2	43.2	10.6	0.0	17	17	0.0	9	70	8
30	8.28		30	3	1	6.3	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-2.3	0.0	7.8	19.4	4.8	0.0	5	12	0.0	20	295	8
1.86	1.00		70	5	1	-10.2	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-12.2	0.0	17.2	43.2	10.6	0.0	28	28	0.0	9	70	8
117	8.28		25	1	1	4.6	0.0	0.0	13	11	2	16.6	3.0	1	0.0	7.5	0.0	17.2	43.2	10.6	0.0	17	17	0.0	9	70	8
31	8.28		30	3	1	6.4	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-2.2	0.0	7.8	19.4	4.8	0.0	5	11	0.0	20	295	8
1.86	1.00		70	5	1	-9.9	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-12.1	0.0	17.2	43.2	10.6	0.0	28	28	0.0	9	70	8
118	8.28		25	1	1	4.4	0.0	0.0	13	11	2	16.6	3.0	1	0.0	4.3	0.0	17.2	43.2	10.6	1.4	10	10	4.5	9	70	8
165	8.28		30	3	1	4.6	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-4.2	0.0	7.8	19.4	4.8	0.0	10	22	0.0	20	250	8
1.86	1.00		70	5	1	-14.0	0.0	0.0	33	8	4	14.3	3.0	1	0.0	-12.8	0.0	17.2	43.2	10.6	0.0	29	29	0.0	9	70	8
119	8.28		25	1	1	4.4	0.0	0.0	13	11	2	16.6	3.0	1	0.0	4.6	0.0	17.2	43.2	10.6	1.4	11	11	4.5	9	70	8
166	8.28		30	3	1	4.6	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-4.1	0.0	7.8	19.4	4.8	0.0	9	21	0.0	20	250	8
1.86	1.00		70	5	1	-13.8	0.0	0.0	33	8	4	14.3	3.0	1	0.0	-12.8	0.0	17.2	43.2	10.6	0.0	29	30	0.0	9	70	8
142	8.28		32	1	1	-0.2	-0.3	0.0	25	1	0	7.7	7.7	1	-0.3	0.6	0.0	34.8	10.7	6.2	0.0	4	5	0.0	15	24	8
166	8.28		70	3	2	0.1	-0.3	0.0	25	0	0	7.7	7.7	1	-0.3	-0.1	0.0	25.8	23.2	2.7	0.0	1	1	0.0	15	197	8
2.5	1.00		24	5	1	-0.4	0.3	0.0	25	1	1	7.7	7.7	1	-0.3	-0.8	0.0	34.8	10.7	6.2	0.0	4	7	0.0	15	24	8
108	8.28		25	1	1	8.5	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-4.3	0.0	10.4	26.1	6.4	0.0	13	17	0.0	20	70	8
36	8.28		30	3	1	-9.4	0.0	0.0	33	5	3	14.3	3.0	1	0.0	-9.3	0.0	30.0	32.2	3.6	0.0	29	16	0.0	9	60	8
2.5	1.00		70	5	1	-10.1	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-14.3	0.0	30.0	32.2	3.6	0.0	44	25	0.0	9	70	8
109	8.28		25	1	1	9.1	0.0	0.0	28	8	3	2.3	9.1	1	0.0	3.9	0.0	10.4	26.1	6.4	0.0	12	15	0.0	20	70	8
18	8.28		30	3	1	9.1	0.0	0.0	0	999	999	16.6	3.0	1	0.0	-6.6	0.0	30.0	32.2	3.6	0.0	21	11	0.0	9	210	8
NoVer.	1.00		70	5	1	-15.3	0.0	0.0	34	7	4	16.6	3.0	1	0.0	-17.2	0.0	30.0	32.2	3.6	0.0	53	29	0.0	9	70	8
134	10.86		2	1	1	-0.4	0.0	0.0	19	2	1	3.0	5.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
129	10.86		30	3	1	-5.6	0.0	0.0	29	13	6	6.2	2.3	1	0.0	-4.4	0.0	10.4	14.4	3.4	0.4	25	30	2.3	20	110	8
2.5	1.00		40	5	1	-8.3	0.0	0.0	20	50	14	6.2	2.3	1	0.0	-8.7	0.0	10.4	14.4	3.4	0.4	49	61	2.3	20	40	8
129	10.86		2	1	1	-0.1	0.0	0.3	19	0	0	6.2	2.3	1	0.0	0.4	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
130	9.14		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	169	8
2.5	1.00		40	5	1	-0.1	0.0	-0.3	38	0	0	6.2	2.3	1	0.0	-0.4	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
130	9.14		2	1	1	-8.3	0.0	0.0	20	50	14	6.2	2.3	1	0.0	8.7	0.0	10.4	14.4	3.4	0.4	49	61	2.3	20	40	8
135	9.14		30	3	1	-5.6	0.0	0.0	29	13	6	6.2	2.3	1	0.0	4.4	0.0	10.4	14.4	3.4	0.4	25	30	2.3	20	110	8
2.5	1.00		40	5	1	-0.4	0.0	0.0	19	2	1	3.0	5.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
136	10.86		2	1	1	-0.4	0.0	0.0	19	2	0	3.0	5.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
132	10.86		30	3	1	-5.0	0.0	0.0	29	12	5	6.2	2.3	1	0.0	-3.9	0.0	10.4	14.4	3.4	0.4	22	27	2.3	20	110	8
2.5	1.00		40	5	1	-7.3	0.0	0.0	30	17	8	6.2	2.3	1	0.0	-7.7	0.0	10.4	14.4	3.4	0.4	44	54	2.3	20	40	8
132	10.86		2	1	1	-0.1	0.0	0.3	19	0	0	6.2	2.3	1	0.0	0.4	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
133	9.14		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	169	8
2.5	1.00		40	5	1	-0.1	0.0	-0.3	38	0	0	6.2	2.3	1	0.0	-0.4	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
133	9.14		2	1	1	-8.3	0.0	0.0	20	50	14	6.2	2.3	1	0.0	8.7	0.0	10.4	14.4	3.4	0.4	49	61	2.3	20	40	8
137	9.14		30	3	1	-5.6	0.0	0.0	29	13	6	6.2	2.3	1	0.0	4.4	0.0	10.4	14.4	3.4	0.4	25	30	2.3	20	110	8
2.5	1.00		40	5	1	-0.4	0.0	0.0	19	2	1	3.0	5.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
82	11.72		25	1	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	-2.2	-0.7	29.9	32.2	3.6	1.1	25	19	4.5	20	65	8
1	11.72		30	3	1	-5.9	0.0	0.0	25	5	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-5.9	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-6.8	-0.7	29.9	32.2	3.6	1.1	39	16	4.5	9	65	8
10	11.72		25	1	1	-11.0	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.6	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
19	11.72		30	3	1	5.4	0.0	0.0	27	5	2	3.1	9.1	1	0.0	-0.2	0.0	7.7	19.4	4.7	0.0	0	1	0.0	20	430	8
1.86	1.00		70	5	1	-11.3	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.7	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
19	11.72		25	1	1	-11.1	0.0	0.0	36	5	3	18.2	3.1	1	0.0	12.2	0.0	29.9	32.2	3.6	0.0	38	21	0.0	9	70	8
104	11.72		30	3	1	7.2	0.0	0.0	12	17	3	18.2	3.1	1	0.0	5.0	0.0	29.9	32.2	3.6	0.0	15	9	0.0	9	215	8
2.5	1.00		70	5	1	7.1	0.0	0.0	27	6	2	3.1	9.1	1	0.0	-2.3	0.0	10.4	26.1	6.3	0.0	7	9	0.0	20	70	8
83	11.72		25	1	1	-2.6	0.0	0.0	24	2	1	9.1	9.1	2	0.0	-2.2	0.7	29.9	32.2	3.6	1.1	26	20	4.5	20	65	8
2	11.72		30	3	1	-5.9	0.0	0.0	25	5	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-5.9	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-6.8	0.7	29.9	32.2	3.6	1.1	40	17	4.5	9	65	8
84	11.72		25	1	1	-2.2	0.0	0.0	24	2	1	9.1	9.1	1	0.0	-1.8	0.0	10.4	26.1	6.3	1.1	6	7	4.5	20	65	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
3	11.72		30	3	1	-5.3	0.0	0.0	25	4	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-5.3	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-6.3	0.0	29.9	32.2	3.6	1.1	20	11	4.5	9	65	8
85	11.72		25	1	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	-4.9	0.0	10.4	26.1	6.3	0.0	15	19	0.0	20	65	8
4	11.72		30	3	1	-10.8	0.0	0.0	25	9	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-10.8	0.0	0.0	33	6	3	15.1	3.1	1	0.0	-11.8	0.0	29.9	32.2	3.6	0.0	37	20	0.0	9	65	8
86	11.72		25	1	1	-4.5	0.0	0.0	24	4	1	9.1	9.1	1	0.0	-4.2	0.0	10.4	26.1	6.3	0.0	13	16	0.0	20	65	8
5	11.72		30	3	1	-10.0	0.0	0.0	25	9	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-10.0	0.0	0.0	33	5	3	15.1	3.1	1	0.0	-11.1	0.0	29.9	32.2	3.6	0.0	35	19	0.0	9	65	8
6	11.72		25	1	1	-12.4	0.0	0.0	33	7	4	15.1	3.1	1	0.0	14.5	0.0	17.2	43.1	10.4	0.0	33	34	0.0	9	70	8
15	11.72		30	3	1	7.5	0.0	0.0	27	6	3	3.1	9.1	1	0.0	-0.5	0.0	7.7	19.4	4.7	0.0	1	3	0.0	20	425	8
1.86	1.00		70	5	1	-14.7	0.0	0.0	36	7	4	18.2	3.1	1	0.0	-15.3	0.0	17.2	43.1	10.4	0.0	35	35	0.0	9	70	8
7	11.72		25	1	1	-8.5	0.0	0.0	33	5	2	15.1	3.1	1	0.0	13.8	0.0	17.2	43.1	10.4	0.0	32	32	0.0	9	70	8
16	11.72		30	3	1	9.4	0.0	0.0	28	8	3	3.1	9.1	2	0.0	-1.4	0.0	7.7	19.4	4.7	0.0	3	7	0.0	20	425	8
1.86	1.00		70	5	1	-15.4	0.0	0.0	36	7	4	18.2	3.1	1	0.0	-16.3	0.0	17.2	43.1	10.4	0.0	38	38	0.0	9	70	8
89	11.72		25	1	1	-2.6	0.0	0.0	24	2	1	9.1	9.1	1	0.0	-2.2	-0.7	29.9	32.2	3.6	1.1	26	20	4.5	20	65	8
8	11.72		30	3	1	-5.9	0.0	0.0	25	5	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-5.9	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-6.8	-0.7	29.9	32.2	3.6	1.1	41	17	4.5	9	65	8
90	11.72		25	1	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	-2.2	0.6	29.9	32.2	3.6	1.1	25	19	4.5	20	65	8
9	11.72		30	3	1	-5.9	0.0	0.0	25	5	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-5.9	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-6.8	0.6	29.9	32.2	3.6	1.1	39	16	4.5	9	65	8
11	11.72		25	1	1	-15.0	0.0	0.0	36	7	4	18.2	3.1	1	0.0	15.5	0.0	17.2	43.1	10.4	0.0	36	36	0.0	9	70	8
20	11.72		30	3	1	7.2	0.0	0.0	27	6	3	3.1	9.1	1	0.0	0.0	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	430	8
1.86	1.00		70	5	1	-14.4	0.0	0.0	36	6	4	18.2	3.1	1	0.0	-15.3	0.0	17.2	43.1	10.4	0.0	35	35	0.0	9	70	8
12	11.72		25	1	1	-15.4	0.0	0.0	36	7	4	18.2	3.1	1	0.0	15.7	0.0	17.2	43.1	10.4	0.0	36	36	0.0	9	70	8
21	11.72		30	3	1	7.6	0.0	0.0	27	7	3	3.1	9.1	2	0.0	0.3	0.0	7.7	19.4	4.7	0.0	1	2	0.0	20	430	8
1.86	1.00		70	5	1	-12.9	0.0	0.0	36	6	4	18.2	3.1	1	0.0	-14.8	0.0	17.2	43.1	10.4	0.0	34	34	0.0	9	70	8
13	11.72		25	1	1	-15.0	0.0	0.0	36	7	4	18.2	3.1	1	0.0	15.7	0.0	17.2	43.1	10.4	0.0	36	36	0.0	9	70	8
22	11.72		30	3	1	8.1	0.0	0.0	27	7	3	3.1	9.1	1	0.0	0.4	0.0	7.7	19.4	4.7	0.0	1	2	0.0	20	430	8
1.86	1.00		70	5	1	-12.2	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-14.7	0.0	17.2	43.1	10.4	0.0	34	34	0.0	9	70	8
14	11.72		25	1	1	-14.5	0.0	0.0	36	7	4	18.2	3.1	1	0.0	15.2	0.0	17.2	43.1	10.4	0.0	35	35	0.0	9	70	8
23	11.72		30	3	1	7.3	0.0	0.0	27	6	3	3.1	9.1	1	0.0	-0.1	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	430	8
1.86	1.00		70	5	1	-14.1	0.0	0.0	36	6	4	18.2	3.1	1	0.0	-15.1	0.0	17.2	43.1	10.4	0.0	35	35	0.0	9	70	8
15	11.72		25	1	1	-15.2	0.0	0.0	36	7	4	18.2	3.1	1	0.0	15.7	0.0	17.2	43.1	10.4	0.0	36	36	0.0	9	70	8
24	11.72		30	3	1	8.1	0.0	0.0	27	7	3	3.1	9.1	1	0.0	0.6	0.0	7.7	19.4	4.7	0.0	1	3	0.0	20	430	8
1.86	1.00		70	5	1	-11.3	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-14.3	0.0	17.2	43.1	10.4	0.0	33	33	0.0	9	70	8
16	11.72		25	1	1	-15.8	0.0	0.0	36	7	4	18.2	3.1	1	0.0	15.9	0.0	17.2	43.1	10.4	0.0	37	37	0.0	9	70	8
25	11.72		30	3	1	8.0	0.0	0.0	27	7	3	3.1	9.1	1	0.0	0.6	0.0	7.7	19.4	4.7	0.0	1	3	0.0	20	430	8
1.86	1.00		70	5	1	-11.6	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-14.4	0.0	17.2	43.1	10.4	0.0	33	33	0.0	9	70	8
17	11.72		25	1	1	-15.5	0.0	0.0	36	7	4	18.2	3.1	1	0.0	15.6	0.0	17.2	43.1	10.4	0.0	36	36	0.0	9	70	8
26	11.72		30	3	1	7.2	0.0	0.0	27	6	3	3.1	9.1	1	0.0	0.2	0.0	7.7	19.4	4.7	0.0	0	1	0.0	20	430	8
1.86	1.00		70	5	1	-13.8	0.0	0.0	36	6	4	18.2	3.1	1	0.0	-15.0	0.0	17.2	43.1	10.4	0.0	35	35	0.0	9	70	8
18	11.72		25	1	1	-11.5	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.7	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
27	11.72		30	3	1	5.4	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.0	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	430	8
1.86	1.00		70	5	1	-10.9	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.5	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
20	11.72		25	1	1	-14.2	0.0	0.0	36	6	4	18.2	3.1	1	0.0	15.4	0.0	17.2	43.1	10.4	0.0	36	36	0.0	9	70	8
29	11.72		30	3	1	7.9	0.0	0.0	27	7	3	3.1	9.1	2	0.0	0.1	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	425	8
1.86	1.00		70	5	1	-13.2	0.0	0.0	33	7	4	15.1	3.1	1	0.0	-15.1	0.0	17.2	43.1	10.4	0.0	35	35	0.0	9	70	8
21	11.72		25	1	1	-12.1	0.0	0.0	36	5	3	18.2	3.1	1	0.0	14.8	0.0	17.2	43.1	10.4	0.0	34	34	0.0	9	60	8
116	11.72		30	3	1	-12.1	0.0	0.0	36	5	3	18.2	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	1.9	0.0	0.0	12	5	1	18.2	3.1	1	0.0	8.4	0.0	17.2	43.1	10.4	0.0	19	20	0.0	9	60	8
22	11.72		25	1	1	-11.5	0.0	0.0	36	5	3	18.2	3.1	1	0.0	12.9	0.0	17.2	43.1	10.4	0.0	30	30	0.0	9	60	8
117	11.72		30	3	1	-11.5	0.0	0.0	36	5	3	18.2	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.1	0.0	0.0	12	0	0	18.2	3.1	1	0.0	6.4	0.0	17.2	43.1	10.4	0.0	15	15	0.0	9	60	8
23	11.72		25	1	1	-14.2	0.0	0.0	36	6	4	18.2	3.1	1	0.0	15.3	0.0	17.2	43.1	10.4	0.0	35	36	0.0	9	70	8
32	11.72		30	3	1	7.8	0.0	0.0	27	7	3	3.1	9.1	2	0.0	0.2	0.0	7.7	19.4	4.7	0.0	0	1	0.0	20	425	8
1.86	1.00		70	5	1	-12.7	0.0	0.0	33	7	4	15.1	3.1	1	0.0	-14.8	0.0	17.2	43.1	10.4	0.0	34	34	0.0	9	70	8
24	11.72		25	1	2	-4.0	0.0	0.0	36	2	1	18.2	3.1	1	0.0	9.0	0.0	17.2	43.1	10.4	1.4	21	21	4.5	9	60	8
118	11.72		30	3	2	-4.0	0.0	0.0	36	2	1	18.2	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	3.3	0.0	0.0	12	8	1	18.2	3.1	2	0.0	2.8	0.0	17.2	43.1	10.4	1.4	6	7	4.5	9	60	8
25	11.72		25	1	2	-4.4	0.0	0.0	36	2	1	18.2	3.1	1	0.0	9.3	0.0	17.2	43.1	10.4	0.0	22	22	0.0	9	60	8
119	11.72		30	3	2	-4.4	0.0	0.0	36	2	1	18.2	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	3.2	0.0	0.0	12	8	1	18.2	3.1	2	0.0	3.0	0.0	17.2	43.1	10.4	0.0	7	7	0.0	9	60	8
26	11.72		25	1	1	-14.4	0.0	0.0	36	6	4	18.2	3.1	1	0.0	15.5	0.0	17.2	43.1	10.4	0.0	36	36	0.0	9	70	8
35	11.72		30	3	1	8.0	0.0	0.0	27	7	3	3.1	9.1	2	0.0	0.2	0.0	7.7	19.4	4.7	0.0	0	1	0.0	20	425	8
1.86	1.00		70	5	1	-12.6	0.0	0.0	33	7	4	15.1	3.1	1	0.0	-14.9	0.0	17.2	43.1	10.4	0.0	34	35	0.0	9	70	8
27	11.72		25	1	1	-11.7	0.0	0.0	36	5	3	18.2	3.1	1	0.0	12.4	0.0	29.9	32.2	3.6	0.0	39	21	0.0	9	70	8
108	11.72		30	3	1	7.3	0.0	0.0	12	18	3	18.2	3.1	1	0.0	5.2	0.0	29.9	32.2	3.6	0.0	16	9	0.0	9	215	8
2.5	1.00		70	5	1	7.2	0.0	0.0	27	6	3	3.1	9.1	1	0.0	-2.0	0.0	10.4	26.1	6.3	0.0	6	8	0.0	20	70	8
82	11.72		5	1	1	-0.7	0.0	0.0	31	2	1	7.1	3.1	1	0.0	2.2	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
83	11.72		40	3	2	2.8	0.0	0.0	32	10	6	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00		24	5	2	-0.7	0.0	0.0	31	3	1	7.1	3.1	1	0.0	-2.2	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
2	11.72		5	1	1	-2.0	0.0	0.0	31	8	4	7.1	3.1	1	0.0	2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
3	11.72		40	3	1	1.2	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	2	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
84	11.72		5	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
85	11.72		40	3	1	1.8	0.0	0.0	31	7	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	552	8
2.48	1.00		24	5	2	-2.7	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
85	11.72		5	1	2	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.3	0.0	23.7	13.3	4.0	0.0	17	18	0.0	12	24	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
86	11.72		40	3	1	1.1	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.1	0.0	14.2	8.0	2.4	0.0	1	1	0.0	20	567	8
2.48	1.00		24	5	1	-2.1	0.0	0.0	32	8	5	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
86	11.72		5	1	1	-2.0	0.0	0.0	32	8	5	7.1	3.1	1	0.0	2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
87	11.72		40	3	1	0.9	0.0	0.0	31	4	2	3.1	7.1	1	0.0	-0.1	0.0	14.2	8.0	2.4	0.0	1	1	0.0	20	547	8
2.48	1.00		24	5	2	-2.5	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.2	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
87	11.72		5	1	2	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
88	11.72		40	3	1	1.8	0.0	0.0	31	7	4	3.1	7.1	1	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	4	0.0	20	552	8
2.48	1.00		24	5	2	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
7	11.72		5	1	1	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
8	11.72		40	3	1	1.1	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	532	8
2.48	1.00		24	5	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
89	11.72		5	1	2	-0.7	0.0	0.0	31	3	2	7.1	3.1	1	0.0	2.2	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
90	11.72		40	3	1	2.8	0.0	0.0	32	10	6	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00		24	5	1	-0.6	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-2.2	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
91	11.72		5	1	1	-0.4	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	13	14	0.0	12	24	8
92	11.72		40	3	1	1.8	0.0	0.0	31	7	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00		24	5	2	-3.1	0.0	0.0	32	12	7	7.1	3.1	1	0.0	-2.7	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
92	11.72		5	1	2	-3.1	0.0	0.0	32	12	7	7.1	3.1	1	0.0	2.7	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
93	11.72		40	3	1	1.8	0.0	0.0	31	7	4	3.1	7.1	2	0.0	0.5	0.0	14.2	8.0	2.4	0.0	3	6	0.0	20	567	8
2.48	1.00		24	5	1	-0.4	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.8	0.0	23.7	13.3	4.0	0.0	13	14	0.0	12	24	8
94	11.72		5	1	1	-0.4	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
95	11.72		40	3	1	1.8	0.0	0.0	31	7	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00		24	5	2	-3.0	0.0	0.0	32	11	7	7.1	3.1	1	0.0	-2.7	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
95	11.72		5	1	2	-3.0	0.0	0.0	32	11	7	7.1	3.1	1	0.0	2.6	0.0	23.7	13.3	4.0	0.0	19	20	0.0	12	24	8
96	11.72		40	3	1	1.7	0.0	0.0	31	6	4	3.1	7.1	1	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	547	8
2.48	1.00		24	5	1	-0.4	0.0	0.0	31	1	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
97	11.72		5	1	1	-0.4	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
98	11.72		40	3	1	1.8	0.0	0.0	31	7	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	562	8
2.48	1.00		24	5	2	-3.1	0.0	0.0	32	12	7	7.1	3.1	1	0.0	-2.6	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
98	11.72		5	1	2	-3.1	0.0	0.0	32	12	7	7.1	3.1	1	0.0	2.7	0.0	23.7	13.3	4.0	0.0	20	20	0.0	12	24	8
99	11.72		40	3	1	1.8	0.0	0.0	31	7	4	3.1	7.1	1	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	6	0.0	20	567	8
2.48	1.00		24	5	1	-0.4	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
87	11.72		25	1	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	-4.8	0.0	10.4	26.1	6.3	0.0	15	18	0.0	20	65	8
6	11.72		30	3	1	-10.6	0.0	0.0	25	9	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-10.6	0.0	0.0	33	6	3	15.1	3.1	1	0.0	-11.6	0.0	29.9	32.2	3.6	0.0	36	20	0.0	9	65	8
88	11.72		25	1	1	-2.2	0.0	0.0	24	2	1	9.1	9.1	1	0.0	-1.8	0.0	10.4	26.1	6.3	1.1	6	7	4.5	20	65	8
7	11.72		30	3	1	-5.3	0.0	0.0	25	5	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-5.3	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-6.3	0.0	29.9	32.2	3.6	1.1	20	11	4.5	9	65	8
1	11.72		25	1	1	-7.6	0.0	0.0	33	4	2	15.1	3.1	1	0.0	10.4	0.0	29.9	32.2	3.6	0.0	32	18	0.0	9	70	8
105	11.72		30	3	1	-6.6	0.0	0.0	33	4	2	15.1	3.1	1	0.0	6.8	0.0	29.9	32.2	3.6	0.0	21	12	0.0	9	70	8
2.5	1.00		70	5	1	6.5	0.0	0.0	27	6	2	3.1	9.1	1	0.0	3.1	0.0	10.4	26.1	6.3	0.0	10	12	0.0	20	70	8
2	11.72		25	1	1	-8.7	0.0	0.0	33	5	2	15.1	3.1	1	0.0	14.1	0.0	17.2	43.1	10.4	0.0	33	33	0.0	9	70	8
11	11.72		30	3	1	9.7	0.0	0.0	28	8	3	3.1	9.1	1	0.0	-1.3	0.0	7.7	19.4	4.7	0.0	3	7	0.0	20	425	8
1.86	1.00		70	5	1	-15.3	0.0	0.0	36	7	4	18.2	3.1	1	0.0	-16.4	0.0	17.2	43.1	10.4	0.0	38	38	0.0	9	70	8
3	11.72		25	1	1	-8.3	0.0	0.0	33	4	2	15.1	3.1	1	0.0	13.8	0.0	17.2	43.1	10.4	0.0	32	32	0.0	9	70	8
12	11.72		30	3	1	9.6	0.0	0.0	28	8	3	3.1	9.1	2	0.0	-1.4	0.0	7.7	19.4	4.7	0.0	3	7	0.0	20	425	8
1.86	1.00		70	5	1	-15.4	0.0	0.0	36	7	4	18.2	3.1	1	0.0	-16.4	0.0	17.2	43.1	10.4	0.0	38	38	0.0	9	70	8
4	11.72		25	1	1	-12.5	0.0	0.0	33	7	4	15.1	3.1	1	0.0	14.7	0.0	17.2	43.1	10.4	0.0	34	34	0.0	9	70	8
13	11.72		30	3	1	7.7	0.0	0.0	27	7	3	3.1	9.1	2	0.0	-0.5	0.0	7.7	19.4	4.7	0.0	1	3	0.0	20	425	8
1.86	1.00		70	5	1	-14.7	0.0	0.0	36	7	4	18.2	3.1	1	0.0	-15.5	0.0	17.2	43.1	10.4	0.0	36	36	0.0	9	70	8
5	11.72		25	1	1	-12.0	0.0	0.0	33	6	3	15.1	3.1	1	0.0	14.6	0.0	17.2	43.1	10.4	0.0	34	34	0.0	9	70	8
14	11.72		30	3	1	8.0	0.0	0.0	27	7	3	3.1	9.1	1	0.0	-0.5	0.0	7.7	19.4	4.7	0.0	1	3	0.0	20	425	8
1.86	1.00		70	5	1	-14.4	0.0	0.0	36	6	4	18.2	3.1	1	0.0	-15.5	0.0	17.2	43.1	10.4	0.0	36	36	0.0	9	70	8
8	11.72		25	1	1	-9.2	0.0	0.0	33	5	3	15.1	3.1	1	0.0	14.2	0.0	17.2	43.1	10.4	0.0	33	33	0.0	9	70	8
17	11.72		30	3	1	9.4	0.0	0.0	28	8	3	3.1	9.1	2	0.0	-1.2	0.0	7.7	19.4	4.7	0.0	3	6	0.0	20	425	8
1.86	1.00		70	5	1	-15.1	0.0	0.0	36	7	4	18.2	3.1	1	0.0	-16.2	0.0	17.2	43.1	10.4	0.0	38	38	0.0	9	70	8
9	11.72		25	1	1	-8.4	0.0	0.0	33	4	2	15.1	3.1	1	0.0	10.7	0.0	29.9	32.2	3.6	0.0	33	18	0.0	9	70	8
109	11.72		30	3	1	-7.3	0.0	0.0	33	4	2	15.1	3.1	1	0.0	7.0	0.0	29.9	32.2	3.6	0.0	22	12	0.0	9	70	8
2.5	1.00		70	5	1	6.2	0.0	0.0	27	5	2	3.1	9.1	1	0.0	3.3	0.0	10.4	26.1	6.3	0.0	10	13	0.0	20	70	8
28	11.72		25	1	1	-5.3	0.0	0.0	33	3	2	15.1	3.1	1	0.0	6.4	0.0	29.9	32.2	3.6	1.1	20	11	4.5	9	65	8
91	11.72		30	3	1	-5.3	0.0	0.0	25	5	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-2.2	0.0	0.0	24	2	1	9.1	9.1	1	0.0	1.8	0.0	10.4	26.1	6.3	1.1	6	7	4.5	20	65	8
29	11.72		25	1	1	-11.5	0.0	0.0	33	6	3	15.1	3.1	1	0.0	12.4	0.0	29.9	32.2	3.6	0.0	38	21	0.0	9	65	8
92	11.72		30	3	1	-11.5	0.0	0.0	25	10	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	5.3	0.0	10.4	26.1	6.3	0.0	17	20	0.0	20	65	8
30	11.72		25	1	1	-5.3	0.0	0.0	33	3	2	15.1	3.1	1	0.0	6.4	0.0	29.9	32.2	3.6	1.1	20	11	4.5	9	65	8
93	11.72		30	3	1	-5.3	0.0	0.0	25	5	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-2.2	0.0	0.0	24	2	1	9.1	9.1	1	0.0	1.8	0.0	10.4	26.1	6.3	1.1	6	7	4.5	20	65	8
31	11.72		25	1	1	-5.3	0.0	0.0	33	3	2	15.1	3.1	1	0.0	6.4	0.0	29.9	32.2	3.6	1.1	20	11	4.5	9	65	8
94	11.72		30	3	1	-5.3	0.0	0.0	25	5	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-2.3	0.0	0.0	24	2	1	9.1	9.1	1	0.0	1.8	0.0	10.4	26.1	6.3	1.1	6	7	4.5	20	65	8
32	11.72		25	1	1	-11.3	0.0	0.0	33	6	3	15.1	3.1	1	0.0	12.2	0.0	29.9	32.2	3.6	0.0	38	21	0.0	9	65	8
95	11.72		30	3	1	-11.3	0.0	0.0	25	10	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	2	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	5.2	0.0	10.4	26.1	6.3	0.0	16	20	0.0	20	65	8
33	11.72		25	1	1	-5.1	0.0	0.0	33	3	1	15.1	3.1	1	0.0	6.2	0.0	29.9	32.2	3.6	1.1	19	11	4.5	9	65	8
96	11.72		30	3	1	-5.1	0.0	0.0	25	4	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-2.2	0.0	0.0	24	2	1	9.1	9.1	1	0.0	1.7	0.0	10.4	26.1	6.3	1.1	5	7	4.5	20	65	8
34	11.72		25	1	1	-5.3	0.0	0.0	33	3	2	15.1	3.1	1	0.0	6.3	0.0	29.9	32.2	3.6	1.1	20	11	4.5	9	65	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
97	11.72		30	3	1	-5.3	0.0	0.0	25	4	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-2.2	0.0	0.0	24	2	1	9.1	9.1	1	0.0	1.8	0.0	10.4	26.1	6.3	1.1	6	7	4.5	20	65	8
35	11.72		25	1	1	-11.4	0.0	0.0	33	6	3	15.1	3.1	1	0.0	12.3	0.0	29.9	32.2	3.6	0.0	38	21	0.0	9	65	8
98	11.72		30	3	1	-11.4	0.0	0.0	25	10	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	2	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	5.3	0.0	10.4	26.1	6.3	0.0	17	20	0.0	20	65	8
36	11.72		25	1	1	-5.3	0.0	0.0	33	3	2	15.1	3.1	1	0.0	6.4	0.0	29.9	32.2	3.6	1.1	20	11	4.5	9	65	8
99	11.72		30	3	1	-5.3	0.0	0.0	25	5	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-2.2	0.0	0.0	24	2	1	9.1	9.1	1	0.0	1.8	0.0	10.4	26.1	6.3	1.1	6	7	4.5	20	65	8
109	11.72		27	1	2	-0.1	0.0	0.0	23	1	0	2.3	2.3	1	0.0	0.8	0.0	8.0	8.0	1.3	0.0	10	11	0.0	20	24	8
110	11.72		24	3	1	0.5	0.0	0.0	24	6	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
107	11.72		27	1	1	-0.2	0.0	0.0	24	3	1	2.3	2.3	1	0.0	-0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
154	11.72		24	3	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.3	0.0	8.0	8.0	1.3	0.0	16	16	0.0	20	7	8
2.48	1.00		24	5	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.8	0.0	8.0	8.0	1.3	0.0	22	22	0.0	20	24	8
108	11.72		27	1	2	-0.1	0.0	0.0	23	1	1	2.3	2.3	1	0.0	0.9	0.0	8.0	8.0	1.3	0.0	11	11	0.0	20	24	8
111	11.72		24	3	1	0.5	0.0	0.0	24	6	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
116	11.72		5	1	1	0.5	0.0	0.0	29	2	1	6.8	6.8	1	0.0	2.3	0.0	14.4	8.1	2.5	0.0	17	28	0.0	20	24	8
138	11.72		40	3	1	-0.9	0.0	0.0	29	3	2	6.8	6.8	1	0.0	-1.7	0.0	14.4	8.1	2.5	0.0	13	21	0.0	20	172	8
2.5	1.00		24	5	1	-3.9	0.0	0.0	30	15	8	6.8	6.8	1	0.0	-5.9	0.0	14.4	8.1	2.5	0.0	44	73	0.0	20	24	8
24	11.72		5	1	1	-5.8	0.0	0.0	0	999	999	6.8	6.8	1	0.0	6.3	0.0	14.4	8.1	2.5	0.0	47	78	0.0	20	24	8
25	11.72		40	3	1	3.2	0.0	0.0	30	12	7	6.8	6.8	1	0.0	-0.1	0.0	14.4	8.1	2.5	0.0	0	1	0.0	20	522	8
NoVer.	1.00		24	5	1	-5.8	0.0	0.0	0	999	999	6.8	6.8	1	0.0	-6.3	0.0	14.4	8.1	2.5	0.0	47	78	0.0	20	24	8
106	11.72		27	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
105	11.72		24	3	1	0.5	0.0	0.0	24	6	2	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	230	8
2.48	1.00		24	5	2	-0.1	0.0	0.0	23	1	1	2.3	2.3	1	0.0	-0.9	0.0	8.0	8.0	1.3	0.0	11	11	0.0	20	24	8
110	11.72		27	1	1	-0.2	0.0	0.0	24	3	1	2.3	2.3	1	0.0	-0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
157	11.72		24	3	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.3	0.0	8.0	8.0	1.3	0.0	16	16	0.0	20	7	8
2.48	1.00		24	5	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.8	0.0	8.0	8.0	1.3	0.0	22	22	0.0	20	24	8
107	11.72		27	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
104	11.72		24	3	1	0.5	0.0	0.0	24	6	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00		24	5	2	-0.1	0.0	0.0	23	1	0	2.3	2.3	1	0.0	-0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
151	11.72		27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.3	0.0	8.0	8.0	1.3	0.0	29	29	0.0	20	24	8
106	11.72		24	3	1	-1.1	0.0	0.0	24	13	5	2.3	2.3	1	0.0	1.6	0.0	8.0	8.0	1.3	0.0	19	20	0.0	20	42	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
150	11.72		27	1	1	-1.1	0.0	0.0	24	13	5	2.3	2.3	1	0.0	2.3	0.0	8.0	8.0	1.3	0.0	28	28	0.0	20	24	8
151	11.72		24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	2	2	0.0	20	232	8
2.48	1.00		24	5	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	-2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
152	11.72		27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.6	0.0	8.0	8.0	1.3	0.0	32	32	0.0	20	24	8
153	11.72		24	3	1	0.6	0.0	0.0	24	6	2	2.3	2.3	2	0.0	0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	252	8
2.48	1.00		24	5	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	-2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
153	11.72		27	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	2.6	0.0	8.0	8.0	1.3	0.0	32	32	0.0	20	24	8
150	11.72		24	3	1	0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	252	8
2.48	1.00		24	5	1	-1.1	0.0	0.0	24	13	5	2.3	2.3	1	0.0	-2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
154	11.72		27	1	1	-0.8	0.0	0.0	24	9	3	2.3	2.3	1	0.0	2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
152	11.72		24	3	1	1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	-0.2	0.0	8.0	8.0	1.3	0.0	2	2	0.0	20	267	8
2.48	1.00		24	5	1	-1.4	0.0	0.0	24	16	7	2.3	2.3	1	0.0	-2.9	0.0	8.0	8.0	1.3	0.0	36	36	0.0	20	24	8
155	11.72		27	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	2.6	0.0	8.0	8.0	1.3	0.0	32	32	0.0	20	24	8
158	11.72		24	3	1	0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	252	8
2.48	1.00		24	5	1	-1.1	0.0	0.0	24	13	5	2.3	2.3	1	0.0	-2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
156	11.72		27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.6	0.0	8.0	8.0	1.3	0.0	32	32	0.0	20	24	8
155	11.72		24	3	1	0.6	0.0	0.0	24	6	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	252	8
2.48	1.00		24	5	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	-2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
157	11.72		27	1	1	-0.8	0.0	0.0	24	9	3	2.3	2.3	1	0.0	2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
156	11.72		24	3	1	1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	-0.2	0.0	8.0	8.0	1.3	0.0	2	2	0.0	20	267	8
2.48	1.00		24	5	1	-1.4	0.0	0.0	24	16	7	2.3	2.3	1	0.0	-2.9	0.0	8.0	8.0	1.3	0.0	36	36	0.0	20	24	8
158	11.72		27	1	1	-1.1	0.0	0.0	24	13	5	2.3	2.3	1	0.0	2.3	0.0	8.0	8.0	1.3	0.0	28	28	0.0	20	24	8
159	11.72		24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	2	2	0.0	20	232	8
2.48	1.00		24	5	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	-2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
159	11.72		27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.3	0.0	8.0	8.0	1.3	0.0	29	29	0.0	20	24	8
111	11.72		24	3	1	-1.1	0.0	0.0	24	13	5	2.3	2.3	1	0.0	1.6	0.0	8.0	8.0	1.3	0.0	19	19	0.0	20	42	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
138	11.72		5	1	1	-0.2	0.0	0.0	29	1	0	6.8	6.8	1	0.0	0.7	0.0	14.4	8.1	2.5	0.0	5	9	0.0	20	24	8
139	11.72		40	3	1	0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	112	8
2.5	1.00		24	5	1	-0.2	0.0	0.0	29	1	0	6.8	6.8	1	0.0	-0.7	0.0	14.4	8.1	2.5	0.0	5	9	0.0	20	24	8
139	11.72		5	1	1	-2.2	0.0	0.0	29	9	4	6.8	6.8	1	0.0	2.1	0.0	14.4	8.1	2.5	0.0	16	26	0.0	20	24	8
117	11.72		40	3	1	-1.1	0.0	0.0	29	4	2	6.8	6.8	1	0.0	1.1	0.0	14.4	8.1	2.5	0.0	8	14	0.0	20	172	8
2.5	1.00		24	5	1	0.2	0.0	0.0	29	1	0	6.8	6.8	1	0.0	0.1	0.0	14.4	8.1	2.5	0.0	1	1	0.0	20	24	8
165	11.72		32	1	2	-0.6	0.7	0.0	25	2	1	7.7	7.7	2	0.5	0.9	0.0	45.9	13.9	7.7	0.0	4	6	0.0	15	24	8
142	11.72		70	3	2	0.1	-0.5	0.0	25	0	0	7.7	7.7	1	0.6	0.2	0.0	38.3	33.9	4.3	0.0	2	1	0.0	15	197	8
2.5	1.00		24	5	1	-0.1	-0.7	0.0	25	0	0	7.7	7.7	1	0.6	-0.5	0.0	45.9	13.9	7.7	0.0	3	3	0.0	15	24	8
165	11.72		7	1	1	-1.3	0.0	0.0	20	2	1	6.0	4.6	1	0.0	2.5	0.0	25.0	38.9	12.9	0.0	5	6	0.0	15	60	8
167	11.72		40	3	1	-1.3	0.0	0.0	20	2	1	6.0	4.6	1	0.0	0.8	0.0	25.0	38.9	12.9	0.0	2	2	0.0	15	15	8
2.5	1.00		60	5	1	-0.2	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-1.0	0.0	25.0	38.9	12.9	0.0	2	3	0.0	15	60	8
166	11.72		7	1	1	-1.5	0.0	0.0	20	2	1	6.0	4.6	1	0.0	2.8	0.0	25.0	38.9	12.9	0.0	5	7	0.0	15	60	8
168	11.72		40	3	1	-1.5	0.0	0.0	20	2	1	6.0	4.6	1	0.0	1.1	0.0	25.0	38.9	12.9	0.0	2	3	0.0	15	15	8
2.5	1.00		60	5	2	-0.3	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-0.7	0.0	25.0	38.9	12.9	0.0	1	2	0.0	15	60	8
167	11.72		33	1	1	-0.8	0.0	0.0	26	3	1	7.7	7.7	1	0.0	1.1	0.0	38.9	13.9	6.4	0.0	4	8	0.0	15	24	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
168	11.72		60	3	1	0.5	0.0	0.0	26	2	1	7.7	7.7	1	0.0	0.0	0.0	38.9	13.9	6.4	0.0	0	0	0.0	15	442	8
2.5	1.00		24	5	2	-0.9	0.0	0.0	27	3	1	7.7	7.7	1	0.0	-1.2	0.0	38.9	13.9	6.4	0.0	4	8	0.0	15	24	8
104	11.72		25	1	1	6.5	0.0	0.0	27	6	2	3.1	9.1	1	0.0	-3.1	0.0	10.4	26.1	6.3	0.0	10	12	0.0	20	70	8
28	11.72		30	3	1	-6.6	0.0	0.0	33	4	2	15.1	3.1	1	0.0	-6.8	0.0	29.9	32.2	3.6	0.0	21	12	0.0	9	70	8
2.5	1.00		70	5	1	-7.7	0.0	0.0	33	4	2	15.1	3.1	1	0.0	-10.5	0.0	29.9	32.2	3.6	0.0	33	18	0.0	9	70	8
105	11.72		25	1	1	7.0	0.0	0.0	27	6	2	3.1	9.1	1	0.0	2.2	0.0	10.4	26.1	6.3	0.0	7	8	0.0	20	70	8
10	11.72		30	3	1	7.1	0.0	0.0	12	17	3	18.2	3.1	1	0.0	-5.0	0.0	29.9	32.2	3.6	0.0	16	9	0.0	9	215	8
2.5	1.00		70	5	1	-11.4	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-12.3	0.0	29.9	32.2	3.6	0.0	38	21	0.0	9	70	8
116	11.72		25	1	1	5.0	0.0	0.0	12	12	2	18.2	3.1	1	0.0	6.2	0.0	17.2	43.1	10.4	0.0	14	14	0.0	9	70	8
30	11.72		30	3	1	6.6	0.0	0.0	27	6	2	3.1	9.1	1	0.0	-2.1	0.0	7.7	19.4	4.7	0.0	5	11	0.0	20	305	8
1.86	1.00		70	5	1	-7.7	0.0	0.0	33	4	2	15.1	3.1	1	0.0	-10.3	0.0	17.2	43.1	10.4	0.0	24	24	0.0	9	70	8
118	11.72		25	1	1	4.3	0.0	0.0	12	11	2	18.2	3.1	2	0.0	2.8	0.0	17.2	43.1	10.4	1.4	6	7	4.5	9	70	8
165	11.72		30	3	1	-5.5	0.0	0.0	15	13	2	3.1	9.1	1	0.0	-4.3	0.0	7.7	19.4	4.7	0.0	10	22	0.0	20	250	8
1.86	1.00		70	5	1	-13.7	0.0	0.0	34	7	4	15.1	3.1	1	0.0	-11.4	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
117	11.72		25	1	1	4.0	0.0	0.0	12	10	1	18.2	3.1	1	0.0	6.5	0.0	17.2	43.1	10.4	0.0	15	15	0.0	9	70	8
31	11.72		30	3	1	5.9	0.0	0.0	27	5	2	3.1	9.1	1	0.0	-1.7	0.0	7.7	19.4	4.7	0.0	4	9	0.0	20	305	8
1.86	1.00		70	5	1	-7.4	0.0	0.0	33	4	2	15.1	3.1	1	0.0	-9.9	0.0	17.2	43.1	10.4	0.0	23	23	0.0	9	70	8
119	11.72		25	1	1	4.3	0.0	0.0	12	11	2	18.2	3.1	2	0.0	3.0	0.0	17.2	43.1	10.4	1.4	7	7	4.5	9	70	8
166	11.72		30	3	1	-5.2	0.0	0.0	15	13	2	3.1	9.1	1	0.0	-4.2	0.0	7.7	19.4	4.7	0.0	10	22	0.0	20	250	8
1.86	1.00		70	5	1	-13.4	0.0	0.0	34	7	4	15.1	3.1	1	0.0	-11.4	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
108	11.72		25	1	1	6.9	0.0	0.0	27	6	2	3.1	9.1	1	0.0	-2.9	0.0	10.4	26.1	6.3	0.0	9	11	0.0	20	70	8
36	11.72		30	3	1	6.5	0.0	0.0	13	16	3	15.1	3.1	1	0.0	-6.6	0.0	29.9	32.2	3.6	0.0	20	11	0.0	9	70	8
2.5	1.00		70	5	1	-7.0	0.0	0.0	33	4	2	15.1	3.1	1	0.0	-10.3	0.0	29.9	32.2	3.6	0.0	32	18	0.0	9	70	8
109	11.72		25	1	1	6.9	0.0	0.0	27	6	2	3.1	9.1	1	0.0	2.4	0.0	10.4	26.1	6.3	0.0	8	9	0.0	20	70	8
18	11.72		30	3	1	6.9	0.0	0.0	12	17	3	18.2	3.1	1	0.0	-4.8	0.0	29.9	32.2	3.6	0.0	15	8	0.0	9	215	8
2.5	1.00		70	5	1	-10.8	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-12.0	0.0	29.9	32.2	3.6	0.0	37	21	0.0	9	70	8
142	11.72		32	1	1	-0.1	-0.7	0.0	25	0	0	7.7	7.7	1	-0.6	0.5	0.0	45.9	13.9	7.7	0.0	3	3	0.0	15	24	8
166	11.72		70	3	2	0.1	-0.5	0.0	25	0	0	7.7	7.7	1	-0.6	-0.2	0.0	38.3	33.9	4.3	0.0	2	2	0.0	15	197	8
2.5	1.00		24	5	2	-0.6	0.7	0.0	25	2	1	7.7	7.7	2	-0.5	-0.9	0.0	45.9	13.9	7.7	0.0	4	6	0.0	15	24	8
21	14.22		3	1	1	-3.8	0.0	-2.4	35	4	2	10.2	3.1	1	0.0	6.6	0.0	10.4	18.2	4.3	0.0	29	36	0.0	20	50	8
22	14.22		30	3	1	5.7	0.0	-2.4	30	8	4	3.1	7.1	1	0.0	-0.1	0.0	10.4	18.2	4.3	0.0	0	0	0.0	20	470	8
2.5	1.00		50	5	1	-3.8	0.0	-2.4	35	4	2	10.2	3.1	1	0.0	-6.6	0.0	10.4	18.2	4.3	0.0	29	36	0.0	20	50	8
24	14.22		3	1	1	-4.5	0.0	-3.5	36	4	3	10.2	3.1	1	0.0	6.6	0.0	10.4	18.2	4.3	0.0	29	36	0.0	20	50	8
25	14.22		30	3	1	5.0	0.0	-3.5	31	7	4	3.1	7.1	1	0.0	-0.1	0.0	10.4	18.2	4.3	0.0	0	0	0.0	20	470	8
2.5	1.00		50	5	1	-4.4	0.0	-3.5	36	4	3	10.2	3.1	1	0.0	-6.6	0.0	10.4	18.2	4.3	0.0	29	36	0.0	20	50	8
134	13.42		2	1	1	0.0	-0.2	0.0	19	0	0	6.2	2.3	1	-0.3	-0.6	0.0	17.2	17.7	1.9	0.4	5	4	2.3	20	40	8
129	13.42		30	3	1	-3.6	0.2	0.0	29	8	4	6.2	2.3	1	-0.3	-2.7	0.0	10.4	14.4	3.4	0.4	17	19	2.3	20	110	8
2.5	1.00		40	5	1	-5.1	0.4	0.0	29	12	6	6.2	2.3	1	-0.3	-4.8	0.0	10.4	14.4	3.4	0.4	29	33	2.3	20	40	8
136	13.42		26	1	1	-0.1	0.2	-0.3	29	1	0	2.3	2.3	1	0.0	0.5	0.0	10.4	8.1	1.7	0.0	5	6	0.0	20	24	8
24	14.22		30	3	1	0.5	0.1	-0.2	23	5	2	2.3	2.3	1	0.0	-0.1	0.0	10.3	10.0	1.0	0.0	1	1	0.0	20	468	8
2.5	1.00		24	5	2	-0.6	0.0	-0.1	22	6	2	2.3	2.3	1	0.0	-0.7	0.0	10.4	8.1	1.7	0.0	7	9	0.0	20	24	8
134	13.42		26	1	1	-0.1	0.2	-0.4	30	1	0	2.3	2.3	1	0.0	0.5	0.0	10.4	8.1	1.7	0.0	5	6	0.0	20	24	8
21	14.22		30	3	1	0.5	0.1	-0.3	23	5	2	2.3	2.3	1	0.0	-0.1	0.0	10.4	10.0	1.0	0.0	1	1	0.0	20	468	8
2.5	1.00		24	5	2	-0.6	0.0	-0.2	22	6	2	2.3	2.3	2	0.0	-0.7	0.0	10.4	8.1	1.7	0.0	7	9	0.0	20	24	8
135	13.42		26	1	1	-0.1	-0.2	-0.4	31	1	0	2.3	2.3	1	0.0	0.5	0.0	10.4	8.1	1.7	0.0	5	6	0.0	20	24	8
22	14.22		30	3	1	0.4	-0.1	-0.3	23	5	2	2.3	2.3	1	0.0	-0.1	0.0	10.4	8.1	1.7	0.0	1	1	0.0	20	468	8
2.5	1.00		24	5	2	-0.6	0.0	-0.2	23	7	2	2.3	2.3	1	0.0	-0.7	0.0	10.4	8.1	1.7	0.0	7	9	0.0	20	24	8
136	13.42		2	1	1	0.0	-0.2	0.0	19	0	0	6.2	2.3	1	-0.2	-0.6	0.0	17.2	17.7	1.9	0.4	5	4	2.3	20	40	8
132	13.42		30	3	1	-3.6	0.2	0.0	29	8	4	6.2	2.3	1	-0.2	-2.7	0.0	10.4	14.4	3.4	0.4	16	19	2.3	20	110	8
2.5	1.00		40	5	1	-5.0	0.3	0.0	29	12	6	6.2	2.3	1	-0.2	-4.8	0.0	10.4	14.4	3.4	0.4	28	33	2.3	20	40	8
137	13.42		26	1	1	-0.1	-0.2	-0.4	30	1	0	2.3	2.3	1	0.0	0.5	0.0	10.4	8.1	1.7	0.0	5	6	0.0	20	24	8
25	14.22		30	3	1	0.5	-0.1	-0.3	23	5	2	2.3	2.3	2	0.0	-0.1	0.0	10.4	10.0	1.0	0.0	1	1	0.0	20	468	8
2.5	1.00		24	5	2	-0.6	0.0	-0.2	22	6	2	2.3	2.3	1	0.0	-0.7	0.0	10.4	8.1	1.7	0.0	7	9	0.0	20	24	8
129	13.42		2	1	1	-0.6	0.0	0.0	28	1	1	6.2	2.3	1	0.0	2.0	0.0	10.4	14.4	3.4	0.4	11	14	2.3	20	40	8
130	13.42		30	3	1	0.3	0.0	0.0	17	2	0	6.2	2.3	1	0.0	-0.1	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	100	8
2.5	1.00		40	5	1	-0.6	0.0	0.0	28	1	1	6.2	2.3	1	0.0	-2.0	0.0	10.4	14.4	3.4	0.4	11	14	2.3	20	40	8
132	13.42		2	1	1	-0.6	0.0	0.0	28	1	1	6.2	2.3	1	0.0	2.0	0.0	10.4	14.4	3.4	0.4	11	14	2.3	20	40	8
133	13.42		30	3	1	0.3	0.0	0.0	17	2	0	6.2	2.3	1	0.0	-0.1	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	100	8
2.5	1.00		40	5	1	-0.6	0.0	0.0	28	1	1	6.2	2.3	1	0.0	-2.0	0.0	10.4	14.4	3.4	0.4	11	14	2.3	20	40	8
130	13.42		2	1	1	-5.1	0.5	0.0	29	12	6	6.2	2.3	1	0.3	4.8	0.0	10.4	14.4	3.4	0.4	29	33	2.3	20	40	8
135	13.42		30	3	1	-3.6	0.3	0.0	29	8	4	6.2	2.3	1	0.3	2.7	0.0	10.4	14.4	3.4	0.4	17	19	2.3	20	110	8
2.5	1.00		40	5	1	0.0	-0.2	0.0	18	0	0	6.2	2.3	1	0.3	0.6	0.0	17.2	17.7	1.9	0.4	5	4	2.3	20	40	8
133	13.42		2	1	1	-5.0	0.4	0.0	29	12	6	6.2	2.3	1	0.3	4.8	0.0	10.4	14.4	3.4	0.4	29	33	2.3	20	40	8
137	13.42		30	3	1	-3.6	0.2	0.0	29	8	4	6.2	2.3	1	0.3	2.7	0.0	10.4	14.4	3.4	0.4	17	19	2.3	20	110	8
2.5	1.00		40	5	1	0.0	-0.2	0.0	19	0	0	6.2	2.3	1	0.3	0.6	0.0	17.2	17.7	1.9	0.4	5	4	2.3	20	40	8
26	1.40	2	25	1	1	-1.2	0.0	0.0	35	1	0	17.4	3.0	1	0.0	1.9	0.0	30.0	32.2	3.6	0.0	6	3	0.0	9	52	8
35	1.40	/	30	3	1	-1.2	0.0	0.0	35	1	0	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	5	70	5	1	0.5	0.0	0.0	27	0	0	2.3	9.1	1	0.0	1.2	0.0	10.4	26.1	6.4	0.0	4	5	0.0	20	52	8
26	1.40	3	25	1	1	-0.2	0.0	0.0	12	1	0	2.3	9.1	1	0.0	0.8	0.0	10.4	26.1	6.4	0.0	2	3	0.0	20	52	8
35	1.40	/	30	3	1	0.2	0.0	0.0	27	0	0	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00	5	70	5	1	0.2	0.0	0.0	27	0	0	2.3	9.1	1	0.0	0.1	0.0	10.4	26.1	6.4	0.0	0	0	0.0	20	52	8
26	1.40	4	25	1	2	-0.1	0.0	0.0	12	0	0	2.3	9.1	1	0.0	0.6	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	52	8
35	1.40	/	30	3	2	0.2	0.0	0.0	13	0	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	5	70	5	2	0.2	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-0.1	0.0	30.0	32.2	3.6	0.0	0	0	0.0	9	52	8
26	1.40	5	25	1	1	-2.7	0.0	0.0	32	2	1	14.3	3.0	1	0.0	3.5	0.0	17.2	43.2	10.6	0.0	8	8	0.0	9	52	8
35	1.40	/	30	3	1	-2.7	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	5	70	5	2	0.7	0.0	0.0	13	2	0	14.3	3.0	1	0.0	2.8	0.0	17.2	43.2	10.6	0.0	7	7	0.0	9	52	8
35	1.40	2	5	1	2	-0.1	0.0	0.0	31	0	0	7.1	3.1	2	0.0	0.3	0.0	14.1	13.2	1.4	0.0	2	2	0.0	12	24	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
34	1.40	/	40	3	1	0.0	0.0	0.0	21	0	0	7.1	3.1	1	0.0	0.1	0.0	23.9	13.4	4.1	0.0	1	1	0.0	12	68	8
2.5	1.00	5	24	5	2	0.0	0.0	0.0	31	0	0	3.1	7.1	1	0.0	-0.1	0.0	14.3	8.0	2.4	0.0	1	1	0.0	20	24	8
35	1.40	3	5	1	1	-0.1	0.0	0.0	21	1	0	3.1	7.1	1	0.0	0.3	0.0	14.3	8.0	2.4	0.0	3	4	0.0	20	24	8
34	1.40	/	40	3	1	-0.1	0.0	0.0	21	0	0	3.1	7.1	1	0.0	0.2	0.0	14.3	8.0	2.4	0.0	1	2	0.0	20	68	8
2.5	1.00	5	24	5	1	0.1	0.0	0.0	31	0	0	3.1	7.1	2	0.0	0.0	0.0	14.3	8.0	2.4	0.0	0	0	0.0	20	24	8
35	1.40	4	5	1	1	-0.1	0.0	0.0	21	1	0	3.1	7.1	1	0.0	0.3	0.0	14.3	8.0	2.4	0.0	2	4	0.0	20	24	8
34	1.40	/	40	3	1	-0.1	0.0	0.0	31	0	0	7.1	3.1	1	0.0	0.1	0.0	23.9	13.4	4.1	0.0	1	1	0.0	12	68	8
2.5	1.00	5	24	5	1	0.0	0.0	0.0	21	0	0	7.1	3.1	2	0.0	-0.1	0.0	23.9	13.4	4.1	0.0	0	0	0.0	12	24	8
35	1.40	5	5	1	1	-0.2	0.0	0.0	31	1	0	7.1	3.1	1	0.0	0.4	0.0	23.7	13.3	4.0	0.0	3	3	0.0	12	24	8
34	1.40	/	40	3	1	-0.1	0.0	0.0	31	0	0	7.1	3.1	1	0.0	0.2	0.0	23.7	13.3	4.0	0.0	2	2	0.0	12	68	8
2.48	1.00	5	24	5	1	0.1	0.0	0.0	21	1	0	7.1	3.1	1	0.0	0.0	0.0	23.7	13.3	4.0	0.0	0	0	0.0	12	24	8
100	1.40	2	25	1	1	-5.4	0.0	0.0	35	2	1	17.4	3.0	1	0.0	17.2	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	30	8
25	1.40	/	30	3	1	-5.4	0.0	0.0	35	3	1	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	2	70	5	1	4.8	0.0	0.0	15	9	2	17.4	3.0	1	0.0	16.8	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	30	8
25	1.40	2	25	1	1	0.8	0.0	0.0	12	2	0	17.4	3.0	1	0.0	-3.0	0.0	17.2	43.2	10.6	0.0	7	7	0.0	9	26	8
119	1.40	/	30	3	1	-0.9	0.0	0.0	35	0	0	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	2	70	5	1	-0.9	0.0	0.0	35	0	0	17.4	3.0	1	0.0	-3.3	0.0	17.2	43.2	10.6	0.0	8	8	0.0	9	26	8
119	1.40	2	25	1	1	-0.4	0.0	0.0	35	0	0	17.4	3.0	1	0.0	0.9	0.0	10.4	26.1	6.4	0.0	3	3	0.0	20	52	8
34	1.40	/	30	3	1	-0.4	0.0	0.0	12	1	0	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00	4	70	5	1	0.1	0.0	0.0	27	0	0	2.3	9.1	1	0.0	0.2	0.0	10.4	26.1	6.4	0.0	1	1	0.0	20	52	8
119	1.40	3	25	1	1	-0.3	0.0	0.0	12	1	0	2.3	9.1	1	0.0	0.8	0.0	10.4	26.1	6.4	0.0	3	3	0.0	20	52	8
34	1.40	/	30	3	1	0.2	0.0	0.0	27	0	0	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00	4	70	5	1	0.2	0.0	0.0	13	1	0	14.3	3.0	1	0.0	0.1	0.0	30.0	32.2	3.6	0.0	0	0	0.0	9	52	8
119	1.40	4	25	1	1	-0.5	0.0	0.0	32	0	0	14.3	3.0	1	0.0	1.6	0.0	17.2	43.2	10.6	0.0	4	4	0.0	9	52	8
34	1.40	/	30	3	1	0.8	0.0	0.0	13	2	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	4	70	5	1	0.8	0.0	0.0	13	2	0	14.3	3.0	1	0.0	0.9	0.0	17.2	43.2	10.6	0.0	2	2	0.0	9	52	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	Area cmq h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
1	0.00		4	1	1	1.7	-1.7	-84.2		1	5	6.0	4.0	1	2.1	7.1	0.0	10.4	22.1	5.2	0.0	26	32	0.0	20	35	8
1	1.40		30	3	1	-1.7	1.7	-84.0		1	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-3.3	1.7	-83.8		1	5	6.0	4.0	1	2.1	7.1	0.0	10.4	22.1	5.2	0.0	26	32	0.0	20	35	8
2	0.00		4	1	1	2.7	2.4	-119.6		2	7	6.0	4.0	1	-0.4	11.6	0.0	10.4	22.1	5.2	0.0	42	52	0.0	20	35	8
2	1.40		30	3	1	-2.4	2.4	-119.4		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-5.4	-2.4	-119.2		1	8	6.0	4.0	1	-0.4	11.6	0.0	10.4	22.1	5.2	0.0	42	52	0.0	20	35	8
3	0.00		4	1	1	2.7	-2.3	-116.7		2	7	6.0	4.0	1	0.1	11.5	0.0	10.4	22.1	5.2	0.0	39	52	0.0	20	35	8
3	1.40		30	3	1	-2.3	2.3	-116.5		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-5.3	2.3	-116.3		1	8	6.0	4.0	1	0.1	11.5	0.0	10.4	22.1	5.2	0.0	39	52	0.0	20	35	8
4	0.00		4	1	1	2.9	2.8	-138.1		2	8	6.0	4.0	1	0.1	12.3	0.0	20.6	22.0	2.8	0.0	56	55	0.0	20	35	8
4	1.40		30	3	1	-2.8	2.8	-137.9		2	8	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-5.7	2.8	-137.6		1	9	6.0	4.0	1	0.1	12.3	0.0	20.6	22.0	2.8	0.0	56	55	0.0	20	35	8
5	0.00		4	1	1	3.2	2.8	-140.1		2	8	6.0	4.0	1	-0.2	13.4	0.0	19.9	21.3	2.7	0.0	64	61	0.0	20	35	8
5	1.40		30	3	1	-2.8	2.8	-139.9		2	8	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-6.2	-2.8	-139.7		1	9	6.0	4.0	1	-0.2	13.4	0.0	19.9	21.3	2.7	0.0	64	61	0.0	20	35	8
6	0.00		4	1	1	3.1	3.1	-153.7		3	9	6.0	4.0	1	-1.7	0.2	0.0	10.4	22.1	5.2	0.0	12	16	0.0	20	35	8
6	1.40		30	3	1	3.1	3.1	-153.5		3	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	3.1	-3.1	-153.3		3	9	6.0	4.0	1	-1.7	0.2	0.0	10.4	22.1	5.2	0.0	12	16	0.0	20	35	8
7	0.00		10	1	1	-3.0	3.0	-149.7		2	6	6.0	4.0	1	-0.5	-6.1	0.0	18.2	18.2	8.0	0.0	15	34	0.0	20	35	8
7	1.40		50	3	1	3.0	3.0	-149.4		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	3.0	-3.0	-149.1		2	6	6.0	4.0	1	-0.5	-6.1	0.0	18.2	18.2	8.0	0.0	15	34	0.0	20	35	8
8	0.00		4	1	1	2.8	-2.8	-139.7		2	8	6.0	4.0	1	1.8	-0.1	0.0	10.4	22.1	5.2	0.0	11	18	0.0	20	35	8
8	1.40		30	3	1	2.8	2.8	-139.5		2	8	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.8	2.8	-139.3		2	8	6.0	4.0	1	1.8	-0.1	0.0	10.4	22.1	5.2	0.0	11	18	0.0	20	35	8
9	0.00		4	1	1	1.7	1.7	-85.0		1	5	6.0	4.0	1	-2.3	6.8	0.0	10.4	22.1	5.2	0.0	25	31	0.0	20	35	8
9	1.40		30	3	1	-1.7	1.7	-84.8		1	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-3.1	-1.7	-84.6		1	5	6.0	4.0	1	-2.3	6.8	0.0	10.4	22.1	5.2	0.0	25	31	0.0	20	35	8
10	0.00		4	1	1	2.6	2.6	-127.8		2	7	6.0	4.0	1	-0.5	1.0	0.0	24.1	25.8	3.3	0.0	6	5	0.0	20	35	8
10	1.40		30	3	1	2.6	2.6	-127.6		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.5	-2.5	-127.4		2	7	6.0	4.0	1	-0.5	1.0	0.0	24.1	25.8	3.3	0.0	6	5	0.0	20	35	8
11	0.00		4	1	1	3.7	3.7	-183.4		3	12	6.0	4.0	1	-0.1	1.3	0.0	7.3	7.8	1.0	0.0	18	8	0.0	20	35	8
11	1.40		30	3	1	3.7	3.7	-183.2		3	12	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.75	0.00		60	5	1	-3.7	3.7	-183.0		3	12	6.0	4.0	1	-0.1	1.3	0.0	7.3	7.8	1.0	0.0	18	8	0.0	20	35	8
12	0.00		4	1	1	3.7	3.7	-183.2		3	12	6.0	4.0	1	-0.1	1.3	0.0	7.4	7.9	1.0	0.0	18	9	0.0	20	35	8
12	1.40		30	3	1	3.7	3.7	-183.0		3	12	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.76	0.00		60	5	1	-3.7	3.7	-182.8		3	12	6.0	4.0	1	-0.1	1.3	0.0	7.4	7.9	1.0	0.0	18	9	0.0	20	35	8
13	0.00		4	1	1	3.6	3.6	-181.2		3	11	6.0	4.0	1	-0.1	0.9	0.0	7.8	8.3	1.1	0.0	12	6	0.0	20	35	8
13	1.40		30	3	1	3.6	3.6	-181.0		3	11	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.88	0.00		60	5	1	-3.6	3.6	-180.8		3	11	6.0	4.0	1	-0.1	0.9	0.0	7.8	8.3	1.1	0.0	12	6	0.0	20	35	8
14	0.00		4	1	1	3.6	3.6	-178.3		3	11	6.0	4.0	1	-0.1	0.6	0.0	8.5	9.0	1.2	0.0	7	3	0.0	20	35	8
14	1.40		30	3	1	3.6	3.6	-178.1		3	11	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.03	0.00		60	5	1	-3.6	3.6	-177.9		3	11	6.0	4.0	1	-0.1	0.6	0.0	8.5	9.0	1.2	0.0	7	3	0.0	20	35	8
15	0.00		4	1	1	3.6	3.6	-178.4		3	11	6.0	4.0	1	-0.1	1.2	0.0	8.4	9.0	1.1	0.0	14	6	0.0	20	35	8
15	1.40		30	3	1	3.6	3.6	-178.2		3	11	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.03	0.00		60	5	1	-3.6	-3.6	-178.0		3	11	6.0	4.0	1	-0.1	1.2	0.0	8.4	9.0	1.1	0.0	14	6	0.0	20	35	8
16	0.00		10	1	1	-3.6	3.6	-177.5		3	7	6.0	4.0	1	-0.1	-4.7	0.0	18.2	18.2	8.0	0.0	14	26	0.0	20	35	8
16	1.40		50	3	1	3.5	3.5	-177.3		3	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	3.5	3.5	-177.0		3	7	6.0	4.0	1	-0.1	-4.7	0.0	18.2	18.2	8.0	0.0	14	26	0.0	20	35	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final N/Nc	Tratt	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
17	0.00	4	1	1	3.7	3.7	-182.5		3	11	6.0	4.0	1	-0.1	2.7	0.0	7.5	8.0	1.0	0.0	34	17	0.0	20	35	8
17	1.40	30	3	1	-3.6	3.6	-182.4		3	11	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.8	0.00	60	5	1	-3.6	3.6	-182.1		3	11	6.0	4.0	1	-0.1	2.7	0.0	7.5	8.0	1.0	0.0	34	17	0.0	20	35	8
18	0.00	4	1	1	2.6	-2.6	-127.8		2	7	6.0	4.0	1	0.3	0.6	0.0	24.1	25.7	3.3	0.0	4	3	0.0	20	35	8
18	1.40	30	3	1	2.6	2.6	-127.7		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	-2.5	2.5	-127.4		2	7	6.0	4.0	1	0.3	0.6	0.0	24.1	25.7	3.3	0.0	4	3	0.0	20	35	8
19	0.00	4	1	1	-2.6	2.6	-128.0		2	7	6.0	4.0	1	-0.4	-0.4	0.0	10.4	22.1	5.2	0.0	3	4	0.0	20	35	8
19	1.40	30	3	1	2.6	2.6	-127.9		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	2.6	-2.6	-127.6		2	7	6.0	4.0	1	-0.4	-0.4	0.0	10.4	22.1	5.2	0.0	3	4	0.0	20	35	8
20	0.00	4	1	1	-3.6	3.6	-181.6		3	11	6.0	4.0	1	-0.1	-0.7	0.0	7.7	8.3	1.1	0.0	10	4	0.0	20	35	8
20	1.40	30	3	1	3.6	3.6	-181.4		3	11	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.86	0.00	60	5	1	3.6	3.6	-181.2		3	11	6.0	4.0	1	-0.1	-0.7	0.0	7.7	8.3	1.1	0.0	10	4	0.0	20	35	8
21	0.00	4	1	1	-3.4	3.4	-171.9		3	11	6.0	4.0	1	0.0	-5.9	0.0	9.7	10.4	1.3	0.0	58	29	0.0	20	35	8
21	1.40	30	3	1	3.4	3.4	-171.8		3	11	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.33	0.00	60	5	1	3.4	3.4	-171.5		3	11	6.0	4.0	1	0.0	-5.9	0.0	9.7	10.4	1.3	0.0	58	29	0.0	20	35	8
22	0.00	4	1	1	-3.4	3.4	-172.3		3	11	6.0	4.0	1	-0.2	-4.5	0.0	9.6	10.3	1.3	0.0	45	22	0.0	20	35	8
22	1.40	30	3	1	3.4	3.4	-172.2		3	11	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.31	0.00	60	5	1	3.4	-3.4	-171.9		3	11	6.0	4.0	1	-0.2	-4.5	0.0	9.6	10.3	1.3	0.0	45	22	0.0	20	35	8
23	0.00	4	1	1	-3.6	3.6	-179.2		3	11	6.0	4.0	1	-0.1	-0.8	0.0	8.3	8.8	1.1	0.0	9	4	0.0	20	35	8
23	1.40	30	3	1	3.6	3.6	-179.0		3	11	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.98	0.00	60	5	1	3.6	3.6	-178.8		3	11	6.0	4.0	1	-0.1	-0.8	0.0	8.3	8.8	1.1	0.0	9	4	0.0	20	35	8
24	0.00	4	1	1	-3.5	-3.5	-174.1		3	11	6.0	4.0	1	2.0	-4.3	0.0	9.3	9.9	1.3	0.0	65	22	0.0	20	35	8
24	1.40	30	3	1	3.5	3.5	-173.9		3	11	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.23	0.00	60	5	1	3.5	3.5	-173.7		3	11	6.0	4.0	1	2.0	-4.3	0.0	9.3	9.9	1.3	0.0	65	22	0.0	20	35	8
25	-1.60	4	1	1	0.9	0.9	-45.2		1	2	6.0	4.0	1	-0.6	0.4	0.0	10.4	22.1	5.2	0.0	3	5	0.0	20	115	8
25	1.40	30	3	1	-0.9	-0.9	-44.7		1	2	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	-0.9	-0.9	-43.9		1	2	6.0	4.0	1	-0.6	0.4	0.0	10.4	22.1	5.2	0.0	3	5	0.0	20	115	8
26	-1.60	4	1	1	-4.3	-1.5	-77.3		1	5	6.0	4.0	1	1.0	-5.0	0.0	10.4	22.1	5.2	0.0	17	22	0.0	20	115	8
26	1.40	30	3	1	2.6	1.5	-76.5		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	7.1	1.5	-75.9		0	6	6.0	4.0	1	1.0	-5.0	0.0	10.4	22.1	5.2	0.0	17	22	0.0	20	115	8
27	0.00	4	1	1	-2.6	-2.6	-128.1		2	7	6.0	4.0	1	0.3	-0.7	0.0	24.0	25.6	3.3	0.0	4	3	0.0	20	35	8
27	1.40	30	3	1	2.6	2.6	-128.0		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	2.6	2.6	-127.7		2	7	6.0	4.0	1	0.3	-0.7	0.0	24.0	25.6	3.3	0.0	4	3	0.0	20	35	8
28	0.00	4	1	1	-1.7	-1.7	-83.0		1	4	6.0	4.0	1	2.2	-6.7	0.0	10.4	22.1	5.2	0.0	25	30	0.0	20	35	8
28	1.40	30	3	1	1.7	1.7	-82.8		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	3.2	1.7	-82.6		1	5	6.0	4.0	1	2.2	-6.7	0.0	10.4	22.1	5.2	0.0	25	30	0.0	20	35	8
29	0.00	4	1	1	-2.7	2.7	-134.7		2	8	6.0	4.0	1	-0.1	-11.1	0.0	10.4	22.1	5.2	0.0	48	50	0.0	20	35	8
29	1.40	30	3	1	2.7	2.7	-134.6		2	8	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	5.3	2.7	-134.3		2	9	6.0	4.0	1	-0.1	-11.1	0.0	10.4	22.1	5.2	0.0	48	50	0.0	20	35	8
30	0.00	4	1	1	-1.5	1.5	-77.1		1	4	6.0	4.0	1	-2.3	-6.2	0.0	10.4	22.1	5.2	0.0	24	28	0.0	20	35	8
30	1.40	30	3	1	1.5	1.5	-76.9		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	3.0	-1.5	-76.7		1	5	6.0	4.0	1	-2.3	-6.2	0.0	10.4	22.1	5.2	0.0	24	28	0.0	20	35	8
31	0.00	4	1	1	-1.5	-1.5	-76.9		1	4	6.0	4.0	1	2.2	-6.6	0.0	10.4	22.1	5.2	0.0	25	30	0.0	20	35	8
31	1.40	30	3	1	1.5	1.5	-76.7		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	3.2	1.5	-76.5		1	5	6.0	4.0	1	2.2	-6.6	0.0	10.4	22.1	5.2	0.0	25	30	0.0	20	35	8
32	0.00	4	1	1	-2.6	2.6	-132.3		2	8	6.0	4.0	1	-0.2	-11.1	0.0	10.4	22.1	5.2	0.0	47	50	0.0	20	35	8
32	1.40	30	3	1	2.6	2.6	-132.2		2	8	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	5.3	-2.6	-131.9		1	9	6.0	4.0	1	-0.2	-11.1	0.0	10.4	22.1	5.2	0.0	47	50	0.0	20	35	8
33	0.00	4	1	1	-0.4	0.4	-18.7		0	1	6.0	4.0	1	-0.3	-1.3	0.0	10.4	22.1	5.2	0.0	5	6	0.0	20	58	8
33	1.40	30	3	1	0.5	-0.4	-18.3		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	1.2	-0.4	-18.0		0	1	6.0	4.0	1	-0.3	-1.3	0.0	10.4	22.1	5.2	0.0	5	6	0.0	20	58	8
34	-1.60	4	1	1	-0.4	-0.3	-14.0		0	1	6.0	4.0	1	0.1	-0.5	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	115	8
34	1.40	30	3	1	0.3	0.3	-13.4		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	0.7	0.3	-12.6		0	1	6.0	4.0	1	0.1	-0.5	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	115	8
35	-1.60	4	1	1	1.1	-1.1	-54.9		1	3	6.0	4.0	1	1.0	0.8	0.0	10.4	22.1	5.2	0.0	5	9	0.0	20	115	8
35	1.40	30	3	1	-1.1	1.1	-54.4		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	-1.2	1.3	-53.6		1	3	6.0	4.0	1	1.0	0.8	0.0	10.4	22.1	5.2	0.0	5	9	0.0	20	115	8
36	0.00	4	1	1	-1.6	1.6	-82.3		1	4	6.0	4.0	1	-2.4	-7.0	0.0	10.4	22.1	5.2	0.0	26	32	0.0	20	35	8
36	1.40	30	3	1	1.6	1.6	-82.1		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	3.4	-1.6	-81.9		1	5	6.0	4.0	1	-2.4	-7.0	0.0	10.4	22.1	5.2	0.0	26	32	0.0	20	35	8
37	0.00	2	1	1	1.3	1.3	-62.9		1	5	4.0	4.0	2	-0.1	0.3	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	35	8
37	1.40	30	3	1	1.3	1.3	-62.8		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.3	-1.3	-62.7		1	5	4.0	4.0	2	-0.1	0.3	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	35	8
38	0.00	10	1	1	1.7	1.7	-84.6		1	3	6.0	4.0	2	-0.1	0.2	0.0	18.2	18.2	8.0	0.0	1	1	0.0	20	35	8
38	1.40	50	3	1	1.7	1.7	-84.3		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	1.7	1.7	-84.0		1	3	6.0	4.0	2	-0.1	0.2	0.0	18.2	18.2	8.0	0.0	1	1	0.0	20	35	8
39	0.00	2	1	1	1.0	1.0	-50.8		1	4	4.0	4.0	2	-0.1	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	35	8
39	1.40	30	3	1	1.0	1.0	-50.6		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.0	-1.0	-50.5		1	4	4.0	4.0	2	-0.1	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	35	8
40	0.00	2	1	1	0.4	0.4	-19.1		0	2	4.0	4.0	1	-0.1	0.0	0.0	10.4	14.3	3.3	0.0	0	1	0.0	20	70	8
40	1.40	30	3	1	0.4	0.4	-18.9		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-0.4	-0.4	-18.5		0	1	4.0	4.0	1	-0.1	0.0	0.0	10.4	14.3	3.3	0.0	0	1	0.0	20	70	8
41	0.00	2	1	1	-0.5	0.3	-11.9		0	1	4.0	4.0	1	-0.6	-1.2	0.0	19.6	20.2	2.0	0.0	9	9	0.0	20	70	8
41	1.40	30	3	1	0.5	-0.2	-11.6		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.2	-0.6	-11.3		1	2	4.0	4.0	1	-0.6	-1.2	0.0	19.6	20.2	2.0	0.0	9	9	0.0	20	70	8
42	0.00	2	1	1	-0.3	0.3	-13.7		0	1	4.0	4.0	1	-0.1	-0.6	0.0	10.4	14.3	3.3	0.0	3	4	0.0	20	70	8
42	1.40	30	3	1	0.3	0.3	-13.4		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	0.6	-0.3	-13.1		0	1	4.0	4.0	1	-0.1	-0.6	0.0	10.4	14.3	3.3	0.0	3	4	0.0	20	70	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
43	0.00	2	1	1	2.7	-0.7	-33.1	1	4	4.0	4.0	1	1.0	9.6	0.0	10.4	14.3	3.3	0.0	46	67	0.0	20	35	8
43	1.40	30	3	1	-1.4	0.7	-32.9	0	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-4.1	0.7	-32.8	2	6	4.0	4.0	1	1.0	9.6	0.0	10.4	14.3	3.3	0.0	46	67	0.0	20	35	8
44	0.00	2	1	1	4.4	0.8	-40.3	2	7	4.0	4.0	1	-0.1	16.1	0.0	10.4	14.3	3.3	0.0	70	113	0.0	20	35	8
44	1.40	30	3	1	-2.3	-0.8	-40.2	0	4	4.0	4.0	1	-0.1	16.1	0.0	10.4	14.3	3.3	0.0	70	113	0.0	20	0	8
NoVer.	0.00	40	5	1	-6.8	-0.8	-40.1	7	10	4.0	4.0	1	-0.1	16.1	0.0	10.4	14.3	3.3	0.0	70	113	0.0	20	35	8
45	0.00	2	1	1	2.9	0.5	-24.9	1	4	4.0	4.0	1	-0.6	10.5	0.0	10.4	14.3	3.3	0.0	50	73	0.0	20	35	8
45	1.40	30	3	1	-1.5	-0.5	-24.8	0	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-4.4	-0.5	-24.7	5	6	4.0	4.0	1	-0.6	10.5	0.0	10.4	14.3	3.3	0.0	50	73	0.0	20	35	8
128	0.00	28	1	1	-0.9	-1.0	-45.5	0	1	3.0	1.0	1	-1.3	-0.2	0.0	42.5	3.3	6.3	0.0	2	5	0.0	40	70	8
128	1.40	220	3	1	0.9	-2.1	-44.3	0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	0.9	-2.8	-43.5	0	1	3.0	1.0	1	-1.3	-0.2	0.0	42.5	3.3	6.3	0.0	2	5	0.0	40	70	8
129	0.00	29	1	1	-0.2	-0.2	-7.7	0	1	3.1	4.2	1	0.0	-0.1	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	113	8
129	2.26	20	3	1	0.1	-0.1	-7.4	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.1	-0.1	-7.0	0	1	3.1	4.2	1	0.0	-0.1	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	113	8
130	0.00	29	1	1	0.3	0.3	-15.6	0	2	3.1	4.2	1	0.0	0.2	0.0	16.0	18.0	1.5	0.0	1	1	0.0	20	91	8
130	2.26	20	3	1	0.3	0.3	-15.4	0	2	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-0.3	-0.3	-15.0	0	2	3.1	4.2	1	0.0	0.2	0.0	16.0	18.0	1.5	0.0	1	1	0.0	20	91	8
131	0.00	28	1	1	-1.4	1.4	-68.3	1	2	3.0	1.0	1	-4.5	-0.3	0.0	42.5	3.3	6.3	0.0	6	11	0.0	40	70	8
131	1.40	220	3	1	1.3	-3.0	-67.1	0	2	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	1.3	-5.6	-66.3	0	2	3.0	1.0	1	-4.5	-0.3	0.0	42.5	3.3	6.3	0.0	6	11	0.0	40	70	8
132	0.00	29	1	1	-0.2	0.2	-11.0	0	1	3.1	4.2	1	0.0	-0.1	0.0	15.4	17.4	1.5	0.0	0	0	0.0	20	113	8
132	2.26	20	3	1	0.2	0.2	-10.7	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.2	-0.2	-10.2	0	1	3.1	4.2	1	0.0	-0.1	0.0	15.4	17.4	1.5	0.0	0	0	0.0	20	113	8
133	0.00	29	1	1	-0.5	0.5	-24.0	1	2	3.1	4.2	1	0.0	-0.4	0.0	17.1	19.2	1.5	0.0	2	2	0.0	20	91	8
133	2.26	20	3	1	0.5	0.5	-23.7	1	2	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.5	-0.5	-23.4	1	2	3.1	4.2	1	0.0	-0.4	0.0	17.1	19.2	1.5	0.0	2	2	0.0	20	91	8
160	0.00	30	1	1	-1.1	0.7	-33.4	0	1	3.1	15.4	1	0.0	-1.3	0.0	73.7	90.0	8.9	0.0	1	1	0.0	20	70	8
160	1.40	20	3	1	-0.7	0.7	-32.8	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	0.7	0.6	-31.8	0	1	3.1	15.4	1	0.0	-1.3	0.0	73.7	90.0	8.9	0.0	1	1	0.0	20	70	8
161	0.00	30	1	1	1.2	0.7	-36.4	0	1	3.1	15.4	1	-0.1	0.2	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	70	8
161	1.40	20	3	1	1.1	0.7	-35.7	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	0.9	-0.7	-34.7	0	1	3.1	15.4	1	-0.1	0.2	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	70	8
162	0.00	30	1	1	1.2	0.8	-37.7	0	1	3.1	15.4	1	-0.1	0.2	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	70	8
162	1.40	20	3	1	1.1	0.7	-37.1	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	0.9	-0.7	-36.1	0	1	3.1	15.4	1	-0.1	0.2	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	70	8
165	0.00	31	1	1	-1.3	1.3	-65.7	1	2	7.6	12.7	1	-3.8	-11.4	0.0	82.7	87.8	10.9	0.0	18	14	0.0	15	35	8
165	1.40	40	3	1	3.6	-1.3	-65.2	0	2	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	85	5	1	6.8	-1.5	-64.9	0	2	7.6	12.7	1	-3.8	-11.4	0.0	82.7	87.8	10.9	0.0	18	14	0.0	15	35	8
166	0.00	31	1	1	-1.0	-1.0	-51.1	1	1	7.6	12.7	1	1.0	-2.5	0.0	80.6	85.6	10.9	0.0	4	3	0.0	15	58	8
166	1.40	40	3	1	1.5	1.0	-50.4	1	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	85	5	1	2.7	1.0	-49.9	0	1	7.6	12.7	1	1.0	-2.5	0.0	80.6	85.6	10.9	0.0	4	3	0.0	15	58	8
1	1.40	3	1	1	2.5	-1.3	-66.3	1	5	6.0	4.0	1	0.5	2.2	0.0	10.4	18.2	4.3	0.0	9	12	0.0	20	137	8
1	4.84	30	3	1	1.3	-1.3	-65.7	1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-3.6	1.3	-64.9	0	5	6.0	4.0	1	0.5	2.2	0.0	10.4	18.2	4.3	0.0	9	12	0.0	20	137	8
2	1.40	3	1	1	4.2	-1.8	-89.7	1	7	6.0	4.0	1	0.3	3.8	0.0	10.4	18.2	4.3	0.0	15	21	0.0	20	137	8
2	4.84	30	3	1	-2.0	1.8	-88.9	2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-6.1	1.8	-88.3	0	8	6.0	4.0	1	0.3	3.8	0.0	10.4	18.2	4.3	0.0	15	21	0.0	20	137	8
3	1.40	3	1	1	4.3	1.7	-87.1	1	7	6.0	4.0	1	-0.4	3.8	0.0	10.4	18.2	4.3	0.0	15	21	0.0	20	137	8
3	4.84	30	3	1	-2.0	-1.7	-86.3	2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-6.1	-1.7	-85.8	0	8	6.0	4.0	1	-0.4	3.8	0.0	10.4	18.2	4.3	0.0	15	21	0.0	20	137	8
4	1.40	3	1	1	2.2	-2.2	-108.6	2	7	6.0	4.0	1	0.0	1.6	0.0	10.4	18.2	4.3	0.0	8	9	0.0	20	137	8
4	4.84	30	3	1	2.2	-2.2	-108.0	2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-2.4	-2.1	-107.2	2	7	6.0	4.0	1	0.0	1.6	0.0	10.4	18.2	4.3	0.0	8	9	0.0	20	137	8
5	1.40	3	1	1	2.2	-2.2	-110.8	2	8	6.0	4.0	2	0.0	-0.4	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	137	8
5	4.84	30	3	1	2.2	-2.2	-110.2	2	8	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	2.2	-2.2	-109.4	2	8	6.0	4.0	2	0.0	-0.4	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	137	8
6	1.40	3	1	1	2.3	-2.3	-112.9	2	8	6.0	4.0	1	0.1	0.3	0.0	18.3	19.3	2.4	0.0	2	2	0.0	20	137	8
6	4.84	30	3	1	2.2	-2.2	-112.3	2	8	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-2.2	2.2	-111.5	2	8	6.0	4.0	1	0.1	0.3	0.0	18.3	19.3	2.4	0.0	2	2	0.0	20	137	8
7	1.40	22	1	1	2.8	0.0	-100.4	3	8	12.1		1	0.0	0.8	0.0	17.4	17.4	5.7	0.0	5	5	0.0	8	137	8
7	4.84	20	3	1	-2.8	0.0	-100.0	3	8	12.1		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	8	0	8
1.56	0.00		5	1	-2.8	0.0	-99.3	3	8	12.1		1	0.0	0.8	0.0	17.4	17.4	5.7	0.0	5	5	0.0	8	137	8
8	1.40	3	1	1	2.0	2.0	-98.1	2	7	6.0	4.0	1	-0.2	1.8	0.0	10.4	18.2	4.3	0.0	8	10	0.0	20	137	8
8	4.84	30	3	1	2.0	-2.0	-97.5	2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-2.9	-1.9	-96.7	2	7	6.0	4.0	1	-0.2	1.8	0.0	10.4	18.2	4.3	0.0	8	10	0.0	20	137	8
9	1.40	3	1	1	3.0	1.3	-67.0	1	5	6.0	4.0	1	-0.4	2.5	0.0	10.4	18.2	4.3	0.0	10	14	0.0	20	137	8
9	4.84	30	3	1	1.3	-1.3	-66.4	1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-3.9	-1.3	-65.6	0	5	6.0	4.0	1	-0.4	2.5	0.0	10.4	18.2	4.3	0.0	10	14	0.0	20	137	8
10	1.40	3	1	1	-2.0	-2.0	-97.7	2	7	6.0	4.0	1	0.5	-0.1	0.0	10.4	18.2	4.3	0.0	2	4	0.0	20	137	8
10	4.84	30	3	1	-1.9	-1.9	-97.2	2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	1.9	1.9	-96.4	2	6	6.0	4.0	1	0.5	-0.1	0.0	10.4	18.2	4.3	0.0	2	4	0.0	20	137	8
11	1.40	3	1	1	-2.7	-2.7	-135.1	3	10	6.0	4.0	1	0.0	-0.1	0.0	20.0	21.1	2.7	0.0	0	0	0.0	20	137	8
11	4.84	30	3	1	2.7	-2.7	-134.6	3	10	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.33	0.00	50	5	1	2.7	-2.7	-133.8	3	10	6.0	4.0	1	0.0	-0.1	0.0	20.0	21.1	2.7	0.0	0	0	0.0	20	137	8
12	1.40	3	1	1	2.7	-2.7	-135.4	3	10	6.0	4.0	1	0.0	0.1	0.0	20.0	21.1	2.7	0.0	1	0	0.0	20	137	8
12	4.84	30	3	1	2.7	-2.7	-134.8	3	10	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.32	0.00	50	5	1	-2.7	-2.7	-134.0	3	10	6.0	4.0	1	0.0	0.1	0.0	20.0	21.1	2.7	0.0	1	0	0.0	20	137	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final N/Nc	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
13	1.40		3	1	1	2.7	-2.7	-133.3		3	10	6.0	4.0	1	0.0	0.4	0.0	20.3	21.4	2.7	0.0	2	1	0.0	20	137	8
13	4.84		30	3	1	2.7	-2.7	-132.8		3	10	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.39	0.00		50	5	1	-2.6	-2.6	-132.0		3	9	6.0	4.0	1	0.0	0.4	0.0	20.3	21.4	2.7	0.0	2	1	0.0	20	137	8
14	1.40		3	1	1	2.6	-2.6	-130.6		3	9	6.0	4.0	1	0.0	0.6	0.0	20.6	21.7	2.7	0.0	3	2	0.0	20	137	8
14	4.84		30	3	1	2.6	-2.6	-130.1		3	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.48	0.00		50	5	1	-2.6	-2.6	-129.3		2	9	6.0	4.0	1	0.0	0.6	0.0	20.6	21.7	2.7	0.0	3	2	0.0	20	137	8
15	1.40		3	1	1	2.6	-2.6	-131.5		3	9	6.0	4.0	1	0.0	0.6	0.0	20.5	21.6	2.7	0.0	3	2	0.0	20	137	8
15	4.84		30	3	1	2.6	-2.6	-130.9		3	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.45	0.00		50	5	1	-2.6	-2.6	-130.1		3	9	6.0	4.0	1	0.0	0.6	0.0	20.5	21.6	2.7	0.0	3	2	0.0	20	137	8
16	1.40		22	1	1	3.8	0.0	-134.1		4	11	12.1		2	0.0	0.1	0.0	3.7	3.7	0.6	0.0	4	1	0.0	8	137	8
16	4.84		20	3	1	-3.8	0.0	-133.7		4	11	12.1		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	8	0	8
1	0.00		5	1	1	-3.8	0.0	-133.0		4	11	12.1		2	0.0	0.1	0.0	3.7	3.7	0.6	0.0	4	1	0.0	8	137	8
17	1.40		3	1	1	2.7	-2.7	-134.1		3	10	6.0	4.0	1	0.0	0.6	0.0	11.0	11.6	1.5	0.0	5	3	0.0	20	137	8
17	4.84		30	3	1	2.7	-2.7	-133.6		3	10	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-2.7	-2.7	-132.8		3	10	6.0	4.0	1	0.0	0.6	0.0	11.0	11.6	1.5	0.0	5	3	0.0	20	137	8
18	1.40		3	1	1	2.0	2.0	-97.8		2	7	6.0	4.0	1	-0.3	0.4	0.0	10.4	18.2	4.3	0.0	3	3	0.0	20	137	8
18	4.84		30	3	1	1.9	-1.9	-97.3		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-1.9	-1.9	-96.5		2	6	6.0	4.0	1	-0.3	0.4	0.0	10.4	18.2	4.3	0.0	3	3	0.0	20	137	8
19	1.40		3	1	1	-2.0	-2.0	-98.0		2	7	6.0	4.0	1	0.4	-0.1	0.0	10.4	18.2	4.3	0.0	2	4	0.0	20	137	8
19	4.84		30	3	1	-1.9	1.9	-97.4		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	1.9	1.9	-96.6		2	7	6.0	4.0	1	0.4	-0.1	0.0	10.4	18.2	4.3	0.0	2	4	0.0	20	137	8
20	1.40		3	1	1	-2.7	-2.7	-133.2		3	10	6.0	4.0	2	0.0	0.0	0.0	20.3	21.4	2.7	0.0	0	0	0.0	20	137	8
20	4.84		30	3	1	-2.7	-2.7	-132.7		3	10	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.39	0.00		50	5	1	-2.6	-2.6	-131.9		3	9	6.0	4.0	2	0.0	0.0	0.0	20.3	21.4	2.7	0.0	0	0	0.0	20	137	8
21	1.40		3	1	1	-2.6	2.6	-129.8		3	9	6.0	4.0	1	-0.1	-1.3	0.0	20.8	21.9	2.8	0.0	6	3	0.0	20	137	8
21	4.84		30	3	1	-2.6	-2.6	-129.3		2	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.5	0.00		50	5	1	2.6	-2.6	-128.5		2	9	6.0	4.0	1	-0.1	-1.3	0.0	20.8	21.9	2.8	0.0	6	3	0.0	20	137	8
22	1.40		3	1	1	-2.6	-2.6	-128.0		2	9	6.0	4.0	1	0.1	-1.2	0.0	13.1	13.8	1.7	0.0	9	7	0.0	20	137	8
22	4.84		30	3	1	-2.5	-2.5	-127.5		2	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.5	2.5	-126.7		2	9	6.0	4.0	1	0.1	-1.2	0.0	13.1	13.8	1.7	0.0	9	7	0.0	20	137	8
23	1.40		3	1	1	2.6	-2.6	-131.6		3	9	6.0	4.0	1	0.0	0.1	0.0	20.6	21.7	2.7	0.0	1	0	0.0	20	137	8
23	4.84		30	3	1	2.6	-2.6	-131.1		3	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.44	0.00		50	5	1	-2.6	-2.6	-130.3		3	9	6.0	4.0	1	0.0	0.1	0.0	20.6	21.7	2.7	0.0	1	0	0.0	20	137	8
24	1.40		3	1	1	-2.6	-2.6	-130.9		3	9	6.0	4.0	1	1.7	-0.9	0.0	12.1	12.8	1.6	0.0	22	17	0.0	20	137	8
24	4.84		30	3	1	2.6	2.6	-130.4		3	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.6	2.8	-129.6		2	10	6.0	4.0	1	1.7	-0.9	0.0	12.1	12.8	1.6	0.0	22	17	0.0	20	137	8
25	1.40		3	1	1	-2.7	2.7	-133.1		3	10	6.0	4.0	1	-1.8	-0.7	0.0	11.4	12.0	1.5	0.0	22	17	0.0	20	137	8
25	4.84		30	3	1	2.7	2.7	-132.5		3	10	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.6	-2.9	-131.7		2	10	6.0	4.0	1	-1.8	-0.7	0.0	11.4	12.0	1.5	0.0	22	17	0.0	20	137	8
26	1.40		3	1	1	-2.7	-2.7	-132.7		3	10	6.0	4.0	1	0.2	-0.6	0.0	20.4	21.5	2.7	0.0	4	2	0.0	20	137	8
26	4.84		30	3	1	-2.6	-2.6	-132.1		3	10	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.41	0.00		50	5	1	2.6	2.6	-131.3		3	9	6.0	4.0	1	0.2	-0.6	0.0	20.4	21.5	2.7	0.0	4	2	0.0	20	137	8
27	1.40		3	1	1	2.0	2.0	-98.1		2	7	6.0	4.0	1	-0.4	0.4	0.0	10.4	18.2	4.3	0.0	3	4	0.0	20	137	8
27	4.84		30	3	1	2.0	-2.0	-97.5		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-1.9	-1.9	-96.7		2	7	6.0	4.0	1	-0.4	0.4	0.0	10.4	18.2	4.3	0.0	3	4	0.0	20	137	8
28	1.40		3	1	1	-2.7	-1.3	-65.1		1	5	6.0	4.0	1	0.3	-2.4	0.0	10.4	18.2	4.3	0.0	9	13	0.0	20	137	8
28	4.84		30	3	1	-1.3	-1.3	-64.6		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	3.8	1.3	-63.8		0	5	6.0	4.0	1	0.3	-2.4	0.0	10.4	18.2	4.3	0.0	9	13	0.0	20	137	8
29	1.40		3	1	1	-3.6	-2.1	-104.9		1	8	6.0	4.0	1	0.0	-3.1	0.0	10.4	18.2	4.3	0.0	14	17	0.0	20	137	8
29	4.84		30	3	1	-2.1	-2.1	-104.4		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	5.0	2.1	-103.6		1	8	6.0	4.0	1	0.0	-3.1	0.0	10.4	18.2	4.3	0.0	14	17	0.0	20	137	8
30	1.40		3	1	1	-2.4	1.2	-60.4		1	4	6.0	4.0	1	-0.3	-2.1	0.0	10.4	18.2	4.3	0.0	8	11	0.0	20	137	8
30	4.84		30	3	1	-1.2	1.2	-59.8		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	3.4	-1.2	-59.0		0	5	6.0	4.0	1	-0.3	-2.1	0.0	10.4	18.2	4.3	0.0	8	11	0.0	20	137	8
31	1.40		3	1	1	-2.3	-1.2	-59.9		1	4	6.0	4.0	1	0.4	-2.0	0.0	10.4	18.2	4.3	0.0	8	11	0.0	20	137	8
31	4.84		30	3	1	-1.2	-1.2	-59.4		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	3.3	1.2	-58.6		0	5	6.0	4.0	1	0.4	-2.0	0.0	10.4	18.2	4.3	0.0	8	11	0.0	20	137	8
32	1.40		3	1	1	-3.3	2.1	-103.0		1	8	6.0	4.0	1	0.0	-2.9	0.0	10.4	18.2	4.3	0.0	13	16	0.0	20	137	8
32	4.84		30	3	1	-2.0	-2.0	-102.5		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	4.7	-2.0	-101.7		1	8	6.0	4.0	1	0.0	-2.9	0.0	10.4	18.2	4.3	0.0	13	16	0.0	20	137	8
33	1.40		3	1	1	-0.5	0.5	-23.9		0	1	6.0	4.0	1	-0.2	-0.5	0.0	10.4	18.2	4.3	0.0	2	3	0.0	20	86	8
33	3.12		30	3	1	-0.5	0.5	-23.6		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.5	-0.5	-23.1		0	1	6.0	4.0	1	-0.2	-0.5	0.0	10.4	18.2	4.3	0.0	2	3	0.0	20	86	8
34	1.40		3	1	1	-0.5	-0.5	-22.8		0	1	6.0	4.0	1	0.2	-0.4	0.0	25.5	26.9	2.7	0.0	2	2	0.0	20	86	8
34	3.12		30	3	1	-0.4	-0.4	-22.4		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.4	0.4	-21.9		0	1	6.0	4.0	1	0.2	-0.4	0.0	25.5	26.9	2.7	0.0	2	2	0.0	20	86	8
35	1.40		3	1	1	-2.3	-2.1	-104.0		2	7	6.0	4.0	1	0.2	-2.5	0.0	10.4	18.2	4.3	0.0	12	14	0.0	20	137	8
35	4.84		30	3	1	2.1	-2.1	-103.5		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	4.7	2.1	-102.7		1	8	6.0	4.0	1	0.2	-2.5	0.0	10.4	18.2	4.3	0.0	12	14	0.0	20	137	8
36	1.40		3	1	1	-2.2	1.3	-64.4		1	5	6.0	4.0	1	-0.3	-2.1	0.0	10.4	18.2	4.3	0.0	8	11	0.0	20	137	8
36	4.84		30	3	1	1.3	1.3	-63.9		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	3.5	-1.3	-63.1		0	5	6.0	4.0	1	-0.3	-2.1	0.0	10.4	18.2	4.3	0.0	8	11	0.0	20	137	8
37	1.40		1	1	1	-0.6	-0.6	-32.5		1	4	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
37	4.84		30	3	1	0.6	-0.6	-32.1		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.6	-0.6	-31.7		1	4	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
38	1.40		22	1	1	-1.0	0.0	-34.0		1	2	12.1		1	0.0	-0.3	0.0	23.1	23.1	7.6	0.0	1	1	0.0	8	137	8
38	4.84		20	3	1	0.9	0.0	-33.6		1	2	12.1		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	8	0	8
2.07	0.00		5	1	1	0.9	0.0	-32.9		1	2	12.1		1	0.0	-0.3	0.0	23.1	23.1	7.6	0.0	1	1	0.0	8	137	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final N/Nc	Tra t	Sez Bas Alt	Con c	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
39	1.40	1	1	1	0.4	-0.4	-19.8	1	2	4.0	4.0	1	0.1	0.0	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
39	4.84	30	3	1	0.4	-0.4	-19.5	1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	0.4	0.4	-19.0	1	2	4.0	4.0	1	0.1	0.0	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
40	1.40	1	1	1	-0.4	-0.4	-18.5	0	2	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
40	4.84	30	3	1	0.4	-0.4	-18.2	0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	0.4	-0.4	-17.7	0	2	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
41	1.40	1	1	1	0.7	-0.6	-11.3	1	2	4.0	4.0	1	0.6	0.7	0.0	15.0	15.0	1.4	0.0	9	7	0.0	20	137	8
41	4.84	30	3	1	-0.6	0.4	-10.9	0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-1.4	1.0	-10.5	4	5	4.0	4.0	1	0.6	0.7	0.0	15.0	15.0	1.4	0.0	9	7	0.0	20	137	8
42	1.40	1	1	1	-0.3	-0.3	-13.1	0	1	4.0	4.0	1	0.0	0.0	0.0	15.2	15.2	1.4	0.0	0	0	0.0	20	137	8
42	4.84	30	3	1	-0.3	-0.3	-12.8	0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-0.2	0.2	-12.3	0	1	4.0	4.0	1	0.0	0.0	0.0	15.2	15.2	1.4	0.0	0	0	0.0	20	137	8
43	1.40	1	1	1	2.1	0.3	-17.3	3	5	4.0	4.0	1	-0.2	1.8	0.0	10.4	10.4	2.3	0.0	13	17	0.0	20	137	8
43	4.84	30	3	1	-0.9	-0.3	-16.8	0	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-2.9	-0.5	-16.5	7	7	4.0	4.0	1	-0.2	1.8	0.0	10.4	10.4	2.3	0.0	13	17	0.0	20	137	8
44	1.40	1	1	1	2.3	-0.3	-14.8	5	5	4.0	4.0	1	0.1	1.9	0.0	10.4	10.4	2.3	0.0	13	19	0.0	20	137	8
44	4.84	30	3	1	-0.9	0.3	-14.3	0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-3.0	0.3	-14.0	8	7	4.0	4.0	1	0.1	1.9	0.0	10.4	10.4	2.3	0.0	13	19	0.0	20	137	8
45	1.40	1	1	1	1.5	0.3	-9.0	4	4	4.0	4.0	1	-0.3	1.3	0.0	10.4	10.4	2.3	0.0	11	12	0.0	20	137	8
45	4.84	30	3	1	-0.6	-0.2	-8.5	0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-1.9	-0.6	-8.2	7	6	4.0	4.0	1	-0.3	1.3	0.0	10.4	10.4	2.3	0.0	11	12	0.0	20	137	8
128	1.40	28	1	1	-0.8	1.9	-38.7	0	1	3.0	1.0	1	-1.2	-0.1	0.0	42.5	3.3	6.3	0.0	2	3	0.0	40	86	8
128	3.12	220	3	1	-0.8	1.0	-37.7	0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	-0.7	-0.7	-36.2	0	1	3.0	1.0	1	-1.2	-0.1	0.0	42.5	3.3	6.3	0.0	2	3	0.0	40	86	8
129	2.26	29	1	1	-0.2	0.2	-11.8	0	1	3.1	4.2	1	-0.1	-0.2	0.0	15.5	17.5	1.5	0.0	1	1	0.0	20	55	8
129	3.98	20	3	1	-0.2	0.2	-11.6	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-0.2	-0.2	-11.4	0	1	3.1	4.2	1	-0.1	-0.2	0.0	15.5	17.5	1.5	0.0	1	1	0.0	20	55	8
131	1.40	28	1	1	1.1	1.3	-55.2	0	1	3.0	1.0	1	-1.1	-0.1	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
131	3.12	220	3	1	1.1	1.1	-54.2	0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	1.1	-1.1	-52.7	0	1	3.0	1.0	1	-1.1	-0.1	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
132	2.26	29	1	1	-0.4	0.4	-20.2	0	2	3.1	4.2	1	0.0	-0.4	0.0	16.6	18.7	1.5	0.0	2	2	0.0	20	55	8
132	3.98	20	3	1	0.4	0.4	-20.0	0	2	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.4	-0.4	-19.8	0	2	3.1	4.2	1	0.0	-0.4	0.0	16.6	18.7	1.5	0.0	2	2	0.0	20	55	8
160	1.40	30	1	1	1.3	0.7	-35.8	0	1	3.1	15.4	1	-0.1	0.7	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
160	3.12	20	3	1	0.8	-0.7	-35.0	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	0.7	-0.7	-33.8	0	1	3.1	15.4	1	-0.1	0.7	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
161	1.40	30	1	1	-0.7	-0.7	-32.6	0	1	3.1	15.4	1	0.0	1.5	0.0	73.5	89.8	8.9	0.0	2	2	0.0	20	86	8
161	3.12	20	3	1	-1.8	-0.6	-31.4	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	-2.8	0.6	-30.6	0	1	3.1	15.4	1	0.0	1.5	0.0	73.5	89.8	8.9	0.0	2	2	0.0	20	86	8
162	1.40	30	1	1	-0.6	-0.6	-28.8	0	1	3.1	15.4	1	0.0	1.4	0.0	73.0	89.3	8.9	0.0	2	2	0.0	20	86	8
162	3.12	20	3	1	-1.8	-0.6	-27.6	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	-2.8	0.5	-26.8	0	1	3.1	15.4	1	0.0	1.4	0.0	73.0	89.3	8.9	0.0	2	2	0.0	20	86	8
165	1.40	31	1	1	-2.9	1.2	-60.9	1	2	7.6	12.7	1	-0.7	-2.5	0.0	81.9	86.9	10.9	0.0	4	3	0.0	15	86	8
165	3.12	40	3	1	-1.2	1.2	-60.1	1	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	85	5	1	1.4	-1.2	-59.0	1	1	7.6	12.7	1	-0.7	-2.5	0.0	81.9	86.9	10.9	0.0	4	3	0.0	15	86	8
166	1.40	31	1	1	-2.0	-1.3	-63.1	1	2	7.6	12.7	1	1.0	-2.0	0.0	82.2	87.3	10.9	0.0	4	3	0.0	15	86	8
166	3.12	40	3	1	-1.2	-1.2	-62.3	1	2	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	85	5	1	1.5	1.2	-61.2	1	2	7.6	12.7	1	1.0	-2.0	0.0	82.2	87.3	10.9	0.0	4	3	0.0	15	86	8
167	1.40	22	1	1	0.4	0.0	-12.8	0	1	18.5		1	0.0	-0.3	0.0	25.8	25.8	8.2	0.0	1	1	0.0	10	142	8
167	4.84	20	3	1	0.3	0.0	-12.4	0	1	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.21	0.00		5	1	0.5	0.0	-11.7	0	1	18.5		1	0.0	-0.3	0.0	25.8	25.8	8.2	0.0	1	1	0.0	10	142	8
168	1.40	22	1	1	0.4	0.0	-12.4	0	1	18.5		2	0.0	-0.2	0.0	25.8	25.8	8.2	0.0	1	1	0.0	10	142	8
168	4.84	20	3	1	0.3	0.0	-11.9	0	1	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.21	0.00		5	1	0.5	0.0	-11.2	0	1	18.5		2	0.0	-0.2	0.0	25.8	25.8	8.2	0.0	1	1	0.0	10	142	8
33	3.12	3	1	1	0.5	-0.5	-24.4	0	1	6.0	4.0	1	-0.2	-0.6	0.0	10.4	18.2	4.3	0.0	3	3	0.0	20	51	8
33	4.84	30	3	1	0.5	-0.5	-24.2	0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.7	-0.5	-23.9	0	2	6.0	4.0	1	-0.2	-0.6	0.0	10.4	18.2	4.3	0.0	3	3	0.0	20	51	8
34	3.12	3	1	1	0.5	-0.5	-24.3	0	1	6.0	4.0	1	0.2	-0.4	0.0	25.8	27.2	2.7	0.0	3	2	0.0	20	51	8
34	4.84	30	3	1	0.5	0.5	-24.1	0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.6	0.5	-23.8	0	2	6.0	4.0	1	0.2	-0.4	0.0	25.8	27.2	2.7	0.0	3	2	0.0	20	51	8
128	3.12	28	1	1	0.7	0.7	-34.2	0	1	3.0	1.0	1	-0.9	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
128	4.84	220	3	1	0.7	0.7	-33.2	0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	0.6	-0.9	-31.8	0	1	3.0	1.0	1	-0.9	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
129	3.98	29	1	1	0.2	0.2	-8.2	0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	86	8
129	5.70	20	3	1	0.2	0.2	-8.0	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.2	-0.2	-7.7	0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	86	8
130	2.26	29	1	1	0.2	0.2	-8.6	0	1	3.1	4.2	1	0.0	0.1	0.0	15.1	17.0	1.5	0.0	1	1	0.0	20	82	8
130	3.98	20	3	1	0.2	0.2	-8.4	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-0.2	-0.2	-8.0	0	1	3.1	4.2	1	0.0	0.1	0.0	15.1	17.0	1.5	0.0	1	1	0.0	20	82	8
131	3.12	28	1	1	-1.1	1.6	-53.1	0	1	3.0	1.0	1	-1.1	-0.3	0.0	42.5	3.3	6.3	0.0	2	8	0.0	40	86	8
131	4.84	220	3	1	-1.0	1.0	-52.1	0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	1.0	-1.0	-50.6	0	1	3.0	1.0	1	-1.1	-0.3	0.0	42.5	3.3	6.3	0.0	2	8	0.0	40	86	8
132	3.98	29	1	1	-0.4	0.2	-10.9	0	1	3.1	4.2	1	0.0	-0.4	0.0	15.4	17.4	1.5	0.0	2	2	0.0	20	86	8
132	5.70	20	3	1	-0.2	0.2	-10.7	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.2	-0.2	-10.4	0	1	3.1	4.2	1	0.0	-0.4	0.0	15.4	17.4	1.5	0.0	2	2	0.0	20	86	8
133	2.26	29	1	1	-0.3	0.2	-12.3	0	1	3.1	4.2	1	0.0	-0.3	0.0	15.6	17.6	1.5	0.0	2	1	0.0	20	82	8
133	3.98	20	3	1	-0.2	0.2	-12.1	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.2	-0.2	-11.7	0	1	3.1	4.2	1	0.0	-0.3	0.0	15.6	17.6	1.5	0.0	2	1	0.0	20	82	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final N/Nc	Tra t	Sez Bas Alt	Con c	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
160	3.12	30	1	1	0.5	0.5	-23.4	0	1	3.1	15.4	1	-0.1	0.3	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	86	8
160	4.84	20	3	1	0.5	0.5	-22.6	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	-0.4	-0.4	-21.3	0	1	3.1	15.4	1	-0.1	0.3	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	86	8
161	3.12	30	1	1	2.7	-0.6	-30.0	0	1	3.1	15.4	1	0.0	0.9	0.0	73.2	89.5	8.9	0.0	1	1	0.0	20	86	8
161	4.84	20	3	1	2.1	-0.6	-29.2	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	1.2	0.6	-28.0	0	1	3.1	15.4	1	0.0	0.9	0.0	73.2	89.5	8.9	0.0	1	1	0.0	20	86	8
162	3.12	30	1	1	3.6	-0.6	-29.6	0	1	3.1	15.4	1	0.0	1.9	0.0	73.1	89.4	8.9	0.0	2	2	0.0	20	86	8
162	4.84	20	3	1	2.3	-0.6	-28.8	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	0.6	0.6	-27.6	0	1	3.1	15.4	1	0.0	1.9	0.0	73.1	89.4	8.9	0.0	2	2	0.0	20	86	8
165	3.12	31	1	1	1.8	-1.2	-57.7	1	1	7.6	12.7	1	-0.7	-2.4	0.0	81.5	86.6	10.9	0.0	4	3	0.0	15	51	8
165	4.84	40	3	1	3.2	-1.1	-57.1	0	2	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	85	5	1	4.2	-1.1	-56.6	0	2	7.6	12.7	1	-0.7	-2.4	0.0	81.5	86.6	10.9	0.0	4	3	0.0	15	51	8
166	3.12	31	1	1	2.1	-1.2	-58.8	1	2	7.6	12.7	1	1.0	-2.0	0.0	81.7	86.7	10.9	0.0	3	3	0.0	15	51	8
166	4.84	40	3	1	3.3	1.2	-58.1	0	2	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	85	5	1	4.1	1.2	-57.7	0	2	7.6	12.7	1	1.0	-2.0	0.0	81.7	86.7	10.9	0.0	3	3	0.0	15	51	8
1	4.84	2	1	1	2.9	-0.9	-43.9	0	5	4.0	4.0	1	0.3	2.3	0.0	10.4	14.3	3.3	0.0	11	16	0.0	20	137	8
1	8.28	30	3	1	0.9	-0.9	-43.5	1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-3.3	0.9	-42.9	1	5	4.0	4.0	1	0.3	2.3	0.0	10.4	14.3	3.3	0.0	11	16	0.0	20	137	8
2	4.84	2	1	1	4.9	-1.2	-58.2	1	8	4.0	4.0	1	0.5	3.8	0.0	10.4	14.3	3.3	0.0	18	26	0.0	20	137	8
2	8.28	30	3	1	-1.3	1.2	-57.5	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-5.5	1.1	-57.1	2	9	4.0	4.0	1	0.5	3.8	0.0	10.4	14.3	3.3	0.0	18	26	0.0	20	137	8
3	4.84	2	1	1	5.0	1.1	-56.4	1	8	4.0	4.0	1	-0.6	3.9	0.0	10.4	14.3	3.3	0.0	19	27	0.0	20	137	8
3	8.28	30	3	1	-1.4	-1.1	-55.7	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-5.6	-1.1	-55.3	2	9	4.0	4.0	1	-0.6	3.9	0.0	10.4	14.3	3.3	0.0	19	27	0.0	20	137	8
4	4.84	2	1	1	2.7	1.3	-67.2	1	7	4.0	4.0	1	0.0	2.2	0.0	10.4	14.3	3.3	0.0	10	16	0.0	20	137	8
4	8.28	30	3	1	1.3	1.3	-66.8	2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-3.5	-1.3	-66.1	0	7	4.0	4.0	1	0.0	2.2	0.0	10.4	14.3	3.3	0.0	10	16	0.0	20	137	8
5	4.84	2	1	1	1.9	1.3	-65.5	1	6	4.0	4.0	1	0.0	2.0	0.0	10.4	14.3	3.3	0.0	8	14	0.0	20	137	8
5	8.28	30	3	1	-1.3	-1.3	-64.8	1	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-3.5	-1.3	-64.4	0	7	4.0	4.0	1	0.0	2.0	0.0	10.4	14.3	3.3	0.0	8	14	0.0	20	137	8
6	4.84	2	1	1	2.2	-1.3	-67.1	1	6	4.0	4.0	1	0.1	2.0	0.0	24.2	25.0	2.2	0.0	8	6	0.0	20	137	8
6	8.28	30	3	1	-1.3	-1.3	-66.7	2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.33	0.00	40	5	1	-3.2	1.3	-66.0	0	7	4.0	4.0	1	0.1	2.0	0.0	24.2	25.0	2.2	0.0	8	6	0.0	20	137	8
7	4.84	2	1	1	4.2	-1.1	-56.8	1	7	4.0	4.0	1	0.6	3.5	0.0	10.4	14.3	3.3	0.0	17	24	0.0	20	137	8
7	8.28	30	3	1	-1.6	1.1	-56.2	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-5.4	1.1	-55.8	2	9	4.0	4.0	1	0.6	3.5	0.0	10.4	14.3	3.3	0.0	17	24	0.0	20	137	8
8	4.84	2	1	1	4.2	1.2	-58.1	1	7	4.0	4.0	1	-0.5	3.5	0.0	10.4	14.3	3.3	0.0	17	24	0.0	20	137	8
8	8.28	30	3	1	-1.6	-1.1	-57.5	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-5.4	-1.1	-57.1	2	9	4.0	4.0	1	-0.5	3.5	0.0	10.4	14.3	3.3	0.0	17	24	0.0	20	137	8
9	4.84	2	1	1	3.4	0.9	-44.5	1	6	4.0	4.0	1	-0.3	2.6	0.0	10.4	14.3	3.3	0.0	13	18	0.0	20	137	8
9	8.28	30	3	1	-0.9	-0.9	-43.8	1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-3.8	-0.9	-43.4	1	6	4.0	4.0	1	-0.3	2.6	0.0	10.4	14.3	3.3	0.0	13	18	0.0	20	137	8
10	4.84	2	1	1	-1.3	-1.3	-63.6	1	5	4.0	4.0	1	0.1	-0.2	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	137	8
10	8.28	30	3	1	-1.3	-1.3	-63.2	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.3	-1.3	-62.6	1	5	4.0	4.0	1	0.1	-0.2	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	137	8
11	4.84	2	1	1	-1.7	1.7	-84.9	2	8	4.0	4.0	1	0.0	-0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	137	8
11	8.28	30	3	1	-1.7	-1.7	-84.4	2	8	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.7	-1.7	-83.8	2	8	4.0	4.0	1	0.0	-0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	137	8
12	4.84	2	1	1	1.7	1.7	-85.2	2	8	4.0	4.0	2	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
12	8.28	30	3	1	1.7	-1.7	-84.8	2	8	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.7	-1.7	-84.1	2	8	4.0	4.0	2	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
13	4.84	2	1	1	1.7	1.7	-84.0	2	8	4.0	4.0	1	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
13	8.28	30	3	1	1.7	-1.7	-83.5	2	8	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.7	-1.7	-82.9	2	7	4.0	4.0	1	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
14	4.84	2	1	1	1.7	1.7	-82.8	2	7	4.0	4.0	2	0.0	0.1	0.0	10.4	14.3	3.3	0.0	0	1	0.0	20	137	8
14	8.28	30	3	1	1.6	-1.6	-82.4	2	7	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.6	-1.6	-81.8	2	7	4.0	4.0	2	0.0	0.1	0.0	10.4	14.3	3.3	0.0	0	1	0.0	20	137	8
15	4.84	2	1	1	1.7	-1.7	-83.2	2	7	4.0	4.0	1	0.0	0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	137	8
15	8.28	30	3	1	1.7	-1.7	-82.8	2	7	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.6	-1.6	-82.2	2	7	4.0	4.0	1	0.0	0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	137	8
16	4.84	2	1	1	1.7	1.7	-85.3	2	8	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	137	8
16	8.28	30	3	1	1.7	-1.7	-84.9	2	8	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.7	-1.7	-84.2	2	8	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	137	8
17	4.84	2	1	1	1.7	1.7	-84.9	2	8	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
17	8.28	30	3	1	1.7	-1.7	-84.5	2	8	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.7	-1.7	-83.9	2	8	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
18	4.84	2	1	1	1.3	1.3	-63.4	1	5	4.0	4.0	1	-0.1	0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	137	8
18	8.28	30	3	1	1.3	1.3	-63.0	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.2	-1.2	-62.4	1	5	4.0	4.0	1	-0.1	0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	137	8
19	4.84	2	1	1	-1.3	-1.3	-63.6	1	5	4.0	4.0	1	0.1	-0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
19	8.28	30	3	1	-1.3	-1.3	-63.2	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.3	-1.3	-62.6	1	5	4.0	4.0	1	0.1	-0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
20	4.84	2	1	1	-1.7	1.7	-83.1	2	7	4.0	4.0	2	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
20	8.28	30	3	1	-1.7	1.7	-82.7	2	7	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.6	-1.6	-82.0	2	7	4.0	4.0	2	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
21	4.84	2	1	1	-1.7	-1.7	-84.7	2	8	4.0	4.0	1	0.2	-1.3	0.0	10.4	14.3	3.3	0.0	9	9	0.0	20	137	8
21	8.28	30	3	1	-1.7	1.7	-84.3	2	8	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.9	1.7	-83.6	2	8	4.0	4.0	1	0.2	-1.3	0.0	10.4	14.3	3.3	0.0	9	9	0.0	20	137	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final N/Nc	Tratt	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
22	4.84	2	1	1	-1.7	1.7	-82.7	2	7	4.0	4.0	1	-0.2	-1.2	0.0	10.4	14.3	3.3	0.0	8	8	0.0	20	137	8
22	8.28	30	3	1	-1.6	-1.6	-82.3	2	7	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.7	-1.6	-81.7	2	7	4.0	4.0	1	-0.2	-1.2	0.0	10.4	14.3	3.3	0.0	8	8	0.0	20	137	8
23	4.84	2	1	1	1.6	1.6	-81.9	2	7	4.0	4.0	1	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
23	8.28	30	3	1	1.6	1.6	-81.5	2	7	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.6	-1.6	-80.9	2	7	4.0	4.0	1	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
24	4.84	2	1	1	-1.7	-3.1	-84.7	1	9	4.0	4.0	1	2.3	-1.1	0.0	10.4	14.3	3.3	0.0	21	22	0.0	20	137	8
24	8.28	30	3	1	-1.7	-1.7	-84.2	2	8	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.7	3.2	-83.6	1	9	4.0	4.0	1	2.3	-1.1	0.0	10.4	14.3	3.3	0.0	21	22	0.0	20	137	8
25	4.84	2	1	1	-1.7	3.1	-85.8	1	9	4.0	4.0	1	-2.3	-1.1	0.0	10.4	14.3	3.3	0.0	21	22	0.0	20	137	8
25	8.28	30	3	1	-1.7	1.7	-85.4	2	8	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.7	-3.2	-84.8	1	9	4.0	4.0	1	-2.3	-1.1	0.0	10.4	14.3	3.3	0.0	21	22	0.0	20	137	8
26	4.84	2	1	1	1.7	1.7	-82.6	2	7	4.0	4.0	1	0.0	0.5	0.0	10.4	14.3	3.3	0.0	3	4	0.0	20	137	8
26	8.28	30	3	1	1.6	1.6	-82.2	2	7	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.6	-1.6	-81.5	2	7	4.0	4.0	1	0.0	0.5	0.0	10.4	14.3	3.3	0.0	3	4	0.0	20	137	8
27	4.84	2	1	1	1.3	1.3	-63.9	1	5	4.0	4.0	1	-0.1	0.5	0.0	10.4	14.3	3.3	0.0	2	3	0.0	20	137	8
27	8.28	30	3	1	1.3	1.3	-63.4	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.3	1.3	-62.8	1	5	4.0	4.0	1	-0.1	0.5	0.0	10.4	14.3	3.3	0.0	2	3	0.0	20	137	8
28	4.84	2	1	1	-3.4	-0.9	-43.2	1	6	4.0	4.0	1	0.2	-2.6	0.0	10.4	14.3	3.3	0.0	12	18	0.0	20	137	8
28	8.28	30	3	1	0.9	0.9	-42.5	1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	3.8	0.8	-42.1	1	6	4.0	4.0	1	0.2	-2.6	0.0	10.4	14.3	3.3	0.0	12	18	0.0	20	137	8
29	4.84	2	1	1	-3.6	1.4	-69.4	0	8	4.0	4.0	1	0.0	-2.7	0.0	10.4	14.3	3.3	0.0	12	19	0.0	20	137	8
29	8.28	30	3	1	-1.4	1.4	-68.9	2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	3.7	1.4	-68.3	0	8	4.0	4.0	1	0.0	-2.7	0.0	10.4	14.3	3.3	0.0	12	19	0.0	20	137	8
30	4.84	2	1	1	-2.6	0.8	-40.4	0	5	4.0	4.0	1	-0.2	-2.0	0.0	10.4	14.3	3.3	0.0	10	14	0.0	20	137	8
30	8.28	30	3	1	-0.8	0.8	-40.0	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	2.8	-0.8	-39.4	0	5	4.0	4.0	1	-0.2	-2.0	0.0	10.4	14.3	3.3	0.0	10	14	0.0	20	137	8
31	4.84	2	1	1	-2.6	-0.8	-40.0	0	5	4.0	4.0	1	0.2	-2.0	0.0	10.4	14.3	3.3	0.0	9	14	0.0	20	137	8
31	8.28	30	3	1	-0.8	-0.8	-39.6	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	2.8	0.8	-39.0	0	5	4.0	4.0	1	0.2	-2.0	0.0	10.4	14.3	3.3	0.0	9	14	0.0	20	137	8
32	4.84	2	1	1	-3.4	1.4	-68.1	0	7	4.0	4.0	1	0.0	-2.5	0.0	10.4	14.3	3.3	0.0	11	18	0.0	20	137	8
32	8.28	30	3	1	-1.4	1.4	-67.7	2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	3.5	-1.3	-67.0	0	8	4.0	4.0	1	0.0	-2.5	0.0	10.4	14.3	3.3	0.0	11	18	0.0	20	137	8
33	4.84	2	1	1	-0.4	0.3	-13.1	0	1	4.0	4.0	1	-0.2	-0.3	0.0	19.7	20.4	2.0	0.0	3	2	0.0	20	91	8
33	6.65	30	3	1	-0.3	0.3	-12.8	0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	0.2	-0.2	-12.4	0	1	4.0	4.0	1	-0.2	-0.3	0.0	19.7	20.4	2.0	0.0	3	2	0.0	20	91	8
34	4.84	2	1	1	-0.4	-0.3	-13.4	0	1	4.0	4.0	1	0.2	-0.3	0.0	19.8	20.4	2.0	0.0	2	2	0.0	20	91	8
34	6.65	30	3	1	-0.3	-0.3	-13.2	0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	0.3	0.3	-12.7	0	1	4.0	4.0	1	0.2	-0.3	0.0	19.8	20.4	2.0	0.0	2	2	0.0	20	91	8
35	4.84	2	1	1	-3.4	1.4	-68.7	0	8	4.0	4.0	1	0.0	-2.5	0.0	10.4	14.3	3.3	0.0	11	18	0.0	20	137	8
35	8.28	30	3	1	-1.4	1.4	-68.3	2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	3.5	1.4	-67.7	0	8	4.0	4.0	1	0.0	-2.5	0.0	10.4	14.3	3.3	0.0	11	18	0.0	20	137	8
36	4.84	2	1	1	-2.9	0.9	-42.6	0	5	4.0	4.0	1	-0.2	-2.3	0.0	10.4	14.3	3.3	0.0	11	16	0.0	20	137	8
36	8.28	30	3	1	-0.8	0.8	-42.2	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	3.3	-0.8	-41.6	1	5	4.0	4.0	1	-0.2	-2.3	0.0	10.4	14.3	3.3	0.0	11	16	0.0	20	137	8
128	4.84	28	1	1	-0.6	0.9	-30.1	0	1	3.0	1.0	1	-0.9	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	91	8
128	6.65	220	3	1	-0.6	0.6	-29.0	0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	-0.5	-0.7	-27.5	0	1	3.0	1.0	1	-0.9	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	91	8
129	5.70	29	1	1	-0.2	0.2	-9.5	0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	1	0.0	20	58	8
129	7.46	20	3	1	-0.2	0.2	-9.3	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-0.2	-0.2	-9.1	0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	1	0.0	20	58	8
130	3.98	29	1	1	0.2	0.2	-8.0	0	1	3.1	4.2	1	0.0	0.2	0.0	15.0	17.0	1.5	0.0	1	1	0.0	20	71	8
130	5.84	20	3	1	-0.2	0.2	-7.8	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-0.2	-0.2	-7.5	0	1	3.1	4.2	1	0.0	0.2	0.0	15.0	17.0	1.5	0.0	1	1	0.0	20	71	8
131	4.84	28	1	1	0.8	0.8	-41.9	0	1	3.0	1.0	1	0.3	-0.1	0.0	42.5	3.3	6.3	0.0	1	3	0.0	40	91	8
131	6.65	220	3	1	0.8	1.2	-40.4	0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	0.8	1.5	-39.3	0	1	3.0	1.0	1	0.3	-0.1	0.0	42.5	3.3	6.3	0.0	1	3	0.0	40	91	8
132	5.70	29	1	1	-0.3	-0.3	-15.4	0	2	3.1	4.2	1	0.0	-0.5	0.0	16.0	18.0	1.5	0.0	3	3	0.0	20	58	8
132	7.46	20	3	1	0.3	0.3	-15.2	0	2	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.5	0.3	-15.0	0	2	3.1	4.2	1	0.0	-0.5	0.0	16.0	18.0	1.5	0.0	3	3	0.0	20	58	8
133	3.98	29	1	1	-0.3	-0.3	-14.3	0	1	3.1	4.2	1	0.0	-0.6	0.0	15.9	17.9	1.5	0.0	3	3	0.0	20	71	8
133	5.84	20	3	1	0.3	0.3	-14.0	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.6	0.3	-13.9	0	2	3.1	4.2	1	0.0	-0.6	0.0	15.9	17.9	1.5	0.0	3	3	0.0	20	71	8
160	4.84	30	1	1	0.6	0.6	-28.1	0	1	3.1	15.4	1	0.0	0.6	0.0	72.9	89.2	8.9	0.0	1	1	0.0	20	91	8
160	6.65	20	3	1	0.5	-0.5	-27.3	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	-0.6	-0.5	-26.0	0	1	3.1	15.4	1	0.0	0.6	0.0	72.9	89.2	8.9	0.0	1	1	0.0	20	91	8
161	4.84	30	1	1	-2.0	-0.4	-19.2	0	1	3.1	15.4	1	0.0	0.7	0.0	71.8	87.8	8.9	0.0	1	1	0.0	20	91	8
161	6.65	20	3	1	-2.7	0.4	-17.9	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	-3.2	0.3	-17.1	0	1	3.1	15.4	1	0.0	0.7	0.0	71.8	87.8	8.9	0.0	1	1	0.0	20	91	8
162	4.84	30	1	1	-1.3	-0.4	-19.8	0	1	3.1	15.4	1	0.0	1.4	0.0	71.9	87.9	8.9	0.0	2	2	0.0	20	91	8
162	6.65	20	3	1	-2.9	0.4	-18.5	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	-3.9	0.4	-17.6	0	1	3.1	15.4	1	0.0	1.4	0.0	71.9	87.9	8.9	0.0	2	2	0.0	20	91	8
165	4.84	31	1	1	-4.3	1.1	-43.8	0	2	7.6	12.7	1	-0.9	-3.2	0.0	79.5	84.4	10.9	0.0	5	4	0.0	15	91	8
165	6.65	40	3	1	-2.0	0.9	-43.0	0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	85	5	1	1.5	-0.8	-41.8	0	1	7.6	12.7	1	-0.9	-3.2	0.0	79.5	84.4	10.9	0.0	5	4	0.0	15	91	8
166	4.84	31	1	1	-4.2	-1.1	-44.2	0	2	7.6	12.7	1	0.9	-3.2	0.0	79.5	84.5	10.9	0.0	5	4	0.0	15	91	8
166	6.65	40	3	1	-1.9	-0.9	-43.4	0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	85	5	1	1.6	0.8	-42.2	0	1	7.6	12.7	1	0.9	-3.2	0.0	79.5	84.5	10.9	0.0	5	4	0.0	15	91	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final N/Nc	Tratt	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
167	4.84	22	1	1	-0.5	0.0	-8.7	0	1	18.5		1	0.0	-0.4	0.0	25.6	25.6	8.2	0.0	1	1	0.0	10	142	8
167	8.28	20	3	1	-0.2	0.0	-8.3	0	1	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.19	0.00		5	1	0.5	0.0	-7.6	0	1	18.5		1	0.0	-0.4	0.0	25.6	25.6	8.2	0.0	1	1	0.0	10	142	8
168	4.84	22	1	1	-0.6	0.0	-8.4	0	1	18.5		1	0.0	-0.4	0.0	25.6	25.6	8.2	0.0	1	1	0.0	10	142	8
168	8.28	20	3	1	-0.2	0.0	-7.9	0	1	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.19	0.00		5	1	0.5	0.0	-7.2	0	1	18.5		1	0.0	-0.4	0.0	25.6	25.6	8.2	0.0	1	1	0.0	10	142	8
33	6.65	2	1	1	0.3	-0.3	-13.7	0	1	4.0	4.0	1	-0.2	-0.5	0.0	10.4	14.3	3.3	0.0	3	3	0.0	20	46	8
33	8.28	30	3	1	0.3	-0.3	-13.4	0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	0.5	-0.3	-13.3	0	1	4.0	4.0	1	-0.2	-0.5	0.0	10.4	14.3	3.3	0.0	3	3	0.0	20	46	8
34	6.65	2	1	1	0.3	0.3	-14.1	0	1	4.0	4.0	1	0.2	-0.4	0.0	10.4	14.3	3.3	0.0	3	3	0.0	20	46	8
34	8.28	30	3	1	0.3	0.3	-13.9	0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	0.4	0.3	-13.7	0	1	4.0	4.0	1	0.2	-0.4	0.0	10.4	14.3	3.3	0.0	3	3	0.0	20	46	8
128	6.65	28	1	1	0.5	0.5	-22.7	0	1	3.0	1.0	1	-0.8	0.1	0.0	77.1	65.7	7.1	0.0	1	1	0.0	20	81	8
128	8.28	220	3	1	0.4	-0.5	-21.3	0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	20	5	1	-0.4	-1.0	-20.4	0	0	3.0	1.0	1	-0.8	0.1	0.0	77.1	65.7	7.1	0.0	1	1	0.0	20	81	8
129	7.46	29	1	1	0.1	-0.1	-5.6	0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	84	8
129	9.14	20	3	1	0.1	-0.1	-5.4	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.1	-0.1	-5.0	0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	84	8
130	5.84	29	1	1	0.2	0.1	-5.7	0	1	3.1	4.2	1	0.0	0.2	0.0	14.8	16.6	1.5	0.0	1	1	0.0	20	75	8
130	7.42	20	3	1	0.1	0.1	-5.6	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-0.1	-0.1	-5.3	0	1	3.1	4.2	1	0.0	0.2	0.0	14.8	16.6	1.5	0.0	1	1	0.0	20	75	8
131	6.65	28	1	1	-0.7	-0.7	-34.8	0	1	3.0	1.0	1	0.4	-0.3	0.0	85.0	6.6	12.7	0.0	1	5	0.0	20	81	8
131	8.28	220	3	1	-0.7	-0.7	-33.9	0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	20	5	1	0.6	0.6	-32.5	0	1	3.0	1.0	1	0.4	-0.3	0.0	85.0	6.6	12.7	0.0	1	5	0.0	20	81	8
132	7.46	29	1	1	-0.6	0.1	-6.6	0	1	3.1	4.2	1	0.0	-0.5	0.0	14.9	16.7	1.5	0.0	3	3	0.0	20	84	8
132	9.14	20	3	1	-0.2	0.1	-6.4	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.2	-0.1	-6.1	0	1	3.1	4.2	1	0.0	-0.5	0.0	14.9	16.7	1.5	0.0	3	3	0.0	20	84	8
133	5.84	29	1	1	-0.4	0.1	-7.2	0	1	3.1	4.2	1	0.0	-0.3	0.0	14.9	16.8	1.5	0.0	2	2	0.0	20	75	8
133	7.42	20	3	1	-0.2	0.1	-7.0	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.1	-0.1	-6.7	0	1	3.1	4.2	1	0.0	-0.3	0.0	14.9	16.8	1.5	0.0	2	2	0.0	20	75	8
160	6.65	30	1	1	0.6	0.3	-12.8	0	0	3.1	15.4	1	-0.1	0.4	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	81	8
160	8.28	20	3	1	0.3	0.2	-12.1	0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	-0.2	-0.2	-10.9	0	0	3.1	15.4	1	-0.1	0.4	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	81	8
161	6.65	30	1	1	2.3	-0.4	-19.9	0	1	3.1	15.4	2	0.1	0.5	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	81	8
161	8.28	20	3	1	2.0	-0.4	-19.1	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	1.5	0.4	-18.0	0	1	3.1	15.4	2	0.1	0.5	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	81	8
162	6.65	30	1	1	3.2	-0.4	-18.4	0	1	3.1	15.4	1	0.1	1.5	0.0	71.8	87.7	8.9	0.0	2	2	0.0	20	81	8
162	8.28	20	3	1	2.2	-0.4	-17.7	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	0.6	0.3	-16.5	0	0	3.1	15.4	1	0.1	1.5	0.0	71.8	87.7	8.9	0.0	2	2	0.0	20	81	8
165	6.65	31	1	1	2.0	-0.8	-40.5	0	1	7.6	12.7	1	-0.9	-3.1	0.0	79.1	84.1	10.9	0.0	5	4	0.0	15	46	8
165	8.28	40	3	1	3.7	-0.8	-39.9	0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	85	5	1	4.8	-1.0	-39.5	0	1	7.6	12.7	1	-0.9	-3.1	0.0	79.1	84.1	10.9	0.0	5	4	0.0	15	46	8
166	6.65	31	1	1	2.0	0.8	-40.9	0	1	7.6	12.7	1	0.9	-3.1	0.0	79.2	84.1	10.9	0.0	5	4	0.0	15	46	8
166	8.28	40	3	1	3.8	0.8	-40.2	0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	85	5	1	4.9	1.1	-39.8	0	2	7.6	12.7	1	0.9	-3.1	0.0	79.2	84.1	10.9	0.0	5	4	0.0	15	46	8
1	8.28	1	1	1	1.5	-0.4	-19.1	1	4	4.0	4.0	1	0.3	1.1	0.0	10.4	10.4	2.3	0.0	8	10	0.0	20	137	8
1	11.72	30	3	1	0.4	-0.4	-18.8	0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-1.4	0.4	-18.3	1	4	4.0	4.0	1	0.3	1.1	0.0	10.4	10.4	2.3	0.0	8	10	0.0	20	137	8
2	8.28	1	1	1	2.6	-0.9	-24.6	4	7	4.0	4.0	1	0.7	1.9	0.0	10.4	10.4	2.3	0.0	16	18	0.0	20	137	8
2	11.72	30	3	1	-0.5	0.5	-24.1	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-2.6	1.1	-23.8	4	8	4.0	4.0	1	0.7	1.9	0.0	10.4	10.4	2.3	0.0	16	18	0.0	20	137	8
3	8.28	1	1	1	2.7	0.9	-23.8	4	8	4.0	4.0	1	-0.8	2.0	0.0	10.4	10.4	2.3	0.0	17	19	0.0	20	137	8
3	11.72	30	3	1	-0.6	-0.5	-23.3	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-2.7	-1.2	-23.0	5	8	4.0	4.0	1	-0.8	2.0	0.0	10.4	10.4	2.3	0.0	17	19	0.0	20	137	8
4	8.28	1	1	1	1.4	0.6	-28.9	0	4	4.0	4.0	1	0.0	1.0	0.0	22.4	22.4	1.9	0.0	4	4	0.0	20	137	8
4	11.72	30	3	1	0.6	-0.6	-28.6	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00	30	5	1	-1.2	-0.6	-28.1	0	4	4.0	4.0	1	0.0	1.0	0.0	22.4	22.4	1.9	0.0	4	4	0.0	20	137	8
5	8.28	1	1	1	1.8	-0.6	-28.2	1	5	4.0	4.0	1	0.0	1.2	0.0	22.3	22.3	1.7	0.0	5	5	0.0	20	137	8
5	11.72	30	3	1	0.6	-0.6	-27.8	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00	30	5	1	-1.5	-0.5	-27.4	0	4	4.0	4.0	1	0.0	1.2	0.0	22.3	22.3	1.7	0.0	5	5	0.0	20	137	8
6	8.28	1	1	1	1.5	-0.6	-28.5	0	4	4.0	4.0	1	0.1	1.0	0.0	22.4	22.4	1.9	0.0	5	5	0.0	20	137	8
6	11.72	30	3	1	0.6	-0.6	-28.1	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00	30	5	1	-1.3	0.6	-27.7	0	4	4.0	4.0	1	0.1	1.0	0.0	22.4	22.4	1.9	0.0	5	5	0.0	20	137	8
7	8.28	1	1	1	2.9	-1.0	-23.8	5	8	4.0	4.0	1	0.8	2.1	0.0	10.4	10.4	2.3	0.0	18	21	0.0	20	137	8
7	11.72	30	3	1	0.6	-0.5	-23.5	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-2.9	1.2	-23.0	6	9	4.0	4.0	1	0.8	2.1	0.0	10.4	10.4	2.3	0.0	18	21	0.0	20	137	8
8	8.28	1	1	1	2.9	0.8	-24.6	5	8	4.0	4.0	1	-0.7	2.1	0.0	10.4	10.4	2.3	0.0	17	21	0.0	20	137	8
8	11.72	30	3	1	0.6	0.5	-24.3	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-2.9	-1.0	-23.8	5	8	4.0	4.0	1	-0.7	2.1	0.0	10.4	10.4	2.3	0.0	17	21	0.0	20	137	8
9	8.28	1	1	1	2.0	0.4	-19.3	2	5	4.0	4.0	1	-0.3	1.5	0.0	10.4	10.4	2.3	0.0	11	14	0.0	20	137	8
9	11.72	30	3	1	0.4	0.4	-19.0	0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-2.0	-0.4	-18.5	2	5	4.0	4.0	1	-0.3	1.5	0.0	10.4	10.4	2.3	0.0	11	14	0.0	20	137	8
10	8.28	1	1	1	-0.5	0.5	-25.9	1	3	4.0	4.0	1	0.0	-0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
10	11.72	30	3	1	-0.5	0.5	-25.5	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	0.5	-0.5	-25.1	1	3	4.0	4.0	1	0.0	-0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
11	8.28	1	1	1	-0.7	-0.7	-34.3	1	4	4.0	4.0	1	0.0	-0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
11	11.72	30	3	1	-0.7	-0.7	-34.0	1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	0.7	0.7	-33.5	1	4	4.0	4.0	1	0.0	-0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final N/Nc	Tratt	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
12	8.28	1	1	1	-0.7	-0.7	-34.4		1	4	4.0	4.0	2	0.0	-0.1	0.0	22.3	22.3	1.7	0.0	0	0	0.0	20	137	8
12	11.72	30	3	1	-0.7	-0.7	-34.1		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00	30	5	1	0.7	-0.7	-33.6		1	4	4.0	4.0	2	0.0	-0.1	0.0	22.3	22.3	1.7	0.0	0	0	0.0	20	137	8
13	8.28	1	1	1	0.7	-0.7	-33.6		1	4	4.0	4.0	1	0.0	0.1	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
13	11.72	30	3	1	0.7	-0.7	-33.3		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00	30	5	1	-0.7	0.7	-32.8		1	4	4.0	4.0	1	0.0	0.1	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
14	8.28	1	1	1	0.7	-0.7	-33.1		1	4	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
14	11.72	30	3	1	-0.7	-0.7	-32.8		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-0.6	-0.6	-32.3		1	4	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
15	8.28	1	1	1	0.7	-0.7	-33.3		1	4	4.0	4.0	1	0.0	0.3	0.0	10.4	10.4	2.3	0.0	2	3	0.0	20	137	8
15	11.72	30	3	1	0.7	-0.7	-33.0		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-0.7	0.7	-32.5		1	4	4.0	4.0	1	0.0	0.3	0.0	10.4	10.4	2.3	0.0	2	3	0.0	20	137	8
16	8.28	1	1	1	0.7	-0.7	-34.6		1	4	4.0	4.0	1	0.0	0.2	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
16	11.72	30	3	1	0.7	-0.7	-34.2		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00	30	5	1	-0.7	-0.7	-33.8		1	4	4.0	4.0	1	0.0	0.2	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
17	8.28	1	1	1	0.7	-0.7	-34.3		1	4	4.0	4.0	1	0.0	0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
17	11.72	30	3	1	0.7	-0.7	-34.0		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-0.7	-0.7	-33.5		1	4	4.0	4.0	1	0.0	0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
18	8.28	1	1	1	0.5	-0.5	-25.8		1	3	4.0	4.0	1	0.0	0.3	0.0	10.4	10.4	2.3	0.0	2	3	0.0	20	137	8
18	11.72	30	3	1	0.5	-0.5	-25.4		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-0.5	-0.5	-25.0		1	3	4.0	4.0	1	0.0	0.3	0.0	10.4	10.4	2.3	0.0	2	3	0.0	20	137	8
19	8.28	1	1	1	-0.5	0.5	-25.9		1	3	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
19	11.72	30	3	1	-0.5	0.5	-25.6		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	0.5	0.5	-25.1		1	3	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
20	8.28	1	1	1	-0.7	-0.7	-33.1		1	4	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
20	11.72	30	3	1	-0.7	-0.7	-32.8		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	0.6	-0.6	-32.3		1	4	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
21	8.28	1	1	1	-0.8	0.8	-40.3		1	5	4.0	4.0	1	-0.6	-0.5	0.0	16.9	16.9	1.4	0.0	6	6	0.0	20	137	8
21	11.72	30	3	1	-0.8	-0.8	-40.0		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	0.8	-1.0	-39.5		1	5	4.0	4.0	1	-0.6	-0.5	0.0	16.9	16.9	1.4	0.0	6	6	0.0	20	137	8
22	8.28	1	1	1	-0.8	-0.8	-38.3		1	4	4.0	4.0	1	0.6	-0.6	0.0	16.9	16.9	1.4	0.0	7	6	0.0	20	137	8
22	11.72	30	3	1	-0.8	0.8	-37.9		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	0.8	1.1	-37.5		1	5	4.0	4.0	1	0.6	-0.6	0.0	16.9	16.9	1.4	0.0	7	6	0.0	20	137	8
23	8.28	1	1	1	0.7	-0.7	-32.8		1	4	4.0	4.0	1	0.0	0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
23	11.72	30	3	1	0.6	-0.6	-32.5		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-0.6	-0.6	-32.0		1	4	4.0	4.0	1	0.0	0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
24	8.28	1	1	1	-0.8	-2.3	-39.8		1	7	4.0	4.0	1	1.7	-0.5	0.0	10.4	10.4	2.3	0.0	13	16	0.0	20	137	8
24	11.72	30	3	1	-0.8	-0.8	-39.5		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	0.8	2.2	-39.0		0	7	4.0	4.0	1	1.7	-0.5	0.0	10.4	10.4	2.3	0.0	13	16	0.0	20	137	8
25	8.28	1	1	1	-0.8	2.3	-40.2		0	7	4.0	4.0	1	-1.6	-0.5	0.0	10.4	10.4	2.3	0.0	12	16	0.0	20	137	8
25	11.72	30	3	1	-0.8	0.8	-39.9		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	0.8	-2.2	-39.4		0	6	4.0	4.0	1	-1.6	-0.5	0.0	10.4	10.4	2.3	0.0	12	16	0.0	20	137	8
26	8.28	1	1	1	0.7	-0.7	-33.0		1	4	4.0	4.0	1	0.0	0.3	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
26	11.72	30	3	1	0.7	-0.7	-32.7		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00	30	5	1	-0.6	-0.6	-32.2		1	4	4.0	4.0	1	0.0	0.3	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
27	8.28	1	1	1	0.6	-0.5	-26.0		1	3	4.0	4.0	1	0.0	0.4	0.0	10.4	10.4	2.3	0.0	3	4	0.0	20	137	8
27	11.72	30	3	1	0.5	-0.5	-25.7		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-0.6	0.5	-25.2		1	3	4.0	4.0	1	0.0	0.4	0.0	10.4	10.4	2.3	0.0	3	4	0.0	20	137	8
28	8.28	1	1	1	-1.9	-0.4	-18.7		2	5	4.0	4.0	1	0.2	-1.4	0.0	10.4	10.4	2.3	0.0	10	14	0.0	20	137	8
28	11.72	30	3	1	0.4	0.4	-18.2		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1.9	0.4	-17.9		2	5	4.0	4.0	1	0.2	-1.4	0.0	10.4	10.4	2.3	0.0	10	14	0.0	20	137	8
29	8.28	1	1	1	-1.4	0.6	-29.9		0	4	4.0	4.0	1	0.0	-0.9	0.0	10.4	10.4	2.3	0.0	6	9	0.0	20	137	8
29	11.72	30	3	1	-0.6	0.6	-29.5		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1.2	-0.6	-29.1		0	4	4.0	4.0	1	0.0	-0.9	0.0	10.4	10.4	2.3	0.0	6	9	0.0	20	137	8
30	8.28	1	1	1	-1.7	0.4	-18.5		1	4	4.0	4.0	1	-0.2	-1.3	0.0	10.4	10.4	2.3	0.0	10	13	0.0	20	137	8
30	11.72	30	3	1	0.5	-0.4	-18.0		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1.9	-0.4	-17.7		2	5	4.0	4.0	1	-0.2	-1.3	0.0	10.4	10.4	2.3	0.0	10	13	0.0	20	137	8
31	8.28	1	1	1	-1.5	-0.4	-18.2		1	4	4.0	4.0	1	0.2	-1.2	0.0	10.4	10.4	2.3	0.0	9	11	0.0	20	137	8
31	11.72	30	3	1	0.4	0.4	-17.7		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1.7	0.3	-17.4		2	4	4.0	4.0	1	0.2	-1.2	0.0	10.4	10.4	2.3	0.0	9	11	0.0	20	137	8
32	8.28	1	1	1	-1.2	0.6	-29.3		0	4	4.0	4.0	1	0.0	-0.8	0.0	10.4	10.4	2.3	0.0	5	8	0.0	20	137	8
32	11.72	30	3	1	-0.6	0.6	-29.0		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1.0	-0.6	-28.5		0	4	4.0	4.0	1	0.0	-0.8	0.0	10.4	10.4	2.3	0.0	5	8	0.0	20	137	8
33	8.28	1	1	1	-0.2	0.3	-4.4		0	1	4.0	4.0	1	-0.3	-0.2	0.0	14.0	14.0	1.4	0.0	3	2	0.0	20	86	8
33	10.00	30	3	1	-0.1	0.1	-4.2		0	0	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	0.1	-0.2	-3.9		0	1	4.0	4.0	1	-0.3	-0.2	0.0	14.0	14.0	1.4	0.0	3	2	0.0	20	86	8
34	8.28	1	1	1	-0.2	-0.3	-4.4		0	1	4.0	4.0	1	0.2	-0.1	0.0	14.1	14.1	1.4	0.0	3	2	0.0	20	86	8
34	10.00	30	3	1	-0.1	-0.1	-4.2		0	0	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	0.1	0.2	-3.9		0	1	4.0	4.0	1	0.2	-0.1	0.0	14.1	14.1	1.4	0.0	3	2	0.0	20	86	8
35	8.28	1	1	1	-1.0	-0.6	-29.6		0	4	4.0	4.0	1	0.0	-0.7	0.0	22.3	22.3	1.7	0.0	3	3	0.0	20	137	8
35	11.72	30	3	1	-0.6	-0.6	-29.3		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00	30	5	1	0.8	0.6	-28.8		1	4	4.0	4.0	1	0.0	-0.7	0.0	22.3	22.3	1.7	0.0	3	3	0.0	20	137	8
36	8.28	1	1	1	-1.4	0.4	-18.5		1	3	4.0	4.0	1	-0.2	-1.0	0.0	10.4	10.4	2.3	0.0	7	10	0.0	20	137	8
36	11.72	30	3	1	-0.4	0.4	-18.2		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1.4	-0.4	-17.7		1	3	4.0	4.0	1	-0.2	-1.0	0.0	10.4	10.4	2.3	0.0	7	10	0.0	20	137	8
128	8.28	28	1	1	-0.4	0.4	-19.6		0	0	3.0	1.0	1	-0.7	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
128	10.00	220	3	1	-0.4	-0.4	-18.1		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	-0.3	-0.9	-17.1		0	0	3.0	1.0	1	-0.7	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz. Fin. Ctgθ	Quota Iniz. Final N/Nc	Tra t	Sez Bas Alt	Con c	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
129	9.14		29	1	1	-0.1	0.1	-6.2		0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	1	0.0	20	55	8
129	10.86		20	3	1	-0.1	0.1	-6.0		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.1	-0.1	-5.8		0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	1	0.0	20	55	8
130	7.42		29	1	1	0.1	0.1	-5.0		0	0	3.1	4.2	1	0.0	0.2	0.0	14.7	16.5	1.5	0.0	2	1	0.0	20	64	8
130	9.14		20	3	1	-0.1	-0.1	-4.7		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.2	-0.1	-4.5		0	1	3.1	4.2	1	0.0	0.2	0.0	14.7	16.5	1.5	0.0	2	1	0.0	20	64	8
131	8.28		28	1	1	0.5	0.7	-24.2		0	1	3.0	1.0	1	0.3	0.0	0.0	42.5	3.3	6.3	0.0	0	1	0.0	40	86	8
131	10.00		220	3	1	0.5	1.0	-22.7		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.4	1.2	-21.7		0	1	3.0	1.0	1	0.3	0.0	0.0	42.5	3.3	6.3	0.0	0	1	0.0	40	86	8
132	9.14		29	1	1	0.2	-0.2	-9.9		0	1	3.1	4.2	1	0.0	-0.4	0.0	15.3	17.2	1.5	0.0	2	2	0.0	20	55	8
132	10.86		20	3	1	0.4	0.2	-9.7		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.5	0.2	-9.5		0	1	3.1	4.2	1	0.0	-0.4	0.0	15.3	17.2	1.5	0.0	2	2	0.0	20	55	8
133	7.42		29	1	1	-0.2	-0.2	-10.1		0	1	3.1	4.2	1	0.1	-0.6	0.0	15.3	17.3	1.5	0.0	4	3	0.0	20	64	8
133	9.14		20	3	1	0.4	0.2	-9.8		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.7	0.2	-9.7		0	1	3.1	4.2	1	0.1	-0.6	0.0	15.3	17.3	1.5	0.0	4	3	0.0	20	64	8
160	8.28		30	1	1	0.4	0.4	-17.6		0	0	3.1	15.4	1	-0.1	0.1	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	86	8
160	10.00		20	3	1	0.3	-0.3	-16.8		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.3	-0.3	-15.6		0	0	3.1	15.4	1	-0.1	0.1	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	86	8
161	8.28		30	1	1	-1.7	-0.2	-9.2		0	0	3.1	15.4	1	0.0	1.1	0.0	70.6	86.3	8.9	0.0	1	1	0.0	20	86	8
161	10.00		20	3	1	-2.9	0.2	-8.0		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-3.7	0.1	-7.2		0	0	3.1	15.4	1	0.0	1.1	0.0	70.6	86.3	8.9	0.0	1	1	0.0	20	86	8
162	8.28		30	1	1	-1.5	-0.2	-8.2		0	0	3.1	15.4	1	0.0	1.4	0.0	70.5	86.2	8.9	0.0	2	2	0.0	20	86	8
162	10.00		20	3	1	-2.9	0.1	-7.0		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-3.9	0.1	-6.2		0	0	3.1	15.4	1	0.0	1.4	0.0	70.5	86.2	8.9	0.0	2	2	0.0	20	86	8
165	8.28		31	1	1	-4.5	1.9	-22.9		1	2	7.6	12.7	1	-1.7	-3.7	0.0	76.6	81.3	10.9	0.0	7	5	0.0	15	86	8
165	10.00		40	3	1	-2.0	0.7	-22.1		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	1.8	-1.1	-21.0		0	1	7.6	12.7	1	-1.7	-3.7	0.0	76.6	81.3	10.9	0.0	7	5	0.0	15	86	8
166	8.28		31	1	1	-3.9	-1.9	-23.3		1	1	7.6	12.7	1	1.8	-3.3	0.0	76.6	81.4	10.9	0.0	6	5	0.0	15	86	8
166	10.00		40	3	1	-1.7	-0.7	-22.5		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	1.7	1.1	-21.4		0	1	7.6	12.7	1	1.8	-3.3	0.0	76.6	81.4	10.9	0.0	6	5	0.0	15	86	8
167	8.28		22	1	2	-0.6	0.0	-3.6		1	1	18.5		1	0.0	-0.5	0.0	25.2	25.2	8.1	0.0	2	2	0.0	10	142	8
167	11.72		20	3	1	0.2	0.0	-3.2		0	0	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.16	0.00			5	2	0.7	0.0	-2.5		1	1	18.5		1	0.0	-0.5	0.0	25.2	25.2	8.1	0.0	2	2	0.0	10	142	8
168	8.28		22	1	2	-0.6	0.0	-3.4		1	1	18.5		1	0.0	-0.5	0.0	25.2	25.2	8.1	0.0	2	2	0.0	10	142	8
168	11.72		20	3	1	0.2	0.0	-2.9		0	0	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.16	0.00			5	2	0.8	0.0	-2.3		1	1	18.5		1	0.0	-0.5	0.0	25.2	25.2	8.1	0.0	2	2	0.0	10	142	8
33	10.00		1	1	1	-0.1	-0.1	-6.6		0	1	4.0	4.0	1	-0.3	-0.3	0.0	14.4	14.4	1.4	0.0	4	3	0.0	20	51	8
33	11.72		30	3	1	0.2	-0.2	-6.4		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.3	-0.3	-6.3		0	1	4.0	4.0	1	-0.3	-0.3	0.0	14.4	14.4	1.4	0.0	4	3	0.0	20	51	8
34	10.00		1	1	1	0.1	0.1	-6.9		0	1	4.0	4.0	1	0.2	-0.2	0.0	14.4	14.4	1.4	0.0	3	2	0.0	20	51	8
34	11.72		30	3	1	0.1	0.2	-6.7		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.2	0.3	-6.6		0	1	4.0	4.0	1	0.2	-0.2	0.0	14.4	14.4	1.4	0.0	3	2	0.0	20	51	8
128	10.00		28	1	1	0.2	0.2	-12.3		0	0	3.0	1.0	1	0.0	-0.2	0.0	42.5	3.3	6.3	0.0	0	6	0.0	40	86	8
128	11.72		220	3	1	0.2	0.2	-11.3		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.3	0.2	-9.8		0	0	3.0	1.0	1	0.0	-0.2	0.0	42.5	3.3	6.3	0.0	0	6	0.0	40	86	8
129	10.86		29	1	1	0.2	-0.1	-4.4		0	0	3.1	4.2	1	0.0	-0.1	0.0	14.6	16.4	1.5	0.0	1	0	0.0	20	86	8
129	12.58		20	3	1	0.2	0.1	-4.0		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.3	0.1	-3.8		0	1	3.1	4.2	1	0.0	-0.1	0.0	14.6	16.4	1.5	0.0	1	0	0.0	20	86	8
130	9.14		29	1	1	-0.1	-0.1	-4.8		0	0	3.1	4.2	1	0.0	-0.4	0.0	14.6	16.5	1.5	0.0	2	2	0.0	20	82	8
130	10.86		20	3	1	0.3	0.1	-4.5		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.6	0.1	-4.3		0	1	3.1	4.2	1	0.0	-0.4	0.0	14.6	16.5	1.5	0.0	2	2	0.0	20	82	8
131	10.00		28	1	1	-0.3	-0.5	-16.7		0	0	3.0	1.0	1	0.4	-0.3	0.0	42.5	3.3	6.3	0.0	1	8	0.0	40	86	8
131	11.72		220	3	1	-0.3	-0.3	-15.7		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.3	0.3	-14.3		0	0	3.0	1.0	1	0.4	-0.3	0.0	42.5	3.3	6.3	0.0	1	8	0.0	40	86	8
132	10.86		29	1	1	-0.5	0.1	-2.8		0	1	3.1	4.2	1	0.0	-0.4	0.0	14.4	16.2	1.5	0.0	2	2	0.0	20	86	8
132	12.58		20	3	1	-0.2	0.1	-2.6		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.2	0.0	-2.3		0	0	3.1	4.2	1	0.0	-0.4	0.0	14.4	16.2	1.5	0.0	2	2	0.0	20	86	8
133	9.14		29	1	1	-0.4	0.1	-2.8		0	1	3.1	4.2	1	0.0	-0.4	0.0	14.4	16.2	1.5	0.0	2	2	0.0	20	82	8
133	10.86		20	3	1	-0.2	0.1	-2.6		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	2	0.1	0.0	-2.3		0	0	3.1	4.2	1	0.0	-0.4	0.0	14.4	16.2	1.5	0.0	2	2	0.0	20	82	8
160	10.00		30	1	1	0.1	0.1	3.8		1	0	3.1	15.4	1	-0.1	-0.7	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
160	11.72		20	3	1	0.9	0.1	5.0		1	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	1.4	-0.1	5.8		2	0	3.1	15.4	1	-0.1	-0.7	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
161	10.00		30	1	1	4.3	-0.2	-11.8		0	1	3.1	15.4	1	0.0	0.3	0.0	8.3	91.8	12.0	0.0	0	0	0.0	20	86	8
161	11.72		20	3	1	4.1	-0.2	-11.0		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	3.8	0.2	-9.8		0	0	3.1	15.4	1	0.0	0.3	0.0	8.3	91.8	12.0	0.0	0	0	0.0	20	86	8
162	10.00		30	1	1	6.7	-0.1	-7.5		1	1	3.1	15.4	1	0.0	3.1	0.0	70.4	86.0	8.9	0.0	4	3	0.0	20	86	8
162	11.72		20	3	1	4.6	-0.1	-6.7		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	1.4	0.1	-5.5		0	0	3.1	15.4	1	0.0	3.1	0.0	70.4	86.0	8.9	0.0	4	3	0.0	20	86	8
165	10.00		31	1	1	2.7	-0.4	-18.3		0	1	7.6	12.7	1	-1.7	-3.6	0.0	76.0	80.8	10.9	0.0	7	5	0.0	15	51	8
165	11.72		40	3	1	4.9	-1.3	-17.6		1	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	6.3	-2.0	-17.1		2	2	7.6	12.7	1	-1.7	-3.6	0.0	76.0	80.8	10.9	0.0	7	5	0.0	15	51	8
166	10.00		31	1	1	2.6	0.4	-18.4		0	1	7.6	12.7	1	1.8	-3.2	0.0	76.1	80.8	10.9	0.0	6	5	0.0	15	51	8
166	11.72		40	3	1	4.6	1.3	-17.7		1	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	5.9	2.0	-17.3		2	2	7.6	12.7	1	1.8	-3.2	0.0	76.1	80.8	10.9	0.0	6	5	0.0	15	51	8
21	11.72		1	1	1	0.2	-1.4	-8.3		3	3	4.0	4.0	1	2.5	0.3	0.0	10.4	10.4	2.3	0.0	19	24	0.0	20	100	8
21	14.22		30	3	1	-0.2	1.6	-7.9		4	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.5	3.5	-7.7		15	9	4.0	4.0	1	2.5	0.3	0.0	10.4	10.4	2.3	0.0	19	24	0.0	20	100	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Tra t	Sez Bas Alt	Con c	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
22	11.72	1	1	1	0.2	1.4	-8.3	3	3	4.0	4.0	1	-2.4	0.3	0.0	10.4	10.4	2.3	0.0	19	24	0.0	20	100	8
22	14.22	30	3	1	-0.3	-1.6	-7.9	4	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-0.5	-3.5	-7.7	15	9	4.0	4.0	1	-2.4	0.3	0.0	10.4	10.4	2.3	0.0	19	24	0.0	20	100	8
24	11.72	1	1	1	-0.2	-3.3	-8.3	13	7	4.0	4.0	1	3.5	0.2	0.0	10.4	10.4	2.3	0.0	26	34	0.0	20	100	8
24	14.22	30	3	2	-0.3	0.9	-7.8	1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-0.5	3.7	-7.7	16	9	4.0	4.0	1	3.5	0.2	0.0	10.4	10.4	2.3	0.0	26	34	0.0	20	100	8
25	11.72	1	1	1	-0.2	3.3	-8.3	13	8	4.0	4.0	1	-3.5	0.3	0.0	10.4	10.4	2.3	0.0	26	34	0.0	20	100	8
25	14.22	30	3	2	-0.3	-0.9	-7.8	1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	-0.5	-3.7	-7.7	16	9	4.0	4.0	1	-3.5	0.3	0.0	10.4	10.4	2.3	0.0	26	34	0.0	20	100	8
128	11.72	28	1	1	0.1	2.8	-7.2	0	0	3.0	1.0	2	0.1	-0.1	0.0	42.5	3.3	6.3	0.0	0	4	0.0	40	85	8
128	13.42	220	3	1	0.2	2.9	-5.7	0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	0.3	2.9	-4.8	1	1	3.0	1.0	2	0.1	-0.1	0.0	42.5	3.3	6.3	0.0	0	4	0.0	40	85	8
129	12.58	29	1	1	1.0	0.1	-6.5	1	1	3.1	4.2	1	-0.1	-0.2	0.0	14.9	16.8	1.5	0.0	2	1	0.0	20	22	8
129	13.42	20	3	1	1.0	0.1	-6.4	1	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	1.1	-0.1	-6.4	1	1	3.1	4.2	1	-0.1	-0.2	0.0	14.9	16.8	1.5	0.0	2	1	0.0	20	22	8
130	10.86	29	1	1	-0.2	-0.1	-4.2	0	0	3.1	4.2	1	0.0	-0.3	0.0	14.5	16.4	1.5	0.0	2	2	0.0	20	108	8
130	13.42	20	3	1	0.3	0.1	-3.8	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.6	0.1	-3.5	0	1	3.1	4.2	1	0.0	-0.3	0.0	14.5	16.4	1.5	0.0	2	2	0.0	20	108	8
131	11.72	28	1	1	0.1	2.9	-6.9	0	0	3.0	1.0	2	0.0	-0.1	0.0	42.5	3.3	6.3	0.0	0	2	0.0	40	85	8
131	13.42	220	3	1	0.2	2.9	-5.5	0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	0.3	2.9	-4.5	0	0	3.0	1.0	2	0.0	-0.1	0.0	42.5	3.3	6.3	0.0	0	2	0.0	40	85	8
132	12.58	29	1	1	1.1	0.1	-6.7	1	1	3.1	4.2	2	0.0	-0.2	0.0	14.9	16.8	1.5	0.0	1	1	0.0	20	22	8
132	13.42	20	3	1	1.1	0.1	-6.6	1	2	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	1.1	0.1	-6.5	1	2	3.1	4.2	2	0.0	-0.2	0.0	14.9	16.8	1.5	0.0	1	1	0.0	20	22	8
133	10.86	29	1	1	-0.1	-0.1	-4.3	0	0	3.1	4.2	1	0.0	-0.3	0.0	14.5	16.4	1.5	0.0	2	2	0.0	20	108	8
133	13.42	20	3	1	0.3	0.1	-3.9	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.5	0.1	-3.6	0	1	3.1	4.2	1	0.0	-0.3	0.0	14.5	16.4	1.5	0.0	2	2	0.0	20	108	8

STAMPA PROGETTO S.L.U. - STABILITA' ELEMENTI SNELLI IN C.A.

Asta 3d	Filo Iniz	Quota Iniz.	Filo Fina	Quota Final	Lambda Elemen	Lambda Minimo	Sf.Nor. (t)	Ecc.EX (mm)	Ecc.AX (mm)	Ecc.2X (mm)	Ecc.EY (mm)	Ecc.AY (mm)	Ecc.2Y (mm)
133	4	4.84	4	1.40	32	31	-108.02	9	7	0	20	7	1
134	5	4.84	5	1.40	32	31	-110.22	20	7	0	20	7	1
135	6	4.84	6	1.40	32	30	-112.32	8	7	0	8	7	1
140	11	4.84	11	1.40	32	28	-134.59	8	7	0	20	7	2
141	12	4.84	12	1.40	32	28	-134.84	8	7	0	20	7	2
142	13	4.84	13	1.40	32	28	-132.78	8	7	0	20	7	2
143	14	4.84	14	1.40	32	28	-130.08	8	7	0	20	7	2
144	15	4.84	15	1.40	32	28	-130.95	8	7	0	20	7	2
145	16	4.84	16	1.40	27	25	-133.67	11	7	1	0	0	0
146	17	4.84	17	1.40	32	28	-133.61	8	7	0	20	7	2
149	20	4.84	20	1.40	32	28	-132.71	20	7	1	20	7	2
150	21	4.84	21	1.40	32	28	-129.30	8	7	0	8	7	1
151	22	4.84	22	1.40	32	28	-127.47	8	7	0	8	7	1
152	23	4.84	23	1.40	32	28	-131.08	8	7	0	20	7	2
153	24	4.84	24	1.40	32	28	-130.38	8	7	0	9	7	1
154	25	4.84	25	1.40	32	28	-132.54	8	7	0	9	7	1
155	26	4.84	26	1.40	32	28	-132.15	8	7	0	8	7	1
158	29	4.84	29	1.40	32	31	-104.41	19	7	0	8	7	1
164	35	4.84	35	1.40	32	32	-103.45	18	7	0	8	7	1
388	11	8.28	11	4.84	32	31	-84.45	8	7	0	8	7	1
389	12	8.28	12	4.84	32	31	-84.76	8	7	0	8	7	1
390	13	8.28	13	4.84	32	31	-83.55	8	7	0	8	7	1
392	15	8.28	15	4.84	32	32	-82.82	8	7	0	20	7	1
393	16	8.28	16	4.84	32	31	-84.87	8	7	0	8	7	1
394	17	8.28	17	4.84	32	31	-84.50	8	7	0	8	7	1
397	20	8.28	20	4.84	32	32	-82.66	20	7	1	8	7	1
398	21	8.28	21	4.84	32	31	-84.26	9	7	0	8	7	1
401	24	8.28	24	4.84	32	31	-84.23	8	7	0	15	7	1
402	25	8.28	25	4.84	32	31	-85.40	8	7	0	15	7	1

STAMPA PROGETTO S.L.U. - ACCIAIO + VERIFICA S.L.E.

VERIFICHE ASTE IN ACCIAIO 3D

DATI DI ASTA	Fili N.ro	Quota (m)	Tra tto	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	N Rd kg	MxV.Rd kg*m	MyV.Rd kg*m	VxplRd Kg	VyplRd Kg	T Rd kg*m	fy rid Kg/cmq	Rap %
Sez.N. 1083	115	4.60		1	-21119	38	-88	-39	-21	-1	172040	11136	11136	63237	63237	9934	2619	12
TUBO219.1x	qn=	0		1	-21226	5	-27	-39	-21	-1	172040	11133	11133	63237	63237	9934	2619	12
Asta: 175	115	1.40		1	-21333	-28	35	-39	-21	-1	172040	11130	11130	63237	63237	9934	2619	12
Instab.:l=	320.0	β*l=		320.0	-21333	15	39	cl= 1	ε= 0.92	lmd= 43	Rpf= 14	Rft= 0	Wmax/rel/lim=		0.0	0.0	12.8	mm
Sez.N. 1083	122	4.60		1	-23257	41	-125	-57	-22	-1	172040	11078	11078	63237	63237	9934	2619	14
TUBO219.1x	qn=	0		1	-23365	6	-33	-57	-22	-1	172040	11075	11075	63237	63237	9934	2619	14
Asta: 176	122	1.40		1	-23472	-29	58	-57	-22	-1	172040	11072	11072	63237	63237	9934	2619	14
Instab.:l=	320.0	β*l=		320.0	-23472	16	52	cl= 1	ε= 0.92	lmd= 43	Rpf= 15	Rft= 0	Wmax/rel/lim=		0.0	0.0	12.8	mm
Sez.N. 1083	123	4.60		1	-22323	9	-73	-32	-7	-1	172040	11104	11104	63237	63237	9934	2619	13
TUBO219.1x	qn=	0		1	-22430	-2	-22	-32	-7	-1	172040	11101	11101	63237	63237	9934	2619	13
Asta: 177	123	1.40		1	-22537	-13	30	-32	-7	-1	172040	11098	11098	63237	63237	9934	2619	13

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ACCIAIO + VERIFICA S.L.E.

VERIFICHE ASTE IN ACCIAIO 3D

DATI DI ASTA	Fili N.ro	Quota (m)	Tratto	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	N Rd kg	MxV.Rd kg*m	MyV.Rd kg*m	VxplRd Kg	VyplRd Kg	T Rd kg*m	fy rid Kg/cmq	Rap %
Instab.:l=	320.0	β*l=	320.0		-22537	5	32	cl= 1	ε= 0.92	lmd= 43	Rpf= 14	Rft= 0	Wmax/rel/lim=		0.0	0.0	12.8	mm
Sez.N. 1083	126	4.60	1		-20686	-16	-41	-16	5	-1	172040	11147	11147	63237	63237	9934	2619	12
TUBO219.1x	qn=	0	1		-20794	-8	-16	-16	5	-1	172040	11144	11144	63237	63237	9934	2619	12
Asta: 178	126	1.40	1		-20901	-1	9	-16	5	-1	172040	11142	11142	63237	63237	9934	2619	12
Instab.:l=	320.0	β*l=	320.0		-20901	10	21	cl= 1	ε= 0.92	lmd= 43	Rpf= 13	Rft= 0	Wmax/rel/lim=		0.0	0.0	12.8	mm
Sez.N. 1083	127	4.60	1		-18830	-129	-40	-18	58	-1	172040	11193	11193	63237	63237	9934	2619	11
TUBO219.1x	qn=	0	1		-18937	-37	-11	-18	58	-1	172040	11191	11191	63237	63237	9934	2619	11
Asta: 179	127	1.40	1		-19045	56	19	-18	58	-1	172040	11188	11188	63237	63237	9934	2619	11
Instab.:l=	320.0	β*l=	320.0		-19045	55	17	cl= 1	ε= 0.92	lmd= 43	Rpf= 13	Rft= 0	Wmax/rel/lim=		0.0	0.1	12.8	mm
Sez.N. 1083	141	4.60	1		-22319	-47	98	48	33	-1	172040	11104	11104	63237	63237	9934	2619	13
TUBO219.1x	qn=	0	1		-22426	6	21	48	33	-1	172040	11101	11101	63237	63237	9934	2619	13
Asta: 184	141	1.40	1		-22533	60	-56	48	33	-1	172040	11098	11098	63237	63237	9934	2619	13
Instab.:l=	320.0	β*l=	320.0		-22533	24	39	cl= 1	ε= 0.92	lmd= 43	Rpf= 15	Rft= 0	Wmax/rel/lim=		0.1	0.0	12.8	mm
Sez.N. 1083	143	4.60	1		-23176	-79	153	75	48	-1	172040	11080	11080	63237	63237	9934	2619	13
TUBO219.1x	qn=	0	1		-23284	-2	34	75	48	-1	172040	11077	11077	63237	63237	9934	2619	14
Asta: 185	143	1.40	1		-23391	76	-86	75	48	-1	172040	11074	11074	63237	63237	9934	2619	14
Instab.:l=	320.0	β*l=	320.0		-23391	32	61	cl= 1	ε= 0.92	lmd= 43	Rpf= 16	Rft= 0	Wmax/rel/lim=		0.1	0.1	12.8	mm
Sez.N. 1083	145	4.60	1		-18805	91	66	35	-31	-1	172040	11194	11194	63237	63237	9934	2619	11
TUBO219.1x	qn=	0	1		-18913	41	11	35	-31	-1	172040	11191	11191	63237	63237	9934	2619	11
Asta: 186	145	1.40	1		-19020	-10	-45	35	-31	-1	172040	11189	11189	63237	63237	9934	2619	11
Instab.:l=	320.0	β*l=	320.0		-19020	51	26	cl= 1	ε= 0.92	lmd= 43	Rpf= 13	Rft= 0	Wmax/rel/lim=		0.1	0.1	12.8	mm
Sez.N. 1083	147	4.60	1		-21051	-77	116	56	47	-1	172040	11138	11138	63237	63237	9934	2619	12
TUBO219.1x	qn=	0	1		-21158	-1	27	56	47	-1	172040	11135	11135	63237	63237	9934	2619	12
Asta: 187	147	1.40	1		-21266	74	-62	56	47	-1	172040	11132	11132	63237	63237	9934	2619	12
Instab.:l=	320.0	β*l=	320.0		-21266	31	47	cl= 1	ε= 0.92	lmd= 43	Rpf= 14	Rft= 0	Wmax/rel/lim=		0.1	0.0	12.8	mm
Sez.N. 1083	149	4.60	1		-20686	-22	66	31	22	-1	172040	11147	11147	63237	63237	9934	2619	12
TUBO219.1x	qn=	0	1		-20794	12	16	31	22	-1	172040	11144	11144	63237	63237	9934	2619	12
Asta: 188	149	1.40	1		-20901	47	-35	31	22	-1	172040	11142	11142	63237	63237	9934	2619	12
Instab.:l=	320.0	β*l=	320.0		-20901	19	26	cl= 1	ε= 0.92	lmd= 43	Rpf= 14	Rft= 0	Wmax/rel/lim=		0.1	0.0	12.8	mm
Sez.N. 115	122	4.60	1		-35131	-1888	84	918	3979	2	265089	28171	13479	123979	48579	1174	2238	13
HEB260	qn=	-80	1		-35117	-963	-130	918	3955	2	265089	28173	13479	123979	48579	1174	2238	13
Asta: 231	152	4.84	1		-35102	-43	-345	918	3931	2	265089	28175	13479	123979	48579	1174	2238	13
Instab.:l=	46.6	β*l=	32.7		0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	126	4.60	1		-27362	-2318	-35	-758	4953	-2	265089	28713	13479	123979	48579	1174	2238	10
HEB260	qn=	-80	1		-27348	-1166	142	-758	4929	-2	265089	28713	13479	123979	48579	1174	2238	10
Asta: 294	151	4.84	1		-27333	-19	319	-758	4905	-2	265089	28713	13479	123979	48579	1174	2238	10
Instab.:l=	46.6	β*l=	32.7		0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	113	4.84	1		-11321	297	3	0	-937	0	265089	28713	13479	123979	48579	1174	2238	4
HEB260	qn=	-93	1		-11335	-905	3	0	-1081	0	265089	28713	13479	123979	48579	1174	2238	4
Asta: 310	126	4.60	1		-11350	-2277	3	0	-1224	0	265089	28713	13479	123979	48579	1174	2238	8
Instab.:l=	238.2	β*l=	166.7		-11350	1708	3	cl= 1	ε= 1.00	lmd= 25	Rpf= 10	Rft= 10	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	10	4.84	1		-4506	1043	1	2	-1130	0	265089	28713	13479	123979	48579	1174	2238	4
HEB260	qn=	-92	1		-4520	-262	-1	2	-1261	0	265089	28713	13479	123979	48579	1174	2238	2
Asta: 311	115	4.60	1		-4535	-1779	-4	2	-1398	0	265089	28713	13479	123979	48579	1174	2238	6
Instab.:l=	223.3	β*l=	156.3		-4535	1335	2	cl= 1	ε= 1.00	lmd= 23	Rpf= 6	Rft= 6	Wmax/rel/lim=		0.6	0.1	8.9	mm
Sez.N. 115	112	4.84	1		-11128	83	0	0	-830	0	265089	28713	13479	123979	48579	1174	2238	4
HEB260	qn=	-93	1		-11143	-990	1	0	-973	0	265089	28713	13479	123979	48579	1174	2238	4
Asta: 312	123	4.60	1		-11157	-2234	1	0	-1116	0	265089	28713	13479	123979	48579	1174	2238	8
Instab.:l=	238.2	β*l=	166.7		-11157	1675	1	cl= 1	ε= 1.00	lmd= 25	Rpf= 10	Rft= 10	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	19	4.84	1		-3940	955	1	2	-1083	0	265089	28713	13479	123979	48579	1174	2238	3
HEB260	qn=	-92	1		-3954	-299	-2	2	-1214	0	265089	28713	13479	123979	48579	1174	2238	1
Asta: 313	122	4.60	1		-3969	-1764	-4	2	-1352	0	265089	28713	13479	123979	48579	1174	2238	6
Instab.:l=	223.3	β*l=	156.3		-3969	1323	2	cl= 1	ε= 1.00	lmd= 23	Rpf= 6	Rft= 6	Wmax/rel/lim=		0.6	0.1	8.9	mm
Sez.N. 115	114	4.84	1		-11567	331	4	-6	-939	1	265089	28713	13479	123979	48579	1174	2238	4
HEB260	qn=	-93	1		-11581	-872	12	-6	-1082	1	265089	28713	13479	123979	48579	1174	2238	4
Asta: 314	127	4.60	1		-11596	-2246	19	-6	-1225	1	265089	28713	13479	123979	48579	1174	2238	8
Instab.:l=	238.2	β*l=	166.7		-11596	1684	13	cl= 1	ε= 1.00	lmd= 25	Rpf= 11	Rft= 11	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	155	4.84	1		-30808	-41	-11	169	-4875	-1	265089	28701	13479	123979	48579	1174	2238	12
HEB260	qn=	-80	1		-30823	-1181	-50	169	-4899	-1	265089	28699	13479	123979	48579	1174	2238	12
Asta: 315	141	4.60	1		-30837	-2327	-89	169	-4923	-1	265089	28697	13479	123979	48579	1174	2238	12
Instab.:l=	46.6	β*l=	32.7		0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	156	4.84	1		-35201	-41	369	1126	-3874	1	265089	28163	13479	123979	48579	1174	2238	13
HEB260	qn=	-80	1		-35216	-947	106	1126	-3898	1	265089	28161	13479	123979	48579	1174	2238	13
Asta: 316	143	4.60	1		-35230	-1859	-157	1126	-3922	1	265089	28159	13479	123979	48579	1174	2238	13
Instab.:l=	46.6	β*l=	32.7		0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	157	4.84	1		-23640	6	-1630	-3920	-4913	-9	265089	28713	13479	123979	48579	1174	2238	12
HEB260	qn=	-80	1		-23655	-1142	-715	-3920	-4937	-9	265089	28713	13479	123979	48579	1174	2238	9
Asta: 317	145	4.60	1		-23669	-2297	199	-3920	-4961	-9	265089	28713	13479	123979	48579	1174	2238	9
Instab.:l=	46.6	β*l=	32.7		0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.3	0.0	1.9	mm
Sez.N. 115	158	4.84	1		-30878	-40	340	1052	-3850	1	265089	28692	13479	123979	48579	1174	2238	12
HEB260	qn=	-80	1		-30892	-941	94	1052	-3874	1	265089	28691	13479	123979	48579	1174	2238	12
Asta: 318	147	4.60	1		-30907	-1847	-151	1052	-3898	1	265089	28689	13479	123979	48579	1174	2238	12
Instab.:l=	46.6	β*l=	32.7		0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	159	4.84	1		-27230	-17	-302	-567	-4962	-2	265089	28713	13479	123979	48579	1174	2238	10
HEB260	qn=	-80	1		-27244	-1177	-170	-567	-4986	-2	265089	28713	13479	123979	48579	1174	2238	10
Asta: 319	149	4.60	1		-27259	-2343	-37	-567	-5011	-2	265089	28713	13479	123979	48579	1174	2238	10
Instab.:l=	46.6	β*l=	32.7		0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	115	4.60	1		-30835	-1868	78	842	3937	2	265089	28698	13479	123979	48579	1174	2238	12
HEB260	qn=	-80	1		-30821	-952	-118	842	3913	2	265089	28699	13479	123979	48579	1174	2238	12
Asta: 336	150	4.84	1		-30806	-43	-315	842	3889	2	265089	28701	13479	123979	48579	1174	2238	12
Instab.:l=	46.6	β*l=	32.7		0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ACCIAIO + VERIFICA S.L.E.

VERIFICHE ASTE IN ACCIAIO 3D

DATI DI ASTA	Fili N.ro	Quota (m)	Tratto	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	N Rd kg	MxV.Rd kg*m	MyV.Rd kg*m	VxplRd Kg	VyplRd Kg	T Rd kg*m	fy rid Kg/cmq	Rap %
Sez.N. 115	141	4.60		1	-11167	-2228	-4	-1	1112	0	265089	28713	13479	123979	48579	1174	2238	8
HEB260 qn=	-93			1	-11152	-989	-2	-1	969	0	265089	28713	13479	123979	48579	1174	2238	4
Asta: 337	140	4.84		1	-11138	80	0	-1	826	0	265089	28713	13479	123979	48579	1174	2238	4
Instab.:l=	238.2	β*l=		166.7	-11167	1671	2	cl= 1	ε= 1.00	lmd= 25	Rpf= 10	Rft= 10	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	123	4.60		1	-30917	-2307	16	-39	4877	0	265089	28688	13479	123979	48579	1174	2238	12
HEB260 qn=	-80			1	-30903	-1173	25	-39	4852	0	265089	28689	13479	123979	48579	1174	2238	12
Asta: 349	153	4.84		1	-30888	-44	34	-39	4828	0	265089	28691	13479	123979	48579	1174	2238	12
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	147	4.60		1	-4549	-1731	-1	-2	1326	0	265089	28713	13479	123979	48579	1174	2238	6
HEB260 qn=	-92			1	-4535	-356	1	-2	1194	0	265089	28713	13479	123979	48579	1174	2238	2
Asta: 351	27	4.84		1	-4520	929	4	-2	1057	0	265089	28713	13479	123979	48579	1174	2238	3
Instab.:l=	223.3	β*l=		156.3	-4549	1298	2	cl= 1	ε= 1.00	lmd= 23	Rpf= 6	Rft= 6	Wmax/rel/lim=		0.6	0.1	8.9	mm
Sez.N. 115	149	4.60		1	-11398	-2277	-6	-1	1223	0	265089	28713	13479	123979	48579	1174	2238	8
HEB260 qn=	-93			1	-11384	-905	-4	-1	1080	0	265089	28713	13479	123979	48579	1174	2238	4
Asta: 352	148	4.84		1	-11369	296	-3	-1	937	0	265089	28713	13479	123979	48579	1174	2238	4
Instab.:l=	238.2	β*l=		166.7	-11398	1708	5	cl= 1	ε= 1.00	lmd= 25	Rpf= 10	Rft= 10	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	143	4.60		1	-3936	-1706	-1	-2	1271	0	265089	28713	13479	123979	48579	1174	2238	6
HEB260 qn=	-92			1	-3922	-390	2	-2	1140	0	265089	28713	13479	123979	48579	1174	2238	1
Asta: 356	18	4.84		1	-3907	833	4	-2	1003	0	265089	28713	13479	123979	48579	1174	2238	3
Instab.:l=	223.3	β*l=		156.3	-3936	1280	2	cl= 1	ε= 1.00	lmd= 23	Rpf= 6	Rft= 6	Wmax/rel/lim=		0.6	0.1	8.9	mm
Sez.N. 115	145	4.60		1	-11538	-2231	-22	-7	1217	1	265089	28713	13479	123979	48579	1174	2238	8
HEB260 qn=	-93			1	-11524	-867	-13	-7	1074	1	265089	28713	13479	123979	48579	1174	2238	4
Asta: 362	144	4.84		1	-11509	327	-4	-7	931	1	265089	28713	13479	123979	48579	1174	2238	4
Instab.:l=	238.2	β*l=		166.7	-11538	1673	15	cl= 1	ε= 1.00	lmd= 25	Rpf= 10	Rft= 10	Wmax/rel/lim=		1.1	0.1	9.5	mm
Sez.N. 115	127	4.60		1	-23738	-2286	-271	-4109	4933	-9	265089	28713	13479	123979	48579	1174	2238	10
HEB260 qn=	-80			1	-23724	-1138	687	-4109	4909	-9	265089	28713	13479	123979	48579	1174	2238	9
Asta: 377	154	4.84		1	-23709	4	1646	-4109	4885	-9	265089	28713	13479	123979	48579	1174	2238	12
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.3	0.0	1.9	mm
Sez.N. 61	150	8.28		1	-11839	31	-7	-4	-18	0	47528	1591	921	22272	9764	96	2238	25
HEA100 qn=	0			1	-11876	1	-1	-4	-18	0	47528	1590	921	22272	9764	96	2238	25
Asta: 420	150	4.84		1	-11913	-30	5	-4	-18	0	47528	1588	921	22272	9764	96	2238	25
Instab.:l=	344.0	β*l=		344.0	-11913	12	3	cl= 1	ε= 1.00	lmd= 137	Rpf= 78	Rft= 78	Wmax/rel/lim=		0.1	0.1	13.8	mm
Sez.N. 61	151	8.28		1	-11424	22	12	6	-14	0	47528	1610	921	22272	9764	96	2238	24
HEA100 qn=	0			1	-11461	-1	2	6	-14	0	47528	1608	921	22272	9764	96	2238	24
Asta: 421	151	4.84		1	-11499	-25	-9	6	-14	0	47528	1606	921	22272	9764	96	2238	24
Instab.:l=	344.0	β*l=		344.0	-11499	10	5	cl= 1	ε= 1.00	lmd= 137	Rpf= 75	Rft= 75	Wmax/rel/lim=		0.2	0.1	13.8	mm
Sez.N. 61	152	8.28		1	-13486	35	-13	-6	-20	0	47528	1518	919	22272	9764	96	2238	28
HEA100 qn=	0			1	-13523	0	-3	-6	-20	0	47528	1516	918	22272	9764	96	2238	28
Asta: 422	152	4.84		1	-13561	-35	8	-6	-20	0	47528	1515	918	22272	9764	96	2238	29
Instab.:l=	344.0	β*l=		344.0	-13561	14	5	cl= 1	ε= 1.00	lmd= 137	Rpf= 89	Rft= 89	Wmax/rel/lim=		0.1	0.1	13.8	mm
Sez.N. 61	153	8.28		1	-12402	32	6	3	-19	0	47528	1566	920	22272	9764	96	2238	26
HEA100 qn=	0			1	-12438	0	1	3	-19	0	47528	1565	920	22272	9764	96	2238	26
Asta: 423	153	4.84		1	-12476	-32	-4	3	-19	0	47528	1563	920	22272	9764	96	2238	26
Instab.:l=	344.0	β*l=		344.0	-12476	13	2	cl= 1	ε= 1.00	lmd= 137	Rpf= 81	Rft= 81	Wmax/rel/lim=		0.1	0.1	13.8	mm
Sez.N. 61	154	8.28		1	-10090	8	59	29	-7	0	47528	1669	921	22272	9764	96	2238	21
HEA100 qn=	0			1	-10127	-5	10	29	-7	0	47528	1668	921	22272	9764	96	2238	21
Asta: 424	154	4.84		1	-10164	-18	-41	29	-7	0	47528	1666	921	22272	9764	96	2238	21
Instab.:l=	344.0	β*l=		344.0	-10164	7	23	cl= 1	ε= 1.00	lmd= 137	Rpf= 70	Rft= 70	Wmax/rel/lim=		0.6	0.5	13.8	mm
Sez.N. 61	155	8.28		1	-12401	-32	-8	-4	19	0	47528	1566	920	22272	9764	96	2238	26
HEA100 qn=	0			1	-12438	1	-1	-4	19	0	47528	1565	920	22272	9764	96	2238	26
Asta: 425	155	4.84		1	-12475	34	6	-4	19	0	47528	1563	920	22272	9764	96	2238	26
Instab.:l=	344.0	β*l=		344.0	-12475	14	3	cl= 1	ε= 1.00	lmd= 137	Rpf= 82	Rft= 82	Wmax/rel/lim=		0.3	0.1	13.8	mm
Sez.N. 61	156	8.28		1	-13488	-35	11	5	21	0	47528	1518	919	22272	9764	96	2238	28
HEA100 qn=	0			1	-13524	1	3	5	21	0	47528	1516	918	22272	9764	96	2238	28
Asta: 426	156	4.84		1	-13562	37	-6	5	21	0	47528	1514	918	22272	9764	96	2238	29
Instab.:l=	344.0	β*l=		344.0	-13562	15	5	cl= 1	ε= 1.00	lmd= 137	Rpf= 89	Rft= 89	Wmax/rel/lim=		0.3	0.1	13.8	mm
Sez.N. 61	157	8.28		1	-10084	-9	-61	-30	8	0	47528	1670	921	22272	9764	96	2238	21
HEA100 qn=	0			1	-10121	5	-10	-30	8	0	47528	1668	921	22272	9764	96	2238	21
Asta: 427	157	4.84		1	-10159	20	43	-30	8	0	47528	1666	921	22272	9764	96	2238	21
Instab.:l=	344.0	β*l=		344.0	-10159	9	24	cl= 1	ε= 1.00	lmd= 137	Rpf= 70	Rft= 70	Wmax/rel/lim=		0.7	0.5	13.8	mm
Sez.N. 61	158	8.28		1	-11843	-31	5	2	18	0	47528	1591	921	22272	9764	96	2238	25
HEA100 qn=	0			1	-11880	0	1	2	18	0	47528	1589	921	22272	9764	96	2238	25
Asta: 428	158	4.84		1	-11918	32	-3	2	18	0	47528	1588	921	22272	9764	96	2238	25
Instab.:l=	344.0	β*l=		344.0	-11918	13	2	cl= 1	ε= 1.00	lmd= 137	Rpf= 78	Rft= 78	Wmax/rel/lim=		0.3	0.1	13.8	mm
Sez.N. 61	159	8.28		1	-11416	-22	-14	-7	14	0	47528	1610	921	22272	9764	96	2238	24
HEA100 qn=	0			1	-11453	2	-2	-7	14	0	47528	1609	921	22272	9764	96	2238	24
Asta: 429	159	4.84		1	-11490	27	11	-7	14	0	47528	1607	921	22272	9764	96	2238	24
Instab.:l=	344.0	β*l=		344.0	-11490	11	6	cl= 1	ε= 1.00	lmd= 137	Rpf= 76	Rft= 76	Wmax/rel/lim=		0.4	0.1	13.8	mm
Sez.N. 61	150	11.72		1	-4774	47	-8	-5	-25	0	47528	1858	921	22272	9764	96	2238	10
HEA100 qn=	0			1	-4811	5	0	-5	-25	0	47528	1858	921	22272	9764	96	2238	10
Asta: 622	150	8.28		1	-4849	-38	9	-5	-25	0	47528	1858	921	22272	9764	96	2238	10
Instab.:l=	344.0	β*l=		344.0	-4849	19	3	cl= 1	ε= 1.00	lmd= 137	Rpf= 33	Rft= 33	Wmax/rel/lim=		0.3	0.1	13.8	mm
Sez.N. 61	151	11.72		1	-4787	29	19	11	-15	0	47528	1858	921	22272	9764	96	2238	10
HEA100 qn=	0			1	-4824	3	1	11	-15	0	47528	1858	921	22272	9764	96	2238	10
Asta: 623	151	8.28		1	-4861	-23	-18	11	-15	0	47528	1858	921	22272	9764	96	2238	10
Instab.:l=	344.0	β*l=		344.0	-4861	12	8	cl= 1	ε= 1.00	lmd= 137	Rpf= 33	Rft= 33	Wmax/rel/lim=		0.4	0.2	13.8	mm
Sez.N. 61	152	11.72		1	-5462	52	-12	-8	-27	0	47528	1858	921	22272	9764	96	2238	11
HEA100 qn=	0			1	-5499	5	1	-8	-27	0	47528	1858	921	22272	9764	96	2238	12
Asta: 624	152	8.28		1	-5537	-43	15	-8	-27	0	47528	1858	921	22272	9764	96	2238	12
Instab.:l=	344.0	β*l=		344.0	-5537	21	6	cl= 1	ε= 1.00	lmd= 137	Rpf= 38	Rft= 38	Wmax/rel/lim=		0.3	0.2	13.8	mm

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1.3 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ACCIAIO + VERIFICA S.L.E.

VERIFICHE ASTE IN ACCIAIO 3D

DATI DI ASTA	Fili N.ro	Quota (m)	Tratto	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	N Rd kg	MxV.Rd kg*m	MyV.Rd kg*m	VxplRd Kg	VyplRd Kg	T Rd kg*m	fy rid Kg/cmq	Rap %
Sez.N. 61	153	11.72		1	-5082	51	7	4	-27	0	47528	1858	921	22272	9764	96	2238	11
HEA100	qn=	0		1	-5118	6	0	4	-27	0	47528	1858	921	22272	9764	96	2238	11
Asta: 625	153	8.28		1	-5156	-41	-7	4	-27	0	47528	1858	921	22272	9764	96	2238	11
Instab.:l=	344.0	β*l=		344.0	-5156	20	3	cl= 1	ε= 1.00	lmd= 137	Rpf= 35	Rft= 35	Wmax/rel/lim=		0.3	0.2	13.8	mm
Sez.N. 61	154	11.72		1	-4227	3	63	39	-1	0	47528	1858	921	22272	9764	96	2238	9
HEA100	qn=	0		1	-4264	1	-3	39	-1	0	47528	1858	921	22272	9764	96	2238	9
Asta: 626	154	8.28		1	-4302	-1	-70	39	-1	0	47528	1858	921	22272	9764	96	2238	9
Instab.:l=	344.0	β*l=		344.0	-4302	1	28	cl= 1	ε= 1.00	lmd= 137	Rpf= 31	Rft= 31	Wmax/rel/lim=		0.5	0.4	13.8	mm
Sez.N. 61	155	11.72		1	-5081	-51	-10	-6	27	0	47528	1858	921	22272	9764	96	2238	11
HEA100	qn=	0		1	-5118	-6	0	-6	27	0	47528	1858	921	22272	9764	96	2238	11
Asta: 627	155	8.28		1	-5156	41	11	-6	27	0	47528	1858	921	22272	9764	96	2238	11
Instab.:l=	344.0	β*l=		344.0	-5156	20	4	cl= 1	ε= 1.00	lmd= 137	Rpf= 35	Rft= 35	Wmax/rel/lim=		0.7	0.2	13.8	mm
Sez.N. 61	156	11.72		1	-5463	-52	9	6	28	0	47528	1858	921	22272	9764	96	2238	11
HEA100	qn=	0		1	-5500	-5	-1	6	28	0	47528	1858	921	22272	9764	96	2238	12
Asta: 628	156	8.28		1	-5538	43	-12	6	28	0	47528	1858	921	22272	9764	96	2238	12
Instab.:l=	344.0	β*l=		344.0	-5538	21	5	cl= 1	ε= 1.00	lmd= 137	Rpf= 37	Rft= 37	Wmax/rel/lim=		0.6	0.1	13.8	mm
Sez.N. 61	157	11.72		1	-4223	-5	-66	-41	2	0	47528	1858	921	22272	9764	96	2238	9
HEA100	qn=	0		1	-4260	-1	3	-41	2	0	47528	1858	921	22272	9764	96	2238	9
Asta: 629	157	8.28		1	-4298	2	74	-41	2	0	47528	1858	921	22272	9764	96	2238	9
Instab.:l=	344.0	β*l=		344.0	-4298	2	29	cl= 1	ε= 1.00	lmd= 137	Rpf= 32	Rft= 32	Wmax/rel/lim=		0.8	0.4	13.8	mm
Sez.N. 61	158	11.72		1	-4776	-47	5	3	25	0	47528	1858	921	22272	9764	96	2238	10
HEA100	qn=	0		1	-4813	-5	0	3	25	0	47528	1858	921	22272	9764	96	2238	10
Asta: 630	158	8.28		1	-4851	38	-5	3	25	0	47528	1858	921	22272	9764	96	2238	10
Instab.:l=	344.0	β*l=		344.0	-4851	19	2	cl= 1	ε= 1.00	lmd= 137	Rpf= 33	Rft= 33	Wmax/rel/lim=		0.6	0.1	13.8	mm
Sez.N. 61	159	11.72		1	-4783	-30	-22	-12	16	0	47528	1858	921	22272	9764	96	2238	10
HEA100	qn=	0		1	-4820	-3	-1	-12	16	0	47528	1858	921	22272	9764	96	2238	10
Asta: 631	159	8.28		1	-4858	24	21	-12	16	0	47528	1858	921	22272	9764	96	2238	10
Instab.:l=	344.0	β*l=		344.0	-4858	12	9	cl= 1	ε= 1.00	lmd= 137	Rpf= 33	Rft= 33	Wmax/rel/lim=		0.7	0.2	13.8	mm

SPECIFICHE CAMPI TABELLA DI STAMPA

Si riporta appresso la spiegazione delle sigle usate nelle tabelle di verifica aste in calcestruzzo per gli stati limite ultimi.

Filo Iniz./Fin. : *Sulla prima riga numero del filo del nodo iniziale, sulla seconda quello del nodo finale*

Cotg Θ : *Cotangente Angolo del puntone compresso*

Quota : *Sulla prima riga quota del nodo iniziale, sulla seconda quota del nodo finale*

SgmT : *Solo per le travi di fondazione:*
Pressione di contatto sul terreno in Kg/cmq calcolata con i valori caratteristici delle azioni assumendo i coefficienti gamma pari ad uno.

AmpC : *Solo per le travi di elevazione:*
Coefficiente di amplificazione dei carichi statici per tenere in conto della verifica locale dell'asta a sisma verticale.

N/Nc : *Solo per i pilastri:*
Percentuale della resistenza massima a compressione della sezione di solo calcestruzzo.

Tratto : *Se una trave è suddivisa in più tratti sulla prima riga è riportato il numero del tratto, sulla terza il numero di suddivisioni della trave*

Sez B/H : *Sulla prima riga numero della sezione nell'archivio, sulla seconda base della sezione, sulla terza altezza. Per sezioni a T è riportato l'ingombro massimo della sezione*

Concio : *Numero del concio*

Co Nr : *Numero della combinazione e in sequenza sollecitazioni ultime di calcolo che forniscono la massima deformazione nell'acciaio e nel calcestruzzo per la verifica a flessione*

GamRd : *Solo per le travi di fondazione: Coefficiente di sovraresistenza.*

M Exd : *Momento ultimo di calcolo asse vettore X (per le travi incrementato dalla traslazione del diagramma del momento flettente)*

M Eyd : *Momento ultimo di calcolo asse vettore Y*

N Ed : *Sforzo normale ultimo di calcolo*

x / d : *Rapporto fra la posizione dell'asse neutro e l'altezza utile della sezione moltiplicato per 100*

e_f% e_c% (*100) : *deformazioni massime nell'acciaio e nel calcestruzzo moltiplicate per 10.000. Valore limite per l'acciaio 100 (1%), valore limite nel calcestruzzo 35 (0,35%)*

Area : *Area del ferro in centimetri quadri; per le travi rispettivamente superiore ed inferiore, per i pilastri armature lungo la base e l'altezza della sezione*

Co Nr : *Numero della combinazione e in sequenza sollecitazioni ultime di calcolo che forniscono la minore sicurezza per le azioni taglianti e torcenti*

V Exd : *Taglio ultimo di calcolo in direzione X*

V Eyd : *Taglio ultimo di calcolo in direzione Y*

T sdu : *Momento torcente ultimo di calcolo*

V Rxd : *Taglio resistente ultimo delle staffe in direzione X*

V Ryd : *Taglio resistente ultimo delle staffe in direzione Y*

T Rd : *Momento torcente resistente ultimo delle staffe*

T Rld : *Momento torcente resistente ultimo dell'armatura longitudinale*

Coe Cls : *Coefficiente per il controllo di sicurezza del calcestruzzo alle azioni taglianti e torcenti moltiplicato per 100; la sezione è verificata se detto valore e minore o uguale a 100*

Coe Staf : *Coefficiente per il controllo di sicurezza delle staffe alle azioni taglianti e torcenti moltiplicato per 100; la sezione è verificata se detto valore e minore o uguale a 100*

Alon : *Armatura longitudinale a torsione (nelle travi rettangolari per le quali è stata effettuata la verifica a momento My in questo dato viene stampata anche l'armatura flessionale dei lati verticali)*

Staffe : *Passo staffe e lunghezza del tratto da armare*

Moltipl Ultimo : *Solo per le stampe di riverifica:*
Moltiplicatore dei carichi che porta a collasso la sezione. Il percorso dei carichi seguito e' a sforzo normale costante. Le deformazioni riportate sono determinate dalle sollecitazioni di calcolo amplificate del moltiplicatore in parola.

- **VERIFICHE ASTE IN ACCIAIO / LEGNO**

Si riporta appresso la spiegazione delle sigle usate nelle tabelle di verifica aste in acciaio e di verifica aste in legno.

Fili N.ro : *Sulla prima riga numero del filo del nodo iniziale, sulla terza quello del nodo finale*
Quota : *Sulla prima riga quota del nodo iniziale, sulla terza quota del nodo finale*
Tratto : *Se una trave è suddivisa in più tratti sulla prima riga è riportato il numero del tratto, sulla terza il numero di suddivisioni della trave*
Cmb N.r : *Numero della combinazione per la quale si Š avuta la condi zione più gravosa (rapporto di verifica massimo). La combinazione 0, se presente, si riferisce alle verifiche delle aste in legno, costruita con la sola presenza dei carichi permanenti (1.3*G1 + 1.5*G2). Seguono le caratteristiche associate alla combinazione:*
N Sd : *Sforzo normale di calcolo*
MxSd : *Momento flettente di calcolo asse vettore X locale*
MySd : *Momento flettente di calcolo asse vettore Y locale*
VxSd : *Taglio di calcolo in direzione dell'asse X locale*
VySd : *Taglio di calcolo in direzione dell'asse Y locale*
T Sd : *Torsione di calcolo*
N Rd : *Sforzo normale resistente ridotto per presenza dell'azione tagliante*
MxV.Rd : *Momento flettente resistente con asse vettore X locale ridotto per presenza di azione tagliante. Per le sezioni di classe 3 è sempre il momento limite elastico, per quelle di classe 1 e 2 è il momento plastico. Se inoltre la tipologia della sezione è doppio T, tubo tondo, tubo rettangolare e piatto, il momento è ridotto dall'eventuale presenza dello sforzo normale*
MyV.Rd : *Momento flettente resistente con asse vettore Y locale ridotto per presenza di azione tagliante. Vale quanto riportato per il dato precedente*
VxplRd : *Taglio resistente plastico in direzione dell'asse X locale*
VyplRd : *Taglio resistente plastico in direzione dell'asse X locale*
T Rd : *Torsione resistente*
fy rid : *Resistenza di calcolo del materiale ridotta per presenza dell'azione tagliante*
Rap % : *Rapporto di verifica moltiplicato per 100. Sezione verificata per valori minori o uguali a 100. La formula utilizzata in verifica è la n.ro 6.41 di EC3. Tale formula nel caso di sezione a doppio T coincide con le formule del DM 2008 n.ro 4.2.39 e del DM 2018 n.ro 4.2.39.*
Sez.N : *Numero di archivio della sezione*
Ac : *Coefficiente di amplificazione dei carichi statici. Sostituisce il dato 'Sez.N.' se l'incremento dei carichi statici è maggiore di 1*
Qn : *Carico distribuito normale all'asse della trave in kg/m, incluso il peso proprio*
Asta : *Numerazione dell'asta*

Per le strutture dissipative, nei pilastri, sono stati tenuti in conto i fattori di sovraresistenza riportati nella Tab. 7.5.I delle NTC 2008 e par 7.5.1 delle NTC2018
L'ultima riga delle quattro relative a ciascuna asta, si riferisce ai valori utili ad effettuare le verifiche di instabilità:

l : *Lunghezza della trave*
β*l : *Lunghezza libera di inflessione*
clas. : *Classe di verifica della trave*
ε : *(235/fy)^(1/2). Se il valore e' maggiore di 1 significa che il programma ha classificato la sezione, originariamente di classe 4, come sezione di classe 3 secondo il comma (9) del punto 5.5.2 dell'EC3 in base alla tensione di compressione massima. Per tali aste non sono state effettuate le verifiche di instabilita' come previsto nel comma (10)*

dell'EC3 (vedi anche pto C4.2.3.1).

Lmd : *Snellezza lambda*

R%pf : *Rapporto di verifica per l'instabilità alla presso-flessione moltiplicato per 100 determinato dalla formula [C4.2.32]. Sezione verificata per valori minori o uguali a 100*

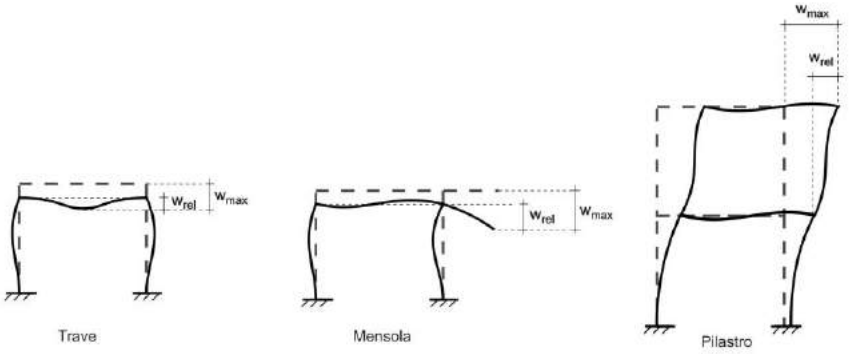
R%ft : *Rapporto di verifica per l'instabilità flesso-torsionale moltiplicato per 100 determinato dalla formula [C4.2.36]*

Wmax : *Spostamento massimo*

Wrel : *Spostamento relativo, depurato dalla traslazione rigida dei nodi*

Wlim : *Spostamento limite*

Gli spostamenti Wmax e Wrel, essendo legati alle verifiche di esercizio, sono calcolati combinando i canali di carico con i coefficienti delle matrici SLE.
Per una più agevole comprensione del significato dei dati Wmax e Wrel, si può fare riferimento alla figura seguente:



Quindi ai fini della verifica è sufficiente che risulti Wrel<=Wlim, essendo del tutto normale che l'asta possa risultare verificata anche con Wmax>Wlim.

Se:

Rap % : *111 La sezione non verifica per taglio elevato*

Rap % : *444 Sezione non verificata in automatico perché di classe 4*

Per le sezioni in legno vengono modificate le seguenti colonne:

N Rd → σ_n : *Tensione normale dovuta a sforzo normale*

MxV.Rd → σM_x : *Tensione normale dovuta a momento Mx*

MyV.Rd → σM_y : *Tensione normale dovuta a momento My*

VxplRd → τ_x : *Tensione tangenziale dovuta a taglio Tx*

VyplRd → τ_y : *Tensione tangenziale dovuta a taglio Ty*

T Rd → τM_t : *Tensione tangenziale da momento torcente*

fy rid → Rapp. Fless : *Rapporto di verifica per la flessione composta secondo le formule dei DM 2008/2018 [4.4.6a], [4.4.6b], [4.4.7a], [4.4.7b]. Viene riportato il valore più alto fra tutte le varie combinazioni e si intende verificato, come tutti gli altri rapporti, se il valore è minore di uno*

Rap % → Rapp.Taglio : *Rapporto di verifica per il taglio o la torsione secondo le formule dei DM 2008/2018 [4.4.8], [4.4.9] avendo sovrapposto gli effetti con la [4.4.10] nel caso di taglio e torsione agenti contemporaneamente*

clas. → KcC : *Coefficiente di instabilità di colonna ($K_{crit,c}$) determinato dalle formule dei DM 2008/2018 [4.4.15]*

lmd → KcM : *Coefficiente di instabilità di trave ($K_{crit,m}$) determinato dalle formule dei DM 2008/2018 [4.4.12]*

R%pf → Rx : *Rapporto globale di verifica di instabilità che tiene in conto sia dell'instabilità di colonna che quella di trave; il coefficiente Km è applicato al termine del momento Y*

R%ft → Ry : *Rapporto globale di verifica di instabilità che tiene in conto sia dell'instabilità di colonna che quella di trave; il coefficiente Km è applicato al termine del momento X*

Gli spostamenti Wmax e Wrel sono calcolati secondo le formule [2.2] e [2.3] dell'Eurocodice 5. In particolare si sommano gli spostamenti istantanei delle combinazioni SLE Rare con quelli a tempo infinito delle combinazioni SLE Quasi Permanenti. Quindi indicando con U^P gli spostamenti istantanei dei carichi permanenti e con U^Q quelli dei carichi variabili lo spostamento finale vale:

$$U_{fin} = U^P + K_{def} * U^P + U^Q + K_{def} * ø_2 * U^Q$$

- **SPECIFICHE CAMPI TABELLA DI STAMPA**

Si riporta appresso la spiegazione delle sigle usate nella tabella di verifica aste in cls per le quali è necessario effettuare la verifica di stabilità per elementi snelli. Le eccentricità aggiuntive sono state tenute in conto nel progetto delle armature in fase di verifica per le varie combinazioni di calcolo.

Asta 3D : *Numero dell'asta spaziale*

Filo Iniz : *Numero del filo del nodo iniziale*

Quota Iniz : *Quota del nodo iniziale*

Filo Fina. : *Numero del filo del nodo finale*

Quota Iniz. : *Quota del nodo finale*

Lambda Eleme. : *Lambda dell'elemento strutturale*

Lambda Minimo : *Lambda minimo di controllo; se lambda dell'elemento strutturale supera lambda minimo di controllo si attiva la verifica di instabilità; valore calcolato come da formula 5.13N dell'eurocodice 2 (punto 5.8.3.1) o anche 4.1.33 del DM2008.*

Sf. Nor. : *Sforzo normale di calcolo*

Ecc. E X/Y : *Eccentricità equivalente rispetto all'asse X e Y calcolata come da formula 5.32 dell'Eurocodice 2 (punto 5.8.8.2(2)).*

Ecc. A X/Y : *Eccentricità aggiuntiva dovuta alle imperfezioni rispetto all'asse X e Y calcolata come da formula 5.2 dell'Eurocodice 2 (punto 5.2(7 a)).*

Ecc. 2 X/Y : *Eccentricità del secondo ordine rispetto all'asse X e Y calcolata dalle curvature della sezione; come da formula 5.33 dell'Eurocodice 2 (punto 5.8.8.2(3)).*

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
26	1.40	1	25	1	1	-5.9	0.0	0.0	35	3	2	17.4	3.0	1	0.0	4.3	0.0	17.2	43.2	10.6	0.0	10	10	0.0	9	52	8
35	1.40	/	30	3	1	-5.9	0.0	0.0	35	3	2	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	5	70	5	1	-4.6	0.0	0.0	35	2	1	17.4	3.0	1	0.0	3.7	0.0	17.2	43.2	10.6	0.0	9	9	0.0	9	52	8
35	1.40	1	5	1	2	-0.2	0.0	0.0	31	1	0	7.1	3.1	2	0.0	0.2	0.0	23.7	13.3	4.0	0.0	1	1	0.0	12	24	8
34	1.40	/	40	3	2	-0.1	0.0	0.0	31	0	0	7.1	3.1	2	0.0	0.1	0.0	23.7	13.3	4.0	0.0	0	0	0.0	12	68	8
2.48	1.00	5	24	5	1	-0.1	0.0	0.0	31	0	0	7.1	3.1	1	0.0	-0.1	0.0	23.7	13.3	4.0	0.0	1	1	0.0	12	24	8
100	1.40	1	25	1	1	-6.2	0.0	0.0	35	3	2	17.4	3.0	1	0.0	7.0	0.0	17.2	43.2	10.6	0.0	16	16	0.0	9	30	8
25	1.40	/	30	3	1	-6.2	0.0	0.0	35	3	2	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	2	70	5	1	-6.2	0.0	0.0	35	3	2	17.4	3.0	1	0.0	6.7	0.0	17.2	43.2	10.6	0.0	15	15	0.0	9	30	8
25	1.40	1	25	1	1	6.1	0.0	0.0	14	12	2	17.4	3.0	1	0.0	-15.3	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	26	8
119	1.40	/	30	3	1	6.1	0.0	0.0	12	15	2	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	2	70	5	1	-2.0	0.0	0.0	35	1	1	17.4	3.0	1	0.0	-15.5	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	26	8
119	1.40	1	25	1	1	-0.7	0.0	0.0	35	0	0	17.4	3.0	1	0.0	0.7	0.0	10.4	26.1	6.4	0.0	2	3	0.0	20	52	8
34	1.40	/	30	3	1	-0.7	0.0	0.0	35	0	0	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00	4	70	5	1	-0.6	0.0	0.0	35	0	0	17.4	3.0	1	0.0	0.1	0.0	10.4	26.1	6.4	0.0	0	0	0.0	20	52	8
1	1.40		25	1	1	-8.8	0.0	0.0	33	5	3	14.3	3.0	1	0.0	10.5	0.0	17.2	43.2	10.6	0.0	24	24	0.0	9	70	8
10	1.40		30	3	1	4.7	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-9.2	0.0	0.0	35	4	3	17.4	3.0	1	0.0	-10.6	0.0	17.2	43.2	10.6	0.0	25	25	0.0	9	70	8
10	1.40		25	1	1	-9.9	0.0	0.0	35	5	3	17.4	3.0	1	0.0	11.0	0.0	17.2	43.2	10.6	0.0	25	25	0.0	9	70	8
19	1.40		30	3	1	5.0	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-9.8	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-10.9	0.0	17.2	43.2	10.6	0.0	25	25	0.0	9	70	8
19	1.40		25	1	1	-9.3	0.0	0.0	35	4	3	17.4	3.0	1	0.0	10.7	0.0	17.2	43.2	10.6	0.0	25	25	0.0	9	70	8
28	1.40		30	3	1	4.7	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.2	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	380	8
1.86	1.00		70	5	1	-8.7	0.0	0.0	33	5	3	14.3	3.0	1	0.0	-10.4	0.0	17.2	43.2	10.6	0.0	24	24	0.0	9	70	8
2	1.40		25	1	1	-14.3	0.0	0.0	32	8	4	14.3	3.0	1	0.0	17.0	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
11	1.40		30	3	1	7.7	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-15.1	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-17.4	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
3	1.40		25	1	1	-14.1	0.0	0.0	33	8	4	14.3	3.0	1	0.0	16.9	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
12	1.40		30	3	1	7.6	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-14.9	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-17.1	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
4	1.40		25	1	1	-14.0	0.0	0.0	33	8	4	14.3	3.0	1	0.0	16.8	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
13	1.40		30	3	1	7.6	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-15.0	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-17.2	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
5	1.40		25	1	1	-13.8	0.0	0.0	33	8	4	14.3	3.0	1	0.0	16.7	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
14	1.40		30	3	1	7.6	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-15.0	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-17.2	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
6	1.40		25	1	1	-14.7	0.0	0.0	35	7	4	17.4	3.0	1	0.0	16.8	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
15	1.40		30	3	1	7.2	0.0	0.0	28	6	3	2.3	9.1	1	0.0	0.2	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	380	8
1.86	1.00		70	5	1	-14.4	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-16.7	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
7	1.40		25	1	1	-16.3	0.0	0.0	35	8	4	17.4	3.0	1	0.0	17.6	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
16	1.40		30	3	1	7.7	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.5	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	395	8
1.86	1.00		70	5	1	-14.7	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-17.1	0.0	17.2	43.2	10.6	0.0	39	40	0.0	9	70	8
8	1.40		25	1	1	-15.1	0.0	0.0	35	7	4	17.4	3.0	1	0.0	17.2	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
17	1.40		30	3	1	7.4	0.0	0.0	28	6	3	2.3	9.1	1	0.0	0.2	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	380	8
1.86	1.00		70	5	1	-14.7	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-17.1	0.0	17.2	43.2	10.6	0.0	39	40	0.0	9	70	8
9	1.40		25	1	1	-8.9	0.0	0.0	33	5	3	14.3	3.0	1	0.0	10.5	0.0	17.2	43.2	10.6	0.0	24	24	0.0	9	70	8
18	1.40		30	3	1	4.7	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-9.1	0.0	0.0	35	4	3	17.4	3.0	1	0.0	-10.6	0.0	17.2	43.2	10.6	0.0	24	25	0.0	9	70	8
11	1.40		25	1	1	-16.1	0.0	0.0	35	7	4	17.4	3.0	1	0.0	17.9	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
20	1.40		30	3	1	8.1	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-16.0	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-17.8	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
12	1.40		25	1	1	-16.1	0.0	0.0	35	7	4	17.4	3.0	1	0.0	17.8	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
21	1.40		30	3	1	8.1	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	400	8
1.86	1.00		70	5	1	-15.4	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-17.5	0.0	17.2	43.2	10.6	0.0	40	41	0.0	9	70	8
13	1.40		25	1	1	-16.1	0.0	0.0	35	7	4	17.4	3.0	1	0.0	17.8	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
22	1.40		30	3	1	8.1	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	400	8
1.86	1.00		70	5	1	-15.5	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-17.6	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
14	1.40		25	1	1	-15.9	0.0	0.0	35	7	4	17.4	3.0	1	0.0	17.6	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
23	1.40		30	3	1	7.9	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-15.7	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-17.5	0.0	17.2	43.2	10.6	0.0	40	41	0.0	9	70	8
15	1.40		25	1	1	-15.8	0.0	0.0	35	7	4	17.4	3.0	1	0.0	17.5	0.0	17.2	43.2	10.6	0.0	40	41	0.0	9	70	8
24	1.40		30	3	1	7.9	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	400	8
1.86	1.00		70	5	1	-15.2	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-17.3	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
16	1.40		25	1	1	-11.0	0.0	0.0	35	5	3	17.4	3.0	1	0.0	14.6	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
100	1.40		30	3	1	5.4	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	285	8
1.86	1.00		70	5	1	-7.8	0.0	0.0	35	4	2	17.4	3.0	1	0.0	-13.1	0.0	17.2	43.2	10.6	0.0	30	30	0.0	9	70	8
17	1.40		25	1	1	-17.5	0.0	0.0	35	8	5	17.4	3.0	1	0.0	18.3	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
26	1.40		30	3	1	8.7	0.0	0.0	28	7	3	2.3	9.1	1	0.0	1.0	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	400	8
1.86	1.00		70	5	1	-12.0	0.0	0.0	35	6	3	17.4	3.0	1	0.0	-16.3	0.0	17.2	43.2	10.6	0.0	38	38	0.0	9	70	8
18	1.40		25	1	1	-10.0	0.0	0.0	35	5	3	17.4	3.0	1	0.0	11.0	0.0	17.2	43.2	10.6	0.0	25	26	0.0	9	70	8
27	1.40		30	3	1	5.0	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-9.7	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-10.9	0.0	17.2	43.2	10.6	0.0	25	25	0.0	9	70	8
20	1.40		25	1	1	-15.3	0.0	0.0	35	7	4	17.4	3.0	1	0.0	17.4	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
29	1.40		30	3	1	7.7	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	380	8
1.86	1.00		70	5	1	-14.1	0.0	0.0	32	8	4	14.3	3.0	1	0.0	-17.0	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
21	1.40		25	1	1	-9.8	0.0	0.0	35	5	3	17.4	3.0	1	0.0	12.7	0.0	17.2	43.2	10.6	0.0	29	29	0.0	9	53	8
116	1.40		30	3	1	-9.8	0.0	0.0	35	5	3	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-6.2	0.0	0.0	35	3	2	17.4	3.0	1	0.0	5.8	0.0	17.2	43.2	10.6	0.0	13	13	0.0	9	53	8
22	1.40		25	1	1	-10.9	0.0	0.0	35	5	3	17.4	3.0	1	0.0	14.5	0.0	17.2	43.2	10.6	0.0	33	34	0.0	9	53	8
117	1.40		30	3	1	-10.9	0.0	0.0	35	5	3	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.7	0.0	0.0	12	2	0	17.4	3.0	1	0.0	7.6	0.0	17.2	43.2	10.6	0.0	18	18	0.0	9	53	8
23	1.40		25	1	1	-15.1	0.0	0.0	35	7	4	17.4	3.0	1	0.0	17.2	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
32	1.40		30	3	1	7.6	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	380	8
1.86	1.00		70	5	1	-13.8	0.0	0.0	33	8	4	14.3	3.0	1	0.0	-16.7	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
24	1.40		25	1	1	-8.3	0.0	0.0	35	4	2	17.4	3.0	1	0.0	11.7	0.0	17.2	43.2	10.6	0.0	27	27	0.0	9	53	8
118	1.40		30	3	1	-8.3	0.0	0.0	35	4	2	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.4	0.0	0.0	12	1	0	17.4	3.0	1	0.0	4.9	0.0	17.2	43.2	10.6	0.0	11	11	0.0	9	53	8
138	1.40		5	1	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8
139	1.40		40	3	1	0.0	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	112	8
2.5	1.00		24	5	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8
139	1.40		5	1	1	-1.7	0.0	0.0	29	7	4	6.8	6.8	1	0.0	3.6	0.0	14.4	8.1	2.5	0.0	27	45	0.0	20	24	8
117	1.40		40	3	1	0.8	0.0	0.0	29	3	2	6.8	6.8	1	0.0	0.8	0.0	14.4	8.1	2.5	0.0	6	10	0.0	20	172	8
2.5	1.00		24	5	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-2.1	0.0	14.4	8.1	2.5	0.0	16	26	0.0	20	24	8
27	1.40		25	1	1	-9.4	0.0	0.0	35	4	3	17.4	3.0	1	0.0	10.7	0.0	17.2	43.2	10.6	0.0	25	25	0.0	9	70	8
36	1.40		30	3	1	4.7	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.2	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	380	8
1.86	1.00		70	5	1	-8.6	0.0	0.0	33	5	3	14.3	3.0	1	0.0	-10.4	0.0	17.2	43.2	10.6	0.0	24	24	0.0	9	70	8
1	1.40		5	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
2	1.40		40	3	2	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
2	1.40		5	1	2	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
3	1.40		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
3	1.40		5	1	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
4	1.40		40	3	2	0.9	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	522	8
2.48	1.00		24	5	1	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
4	1.40		5	1	2	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
5	1.40		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
5	1.40		5	1	1	-1.8	0.0	0.0	31	7	4	7.1	3.1	1	0.0	1.9	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
6	1.40		40	3	1	0.9	0.0	0.0	31	3	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	517	8
2.48	1.00		24	5	2	-1.8	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-1.9	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
6	1.40		5	1	2	-0.6	0.0	0.0	31	2	1	7.1	3.1	1	0.0	0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
7	1.40		40	3	2	0.3	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	512	8
2.48	1.00		24	5	1	-0.6	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
7	1.40		5	1	1	-0.6	0.0	0.0	31	2	1	7.1	3.1	1	0.0	0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
8	1.40		40	3	1	0.3	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	522	8
2.48	1.00		24	5	2	-0.7	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
8	1.40		5	1	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
9	1.40		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
28	1.40		5	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
29	1.40		40	3	2	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
29	1.40		5	1	2	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
30	1.40		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
37	1.40		25	1	1	-11.1	0.0	0.0	35	5	3	17.4	3.0	1	0.0	11.4	0.0	17.2	43.2	10.6	0.0	26	26	0.0	9	70	8
6	1.40		30	3	1	5.4	0.0	0.0	28	5	2	2.3	9.1	2	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	430	8
1.86	1.00		70	5	1	-10.4	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-11.2	0.0	17.2	43.2	10.6	0.0	26	26	0.0	9	70	8
31	1.40		5	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
32	1.40		40	3	2	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-2.0	0.0	0.0	31	7	4	7.1	3.1	2	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
32	1.40		5	1	2	-1.8	0.0	0.0	31	7	4	7.1	3.1	1	0.0	1.9	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
33	1.40		40	3	1	0.9	0.0	0.0	31	3	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	517	8
2.48	1.00		24	5	1	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
43	1.40		25	1	1	-9.1	0.0	0.0	33	5	3	14.3	3.0	1	0.0	10.8	0.0	17.2	43.2	10.6	0.0	25	25	0.0	9	70	8
37	1.40		30	3	1	5.6	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-0.3	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	420	8
1.86	1.00		70	5	1	-10.9	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-11.5	0.0	17.2	43.2	10.6	0.0	26	26	0.0	9	70	8
35	1.40		5	1	2	-1.8	0.0	0.0	31	7	4	7.1	3.1	2	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
36	1.40		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	1	0.0	20	537	8
2.48	1.00		24	5	1	-2.0	0.0	0.0	31	8	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
38	1.40		25	1	1	-17.9	0.0	0.0	35	8	5	17.4	3.0	1	0.0	18.7	0.0	17.2	43.2	10.6	0.0	43	43	0.0	9	70	8
7	1.40		30	3	1	8.8	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	425	8
1.86	1.00		70	5	1	-16.7	0.0	0.0	35	8	5	17.4	3.0	1	0.0	-18.3	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
44	1.40		25	1	1	-14.1	0.0	0.0	32	8	4	14.3	3.0	1	0.0	17.4	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
38	1.40		30	3	1	9.1	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-0.7	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	415	8
1.86	1.00		70	5	1	-18.0	0.0	0.0	35	8	5	17.4	3.0	1	0.0	-18.8	0.0	17.2	43.2	10.6	0.0	43	43	0.0	9	70	8
39	1.40		25	1	1	-11.3	0.0	0.0	35	5	3	17.4	3.0	1	0.0	11.6	0.0	17.2	43.2	10.6	0.0	27	27	0.0	9	70	8
8	1.40		30	3	1	5.5	0.0	0.0	28	5	2	2.3	9.1	2	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	430	8
1.86	1.00		70	5	1	-10.5	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-11.3	0.0	17.2	43.2	10.6	0.0	26	26	0.0	9	70	8
45	1.40		25	1	1	-9.1	0.0	0.0	33	5	3	14.3	3.0	1	0.0	10.9	0.0	17.2	43.2	10.6	0.0	25	25	0.0	9	70	8
39	1.40		30	3	1	5.7	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	420	8
1.86	1.00		70	5	1	-11.1	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-11.7	0.0	17.2	43.2	10.6	0.0	27	27	0.0	9	70	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
43	1.40		5	1	1	-0.6	0.0	0.0	31	2	1	7.1	3.1	1	0.0	0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
44	1.40		40	3	1	0.3	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	522	8
2.48	1.00		24	5	2	-0.7	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
44	1.40		5	1	2	-0.7	0.0	0.0	31	3	1	7.1	3.1	1	0.0	0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
45	1.40		40	3	1	0.3	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	532	8
2.48	1.00		24	5	1	-0.7	0.0	0.0	31	3	1	7.1	3.1	1	0.0	-0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
116	1.40		5	1	1	0.0	0.0	0.0	29	0	0	6.8	6.8	2	0.0	0.1	0.0	14.4	8.1	2.5	0.0	1	1	0.0	20	24	8
138	1.40		40	3	1	-0.1	0.0	0.0	29	1	0	6.8	6.8	1	0.0	-0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	172	8
2.5	1.00		24	5	1	-0.4	0.0	0.0	29	1	1	6.8	6.8	1	0.0	-0.4	0.0	14.4	8.1	2.5	0.0	3	6	0.0	20	24	8
24	1.40		5	1	1	-3.0	0.0	0.0	30	12	6	6.8	6.8	1	0.0	3.1	0.0	14.4	8.1	2.5	0.0	24	39	0.0	20	24	8
25	1.40		40	3	1	1.5	0.0	0.0	29	6	3	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	522	8
2.5	1.00		24	5	1	-2.9	0.0	0.0	30	11	6	6.8	6.8	1	0.0	-3.1	0.0	14.4	8.1	2.5	0.0	23	38	0.0	20	24	8
116	1.40		25	1	1	-0.2	0.0	0.0	35	0	0	17.4	3.0	1	0.0	5.7	0.0	10.4	26.1	6.4	0.0	18	22	0.0	20	70	8
30	1.40		30	3	1	4.3	0.0	0.0	28	4	1	2.3	9.1	1	0.0	-1.8	0.0	10.4	26.1	6.4	0.0	6	7	0.0	20	275	8
2.5	1.00		70	5	1	-8.1	0.0	0.0	33	5	2	14.3	3.0	1	0.0	-9.5	0.0	30.0	32.2	3.6	0.0	29	16	0.0	9	70	8
117	1.40		25	1	1	3.3	0.0	0.0	12	8	1	17.4	3.0	1	0.0	5.5	0.0	10.4	26.1	6.4	0.0	17	21	0.0	20	70	8
31	1.40		30	3	1	4.4	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-2.0	0.0	10.4	26.1	6.4	0.0	6	8	0.0	20	275	8
2.5	1.00		70	5	1	-8.4	0.0	0.0	33	5	2	14.3	3.0	1	0.0	-9.7	0.0	30.0	32.2	3.6	0.0	30	17	0.0	9	70	8
118	1.40		25	1	1	3.0	0.0	0.0	12	7	1	17.4	3.0	1	0.0	4.9	0.0	10.4	26.1	6.4	0.0	15	19	0.0	20	70	8
165	1.40		30	3	1	3.8	0.0	0.0	28	3	1	2.3	9.1	1	0.0	-2.1	0.0	10.4	26.1	6.4	0.0	6	8	0.0	20	250	8
2.5	1.00		70	5	1	-7.6	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-9.0	0.0	30.0	32.2	3.6	0.0	28	16	0.0	9	70	8
165	1.40		32	1	1	-0.3	0.2	0.0	25	1	0	7.7	7.7	1	0.2	0.6	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
142	1.40		70	3	1	0.1	-0.2	0.0	25	0	0	7.7	7.7	1	0.2	0.1	0.0	38.3	33.9	4.3	0.0	1	1	0.0	15	197	8
2.5	1.00		24	5	2	-0.1	-0.2	0.0	25	0	0	7.7	7.7	1	0.2	-0.4	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
142	1.40		32	1	2	-0.2	-0.2	0.0	25	1	0	7.7	7.7	1	-0.2	0.4	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
166	1.40		70	3	2	0.1	-0.1	0.0	25	0	0	7.7	7.7	1	-0.2	-0.1	0.0	38.3	33.9	4.3	0.0	1	0	0.0	15	197	8
2.5	1.00		24	5	1	-0.3	0.2	0.0	25	1	0	7.7	7.7	1	-0.2	-0.6	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
134	3.98		2	1	1	-0.3	0.0	0.0	20	2	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
129	3.98		30	3	1	-4.6	0.0	0.0	29	11	5	6.2	2.3	1	0.0	-3.6	0.0	10.4	14.4	3.4	0.4	20	25	2.3	20	110	8
2.5	1.00		40	5	1	-6.8	0.0	0.0	30	16	8	6.2	2.3	1	0.0	-7.1	0.0	10.4	14.4	3.4	0.4	40	50	2.3	20	40	8
129	3.98		2	1	1	-0.1	0.0	0.3	19	0	0	6.2	2.3	1	0.0	0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
130	2.26		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.0	0	0	0.0	20	169	8
2.5	1.00		40	5	1	-0.1	0.0	-0.3	38	0	0	6.2	2.3	1	0.0	-0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
130	2.26		2	1	1	-6.8	0.0	0.0	30	16	8	6.2	2.3	1	0.0	7.1	0.0	10.4	14.4	3.4	0.4	40	50	2.3	20	40	8
135	2.26		30	3	1	-4.6	0.0	0.0	29	11	5	6.2	2.3	1	0.0	3.6	0.0	10.4	14.4	3.4	0.4	20	25	2.3	20	110	8
2.5	1.00		40	5	1	-0.3	0.0	0.0	20	2	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
132	3.98		2	1	1	-0.1	0.0	0.3	19	0	0	6.2	2.3	1	0.0	0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
133	2.26		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.0	0	0	0.0	20	169	8
2.5	1.00		40	5	1	-0.1	0.0	-0.3	38	0	0	6.2	2.3	1	0.0	-0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
133	2.26		2	1	1	-6.7	0.0	0.0	30	16	8	6.2	2.3	1	0.0	7.1	0.0	10.4	14.4	3.4	0.4	40	49	2.3	20	40	8
137	2.26		30	3	1	-4.6	0.0	0.0	29	11	5	6.2	2.3	1	0.0	3.5	0.0	10.4	14.4	3.4	0.4	20	25	2.3	20	110	8
2.5	1.00		40	5	1	-0.3	0.0	0.0	20	2	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
136	3.98		2	1	1	-0.3	0.0	0.0	20	2	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
132	3.98		30	3	1	-4.6	0.0	0.0	29	11	5	6.2	2.3	1	0.0	-3.5	0.0	10.4	14.4	3.4	0.4	20	25	2.3	20	110	8
2.5	1.00		40	5	1	-6.7	0.0	0.0	30	16	8	6.2	2.3	1	0.0	-7.1	0.0	10.4	14.4	3.4	0.4	40	49	2.3	20	40	8
55	4.84		25	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-2.1	-1.2	40.4	43.3	4.8	2.2	30	16	6.8	9	20	8
1	4.84		30	3	1	-1.2	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0	0	6.8	9	0	8
1.86	1.00		70	5	1	-1.2	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-3.8	-1.2	40.4	43.3	4.8	2.2	34	20	6.8	9	20	8
19	4.84		25	1	1	-11.2	0.0	0.0	35	5	3	16.6	3.0	1	0.0	12.9	0.0	30.0	32.2	3.6	0.0	40	22	0.0	9	70	8
114	4.84		30	3	1	5.8	0.0	0.0	12	14	2	17.4	3.0	1	0.0	5.8	0.0	30.0	32.2	3.6	0.0	18	10	0.0	9	150	8
2.5	1.00		70	5	1	5.6	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-1.3	0.0	10.4	26.1	6.4	0.0	4	5	0.0	20	70	8
56	4.84		25	1	1	-1.2	0.0	0.0	32	1	0	14.3	3.0	2	0.0	-2.1	1.3	40.4	43.3	4.8	2.2	31	17	6.8	9	20	8
2	4.84		30	3	1	-1.2	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0	0	6.8	9	0	8
1.86	1.00		70	5	1	-1.2	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-3.8	1.3	40.4	43.3	4.8	2.2	35	21	6.8	9	20	8
57	4.84		25	1	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-1.8	-0.9	40.4	43.3	4.8	1.4	23	13	4.5	9	20	8
3	4.84		30	3	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-3.4	-0.9	40.4	43.3	4.8	1.4	27	16	4.5	9	20	8
58	4.84		25	1	1	-7.0	0.0	0.0	34	3	2	16.6	3.0	1	0.0	-9.2	0.0	17.2	43.2	10.6	0.0	21	21	0.0	9	20	8
4	4.84		30	3	1	-7.0	0.0	0.0	34	3	2	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-7.0	0.0	0.0	34	3	2	16.6	3.0	1	0.0	-11.8	0.0	17.2	43.2	10.6	0.0	27	27	0.0	9	20	8
59	4.84		25	1	1	-12.8	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-11.7	0.0	17.2	43.2	10.6	0.0	27	27	0.0	9	20	8
5	4.84		30	3	1	-12.8	0.0	0.0	35	6	4	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-12.8	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-14.3	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	20	8
6	4.84		25	1	1	-15.6	0.0	0.0	34	8	4	16.6	3.0	1	0.0	17.3	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
15	4.84		30	3	1	7.6	0.0	0.0	28	7	3	2.3	9.1	2	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	395	8
1.86	1.00		70	5	1	-15.3	0.0	0.0	34	7	4	16.6	3.0	1	0.0	-17.2	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
7	4.84		25	1	1	-15.0	0.0	0.0	34	7	4	16.6	3.0	1	0.0	17.6	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
16	4.84		30	3	1	8.7	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-0.3	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	410	8
1.86	1.00		70	5	1	-16.6	0.0	0.0	34	8	5	16.6	3.0	1	0.0	-18.1	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
62	4.84		25	1	1	-7.0	0.0	0.0	34	3	2	16.6	3.0	1	0.0	-7.3	-1.2	40.4	43.3	4.8	2.2	42	28	6.8	9	20	8
8	4.84		30	3	1	-7.0	0.0	0.0	34	3	2	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0	0	6.8	9	0	8
1.86	1.00		70	5	1	-7.0	0.0	0.0	34	3	2	16.6	3.0	1	0.0	-9.6	-1.2	40.4	43.3	4.8	2.2	47	34	6.8	9	20	8
63	4.84		25	1	1	-1.2	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-2.1	1.2	40.4	43.3	4.8	2.2	30	16	6.8	9	20	8
9	4.84		30	3	1	-1.2	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0	0	6.8	9	0	8
1.86	1.00		70	5	1	-1.2	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-3.7	1.2	40.4	43.3	4.8	2.2	34	20	6.8	9	20	8
11	4.84		25	1	1	-16.6	0.0	0.0	34	8	5	16.6	3.0	1	0.0	18.2	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
20	4.84		30	3	1	8.3	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	410	8
1.86	1.00		70	5	1	-16.8	0.0	0.0	34	8	5	16.6	3.0	1	0.0	-18.2	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
12	4.84		25	1	1	-17.0	0.0	0.0	34	8	5	16.6	3.0	1	0.0	18.3	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
21	4.84		30	3	1	8.7	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	410	8
1.86	1.00		70	5	1	-15.1	0.0	0.0	34	7	4	16.6	3.0	1	0.0	-17.6	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
13	4.84		25	1	1	-16.8	0.0	0.0	34	8	5	16.6	3.0	1	0.0	18.3	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
22	4.84		30	3	1	8.8	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	410	8
1.86	1.00		70	5	1	-15.1	0.0	0.0	34	7	4	16.6	3.0	1	0.0	-17.7	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
14	4.84		25	1	1	-16.0	0.0	0.0	34	8	4	16.6	3.0	1	0.0	17.8	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
23	4.84		30	3	1	8.4	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	410	8
1.86	1.00		70	5	1	-16.6	0.0	0.0	34	8	5	16.6	3.0	1	0.0	-18.0	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
15	4.84		25	1	1	-16.6	0.0	0.0	34	8	5	16.6	3.0	1	0.0	18.0	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
24	4.84		30	3	1	8.6	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	410	8
1.86	1.00		70	5	1	-14.9	0.0	0.0	34	7	4	16.6	3.0	1	0.0	-17.4	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
16	4.84		25	1	1	-17.1	0.0	0.0	34	8	5	16.6	3.0	1	0.0	18.4	0.0	17.2	43.2	10.6	0.0	42	43	0.0	9	70	8
25	4.84		30	3	1	8.8	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	415	8
1.86	1.00		70	5	1	-15.4	0.0	0.0	34	8	4	16.6	3.0	1	0.0	-17.8	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
17	4.84		25	1	1	-16.7	0.0	0.0	34	8	5	16.6	3.0	1	0.0	18.1	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
26	4.84		30	3	1	8.2	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	410	8
1.86	1.00		70	5	1	-16.7	0.0	0.0	34	8	5	16.6	3.0	1	0.0	-18.1	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
18	4.84		25	1	1	-11.8	0.0	0.0	35	6	3	16.6	3.0	1	0.0	12.9	0.0	30.0	32.2	3.6	0.0	40	22	0.0	9	70	8
140	4.84		30	3	1	-7.6	0.0	0.0	35	4	2	17.4	3.0	1	0.0	6.0	0.0	30.0	32.2	3.6	0.0	19	10	0.0	9	135	8
2.5	1.00		70	5	1	5.1	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-0.6	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	70	8
20	4.84		25	1	1	-16.8	0.0	0.0	34	8	5	16.6	3.0	1	0.0	18.5	0.0	17.2	43.2	10.6	0.0	43	43	0.0	9	70	8
29	4.84		30	3	1	9.0	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	395	8
1.86	1.00		70	5	1	-12.6	0.0	0.0	32	7	4	14.3	3.0	1	0.0	-16.9	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
21	4.84		25	1	1	-12.1	0.0	0.0	35	6	3	17.4	3.9	1	0.0	15.0	0.0	17.2	43.1	10.4	0.0	35	35	0.0	9	55	8
116	4.84		30	3	1	-12.1	0.0	0.0	35	6	3	17.4	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.5	0.0	0.0	14	1	0	17.4	3.9	1	0.0	7.8	0.0	17.2	43.1	10.4	0.0	18	18	0.0	9	55	8
22	4.84		25	1	1	-12.3	0.0	0.0	35	6	3	17.4	3.9	1	0.0	15.1	0.0	17.2	43.1	10.4	0.0	35	35	0.0	9	55	8
117	4.84		30	3	1	-12.3	0.0	0.0	35	6	3	17.4	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.4	0.0	0.0	14	1	0	17.4	3.9	1	0.0	7.9	0.0	17.2	43.1	10.4	0.0	18	18	0.0	9	55	8
23	4.84		25	1	1	-16.9	0.0	0.0	34	8	5	16.6	3.0	1	0.0	18.3	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
32	4.84		30	3	1	8.9	0.0	0.0	28	8	3	2.3	9.1	1	0.0	1.1	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	395	8
1.86	1.00		70	5	1	-12.1	0.0	0.0	32	7	4	14.3	3.0	1	0.0	-16.5	0.0	17.2	43.2	10.6	0.0	38	38	0.0	9	70	8
24	4.84		25	1	1	-7.1	0.0	0.0	35	3	2	17.4	3.9	1	0.0	11.2	0.0	17.2	43.1	10.4	1.4	26	26	4.5	9	55	8
118	4.84		30	3	1	-7.1	0.0	0.0	35	3	2	17.4	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	1.3	0.0	0.0	14	3	0	17.4	3.9	1	0.0	4.1	0.0	17.2	43.1	10.4	1.4	10	10	4.5	9	55	8
25	4.84		25	1	1	-7.8	0.0	0.0	35	4	2	17.4	3.9	1	0.0	11.6	0.0	17.2	43.1	10.4	1.4	27	27	4.5	9	55	8
119	4.84		30	3	1	-7.8	0.0	0.0	35	4	2	17.4	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	1.0	0.0	0.0	14	2	0	17.4	3.9	1	0.0	4.4	0.0	17.2	43.1	10.4	1.4	10	10	4.5	9	55	8
26	4.84		25	1	1	-16.8	0.0	0.0	34	8	5	16.6	3.0	1	0.0	18.5	0.0	17.2	43.2	10.6	0.0	43	43	0.0	9	70	8
35	4.84		30	3	1	9.3	0.0	0.0	28	8	3	2.3	9.1	1	0.0	1.1	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	395	8
1.86	1.00		70	5	1	-11.9	0.0	0.0	32	7	3	14.3	3.0	1	0.0	-16.7	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
27	4.84		25	1	1	-11.8	0.0	0.0	35	6	3	16.6	3.0	1	0.0	13.1	0.0	30.0	32.2	3.6	0.0	41	23	0.0	9	70	8
148	4.84		30	3	1	-8.6	0.0	0.0	35	4	2	17.4	3.0	1	0.0	6.8	0.0	30.0	32.2	3.6	0.0	21	12	0.0	9	115	8
2.5	1.00		70	5	1	5.6	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.5	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	70	8
55	4.84		5	1	1	-1.2	0.0	0.0	31	5	3	7.1	3.1	1	0.0	2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
56	4.84		40	3	2	2.0	0.0	0.0	31	8	4	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00		24	5	2	-1.3	0.0	0.0	31	5	3	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
2	4.84		5	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
3	4.84		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
57	4.84		5	1	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	13	14	0.0	12	24	8
58	4.84		40	3	2	1.5	0.0	0.0	31	5	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	3	0.0	20	552	8
2.48	1.00		24	5	2	-2.5	0.0	0.0	32	9	6	7.1	3.1	1	0.0	-2.3	0.0	23.7	13.3	4.0	0.0	17	18	0.0	12	24	8
58	4.84		5	1	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.2	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
59	4.84		40	3	1	1.1	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.1	0.0	14.2	8.0	2.4	0.0	1	1	0.0	20	567	8
2.48	1.00		24	5	1	-2.0	0.0	0.0	31	8	4	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
59	4.84		5	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
60	4.84		40	3	1	0.9	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	1	0.0	20	547	8
2.48	1.00		24	5	2	-2.3	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
60	4.84		5	1	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.3	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
61	4.84		40	3	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	3	0.0	20	552	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
7	4.84		5	1	1	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
8	4.84		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	527	8
2.48	1.00		24	5	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
62	4.84		5	1	2	-1.3	0.0	0.0	31	5	3	7.1	3.1	1	0.0	2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
63	4.84		40	3	1	2.0	0.0	0.0	31	8	4	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00		24	5	1	-1.2	0.0	0.0	31	5	3	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
46	4.84		5	1	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
47	4.84		40	3	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	567	8
2.48	1.00		24	5	2	-2.8	0.0	0.0	32	11	6	7.1	3.1	1	0.0	-2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
47	4.84		5	1	2	-2.8	0.0	0.0	32	11	6	7.1	3.1	1	0.0	2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
48	4.84		40	3	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	567	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
49	4.84		5	1	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
50	4.84		40	3	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	567	8
2.48	1.00		24	5	2	-2.7	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
50	4.84		5	1	2	-2.7	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
51	4.84		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	547	8
2.48	1.00		24	5	1	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
52	4.84		5	1	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
53	4.84		40	3	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	562	8
2.48	1.00		24	5	2	-2.7	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
53	4.84		5	1	2	-2.8	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
54	4.84		40	3	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	567	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
41	4.84		25	1	1	-0.8	0.0	0.0	32	0	0	14.3	3.0	1	0.0	4.6	0.0	17.2	43.2	10.6	0.0	11	11	0.0	9	70	8
40	4.84		30	3	1	4.4	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-1.2	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	435	8
1.86	1.00		70	5	1	-7.4	0.0	0.0	34	4	2	16.6	3.0	1	0.0	-6.9	0.0	17.2	43.2	10.6	0.0	16	16	0.0	9	70	8
41	4.84		25	1	1	-0.7	0.0	0.0	35	0	0	17.4	3.0	1	0.0	3.2	0.0	17.2	43.2	10.6	1.4	7	7	4.5	9	70	8
42	4.84		30	3	1	3.1	0.0	0.0	27	3	1	2.3	9.1	1	0.0	-0.8	0.0	7.8	19.4	4.8	1.4	2	4	4.5	20	445	8
1.86	1.00		70	5	1	-5.1	0.0	0.0	32	3	1	14.3	3.0	1	0.0	-4.7	0.0	17.2	43.2	10.6	1.4	11	11	4.5	9	70	8
60	4.84		25	1	1	-10.0	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-12.7	0.0	17.2	43.2	10.6	0.0	29	29	0.0	9	20	8
6	4.84		30	3	1	-10.0	0.0	0.0	35	5	3	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-10.0	0.0	0.0	34	5	3	16.6	3.0	1	0.0	-15.2	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	20	8
61	4.84		25	1	1	-10.6	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-10.6	0.9	40.4	43.3	4.8	1.4	43	33	4.5	9	20	8
7	4.84		30	3	1	-10.6	0.0	0.0	35	5	3	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	-10.6	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-13.0	0.9	40.4	43.3	4.8	1.4	48	38	4.5	9	20	8
39	4.84		25	1	1	-7.7	0.0	0.0	35	4	2	16.6	3.0	1	0.0	6.7	0.0	17.2	43.2	10.6	0.0	16	16	0.0	9	70	8
62	4.84		30	3	2	2.5	0.0	0.0	27	2	1	2.3	9.1	2	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	395	8
1.86	1.00		70	5	1	-3.6	0.0	0.0	34	2	1	16.6	3.0	1	0.0	-5.2	0.0	17.2	43.2	10.6	0.0	12	12	0.0	9	70	8
43	4.84		5	1	1	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
44	4.84		40	3	2	0.3	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	522	8
2.48	1.00		24	5	2	-0.6	0.0	0.0	31	2	1	7.1	3.1	2	0.0	-0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
44	4.84		5	1	1	-0.7	0.0	0.0	31	3	2	7.1	3.1	1	0.0	0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
45	4.84		40	3	1	0.4	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	532	8
2.48	1.00		24	5	2	-0.6	0.0	0.0	31	2	1	7.1	3.1	2	0.0	-0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
42	4.84		25	1	1	-5.2	0.0	0.0	32	3	2	14.3	3.0	1	0.0	4.5	0.0	17.2	43.2	10.6	1.4	10	10	4.5	9	70	8
43	4.84		30	3	1	2.4	0.0	0.0	27	2	1	2.3	9.1	1	0.0	0.7	0.0	7.8	19.4	4.8	1.4	2	4	4.5	20	425	8
1.86	1.00		70	5	2	-0.9	0.0	0.0	35	0	0	17.4	3.0	1	0.0	-3.0	0.0	17.2	43.2	10.6	1.4	7	7	4.5	9	70	8
40	4.84		25	1	1	-7.4	0.0	0.0	34	4	2	16.6	3.0	1	0.0	6.4	0.0	17.2	43.2	10.6	0.0	15	15	0.0	9	70	8
58	4.84		30	3	2	2.5	0.0	0.0	27	2	1	2.3	9.1	2	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	395	8
1.86	1.00		70	5	1	-2.8	0.0	0.0	34	1	1	16.6	3.0	1	0.0	-4.7	0.0	17.2	43.2	10.6	0.0	11	11	0.0	9	70	8
43	4.84		25	1	1	-2.0	0.0	0.0	32	1	1	14.3	3.0	1	0.0	8.5	0.0	17.2	43.2	10.6	0.0	20	20	0.0	9	70	8
37	4.84		30	3	1	8.0	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-2.0	0.0	7.8	19.4	4.8	0.0	5	10	0.0	20	435	8
1.86	1.00		70	5	1	-12.8	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-12.3	0.0	17.2	43.2	10.6	0.0	28	28	0.0	9	70	8
37	4.84		25	1	1	-12.8	0.0	0.0	35	6	4	16.6	3.0	1	0.0	11.4	0.0	17.2	43.2	10.6	0.0	26	26	0.0	9	70	8
60	4.84		30	3	2	4.9	0.0	0.0	28	4	2	2.3	9.1	2	0.0	1.7	0.0	7.8	19.4	4.8	0.0	4	9	0.0	20	395	8
1.86	1.00		70	5	1	-4.4	0.0	0.0	34	2	1	16.6	3.0	1	0.0	-8.3	0.0	17.2	43.2	10.6	0.0	19	19	0.0	9	70	8
44	4.84		25	1	1	-2.1	0.0	0.0	32	1	1	14.3	3.0	1	0.0	9.0	0.0	17.2	43.2	10.6	0.0	21	21	0.0	9	70	8
38	4.84		30	3	1	8.4	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-2.0	0.0	7.8	19.4	4.8	0.0	5	10	0.0	20	430	8
1.86	1.00		70	5	1	-13.1	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-12.8	0.0	17.2	43.2	10.6	0.0	29	30	0.0	9	70	8
38	4.84		25	1	1	-12.8	0.0	0.0	35	6	4	16.6	3.0	1	0.0	11.4	0.0	17.2	43.2	10.6	0.0	26	26	0.0	9	70	8
61	4.84		30	3	2	4.4	0.0	0.0	28	4	2	2.3	9.1	2	0.0	1.5	0.0	7.8	19.4	4.8	0.0	3	8	0.0	20	390	8
1.86	1.00		70	5	1	-5.9	0.0	0.0	34	3	2	16.6	3.0	1	0.0	-8.8	0.0	17.2	43.2	10.6	0.0	20	20	0.0	9	70	8
45	4.84		25	1	1	-1.4	0.0	0.0	32	1	0	14.3	3.0	1	0.0	5.3	0.0	17.2	43.2	10.6	0.0	12	12	0.0	9	70	8
39	4.84		30	3	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-1.1	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	435	8
1.86	1.00		70	5	1	-7.6	0.0	0.0	35	4	2	16.6	3.0	1	0.0	-7.5	0.0	17.2	43.2	10.6	0.0	17	17	0.0	9	70	8
1	4.84		25	1	1	-8.2	0.0	0.0	33	5	2	14.3	3.0	1	0.0	11.1	0.0	30.0	32.2	3.6	0.0	34	19	0.0	9	70	8
105	4.84		30	3	1	-8.2	0.0	0.0	33	5	2	14.3	3.0	1	0.0	7.2	0.0	30.0	32.2	3.6	0.0	22	12	0.0	9	50	8
2.5	1.00		70	5	1	5.4	0.0	0.0	28	5	2	2.3	9.1	1	0.0	3.3	0.0	10.4	26.1	6.4	0.0	10	12	0.0	20	70	8
2	4.84		25	1	1	-12.0	0.0	0.0	32	7	3	14.3	3.0	1	0.0	16.8	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
11	4.84		30	3	1	9.3	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-0.8	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	395	8
1.86	1.00		70	5	1	-16.9	0.0	0.0	34	8	5	16.6	3.0	1	0.0	-18.6	0.0	17.2	43.2	10.6	0.0	43	43	0.0	9	70	8
3	4.84		25	1	1	-11.9	0.0	0.0	32	7	3	14.3	3.0	1	0.0	16.6	0.0	17.2	43.2	10.6	0.0	38	38	0.0	9	70	8
12	4.84		30	3	1	9.1	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-0.8	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	395	8
1.86	1.00		70	5	1	-16.8	0.0	0.0	34	8	5	16.6	3.0	1	0.0	-18.4	0.0	17.2	43.2	10.6	0.0	42	43	0.0	9	70	8
4	4.84		25	1	1	-14.5	0.0	0.0	34	7	4	16.6	3.0	1	0.0	17.2	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
13	4.84		30	3	1	8.2	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	395	8
1.86	1.00		70	5	1	-16.0	0.0	0.0	34	8	4	16.6	3.0	1	0.0	-17.8	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
5	4.84		25	1	1	-16.9	0.0	0.0	34	8	5	16.6	3.0	1	0.0	17.8	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
14	4.84		30	3	1	7.4	0.0	0.0	28	6	3	2.3	9.1	2	0.0	0.6	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	395	8
1.86	1.00		70	5	1	-14.9	0.0	0.0	34	7	4	16.6	3.0	1	0.0	-17.1	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
8	4.84		25	1	1	-14.8	0.0	0.0	34	7	4	16.6	3.0	1	0.0	17.5	0.0	17.2	43.2	10.6	0.0	40	41	0.0	9	70	8
17	4.84		30	3	1	8.4	0.0	0.0	28	7	3	2.3	9.1	2	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	395	8
1.86	1.00		70	5	1	-15.7	0.0	0.0	34	8	4	16.6	3.0	1	0.0	-17.8	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
9	4.84		25	1	1	-8.9	0.0	0.0	33	5	3	14.3	3.0	1	0.0	11.2	0.0	30.0	32.2	3.6	0.0	35	19	0.0	9	70	8
109	4.84		30	3	1	-8.9	0.0	0.0	33	5	3	14.3	3.0	1	0.0	7.3	0.0	30.0	32.2	3.6	0.0	23	13	0.0	9	50	8
2.5	1.00		70	5	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	3.4	0.0	10.4	26.1	6.4	0.0	11	13	0.0	20	70	8
28	4.84		25	1	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	1	0.0	3.5	0.9	40.4	43.3	4.8	1.4	26	16	4.5	9	20	8
46	4.84		30	3	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.8	0.9	40.4	43.3	4.8	1.4	22	12	4.5	9	20	8
29	4.84		25	1	1	-2.5	0.0	0.0	32	1	1	14.3	3.0	1	0.0	7.5	0.0	17.2	43.2	10.6	0.0	17	17	0.0	9	20	8
47	4.84		30	3	1	-2.5	0.0	0.0	32	1	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-2.5	0.0	0.0	32	1	1	14.3	3.0	1	0.0	4.9	0.0	17.2	43.2	10.6	0.0	11	11	0.0	9	20	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
31	4.84		25	1	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	1	0.0	3.5	0.9	40.4	43.3	4.8	1.4	26	16	4.5	9	20	8
49	4.84		30	3	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.8	0.9	40.4	43.3	4.8	1.4	23	13	4.5	9	20	8
32	4.84		25	1	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	7.4	0.0	17.2	43.2	10.6	0.0	17	17	0.0	9	20	8
50	4.84		30	3	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	4.8	0.0	17.2	43.2	10.6	0.0	11	11	0.0	9	20	8
33	4.84		25	1	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	1	0.0	3.3	-0.8	40.4	43.3	4.8	1.4	24	15	4.5	9	20	8
51	4.84		30	3	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.7	-0.8	40.4	43.3	4.8	1.4	21	12	4.5	9	20	8
34	4.84		25	1	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	1	0.0	3.4	0.9	40.4	43.3	4.8	1.4	26	16	4.5	9	20	8
52	4.84		30	3	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.8	0.9	40.4	43.3	4.8	1.4	22	12	4.5	9	20	8
35	4.84		25	1	1	-2.5	0.0	0.0	32	1	1	14.3	3.0	1	0.0	7.5	0.0	17.2	43.2	10.6	0.0	17	17	0.0	9	20	8
53	4.84		30	3	1	-2.5	0.0	0.0	32	1	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-2.5	0.0	0.0	32	1	1	14.3	3.0	1	0.0	4.8	0.0	17.2	43.2	10.6	0.0	11	11	0.0	9	20	8
36	4.84		25	1	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	1	0.0	3.5	-0.9	40.4	43.3	4.8	1.4	26	16	4.5	9	20	8
54	4.84		30	3	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.8	-0.9	40.4	43.3	4.8	1.4	22	12	4.5	9	20	8
103	4.84		25	1	1	-1.1	0.0	0.0	35	1	0	17.4	3.0	1	0.0	0.0	0.0	10.4	26.1	6.4	0.0	0	0	0.0	20	70	8
59	4.84		30	3	1	-7.3	0.0	0.0	35	3	2	17.4	3.0	1	0.0	-3.8	0.0	10.4	26.1	6.4	0.0	12	15	0.0	20	60	8
2.5	1.00		70	5	1	-7.6	0.0	0.0	35	4	2	17.4	3.0	1	0.0	-7.6	0.0	10.4	26.1	6.4	0.0	24	29	0.0	20	70	8
109	4.84		27	1	1	-0.3	0.0	0.0	26	2	1	3.1	3.1	1	0.0	0.9	0.0	7.9	7.9	0.7	0.0	11	9	0.0	16	21	8
110	4.84		24	3	2	0.4	0.0	0.0	26	4	2	3.1	3.1	1	0.0	0.7	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	237	8
2.5	1.00		24	5	1	0.0	0.0	0.0	26	0	0	3.1	3.1	2	0.0	-0.7	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	21	8
107	4.84		27	1	2	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
154	4.84		24	3	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.3	0.0	8.0	8.0	1.3	0.0	16	16	0.0	20	7	8
2.48	1.00		24	5	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.9	0.0	8.0	8.0	1.3	0.0	23	23	0.0	20	24	8
108	4.84		27	1	1	-0.2	0.0	0.0	26	2	1	3.1	3.1	1	0.0	0.9	0.0	7.9	7.9	0.7	0.0	11	9	0.0	16	21	8
111	4.84		24	3	2	0.4	0.0	0.0	26	4	2	3.1	3.1	1	0.0	0.8	0.0	7.9	7.9	0.7	0.0	10	8	0.0	16	237	8
2.5	1.00		24	5	1	0.0	0.0	0.0	26	0	0	3.1	3.1	1	0.0	-0.7	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	21	8
106	4.84		27	1	1	0.0	0.0	0.0	26	0	0	3.1	3.1	1	0.0	0.7	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	21	8
105	4.84		24	3	2	0.4	0.0	0.0	26	4	2	3.1	3.1	1	0.0	-0.8	0.0	7.9	7.9	0.7	0.0	10	8	0.0	16	237	8
2.5	1.00		24	5	1	-0.2	0.0	0.0	26	2	1	3.1	3.1	1	0.0	-0.9	0.0	7.9	7.9	0.7	0.0	11	9	0.0	16	21	8
110	4.84		27	1	2	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
157	4.84		24	3	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.3	0.0	8.0	8.0	1.3	0.0	16	16	0.0	20	7	8
2.48	1.00		24	5	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.9	0.0	8.0	8.0	1.3	0.0	23	23	0.0	20	24	8
107	4.84		27	1	1	0.0	0.0	0.0	26	0	0	3.1	3.1	1	0.0	0.7	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	21	8
104	4.84		24	3	2	0.4	0.0	0.0	26	4	2	3.1	3.1	1	0.0	-0.7	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	237	8
2.5	1.00		24	5	1	-0.2	0.0	0.0	26	2	1	3.1	3.1	1	0.0	-0.9	0.0	7.9	7.9	0.7	0.0	11	9	0.0	16	21	8
116	4.84		5	1	1	0.4	0.0	0.0	29	2	1	6.8	6.8	1	0.0	1.8	0.0	14.4	8.1	2.5	0.0	14	23	0.0	20	24	8
138	4.84		40	3	1	0.7	0.0	0.0	29	3	1	6.8	6.8	1	0.0	-1.0	0.0	14.4	8.1	2.5	0.0	7	12	0.0	20	172	8
2.5	1.00		24	5	1	-2.2	0.0	0.0	29	9	5	6.8	6.8	1	0.0	-3.9	0.0	14.4	8.1	2.5	0.0	29	48	0.0	20	24	8
24	4.84		5	1	1	-5.1	0.0	0.0	0	999	999	6.8	6.8	1	0.0	5.6	0.0	14.4	8.1	2.5	0.0	42	69	0.0	20	24	8
25	4.84		40	3	1	2.8	0.0	0.0	30	11	6	6.8	6.8	1	0.0	-0.1	0.0	14.4	8.1	2.5	0.0	0	1	0.0	20	522	8
NoVer.	1.00		24	5	1	-5.1	0.0	0.0	0	999	999	6.8	6.8	1	0.0	-5.6	0.0	14.4	8.1	2.5	0.0	42	69	0.0	20	24	8
151	4.84		27	1	1	-1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	2.6	0.0	8.0	8.0	1.3	0.0	32	32	0.0	20	24	8
106	4.84		24	3	1	-1.2	0.0	0.0	24	13	5	2.3	2.3	1	0.0	1.7	0.0	8.0	8.0	1.3	0.0	21	21	0.0	20	42	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
150	4.84		27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.8	0.0	8.0	8.0	1.3	0.0	35	36	0.0	20	24	8
151	4.84		24	3	1	0.6	0.0	0.0	24	7	3	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00		24	5	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	-2.9	0.0	8.0	8.0	1.3	0.0	36	36	0.0	20	24	8
152	4.84		27	1	1	-1.6	0.0	0.0	25	18	7	2.3	2.3	1	0.0	3.1	0.0	8.0	8.0	1.3	0.0	38	38	0.0	20	24	8
153	4.84		24	3	1	0.7	0.0	0.0	24	9	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00		24	5	1	-1.5	0.0	0.0	25	17	7	2.3	2.3	1	0.0	-3.0	0.0	8.0	8.0	1.3	0.0	38	38	0.0	20	24	8
153	4.84		27	1	1	-1.5	0.0	0.0	25	18	7	2.3	2.3	1	0.0	3.1	0.0	8.0	8.0	1.3	0.0	38	38	0.0	20	24	8
150	4.84		24	3	1	0.8	0.0	0.0	24	9	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00		24	5	1	-1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	-3.0	0.0	8.0	8.0	1.3	0.0	38	38	0.0	20	24	8
154	4.84		27	1	1	-1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	3.1	0.0	8.0	8.0	1.3	0.0	39	39	0.0	20	24	8
152	4.84		24	3	1	0.9	0.0	0.0	24	11	4	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	267	8
2.48	1.00		24	5	1	-1.7	0.0	0.0	17	62	15	2.3	2.3	1	0.0	-3.3	0.0	8.0	8.0	1.3	0.0	41	41	0.0	20	24	8
155	4.84		27	1	1	-1.5	0.0	0.0	25	18	7	2.3	2.3	1	0.0	3.1	0.0	8.0	8.0	1.3	0.0	38	38	0.0	20	24	8
158	4.84		24	3	1	0.8	0.0	0.0	24	9	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00		24	5	1	-1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	-3.0	0.0	8.0	8.0	1.3	0.0	38	38	0.0	20	24	8
156	4.84		27	1	1	-1.6	0.0	0.0	25	18	7	2.3	2.3	1	0.0	3.1	0.0	8.0	8.0	1.3	0.0	38	38	0.0	20	24	8
155	4.84		24	3	1	0.7	0.0	0.0	24	9	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00		24	5	1	-1.5	0.0	0.0	25	17	7	2.3	2.3	1	0.0	-3.0	0.0	8.0	8.0	1.3	0.0	38	38	0.0	20	24	8
157	4.84		27	1	1	-1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	3.1	0.0	8.0	8.0	1.3	0.0	39	39	0.0	20	24	8
156	4.84		24	3	1	0.9	0.0	0.0	24	11	4	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	267	8
2.48	1.00		24	5	1	-1.7	0.0	0.0	17	66	16	2.3	2.3	1	0.0	-3.3	0.0	8.0	8.0	1.3	0.0	41	41	0.0	20	24	8
158	4.84		27	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	2.8	0.0	8.0	8.0	1.3	0.0	35	35	0.0	20	24	8
159	4.84		24	3	1	0.6	0.0	0.0	24	7	3	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00		24	5	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	-2.9	0.0	8.0	8.0	1.3	0.0	36	36	0.0	20	24	8
159	4.84		27	1	1	-1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	2.6	0.0	8.0	8.0	1.3	0.0	32	32	0.0	20	24	8
111	4.84		24	3	1	-1.2	0.0	0.0	24	13	5	2.3	2.3	1	0.0	1.7	0.0	8.0	8.0	1.3	0.0	21	21	0.0	20	42	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
138	4.84		5	1	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8
139	4.84		40	3	1	0.0	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	112	8
2.5	1.00		24	5	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
139	4.84		5	1	1	-2.2	0.0	0.0	29	9	5	6.8	6.8	1	0.0	3.9	0.0	14.4	8.1	2.5	0.0	29	48	0.0	20	24	8
117	4.84		40	3	1	0.7	0.0	0.0	29	3	1	6.8	6.8	1	0.0	1.1	0.0	14.4	8.1	2.5	0.0	8	13	0.0	20	172	8
2.5	1.00		24	5	1	0.4	0.0	0.0	29	2	1	6.8	6.8	1	0.0	-1.8	0.0	14.4	8.1	2.5	0.0	14	23	0.0	20	24	8
167	4.84		33	1	1	-0.7	0.0	0.0	26	2	1	7.7	7.7	1	0.0	0.9	0.0	38.9	13.9	6.4	0.0	3	6	0.0	15	24	8
168	4.84		60	3	1	0.4	0.0	0.0	26	1	1	7.7	7.7	1	0.0	0.0	0.0	38.9	13.9	6.4	0.0	0	0	0.0	15	442	8
2.5	1.00		24	5	2	-0.7	0.0	0.0	26	2	1	7.7	7.7	1	0.0	-0.9	0.0	38.9	13.9	6.4	0.0	3	6	0.0	15	24	8
165	4.84		32	1	1	-0.4	0.2	0.0	25	1	1	7.7	7.7	1	0.2	0.6	0.0	45.9	13.9	7.7	0.0	2	5	0.0	15	24	8
142	4.84		70	3	2	0.1	-0.2	0.0	25	0	0	7.7	7.7	1	0.2	0.1	0.0	45.9	13.9	7.7	0.0	1	1	0.0	15	197	8
2.5	1.00		24	5	2	-0.1	-0.2	0.0	25	0	0	7.7	7.7	1	0.2	-0.4	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
165	4.84		7	1	1	-0.8	0.0	0.0	20	1	0	6.0	4.6	1	0.0	2.0	0.0	25.0	38.9	12.9	0.0	4	5	0.0	15	60	8
167	4.84		40	3	1	-0.8	0.0	0.0	20	1	0	6.0	4.6	1	0.0	0.5	0.0	25.0	38.9	12.9	0.0	1	1	0.0	15	15	8
2.5	1.00		60	5	1	-0.2	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-1.0	0.0	25.0	38.9	12.9	0.0	2	3	0.0	15	60	8
166	4.84		7	1	1	-0.9	0.0	0.0	20	1	0	6.0	4.6	1	0.0	2.0	0.0	25.0	38.9	12.9	0.0	4	5	0.0	15	60	8
168	4.84		40	3	1	-0.9	0.0	0.0	20	1	0	6.0	4.6	1	0.0	0.6	0.0	25.0	38.9	12.9	0.0	1	2	0.0	15	15	8
2.5	1.00		60	5	1	-0.1	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-0.9	0.0	25.0	38.9	12.9	0.0	2	2	0.0	15	60	8
104	4.84		25	1	1	5.1	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-3.2	0.0	10.4	26.1	6.4	0.0	10	12	0.0	20	70	8
28	4.84		30	3	1	-8.5	0.0	0.0	33	5	2	14.3	3.0	1	0.0	-7.2	0.0	30.0	32.2	3.6	0.0	22	12	0.0	9	50	8
2.5	1.00		70	5	1	-8.5	0.0	0.0	33	5	2	14.3	3.0	1	0.0	-11.1	0.0	30.0	32.2	3.6	0.0	34	19	0.0	9	70	8
114	4.84		25	1	1	5.6	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.4	0.0	10.4	26.1	6.4	0.0	1	1	0.0	20	27	8
104	4.84		30	3	1	5.6	0.0	0.0	28	5	2	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00		70	5	1	5.6	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-2.3	0.0	10.4	26.1	6.4	0.0	7	9	0.0	20	27	8
112	4.84		25	1	1	5.1	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.7	0.0	10.4	26.1	6.4	0.0	2	3	0.0	20	70	8
19	4.84		30	3	1	-7.3	0.0	0.0	35	3	2	17.4	3.0	1	0.0	-6.1	0.0	30.0	32.2	3.6	0.0	19	11	0.0	9	135	8
2.5	1.00		70	5	1	-11.5	0.0	0.0	35	6	3	16.6	3.0	1	0.0	-12.8	0.0	30.0	32.2	3.6	0.0	40	22	0.0	9	70	8
10	4.84		25	1	1	-11.2	0.0	0.0	35	5	3	16.6	3.0	1	0.0	12.7	0.0	30.0	32.2	3.6	0.0	39	22	0.0	9	70	8
112	4.84		30	3	1	-7.0	0.0	0.0	35	3	2	17.4	3.0	1	0.0	5.8	0.0	30.0	32.2	3.6	0.0	18	10	0.0	9	135	8
2.5	1.00		70	5	1	5.1	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-0.8	0.0	10.4	26.1	6.4	0.0	3	3	0.0	20	70	8
105	4.84		25	1	1	5.8	0.0	0.0	28	5	2	2.3	9.1	1	0.0	2.4	0.0	10.4	26.1	6.4	0.0	7	9	0.0	20	45	8
113	4.84		30	3	1	6.0	0.0	0.0	28	5	2	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00		70	5	1	5.7	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-2.1	0.0	10.4	26.1	6.4	0.0	6	8	0.0	20	45	8
113	4.84		25	1	1	5.5	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-0.4	0.0	10.4	26.1	6.4	0.0	1	1	0.0	20	70	8
10	4.84		30	3	1	-8.3	0.0	0.0	35	4	2	17.4	3.0	1	0.0	-6.7	0.0	30.0	32.2	3.6	0.0	21	11	0.0	9	115	8
2.5	1.00		70	5	1	-11.5	0.0	0.0	35	6	3	16.6	3.0	1	0.0	-12.9	0.0	30.0	32.2	3.6	0.0	40	22	0.0	9	70	8
116	4.84		25	1	1	3.5	0.0	0.0	13	9	1	16.6	3.0	1	0.0	6.0	0.0	17.2	43.2	10.6	0.0	14	14	0.0	9	70	8
30	4.84		30	3	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-1.7	0.0	7.8	19.4	4.8	0.0	4	9	0.0	20	285	8
1.86	1.00		70	5	1	-7.7	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-9.6	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
118	4.84		25	1	1	3.4	0.0	0.0	13	8	1	16.6	3.0	1	0.0	4.1	0.0	17.2	43.2	10.6	1.4	10	10	4.5	9	70	8
165	4.84		30	3	1	3.7	0.0	0.0	28	3	1	2.3	9.1	1	0.0	-2.8	0.0	7.8	19.4	4.8	0.0	7	15	0.0	20	250	8
1.86	1.00		70	5	1	-9.7	0.0	0.0	33	5	3	14.3	3.0	1	0.0	-9.8	0.0	17.2	43.2	10.6	0.0	23	23	0.0	9	70	8
117	4.84		25	1	2	3.1	0.0	0.0	13	8	1	16.6	3.0	1	0.0	6.0	0.0	17.2	43.2	10.6	0.0	14	14	0.0	9	70	8
31	4.84		30	3	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-1.7	0.0	7.8	19.4	4.8	0.0	4	9	0.0	20	285	8
1.86	1.00		70	5	1	-7.6	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-9.6	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
30	4.84		25	1	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	1	0.0	3.5	-0.9	40.4	43.3	4.8	1.4	26	16	4.5	9	20	8
48	4.84		30	3	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.8	-0.9	40.4	43.3	4.8	1.4	22	12	4.5	9	20	8
119	4.84		25	1	1	3.3	0.0	0.0	13	8	1	16.6	3.0	1	0.0	4.4	0.0	17.2	43.2	10.6	1.4	10	10	4.5	9	70	8
166	4.84		30	3	1	3.7	0.0	0.0	28	3	1	2.3	9.1	1	0.0	-2.7	0.0	7.8	19.4	4.8	0.0	6	14	0.0	20	250	8
1.86	1.00		70	5	1	-9.4	0.0	0.0	33	5	3	14.3	3.0	1	0.0	-9.8	0.0	17.2	43.2	10.6	0.0	23	23	0.0	9	70	8
108	4.84		25	1	1	5.6	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-3.1	0.0	10.4	26.1	6.4	0.0	10	12	0.0	20	70	8
36	4.84		30	3	1	-7.8	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-7.0	0.0	30.0	32.2	3.6	0.0	22	12	0.0	9	50	8
2.5	1.00		70	5	1	-7.8	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-10.9	0.0	30.0	32.2	3.6	0.0	34	19	0.0	9	70	8
148	4.84		25	1	1	5.8	0.0	0.0	28	5	2	2.3	9.1	1	0.0	2.2	0.0	10.4	26.1	6.4	0.0	7	9	0.0	20	45	8
108	4.84		30	3	1	6.1	0.0	0.0	28	5	2	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00		70	5	1	5.8	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-2.2	0.0	10.4	26.1	6.4	0.0	7	8	0.0	20	45	8
140	4.84		25	1	1	5.1	0.0	0.0	28	4	2	2.3	9.1	1	0.0	1.0	0.0	10.4	26.1	6.4	0.0	3	4	0.0	20	70	8
27	4.84		30	3	1	-6.8	0.0	0.0	35	3	2	17.4	3.0	1	0.0	-5.9	0.0	30.0	32.2	3.6	0.0	18	10	0.0	9	135	8
2.5	1.00		70	5	1	-10.9	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-12.6	0.0	30.0	32.2	3.6	0.0	39	22	0.0	9	70	8
109	4.84		25	1	1	5.6	0.0	0.0	28	5	2	2.3	9.1	1	0.0	2.5	0.0	10.4	26.1	6.4	0.0	8	10	0.0	20	28	8
144	4.84		30	3	1	5.6	0.0	0.0	28	5	2	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00		70	5	1	5.6	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-0.2	0.0	10.4	26.1	6.4	0.0	1	1	0.0	20	28	8
144	4.84		25	1	1	5.6	0.0	0.0	28	5	2	2.3	9.1	1	0.0	1.5	0.0	10.4	26.1	6.4	0.0	5	6	0.0	20	70	8
18	4.84		30	3	1	5.8	0.0	0.0	12	14	2	17.4	3.0	1	0.0	-5.7	0.0	30.0	32.2	3.6	0.0	18	10	0.0	9	150	8
2.5	1.00		70	5	1	-10.9	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-12.8	0.0	30.0	32.2	3.6	0.0	40	22	0.0	9	70	8
142	4.84		32	1	1	-0.1	-0.2	0.0	25	1	0	7.7	7.7	1	-0.2	0.4	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
166	4.84		70	3	2	0.1	-0.2	0.0	25	0	0	7.7	7.7	1	-0.2	-0.1	0.0	38.3	33.9	4.3	0.0	1	0	0.0	15	197	8
2.5	1.00		24	5	1	-0.3	0.2	0.0	25	1	0	7.7	7.7	1	-0.2	-0.6	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
134	7.46		2	1	1	-0.3	0.0	0.0	20	2	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
129	7.46		30	3	1	-4.6	0.0	0.0	29	11	5	6.2	2.3	1	0.0	-3.5	0.0	10.4	14.4	3.4	0.4	20	25	2.3	20	110	8
2.5	1.00		40	5	1	-6.7	0.0	0.0	29	16	8	6.2	2.3	1	0.0	-7.0	0.0	10.4	14.4	3.4	0.4	40	49	2.3	20	40	8
129	7.46		2	1	1	-0.1	0.0	0.2	20	0	0	6.2	2.3	1	0.0	0.3	0.0	10.4	14.4	3.4	0.0	2	2	0.0	20	40	8
130	5.84		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	162	8
2.5	1.00		40	5	1	-0.1	0.0	-0.2	37	0	0	6.2	2.3	1	0.0	-0.3	0.0	10.4	14.4	3.4	0.0	2	2	0.0	20	40	8
130	5.84		2	1	1	-6.8	0.0	0.0	30	16	8	6.2	2.3	1	0.0	7.1	0.0	10.4	14.4	3.4	0.4	40	50	2.3	20	40	8
135	5.84		30	3	1	-4.6	0.0	0.0	29	11	5	6.2	2.3	1	0.0	3.6	0.0	10.4	14.4	3.4	0.4	20	25	2.3	20	110	8
2.5	1.00		40	5	1	-0.3	0.0	0.0	20	2	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
136	7.46		2	1	1	-0.3	0.0	0.0	20	2	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
132	7.46		30	3	1	-4.6	0.0	0.0	29	11	5	6.2	2.3	1	0.0	-3.5	0.0	10.4	14.4	3.4	0.4	20	25	2.3	20	110	8
2.5	1.00		40	5	1	-6.7	0.0	0.0	29	16	8	6.2	2.3	1	0.0	-7.0	0.0	10.4	14.4	3.4	0.4	40	49	2.3	20	40	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
132	7.46		2	1	1	-0.1	0.0	0.2	20	0	0	6.2	2.3	1	0.0	0.3	0.0	10.4	14.4	3.4	0.0	2	2	0.0	20	40	8
133	5.84		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	162	8
2.5	1.00		40	5	1	-0.1	0.0	-0.2	37	0	0	6.2	2.3	1	0.0	-0.3	0.0	10.4	14.4	3.4	0.0	2	2	0.0	20	40	8
133	5.84		2	1	1	-6.8	0.0	0.0	30	16	8	6.2	2.3	1	0.0	7.1	0.0	10.4	14.4	3.4	0.4	40	50	2.3	20	40	8
137	5.84		30	3	1	-4.6	0.0	0.0	29	11	5	6.2	2.3	1	0.0	3.6	0.0	10.4	14.4	3.4	0.4	20	25	2.3	20	110	8
2.5	1.00		40	5	1	-0.3	0.0	0.0	20	2	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
64	8.28		25	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-2.1	-0.8	30.0	32.2	3.6	1.1	29	21	4.5	20	45	8
1	8.28		30	3	1	-3.5	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.5	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-5.8	-0.8	30.0	32.2	3.6	1.1	40	16	4.5	9	45	8
10	8.28		25	1	1	-12.8	0.0	0.0	35	6	4	16.6	3.0	1	0.0	13.7	0.0	17.2	43.2	10.6	0.0	32	32	0.0	9	70	8
19	8.28		30	3	1	6.3	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	420	8
1.86	1.00		70	5	1	-13.1	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-13.8	0.0	17.2	43.2	10.6	0.0	32	32	0.0	9	70	8
19	8.28		25	1	1	-12.9	0.0	0.0	35	6	4	16.6	3.0	1	0.0	14.2	0.0	30.0	32.2	3.6	0.0	44	24	0.0	9	70	8
104	8.28		30	3	1	7.6	0.0	0.0	13	19	3	16.6	3.0	1	0.0	5.6	0.0	30.0	32.2	3.6	0.0	17	10	0.0	9	210	8
2.5	1.00		70	5	1	7.5	0.0	0.0	28	6	3	2.3	9.1	1	0.0	-3.0	0.0	10.4	26.1	6.4	0.0	9	12	0.0	20	70	8
65	8.28		25	1	1	-2.8	0.0	0.0	32	2	1	14.3	3.0	2	0.0	-2.1	0.8	30.0	32.2	3.6	1.1	29	21	4.5	20	45	8
2	8.28		30	3	1	-3.6	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.6	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-5.8	0.8	30.0	32.2	3.6	1.1	41	16	4.5	9	45	8
66	8.28		25	1	1	-2.5	0.0	0.0	32	1	1	14.3	3.0	1	0.0	-1.7	-0.5	30.0	32.2	3.6	1.1	20	15	4.5	20	45	8
3	8.28		30	3	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-5.3	-0.5	30.0	32.2	3.6	1.1	32	13	4.5	9	45	8
67	8.28		25	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-4.6	0.0	10.4	26.1	6.4	0.0	14	18	0.0	20	45	8
4	8.28		30	3	1	-6.8	0.0	0.0	33	4	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-6.8	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-10.5	0.0	30.0	32.2	3.6	0.0	33	18	0.0	9	45	8
68	8.28		25	1	1	-5.0	0.0	0.0	32	3	1	14.3	3.0	1	0.0	-4.0	0.0	10.4	26.1	6.4	0.0	12	15	0.0	20	45	8
5	8.28		30	3	1	-6.2	0.0	0.0	33	4	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-6.2	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-9.9	0.0	30.0	32.2	3.6	0.0	31	17	0.0	9	45	8
6	8.28		25	1	1	-12.4	0.0	0.0	32	7	4	14.3	3.0	1	0.0	16.8	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
15	8.28		30	3	1	9.4	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-1.0	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	410	8
1.86	1.00		70	5	1	-17.6	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-18.7	0.0	17.2	43.2	10.6	0.0	43	43	0.0	9	70	8
7	8.28		25	1	1	-11.1	0.0	0.0	32	6	3	14.3	3.0	1	0.0	16.7	0.0	17.2	43.2	10.6	0.0	38	39	0.0	9	70	8
16	8.28		30	3	1	10.3	0.0	0.0	28	9	4	2.3	9.1	1	0.0	-1.2	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	410	8
1.86	1.00		70	5	1	-17.9	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-19.2	0.0	17.2	43.2	10.6	0.0	44	44	0.0	9	70	8
71	8.28		25	1	1	-2.8	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-2.1	-0.8	30.0	32.2	3.6	1.1	29	21	4.5	20	45	8
8	8.28		30	3	1	-3.6	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.6	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-5.8	-0.8	30.0	32.2	3.6	1.1	41	16	4.5	9	45	8
72	8.28		25	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	2	0.0	-2.1	0.8	30.0	32.2	3.6	1.1	29	21	4.5	20	45	8
9	8.28		30	3	1	-3.5	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.5	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-5.8	0.8	30.0	32.2	3.6	1.1	40	16	4.5	9	45	8
11	8.28		25	1	1	-17.4	0.0	0.0	34	9	5	16.6	3.0	1	0.0	18.5	0.0	17.2	43.2	10.6	0.0	43	43	0.0	9	70	8
20	8.28		30	3	1	8.5	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	420	8
1.86	1.00		70	5	1	-17.5	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-18.5	0.0	17.2	43.2	10.6	0.0	43	43	0.0	9	70	8
12	8.28		25	1	1	-18.1	0.0	0.0	34	9	5	16.6	3.0	1	0.0	18.9	0.0	17.2	43.2	10.6	0.0	44	44	0.0	9	70	8
21	8.28		30	3	1	9.2	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.6	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	420	8
1.86	1.00		70	5	1	-14.9	0.0	0.0	34	7	4	16.6	3.0	1	0.0	-17.7	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
13	8.28		25	1	1	-18.1	0.0	0.0	34	9	5	16.6	3.0	1	0.0	18.9	0.0	17.2	43.2	10.6	0.0	44	44	0.0	9	70	8
22	8.28		30	3	1	9.1	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.6	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	420	8
1.86	1.00		70	5	1	-14.9	0.0	0.0	34	7	4	16.6	3.0	1	0.0	-17.7	0.0	17.2	43.2	10.6	0.0	41	41	0.0	9	70	8
14	8.28		25	1	1	-17.6	0.0	0.0	34	9	5	16.6	3.0	1	0.0	18.4	0.0	17.2	43.2	10.6	0.0	42	43	0.0	9	70	8
23	8.28		30	3	1	8.3	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	420	8
1.86	1.00		70	5	1	-16.9	0.0	0.0	34	8	5	16.6	3.0	1	0.0	-18.1	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
15	8.28		25	1	1	-18.3	0.0	0.0	34	9	5	16.6	3.0	1	0.0	18.8	0.0	17.2	43.2	10.6	0.0	43	44	0.0	9	70	8
24	8.28		30	3	1	9.1	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.8	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	420	8
1.86	1.00		70	5	1	-14.0	0.0	0.0	34	7	4	16.6	3.0	1	0.0	-17.3	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
16	8.28		25	1	1	-18.4	0.0	0.0	34	9	5	16.6	3.0	1	0.0	18.9	0.0	17.2	43.2	10.6	0.0	44	44	0.0	9	70	8
25	8.28		30	3	1	9.1	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.7	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	420	8
1.86	1.00		70	5	1	-14.5	0.0	0.0	34	7	4	16.6	3.0	1	0.0	-17.5	0.0	17.2	43.2	10.6	0.0	40	41	0.0	9	70	8
17	8.28		25	1	1	-18.2	0.0	0.0	34	9	5	16.6	3.0	1	0.0	18.7	0.0	17.2	43.2	10.6	0.0	43	43	0.0	9	70	8
26	8.28		30	3	1	8.4	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	420	8
1.86	1.00		70	5	1	-16.6	0.0	0.0	34	8	5	16.6	3.0	1	0.0	-18.2	0.0	17.2	43.2	10.6	0.0	42	42	0.0	9	70	8
18	8.28		25	1	1	-13.4	0.0	0.0	35	7	4	16.6	3.0	1	0.0	13.9	0.0	17.2	43.2	10.6	0.0	32	32	0.0	9	70	8
27	8.28		30	3	1	6.3	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	420	8
1.86	1.00		70	5	1	-12.6	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-13.6	0.0	17.2	43.2	10.6	0.0	31	32	0.0	9	70	8
20	8.28		25	1	1	-17.4	0.0	0.0	34	8	5	16.6	3.0	1	0.0	18.9	0.0	17.2	43.2	10.6	0.0	44	44	0.0	9	70	8
29	8.28		30	3	1	9.6	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.7	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	410	8
1.86	1.00		70	5	1	-13.5	0.0	0.0	32	8	4	14.3	3.0	1	0.0	-17.5	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
21	8.28		25	1	1	-12.6	0.0	0.0	35	6	3	16.6	3.0	1	0.0	15.2	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	58	8
116	8.28		30	3	1	-12.6	0.0	0.0	35	6	4	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.5	0.0	0.0	12	1	0	16.6	3.0	1	0.0	7.6	0.0	17.2	43.2	10.6	0.0	18	18	0.0	9	58	8
22	8.28		25	1	1	-12.7	0.0	0.0	35	6	4	16.6	3.0	1	0.0	15.2	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	58	8
117	8.28		30	3	1	-12.7	0.0	0.0	35	6	4	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.5	0.0	0.0	12	1	0	16.6	3.0	1	0.0	7.7	0.0	17.2	43.2	10.6	0.0	18	18	0.0	9	58	8
23	8.28		25	1	1	-17.3	0.0	0.0	34	8	5	16.6	3.0	1	0.0	18.7	0.0	17.2	43.2	10.6	0.0	43	43	0.0	9	70	8
32	8.28		30	3	1	9.6	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.8	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	410	8
1.86	1.00		70	5	1	-12.9	0.0	0.0	32	7	4	14.3	3.0	1	0.0	-17.1	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
24	8.28		25	1	1	-6.4	0.0	0.0	34	3	2	16.6	3.0	1	0.0	10.9	0.0	17.2	43.2	10.6	1.4	25	25	4.5	9	58	8
118	8.28		30	3	1	-6.4	0.0	0.0	34	3	2	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	2.0	0.0	0.0	13	5	1	16.6	3.0	1	0.0	3.5	0.0	17.2	43.2	10.6	1.4	8	8	4.5	9	58	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
25	8.28	1	25	1	1	-6.9	0.0	0.0	34	3	2	16.6	3.0	1	0.0	11.3	0.0	17.2	43.2	10.6	1.4	26	26	4.5	9	58	8
119	8.28	3	30	1	1	-6.9	0.0	0.0	34	3	2	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00	5	70	1	1	1.8	0.0	0.0	13	4	1	16.6	3.0	1	0.0	3.8	0.0	17.2	43.2	10.6	1.4	9	9	4.5	9	58	8
26	8.28	1	25	1	1	-17.7	0.0	0.0	34	9	5	16.6	3.0	1	0.0	19.0	0.0	17.2	43.2	10.6	0.0	44	44	0.0	9	70	8
35	8.28	3	30	1	1	9.7	0.0	0.0	28	8	3	2.3	9.1	1	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	410	8
1.86	1.00	5	70	1	1	-12.9	0.0	0.0	32	7	4	14.3	3.0	1	0.0	-17.2	0.0	17.2	43.2	10.6	0.0	40	40	0.0	9	70	8
27	8.28	1	25	1	1	-13.6	0.0	0.0	35	7	4	16.6	3.0	1	0.0	14.5	0.0	30.0	32.2	3.6	0.0	45	25	0.0	9	70	8
108	8.28	3	30	1	1	7.7	0.0	0.0	13	19	3	16.6	3.0	1	0.0	5.9	0.0	30.0	32.2	3.6	0.0	18	10	0.0	9	210	8
2.5	1.00	5	70	1	1	7.6	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-2.7	0.0	10.4	26.1	6.4	0.0	8	10	0.0	20	70	8
64	8.28	1	5	1	1	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
65	8.28	3	40	1	1	2.4	0.0	0.0	32	9	5	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00	5	24	2	2	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
2	8.28	1	5	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
3	8.28	3	40	1	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00	5	24	2	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
66	8.28	1	5	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
67	8.28	3	40	1	1	1.6	0.0	0.0	31	6	4	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	3	4	0.0	20	552	8
2.48	1.00	5	24	2	2	-2.6	0.0	0.0	32	10	6	7.1	3.1	2	0.0	-2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
67	8.28	1	5	2	2	-2.5	0.0	0.0	32	9	6	7.1	3.1	1	0.0	2.2	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
68	8.28	3	40	1	1	1.0	0.0	0.0	31	4	2	3.1	7.1	2	0.0	0.1	0.0	14.2	8.0	2.4	0.0	1	1	0.0	20	567	8
2.48	1.00	5	24	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
68	8.28	1	5	1	1	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
69	8.28	3	40	1	1	0.9	0.0	0.0	31	3	2	3.1	7.1	1	0.0	-0.1	0.0	14.2	8.0	2.4	0.0	1	1	0.0	20	547	8
2.48	1.00	5	24	2	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
69	8.28	1	5	2	2	-2.5	0.0	0.0	32	9	6	7.1	3.1	1	0.0	2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
70	8.28	3	40	1	1	1.7	0.0	0.0	31	6	4	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	552	8
2.48	1.00	5	24	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
7	8.28	1	5	1	1	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
8	8.28	3	40	2	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	532	8
2.48	1.00	5	24	2	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
71	8.28	1	5	1	1	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
72	8.28	3	40	1	1	2.4	0.0	0.0	32	9	5	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00	5	24	2	2	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
73	8.28	1	5	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
74	8.28	3	40	1	1	1.6	0.0	0.0	31	6	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00	5	24	2	2	-2.9	0.0	0.0	32	11	7	7.1	3.1	1	0.0	-2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
74	8.28	1	5	2	2	-2.9	0.0	0.0	32	11	7	7.1	3.1	1	0.0	2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
75	8.28	3	40	1	1	1.6	0.0	0.0	31	6	4	3.1	7.1	1	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00	5	24	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
76	8.28	1	5	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
77	8.28	3	40	1	1	1.7	0.0	0.0	31	6	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00	5	24	2	2	-2.9	0.0	0.0	32	11	6	7.1	3.1	1	0.0	-2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
77	8.28	1	5	2	2	-2.8	0.0	0.0	32	11	6	7.1	3.1	1	0.0	2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
78	8.28	3	40	1	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	547	8
2.48	1.00	5	24	2	2	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
79	8.28	1	5	2	2	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
80	8.28	3	40	1	1	1.6	0.0	0.0	31	6	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	562	8
2.48	1.00	5	24	2	2	-2.9	0.0	0.0	32	11	7	7.1	3.1	1	0.0	-2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
80	8.28	1	5	2	2	-2.9	0.0	0.0	32	11	7	7.1	3.1	1	0.0	2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
81	8.28	3	40	1	1	1.6	0.0	0.0	31	6	4	3.1	7.1	1	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00	5	24	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
6	8.28	1	25	1	1	-6.7	0.0	0.0	33	4	2	14.3	3.0	1	0.0	10.3	0.0	10.4	26.1	6.4	0.0	32	39	0.0	20	45	8
69	8.28	3	30	1	1	-6.7	0.0	0.0	33	4	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	5	70	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	4.5	0.0	30.0	32.2	3.6	0.0	14	8	0.0	9	45	8
7	8.28	1	25	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	5.3	0.5	30.0	32.2	3.6	1.1	31	29	4.5	20	45	8
70	8.28	3	30	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	5	70	1	1	-2.5	0.0	0.0	32	1	1	14.3	3.0	1	0.0	1.7	0.5	30.0	32.2	3.6	1.1	20	7	4.5	9	45	8
1	8.28	1	25	1	1	-8.7	0.0	0.0	33	5	3	14.3	3.0	1	0.0	11.8	0.0	30.0	32.2	3.6	0.0	36	20	0.0	9	70	8
105	8.28	3	30	1	1	-8.1	0.0	0.0	33	5	2	14.3	3.0	1	0.0	7.7	0.0	30.0	32.2	3.6	0.0	24	13	0.0	9	60	8
2.5	1.00	5	70	1	1	6.8	0.0	0.0	28	6	2	2.3	9.1	1	0.0	3.6	0.0	10.4	26.1	6.4	0.0	11	14	0.0	20	70	8
2	8.28	1	25	1	1	-11.4	0.0	0.0	32	6	3	14.3	3.0	1	0.0	17.0	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
11	8.28	3	30	1	1	10.5	0.0	0.0	28	9	4	2.3	9.1	1	0.0	-1.2	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	410	8
1.86	1.00	5	70	1	1	-18.0	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-19.4	0.0	17.2	43.2	10.6	0.0	45	45	0.0	9	70	8
3	8.28	1	25	1	1	-11.1	0.0	0.0	32	6	3	14.3	3.0	1	0.0	16.7	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
12	8.28	3	30	1	1	10.3	0.0	0.0	28	9	4	2.3	9.1	1	0.0	-1.3	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	410	8
1.86	1.00	5	70	1	1	-18.0	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-19.2	0.0	17.2	43.2	10.6	0.0	44	45	0.0	9	70	8
4	8.28	1	25	1	1	-12.6	0.0	0.0	32	7	4	14.3	3.0	1	0.0	17.0	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
13	8.28	3	30	1	1	9.6	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	410	8
1.86	1.00	5	70	1	1	-17.8	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-18.9	0.0	17.2	43.2	10.6	0.0	44	44	0.0	9	70	8
5	8.28	1	25	1	1	-12.0	0.0	0.0	32	7	3	14.3	3.0	1	0.0	16.9	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
14	8.28	3	30	1	1	9.9	0.0	0.0	28	9	4	2.3	9.1	1	0.0	-1.0	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	410	8
1.86	1.00	5	70	1	1	-17.5	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-18.9	0.0	17.2	43.2	10.6	0.0	44	44	0.0	9	70	8
8	8.28	1	25	1	1	-11.5	0.0	0.0	32	6	3	14.3	3.0	1	0.0	17.0	0.0	17.2	43.2	10.6	0.0	39	39	0.0	9	70	8
17	8.28	3	30	1	1	10.4	0.0	0.0	28	9	4	2.3	9.1	1	0.0	-1.1	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	410	8
1.86	1.00	5	70	1	1	-17.7	0.0	0.0	34	9	5	16.6	3.0	1	0.0	-19.3	0.0	17.2	43.2	10.6	0.0	44	45	0.0	9	70	8
9	8.28	1	25	1	1	-9.6	0.0	0.0	33	5	3	14.3	3.0	1	0.0	12.0	0.0	30.0	32.2	3.6	0.0	37	21	0.0	9	70	8
109	8.28	3	30	1	1	-9.0	0.0	0.0	33	5	3	14.3	3.0	1	0.0	8.0	0.0	30.0	32.2	3.6	0.0	25	14	0.0	9	60	8
2.5	1.00	5	70	1	1	6.4	0.0	0.0	28	6	2	2.3	9.1	1	0.0	3.9	0.0	10.4	26.1	6.4	0.0	12	15	0.0	20	70	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
28	8.28	1	25	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	5.4	0.0	30.0	32.2	3.6	1.1	17	9	4.5	9	45	8
73	8.28	3	30	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	5	70	1	1	-2.5	0.0	0.0	32	1	1	14.3	3.0	1	0.0	1.7	0.0	10.4	26.1	6.4	1.1	5	7	4.5	20	45	8
29	8.28	1	25	1	1	-7.2	0.0	0.0	33	4	2	14.3	3.0	1	0.0	11.0	0.0	30.0	32.2	3.6	0.0	34	19	0.0	9	45	8
74	8.28	3	30	1	1	-7.2	0.0	0.0	33	4	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	5	70	2	2	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	5.0	0.0	10.4	26.1	6.4	0.0	16	19	0.0	20	45	8
30	8.28	1	25	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	5.4	0.0	30.0	32.2	3.6	1.1	17	9	4.5	9	45	8
75	8.28	3	30	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	5	70	1	1	-2.5	0.0	0.0	32	1	1	14.3	3.0	1	0.0	1.7	0.0	10.4	26.1	6.4	1.1	5	7	4.5	20	45	8
31	8.28	1	25	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	5.4	0.5	30.0	32.2	3.6	1.1	31	13	4.5	9	45	8
76	8.28	3	30	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	5	70	1	1	-2.5	0.0	0.0	32	1	1	14.3	3.0	1	0.0	1.7	0.5	30.0	32.2	3.6	1.1	20	15	4.5	20	45	8
32	8.28	1	25	1	1	-7.1	0.0	0.0	33	4	2	14.3	3.0	1	0.0	10.8	0.0	30.0	32.2	3.6	0.0	33	19	0.0	9	45	8
77	8.28	3	30	1	1	-7.1	0.0	0.0	33	4	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	5	70	1	1	-5.7	0.0	0.0	32	3	2	14.3	3.0	1	0.0	4.9	0.0	10.4	26.1	6.4	0.0	15	19	0.0	20	45	8
33	8.28	1	25	1	1	-3.1	0.0	0.0	32	2	1	14.3	3.0	1	0.0	5.2	0.0	30.0	32.2	3.6	1.1	16	9	4.5	9	45	8
78	8.28	3	30	1	1	-3.1	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	5	70	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.7	0.0	10.4	26.1	6.4	1.1	5	6	4.5	20	45	8
34	8.28	1	25	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	5.3	0.0	30.0	32.2	3.6	1.1	17	9	4.5	9	45	8
79	8.28	3	30	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	5	70	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.7	0.0	10.4	26.1	6.4	1.1	5	7	4.5	20	45	8
35	8.28	1	25	1	1	-7.2	0.0	0.0	33	4	2	14.3	3.0	1	0.0	10.9	0.0	30.0	32.2	3.6	0.5	34	19	2.3	9	45	8
80	8.28	3	30	1	1	-7.2	0.0	0.0	33	4	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0	0	2.3	9	0	8
2.5	1.00	5	70	1	1	-5.7	0.0	0.0	32	3	2	14.3	3.0	1	0.0	5.0	0.0	10.4	26.1	6.4	0.5	15	19	2.3	20	45	8
36	8.28	1	25	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	1	0.0	5.4	-0.5	30.0	32.2	3.6	1.1	31	13	4.5	9	45	8
81	8.28	3	30	1	1	-3.2	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	5	70	1	1	-2.5	0.0	0.0	32	1	1	14.3	3.0	1	0.0	1.7	-0.5	30.0	32.2	3.6	1.1	20	15	4.5	20	45	8
116	8.28	1	5	1	1	0.4	0.0	0.0	29	2	1	6.8	6.8	1	0.0	1.6	0.0	14.4	8.1	2.5	0.0	12	20	0.0	20	24	8
138	8.28	3	40	1	1	0.6	0.0	0.0	29	2	1	6.8	6.8	1	0.0	-1.2	0.0	14.4	8.1	2.5	0.0	9	14	0.0	20	172	8
2.5	1.00	5	24	1	1	-2.6	0.0	0.0	29	10	5	6.8	6.8	1	0.0	-4.0	0.0	14.4	8.1	2.5	0.0	30	50	0.0	20	24	8
24	8.28	1	5	1	1	-5.1	0.0	0.0	0	999	999	6.8	6.8	1	0.0	5.5	0.0	14.4	8.1	2.5	0.0	42	69	0.0	20	24	8
25	8.28	3	40	1	1	2.8	0.0	0.0	30	11	6	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	1	0.0	20	522	8
NoVer.	1.00	5	24	1	1	-5.1	0.0	0.0	0	999	999	6.8	6.8	1	0.0	-5.5	0.0	14.4	8.1	2.5	0.0	42	68	0.0	20	24	8
107	8.28	1	27	1	1	-0.2	0.0	0.0	24	2	1	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
154	8.28	3	24	1	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.3	0.0	8.0	8.0	1.3	0.0	16	16	0.0	20	7	8
2.48	1.00	5	24	1	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.8	0.0	8.0	8.0	1.3	0.0	23	23	0.0	20	24	8
108	8.28	1	27	2	2	-0.1	0.0	0.0	23	1	0	2.3	2.3	2	0.0	0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
111	8.28	3	24	1	1	0.5	0.0	0.0	24	5	2	2.3	2.3	2	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00	5	24	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
109	8.28	1	27	2	2	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
110	8.28	3	24	1	1	0.5	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00	5	24	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
106	8.28	1	27	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
105	8.28	3	24	1	1	0.5	0.0	0.0	24	5	2	2.3	2.3	2	0.0	0.0	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	230	8
2.48	1.00	5	24	5	2	-0.1	0.0	0.0	23	1	0	2.3	2.3	2	0.0	-0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
110	8.28	1	27	1	1	-0.2	0.0	0.0	24	2	1	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
157	8.28	3	24	1	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.3	0.0	8.0	8.0	1.3	0.0	16	16	0.0	20	7	8
2.48	1.00	5	24	1	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.8	0.0	8.0	8.0	1.3	0.0	23	23	0.0	20	24	8
107	8.28	1	27	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
104	8.28	3	24	1	1	0.5	0.0	0.0	24	5	2	2.3	2.3	2	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00	5	24	5	2	0.0	0.0	0.0	23	0	0	2.3	2.3	2	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
151	8.28	1	27	1	1	-1.4	0.0	0.0	24	16	7	2.3	2.3	1	0.0	2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
106	8.28	3	24	1	1	-1.1	0.0	0.0	24	13	5	2.3	2.3	1	0.0	1.6	0.0	8.0	8.0	1.3	0.0	20	20	0.0	20	42	8
2.48	1.00	5	24	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
150	8.28	1	27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.7	0.0	8.0	8.0	1.3	0.0	34	34	0.0	20	24	8
151	8.28	3	24	1	1	0.6	0.0	0.0	24	6	2	2.3	2.3	2	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00	5	24	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	-2.8	0.0	8.0	8.0	1.3	0.0	35	35	0.0	20	24	8
152	8.28	1	27	1	1	-1.7	0.0	0.0	17	52	13	2.3	2.3	1	0.0	3.0	0.0	8.0	8.0	1.3	0.0	38	38	0.0	20	24	8
153	8.28	3	24	1	1	0.6	0.0	0.0	24	7	3	2.3	2.3	1	0.0	0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	252	8
2.48	1.00	5	24	1	1	-1.4	0.0	0.0	24	17	7	2.3	2.3	1	0.0	-2.9	0.0	8.0	8.0	1.3	0.0	36	36	0.0	20	24	8
153	8.28	1	27	1	1	-1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	3.0	0.0	8.0	8.0	1.3	0.0	37	37	0.0	20	24	8
150	8.28	3	24	1	1	0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00	5	24	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	-2.9	0.0	8.0	8.0	1.3	0.0	36	37	0.0	20	24	8
154	8.28	1	27	1	1	-0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	2.8	0.0	8.0	8.0	1.3	0.0	35	35	0.0	20	24	8
152	8.28	3	24	1	1	1.2	0.0	0.0	24	14	5	2.3	2.3	1	0.0	-0.2	0.0	8.0	8.0	1.3	0.0	3	3	0.0	20	267	8
2.48	1.00	5	24	1	1	-1.7	0.0	0.0	16	71	17	2.3	2.3	1	0.0	-3.4	0.0	8.0	8.0	1.3	0.0	42	42	0.0	20	24	8
155	8.28	1	27	1	1	-1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	3.0	0.0	8.0	8.0	1.3	0.0	37	37	0.0	20	24	8
158	8.28	3	24	1	1	0.8	0.0	0.0	24	9	4	2.3	2.3	2	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00	5	24	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	-2.9	0.0	8.0	8.0	1.3	0.0	36	37	0.0	20	24	8
156	8.28	1	27	1	1	-1.7	0.0	0.0	17	54	13	2.3	2.3	1	0.0	3.0	0.0	8.0	8.0	1.3	0.0	38	38	0.0	20	24	8
155	8.28	3	24	1	1	0.6	0.0	0.0	24	7	3	2.3	2.3	1	0.0	0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	252	8
2.48	1.00	5	24	1	1	-1.4	0.0	0.0	24	17	7	2.3	2.3	1	0.0	-2.9	0.0	8.0	8.0	1.3	0.0	36	36	0.0	20	24	8
157	8.28	1	27	1	1	-0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	2.8	0.0	8.0	8.0	1.3	0.0	35	35	0.0	20	24	8
156	8.28	3	24	1	1	1.2	0.0	0.0	24	14	5	2.3	2.3	1	0.0	-0.2	0.0	8.0	8.0	1.3	0.0	3	3	0.0	20	267	8
2.48	1.00	5	24	1	1	-1.7	0.0	0.0	16	69	16	2.3	2.3	1	0.0	-3.4	0.0	8.0	8.0	1.3	0.0	42	42	0.0	20	24	8
158	8.28	1	27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.7	0.0	8.0	8.0	1.3	0.0	34	34	0.0	20	24	8
159	8.28	3	24	1	1	0.6	0.0	0.0	24	6	2	2.3	2.3	2	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00	5	24	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	-2.8	0.0	8.0	8.0	1.3	0.0	35	35	0.0	20	24	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
159	8.28		27	1	1	-1.4	0.0	0.0	24	16	7	2.3	2.3	1	0.0	2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
111	8.28		24	3	1	-1.1	0.0	0.0	24	13	5	2.3	2.3	1	0.0	1.6	0.0	8.0	8.0	1.3	0.0	20	20	0.0	20	42	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
138	8.28		5	1	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8
139	8.28		40	3	1	0.0	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	112	8
2.5	1.00		24	5	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8
139	8.28		5	1	1	-2.6	0.0	0.0	29	10	5	6.8	6.8	1	0.0	4.1	0.0	14.4	8.1	2.5	0.0	31	50	0.0	20	24	8
117	8.28		40	3	1	0.6	0.0	0.0	29	2	1	6.8	6.8	1	0.0	1.3	0.0	14.4	8.1	2.5	0.0	10	16	0.0	20	172	8
2.5	1.00		24	5	1	0.4	0.0	0.0	29	2	1	6.8	6.8	1	0.0	-1.6	0.0	14.4	8.1	2.5	0.0	12	20	0.0	20	24	8
165	8.28		7	1	1	-0.1	0.0	0.0	20	0	0	6.0	4.6	1	0.0	1.3	0.0	25.0	38.9	12.9	0.0	2	3	0.0	15	60	8
167	8.28		40	3	2	0.3	0.0	0.0	18	1	0	6.0	4.6	2	0.0	-0.1	0.0	25.0	38.9	12.9	0.0	0	0	0.0	15	15	8
2.5	1.00		60	5	1	-0.3	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-1.6	0.0	25.0	38.9	12.9	0.0	3	4	0.0	15	60	8
167	8.28		33	1	1	-0.7	0.0	0.0	26	2	1	7.7	7.7	1	0.0	0.9	0.0	38.9	13.9	6.4	0.0	3	6	0.0	15	24	8
168	8.28		60	3	2	0.4	0.0	0.0	26	1	1	7.7	7.7	1	0.0	0.0	0.0	38.9	13.9	6.4	0.0	0	0	0.0	15	442	8
2.5	1.00		24	5	2	-0.7	0.0	0.0	26	3	1	7.7	7.7	1	0.0	-0.9	0.0	38.9	13.9	6.4	0.0	3	6	0.0	15	24	8
165	8.28		32	1	1	-0.4	0.3	0.0	25	1	1	7.7	7.7	1	0.2	0.6	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
142	8.28		70	3	2	0.1	-0.2	0.0	25	0	0	7.7	7.7	1	0.2	0.1	0.0	38.3	33.9	4.3	0.0	1	1	0.0	15	197	8
2.5	1.00		24	5	2	-0.1	-0.3	0.0	25	0	0	7.7	7.7	2	0.2	-0.4	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
166	8.28		7	1	1	-0.3	0.0	0.0	20	0	0	6.0	4.6	1	0.0	1.5	0.0	25.0	38.9	12.9	0.0	3	4	0.0	15	60	8
168	8.28		40	3	2	0.2	0.0	0.0	18	0	0	6.0	4.6	1	0.0	0.1	0.0	25.0	38.9	12.9	0.0	0	0	0.0	15	15	8
2.5	1.00		60	5	1	-0.3	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-1.5	0.0	25.0	38.9	12.9	0.0	3	4	0.0	15	60	8
105	8.28		25	1	1	7.5	0.0	0.0	28	6	3	2.3	9.1	1	0.0	2.9	0.0	10.4	26.1	6.4	0.0	9	11	0.0	20	70	8
10	8.28		30	3	1	7.6	0.0	0.0	13	19	3	16.6	3.0	1	0.0	-5.7	0.0	30.0	32.2	3.6	0.0	18	10	0.0	9	210	8
2.5	1.00		70	5	1	-13.3	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-14.3	0.0	30.0	32.2	3.6	0.0	44	25	0.0	9	70	8
104	8.28		25	1	1	6.6	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-3.8	0.0	10.4	26.1	6.4	0.0	12	14	0.0	20	70	8
28	8.28		30	3	1	-8.5	0.0	0.0	33	5	2	14.3	3.0	1	0.0	-7.8	0.0	30.0	32.2	3.6	0.0	24	13	0.0	9	60	8
2.5	1.00		70	5	1	-9.0	0.0	0.0	33	5	3	14.3	3.0	1	0.0	-11.9	0.0	30.0	32.2	3.6	0.0	37	20	0.0	9	70	8
116	8.28		25	1	1	3.8	0.0	0.0	13	9	1	16.6	3.0	1	0.0	6.1	0.0	17.2	43.2	10.6	0.0	14	14	0.0	9	70	8
30	8.28		30	3	1	5.2	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-1.8	0.0	7.8	19.4	4.8	0.0	4	9	0.0	20	295	8
1.86	1.00		70	5	1	-8.2	0.0	0.0	33	5	2	14.3	3.0	1	0.0	-9.9	0.0	17.2	43.2	10.6	0.0	23	23	0.0	9	70	8
117	8.28		25	1	1	3.8	0.0	0.0	13	9	1	16.6	3.0	1	0.0	6.1	0.0	17.2	43.2	10.6	0.0	14	14	0.0	9	70	8
31	8.28		30	3	1	5.3	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-1.8	0.0	7.8	19.4	4.8	0.0	4	9	0.0	20	295	8
1.86	1.00		70	5	1	-8.0	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-9.9	0.0	17.2	43.2	10.6	0.0	23	23	0.0	9	70	8
118	8.28		25	1	1	3.6	0.0	0.0	13	9	1	16.6	3.0	1	0.0	3.5	0.0	17.2	43.2	10.6	1.4	8	8	4.5	9	70	8
165	8.28		30	3	1	3.7	0.0	0.0	28	3	1	2.3	9.1	1	0.0	-3.4	0.0	7.8	19.4	4.8	0.0	8	18	0.0	20	250	8
1.86	1.00		70	5	1	-11.4	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-10.4	0.0	17.2	43.2	10.6	0.0	24	24	0.0	9	70	8
119	8.28		25	1	1	3.6	0.0	0.0	13	9	1	16.6	3.0	1	0.0	3.8	0.0	17.2	43.2	10.6	1.4	9	9	4.5	9	70	8
166	8.28		30	3	1	3.8	0.0	0.0	28	3	1	2.3	9.1	1	0.0	-3.3	0.0	7.8	19.4	4.8	0.0	8	17	0.0	20	250	8
1.86	1.00		70	5	1	-11.2	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-10.4	0.0	17.2	43.2	10.6	0.0	24	24	0.0	9	70	8
142	8.28		32	1	1	-0.1	-0.3	0.0	25	0	0	7.7	7.7	1	-0.2	0.4	0.0	34.8	10.7	6.2	0.0	3	4	0.0	15	24	8
166	8.28		70	3	2	0.1	-0.2	0.0	25	0	0	7.7	7.7	1	-0.2	-0.1	0.0	25.8	23.2	2.7	0.0	1	1	0.0	15	197	8
2.5	1.00		24	5	1	-0.3	0.3	0.0	25	1	0	7.7	7.7	1	-0.2	-0.6	0.0	34.8	10.7	6.2	0.0	3	5	0.0	15	24	8
108	8.28		25	1	1	7.0	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-3.5	0.0	10.4	26.1	6.4	0.0	11	13	0.0	20	70	8
36	8.28		30	3	1	-7.6	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-7.6	0.0	30.0	32.2	3.6	0.0	23	13	0.0	9	60	8
2.5	1.00		70	5	1	-8.1	0.0	0.0	33	5	2	14.3	3.0	1	0.0	-11.6	0.0	30.0	32.2	3.6	0.0	36	20	0.0	9	70	8
109	8.28		25	1	1	7.4	0.0	0.0	28	6	3	2.3	9.1	1	0.0	3.2	0.0	10.4	26.1	6.4	0.0	10	12	0.0	20	70	8
18	8.28		30	3	1	7.4	0.0	0.0	13	18	3	16.6	3.0	1	0.0	-5.4	0.0	30.0	32.2	3.6	0.0	17	9	0.0	9	210	8
2.5	1.00		70	5	1	-12.6	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-14.0	0.0	30.0	32.2	3.6	0.0	44	24	0.0	9	70	8
134	10.86		2	1	1	-0.3	0.0	0.0	19	2	0	3.0	5.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
129	10.86		30	3	1	-4.6	0.0	0.0	29	11	5	6.2	2.3	1	0.0	-3.5	0.0	10.4	14.4	3.4	0.4	20	25	2.3	20	110	8
2.5	1.00		40	5	1	-6.7	0.0	0.0	30	16	8	6.2	2.3	1	0.0	-7.1	0.0	10.4	14.4	3.4	0.4	40	49	2.3	20	40	8
129	10.86		2	1	1	-0.1	0.0	0.3	19	0	0	6.2	2.3	1	0.0	0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
130	9.14		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	169	8
2.5	1.00		40	5	1	-0.1	0.0	-0.3	38	0	0	6.2	2.3	1	0.0	-0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
130	9.14		2	1	1	-6.7	0.0	0.0	30	16	8	6.2	2.3	1	0.0	7.1	0.0	10.4	14.4	3.4	0.4	40	49	2.3	20	40	8
135	9.14		30	3	1	-4.6	0.0	0.0	29	11	5	6.2	2.3	1	0.0	3.5	0.0	10.4	14.4	3.4	0.4	20	25	2.3	20	110	8
2.5	1.00		40	5	1	-0.3	0.0	0.0	19	2	0	3.0	5.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
136	10.86		2	1	1	-0.3	0.0	0.0	19	1	0	3.0	5.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
132	10.86		30	3	1	-4.1	0.0	0.0	29	10	4	6.2	2.3	1	0.0	-3.2	0.0	10.4	14.4	3.4	0.4	18	22	2.3	20	110	8
2.5	1.00		40	5	1	-6.0	0.0	0.0	29	14	7	6.2	2.3	1	0.0	-6.3	0.0	10.4	14.4	3.4	0.4	36	44	2.3	20	40	8
132	10.86		2	1	1	-0.1	0.0	0.3	19	0	0	6.2	2.3	1	0.0	0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
133	9.14		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	169	8
2.5	1.00		40	5	1	-0.1	0.0	-0.3	38	0	0	6.2	2.3	1	0.0	-0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
133	9.14		2	1	1	-6.7	0.0	0.0	30	16	8	6.2	2.3	1	0.0	7.1	0.0	10.4	14.4	3.4	0.4	40	49	2.3	20	40	8
137	9.14		30	3	1	-4.6	0.0	0.0	29	11	5	6.2	2.3	1	0.0	3.5	0.0	10.4	14.4	3.4	0.4	20	25	2.3	20	110	8
2.5	1.00		40	5	1	-0.3	0.0	0.0	19	2	0	3.0	5.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
82	11.72		25	1	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	-1.7	0.0	10.4	26.1	6.3	1.1	5	7	4.5	20	65	8
1	11.72		30	3	1	-4.5	0.0	0.0	24	4	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-4.5	0.0	0.0	33	2	1	15.1	3.1	1	0.0	-5.2	0.0	29.9	32.2	3.6	1.1	16	9	4.5	9	65	8
10	11.72		25	1	1	-8.5	0.0	0.0	36	4	2	18.2	3.1	1	0.0	9.0	0.0	17.2	43.1	10.4	0.0	21	21	0.0	9	70	8
19	11.72		30	3	1	4.2	0.0	0.0	27	4	1	3.1	9.1	1	0.0	-0.1	0.0	7.7	19.4	4.7	0.0	0	1	0.0	20	430	8
1.86	1.00		70	5	1	-8.8	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-9.0	0.0	17.2	43.1	10.4	0.0	21	21	0.0	9	70	8
19	11.72		25	1	1	-8.6	0.0	0.0	36	4	2	18.2	3.1	1	0.0	9.4	0.0	29.9	32.2	3.6	0.0	29	16	0.0	9	70	8
104	11.72		30	3	1	5.5	0.0	0.0	12	14	2	18.2	3.1	1	0.0	3.8	0.0	29.9	32.2	3.6	0.0	12	7	0.0	9	215	8
2.5	1.00		70	5	1	5.5	0.0	0.0	27	5	2	3.1	9.1	1	0.0	-1.8	0.0	10.4	26.1	6.3	0.0	5	7	0.0	20	70	8
83	11.72		25	1	1	-2.0	0.0	0.0	24	2	1	9.1	9.1	2	0.0	-1.7	0.5	29.9	32.2	3.6	1.1	20	15	4.5	20	65	8
2	11.72		30	3	1	-4.5	0.0	0.0	24	4	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-4.5	0.0	0.0	33	2	1	15.1	3.1	1	0.0	-5.3	0.5	29.9	32.2	3.6	1.1	31	13	4.5	9	65	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
84	11.72		25	1	1	-1.7	0.0	0.0	24	1	1	9.1	9.1	1	0.0	-1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
3	11.72		30	3	1	-4.1	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-4.1	0.0	0.0	33	2	1	15.1	3.1	1	0.0	-4.9	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
85	11.72		25	1	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	-3.7	0.0	10.4	26.1	6.3	0.0	12	14	0.0	20	65	8
4	11.72		30	3	1	-8.4	0.0	0.0	25	7	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-8.4	0.0	0.0	33	4	2	15.1	3.1	1	0.0	-9.1	0.0	29.9	32.2	3.6	0.0	28	16	0.0	9	65	8
86	11.72		25	1	1	-3.5	0.0	0.0	24	3	1	9.1	9.1	1	0.0	-3.2	0.0	10.4	26.1	6.3	0.0	10	12	0.0	20	65	8
5	11.72		30	3	1	-7.7	0.0	0.0	25	7	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-7.7	0.0	0.0	33	4	2	15.1	3.1	1	0.0	-8.6	0.0	29.9	32.2	3.6	0.0	27	15	0.0	9	65	8
6	11.72		25	1	1	-9.7	0.0	0.0	33	5	3	15.1	3.1	1	0.0	11.2	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
15	11.72		30	3	1	5.8	0.0	0.0	27	5	2	3.1	9.1	2	0.0	-0.4	0.0	7.7	19.4	4.7	0.0	1	2	0.0	20	425	8
1.86	1.00		70	5	1	-11.3	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.8	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
7	11.72		25	1	1	-6.7	0.0	0.0	33	4	2	15.1	3.1	1	0.0	10.7	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
16	11.72		30	3	1	7.3	0.0	0.0	27	6	3	3.1	9.1	2	0.0	-1.0	0.0	7.7	19.4	4.7	0.0	2	5	0.0	20	425	8
1.86	1.00		70	5	1	-11.9	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-12.6	0.0	17.2	43.1	10.4	0.0	29	29	0.0	9	70	8
89	11.72		25	1	1	-2.0	0.0	0.0	24	2	1	9.1	9.1	1	0.0	-1.7	-0.5	29.9	32.2	3.6	1.1	20	15	4.5	20	65	8
8	11.72		30	3	1	-4.5	0.0	0.0	24	4	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-4.5	0.0	0.0	33	2	1	15.1	3.1	1	0.0	-5.3	-0.5	29.9	32.2	3.6	1.1	31	13	4.5	9	65	8
90	11.72		25	1	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	-1.7	0.0	10.4	26.1	6.3	1.1	5	7	4.5	20	65	8
9	11.72		30	3	1	-4.5	0.0	0.0	24	4	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-4.5	0.0	0.0	33	2	1	15.1	3.1	1	0.0	-5.2	0.0	29.9	32.2	3.6	1.1	16	9	4.5	9	65	8
11	11.72		25	1	1	-11.6	0.0	0.0	36	5	3	18.2	3.1	1	0.0	12.0	0.0	17.2	43.1	10.4	0.0	28	28	0.0	9	70	8
20	11.72		30	3	1	5.6	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.0	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	430	8
1.86	1.00		70	5	1	-11.1	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.8	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
12	11.72		25	1	1	-11.9	0.0	0.0	36	5	3	18.2	3.1	1	0.0	12.1	0.0	17.2	43.1	10.4	0.0	28	28	0.0	9	70	8
21	11.72		30	3	1	5.9	0.0	0.0	27	5	2	3.1	9.1	2	0.0	0.2	0.0	7.7	19.4	4.7	0.0	1	1	0.0	20	430	8
1.86	1.00		70	5	1	-10.0	0.0	0.0	36	4	3	18.2	3.1	1	0.0	-11.5	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
13	11.72		25	1	1	-11.6	0.0	0.0	36	5	3	18.2	3.1	1	0.0	12.2	0.0	17.2	43.1	10.4	0.0	28	28	0.0	9	70	8
22	11.72		30	3	1	6.3	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.3	0.0	7.7	19.4	4.7	0.0	1	1	0.0	20	430	8
1.86	1.00		70	5	1	-9.4	0.0	0.0	36	4	3	18.2	3.1	1	0.0	-11.4	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
14	11.72		25	1	1	-11.2	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.8	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
23	11.72		30	3	1	5.7	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.0	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	430	8
1.86	1.00		70	5	1	-10.9	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.7	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
15	11.72		25	1	1	-11.8	0.0	0.0	36	5	3	18.2	3.1	1	0.0	12.2	0.0	17.2	43.1	10.4	0.0	28	28	0.0	9	70	8
24	11.72		30	3	1	6.3	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.4	0.0	7.7	19.4	4.7	0.0	1	2	0.0	20	430	8
1.86	1.00		70	5	1	-8.7	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-11.1	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
16	11.72		25	1	1	-12.2	0.0	0.0	36	6	3	18.2	3.1	1	0.0	12.3	0.0	17.2	43.1	10.4	0.0	28	29	0.0	9	70	8
25	11.72		30	3	1	6.2	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.5	0.0	7.7	19.4	4.7	0.0	1	2	0.0	20	430	8
1.86	1.00		70	5	1	-9.0	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-11.2	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
17	11.72		25	1	1	-12.0	0.0	0.0	36	5	3	18.2	3.1	1	0.0	12.1	0.0	17.2	43.1	10.4	0.0	28	28	0.0	9	70	8
26	11.72		30	3	1	5.6	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.1	0.0	7.7	19.4	4.7	0.0	0	1	0.0	20	430	8
1.86	1.00		70	5	1	-10.7	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.7	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
18	11.72		25	1	1	-8.9	0.0	0.0	36	4	2	18.2	3.1	1	0.0	9.1	0.0	17.2	43.1	10.4	0.0	21	21	0.0	9	70	8
27	11.72		30	3	1	4.2	0.0	0.0	27	4	1	3.1	9.1	1	0.0	0.0	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	430	8
1.86	1.00		70	5	1	-8.4	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-8.9	0.0	17.2	43.1	10.4	0.0	21	21	0.0	9	70	8
20	11.72		25	1	1	-10.9	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.9	0.0	17.2	43.1	10.4	0.0	28	28	0.0	9	70	8
29	11.72		30	3	1	6.1	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.0	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	425	8
1.86	1.00		70	5	1	-10.2	0.0	0.0	33	5	3	15.1	3.1	1	0.0	-11.7	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
21	11.72		25	1	1	-9.3	0.0	0.0	36	4	3	18.2	3.1	1	0.0	11.6	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	60	8
116	11.72		30	3	1	-9.3	0.0	0.0	36	4	3	18.2	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	1.6	0.0	0.0	12	4	1	18.2	3.1	1	0.0	6.6	0.0	17.2	43.1	10.4	0.0	15	15	0.0	9	60	8
22	11.72		25	1	1	-8.8	0.0	0.0	36	4	2	18.2	3.1	1	0.0	9.9	0.0	17.2	43.1	10.4	0.0	23	23	0.0	9	60	8
117	11.72		30	3	1	-8.8	0.0	0.0	36	4	2	18.2	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.1	0.0	0.0	12	0	0	18.2	3.1	1	0.0	5.0	0.0	17.2	43.1	10.4	0.0	11	11	0.0	9	60	8
23	11.72		25	1	1	-11.0	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.9	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
32	11.72		30	3	1	6.0	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.1	0.0	7.7	19.4	4.7	0.0	0	1	0.0	20	425	8
1.86	1.00		70	5	1	-9.9	0.0	0.0	33	5	3	15.1	3.1	1	0.0	-11.4	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
24	11.72		25	1	2	-3.0	0.0	0.0	35	1	1	18.2	3.1	1	0.0	6.9	0.0	17.2	43.1	10.4	1.4	16	16	4.5	9	60	8
118	11.72		30	3	1	2.7	0.0	0.0	12	6	1	18.2	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	2.7	0.0	0.0	12	6	1	18.2	3.1	2	0.0	2.1	0.0	17.2	43.1	10.4	1.4	5	5	4.5	9	60	8
25	11.72		25	1	2	-3.3	0.0	0.0	35	1	1	18.2	3.1	1	0.0	7.1	0.0	17.2	43.1	10.4	0.0	17	17	0.0	9	60	8
119	11.72		30	3	2	-3.3	0.0	0.0	35	1	1	18.2	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	2.6	0.0	0.0	12	6	1	18.2	3.1	2	0.0	2.3	0.0	17.2	43.1	10.4	0.0	5	5	0.0	9	60	8
26	11.72		25	1	1	-11.1	0.0	0.0	36	5	3	18.2	3.1	1	0.0	12.0	0.0	17.2	43.1	10.4	0.0	28	28	0.0	9	70	8
35	11.72		30	3	1	6.2	0.0	0.0	27	5	2	3.1	9.1	2	0.0	0.1	0.0	7.7	19.4	4.7	0.0	0	1	0.0	20	425	8
1.86	1.00		70	5	1	-9.8	0.0	0.0	33	5	3	15.1	3.1	1	0.0	-11.5	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
27	11.72		25	1	1	-9.0	0.0	0.0	36	4	2	18.2	3.1	1	0.0	9.6	0.0	29.9	32.2	3.6	0.0	30	17	0.0	9	70	8
108	11.72		30	3	1	5.6	0.0	0.0	12	14	2	18.2	3.1	1	0.0	4.0	0.0	29.9	32.2	3.6	0.0	13	7	0.0	9	215	8
2.5	1.00		70	5	1	5.6	0.0	0.0	27	5	2	3.1	9.1	1	0.0	-1.6	0.0	10.4	26.1	6.3	0.0	5	6	0.0	20	70	8
82	11.72		5	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
83	11.72		40	3	2	2.1	0.0	0.0	32	8	5	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00		24	5	2	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
2	11.72		5	1	1	-1.6	0.0	0.0	31	6	3	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
3	11.72		40	3	1	0.9	0.0	0.0	31	3	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-1.4	0.0	0.0	31	5	3	7.1	3.1	1	0.0	-1.6	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
84	11.72		5	1	1	-0.4	0.0	0.0	31	1	1	7.1	3.1	1	0.0	1.4	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
85	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	552	8
2.48	1.00		24	5	2	-2.1	0.0	0.0	32	8	5	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
85	11.72		5	1	2	-2.0	0.0	0.0	31	8	4	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
86	11.72		40	3	1	0.8	0.0	0.0	31	3	2	3.1	7.1	1	0.0	0.1	0.0	14.2	8.0	2.4	0.0	1	1	0.0	20	567	8
2.48	1.00		24	5	1	-1.6	0.0	0.0	31	6	3	7.1	3.1	1	0.0	-1.6	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
86	11.72		5	1	1	-1.6	0.0	0.0	31	6	3	7.1	3.1	1	0.0	1.6	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
87	11.72		40	3	1	0.7	0.0	0.0	31	3	2	3.1	7.1	1	0.0	-0.1	0.0	14.2	8.0	2.4	0.0	0	1	0.0	20	547	8
2.48	1.00		24	5	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
87	11.72		5	1	2	-2.0	0.0	0.0	31	8	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
88	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	3	0.0	20	552	8
2.48	1.00		24	5	2	-0.4	0.0	0.0	31	1	1	7.1	3.1	1	0.0	-1.4	0.0	23.7	13.3	4.0	0.0	11	11	0.0	12	24	8
7	11.72		5	1	1	-1.5	0.0	0.0	31	6	3	7.1	3.1	1	0.0	1.6	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
8	11.72		40	3	1	0.9	0.0	0.0	31	3	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	532	8
2.48	1.00		24	5	2	-1.5	0.0	0.0	31	5	3	7.1	3.1	1	0.0	-1.6	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
89	11.72		5	1	2	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
90	11.72		40	3	1	2.1	0.0	0.0	32	8	5	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00		24	5	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
91	11.72		5	1	1	-0.3	0.0	0.0	31	1	1	7.1	3.1	1	0.0	1.4	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
92	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	567	8
2.48	1.00		24	5	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	2	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
92	11.72		5	1	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.1	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
93	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	3	4	0.0	20	567	8
2.48	1.00		24	5	1	-0.3	0.0	0.0	31	1	1	7.1	3.1	1	0.0	-1.4	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
94	11.72		5	1	1	-0.3	0.0	0.0	31	1	1	7.1	3.1	1	0.0	1.4	0.0	23.7	13.3	4.0	0.0	10	11	0.0	12	24	8
95	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	567	8
2.48	1.00		24	5	2	-2.3	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
95	11.72		5	1	2	-2.3	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
96	11.72		40	3	1	1.3	0.0	0.0	31	5	3	3.1	7.1	2	0.0	0.3	0.0	14.2	8.0	2.4	0.0	3	4	0.0	20	547	8
2.48	1.00		24	5	1	-0.3	0.0	0.0	31	1	1	7.1	3.1	1	0.0	-1.3	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
97	11.72		5	1	1	-0.3	0.0	0.0	31	1	1	7.1	3.1	1	0.0	1.4	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
98	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	3	4	0.0	20	562	8
2.48	1.00		24	5	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
98	11.72		5	1	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
99	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	3	4	0.0	20	567	8
2.48	1.00		24	5	1	-0.3	0.0	0.0	31	1	1	7.1	3.1	1	0.0	-1.4	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
87	11.72		25	1	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	-3.7	0.0	10.4	26.1	6.3	0.0	11	14	0.0	20	65	8
6	11.72		30	3	1	-8.2	0.0	0.0	25	7	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-8.2	0.0	0.0	33	4	2	15.1	3.1	1	0.0	-9.0	0.0	29.9	32.2	3.6	0.0	28	15	0.0	9	65	8
88	11.72		25	1	1	-1.7	0.0	0.0	24	1	1	9.1	9.1	1	0.0	-1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
7	11.72		30	3	1	-4.1	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-4.1	0.0	0.0	33	2	1	15.1	3.1	1	0.0	-4.9	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
1	11.72		25	1	1	-5.9	0.0	0.0	33	3	2	15.1	3.1	1	0.0	8.1	0.0	29.9	32.2	3.6	0.0	25	14	0.0	9	70	8
105	11.72		30	3	1	-5.1	0.0	0.0	33	3	1	15.1	3.1	1	0.0	5.2	0.0	29.9	32.2	3.6	0.0	16	9	0.0	9	70	8
2.5	1.00		70	5	1	5.0	0.0	0.0	27	4	2	3.1	9.1	1	0.0	2.4	0.0	10.4	26.1	6.3	0.0	7	9	0.0	20	70	8
2	11.72		25	1	1	-6.8	0.0	0.0	33	4	2	15.1	3.1	1	0.0	10.9	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
11	11.72		30	3	1	7.5	0.0	0.0	27	6	3	3.1	9.1	1	0.0	-1.0	0.0	7.7	19.4	4.7	0.0	2	5	0.0	20	425	8
1.86	1.00		70	5	1	-11.8	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-12.7	0.0	17.2	43.1	10.4	0.0	29	29	0.0	9	70	8
3	11.72		25	1	1	-6.5	0.0	0.0	33	3	2	15.1	3.1	1	0.0	10.7	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
12	11.72		30	3	1	7.5	0.0	0.0	27	6	3	3.1	9.1	2	0.0	-1.1	0.0	7.7	19.4	4.7	0.0	2	6	0.0	20	425	8
1.86	1.00		70	5	1	-11.9	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-12.6	0.0	17.2	43.1	10.4	0.0	29	29	0.0	9	70	8
4	11.72		25	1	1	-9.7	0.0	0.0	33	5	3	15.1	3.1	1	0.0	11.4	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
13	11.72		30	3	1	6.0	0.0	0.0	27	5	2	3.1	9.1	1	0.0	-0.4	0.0	7.7	19.4	4.7	0.0	1	2	0.0	20	425	8
1.86	1.00		70	5	1	-11.4	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-12.0	0.0	17.2	43.1	10.4	0.0	28	28	0.0	9	70	8
5	11.72		25	1	1	-9.4	0.0	0.0	33	5	3	15.1	3.1	1	0.0	11.3	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
14	11.72		30	3	1	6.2	0.0	0.0	27	5	2	3.1	9.1	1	0.0	-0.4	0.0	7.7	19.4	4.7	0.0	1	2	0.0	20	425	8
1.86	1.00		70	5	1	-11.1	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-12.0	0.0	17.2	43.1	10.4	0.0	28	28	0.0	9	70	8
8	11.72		25	1	1	-7.2	0.0	0.0	33	4	2	15.1	3.1	1	0.0	11.0	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
17	11.72		30	3	1	7.3	0.0	0.0	27	6	3	3.1	9.1	2	0.0	-0.9	0.0	7.7	19.4	4.7	0.0	2	5	0.0	20	425	8
1.86	1.00		70	5	1	-11.6	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-12.6	0.0	17.2	43.1	10.4	0.0	29	29	0.0	9	70	8
9	11.72		25	1	1	-6.6	0.0	0.0	33	3	2	15.1	3.1	1	0.0	8.3	0.0	29.9	32.2	3.6	0.0	26	14	0.0	9	70	8
109	11.72		30	3	1	-5.7	0.0	0.0	33	3	2	15.1	3.1	1	0.0	5.4	0.0	29.9	32.2	3.6	0.0	17	9	0.0	9	70	8
2.5	1.00		70	5	1	4.8	0.0	0.0	27	4	2	3.1	9.1	1	0.0	2.6	0.0	10.4	26.1	6.3	0.0	8	10	0.0	20	70	8
28	11.72		25	1	1	-4.1	0.0	0.0	33	2	1	15.1	3.1	1	0.0	4.9	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
91	11.72		30	3	1	-4.1	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-1.7	0.0	0.0	24	1	1	9.1	9.1	1	0.0	1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
29	11.72		25	1	1	-8.9	0.0	0.0	33	5	3	15.1	3.1	1	0.0	9.5	0.0	29.9	32.2	3.6	0.0	30	16	0.0	9	65	8
92	11.72		30	3	1	-8.9	0.0	0.0	25	8	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	4.1	0.0	10.4	26.1	6.3	0.0	13	16	0.0	20	65	8
30	11.72		25	1	1	-4.1	0.0	0.0	33	2	1	15.1	3.1	1	0.0	4.9	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
93	11.72		30	3	1	-4.1	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-1.7	0.0	0.0	24	1	1	9.1	9.1	1	0.0	1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
31	11.72		25	1	1	-4.1	0.0	0.0	33	2	1	15.1	3.1	1	0.0	4.9	0.0	29.9	32.2	3.6	1.1	15	9	4.5	9	65	8
94	11.72		30	3	1	-4.1	0.0	0.0	24	4	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-1.7	0.0	0.0	24	1	1	9.1	9.1	1	0.0	1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
32	11.72		25	1	1	-8.7	0.0	0.0	33	5	3	15.1	3.1	1	0.0	9.4	0.0	29.9	32.2	3.6	0.0	29	16	0.0	9	65	8
95	11.72		30	3	1	-8.7	0.0	0.0	25	7	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	2	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	4.0	0.0	10.4	26.1	6.3	0.0	13	15	0.0	20	65	8
33	11.72		25	1	1	-4.0	0.0	0.0	33	2	1	15.1	3.1	1	0.0	4.8	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
96	11.72		30	3	1	-4.0	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-1.7	0.0	0.0	24	1	0	9.1	9.1	1	0.0	1.3	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
34	11.72		25	1	1	-4.1	0.0	0.0	33	2	1	15.1	3.1	1	0.0	4.9	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
97	11.72		30	3	1	-4.1	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-1.7	0.0	0.0	24	1	1	9.1	9.1	1	0.0	1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
35	11.72		25	1	1	-8.8	0.0	0.0	33	5	3	15.1	3.1	1	0.0	9.5	0.0	29.9	32.2	3.6	0.0	29	16	0.0	9	65	8
98	11.72		30	3	1	-8.8	0.0	0.0	25	8	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	2	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	4.1	0.0	10.4	26.1	6.3	0.0	13	16	0.0	20	65	8
36	11.72		25	1	1	-4.1	0.0	0.0	33	2	1	15.1	3.1	1	0.0	4.9	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
99	11.72		30	3	1	-4.1	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-1.7	0.0	0.0	24	1	1	9.1	9.1	1	0.0	1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
109	11.72		27	1	2	0.0	0.0	0.0	23	1	0	2.3	2.3	2	0.0	0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
110	11.72		24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
107	11.72		27	1	1	-0.2	0.0	0.0	24	2	1	2.3	2.3	1	0.0	-0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
154	11.72		24	3	1	-0.6	0.0	0.0	24	6	2	2.3	2.3	1	0.0	-1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	7	8
2.48	1.00		24	5	1	-0.6	0.0	0.0	24	6	2	2.3	2.3	1	0.0	-1.4	0.0	8.0	8.0	1.3	0.0	17	17	0.0	20	24	8
108	11.72		27	1	2	-0.1	0.0	0.0	23	1	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
111	11.72		24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
116	11.72		5	1	1	0.4	0.0	0.0	29	2	1	6.8	6.8	1	0.0	1.9	0.0	14.4	8.1	2.5	0.0	14	23	0.0	20	24	8
138	11.72		40	3	1	-0.7	0.0	0.0	29	3	1	6.8	6.8	1	0.0	-1.4	0.0	14.4	8.1	2.5	0.0	10	17	0.0	20	172	8
2.5	1.00		24	5	1	-3.1	0.0	0.0	30	12	6	6.8	6.8	1	0.0	-4.8	0.0	14.4	8.1	2.5	0.0	36	59	0.0	20	24	8
24	11.72		5	1	1	-4.6	0.0	0.0	30	18	10	6.8	6.8	1	0.0	5.0	0.0	14.4	8.1	2.5	0.0	38	62	0.0	20	24	8
25	11.72		40	3	1	2.5	0.0	0.0	29	10	5	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	522	8
2.5	1.00		24	5	1	-4.6	0.0	0.0	30	18	10	6.8	6.8	1	0.0	-5.0	0.0	14.4	8.1	2.5	0.0	38	62	0.0	20	24	8
106	11.72		27	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
105	11.72		24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00		24	5	2	-0.1	0.0	0.0	23	1	0	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
110	11.72		27	1	1	-0.2	0.0	0.0	24	2	1	2.3	2.3	1	0.0	-0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
157	11.72		24	3	1	-0.6	0.0	0.0	24	6	2	2.3	2.3	1	0.0	-1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	7	8
2.48	1.00		24	5	1	-0.6	0.0	0.0	24	6	2	2.3	2.3	1	0.0	-1.4	0.0	8.0	8.0	1.3	0.0	17	17	0.0	20	24	8
107	11.72		27	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
104	11.72		24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00		24	5	2	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
151	11.72		27	1	1	-1.1	0.0	0.0	24	12	5	2.3	2.3	1	0.0	1.8	0.0	8.0	8.0	1.3	0.0	22	22	0.0	20	24	8
106	11.72		24	3	1	-0.8	0.0	0.0	24	10	4	2.3	2.3	1	0.0	1.2	0.0	8.0	8.0	1.3	0.0	15	15	0.0	20	42	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
150	11.72		27	1	1	-0.9	0.0	0.0	24	10	4	2.3	2.3	1	0.0	1.8	0.0	8.0	8.0	1.3	0.0	22	22	0.0	20	24	8
151	11.72		24	3	1	0.3	0.0	0.0	24	4	1	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00		24	5	1	-1.1	0.0	0.0	24	12	5	2.3	2.3	1	0.0	-1.9	0.0	8.0	8.0	1.3	0.0	24	24	0.0	20	24	8
152	11.72		27	1	1	-1.1	0.0	0.0	24	13	5	2.3	2.3	1	0.0	2.0	0.0	8.0	8.0	1.3	0.0	25	25	0.0	20	24	8
153	11.72		24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00		24	5	1	-1.0	0.0	0.0	24	11	4	2.3	2.3	1	0.0	-1.9	0.0	8.0	8.0	1.3	0.0	24	24	0.0	20	24	8
153	11.72		27	1	1	-1.0	0.0	0.0	24	11	4	2.3	2.3	1	0.0	2.0	0.0	8.0	8.0	1.3	0.0	25	25	0.0	20	24	8
150	11.72		24	3	1	0.5	0.0	0.0	24	6	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	24	10	4	2.3	2.3	1	0.0	-1.9	0.0	8.0	8.0	1.3	0.0	24	24	0.0	20	24	8
154	11.72		27	1	1	-0.6	0.0	0.0	24	7	3	2.3	2.3	1	0.0	1.9	0.0	8.0	8.0	1.3	0.0	24	24	0.0	20	24	8
152	11.72		24	3	1	0.8	0.0	0.0	24	9	3	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	2	2	0.0	20	267	8
2.48	1.00		24	5	1	-1.1	0.0	0.0	24	13	5	2.3	2.3	1	0.0	-2.2	0.0	8.0	8.0	1.3	0.0	28	28	0.0	20	24	8
155	11.72		27	1	1	-1.0	0.0	0.0	24	11	4	2.3	2.3	1	0.0	2.0	0.0	8.0	8.0	1.3	0.0	25	25	0.0	20	24	8
158	11.72		24	3	1	0.5	0.0	0.0	24	6	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	24	10	4	2.3	2.3	1	0.0	-1.9	0.0	8.0	8.0	1.3	0.0	24	24	0.0	20	24	8
156	11.72		27	1	1	-1.1	0.0	0.0	24	13	5	2.3	2.3	1	0.0	2.0	0.0	8.0	8.0	1.3	0.0	25	25	0.0	20	24	8
155	11.72		24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00		24	5	1	-1.0	0.0	0.0	24	11	4	2.3	2.3	1	0.0	-1.9	0.0	8.0	8.0	1.3	0.0	24	24	0.0	20	24	8
157	11.72		27	1	1	-0.6	0.0	0.0	24	7	3	2.3	2.3	1	0.0	1.9	0.0	8.0	8.0	1.3	0.0	24	24	0.0	20	24	8
156	11.72		24	3	1	0.8	0.0	0.0	24	9	3	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	2	2	0.0	20	267	8
2.48	1.00		24	5	1	-1.1	0.0	0.0	24	13	5	2.3	2.3	1	0.0	-2.2	0.0	8.0	8.0	1.3	0.0	28	28	0.0	20	24	8
158	11.72		27	1	1	-0.9	0.0	0.0	24	10	4	2.3	2.3	1	0.0	1.8	0.0	8.0	8.0	1.3	0.0	22	22	0.0	20	24	8
159	11.72		24	3	1	0.3	0.0	0.0	24	4	1	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00		24	5	1	-1.1	0.0	0.0	24	12	5	2.3	2.3	1	0.0	-1.9	0.0	8.0	8.0	1.3	0.0	24	24	0.0	20	24	8
159	11.72		27	1	1	-1.1	0.0	0.0	24	12	5	2.3	2.3	1	0.0	1.8	0.0	8.0	8.0	1.3	0.0	22	22	0.0	20	24	8
111	11.72		24	3	1	-0.8	0.0	0.0	24	10	4	2.3	2.3	1	0.0	1.2	0.0	8.0	8.0	1.3	0.0	15	15	0.0	20	42	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
138	11.72		5	1	1	-0.1	0.0	0.0	29	1	0	6.8	6.8	1	0.0	0.6	0.0	14.4	8.1	2.5	0.0	4	7	0.0	20	24	8
139	11.72		40	3	1	0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	112	8
2.5	1.00		24	5	1	-0.1	0.0	0.0	29	1	0	6.8	6.8	1	0.0	-0.6	0.0	14.4	8.1	2.5	0.0	4	7	0.0	20	24	8
139	11.72		5	1	1	-1.7	0.0	0.0	29	7	3	6.8	6.8	1	0.0	1.6	0.0	14.4	8.1	2.5	0.0	12	20	0.0	20	24	8
117	11.72		40	3	1	-0.8	0.0	0.0	29	3	2	6.8	6.8	1	0.0	0.9	0.0	14.4	8.1	2.5	0.0	7	11	0.0	20	172	8
2.5	1.00		24	5	1	0.2	0.0	0.0	29	1	0	6.8	6.8	1	0.0	0.1	0.0	14.4	8.1	2.5	0.0	1	1	0.0	20	24	8
165	11.72		32	1	2	-0.5	0.5	0.0	25	2	1	7.7	7.7	1	0.4	0.7	0.0	45.9	13.9	7.7	0.0	3	5	0.0	15	24	8
142	11.72		70	3	2	0.1	-0.4	0.0	25	0	0	7.7	7.7	1	0.4	0.2	0.0	38.3	33.9	4.3	0.0	2	1	0.0	15	197	8
2.5	1.00		24	5	1	-0.1	-0.5	0.0	25	0	0	7.7	7.7	1	0.4	-0.4	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
165	11.72		7	1	1	-1.0	0.0	0.0	20	2	0	6.0	4.6	1	0.0	2.1	0.0	25.0	38.9	12.9	0.0	4	5	0.0	15	60	8
167	11.72		40	3	1	-1.0	0.0	0.0	20	2	0	6.0	4.6	1	0.0	0.7	0.0	25.0	38.9	12.9	0.0	1	2	0.0	15	15	8
2.5	1.00		60	5	1	-0.2	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-0.8	0.0	25.0	38.9	12.9	0.0	2	2	0.0	15	60	8
166	11.72		7	1	1	-1.2	0.0	0.0	20	2	1	6.0	4.6	1	0.0	2.3	0.0	25.0	38.9	12.9	0.0	4	6	0.0	15	60	8
168	11.72		40	3	1	-1.2	0.0	0.0	20	2	1	6.0	4.6	1	0.0	0.9	0.0	25.0	38.9	12.9	0.0	2	2	0.0	15	15	8
2.5	1.00		60	5	2	-0.2	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-0.7	0.0	25.0	38.9	12.9	0.0	1	2	0.0	15	60	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
167	11.72		33	1	1	-0.6	0.0	0.0	26	2	1	7.7	7.7	1	0.0	0.9	0.0	38.9	13.9	6.4	0.0	3	6	0.0	15	24	8
168	11.72		60	3	1	0.4	0.0	0.0	26	1	1	7.7	7.7	1	0.0	0.0	0.0	38.9	13.9	6.4	0.0	0	0	0.0	15	442	8
2.5	1.00		24	5	2	-0.7	0.0	0.0	26	2	1	7.7	7.7	1	0.0	-0.9	0.0	38.9	13.9	6.4	0.0	3	6	0.0	15	24	8
104	11.72		25	1	1	5.0	0.0	0.0	27	4	2	3.1	9.1	1	0.0	-2.4	0.0	10.4	26.1	6.3	0.0	7	9	0.0	20	70	8
28	11.72		30	3	1	-5.2	0.0	0.0	33	3	1	15.1	3.1	1	0.0	-5.3	0.0	29.9	32.2	3.6	0.0	16	9	0.0	9	70	8
2.5	1.00		70	5	1	-6.0	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-8.1	0.0	29.9	32.2	3.6	0.0	25	14	0.0	9	70	8
105	11.72		25	1	1	5.4	0.0	0.0	27	5	2	3.1	9.1	1	0.0	1.7	0.0	10.4	26.1	6.3	0.0	5	7	0.0	20	70	8
10	11.72		30	3	1	5.5	0.0	0.0	12	13	2	18.2	3.1	1	0.0	-3.9	0.0	29.9	32.2	3.6	0.0	12	7	0.0	9	215	8
2.5	1.00		70	5	1	-8.8	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-9.5	0.0	29.9	32.2	3.6	0.0	29	16	0.0	9	70	8
116	11.72		25	1	1	3.9	0.0	0.0	12	10	1	18.2	3.1	1	0.0	4.7	0.0	17.2	43.1	10.4	0.0	11	11	0.0	9	70	8
30	11.72		30	3	1	5.1	0.0	0.0	27	4	2	3.1	9.1	1	0.0	-1.6	0.0	7.7	19.4	4.7	0.0	4	8	0.0	20	305	8
1.86	1.00		70	5	1	-6.0	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-8.0	0.0	17.2	43.1	10.4	0.0	18	19	0.0	9	70	8
118	11.72		25	1	1	3.4	0.0	0.0	12	8	1	18.2	3.1	2	0.0	2.1	0.0	17.2	43.1	10.4	1.4	5	5	4.5	9	70	8
165	11.72		30	3	1	-4.4	0.0	0.0	15	11	2	3.1	9.1	1	0.0	-3.4	0.0	7.7	19.4	4.7	0.0	8	18	0.0	20	250	8
1.86	1.00		70	5	1	-10.8	0.0	0.0	33	6	3	15.1	3.1	1	0.0	-8.9	0.0	17.2	43.1	10.4	0.0	21	21	0.0	9	70	8
117	11.72		25	1	1	3.1	0.0	0.0	12	8	1	18.2	3.1	1	0.0	5.0	0.0	17.2	43.1	10.4	0.0	12	12	0.0	9	70	8
31	11.72		30	3	1	4.6	0.0	0.0	27	4	2	3.1	9.1	1	0.0	-1.3	0.0	7.7	19.4	4.7	0.0	3	7	0.0	20	305	8
1.86	1.00		70	5	1	-5.8	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-7.7	0.0	17.2	43.1	10.4	0.0	18	18	0.0	9	70	8
119	11.72		25	1	1	3.4	0.0	0.0	12	8	1	18.2	3.1	2	0.0	2.3	0.0	17.2	43.1	10.4	1.4	5	5	4.5	9	70	8
166	11.72		30	3	1	-4.1	0.0	0.0	15	10	2	3.1	9.1	1	0.0	-3.4	0.0	7.7	19.4	4.7	0.0	8	17	0.0	20	250	8
1.86	1.00		70	5	1	-10.5	0.0	0.0	33	6	3	15.1	3.1	1	0.0	-8.9	0.0	17.2	43.1	10.4	0.0	21	21	0.0	9	70	8
108	11.72		25	1	1	5.3	0.0	0.0	27	5	2	3.1	9.1	1	0.0	-2.2	0.0	10.4	26.1	6.3	0.0	7	9	0.0	20	70	8
36	11.72		30	3	1	5.1	0.0	0.0	13	12	2	15.1	3.1	1	0.0	-5.1	0.0	29.9	32.2	3.6	0.0	16	9	0.0	9	70	8
2.5	1.00		70	5	1	-5.4	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-8.0	0.0	29.9	32.2	3.6	0.0	25	14	0.0	9	70	8
109	11.72		25	1	1	5.3	0.0	0.0	27	5	2	3.1	9.1	1	0.0	1.9	0.0	10.4	26.1	6.3	0.0	6	7	0.0	20	70	8
18	11.72		30	3	1	5.4	0.0	0.0	12	13	2	18.2	3.1	1	0.0	-3.7	0.0	29.9	32.2	3.6	0.0	11	6	0.0	9	215	8
2.5	1.00		70	5	1	-8.3	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-9.3	0.0	29.9	32.2	3.6	0.0	29	16	0.0	9	70	8
142	11.72		32	1	1	-0.1	-0.5	0.0	25	0	0	7.7	7.7	1	-0.4	0.4	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
166	11.72		70	3	2	0.1	-0.4	0.0	25	0	0	7.7	7.7	1	-0.4	-0.2	0.0	38.3	33.9	4.3	0.0	2	1	0.0	15	197	8
2.5	1.00		24	5	2	-0.5	0.5	0.0	25	2	1	7.7	7.7	2	-0.4	-0.7	0.0	45.9	13.9	7.7	0.0	3	5	0.0	15	24	8
21	14.22		3	1	1	-3.0	0.0	-1.9	35	3	2	10.2	3.1	1	0.0	5.2	0.0	10.4	18.2	4.3	0.0	23	29	0.0	20	50	8
22	14.22		30	3	1	4.5	0.0	-1.9	30	7	3	3.1	7.1	1	0.0	0.0	0.0	10.4	18.2	4.3	0.0	0	0	0.0	20	470	8
2.5	1.00		50	5	1	-3.0	0.0	-1.9	35	3	2	10.2	3.1	1	0.0	-5.2	0.0	10.4	18.2	4.3	0.0	23	29	0.0	20	50	8
24	14.22		3	1	1	-3.5	0.0	-2.7	36	3	2	10.2	3.1	1	0.0	5.2	0.0	10.4	18.2	4.3	0.0	23	29	0.0	20	50	8
25	14.22		30	3	1	3.9	0.0	-2.7	31	5	3	3.1	7.1	1	0.0	0.0	0.0	10.4	18.2	4.3	0.0	0	0	0.0	20	470	8
2.5	1.00		50	5	1	-3.5	0.0	-2.7	36	3	2	10.2	3.1	1	0.0	-5.2	0.0	10.4	18.2	4.3	0.0	23	29	0.0	20	50	8
134	13.42		2	1	1	0.0	-0.2	0.0	19	0	0	6.2	2.3	1	-0.2	-0.4	0.0	17.2	17.7	1.9	0.4	4	3	2.3	20	40	8
129	13.42		30	3	1	-2.8	0.2	0.0	29	7	3	6.2	2.3	1	-0.2	-2.1	0.0	10.4	14.4	3.4	0.4	13	15	2.3	20	110	8
2.5	1.00		40	5	1	-3.9	0.3	0.0	29	9	4	6.2	2.3	1	-0.2	-3.8	0.0	10.4	14.4	3.4	0.4	23	26	2.3	20	40	8
136	13.42		26	1	1	-0.1	0.1	-0.2	29	1	0	2.3	2.3	1	0.0	0.4	0.0	10.4	8.1	1.7	0.0	4	5	0.0	20	24	8
24	14.22		30	3	1	0.4	0.1	-0.2	23	4	1	2.3	2.3	2	0.0	-0.1	0.0	10.4	8.1	1.7	0.0	1	1	0.0	20	468	8
2.5	1.00		24	5	2	-0.4	0.0	-0.1	22	5	2	2.3	2.3	1	0.0	-0.5	0.0	10.4	8.1	1.7	0.0	6	7	0.0	20	24	8
134	13.42		26	1	1	-0.1	0.2	-0.3	30	1	0	2.3	2.3	1	0.0	0.4	0.0	10.4	8.1	1.7	0.0	4	5	0.0	20	24	8
21	14.22		30	3	1	0.4	0.1	-0.2	23	4	1	2.3	2.3	1	0.0	-0.1	0.0	10.3	10.0	1.0	0.0	1	1	0.0	20	468	8
2.5	1.00		24	5	2	-0.4	0.0	-0.2	22	5	2	2.3	2.3	1	0.0	-0.5	0.0	10.4	8.1	1.7	0.0	6	7	0.0	20	24	8
135	13.42		26	1	1	-0.1	-0.1	-0.3	31	0	0	2.3	2.3	1	0.0	0.4	0.0	10.4	8.1	1.7	0.0	4	5	0.0	20	24	8
22	14.22		30	3	1	0.3	-0.1	-0.3	23	4	1	2.3	2.3	1	0.0	-0.1	0.0	10.4	8.1	1.7	0.0	1	1	0.0	20	468	8
2.5	1.00		24	5	2	-0.5	0.0	-0.2	22	5	2	2.3	2.3	1	0.0	-0.5	0.0	10.4	8.1	1.7	0.0	6	7	0.0	20	24	8
136	13.42		2	1	1	0.0	-0.1	0.0	19	0	0	6.2	2.3	1	-0.2	-0.4	0.0	17.2	17.7	1.9	0.4	3	3	2.3	20	40	8
132	13.42		30	3	1	-2.8	0.1	0.0	29	7	3	6.2	2.3	1	-0.2	-2.1	0.0	10.4	14.4	3.4	0.4	13	15	2.3	20	110	8
2.5	1.00		40	5	1	-3.9	0.2	0.0	29	9	4	6.2	2.3	1	-0.2	-3.8	0.0	10.4	14.4	3.4	0.4	22	26	2.3	20	40	8
137	13.42		26	1	1	-0.1	-0.1	-0.3	30	1	0	2.3	2.3	1	0.0	0.4	0.0	10.4	8.1	1.7	0.0	4	5	0.0	20	24	8
25	14.22		30	3	1	0.3	-0.1	-0.2	23	4	1	2.3	2.3	1	0.0	-0.1	0.0	10.3	10.0	1.0	0.0	1	1	0.0	20	468	8
2.5	1.00		24	5	2	-0.4	0.0	-0.1	22	5	2	2.3	2.3	1	0.0	-0.5	0.0	10.4	8.1	1.7	0.0	6	7	0.0	20	24	8
129	13.42		2	1	1	-0.5	0.0	0.0	28	1	0	6.2	2.3	1	0.0	1.6	0.0	10.4	14.4	3.4	0.4	9	11	2.3	20	40	8
130	13.42		30	3	1	0.2	0.0	0.0	17	1	0	6.2	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	100	8
2.5	1.00		40	5	1	-0.5	0.0	0.0	28	1	0	6.2	2.3	1	0.0	-1.6	0.0	10.4	14.4	3.4	0.4	9	11	2.3	20	40	8
132	13.42		2	1	1	-0.5	0.0	0.0	28	1	0	6.2	2.3	1	0.0	1.6	0.0	10.4	14.4	3.4	0.4	9	11	2.3	20	40	8
133	13.42		30	3	1	0.2	0.0	0.0	17	1	0	6.2	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	100	8
2.5	1.00		40	5	1	-0.5	0.0	0.0	28	1	0	6.2	2.3	1	0.0	-1.6	0.0	10.4	14.4	3.4	0.4	9	11	2.3	20	40	8
130	13.42		2	1	1	-4.0	0.4	0.0	29	9	4	6.2	2.3	1	0.3	3.8	0.0	10.4	14.4	3.4	0.4	23	26	2.3	20	40	8
135	13.42		30	3	1	-2.8	0.3	0.0	29	7	3	6.2	2.3	1	0.3	2.1	0.0	10.4	14.4	3.4	0.4	13	15	2.3	20	110	8
2.5	1.00		40	5	1	0.0	-0.1	0.0	18	0	0	6.2	2.3	1	0.3	0.4	0.0	17.2	17.7	1.9	0.4	4	3	2.3	20	40	8
133	13.42		2	1	1	-3.9	0.3	0.0	29	9	4	6.2	2.3	1	0.2	3.8	0.0	10.4	14.4	3.4	0.4	22	26	2.3	20	40	8
137	13.42		30	3	1	-2.8	0.2	0.0	29	7	3	6.2	2.3	1	0.2	2.1	0.0	10.4	14.4	3.4	0.4	13	15	2.3	20	110	8
2.5	1.00		40	5	1	0.0	-0.1	0.0	19	0	0	6.2	2.3	2	0.2	0.4	0.0	17.2	17.7	1.9	0.4	4	3	2.3	20	40	8
26	1.40	2	25	1	1	-0.9	0.0	0.0	35	0	0	17.4	3.0	1	0.0	1.6	0.0	30.0	32.2	3.6	0.0	5	3	0.0	9	52	8
35	1.40	/	30	3	1	-0.9	0.0	0.0	35	0	0	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	5	70	5	1	0.4	0.0	0.0	27	0	0	2.3	9.1	1	0.0	1.0	0.0	10.4	26.1	6.4	0.0	3	4	0.0	20	52	8
26	1.40	3	25	1	1	-0.2	0.0	0.0	12	1	0	2.3	9.1	1	0.0	0.6	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	52	8
35	1.40	/	30	3	1	0.2	0.0	0.0	27	0	0	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00	5	70	5	1	0.2	0.0	0.0	27	0	0	2.3	9.1	1	0.0	0.1	0.0	10.4	26.1	6.4	0.0	0	0	0.0	20	52	8
26	1.40	4	25	1	2	-0.1	0.0	0.0	12	0	0	2.3	9.1	1	0.0	0.5	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	52	8
35	1.40	/	30	3	2	0.1	0.0	0.0	13	0	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	5	70	5	2	0.1	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-0.1	0.0	30.0	32.2	3.6	0.0	0	0	0.0	9	52	8
26	1.40	5	25	1	1	-2.1	0.0	0.0	32	1	1	14.3	3.0	1	0.0	2.7	0.0	17.2	43.2	10.6	0.0	6	6	0.0	9	52	8
35	1.40	/	30	3	1	-2.1	0.0	0.0	32	1	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	5	70	5	2	0.5	0.0	0.0	13	1	0	14.3	3.0	1	0.0	2.2	0.0	17.2	43.2	10.6	0.0	5	5	0.0	9	52	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
35	1.40	2	5	1	2	-0.1	0.0	0.0	31	0	0	7.1	3.1	1	0.0	0.2	0.0	23.9	13.4	4.1	0.0	1	1	0.0	12	24	8
34	1.40	/	40	3	1	0.0	0.0	0.0	21	0	0	7.1	3.1	1	0.0	0.1	0.0	23.9	13.4	4.1	0.0	0	0	0.0	12	68	8
2.5	1.00	5	24	5	2	0.0	0.0	0.0	31	0	0	3.1	7.1	1	0.0	-0.1	0.0	14.3	8.0	2.4	0.0	1	1	0.0	20	24	8
35	1.40	3	5	1	1	-0.1	0.0	0.0	21	1	0	3.1	7.1	1	0.0	0.3	0.0	14.3	8.0	2.4	0.0	2	3	0.0	20	24	8
34	1.40	/	40	3	1	0.0	0.0	0.0	21	0	0	3.1	7.1	1	0.0	0.1	0.0	14.3	8.0	2.4	0.0	1	2	0.0	20	68	8
2.5	1.00	5	24	5	1	0.0	0.0	0.0	31	0	0	3.1	7.1	2	0.0	0.0	0.0	14.3	8.0	2.4	0.0	0	0	0.0	20	24	8
35	1.40	4	5	1	1	-0.1	0.0	0.0	21	1	0	3.1	7.1	1	0.0	0.2	0.0	14.3	8.0	2.4	0.0	2	3	0.0	20	24	8
34	1.40	/	40	3	1	0.0	0.0	0.0	31	0	0	7.1	3.1	1	0.0	0.1	0.0	23.9	13.4	4.1	0.0	1	1	0.0	12	68	8
2.5	1.00	5	24	5	1	0.0	0.0	0.0	21	0	0	7.1	3.1	2	0.0	0.0	0.0	23.9	13.4	4.1	0.0	0	0	0.0	12	24	8
35	1.40	5	5	1	1	-0.1	0.0	0.0	31	0	0	7.1	3.1	1	0.0	0.3	0.0	23.7	13.3	4.0	0.0	2	2	0.0	12	24	8
34	1.40	/	40	3	1	-0.1	0.0	0.0	31	0	0	7.1	3.1	1	0.0	0.2	0.0	23.7	13.3	4.0	0.0	1	1	0.0	12	68	8
2.48	1.00	5	24	5	1	0.1	0.0	0.0	21	1	0	7.1	3.1	1	0.0	0.0	0.0	23.7	13.3	4.0	0.0	0	0	0.0	12	24	8
100	1.40	2	25	1	1	-4.4	0.0	0.0	35	2	1	17.4	3.0	1	0.0	13.9	0.0	17.2	43.2	10.6	0.0	32	32	0.0	9	30	8
25	1.40	/	30	3	1	-4.4	0.0	0.0	35	2	1	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	2	70	5	1	3.9	0.0	0.0	13	9	1	17.4	3.0	1	0.0	13.6	0.0	17.2	43.2	10.6	0.0	31	31	0.0	9	30	8
25	1.40	2	25	1	1	0.6	0.0	0.0	12	2	0	17.4	3.0	1	0.0	-2.4	0.0	17.2	43.2	10.6	0.0	6	6	0.0	9	26	8
119	1.40	/	30	3	1	-0.7	0.0	0.0	35	0	0	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	2	70	5	1	-0.7	0.0	0.0	35	0	0	17.4	3.0	1	0.0	-2.7	0.0	17.2	43.2	10.6	0.0	6	6	0.0	9	26	8
119	1.40	2	25	1	1	-0.3	0.0	0.0	35	0	0	17.4	3.0	1	0.0	0.7	0.0	10.4	26.1	6.4	0.0	2	3	0.0	20	52	8
34	1.40	/	30	3	1	-0.3	0.0	0.0	12	1	0	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00	4	70	5	1	0.1	0.0	0.0	27	0	0	2.3	9.1	1	0.0	0.2	0.0	10.4	26.1	6.4	0.0	0	1	0.0	20	52	8
119	1.40	3	25	1	1	-0.2	0.0	0.0	12	1	0	2.3	9.1	1	0.0	0.6	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	52	8
34	1.40	/	30	3	1	0.2	0.0	0.0	27	0	0	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00	4	70	5	1	0.2	0.0	0.0	13	0	0	14.3	3.0	1	0.0	0.1	0.0	30.0	32.2	3.6	0.0	0	0	0.0	9	52	8
119	1.40	4	25	1	1	-0.4	0.0	0.0	32	0	0	14.3	3.0	1	0.0	1.3	0.0	17.2	43.2	10.6	0.0	3	3	0.0	9	52	8
34	1.40	/	30	3	1	0.7	0.0	0.0	13	2	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	4	70	5	1	0.7	0.0	0.0	13	2	0	14.3	3.0	1	0.0	0.7	0.0	17.2	43.2	10.6	0.0	2	2	0.0	9	52	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	Area cmq h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
1	0.00		4	1	1	1.4	-1.3	-67.2		1	4	6.0	4.0	1	1.6	5.8	0.0	10.4	22.1	5.2	0.0	21	26	0.0	20	35	8
1	1.40		30	3	1	-1.3	1.3	-67.0		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.7	1.3	-66.8		1	4	6.0	4.0	1	1.6	5.8	0.0	10.4	22.1	5.2	0.0	21	26	0.0	20	35	8
2	0.00		4	1	1	2.3	1.9	-95.9		2	5	6.0	4.0	1	-0.3	9.6	0.0	10.4	22.1	5.2	0.0	27	43	0.0	20	35	8
2	1.40		30	3	1	-1.9	1.9	-95.8		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-4.4	-1.9	-95.6		1	6	6.0	4.0	1	-0.3	9.6	0.0	10.4	22.1	5.2	0.0	27	43	0.0	20	35	8
3	0.00		4	1	1	2.2	-1.9	-93.7		2	5	6.0	4.0	1	0.1	9.5	0.0	10.4	22.1	5.2	0.0	26	43	0.0	20	35	8
3	1.40		30	3	1	-1.9	1.9	-93.6		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-4.4	1.9	-93.4		1	6	6.0	4.0	1	0.1	9.5	0.0	10.4	22.1	5.2	0.0	26	43	0.0	20	35	8
4	0.00		4	1	1	2.4	2.2	-110.6		2	6	6.0	4.0	1	0.0	10.1	0.0	10.4	22.1	5.2	0.0	32	46	0.0	20	35	8
4	1.40		30	3	1	-2.2	2.2	-110.5		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-4.7	2.2	-110.3		1	7	6.0	4.0	1	0.0	10.1	0.0	10.4	22.1	5.2	0.0	32	46	0.0	20	35	8
5	0.00		4	1	1	2.6	2.2	-112.2		2	6	6.0	4.0	1	-0.2	11.0	0.0	10.4	22.1	5.2	0.0	36	50	0.0	20	35	8
5	1.40		30	3	1	-2.2	2.2	-112.1		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-5.1	-2.2	-111.9		1	7	6.0	4.0	1	-0.2	11.0	0.0	10.4	22.1	5.2	0.0	36	50	0.0	20	35	8
6	0.00		4	1	1	2.5	2.5	-123.3		2	7	6.0	4.0	1	-1.3	0.2	0.0	10.4	22.1	5.2	0.0	6	13	0.0	20	35	8
6	1.40		30	3	1	2.5	2.5	-123.1		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.5	-2.5	-123.0		2	7	6.0	4.0	1	-1.3	0.2	0.0	10.4	22.1	5.2	0.0	6	13	0.0	20	35	8
7	0.00		10	1	1	-2.4	2.4	-120.5		2	4	6.0	4.0	1	-0.4	-5.0	0.0	18.2	18.2	8.0	0.0	11	27	0.0	20	35	8
7	1.40		50	3	1	2.4	2.4	-120.3		2	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.4	-2.4	-120.0		2	4	6.0	4.0	1	-0.4	-5.0	0.0	18.2	18.2	8.0	0.0	11	27	0.0	20	35	8
8	0.00		4	1	1	2.2	-2.2	-112.1		2	6	6.0	4.0	2	1.4	-0.2	0.0	10.4	22.1	5.2	0.0	5	14	0.0	20	35	8
8	1.40		30	3	1	2.2	2.2	-112.0		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.2	2.2	-111.8		2	6	6.0	4.0	2	1.4	-0.2	0.0	10.4	22.1	5.2	0.0	5	14	0.0	20	35	8
9	0.00		4	1	1	1.4	1.4	-67.8		1	4	6.0	4.0	1	-1.8	5.5	0.0	10.4	22.1	5.2	0.0	20	25	0.0	20	35	8
9	1.40		30	3	1	-1.4	1.4	-67.6		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.5	-1.3	-67.5		1	4	6.0	4.0	1	-1.8	5.5	0.0	10.4	22.1	5.2	0.0	20	25	0.0	20	35	8
10	0.00		4	1	1	2.1	2.1	-103.0		2	6	6.0	4.0	1	-0.4	0.8	0.0	10.4	22.1	5.2	0.0	3	4	0.0	20	35	8
10	1.40		30	3	1	2.1	2.1	-102.9		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.1	-2.1	-102.7		2	6	6.0	4.0	1	-0.4	0.8	0.0	10.4	22.1	5.2	0.0	3	4	0.0	20	35	8
11	0.00		4	1	1	3.0	3.0	-148.6		3	9	6.0	4.0	1	-0.1	1.1	0.0	17.0	18.1	2.3	0.0	6	5	0.0	20	35	8
11	1.40		30	3	1	3.0	3.0	-148.4		3	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-3.0	3.0	-148.2		3	9	6.0	4.0	1	-0.1	1.1	0.0	17.0	18.1	2.3	0.0	6	5	0.0	20	35	8
12	0.00		4	1	1	3.0	3.0	-148.4		3	9	6.0	4.0	1	-0.1	1.1	0.0	17.0	18.2	2.3	0.0	6	5	0.0	20	35	8
12	1.40		30	3	1	3.0	3.0	-148.3		3	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-3.0	3.0	-148.1		3	9	6.0	4.0	1	-0.1	1.1	0.0	17.0	18.2	2.3	0.0	6	5	0.0	20	35	8
13	0.00		4	1	1	2.9	2.9	-146.8		3	9	6.0	4.0	1	-0.1	0.8	0.0	17.6	18.8	2.4	0.0	4	3	0.0	20	35	8
13	1.40		30	3	1	2.9	2.9	-146.7		3	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.9	2.9	-146.5		3	9	6.0	4.0	1	-0.1	0.8	0.0	17.6	18.8	2.4	0.0	4	3	0.0	20	35	8
14	0.00		4	1	1	2.9	2.9	-144.5		2	8	6.0	4.0	1	-0.1	0.5	0.0	18.4	19.6	2.5	0.0	3	2	0.0	20	35	8
14	1.40		30	3	1	2.9	2.9	-144.4		2	8	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.9	2.9	-144.2		2	8	6.0	4.0	1	-0.1	0.5	0.0	18.4	19.6	2.5	0.0	3	2	0.0	20	35	8
15	0.00		4	1	1	2.9	2.9	-144.5		2	8	6.0	4.0	1	-0.1	1.0	0.0	18.4	19.6	2.5	0.0	5	4	0.0	20	35	8
15	1.40		30	3	1	2.9	2.9	-144.4		2	8	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.9	-2.9	-144.2		2	8	6.0	4.0	1	-0.1	1.0	0.0	18.4	19.6	2.5	0.0	5	4	0.0	20	35	8
16	0.00		10	1	1	-2.9	2.9	-143.8		2	5	6.0	4.0	1	-0.1	-3.8	0.0	18.2	18.2	8.0	0.0	8	21	0.0	20	35	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
16	1.40		50	3	1	2.9	2.9	-143.6		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.9	2.9	-143.3		2	5	6.0	4.0	1	-0.1	-3.8	0.0	18.2	18.2	8.0	0.0	8	21	0.0	20	35	8
17	0.00		4	1	1	3.0	3.0	-147.9		3	9	6.0	4.0	1	-0.1	2.2	0.0	17.2	18.4	2.3	0.0	12	10	0.0	20	35	8
17	1.40		30	3	1	-3.0	3.0	-147.7		3	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-3.0	3.0	-147.6		3	9	6.0	4.0	1	-0.1	2.2	0.0	17.2	18.4	2.3	0.0	12	10	0.0	20	35	8
18	0.00		4	1	1	2.1	-2.1	-103.1		2	6	6.0	4.0	1	0.2	0.5	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	35	8
18	1.40		30	3	1	2.1	2.1	-103.0		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.1	2.1	-102.8		2	6	6.0	4.0	1	0.2	0.5	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	35	8
19	0.00		4	1	1	-2.1	2.1	-103.2		2	6	6.0	4.0	1	-0.4	-0.3	0.0	10.4	22.1	5.2	0.0	2	3	0.0	20	35	8
19	1.40		30	3	1	2.1	2.1	-103.1		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.1	-2.1	-102.9		2	6	6.0	4.0	1	-0.4	-0.3	0.0	10.4	22.1	5.2	0.0	2	3	0.0	20	35	8
20	0.00		4	1	1	-2.9	2.9	-147.2		3	9	6.0	4.0	1	0.0	-0.6	0.0	17.5	18.7	2.4	0.0	4	3	0.0	20	35	8
20	1.40		30	3	1	2.9	2.9	-147.0		3	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.9	2.9	-146.8		3	9	6.0	4.0	1	0.0	-0.6	0.0	17.5	18.7	2.4	0.0	4	3	0.0	20	35	8
21	0.00		4	1	1	-2.8	2.8	-139.1		2	8	6.0	4.0	1	0.0	-4.9	0.0	20.2	21.6	2.8	0.0	23	22	0.0	20	35	8
21	1.40		30	3	1	2.8	2.8	-138.9		2	8	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.8	2.8	-138.7		2	8	6.0	4.0	1	0.0	-4.9	0.0	20.2	21.6	2.8	0.0	23	22	0.0	20	35	8
22	0.00		4	1	1	-2.8	2.8	-139.4		2	8	6.0	4.0	1	-0.1	-3.7	0.0	20.1	21.5	2.7	0.0	18	17	0.0	20	35	8
22	1.40		30	3	1	2.8	2.8	-139.2		2	8	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.8	-2.8	-139.0		2	8	6.0	4.0	1	-0.1	-3.7	0.0	20.1	21.5	2.7	0.0	18	17	0.0	20	35	8
23	0.00		4	1	1	-2.9	2.9	-145.2		3	9	6.0	4.0	1	0.0	-0.6	0.0	18.1	19.4	2.5	0.0	4	3	0.0	20	35	8
23	1.40		30	3	1	2.9	2.9	-145.1		2	9	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.9	2.9	-144.9		2	8	6.0	4.0	1	0.0	-0.6	0.0	18.1	19.4	2.5	0.0	4	3	0.0	20	35	8
24	0.00		4	1	1	-2.8	-2.8	-141.1		2	8	6.0	4.0	1	1.7	-3.5	0.0	19.5	20.9	2.7	0.0	25	16	0.0	20	35	8
24	1.40		30	3	1	2.8	2.8	-141.0		2	8	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.8	2.8	-140.8		2	8	6.0	4.0	1	1.7	-3.5	0.0	19.5	20.9	2.7	0.0	25	16	0.0	20	35	8
25	-1.60		4	1	1	0.7	0.7	-36.5		1	2	6.0	4.0	1	-0.5	0.4	0.0	10.4	22.1	5.2	0.0	2	4	0.0	20	115	8
25	1.40		30	3	1	-0.7	-0.7	-36.1		1	2	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-0.7	-0.7	-35.4		1	2	6.0	4.0	1	-0.5	0.4	0.0	10.4	22.1	5.2	0.0	2	4	0.0	20	115	8
26	-1.60		4	1	1	-3.5	-1.2	-62.5		0	4	6.0	4.0	1	0.8	-4.1	0.0	10.4	22.1	5.2	0.0	14	18	0.0	20	115	8
26	1.40		30	3	1	2.1	1.2	-61.8		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	5.8	1.2	-61.4		0	5	6.0	4.0	1	0.8	-4.1	0.0	10.4	22.1	5.2	0.0	14	18	0.0	20	115	8
27	0.00		4	1	1	-2.1	-2.1	-103.3		2	6	6.0	4.0	1	0.3	-0.6	0.0	10.4	22.1	5.2	0.0	2	3	0.0	20	35	8
27	1.40		30	3	1	2.1	2.1	-103.2		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.1	2.1	-103.0		2	6	6.0	4.0	1	0.3	-0.6	0.0	10.4	22.1	5.2	0.0	2	3	0.0	20	35	8
28	0.00		4	1	1	-1.3	-1.3	-66.2		1	3	6.0	4.0	1	1.7	-5.4	0.0	10.4	22.1	5.2	0.0	20	25	0.0	20	35	8
28	1.40		30	3	1	1.3	1.3	-66.1		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.6	1.3	-65.9		1	4	6.0	4.0	1	1.7	-5.4	0.0	10.4	22.1	5.2	0.0	20	25	0.0	20	35	8
29	0.00		4	1	1	-2.2	2.2	-108.0		2	6	6.0	4.0	1	-0.1	-9.2	0.0	10.4	22.1	5.2	0.0	28	41	0.0	20	35	8
29	1.40		30	3	1	2.2	2.2	-107.9		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	4.4	2.2	-107.7		1	7	6.0	4.0	1	-0.1	-9.2	0.0	10.4	22.1	5.2	0.0	28	41	0.0	20	35	8
30	0.00		4	1	1	-1.2	1.2	-61.6		1	3	6.0	4.0	1	-1.8	-5.1	0.0	10.4	22.1	5.2	0.0	19	23	0.0	20	35	8
30	1.40		30	3	1	1.2	1.2	-61.5		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.5	-1.2	-61.3		1	4	6.0	4.0	1	-1.8	-5.1	0.0	10.4	22.1	5.2	0.0	19	23	0.0	20	35	8
31	0.00		4	1	1	-1.2	-1.2	-61.4		1	3	6.0	4.0	1	1.7	-5.4	0.0	10.4	22.1	5.2	0.0	20	25	0.0	20	35	8
31	1.40		30	3	1	1.2	1.2	-61.3		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.6	1.2	-61.1		1	4	6.0	4.0	1	1.7	-5.4	0.0	10.4	22.1	5.2	0.0	20	25	0.0	20	35	8
32	0.00		4	1	1	-2.1	2.1	-106.1		2	6	6.0	4.0	1	-0.2	-9.1	0.0	10.4	22.1	5.2	0.0	28	41	0.0	20	35	8
32	1.40		30	3	1	2.1	2.1	-105.9		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	4.4	-2.1	-105.7		1	7	6.0	4.0	1	-0.2	-9.1	0.0	10.4	22.1	5.2	0.0	28	41	0.0	20	35	8
33	0.00		4	1	1	-0.3	0.3	-15.0		0	1	6.0	4.0	1	-0.3	-1.1	0.0	10.4	22.1	5.2	0.0	4	5	0.0	20	58	8
33	1.40		30	3	1	0.4	-0.3	-14.6		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	0.9	-0.3	-14.4		0	1	6.0	4.0	1	-0.3	-1.1	0.0	10.4	22.1	5.2	0.0	4	5	0.0	20	58	8
34	-1.60		4	1	1	-0.3	-0.2	-11.1		0	1	6.0	4.0	1	0.1	-0.4	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	115	8
34	1.40		30	3	1	0.2	0.2	-10.7		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	0.5	0.2	-10.1		0	1	6.0	4.0	1	0.1	-0.4	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	115	8
35	-1.60		4	1	1	0.9	-0.9	-43.8		1	2	6.0	4.0	1	0.8	0.7	0.0	10.4	22.1	5.2	0.0	4	7	0.0	20	115	8
35	1.40		30	3	1	-0.9	0.9	-43.4		1	2	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-0.9	1.1	-42.8		1	2	6.0	4.0	1	0.8	0.7	0.0	10.4	22.1	5.2	0.0	4	7	0.0	20	115	8
36	0.00		4	1	1	-1.3	1.3	-65.7		1	3	6.0	4.0	1	-1.9	-5.7	0.0	10.4	22.1	5.2	0.0	21	26	0.0	20	35	8
36	1.40		30	3	1	1.3	1.3	-65.6		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.8	-1.3	-65.4		1	4	6.0	4.0	1	-1.9	-5.7	0.0	10.4	22.1	5.2	0.0	21	26	0.0	20	35	8
37	0.00		2	1	1	1.0	1.0	-50.2		1	4	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	35	8
37	1.40		30	3	1	1.0	1.0	-50.1		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.0	-1.0	-49.9		1	4	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	35	8
38	0.00		10	1	1	1.4	1.4	-68.0		1	2	6.0	4.0	2	-0.1	0.2	0.0	18.2	18.2	8.0	0.0	1	1	0.0	20	35	8
38	1.40		50	3	1	1.4	1.4	-67.8		1	2	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	1.4	1.4	-67.6		1	2	6.0	4.0	2	-0.1	0.2	0.0	18.2	18.2	8.0	0.0	1	1	0.0	20	35	8
39	0.00		2	1	1	0.8	0.8	-40.6		1	3	4.0	4.0	1	-0.1	0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	35	8
39	1.40		30	3	1	0.8	0.8	-40.5		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-0.8	-0.8	-40.4		1	3	4.0	4.0	1	-0.1	0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	35	8
40	0.00		2	1	1	0.3	0.3	-14.9		0	1	4.0	4.0	1	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	70	8
40	1.40		30	3	1	0.3	0.3	-14.7		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-0.3	-0.3	-14.5		0	1	4.0	4.0	1	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	70	8
41	0.00		2	1	1	-0.4	0.2	-9.3		0	1	4.0	4.0	1	-0.5	-1.0	0.0	19.2	19.9	2.0	0.0	7	7	0.0	20	70	8
41	1.40		30	3	1	0.4	-0.2	-9.0		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.0	-0.4	-8.9		1	2	4.0	4.0	1	-0.5	-1.0	0.0	19.2	19.9	2.0	0.0	7	7	0.0	20	70	8
42	0.00		2	1	1	-0.2	0.2	-10.6		0	1	4.0	4.0	1	-0.1	-0.4	0.0	10.4	14.3	3.3	0.0	3	3	0.0	20	70	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
42	1.40		30	3	1	0.2	0.2	-10.5		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	0.5	-0.2	-10.2		0	1	4.0	4.0	1	-0.1	-0.4	0.0	10.4	14.3	3.3	0.0	3	3	0.0	20	70	8
43	0.00		2	1	1	2.2	-0.5	-26.3		0	3	4.0	4.0	1	0.8	7.8	0.0	10.4	14.3	3.3	0.0	39	55	0.0	20	35	8
43	1.40		30	3	1	-1.1	0.5	-26.2		0	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-3.3	0.5	-26.1		2	5	4.0	4.0	1	0.8	7.8	0.0	10.4	14.3	3.3	0.0	39	55	0.0	20	35	8
44	0.00		2	1	1	3.7	0.6	-32.4		2	5	4.0	4.0	1	-0.1	13.2	0.0	10.4	14.3	3.3	0.0	57	93	0.0	20	35	8
44	1.40		30	3	1	-1.9	-0.6	-32.3		0	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-5.6	-0.6	-32.2		6	8	4.0	4.0	1	-0.1	13.2	0.0	10.4	14.3	3.3	0.0	57	93	0.0	20	35	8
45	0.00		2	1	1	2.4	0.4	-19.9		1	3	4.0	4.0	1	-0.5	8.5	0.0	10.4	14.3	3.3	0.0	42	60	0.0	20	35	8
45	1.40		30	3	1	-1.2	-0.4	-19.8		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-3.6	-0.4	-19.7		4	5	4.0	4.0	1	-0.5	8.5	0.0	10.4	14.3	3.3	0.0	42	60	0.0	20	35	8
128	0.00		28	1	1	-0.7	-0.8	-36.0		0	1	3.0	1.0	1	-1.0	-0.1	0.0	42.5	3.3	6.3	0.0	1	4	0.0	40	70	8
128	1.40		220	3	1	0.7	-1.7	-35.1		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.7	-2.3	-34.5		0	1	3.0	1.0	1	-1.0	-0.1	0.0	42.5	3.3	6.3	0.0	1	4	0.0	40	70	8
129	0.00		29	1	1	-0.1	-0.1	-6.1		0	1	3.1	4.2	1	0.0	-0.1	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	113	8
129	2.26		20	3	1	0.1	-0.1	-5.9		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.1	-0.1	-5.5		0	1	3.1	4.2	1	0.0	-0.1	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	113	8
130	0.00		29	1	1	0.2	0.2	-12.4		0	1	3.1	4.2	1	0.0	0.2	0.0	15.6	17.6	1.5	0.0	1	1	0.0	20	91	8
130	2.26		20	3	1	0.2	0.2	-12.2		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.2	-0.2	-11.9		0	1	3.1	4.2	1	0.0	0.2	0.0	15.6	17.6	1.5	0.0	1	1	0.0	20	91	8
131	0.00		28	1	1	-1.1	1.1	-54.2		0	1	3.0	1.0	1	-3.6	-0.3	0.0	42.5	3.3	6.3	0.0	5	9	0.0	40	70	8
131	1.40		220	3	1	1.1	-2.4	-53.3		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	1.1	-4.5	-52.7		0	1	3.0	1.0	1	-3.6	-0.3	0.0	42.5	3.3	6.3	0.0	5	9	0.0	40	70	8
132	0.00		29	1	1	-0.2	0.2	-8.7		0	1	3.1	4.2	1	0.0	-0.1	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	113	8
132	2.26		20	3	1	0.2	0.2	-8.5		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.2	-0.2	-8.1		0	1	3.1	4.2	1	0.0	-0.1	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	113	8
133	0.00		29	1	1	-0.4	0.4	-19.1		0	2	3.1	4.2	1	0.0	-0.4	0.0	16.5	18.6	1.5	0.0	2	2	0.0	20	91	8
133	2.26		20	3	1	0.4	0.4	-18.9		0	2	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.4	-0.4	-18.6		0	2	3.1	4.2	1	0.0	-0.4	0.0	16.5	18.6	1.5	0.0	2	2	0.0	20	91	8
160	0.00		30	1	1	-0.9	0.5	-26.5		0	1	3.1	15.4	1	0.0	-1.0	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	70	8
160	1.40		20	3	1	-0.5	0.5	-26.0		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.5	0.5	-25.2		0	1	3.1	15.4	1	0.0	-1.0	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	70	8
161	0.00		30	1	1	1.0	0.6	-28.8		0	1	3.1	15.4	1	-0.1	0.1	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	70	8
161	1.40		20	3	1	0.9	0.6	-28.3		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.8	-0.6	-27.6		0	1	3.1	15.4	1	-0.1	0.1	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	70	8
162	0.00		30	1	1	1.0	0.6	-30.0		0	1	3.1	15.4	1	-0.1	0.2	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	70	8
162	1.40		20	3	1	0.9	0.6	-29.5		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.8	-0.6	-28.7		0	1	3.1	15.4	1	-0.1	0.2	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	70	8
165	0.00		31	1	1	-1.1	1.1	-52.7		1	1	7.6	12.7	1	-3.0	-9.2	0.0	80.9	85.9	10.9	0.0	14	11	0.0	15	35	8
165	1.40		40	3	1	2.9	-1.0	-52.4		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	5.5	-1.2	-52.1		0	2	7.6	12.7	1	-3.0	-9.2	0.0	80.9	85.9	10.9	0.0	14	11	0.0	15	35	8
166	0.00		31	1	1	-0.8	-0.8	-40.8		0	1	7.6	12.7	1	0.8	-2.0	0.0	79.2	84.1	10.9	0.0	3	2	0.0	15	58	8
166	1.40		40	3	1	1.2	0.8	-40.2		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	2.1	0.8	-39.8		0	1	7.6	12.7	1	0.8	-2.0	0.0	79.2	84.1	10.9	0.0	3	2	0.0	15	58	8
1	1.40		3	1	1	2.0	-1.1	-52.7		1	4	6.0	4.0	1	0.4	1.8	0.0	10.4	18.2	4.3	0.0	7	10	0.0	20	137	8
1	4.84		30	3	1	1.0	-1.0	-52.3		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-3.0	1.0	-51.7		0	4	6.0	4.0	1	0.4	1.8	0.0	10.4	18.2	4.3	0.0	7	10	0.0	20	137	8
2	1.40		3	1	1	3.5	-1.4	-71.7		1	6	6.0	4.0	1	0.2	3.1	0.0	10.4	18.2	4.3	0.0	11	17	0.0	20	137	8
2	4.84		30	3	1	-1.6	1.4	-71.1		1	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-5.0	1.4	-70.6		0	6	6.0	4.0	1	0.2	3.1	0.0	10.4	18.2	4.3	0.0	11	17	0.0	20	137	8
3	1.40		3	1	1	3.5	1.4	-69.7		1	5	6.0	4.0	1	-0.3	3.1	0.0	10.4	18.2	4.3	0.0	12	17	0.0	20	137	8
3	4.84		30	3	1	-1.6	-1.4	-69.1		1	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-5.1	-1.4	-68.6		0	6	6.0	4.0	1	-0.3	3.1	0.0	10.4	18.2	4.3	0.0	12	17	0.0	20	137	8
4	1.40		3	1	1	1.8	-1.7	-86.7		2	6	6.0	4.0	1	0.0	1.4	0.0	10.4	18.2	4.3	0.0	5	8	0.0	20	137	8
4	4.84		30	3	1	1.7	-1.7	-86.2		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-2.1	-1.7	-85.6		2	6	6.0	4.0	1	0.0	1.4	0.0	10.4	18.2	4.3	0.0	5	8	0.0	20	137	8
5	1.40		3	1	1	1.8	-1.8	-88.4		2	6	6.0	4.0	2	0.0	-0.3	0.0	10.4	18.2	4.3	0.0	1	1	0.0	20	137	8
5	4.84		30	3	1	1.8	-1.8	-88.0		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	1.7	-1.7	-87.4		2	6	6.0	4.0	2	0.0	-0.3	0.0	10.4	18.2	4.3	0.0	1	1	0.0	20	137	8
6	1.40		3	1	1	1.8	-1.8	-90.1		2	6	6.0	4.0	1	0.0	0.4	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	137	8
6	4.84		30	3	1	1.8	-1.8	-89.7		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-1.8	1.8	-89.0		2	6	6.0	4.0	1	0.0	0.4	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	137	8
7	1.40		22	1	1	2.3	0.0	-80.2		2	6	12.1		1	0.0	0.7	0.0	21.4	21.4	7.1	0.0	3	3	0.0	8	137	8
7	4.84		20	3	1	-2.3	0.0	-79.9		2	6	12.1		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	8	0	8
1.92	0.00			5	1	-2.2	0.0	-79.3		2	6	12.1		1	0.0	0.7	0.0	21.4	21.4	7.1	0.0	3	3	0.0	8	137	8
8	1.40		3	1	1	1.7	1.6	-78.3		1	5	6.0	4.0	1	-0.2	1.5	0.0	10.4	18.2	4.3	0.0	6	8	0.0	20	137	8
8	4.84		30	3	1	1.6	-1.6	-77.9		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-2.4	-1.5	-77.3		1	5	6.0	4.0	1	-0.2	1.5	0.0	10.4	18.2	4.3	0.0	6	8	0.0	20	137	8
9	1.40		3	1	1	2.4	1.1	-53.3		1	4	6.0	4.0	1	-0.3	2.1	0.0	10.4	18.2	4.3	0.0	8	11	0.0	20	137	8
9	4.84		30	3	1	1.1	-1.1	-52.8		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-3.2	-1.0	-52.2		0	4	6.0	4.0	1	-0.3	2.1	0.0	10.4	18.2	4.3	0.0	8	11	0.0	20	137	8
10	1.40		3	1	1	-1.6	-1.6	-78.7		2	5	6.0	4.0	1	0.4	-0.1	0.0	10.4	18.2	4.3	0.0	2	4	0.0	20	137	8
10	4.84		30	3	1	-1.6	-1.6	-78.3		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	1.6	1.6	-77.6		1	5	6.0	4.0	1	0.4	-0.1	0.0	10.4	18.2	4.3	0.0	2	4	0.0	20	137	8
11	1.40		3	1	1	-2.2	-2.2	-109.1		2	7	6.0	4.0	1	0.0	-0.1	0.0	23.2	24.4	3.1	0.0	0	0	0.0	20	137	8
11	4.84		30	3	1	2.2	-2.2	-108.6		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.1	0.00		50	5	1	2.2	-2.2	-108.0		2	7	6.0	4.0	1	0.0	-0.1	0.0	23.2	24.4	3.1	0.0	0	0	0.0	20	137	8
12	1.40		3	1	1	2.2	-2.2	-109.2		2	8	6.0	4.0	1	0.0	0.1	0.0	23.2	24.5	3.1	0.0	0	0	0.0	20	137	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
12	4.84		30	3	1	2.2	-2.2	-108.8		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.09	0.00		50	5	1	-2.2	-2.2	-108.2		2	7	6.0	4.0	1	0.0	0.1	0.0	23.2	24.5	3.1	0.0	0	0	0.0	20	137	8
13	1.40		3	1	1	2.2	-2.2	-107.6		2	7	6.0	4.0	1	0.0	0.3	0.0	23.4	24.7	3.1	0.0	1	1	0.0	20	137	8
13	4.84		30	3	1	2.1	-2.1	-107.2		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.13	0.00		50	5	1	-2.1	-2.1	-106.6		2	7	6.0	4.0	1	0.0	0.3	0.0	23.4	24.7	3.1	0.0	1	1	0.0	20	137	8
14	1.40		3	1	1	2.1	-2.1	-105.5		2	7	6.0	4.0	1	0.0	0.5	0.0	23.6	24.9	3.0	0.0	2	1	0.0	20	137	8
14	4.84		30	3	1	2.1	-2.1	-105.1		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.19	0.00		50	5	1	-2.1	-2.1	-104.4		2	7	6.0	4.0	1	0.0	0.5	0.0	23.6	24.9	3.0	0.0	2	1	0.0	20	137	8
15	1.40		3	1	1	2.1	-2.1	-106.1		2	7	6.0	4.0	1	0.0	0.5	0.0	23.6	24.8	3.1	0.0	2	1	0.0	20	137	8
15	4.84		30	3	1	2.1	-2.1	-105.7		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.17	0.00		50	5	1	-2.1	-2.1	-105.1		2	7	6.0	4.0	1	0.0	0.5	0.0	23.6	24.8	3.1	0.0	2	1	0.0	20	137	8
16	1.40		22	1	1	3.1	0.0	-108.2		3	9	12.1		2	0.0	0.1	0.0	15.5	15.5	5.1	0.0	1	1	0.0	8	137	8
16	4.84		20	3	1	-3.1	0.0	-107.9		3	9	12.1		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	8	0	8
1.39	0.00			5	1	-3.0	0.0	-107.4		3	9	12.1		2	0.0	0.1	0.0	15.5	15.5	5.1	0.0	1	1	0.0	8	137	8
17	1.40		3	1	1	2.2	-2.2	-108.3		2	7	6.0	4.0	1	0.0	0.5	0.0	10.4	18.2	4.3	0.0	2	3	0.0	20	137	8
17	4.84		30	3	1	2.2	-2.2	-107.9		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-2.1	-2.1	-107.2		2	7	6.0	4.0	1	0.0	0.5	0.0	10.4	18.2	4.3	0.0	2	3	0.0	20	137	8
18	1.40		3	1	1	1.6	1.6	-78.7		2	5	6.0	4.0	1	-0.3	0.3	0.0	10.4	18.2	4.3	0.0	2	3	0.0	20	137	8
18	4.84		30	3	1	1.6	-1.6	-78.3		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-1.6	-1.6	-77.7		1	5	6.0	4.0	1	-0.3	0.3	0.0	10.4	18.2	4.3	0.0	2	3	0.0	20	137	8
19	1.40		3	1	1	-1.6	-1.6	-78.9		2	5	6.0	4.0	1	0.3	-0.1	0.0	10.4	18.2	4.3	0.0	1	3	0.0	20	137	8
19	4.84		30	3	1	-1.6	1.6	-78.4		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	1.6	1.6	-77.8		1	5	6.0	4.0	1	0.3	-0.1	0.0	10.4	18.2	4.3	0.0	1	3	0.0	20	137	8
20	1.40		3	1	1	-2.2	-2.2	-107.6		2	7	6.0	4.0	1	0.0	0.0	0.0	23.3	40.9	3.6	0.0	0	0	0.0	20	137	8
20	4.84		30	3	1	-2.1	-2.1	-107.2		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.13	0.00		50	5	1	-2.1	-2.1	-106.6		2	7	6.0	4.0	1	0.0	0.0	0.0	23.3	40.9	3.6	0.0	0	0	0.0	20	137	8
21	1.40		3	1	1	-2.1	2.1	-104.6		2	7	6.0	4.0	1	0.0	-1.0	0.0	23.7	25.0	3.0	0.0	4	2	0.0	20	137	8
21	4.84		30	3	1	-2.1	-2.1	-104.2		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.21	0.00		50	5	1	2.1	-2.1	-103.6		2	7	6.0	4.0	1	0.0	-1.0	0.0	23.7	25.0	3.0	0.0	4	2	0.0	20	137	8
22	1.40		3	1	1	-2.1	-2.1	-103.1		2	7	6.0	4.0	1	0.1	-1.0	0.0	10.4	18.2	4.3	0.0	5	5	0.0	20	137	8
22	4.84		30	3	1	-2.1	-2.1	-102.7		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.0	2.0	-102.1		2	7	6.0	4.0	1	0.1	-1.0	0.0	10.4	18.2	4.3	0.0	5	5	0.0	20	137	8
23	1.40		3	1	1	2.1	-2.1	-106.3		2	7	6.0	4.0	1	0.0	0.1	0.0	23.5	24.8	3.1	0.0	0	0	0.0	20	137	8
23	4.84		30	3	1	2.1	-2.1	-105.9		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.17	0.00		50	5	1	-2.1	-2.1	-105.2		2	7	6.0	4.0	1	0.0	0.1	0.0	23.5	24.8	3.1	0.0	0	0	0.0	20	137	8
24	1.40		3	1	1	-2.1	-2.1	-105.7		2	7	6.0	4.0	1	1.4	-0.8	0.0	10.4	18.2	4.3	0.0	10	14	0.0	20	137	8
24	4.84		30	3	1	2.1	2.1	-105.3		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.1	2.3	-104.7		2	7	6.0	4.0	1	1.4	-0.8	0.0	10.4	18.2	4.3	0.0	10	14	0.0	20	137	8
25	1.40		3	1	1	-2.1	2.1	-107.5		2	7	6.0	4.0	1	-1.5	-0.6	0.0	10.4	18.2	4.3	0.0	10	14	0.0	20	137	8
25	4.84		30	3	1	2.1	2.1	-107.0		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.1	-2.4	-106.4		2	8	6.0	4.0	1	-1.5	-0.6	0.0	10.4	18.2	4.3	0.0	10	14	0.0	20	137	8
26	1.40		3	1	1	-2.1	-2.1	-107.1		2	7	6.0	4.0	1	0.1	-0.5	0.0	23.4	24.7	3.1	0.0	3	1	0.0	20	137	8
26	4.84		30	3	1	-2.1	-2.1	-106.7		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.15	0.00		50	5	1	2.1	2.1	-106.1		2	7	6.0	4.0	1	0.1	-0.5	0.0	23.4	24.7	3.1	0.0	3	1	0.0	20	137	8
27	1.40		3	1	1	1.6	1.6	-78.9		2	5	6.0	4.0	1	-0.3	0.3	0.0	10.4	18.2	4.3	0.0	2	3	0.0	20	137	8
27	4.84		30	3	1	1.6	-1.6	-78.5		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-1.6	-1.6	-77.9		2	5	6.0	4.0	1	-0.3	0.3	0.0	10.4	18.2	4.3	0.0	2	3	0.0	20	137	8
28	1.40		3	1	1	-2.2	-1.0	-51.8		1	4	6.0	4.0	1	0.3	-1.9	0.0	10.4	18.2	4.3	0.0	7	11	0.0	20	137	8
28	4.84		30	3	1	-1.0	-1.0	-51.4		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	3.1	1.0	-50.8		0	4	6.0	4.0	1	0.3	-1.9	0.0	10.4	18.2	4.3	0.0	7	11	0.0	20	137	8
29	1.40		3	1	1	-3.0	-1.7	-83.8		1	6	6.0	4.0	1	0.0	-2.6	0.0	10.4	18.2	4.3	0.0	9	14	0.0	20	137	8
29	4.84		30	3	1	-1.7	-1.7	-83.4		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	4.1	1.7	-82.8		1	7	6.0	4.0	1	0.0	-2.6	0.0	10.4	18.2	4.3	0.0	9	14	0.0	20	137	8
30	1.40		3	1	1	-1.9	1.0	-48.1		1	3	6.0	4.0	1	-0.3	-1.7	0.0	10.4	18.2	4.3	0.0	7	9	0.0	20	137	8
30	4.84		30	3	1	-1.0	1.0	-47.7		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.8	-0.9	-47.1		0	4	6.0	4.0	1	-0.3	-1.7	0.0	10.4	18.2	4.3	0.0	7	9	0.0	20	137	8
31	1.40		3	1	1	-1.9	-1.0	-47.7		1	3	6.0	4.0	1	0.3	-1.7	0.0	10.4	18.2	4.3	0.0	7	9	0.0	20	137	8
31	4.84		30	3	1	-0.9	-0.9	-47.3		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.7	0.9	-46.7		0	4	6.0	4.0	1	0.3	-1.7	0.0	10.4	18.2	4.3	0.0	7	9	0.0	20	137	8
32	1.40		3	1	1	-2.8	1.6	-82.2		1	6	6.0	4.0	1	0.0	-2.5	0.0	10.4	18.2	4.3	0.0	8	14	0.0	20	137	8
32	4.84		30	3	1	-1.6	-1.6	-81.8		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	4.0	-1.6	-81.2		1	6	6.0	4.0	1	0.0	-2.5	0.0	10.4	18.2	4.3	0.0	8	14	0.0	20	137	8
33	1.40		3	1	1	-0.4	0.4	-19.2		0	1	6.0	4.0	1	-0.1	-0.4	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	86	8
33	3.12		30	3	1	-0.4	0.4	-18.9		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.4	-0.4	-18.6		0	1	6.0	4.0	1	-0.1	-0.4	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	86	8
34	1.40		3	1	1	-0.4	-0.4	-18.2		0	1	6.0	4.0	1	0.2	-0.3	0.0	24.9	26.3	2.7	0.0	2	2	0.0	20	86	8
34	3.12		30	3	1	-0.4	-0.4	-18.0		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.4	0.4	-17.6		0	1	6.0	4.0	1	0.2	-0.3	0.0	24.9	26.3	2.7	0.0	2	2	0.0	20	86	8
35	1.40		3	1	1	-1.9	-1.7	-83.0		1	6	6.0	4.0	1	0.1	-2.1	0.0	10.4	18.2	4.3	0.0	8	12	0.0	20	137	8
35	4.84		30	3	1	1.7	-1.7	-82.6		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	3.9	1.6	-82.0		1	6	6.0	4.0	1	0.1	-2.1	0.0	10.4	18.2	4.3	0.0	8	12	0.0	20	137	8
36	1.40		3	1	1	-1.8	1.0	-51.2		1	4	6.0	4.0	1	-0.2	-1.7	0.0	10.4	18.2	4.3	0.0	7	9	0.0	20	137	8
36	4.84		30	3	1	1.0	1.0	-50.8		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.9	-1.0	-50.2		0	4	6.0	4.0	1	-0.2	-1.7	0.0	10.4	18.2	4.3	0.0	7	9	0.0	20	137	8
37	1.40		1	1	1	-0.5	-0.5	-25.4		1	3	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
37	4.84		30	3	1	0.5	-0.5	-25.2		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.5	-0.5	-24.8		1	3	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
38	1.40		22	1	1	-0.8	0.0	-26.6		1	2	12.1		1	0.0	-0.2	0.0	22.6	22.6	7.5	0.0	1	1	0.0	8	137	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
38	4.84		20	3	1	0.7	0.0	-26.3		1	2	12.1		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	8	0	8
2.03	0.00			5	1	0.7	0.0	-25.8		1	2	12.1		1	0.0	-0.2	0.0	22.6	22.6	7.5	0.0	1	1	0.0	8	137	8
39	1.40		1	1	1	0.3	-0.3	-15.5		0	2	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
39	4.84		30	3	1	0.3	-0.3	-15.2		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.3	0.3	-14.9		0	2	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
40	1.40		1	1	1	-0.3	-0.3	-14.5		0	2	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
40	4.84		30	3	1	0.3	-0.3	-14.2		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.3	-0.3	-13.9		0	2	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
41	1.40		1	1	1	0.5	-0.4	-8.9		0	2	4.0	4.0	1	0.5	0.6	0.0	14.6	14.6	1.4	0.0	7	6	0.0	20	137	8
41	4.84		30	3	1	-0.4	0.3	-8.5		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-1.1	0.8	-8.2		3	4	4.0	4.0	1	0.5	0.6	0.0	14.6	14.6	1.4	0.0	7	6	0.0	20	137	8
42	1.40		1	1	1	-0.2	-0.2	-10.2		0	1	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
42	4.84		30	3	1	-0.2	-0.2	-10.0		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.2	0.2	-9.6		0	1	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
43	1.40		1	1	1	1.6	0.3	-13.5		2	4	4.0	4.0	1	-0.2	1.4	0.0	10.4	10.4	2.3	0.0	10	14	0.0	20	137	8
43	4.84		30	3	1	-0.7	-0.3	-13.1		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-2.3	-0.4	-12.9		5	6	4.0	4.0	1	-0.2	1.4	0.0	10.4	10.4	2.3	0.0	10	14	0.0	20	137	8
44	1.40		1	1	1	1.8	-0.2	-11.6		4	4	4.0	4.0	1	0.1	1.5	0.0	10.4	10.4	2.3	0.0	11	15	0.0	20	137	8
44	4.84		30	3	1	-0.7	0.2	-11.2		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-2.4	0.2	-11.0		7	6	4.0	4.0	1	0.1	1.5	0.0	10.4	10.4	2.3	0.0	11	15	0.0	20	137	8
45	1.40		1	1	1	1.2	0.3	-7.0		3	3	4.0	4.0	1	-0.3	1.0	0.0	10.4	10.4	2.3	0.0	9	10	0.0	20	137	8
45	4.84		30	3	1	-0.4	-0.2	-6.6		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-1.5	-0.5	-6.4		5	4	4.0	4.0	1	-0.3	1.0	0.0	10.4	10.4	2.3	0.0	9	10	0.0	20	137	8
128	1.40		28	1	1	-0.6	1.5	-30.7		0	1	3.0	1.0	1	-1.0	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
128	3.12		220	3	1	-0.6	0.8	-29.9		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	-0.6	-0.6	-28.8		0	1	3.0	1.0	1	-1.0	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
129	2.26		29	1	1	-0.2	0.2	-9.3		0	1	3.1	4.2	1	-0.1	-0.1	0.0	15.2	17.2	1.5	0.0	1	1	0.0	20	55	8
129	3.98		20	3	1	-0.2	0.2	-9.2		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.2	-0.2	-9.1		0	1	3.1	4.2	1	-0.1	-0.1	0.0	15.2	17.2	1.5	0.0	1	1	0.0	20	55	8
131	1.40		28	1	1	0.9	1.0	-43.8		0	1	3.0	1.0	1	-0.9	-0.1	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
131	3.12		220	3	1	0.9	0.9	-43.1		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.8	-0.8	-42.0		0	1	3.0	1.0	1	-0.9	-0.1	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
132	2.26		29	1	1	-0.3	0.3	-16.1		0	2	3.1	4.2	1	0.0	-0.3	0.0	16.1	18.2	1.5	0.0	2	2	0.0	20	55	8
132	3.98		20	3	1	0.3	0.3	-16.0		0	2	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.3	-0.3	-15.8		0	2	3.1	4.2	1	0.0	-0.3	0.0	16.1	18.2	1.5	0.0	2	2	0.0	20	55	8
160	1.40		30	1	1	1.0	0.6	-28.4		0	1	3.1	15.4	1	-0.1	0.6	0.0	73.1	89.3	8.9	0.0	1	1	0.0	20	86	8
160	3.12		20	3	1	0.6	-0.6	-27.8		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.5	-0.5	-26.9		0	1	3.1	15.4	1	-0.1	0.6	0.0	73.1	89.3	8.9	0.0	1	1	0.0	20	86	8
161	1.40		30	1	1	-0.5	-0.5	-25.9		0	1	3.1	15.4	1	0.0	1.2	0.0	72.7	88.9	8.9	0.0	1	1	0.0	20	86	8
161	3.12		20	3	1	-1.4	-0.5	-25.0		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-2.3	0.5	-24.4		0	1	3.1	15.4	1	0.0	1.2	0.0	72.7	88.9	8.9	0.0	1	1	0.0	20	86	8
162	1.40		30	1	1	-0.5	-0.5	-22.8		0	1	3.1	15.4	1	0.0	1.1	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
162	3.12		20	3	1	-1.4	-0.4	-21.8		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-2.2	0.4	-21.2		0	1	3.1	15.4	1	0.0	1.1	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
165	1.40		31	1	1	-2.3	1.0	-48.8		0	1	7.6	12.7	1	-0.5	-2.0	0.0	80.2	85.2	10.9	0.0	3	2	0.0	15	86	8
165	3.12		40	3	1	-1.0	1.0	-48.2		1	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	1.1	-0.9	-47.3		1	1	7.6	12.7	1	-0.5	-2.0	0.0	80.2	85.2	10.9	0.0	3	2	0.0	15	86	8
166	1.40		31	1	1	-1.6	-1.0	-50.5		1	1	7.6	12.7	1	0.8	-1.6	0.0	80.5	85.5	10.9	0.0	3	2	0.0	15	86	8
166	3.12		40	3	1	-1.0	-1.0	-50.0		1	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	1.3	1.0	-49.1		1	1	7.6	12.7	1	0.8	-1.6	0.0	80.5	85.5	10.9	0.0	3	2	0.0	15	86	8
167	1.40		22	1	1	0.3	0.0	-10.4		0	1	18.5		1	0.0	-0.2	0.0	25.7	25.7	8.2	0.0	1	1	0.0	10	142	8
167	4.84		20	3	1	0.3	0.0	-10.0		0	1	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.2	0.00			5	1	0.4	0.0	-9.5		0	1	18.5		1	0.0	-0.2	0.0	25.7	25.7	8.2	0.0	1	1	0.0	10	142	8
168	1.40		22	1	1	0.3	0.0	-10.0		0	1	18.5		1	0.0	-0.2	0.0	25.7	25.7	8.2	0.0	1	1	0.0	10	142	8
168	4.84		20	3	1	0.3	0.0	-9.6		0	1	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.2	0.00			5	1	0.4	0.0	-9.1		0	1	18.5		1	0.0	-0.2	0.0	25.7	25.7	8.2	0.0	1	1	0.0	10	142	8
33	3.12		3	1	1	0.4	-0.4	-19.6		0	1	6.0	4.0	1	-0.1	-0.5	0.0	10.4	18.2	4.3	0.0	2	3	0.0	20	51	8
33	4.84		30	3	1	0.4	-0.4	-19.4		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.6	-0.4	-19.2		0	1	6.0	4.0	1	-0.1	-0.5	0.0	10.4	18.2	4.3	0.0	2	3	0.0	20	51	8
34	3.12		3	1	1	0.4	-0.4	-19.5		0	1	6.0	4.0	1	0.2	-0.4	0.0	25.1	26.5	2.7	0.0	2	2	0.0	20	51	8
34	4.84		30	3	1	0.4	0.4	-19.3		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.5	0.4	-19.1		0	1	6.0	4.0	1	0.2	-0.4	0.0	25.1	26.5	2.7	0.0	2	2	0.0	20	51	8
128	3.12		28	1	1	0.5	0.6	-27.0		0	1	3.0	1.0	1	-0.8	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
128	4.84		220	3	1	0.5	0.5	-26.3		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.5	-0.7	-25.1		0	1	3.0	1.0	1	-0.8	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
129	3.98		29	1	1	0.1	0.1	-6.5		0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	86	8
129	5.70		20	3	1	0.1	0.1	-6.4		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.1	-0.1	-6.1		0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	86	8
130	2.26		29	1	1	0.1	0.1	-6.8		0	1	3.1	4.2	1	0.0	0.1	0.0	14.9	16.8	1.5	0.0	1	0	0.0	20	82	8
130	3.98		20	3	1	0.1	0.1	-6.6		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.1	-0.1	-6.3		0	1	3.1	4.2	1	0.0	0.1	0.0	14.9	16.8	1.5	0.0	1	0	0.0	20	82	8
131	3.12		28	1	1	-0.8	1.2	-42.1		0	1	3.0	1.0	1	-0.9	-0.2	0.0	42.5	3.3	6.3	0.0	1	6	0.0	40	86	8
131	4.84		220	3	1	-0.8	0.8	-41.4		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.8	-0.8	-40.2		0	1	3.0	1.0	1	-0.9	-0.2	0.0	42.5	3.3	6.3	0.0	1	6	0.0	40	86	8
132	3.98		29	1	1	-0.3	0.2	-8.7		0	1	3.1	4.2	1	0.0	-0.3	0.0	15.1	17.1	1.5	0.0	2	2	0.0	20	86	8
132	5.70		20	3	1	-0.2	0.2	-8.5		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.2	-0.2	-8.2		0	1	3.1	4.2	1	0.0	-0.3	0.0	15.1	17.1	1.5	0.0	2	2	0.0	20	86	8
133	2.26		29	1	1	-0.3	0.2	-9.7		0	1	3.1	4.2	1	0.0	-0.2	0.0	15.3	17.2	1.5	0.0	1	1	0.0	20	82	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
133	3.98		20	3	1	-0.2	0.2	-9.5		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.2	-0.2	-9.3		0	1	3.1	4.2	1	0.0	-0.2	0.0	15.3	17.2	1.5	0.0	1	1	0.0	20	82	8
160	3.12		30	1	1	0.4	0.4	-18.5		0	0	3.1	15.4	1	-0.1	0.3	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	86	8
160	4.84		20	3	1	0.4	0.4	-17.8		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-0.3	-0.3	-16.9		0	0	3.1	15.4	1	-0.1	0.3	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	86	8
161	3.12		30	1	1	2.2	-0.5	-23.9		0	1	3.1	15.4	2	0.0	0.7	0.0	72.5	88.6	8.9	0.0	1	1	0.0	20	86	8
161	4.84		20	3	1	1.7	-0.5	-23.3		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	1.0	0.4	-22.4		0	1	3.1	15.4	2	0.0	0.7	0.0	72.5	88.6	8.9	0.0	1	1	0.0	20	86	8
162	3.12		30	1	1	2.9	-0.5	-23.5		0	1	3.1	15.4	1	0.0	1.5	0.0	72.4	88.5	8.9	0.0	2	2	0.0	20	86	8
162	4.84		20	3	1	1.8	-0.5	-22.9		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.4	0.4	-22.0		0	1	3.1	15.4	1	0.0	1.5	0.0	72.4	88.5	8.9	0.0	2	2	0.0	20	86	8
165	3.12		31	1	1	1.4	-0.9	-46.3		0	1	7.6	12.7	1	-0.5	-1.9	0.0	80.0	84.9	10.9	0.0	3	2	0.0	15	51	8
165	4.84		40	3	1	2.6	-0.9	-45.8		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	3.4	-0.9	-45.5		0	1	7.6	12.7	1	-0.5	-1.9	0.0	80.0	84.9	10.9	0.0	3	2	0.0	15	51	8
166	3.12		31	1	1	1.7	-0.9	-47.2		0	1	7.6	12.7	1	0.8	-1.6	0.0	80.1	85.1	10.9	0.0	3	2	0.0	15	51	8
166	4.84		40	3	1	2.6	0.9	-46.7		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	3.3	0.9	-46.3		0	1	7.6	12.7	1	0.8	-1.6	0.0	80.1	85.1	10.9	0.0	3	2	0.0	15	51	8
1	4.84		2	1	1	2.4	-0.7	-34.8		0	4	4.0	4.0	1	0.3	1.9	0.0	10.4	14.3	3.3	0.0	9	13	0.0	20	137	8
1	8.28		30	3	1	-0.7	0.7	-34.3		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-2.8	0.7	-33.9		1	4	4.0	4.0	1	0.3	1.9	0.0	10.4	14.3	3.3	0.0	9	13	0.0	20	137	8
2	4.84		2	1	1	4.1	-0.9	-46.2		1	6	4.0	4.0	1	0.4	3.1	0.0	10.4	14.3	3.3	0.0	15	22	0.0	20	137	8
2	8.28		30	3	1	-1.1	0.9	-45.7		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-4.6	0.9	-45.4		2	7	4.0	4.0	1	0.4	3.1	0.0	10.4	14.3	3.3	0.0	15	22	0.0	20	137	8
3	4.84		2	1	1	4.1	0.9	-44.8		1	6	4.0	4.0	1	-0.4	3.2	0.0	10.4	14.3	3.3	0.0	16	22	0.0	20	137	8
3	8.28		30	3	1	-1.1	-0.9	-44.3		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-4.6	-0.9	-44.0		2	7	4.0	4.0	1	-0.4	3.2	0.0	10.4	14.3	3.3	0.0	16	22	0.0	20	137	8
4	4.84		2	1	1	2.3	1.1	-53.4		0	5	4.0	4.0	1	0.0	1.9	0.0	10.4	14.3	3.3	0.0	8	13	0.0	20	137	8
4	8.28		30	3	1	1.1	1.1	-53.0		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-3.0	-1.1	-52.5		0	6	4.0	4.0	1	0.0	1.9	0.0	10.4	14.3	3.3	0.0	8	13	0.0	20	137	8
5	4.84		2	1	1	1.7	1.0	-52.0		1	5	4.0	4.0	1	0.0	1.7	0.0	10.4	14.3	3.3	0.0	7	12	0.0	20	137	8
5	8.28		30	3	1	-1.1	-1.0	-51.5		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-3.0	-1.0	-51.2		0	6	4.0	4.0	1	0.0	1.7	0.0	10.4	14.3	3.3	0.0	7	12	0.0	20	137	8
6	4.84		2	1	1	1.9	-1.1	-53.3		1	5	4.0	4.0	1	0.0	1.7	0.0	24.2	25.0	2.2	0.0	7	5	0.0	20	137	8
6	8.28		30	3	1	1.1	-1.1	-53.0		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.33	0.00		40	5	1	-2.8	1.1	-52.5		0	6	4.0	4.0	1	0.0	1.7	0.0	24.2	25.0	2.2	0.0	7	5	0.0	20	137	8
7	4.84		2	1	1	3.5	-0.9	-45.2		1	6	4.0	4.0	1	0.4	2.9	0.0	10.4	14.3	3.3	0.0	14	20	0.0	20	137	8
7	8.28		30	3	1	-1.3	0.9	-44.7		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-4.5	0.9	-44.4		2	7	4.0	4.0	1	0.4	2.9	0.0	10.4	14.3	3.3	0.0	14	20	0.0	20	137	8
8	4.84		2	1	1	3.5	0.9	-46.2		1	6	4.0	4.0	1	-0.3	2.9	0.0	10.4	14.3	3.3	0.0	14	20	0.0	20	137	8
8	8.28		30	3	1	-1.3	-0.9	-45.7		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-4.5	-0.9	-45.3		2	7	4.0	4.0	1	-0.3	2.9	0.0	10.4	14.3	3.3	0.0	14	20	0.0	20	137	8
9	4.84		2	1	1	2.8	0.7	-35.2		1	4	4.0	4.0	1	-0.3	2.2	0.0	10.4	14.3	3.3	0.0	10	15	0.0	20	137	8
9	8.28		30	3	1	-0.8	-0.7	-34.7		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-3.1	-0.7	-34.4		1	5	4.0	4.0	1	-0.3	2.2	0.0	10.4	14.3	3.3	0.0	10	15	0.0	20	137	8
10	4.84		2	1	1	-1.0	-1.0	-50.9		1	4	4.0	4.0	1	0.1	-0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
10	8.28		30	3	1	-1.0	-1.0	-50.5		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.0	-1.0	-50.0		1	4	4.0	4.0	1	0.1	-0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
11	4.84		2	1	1	-1.4	1.4	-67.9		2	6	4.0	4.0	1	0.0	-0.2	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	137	8
11	8.28		30	3	1	-1.4	-1.4	-67.6		2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.3	-1.3	-67.1		2	6	4.0	4.0	1	0.0	-0.2	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	137	8
12	4.84		2	1	1	1.4	1.4	-68.2		2	6	4.0	4.0	2	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
12	8.28		30	3	1	1.4	-1.4	-67.9		2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.3	-1.3	-67.4		2	6	4.0	4.0	2	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
13	4.84		2	1	1	1.3	1.3	-67.3		2	6	4.0	4.0	1	0.0	0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
13	8.28		30	3	1	1.3	-1.3	-66.9		2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.3	-1.3	-66.4		2	6	4.0	4.0	1	0.0	0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
14	4.84		2	1	1	1.3	1.3	-66.3		2	6	4.0	4.0	2	0.0	0.1	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
14	8.28		30	3	1	1.3	-1.3	-66.0		2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.3	-1.3	-65.5		1	6	4.0	4.0	2	0.0	0.1	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
15	4.84		2	1	1	1.3	-1.3	-66.7		2	6	4.0	4.0	1	0.0	0.3	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	137	8
15	8.28		30	3	1	1.3	-1.3	-66.3		2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.3	-1.3	-65.8		1	6	4.0	4.0	1	0.0	0.3	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	137	8
16	4.84		2	1	1	1.4	1.4	-68.3		2	6	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
16	8.28		30	3	1	1.4	-1.4	-67.9		2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.3	-1.3	-67.5		2	6	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
17	4.84		2	1	1	1.4	1.4	-68.0		2	6	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
17	8.28		30	3	1	1.4	-1.4	-67.7		2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.3	-1.3	-67.2		2	6	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
18	4.84		2	1	1	1.0	1.0	-50.7		1	4	4.0	4.0	1	-0.1	0.2	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	137	8
18	8.28		30	3	1	1.0	1.0	-50.4		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.0	-1.0	-49.9		1	4	4.0	4.0	1	-0.1	0.2	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	137	8
19	4.84		2	1	1	-1.0	-1.0	-50.9		1	4	4.0	4.0	1	0.1	-0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
19	8.28		30	3	1	-1.0	-1.0	-50.5		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.0	-1.0	-50.0		1	4	4.0	4.0	1	0.1	-0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
20	4.84		2	1	1	-1.3	1.3	-66.6		2	6	4.0	4.0	2	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
20	8.28		30	3	1	-1.3	1.3	-66.2		2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.3	-1.3	-65.7		1	6	4.0	4.0	2	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
21	4.84		2	1	1	-1.4	-1.4	-67.7		2	6	4.0	4.0	1	0.1	-1.1	0.0	10.4	14.3	3.3	0.0	5	7	0.0	20	137	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
21	8.28		30	3	1	-1.3	1.3	-67.4		2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.5	1.3	-66.9		1	6	4.0	4.0	1	0.1	-1.1	0.0	10.4	14.3	3.3	0.0	5	7	0.0	20	137	8
22	4.84		2	1	1	-1.3	1.3	-66.1		2	6	4.0	4.0	1	-0.1	-1.0	0.0	10.4	14.3	3.3	0.0	5	7	0.0	20	137	8
22	8.28		30	3	1	-1.3	-1.3	-65.7		1	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.4	-1.3	-65.2		1	6	4.0	4.0	1	-0.1	-1.0	0.0	10.4	14.3	3.3	0.0	5	7	0.0	20	137	8
23	4.84		2	1	1	1.3	1.3	-65.6		1	6	4.0	4.0	1	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
23	8.28		30	3	1	1.3	1.3	-65.3		1	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.3	-1.3	-64.8		1	6	4.0	4.0	1	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
24	4.84		2	1	1	-1.4	-2.6	-67.8		1	7	4.0	4.0	1	1.9	-0.9	0.0	10.4	14.3	3.3	0.0	13	18	0.0	20	137	8
24	8.28		30	3	1	-1.3	-1.3	-67.5		2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.4	2.6	-67.0		1	7	4.0	4.0	1	1.9	-0.9	0.0	10.4	14.3	3.3	0.0	13	18	0.0	20	137	8
25	4.84		2	1	1	-1.4	2.6	-68.7		1	7	4.0	4.0	1	-1.9	-0.9	0.0	10.4	14.3	3.3	0.0	13	18	0.0	20	137	8
25	8.28		30	3	1	-1.4	1.4	-68.4		2	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.4	-2.7	-67.9		1	7	4.0	4.0	1	-1.9	-0.9	0.0	10.4	14.3	3.3	0.0	13	18	0.0	20	137	8
26	4.84		2	1	1	1.3	1.3	-66.2		2	6	4.0	4.0	1	0.0	0.4	0.0	10.4	14.3	3.3	0.0	2	3	0.0	20	137	8
26	8.28		30	3	1	1.3	1.3	-65.8		1	6	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.3	-1.3	-65.3		1	6	4.0	4.0	1	0.0	0.4	0.0	10.4	14.3	3.3	0.0	2	3	0.0	20	137	8
27	4.84		2	1	1	1.0	1.0	-51.0		1	4	4.0	4.0	1	-0.1	0.4	0.0	10.4	14.3	3.3	0.0	2	3	0.0	20	137	8
27	8.28		30	3	1	1.0	1.0	-50.7		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.0	1.0	-50.2		1	4	4.0	4.0	1	-0.1	0.4	0.0	10.4	14.3	3.3	0.0	2	3	0.0	20	137	8
28	4.84		2	1	1	-2.8	-0.7	-34.2		1	4	4.0	4.0	1	0.2	-2.1	0.0	10.4	14.3	3.3	0.0	10	15	0.0	20	137	8
28	8.28		30	3	1	0.8	0.7	-33.7		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	3.1	0.7	-33.4		1	5	4.0	4.0	1	0.2	-2.1	0.0	10.4	14.3	3.3	0.0	10	15	0.0	20	137	8
29	4.84		2	1	1	-3.0	1.1	-55.0		0	6	4.0	4.0	1	0.0	-2.3	0.0	10.4	14.3	3.3	0.0	10	16	0.0	20	137	8
29	8.28		30	3	1	-1.1	1.1	-54.7		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	3.2	1.1	-54.2		0	6	4.0	4.0	1	0.0	-2.3	0.0	10.4	14.3	3.3	0.0	10	16	0.0	20	137	8
30	4.84		2	1	1	-2.2	0.6	-32.0		0	4	4.0	4.0	1	-0.2	-1.7	0.0	10.4	14.3	3.3	0.0	8	12	0.0	20	137	8
30	8.28		30	3	1	-0.6	0.6	-31.7		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	2.4	-0.6	-31.2		0	4	4.0	4.0	1	-0.2	-1.7	0.0	10.4	14.3	3.3	0.0	8	12	0.0	20	137	8
31	4.84		2	1	1	-2.1	-0.6	-31.7		0	4	4.0	4.0	1	0.2	-1.6	0.0	10.4	14.3	3.3	0.0	8	11	0.0	20	137	8
31	8.28		30	3	1	-0.6	-0.6	-31.4		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	2.3	0.6	-30.9		0	4	4.0	4.0	1	0.2	-1.6	0.0	10.4	14.3	3.3	0.0	8	11	0.0	20	137	8
32	4.84		2	1	1	-2.9	1.1	-54.0		0	6	4.0	4.0	1	0.0	-2.1	0.0	10.4	14.3	3.3	0.0	9	15	0.0	20	137	8
32	8.28		30	3	1	-1.1	1.1	-53.7		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	3.0	-1.1	-53.2		0	6	4.0	4.0	1	0.0	-2.1	0.0	10.4	14.3	3.3	0.0	9	15	0.0	20	137	8
33	4.84		2	1	1	-0.3	0.2	-10.4		0	1	4.0	4.0	1	-0.1	-0.3	0.0	19.4	20.0	2.0	0.0	2	2	0.0	20	91	8
33	6.65		30	3	1	-0.2	0.2	-10.2		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	0.2	-0.2	-9.9		0	1	4.0	4.0	1	-0.1	-0.3	0.0	19.4	20.0	2.0	0.0	2	2	0.0	20	91	8
34	4.84		2	1	1	-0.3	-0.2	-10.7		0	1	4.0	4.0	1	0.1	-0.3	0.0	19.4	20.1	2.0	0.0	2	2	0.0	20	91	8
34	6.65		30	3	1	-0.2	-0.2	-10.5		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	0.2	0.2	-10.2		0	1	4.0	4.0	1	0.1	-0.3	0.0	19.4	20.1	2.0	0.0	2	2	0.0	20	91	8
35	4.84		2	1	1	-2.9	1.1	-54.5		0	6	4.0	4.0	1	0.0	-2.1	0.0	10.4	14.3	3.3	0.0	9	15	0.0	20	137	8
35	8.28		30	3	1	-1.1	1.1	-54.2		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	3.0	1.1	-53.7		0	6	4.0	4.0	1	0.0	-2.1	0.0	10.4	14.3	3.3	0.0	9	15	0.0	20	137	8
36	4.84		2	1	1	-2.4	0.7	-33.8		0	4	4.0	4.0	1	-0.2	-1.9	0.0	10.4	14.3	3.3	0.0	9	13	0.0	20	137	8
36	8.28		30	3	1	0.7	-0.7	-33.3		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	2.8	-0.7	-32.9		1	4	4.0	4.0	1	-0.2	-1.9	0.0	10.4	14.3	3.3	0.0	9	13	0.0	20	137	8
128	4.84		28	1	1	-0.5	0.7	-23.8		0	1	3.0	1.0	1	-0.7	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	91	8
128	6.65		220	3	1	-0.5	0.5	-23.0		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	-0.4	-0.6	-21.8		0	0	3.0	1.0	1	-0.7	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	91	8
129	5.70		29	1	1	-0.2	0.2	-7.5		0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	1	0.0	20	58	8
129	7.46		20	3	1	-0.1	0.1	-7.4		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.1	-0.1	-7.2		0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	1	0.0	20	58	8
130	3.98		29	1	1	0.1	0.1	-6.3		0	1	3.1	4.2	1	0.0	0.1	0.0	14.8	16.7	1.5	0.0	1	1	0.0	20	71	8
130	5.84		20	3	1	-0.1	0.1	-6.1		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.2	-0.1	-5.9		0	1	3.1	4.2	1	0.0	0.1	0.0	14.8	16.7	1.5	0.0	1	1	0.0	20	71	8
131	4.84		28	1	1	0.7	0.7	-33.3		0	1	3.0	1.0	1	0.3	-0.1	0.0	42.5	3.3	6.3	0.0	0	2	0.0	40	91	8
131	6.65		220	3	1	0.6	0.9	-32.1		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.6	1.1	-31.3		0	1	3.0	1.0	1	0.3	-0.1	0.0	42.5	3.3	6.3	0.0	0	2	0.0	40	91	8
132	5.70		29	1	1	-0.2	-0.2	-12.3		0	1	3.1	4.2	1	0.0	-0.4	0.0	15.6	17.6	1.5	0.0	2	2	0.0	20	58	8
132	7.46		20	3	1	0.3	0.2	-12.1		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.4	0.2	-12.0		0	1	3.1	4.2	1	0.0	-0.4	0.0	15.6	17.6	1.5	0.0	2	2	0.0	20	58	8
133	3.98		29	1	1	-0.2	-0.2	-11.4		0	1	3.1	4.2	1	0.0	-0.5	0.0	15.5	17.5	1.5	0.0	3	3	0.0	20	71	8
133	5.84		20	3	1	0.2	0.2	-11.2		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.5	0.2	-11.0		0	1	3.1	4.2	1	0.0	-0.5	0.0	15.5	17.5	1.5	0.0	3	3	0.0	20	71	8
160	4.84		30	1	1	0.4	0.4	-22.4		0	1	3.1	15.4	1	0.0	0.5	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	91	8
160	6.65		20	3	1	0.4	-0.4	-21.7		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-0.5	-0.4	-20.7		0	1	3.1	15.4	1	0.0	0.5	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	91	8
161	4.84		30	1	1	-1.6	-0.3	-15.2		0	0	3.1	15.4	2	0.0	0.6	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	91	8
161	6.65		20	3	1	-2.2	0.3	-14.2		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-2.5	0.3	-13.6		0	0	3.1	15.4	2	0.0	0.6	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	91	8
162	4.84		30	1	1	-1.1	-0.3	-15.6		0	0	3.1	15.4	2	0.0	1.1	0.0	71.4	87.3	8.9	0.0	1	1	0.0	20	91	8
162	6.65		20	3	1	-2.3	0.3	-14.6		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-3.1	0.3	-13.9		0	1	3.1	15.4	2	0.0	1.1	0.0	71.4	87.3	8.9	0.0	1	1	0.0	20	91	8
165	4.84		31	1	1	-3.5	0.9	-34.9		0	1	7.6	12.7	1	-0.7	-2.6	0.0	78.3	83.2	10.9	0.0	4	3	0.0	15	91	8
165	6.65		40	3	1	-1.6	0.7	-34.3		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	1.2	-0.7	-33.4		0	1	7.6	12.7	1	-0.7	-2.6	0.0	78.3	83.2	10.9	0.0	4	3	0.0	15	91	8
166	4.84		31	1	1	-3.4	-0.9	-35.3		0	1	7.6	12.7	1	0.8	-2.6	0.0	78.3	83.2	10.9	0.0	4	3	0.0	15	91	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
166	6.65		40	3	1	-1.5	-0.7	-34.6		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	1.3	0.7	-33.7		0	1	7.6	12.7	1	0.8	-2.6	0.0	78.3	83.2	10.9	0.0	4	3	0.0	15	91	8
167	4.84		22	1	1	-0.4	0.0	-7.0		0	1	18.5		1	0.0	-0.3	0.0	25.5	25.5	8.1	0.0	1	1	0.0	10	142	8
167	8.28		20	3	1	-0.2	0.0	-6.7		0	0	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.18	0.00		5	1	1	0.4	0.0	-6.2		0	1	18.5		1	0.0	-0.3	0.0	25.5	25.5	8.1	0.0	1	1	0.0	10	142	8
168	4.84		22	1	1	-0.4	0.0	-6.7		0	1	18.5		1	0.0	-0.3	0.0	25.5	25.5	8.1	0.0	1	1	0.0	10	142	8
168	8.28		20	3	1	-0.2	0.0	-6.4		0	0	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.18	0.00		5	1	1	0.4	0.0	-5.9		0	1	18.5		1	0.0	-0.3	0.0	25.5	25.5	8.1	0.0	1	1	0.0	10	142	8
33	6.65		2	1	1	0.2	-0.2	-11.0		0	1	4.0	4.0	1	-0.2	-0.4	0.0	10.4	14.3	3.3	0.0	3	3	0.0	20	46	8
33	8.28		30	3	1	0.2	-0.2	-10.8		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	0.4	-0.2	-10.7		0	1	4.0	4.0	1	-0.2	-0.4	0.0	10.4	14.3	3.3	0.0	3	3	0.0	20	46	8
34	6.65		2	1	1	0.2	0.2	-11.3		0	1	4.0	4.0	1	0.1	-0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	46	8
34	8.28		30	3	1	0.2	0.2	-11.1		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	0.4	0.2	-11.0		0	1	4.0	4.0	1	0.1	-0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	46	8
128	6.65		28	1	1	0.4	0.4	-17.9		0	0	3.0	1.0	1	-0.6	0.0	0.0	76.5	65.2	7.1	0.0	1	1	0.0	20	81	8
128	8.28		220	3	1	0.3	-0.4	-16.8		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		20	5	1	-0.3	-0.8	-16.1		0	0	3.0	1.0	1	-0.6	0.0	0.0	76.5	65.2	7.1	0.0	1	1	0.0	20	81	8
129	7.46		29	1	1	0.1	-0.1	-4.4		0	0	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	84	8
129	9.14		20	3	1	0.1	-0.1	-4.3		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.1	-0.1	-4.0		0	0	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	84	8
130	5.84		29	1	1	0.1	0.1	-4.5		0	0	3.1	4.2	1	0.0	0.1	0.0	14.6	16.5	1.5	0.0	1	1	0.0	20	75	8
130	7.42		20	3	1	0.1	0.1	-4.4		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.1	-0.1	-4.1		0	0	3.1	4.2	1	0.0	0.1	0.0	14.6	16.5	1.5	0.0	1	1	0.0	20	75	8
131	6.65		28	1	1	-0.6	-0.6	-27.5		0	1	3.0	1.0	1	0.3	-0.3	0.0	85.0	6.6	12.7	0.0	1	4	0.0	20	81	8
131	8.28		220	3	1	-0.5	-0.5	-26.8		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		20	5	1	0.5	0.5	-25.7		0	1	3.0	1.0	1	0.3	-0.3	0.0	85.0	6.6	12.7	0.0	1	4	0.0	20	81	8
132	7.46		29	1	1	-0.5	0.1	-5.2		0	1	3.1	4.2	1	0.0	-0.4	0.0	14.7	16.6	1.5	0.0	2	2	0.0	20	84	8
132	9.14		20	3	1	-0.2	0.1	-5.1		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.2	-0.1	-4.8		0	1	3.1	4.2	1	0.0	-0.4	0.0	14.7	16.6	1.5	0.0	2	2	0.0	20	84	8
133	5.84		29	1	1	-0.3	0.1	-5.7		0	1	3.1	4.2	1	0.0	-0.3	0.0	14.8	16.6	1.5	0.0	2	2	0.0	20	75	8
133	7.42		20	3	1	-0.2	0.1	-5.5		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.1	-0.1	-5.3		0	1	3.1	4.2	1	0.0	-0.3	0.0	14.8	16.6	1.5	0.0	2	2	0.0	20	75	8
160	6.65		30	1	1	0.5	0.2	-10.1		0	0	3.1	15.4	2	0.0	0.3	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	81	8
160	8.28		20	3	1	0.3	0.2	-9.5		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-0.2	-0.2	-8.6		0	0	3.1	15.4	2	0.0	0.3	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	81	8
161	6.65		30	1	1	1.8	-0.3	-15.9		0	1	3.1	15.4	2	0.0	0.4	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	81	8
161	8.28		20	3	1	1.6	-0.3	-15.3		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	1.3	0.3	-14.4		0	0	3.1	15.4	2	0.0	0.4	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	81	8
162	6.65		30	1	1	2.5	-0.3	-14.6		0	1	3.1	15.4	1	0.0	1.2	0.0	71.3	87.2	8.9	0.0	1	1	0.0	20	81	8
162	8.28		20	3	1	1.7	-0.3	-14.0		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.6	0.3	-13.2		0	0	3.1	15.4	1	0.0	1.2	0.0	71.3	87.2	8.9	0.0	1	1	0.0	20	81	8
165	6.65		31	1	1	1.6	-0.6	-32.3		0	1	7.6	12.7	1	-0.7	-2.5	0.0	78.0	82.9	10.9	0.0	4	3	0.0	15	46	8
165	8.28		40	3	1	3.0	-0.6	-31.8		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	4.0	-0.8	-31.5		0	1	7.6	12.7	1	-0.7	-2.5	0.0	78.0	82.9	10.9	0.0	4	3	0.0	15	46	8
166	6.65		31	1	1	1.7	0.7	-32.6		0	1	7.6	12.7	1	0.8	-2.5	0.0	78.1	82.9	10.9	0.0	4	3	0.0	15	46	8
166	8.28		40	3	1	3.1	0.6	-32.1		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	4.0	0.9	-31.8		0	1	7.6	12.7	1	0.8	-2.5	0.0	78.1	82.9	10.9	0.0	4	3	0.0	15	46	8
1	8.28		1	1	1	1.2	-0.3	-14.8		1	3	4.0	4.0	1	0.2	0.9	0.0	10.4	10.4	2.3	0.0	7	8	0.0	20	137	8
1	11.72		30	3	1	0.3	-0.3	-14.5		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-1.2	0.3	-14.2		1	3	4.0	4.0	1	0.2	0.9	0.0	10.4	10.4	2.3	0.0	7	8	0.0	20	137	8
2	8.28		1	1	1	2.1	-0.7	-19.0		3	6	4.0	4.0	1	0.6	1.5	0.0	10.4	10.4	2.3	0.0	13	15	0.0	20	137	8
2	11.72		30	3	1	0.4	-0.4	-18.8		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-2.0	0.9	-18.4		4	6	4.0	4.0	1	0.6	1.5	0.0	10.4	10.4	2.3	0.0	13	15	0.0	20	137	8
3	8.28		1	1	1	2.2	0.7	-18.4		4	6	4.0	4.0	1	-0.6	1.6	0.0	10.4	10.4	2.3	0.0	14	15	0.0	20	137	8
3	11.72		30	3	1	0.4	0.4	-18.2		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-2.2	-0.9	-17.8		4	6	4.0	4.0	1	-0.6	1.6	0.0	10.4	10.4	2.3	0.0	14	15	0.0	20	137	8
4	8.28		1	1	1	1.2	0.4	-22.4		0	3	4.0	4.0	1	0.0	0.8	0.0	22.2	22.2	1.7	0.0	4	4	0.0	20	137	8
4	11.72		30	3	1	0.4	-0.4	-22.1		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.86	0.00		30	5	1	-1.0	-0.4	-21.8		0	3	4.0	4.0	1	0.0	0.8	0.0	22.2	22.2	1.7	0.0	4	4	0.0	20	137	8
5	8.28		1	1	1	1.5	-0.4	-21.8		1	4	4.0	4.0	1	0.0	1.0	0.0	22.1	22.1	1.7	0.0	4	4	0.0	20	137	8
5	11.72		30	3	1	0.4	-0.4	-21.6		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.85	0.00		30	5	1	-1.2	-0.4	-21.2		0	3	4.0	4.0	1	0.0	1.0	0.0	22.1	22.1	1.7	0.0	4	4	0.0	20	137	8
6	8.28		1	1	1	1.3	-0.4	-22.0		0	3	4.0	4.0	1	0.0	0.8	0.0	22.2	22.2	1.9	0.0	4	4	0.0	20	137	8
6	11.72		30	3	1	0.4	-0.4	-21.8		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.85	0.00		30	5	1	-1.0	0.4	-21.4		0	3	4.0	4.0	1	0.0	0.8	0.0	22.2	22.2	1.9	0.0	4	4	0.0	20	137	8
7	8.28		1	1	1	2.3	-0.8	-18.4		5	6	4.0	4.0	1	0.6	1.7	0.0	10.4	10.4	2.3	0.0	15	16	0.0	20	137	8
7	11.72		30	3	1	0.5	-0.4	-18.2		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-2.3	0.9	-17.8		5	7	4.0	4.0	1	0.6	1.7	0.0	10.4	10.4	2.3	0.0	15	16	0.0	20	137	8
8	8.28		1	1	1	2.4	0.6	-19.1		4	6	4.0	4.0	1	-0.5	1.7	0.0	10.4	10.4	2.3	0.0	14	17	0.0	20	137	8
8	11.72		30	3	1	0.5	0.4	-18.8		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-2.3	-0.8	-18.4		4	6	4.0	4.0	1	-0.5	1.7	0.0	10.4	10.4	2.3	0.0	14	17	0.0	20	137	8
9	8.28		1	1	1	1.6	0.3	-14.9		2	4	4.0	4.0	1	-0.2	1.2	0.0	10.4	10.4	2.3	0.0	9	11	0.0	20	137	8
9	11.72		30	3	1	0.3	0.3	-14.7		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-1.6	-0.3	-14.3		2	4	4.0	4.0	1	-0.2	1.2	0.0	10.4	10.4	2.3	0.0	9	11	0.0	20	137	8
10	8.28		1	1	1	-0.4	0.4	-20.0		1	2	4.0	4.0	1	0.0	-0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
10	11.72		30	3	1	-0.4	0.4	-19.8		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.4	-0.4	-19.4		1	2	4.0	4.0	1	0.0	-0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
11	8.28		1	1	1	-0.5	-0.5	-26.6		1	3	4.0	4.0	1	0.0	-0.2	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
11	11.72		30	3	1	-0.5	-0.5	-26.3		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.5	0.5	-26.0		1	3	4.0	4.0	1	0.0	-0.2	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
12	8.28		1	1	1	-0.5	-0.5	-26.6		1	3	4.0	4.0	1	0.0	0.0	0.0	22.3	22.3	1.7	0.0	0	0	0.0	20	137	8
12	11.72		30	3	1	-0.5	-0.5	-26.4		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00		30	5	1	0.5	-0.5	-26.0		1	3	4.0	4.0	1	0.0	0.0	0.0	22.3	22.3	1.7	0.0	0	0	0.0	20	137	8
13	8.28		1	1	1	0.5	-0.5	-26.0		1	3	4.0	4.0	1	0.0	0.1	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
13	11.72		30	3	1	0.5	-0.5	-25.8		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00		30	5	1	-0.5	0.5	-25.4		1	3	4.0	4.0	1	0.0	0.1	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
14	8.28		1	1	1	0.5	-0.5	-25.6		1	3	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
14	11.72		30	3	1	-0.5	-0.5	-25.4		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.5	-0.5	-25.0		1	3	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
15	8.28		1	1	1	0.5	-0.5	-25.8		1	3	4.0	4.0	1	0.0	0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
15	11.72		30	3	1	0.5	-0.5	-25.6		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.5	0.5	-25.2		1	3	4.0	4.0	1	0.0	0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
16	8.28		1	1	1	0.5	-0.5	-26.8		1	3	4.0	4.0	1	0.0	0.1	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
16	11.72		30	3	1	0.5	-0.5	-26.5		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00		30	5	1	-0.5	-0.5	-26.1		1	3	4.0	4.0	1	0.0	0.1	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
17	8.28		1	1	1	0.5	-0.5	-26.5		1	3	4.0	4.0	1	0.0	0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
17	11.72		30	3	1	0.5	-0.5	-26.3		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.5	-0.5	-25.9		1	3	4.0	4.0	1	0.0	0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
18	8.28		1	1	1	0.4	-0.4	-19.9		1	2	4.0	4.0	1	0.0	0.2	0.0	10.4	10.4	2.3	0.0	2	2	0.0	20	137	8
18	11.72		30	3	1	0.4	-0.4	-19.7		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.4	-0.4	-19.3		1	2	4.0	4.0	1	0.0	0.2	0.0	10.4	10.4	2.3	0.0	2	2	0.0	20	137	8
19	8.28		1	1	1	-0.4	0.4	-20.0		1	2	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
19	11.72		30	3	1	-0.4	0.4	-19.8		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.4	0.4	-19.4		1	2	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
20	8.28		1	1	1	-0.5	-0.5	-25.7		1	3	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
20	11.72		30	3	1	-0.5	-0.5	-25.4		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.5	-0.5	-25.1		1	3	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
21	8.28		1	1	1	-0.6	0.6	-31.4		1	4	4.0	4.0	1	-0.4	-0.4	0.0	16.9	16.9	1.4	0.0	5	4	0.0	20	137	8
21	11.72		30	3	1	-0.6	-0.6	-31.1		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.6	-0.8	-30.8		1	4	4.0	4.0	1	-0.4	-0.4	0.0	16.9	16.9	1.4	0.0	5	4	0.0	20	137	8
22	8.28		1	1	1	-0.6	-0.6	-29.7		1	3	4.0	4.0	1	0.5	-0.5	0.0	16.9	16.9	1.4	0.0	5	5	0.0	20	137	8
22	11.72		30	3	1	-0.6	0.6	-29.4		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.6	0.8	-29.1		0	4	4.0	4.0	1	0.5	-0.5	0.0	16.9	16.9	1.4	0.0	5	5	0.0	20	137	8
23	8.28		1	1	1	0.5	-0.5	-25.4		1	3	4.0	4.0	1	0.0	0.1	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
23	11.72		30	3	1	0.5	-0.5	-25.1		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.5	-0.5	-24.8		1	3	4.0	4.0	1	0.0	0.1	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
24	8.28		1	1	1	-0.6	-1.9	-31.0		1	5	4.0	4.0	1	1.3	-0.4	0.0	10.4	10.4	2.3	0.0	10	13	0.0	20	137	8
24	11.72		30	3	1	-0.6	-0.6	-30.8		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.6	1.8	-30.4		0	5	4.0	4.0	1	1.3	-0.4	0.0	10.4	10.4	2.3	0.0	10	13	0.0	20	137	8
25	8.28		1	1	1	-0.6	1.9	-31.3		0	5	4.0	4.0	1	-1.3	-0.4	0.0	10.4	10.4	2.3	0.0	10	13	0.0	20	137	8
25	11.72		30	3	1	-0.6	0.6	-31.1		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.6	-1.8	-30.7		0	5	4.0	4.0	1	-1.3	-0.4	0.0	10.4	10.4	2.3	0.0	10	13	0.0	20	137	8
26	8.28		1	1	1	0.5	-0.5	-25.5		1	3	4.0	4.0	1	0.0	0.2	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
26	11.72		30	3	1	0.5	-0.5	-25.3		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00		30	5	1	-0.5	-0.5	-24.9		1	3	4.0	4.0	1	0.0	0.2	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
27	8.28		1	1	1	0.4	-0.4	-20.1		1	2	4.0	4.0	1	0.0	0.3	0.0	10.4	10.4	2.3	0.0	2	3	0.0	20	137	8
27	11.72		30	3	1	0.4	-0.4	-19.9		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.4	0.4	-19.5		0	2	4.0	4.0	1	0.0	0.3	0.0	10.4	10.4	2.3	0.0	2	3	0.0	20	137	8
28	8.28		1	1	1	-1.5	-0.3	-14.5		2	4	4.0	4.0	1	0.1	-1.1	0.0	10.4	10.4	2.3	0.0	8	11	0.0	20	137	8
28	11.72		30	3	1	-0.3	-0.3	-14.2		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	1.5	0.3	-13.9		2	4	4.0	4.0	1	0.1	-1.1	0.0	10.4	10.4	2.3	0.0	8	11	0.0	20	137	8
29	8.28		1	1	1	-1.2	0.5	-23.1		0	3	4.0	4.0	1	0.0	-0.8	0.0	10.4	10.4	2.3	0.0	5	8	0.0	20	137	8
29	11.72		30	3	1	-0.5	0.5	-22.9		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	1.0	-0.4	-22.5		0	3	4.0	4.0	1	0.0	-0.8	0.0	10.4	10.4	2.3	0.0	5	8	0.0	20	137	8
30	8.28		1	1	1	-1.4	0.3	-14.4		1	3	4.0	4.0	1	-0.2	-1.1	0.0	10.4	10.4	2.3	0.0	8	10	0.0	20	137	8
30	11.72		30	3	1	0.4	-0.3	-14.0		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	1.5	-0.3	-13.7		2	4	4.0	4.0	1	-0.2	-1.1	0.0	10.4	10.4	2.3	0.0	8	10	0.0	20	137	8
31	8.28		1	1	1	-1.2	-0.3	-14.1		1	3	4.0	4.0	1	0.2	-0.9	0.0	10.4	10.4	2.3	0.0	7	9	0.0	20	137	8
31	11.72		30	3	1	0.3	0.3	-13.7		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	1.3	0.3	-13.5		1	3	4.0	4.0	1	0.2	-0.9	0.0	10.4	10.4	2.3	0.0	7	9	0.0	20	137	8
32	8.28		1	1	1	-1.0	0.5	-22.7		0	3	4.0	4.0	1	0.0	-0.7	0.0	10.4	10.4	2.3	0.0	4	6	0.0	20	137	8
32	11.72		30	3	1	-0.4	0.4	-22.5		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.8	-0.4	-22.1		0	3	4.0	4.0	1	0.0	-0.7	0.0	10.4	10.4	2.3	0.0	4	6	0.0	20	137	8
33	8.28		1	1	1	-0.2	0.2	-3.4		0	1	4.0	4.0	1	-0.2	-0.1	0.0	13.9	13.9	1.4	0.0	2	2	0.0	20	86	8
33	10.00		30	3	1	-0.1	0.1	-3.3		0	0	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.1	-0.1	-3.0		0	0	4.0	4.0	1	-0.2	-0.1	0.0	13.9	13.9	1.4	0.0	2	2	0.0	20	86	8
34	8.28		1	1	1	-0.1	-0.2	-3.4		0	1	4.0	4.0	1	0.2	-0.1	0.0	13.9	13.9	1.4	0.0	2	2	0.0	20	86	8
34	10.00		30	3	1	-0.1	-0.1	-3.3		0	0	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.1	0.1	-3.0		0	0	4.0	4.0	1	0.2	-0.1	0.0	13.9	13.9	1.4	0.0	2	2	0.0	20	86	8
35	8.28		1	1	1	-0.9	-0.5	-22.9		0	3	4.0	4.0	1	0.0	-0.6	0.0	22.2	22.2	1.7	0.0	3	3	0.0	20	137	8
35	11.72		30	3	1	-0.5	-0.5	-22.7		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.86	0.00		30	5	1	0.7	0.4	-22.3		0	3	4.0	4.0	1	0.0	-0.6	0.0	22.2	22.2	1.7	0.0	3	3	0.0	20	137	8
36	8.28		1	1	1	-1.1	0.3	-14.3		1	3	4.0	4.0	1	-0.1	-0.8	0.0	10.4	10.4	2.3	0.0	6	8	0.0	20	137	8
36	11.72		30	3	1	-0.3	0.3	-14.1		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	1.1	-0.3	-13.7		1	3	4.0	4.0	1	-0.1	-0.8	0.0	10.4	10.4	2.3	0.0	6	8	0.0	20	137	8
128	8.28		28	1	1	-0.3	0.3	-15.4		0	0	3.0	1.0	1	-0.6	0.0	0.0	42.5	3.3	6.3	0.0	1	1	0.0	40	86	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Tra t	Sez Bas Alt	Con c	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
128	10.00		220	3	1	-0.3	-0.4	-14.3		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	-0.3	-0.8	-13.5		0	0	3.0	1.0	1	-0.6	0.0	0.0	42.5	3.3	6.3	0.0	1	1	0.0	40	86	8
129	9.14		29	1	1	-0.1	0.1	-4.9		0	0	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	55	8
129	10.86		20	3	1	-0.1	0.1	-4.8		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.1	-0.1	-4.6		0	0	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	55	8
130	7.42		29	1	1	0.1	0.1	-3.9		0	0	3.1	4.2	1	0.0	0.2	0.0	14.5	16.4	1.5	0.0	1	1	0.0	20	64	8
130	9.14		20	3	1	-0.1	-0.1	-3.7		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.2	-0.1	-3.6		0	0	3.1	4.2	1	0.0	0.2	0.0	14.5	16.4	1.5	0.0	1	1	0.0	20	64	8
131	8.28		28	1	1	0.4	0.5	-19.1		0	0	3.0	1.0	1	0.2	0.0	0.0	42.5	3.3	6.3	0.0	0	1	0.0	40	86	8
131	10.00		220	3	1	0.4	0.8	-18.0		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.3	1.0	-17.2		0	0	3.0	1.0	1	0.2	0.0	0.0	42.5	3.3	6.3	0.0	0	1	0.0	40	86	8
132	9.14		29	1	1	0.2	-0.2	-7.9		0	1	3.1	4.2	1	0.0	-0.3	0.0	15.1	17.0	1.5	0.0	2	2	0.0	20	55	8
132	10.86		20	3	1	0.3	0.2	-7.7		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.4	0.2	-7.6		0	1	3.1	4.2	1	0.0	-0.3	0.0	15.1	17.0	1.5	0.0	2	2	0.0	20	55	8
133	7.42		29	1	1	-0.2	-0.2	-8.0		0	1	3.1	4.2	1	0.0	-0.5	0.0	15.1	17.0	1.5	0.0	3	3	0.0	20	64	8
133	9.14		20	3	1	0.3	0.2	-7.8		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.6	0.2	-7.7		0	1	3.1	4.2	1	0.0	-0.5	0.0	15.1	17.0	1.5	0.0	3	3	0.0	20	64	8
160	8.28		30	1	1	0.3	0.3	-14.0		0	0	3.1	15.4	1	0.0	0.1	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	86	8
160	10.00		20	3	1	0.3	-0.3	-13.4		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.2	-0.2	-12.5		0	0	3.1	15.4	1	0.0	0.1	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	86	8
161	8.28		30	1	1	-1.4	-0.1	-7.2		0	0	3.1	15.4	1	0.0	0.9	0.0	70.4	86.1	8.9	0.0	1	1	0.0	20	86	8
161	10.00		20	3	1	-2.3	-0.1	-6.3		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-2.9	0.1	-5.7		0	0	3.1	15.4	1	0.0	0.9	0.0	70.4	86.1	8.9	0.0	1	1	0.0	20	86	8
162	8.28		30	1	1	-1.2	-0.1	-6.4		0	0	3.1	15.4	1	0.0	1.1	0.0	70.3	85.9	8.9	0.0	1	1	0.0	20	86	8
162	10.00		20	3	1	-2.3	-0.1	-5.5		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-3.1	0.1	-4.9		0	0	3.1	15.4	1	0.0	1.1	0.0	70.3	85.9	8.9	0.0	1	1	0.0	20	86	8
165	8.28		31	1	1	-3.6	1.5	-18.0		1	1	7.6	12.7	1	-1.4	-2.9	0.0	76.0	80.7	10.9	0.0	5	4	0.0	15	86	8
165	10.00		40	3	1	-1.6	0.6	-17.4		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	1.4	-0.8	-16.5		0	1	7.6	12.7	1	-1.4	-2.9	0.0	76.0	80.7	10.9	0.0	5	4	0.0	15	86	8
166	8.28		31	1	1	-3.1	-1.5	-18.3		0	1	7.6	12.7	1	1.4	-2.6	0.0	76.0	80.7	10.9	0.0	5	4	0.0	15	86	8
166	10.00		40	3	1	-1.3	-0.5	-17.7		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	1.3	0.9	-16.8		0	1	7.6	12.7	1	1.4	-2.6	0.0	76.0	80.7	10.9	0.0	5	4	0.0	15	86	8
167	8.28		22	1	2	-0.5	0.0	-2.9		0	1	18.5		1	0.0	-0.4	0.0	25.2	25.2	8.1	0.0	1	1	0.0	10	142	8
167	11.72		20	3	1	0.2	0.0	-2.6		0	0	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.16	0.00		5	2	2	0.6	0.0	-2.0		1	1	18.5		1	0.0	-0.4	0.0	25.2	25.2	8.1	0.0	1	1	0.0	10	142	8
168	8.28		22	1	2	-0.5	0.0	-2.7		0	1	18.5		1	0.0	-0.4	0.0	25.2	25.2	8.1	0.0	1	1	0.0	10	142	8
168	11.72		20	3	1	0.2	0.0	-2.4		0	0	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.16	0.00		5	2	2	0.6	0.0	-1.9		1	1	18.5		1	0.0	-0.4	0.0	25.2	25.2	8.1	0.0	1	1	0.0	10	142	8
33	10.00		1	1	1	-0.1	-0.1	-5.2		0	1	4.0	4.0	1	-0.2	-0.2	0.0	14.2	14.2	1.4	0.0	3	2	0.0	20	51	8
33	11.72		30	3	1	0.1	-0.1	-5.0		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.2	-0.2	-4.9		0	1	4.0	4.0	1	-0.2	-0.2	0.0	14.2	14.2	1.4	0.0	3	2	0.0	20	51	8
34	10.00		1	1	1	0.1	0.1	-5.3		0	1	4.0	4.0	1	0.2	-0.2	0.0	14.2	14.2	1.4	0.0	2	2	0.0	20	51	8
34	11.72		30	3	1	0.1	0.1	-5.2		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.2	0.2	-5.1		0	1	4.0	4.0	1	0.2	-0.2	0.0	14.2	14.2	1.4	0.0	2	2	0.0	20	51	8
128	10.00		28	1	1	0.2	0.2	-9.5		0	0	3.0	1.0	1	0.0	-0.1	0.0	42.5	3.3	6.3	0.0	0	4	0.0	40	86	8
128	11.72		220	3	1	0.2	0.2	-8.7		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.3	0.2	-7.6		0	0	3.0	1.0	1	0.0	-0.1	0.0	42.5	3.3	6.3	0.0	0	4	0.0	40	86	8
129	10.86		29	1	1	0.1	-0.1	-3.4		0	0	3.1	4.2	2	0.0	-0.1	0.0	14.5	16.3	1.5	0.0	0	0	0.0	20	86	8
129	12.58		20	3	1	0.2	0.1	-3.2		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.2	0.1	-3.0		0	0	3.1	4.2	2	0.0	-0.1	0.0	14.5	16.3	1.5	0.0	0	0	0.0	20	86	8
130	9.14		29	1	1	-0.1	-0.1	-3.8		0	0	3.1	4.2	1	0.0	-0.3	0.0	14.5	16.4	1.5	0.0	2	2	0.0	20	82	8
130	10.86		20	3	1	0.2	0.1	-3.5		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.4	0.1	-3.3		0	1	3.1	4.2	1	0.0	-0.3	0.0	14.5	16.4	1.5	0.0	2	2	0.0	20	82	8
131	10.00		28	1	1	-0.3	-0.4	-13.1		0	0	3.0	1.0	1	0.3	-0.2	0.0	42.5	3.3	6.3	0.0	1	7	0.0	40	86	8
131	11.72		220	3	1	-0.2	-0.2	-12.3		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.2	0.2	-11.2		0	0	3.0	1.0	1	0.3	-0.2	0.0	42.5	3.3	6.3	0.0	1	7	0.0	40	86	8
132	10.86		29	1	1	-0.4	0.0	-2.2		0	1	3.1	4.2	1	0.0	-0.3	0.0	14.3	16.1	1.5	0.0	2	2	0.0	20	86	8
132	12.58		20	3	1	-0.2	0.0	-2.0		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.1	0.0	-1.7		0	0	3.1	4.2	1	0.0	-0.3	0.0	14.3	16.1	1.5	0.0	2	2	0.0	20	86	8
133	9.14		29	1	1	-0.4	0.0	-2.1		0	0	3.1	4.2	1	0.0	-0.3	0.0	14.3	16.1	1.5	0.0	2	2	0.0	20	82	8
133	10.86		20	3	1	-0.2	0.0	-2.0		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	2	0.1	0.0	-1.8		0	0	3.1	4.2	1	0.0	-0.3	0.0	14.3	16.1	1.5	0.0	2	2	0.0	20	82	8
160	10.00		30	1	1	0.1	0.1	3.1		1	0	3.1	15.4	1	-0.1	-0.6	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
160	11.72		20	3	1	0.7	0.1	4.0		1	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	1.1	-0.1	4.6		2	0	3.1	15.4	1	-0.1	-0.6	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
161	10.00		30	1	1	3.4	-0.2	-9.4		0	0	3.1	15.4	1	0.0	0.2	0.0	8.3	91.8	12.0	0.0	0	0	0.0	20	86	8
161	11.72		20	3	1	3.2	-0.2	-8.8		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	3.0	0.2	-7.9		0	0	3.1	15.4	1	0.0	0.2	0.0	8.3	91.8	12.0	0.0	0	0	0.0	20	86	8
162	10.00		30	1	1	5.3	-0.1	-5.8		1	1	3.1	15.4	1	0.0	2.4	0.0	70.2	85.9	8.9	0.0	3	3	0.0	20	86	8
162	11.72		20	3	1	3.6	-0.1	-5.2		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	1.1	0.1	-4.3		0	0	3.1	15.4	1	0.0	2.4	0.0	70.2	85.9	8.9	0.0	3	3	0.0	20	86	8
165	10.00		31	1	1	2.1	-0.3	-14.4		0	1	7.6	12.7	1	-1.3	-2.8	0.0	75.5	80.2	10.9	0.0	5	4	0.0	15	51	8
165	11.72		40	3	1	3.8	-1.0	-13.9		1	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	5.0	-1.6	-13.5		2	2	7.6	12.7	1	-1.3	-2.8	0.0	75.5	80.2	10.9	0.0	5	4	0.0	15	51	8
166	10.00		31	1	1	2.0	0.3	-14.5		0	1	7.6	12.7	1	1.4	-2.5	0.0	75.6	80.2	10.9	0.0	5	4	0.0	15	51	8
166	11.72		40	3	1	3.6	1.0	-14.0		1	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	4.6	1.6	-13.6		1	2	7.6	12.7	1	1.4	-2.5	0.0	75.6	80.2	10.9	0.0	5	4	0.0	15	51	8
21	11.72		1	1	1	0.1	-1.1	-6.5		2	2	4.0	4.0	1	1.9	0.2	0.0	10.4	10.4	2.3	0.0	15	19	0.0	20	100	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
21	14.22		30	3	1	-0.2	1.2	-6.2		3	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.4	2.8	-6.0		11	7	4.0	4.0	1	1.9	0.2	0.0	10.4	10.4	2.3	0.0	15	19	0.0	20	100	8
22	11.72		1	1	1	0.1	1.1	-6.5		2	2	4.0	4.0	1	-1.9	0.3	0.0	10.4	10.4	2.3	0.0	15	19	0.0	20	100	8
22	14.22		30	3	1	-0.2	-1.2	-6.2		3	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.4	-2.8	-6.0		11	7	4.0	4.0	1	-1.9	0.3	0.0	10.4	10.4	2.3	0.0	15	19	0.0	20	100	8
24	11.72		1	1	1	-0.1	-2.6	-6.5		10	6	4.0	4.0	1	2.8	0.2	0.0	10.4	10.4	2.3	0.0	21	27	0.0	20	100	8
24	14.22		30	3	2	-0.3	0.7	-6.1		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.4	2.9	-6.0		12	7	4.0	4.0	1	2.8	0.2	0.0	10.4	10.4	2.3	0.0	21	27	0.0	20	100	8
25	11.72		1	1	1	-0.1	2.6	-6.5		10	6	4.0	4.0	1	-2.8	0.2	0.0	10.4	10.4	2.3	0.0	21	27	0.0	20	100	8
25	14.22		30	3	2	-0.3	-0.7	-6.1		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.4	-2.9	-6.0		12	7	4.0	4.0	1	-2.8	0.2	0.0	10.4	10.4	2.3	0.0	21	27	0.0	20	100	8
128	11.72		28	1	1	0.1	2.2	-5.6		0	0	3.0	1.0	2	0.1	-0.1	0.0	42.5	3.3	6.3	0.0	0	3	0.0	40	85	8
128	13.42		220	3	1	0.2	2.2	-4.5		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.2	2.3	-3.7		0	0	3.0	1.0	2	0.1	-0.1	0.0	42.5	3.3	6.3	0.0	0	3	0.0	40	85	8
129	12.58		29	1	1	0.8	0.1	-5.1		0	1	3.1	4.2	1	-0.1	-0.1	0.0	14.7	16.6	1.5	0.0	1	1	0.0	20	22	8
129	13.42		20	3	1	0.8	0.1	-5.0		1	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.8	0.1	-5.0		1	1	3.1	4.2	1	-0.1	-0.1	0.0	14.7	16.6	1.5	0.0	1	1	0.0	20	22	8
130	10.86		29	1	1	-0.1	-0.1	-3.3		0	0	3.1	4.2	1	0.0	-0.3	0.0	14.4	16.3	1.5	0.0	2	1	0.0	20	108	8
130	13.42		20	3	1	0.2	0.1	-3.0		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.5	0.1	-2.7		0	1	3.1	4.2	1	0.0	-0.3	0.0	14.4	16.3	1.5	0.0	2	1	0.0	20	108	8
131	11.72		28	1	1	0.1	2.3	-5.4		0	0	3.0	1.0	2	0.0	-0.1	0.0	42.5	3.3	6.3	0.0	0	2	0.0	40	85	8
131	13.42		220	3	1	0.2	2.3	-4.2		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.2	2.3	-3.5		0	0	3.0	1.0	2	0.0	-0.1	0.0	42.5	3.3	6.3	0.0	0	2	0.0	40	85	8
132	12.58		29	1	1	0.8	0.1	-5.2		1	1	3.1	4.2	1	0.0	-0.1	0.0	14.7	16.6	1.5	0.0	1	1	0.0	20	22	8
132	13.42		20	3	1	0.9	0.1	-5.2		1	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.9	0.1	-5.1		1	1	3.1	4.2	1	0.0	-0.1	0.0	14.7	16.6	1.5	0.0	1	1	0.0	20	22	8
133	10.86		29	1	1	-0.1	-0.1	-3.4		0	0	3.1	4.2	1	0.0	-0.2	0.0	14.4	16.3	1.5	0.0	1	1	0.0	20	108	8
133	13.42		20	3	1	0.2	0.1	-3.0		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.4	0.1	-2.8		0	1	3.1	4.2	1	0.0	-0.2	0.0	14.4	16.3	1.5	0.0	1	1	0.0	20	108	8

STAMPA PROGETTO S.L.U. - STABILITA' ELEMENTI SNELLI IN C.A.

Asta 3d	Filo Iniz	Quota Iniz.	Filo Fina	Quota Final	Lambda Elemen	Lambda Minimo	Sf.Nor. (t)	Ecc.EX (mm)	Ecc.AX (mm)	Ecc.2X (mm)	Ecc.EY (mm)	Ecc.AY (mm)	Ecc.2Y (mm)
140	11	4.84	11	1.40	32	31	-108.64	8	7	0	20	7	1
141	12	4.84	12	1.40	32	31	-108.82	8	7	0	20	7	1
142	13	4.84	13	1.40	32	31	-107.21	8	7	0	20	7	1
143	14	4.84	14	1.40	32	31	-105.06	8	7	0	20	7	1
144	15	4.84	15	1.40	32	31	-105.73	8	7	0	20	7	1
146	17	4.84	17	1.40	32	31	-107.85	8	7	0	20	7	1
149	20	4.84	20	1.40	32	31	-107.18	20	7	0	20	7	1
150	21	4.84	21	1.40	32	31	-104.22	8	7	0	8	7	1
152	23	4.84	23	1.40	32	31	-105.85	8	7	0	20	7	1
153	24	4.84	24	1.40	32	31	-105.28	8	7	0	9	7	1
154	25	4.84	25	1.40	32	31	-107.05	8	7	0	9	7	1
155	26	4.84	26	1.40	32	31	-106.72	8	7	0	8	7	1

STAMPA PROGETTO S.L.U. - ACCIAIO + VERIFICA S.L.E.

VERIFICHE ASTE IN ACCIAIO 3D

DATI DI ASTA	Fili N.ro	Quota (m)	Tratto	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	N Rd kg	MxV.Rd kg*m	MyV.Rd kg*m	VxplRd Kg	VyplRd Kg	T Rd kg*m	fy rid Kg/cmq	Rap %
Sez.N. 1083	115	4.60		1	-16921	31	-70	-31	-16	-1	172040	11238	11238	63237	63237	9934	2619	10
TUBO219.1x	qn=	0		1	-17003	4	-21	-31	-16	-1	172040	11236	11236	63237	63237	9934	2619	10
Asta: 175	115	1.40		1	-17086	-22	28	-31	-16	-1	172040	11234	11234	63237	63237	9934	2619	10
Instab.:l=	320.0	β*l=		320.0	-17086	12	31	cl= 1	ε= 0.92	lmd= 43	Rpf= 11	Rft= 0	Wmax/rel/lim=		0.0	0.0	12.8	mm
Sez.N. 1083	122	4.60		1	-18620	33	-99	-46	-18	-1	172040	11198	11198	63237	63237	9934	2619	11
TUBO219.1x	qn=	0		1	-18702	5	-26	-46	-18	-1	172040	11196	11196	63237	63237	9934	2619	11
Asta: 176	122	1.40		1	-18785	-24	46	-46	-18	-1	172040	11194	11194	63237	63237	9934	2619	11
Instab.:l=	320.0	β*l=		320.0	-18785	13	41	cl= 1	ε= 0.92	lmd= 43	Rpf= 12	Rft= 0	Wmax/rel/lim=		0.0	0.0	12.8	mm
Sez.N. 1083	123	4.60		1	-17873	7	-57	-25	-5	-1	172040	11216	11216	63237	63237	9934	2619	10
TUBO219.1x	qn=	0		1	-17956	-2	-17	-25	-5	-1	172040	11214	11214	63237	63237	9934	2619	10
Asta: 177	123	1.40		1	-18038	-10	23	-25	-5	-1	172040	11212	11212	63237	63237	9934	2619	10
Instab.:l=	320.0	β*l=		320.0	-18038	4	25	cl= 1	ε= 0.92	lmd= 43	Rpf= 12	Rft= 0	Wmax/rel/lim=		0.0	0.0	12.8	mm
Sez.N. 1083	126	4.60		1	-16459	-9	-31	-12	2	-1	172040	11248	11248	63237	63237	9934	2619	10
TUBO219.1x	qn=	0		1	-16541	-6	-12	-12	2	-1	172040	11246	11246	63237	63237	9934	2619	10
Asta: 178	126	1.40		1	-16624	-3	6	-12	2	-1	172040	11244	11244	63237	63237	9934	2619	10
Instab.:l=	320.0	β*l=		320.0	-16624	6	16	cl= 1	ε= 0.92	lmd= 43	Rpf= 11	Rft= 0	Wmax/rel/lim=		0.0	0.0	12.8	mm
Sez.N. 1083	127	4.60		1	-14982	-107	-30	-14	48	-1	172040	11279	11279	63237	63237	9934	2619	9
TUBO219.1x	qn=	0		1	-15065	-30	-8	-14	48	-1	172040	11277	11277	63237	63237	9934	2619	9
Asta: 179	127	1.40		1	-15147	46	14	-14	48	-1	172040	11276	11276	63237	63237	9934	2619	9
Instab.:l=	320.0	β*l=		320.0	-15147	45	13	cl= 1	ε= 0.92	lmd= 43	Rpf= 10	Rft= 0	Wmax/rel/lim=		0.0	0.1	12.8	mm
Sez.N. 1083	141	4.60		1	-17870	-38	77	38	27	-1	172040	11216	11216	63237	63237	9934	2619	10
TUBO219.1x	qn=	0		1	-17952	5	17	38	27	-1	172040	11214	11214	63237	63237	9934	2619	10
Asta: 184	141	1.40		1	-18035	48	-44	38	27	-1	172040	11212	11212	63237	63237	9934	2619	10
Instab.:l=	320.0	β*l=		320.0	-18035	19	31	cl= 1	ε= 0.92	lmd= 43	Rpf= 12	Rft= 0	Wmax/rel/lim=		0.1	0.0	12.8	mm
Sez.N. 1083	143	4.60		1	-18555	-64	122	59	39	-1	172040	11200	11200	63237	63237	9934	2619	11
TUBO219.1x	qn=	0		1	-18637	-2	27	59	39	-1	172040	11198	11198	63237	63237	9934	2619	11
Asta: 185	143	1.40		1	-18720	61	-68	59	39	-1	172040	11196	11196	63237	63237	9934	2619	11
Instab.:l=	320.0	β*l=		320.0	-18720	26	49	cl= 1	ε= 0.92	lmd= 43	Rpf= 12	Rft= 0	Wmax/rel/lim=		0.1	0.1	12.8	mm

STAMPA PROGETTO S.L.U. - ACCIAIO + VERIFICA S.L.E.

VERIFICHE ASTE IN ACCIAIO 3D

DATI DI ASTA	Fili N.ro	Quota (m)	Tratto	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	N Rd kg	MxV.Rd kg*m	MyV.Rd kg*m	VxplRd Kg	VyplRd Kg	T Rd kg*m	fy rid Kg/cmq	Rap %
Sez.N. 1083	145	4.60		1	-14962	76	51	27	-27	-1	172040	11280	11280	63237	63237	9934	2619	9
TUBO219.1x	qn=	0		1	-15045	34	8	27	-27	-1	172040	11278	11278	63237	63237	9934	2619	9
Asta: 186	145	1.40		1	-15127	-9	-35	27	-27	-1	172040	11276	11276	63237	63237	9934	2619	9
Instab.:l=	320.0	β*l=		320.0	-15127	42	20	cl= 1	ε= 0.92	lmd= 43	Rpf= 10	Rft= 0	Wmax/rel/lim=		0.1	0.1	12.8	mm
Sez.N. 1083	147	4.60		1	-16866	-61	93	44	38	-1	172040	11239	11239	63237	63237	9934	2619	10
TUBO219.1x	qn=	0		1	-16949	-1	22	44	38	-1	172040	11237	11237	63237	63237	9934	2619	10
Asta: 187	147	1.40		1	-17031	59	-50	44	38	-1	172040	11235	11235	63237	63237	9934	2619	10
Instab.:l=	320.0	β*l=		320.0	-17031	25	37	cl= 1	ε= 0.92	lmd= 43	Rpf= 11	Rft= 0	Wmax/rel/lim=		0.1	0.0	12.8	mm
Sez.N. 1083	149	4.60		1	-16459	-21	51	24	19	-1	172040	11248	11248	63237	63237	9934	2619	10
TUBO219.1x	qn=	0		1	-16541	9	12	24	19	-1	172040	11246	11246	63237	63237	9934	2619	10
Asta: 188	149	1.40		1	-16624	39	-27	24	19	-1	172040	11244	11244	63237	63237	9934	2619	10
Instab.:l=	320.0	β*l=		320.0	-16624	16	20	cl= 1	ε= 0.92	lmd= 43	Rpf= 11	Rft= 0	Wmax/rel/lim=		0.1	0.0	12.8	mm
Sez.N. 115	122	4.60		1	-28087	-1519	68	747	3199	1	265089	28713	13479	123979	48579	1174	2238	11
HEB260	qn=	-80		1	-28076	-775	-107	747	3180	1	265089	28713	13479	123979	48579	1174	2238	11
Asta: 231	152	4.84		1	-28065	-35	-281	747	3162	1	265089	28713	13479	123979	48579	1174	2238	11
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	126	4.60		1	-21649	-1865	-20	-497	3983	-1	265089	28713	13479	123979	48579	1174	2238	8
HEB260	qn=	-80		1	-21638	-938	96	-497	3965	-1	265089	28713	13479	123979	48579	1174	2238	8
Asta: 294	151	4.84		1	-21627	-16	212	-497	3946	-1	265089	28713	13479	123979	48579	1174	2238	8
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	113	4.84		1	-9221	234	3	1	-758	0	265089	28713	13479	123979	48579	1174	2238	3
HEB260	qn=	-93		1	-9232	-735	2	1	-868	0	265089	28713	13479	123979	48579	1174	2238	3
Asta: 310	126	4.60		1	-9243	-1834	2	1	-978	0	265089	28713	13479	123979	48579	1174	2238	6
Instab.:l=	238.2	β*l=		166.7	-9243	1376	3	cl= 1	ε= 1.00	lmd= 25	Rpf= 8	Rft= 8	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	10	4.84		1	-3654	844	1	2	-916	0	265089	28713	13479	123979	48579	1174	2238	3
HEB260	qn=	-92		1	-3665	-211	-1	2	-1017	0	265089	28713	13479	123979	48579	1174	2238	1
Asta: 311	115	4.60		1	-3677	-1432	-3	2	-1122	0	265089	28713	13479	123979	48579	1174	2238	5
Instab.:l=	223.3	β*l=		156.3	-3677	1074	2	cl= 1	ε= 1.00	lmd= 23	Rpf= 5	Rft= 5	Wmax/rel/lim=		0.6	0.1	8.9	mm
Sez.N. 115	112	4.84		1	-9092	68	0	0	-678	0	265089	28713	13479	123979	48579	1174	2238	3
HEB260	qn=	-93		1	-9103	-805	0	0	-788	0	265089	28713	13479	123979	48579	1174	2238	3
Asta: 312	123	4.60		1	-9115	-1809	1	0	-898	0	265089	28713	13479	123979	48579	1174	2238	6
Instab.:l=	238.2	β*l=		166.7	-9115	1357	1	cl= 1	ε= 1.00	lmd= 25	Rpf= 8	Rft= 8	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	19	4.84		1	-3205	774	1	2	-879	0	265089	28713	13479	123979	48579	1174	2238	3
HEB260	qn=	-92		1	-3215	-241	-1	2	-980	0	265089	28713	13479	123979	48579	1174	2238	1
Asta: 313	122	4.60		1	-3227	-1419	-3	2	-1085	0	265089	28713	13479	123979	48579	1174	2238	5
Instab.:l=	223.3	β*l=		156.3	-3227	1064	2	cl= 1	ε= 1.00	lmd= 23	Rpf= 5	Rft= 5	Wmax/rel/lim=		0.6	0.1	8.9	mm
Sez.N. 115	114	4.84		1	-9412	260	3	-5	-758	1	265089	28713	13479	123979	48579	1174	2238	4
HEB260	qn=	-93		1	-9423	-709	10	-5	-868	1	265089	28713	13479	123979	48579	1174	2238	4
Asta: 314	127	4.60		1	-9434	-1808	16	-5	-978	1	265089	28713	13479	123979	48579	1174	2238	6
Instab.:l=	238.2	β*l=		166.7	-9434	1356	11	cl= 1	ε= 1.00	lmd= 25	Rpf= 8	Rft= 8	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	155	4.84		1	-24560	-33	-9	133	-3943	-1	265089	28713	13479	123979	48579	1174	2238	9
HEB260	qn=	-80		1	-24571	-955	-40	133	-3961	-1	265089	28713	13479	123979	48579	1174	2238	9
Asta: 315	141	4.60		1	-24583	-1881	-71	133	-3980	-1	265089	28713	13479	123979	48579	1174	2238	9
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	156	4.84		1	-28144	-33	300	914	-3116	1	265089	28713	13479	123979	48579	1174	2238	11
HEB260	qn=	-80		1	-28155	-762	87	914	-3135	1	265089	28713	13479	123979	48579	1174	2238	11
Asta: 316	143	4.60		1	-28166	-1496	-126	914	-3154	1	265089	28713	13479	123979	48579	1174	2238	11
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	157	4.84		1	-18695	4	-1346	-3243	-3951	-8	265089	28713	13479	123979	48579	1174	2238	10
HEB260	qn=	-80		1	-18706	-919	-590	-3243	-3969	-8	265089	28713	13479	123979	48579	1174	2238	8
Asta: 317	145	4.60		1	-18717	-1847	167	-3243	-3988	-8	265089	28713	13479	123979	48579	1174	2238	8
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.3	0.0	1.9	mm
Sez.N. 115	158	4.84		1	-24710	-32	270	838	-3097	1	265089	28713	13479	123979	48579	1174	2238	9
HEB260	qn=	-80		1	-24721	-757	75	838	-3116	1	265089	28713	13479	123979	48579	1174	2238	9
Asta: 318	147	4.60		1	-24732	-1486	-121	838	-3134	1	265089	28713	13479	123979	48579	1174	2238	9
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	159	4.84		1	-21544	-14	-198	-345	-3992	-2	265089	28713	13479	123979	48579	1174	2238	8
HEB260	qn=	-80		1	-21555	-947	-118	-345	-4011	-2	265089	28713	13479	123979	48579	1174	2238	8
Asta: 319	149	4.60		1	-21566	-1885	-38	-345	-4029	-2	265089	28713	13479	123979	48579	1174	2238	8
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	115	4.60		1	-24674	-1502	62	670	3166	1	265089	28713	13479	123979	48579	1174	2238	9
HEB260	qn=	-80		1	-24663	-766	-94	670	3147	1	265089	28713	13479	123979	48579	1174	2238	9
Asta: 336	150	4.84		1	-24652	-34	-250	670	3129	1	265089	28713	13479	123979	48579	1174	2238	9
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	141	4.60		1	-9122	-1804	-3	-1	895	0	265089	28713	13479	123979	48579	1174	2238	6
HEB260	qn=	-93		1	-9111	-804	-1	-1	785	0	265089	28713	13479	123979	48579	1174	2238	3
Asta: 337	140	4.84		1	-9100	66	0	-1	675	0	265089	28713	13479	123979	48579	1174	2238	3
Instab.:l=	238.2	β*l=		166.7	-9122	1353	2	cl= 1	ε= 1.00	lmd= 25	Rpf= 8	Rft= 8	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	123	4.60		1	-24647	-1866	13	-33	3943	0	265089	28713	13479	123979	48579	1174	2238	9
HEB260	qn=	-80		1	-24636	-948	20	-33	3924	0	265089	28713	13479	123979	48579	1174	2238	9
Asta: 349	153	4.84		1	-24624	-35	28	-33	3906	0	265089	28713	13479	123979	48579	1174	2238	9
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	147	4.60		1	-3688	-1393	-1	-2	1064	0	265089	28713	13479	123979	48579	1174	2238	5
HEB260	qn=	-92		1	-3677	-287	1	-2	963	0	265089	28713	13479	123979	48579	1174	2238	1
Asta: 351	27	4.84		1	-3665	752	3	-2	858	0	265089	28713	13479	123979	48579	1174	2238	3
Instab.:l=	223.3	β*l=		156.3	-3688	1045	2	cl= 1	ε= 1.00	lmd= 23	Rpf= 5	Rft= 5	Wmax/rel/lim=		0.6	0.1	8.9	mm
Sez.N. 115	149	4.60		1	-9282	-1834	-4	0	978	0	265089	28713	13479	123979	48579	1174	2238	6
HEB260	qn=	-93		1	-9271	-735	-3	0	868	0	265089	28713	13479	123979	48579	1174	2238	3
Asta: 352	148	4.84		1	-9260	232	-3	0	757	0	265089	28713	13479	123979	48579	1174	2238	3
Instab.:l=	238.2	β*l=		166.7	-9282	1376	3	cl= 1	ε= 1.00	lmd= 25	Rpf= 8	Rft= 8	Wmax/rel/lim=		1.1	0.2	9.5	mm

STAMPA PROGETTO S.L.U. - ACCIAIO + VERIFICA S.L.E.

VERIFICHE ASTE IN ACCIAIO 3D

DATI DI ASTA	Fili N.ro	Quota (m)	Tratto	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	N Rd kg	MxV.Rd kg*m	MyV.Rd kg*m	VxplRd Kg	VyplRd Kg	T Rd kg*m	fy rid Kg/cmq	Rap %
Sez.N. 115	143	4.60		1	-3201	-1374	-1	-2	1021	0	265089	28713	13479	123979	48579	1174	2238	5
HEB260	qn=	-92		1	-3190	-314	1	-2	920	0	265089	28713	13479	123979	48579	1174	2238	1
Asta: 356	18	4.84		1	-3179	676	3	-2	815	0	265089	28713	13479	123979	48579	1174	2238	2
Instab.:l=	223.3	β*l=		156.3	-3201	1030	2	cl= 1 ε=	1.00	lmd= 23	Rpf= 5	Rft= 5		Wmax/rel/lim=	0.6	0.1	8.9	mm
Sez.N. 115	145	4.60		1	-9388	-1797	-18	-6	972	1	265089	28713	13479	123979	48579	1174	2238	6
HEB260	qn=	-93		1	-9377	-704	-11	-6	862	1	265089	28713	13479	123979	48579	1174	2238	4
Asta: 362	144	4.84		1	-9366	257	-3	-6	752	1	265089	28713	13479	123979	48579	1174	2238	4
Instab.:l=	238.2	β*l=		166.7	-9388	1347	12	cl= 1 ε=	1.00	lmd= 25	Rpf= 8	Rft= 8		Wmax/rel/lim=	1.1	0.1	9.5	mm
Sez.N. 115	127	4.60		1	-18772	-1839	-224	-3394	3965	-7	265089	28713	13479	123979	48579	1174	2238	8
HEB260	qn=	-80		1	-18761	-916	567	-3394	3946	-7	265089	28713	13479	123979	48579	1174	2238	7
Asta: 377	154	4.84		1	-18750	2	1359	-3394	3928	-7	265089	28713	13479	123979	48579	1174	2238	10
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1 ε=	1.00	lmd= 0	Rpf= 0	Rft= 0		Wmax/rel/lim=	0.3	0.0	1.9	mm
Sez.N. 61	150	8.28		1	-9426	25	-6	-3	-15	0	47528	1699	921	22272	9764	96	2238	20
HEA100	qn=	0		1	-9454	1	-1	-3	-15	0	47528	1698	921	22272	9764	96	2238	20
Asta: 420	150	4.84		1	-9483	-25	4	-3	-15	0	47528	1696	921	22272	9764	96	2238	20
Instab.:l=	344.0	β*l=		344.0	-9483	10	2	cl= 1 ε=	1.00	lmd= 137	Rpf= 62	Rft= 62		Wmax/rel/lim=	0.1	0.1	13.8	mm
Sez.N. 61	151	8.28		1	-9023	18	8	4	-11	0	47528	1717	921	22272	9764	96	2238	19
HEA100	qn=	0		1	-9051	-1	1	4	-11	0	47528	1716	921	22272	9764	96	2238	19
Asta: 421	151	4.84		1	-9080	-20	-6	4	-11	0	47528	1714	921	22272	9764	96	2238	19
Instab.:l=	344.0	β*l=		344.0	-9080	8	3	cl= 1 ε=	1.00	lmd= 137	Rpf= 59	Rft= 59		Wmax/rel/lim=	0.2	0.1	13.8	mm
Sez.N. 61	152	8.28		1	-10728	29	-11	-5	-17	0	47528	1641	921	22272	9764	96	2238	23
HEA100	qn=	0		1	-10757	1	-2	-5	-17	0	47528	1640	921	22272	9764	96	2238	23
Asta: 422	152	4.84		1	-10786	-28	7	-5	-17	0	47528	1638	921	22272	9764	96	2238	23
Instab.:l=	344.0	β*l=		344.0	-10786	11	4	cl= 1 ε=	1.00	lmd= 137	Rpf= 71	Rft= 71		Wmax/rel/lim=	0.1	0.1	13.8	mm
Sez.N. 61	153	8.28		1	-9853	26	4	2	-15	0	47528	1680	921	22272	9764	96	2238	21
HEA100	qn=	0		1	-9881	1	1	2	-15	0	47528	1679	921	22272	9764	96	2238	21
Asta: 423	153	4.84		1	-9910	-26	-3	2	-15	0	47528	1677	921	22272	9764	96	2238	21
Instab.:l=	344.0	β*l=		344.0	-9910	11	2	cl= 1 ε=	1.00	lmd= 137	Rpf= 65	Rft= 65		Wmax/rel/lim=	0.1	0.1	13.8	mm
Sez.N. 61	154	8.28		1	-7968	7	48	24	-6	0	47528	1764	921	22272	9764	96	2238	17
HEA100	qn=	0		1	-7996	-4	8	24	-6	0	47528	1763	921	22272	9764	96	2238	17
Asta: 424	154	4.84		1	-8025	-14	-33	24	-6	0	47528	1761	921	22272	9764	96	2238	17
Instab.:l=	344.0	β*l=		344.0	-8025	6	19	cl= 1 ε=	1.00	lmd= 137	Rpf= 55	Rft= 55		Wmax/rel/lim=	0.6	0.5	13.8	mm
Sez.N. 61	155	8.28		1	-9852	-26	-6	-3	16	0	47528	1680	921	22272	9764	96	2238	21
HEA100	qn=	0		1	-9881	0	-1	-3	16	0	47528	1679	921	22272	9764	96	2238	21
Asta: 425	155	4.84		1	-9910	28	5	-3	16	0	47528	1677	921	22272	9764	96	2238	21
Instab.:l=	344.0	β*l=		344.0	-9910	11	2	cl= 1 ε=	1.00	lmd= 137	Rpf= 65	Rft= 65		Wmax/rel/lim=	0.3	0.1	13.8	mm
Sez.N. 61	156	8.28		1	-10730	-29	9	4	17	0	47528	1641	921	22272	9764	96	2238	23
HEA100	qn=	0		1	-10758	0	2	4	17	0	47528	1640	921	22272	9764	96	2238	23
Asta: 426	156	4.84		1	-10787	30	-5	4	17	0	47528	1638	921	22272	9764	96	2238	23
Instab.:l=	344.0	β*l=		344.0	-10787	12	4	cl= 1 ε=	1.00	lmd= 137	Rpf= 71	Rft= 71		Wmax/rel/lim=	0.3	0.1	13.8	mm
Sez.N. 61	157	8.28		1	-7963	-7	-50	-25	7	0	47528	1764	921	22272	9764	96	2238	17
HEA100	qn=	0		1	-7992	4	-8	-25	7	0	47528	1763	921	22272	9764	96	2238	17
Asta: 427	157	4.84		1	-8021	16	35	-25	7	0	47528	1762	921	22272	9764	96	2238	17
Instab.:l=	344.0	β*l=		344.0	-8021	7	20	cl= 1 ε=	1.00	lmd= 137	Rpf= 55	Rft= 55		Wmax/rel/lim=	0.7	0.5	13.8	mm
Sez.N. 61	158	8.28		1	-9429	-26	4	2	15	0	47528	1699	921	22272	9764	96	2238	20
HEA100	qn=	0		1	-9458	0	1	2	15	0	47528	1697	921	22272	9764	96	2238	20
Asta: 428	158	4.84		1	-9487	26	-2	2	15	0	47528	1696	921	22272	9764	96	2238	20
Instab.:l=	344.0	β*l=		344.0	-9487	11	2	cl= 1 ε=	1.00	lmd= 137	Rpf= 62	Rft= 62		Wmax/rel/lim=	0.3	0.1	13.8	mm
Sez.N. 61	159	8.28		1	-9016	-18	-10	-5	12	0	47528	1717	921	22272	9764	96	2238	19
HEA100	qn=	0		1	-9044	1	-1	-5	12	0	47528	1716	921	22272	9764	96	2238	19
Asta: 429	159	4.84		1	-9073	22	8	-5	12	0	47528	1715	921	22272	9764	96	2238	19
Instab.:l=	344.0	β*l=		344.0	-9073	9	4	cl= 1 ε=	1.00	lmd= 137	Rpf= 59	Rft= 59		Wmax/rel/lim=	0.4	0.1	13.8	mm
Sez.N. 61	150	11.72		1	-3693	36	-6	-4	-19	0	47528	1858	921	22272	9764	96	2238	8
HEA100	qn=	0		1	-3722	3	0	-4	-19	0	47528	1858	921	22272	9764	96	2238	8
Asta: 622	150	8.28		1	-3751	-31	7	-4	-19	0	47528	1858	921	22272	9764	96	2238	8
Instab.:l=	344.0	β*l=		344.0	-3751	15	3	cl= 1 ε=	1.00	lmd= 137	Rpf= 25	Rft= 25		Wmax/rel/lim=	0.3	0.1	13.8	mm
Sez.N. 61	151	11.72		1	-3700	23	14	8	-12	0	47528	1858	921	22272	9764	96	2238	8
HEA100	qn=	0		1	-3728	2	1	8	-12	0	47528	1858	921	22272	9764	96	2238	8
Asta: 623	151	8.28		1	-3757	-19	-13	8	-12	0	47528	1858	921	22272	9764	96	2238	8
Instab.:l=	344.0	β*l=		344.0	-3757	9	6	cl= 1 ε=	1.00	lmd= 137	Rpf= 25	Rft= 25		Wmax/rel/lim=	0.4	0.2	13.8	mm
Sez.N. 61	152	11.72		1	-4224	40	-10	-6	-22	0	47528	1858	921	22272	9764	96	2238	9
HEA100	qn=	0		1	-4252	3	1	-6	-22	0	47528	1858	921	22272	9764	96	2238	9
Asta: 624	152	8.28		1	-4281	-34	12	-6	-22	0	47528	1858	921	22272	9764	96	2238	9
Instab.:l=	344.0	β*l=		344.0	-4281	16	5	cl= 1 ε=	1.00	lmd= 137	Rpf= 29	Rft= 29		Wmax/rel/lim=	0.3	0.2	13.8	mm
Sez.N. 61	153	11.72		1	-3934	39	5	3	-21	0	47528	1858	921	22272	9764	96	2238	8
HEA100	qn=	0		1	-3962	4	0	3	-21	0	47528	1858	921	22272	9764	96	2238	8
Asta: 625	153	8.28		1	-3991	-32	-6	3	-21	0	47528	1858	921	22272	9764	96	2238	8
Instab.:l=	344.0	β*l=		344.0	-3991	16	2	cl= 1 ε=	1.00	lmd= 137	Rpf= 27	Rft= 27		Wmax/rel/lim=	0.3	0.2	13.8	mm
Sez.N. 61	154	11.72		1	-3268	2	50	31	-1	0	47528	1858	921	22272	9764	96	2238	7
HEA100	qn=	0		1	-3296	1	-3	31	-1	0	47528	1858	921	22272	9764	96	2238	7
Asta: 626	154	8.28		1	-3325	-1	-57	31	-1	0	47528	1858	921	22272	9764	96	2238	7
Instab.:l=	344.0	β*l=		344.0	-3325	1	23	cl= 1 ε=	1.00	lmd= 137	Rpf= 24	Rft= 24		Wmax/rel/lim=	0.5	0.4	13.8	mm
Sez.N. 61	155	11.72		1	-3933	-39	-8	-5	21	0	47528	1858	921	22272	9764	96	2238	8
HEA100	qn=	0		1	-3962	-4	0	-5	21	0	47528	1858	921	22272	9764	96	2238	8
Asta: 627	155	8.28		1	-3991	32	8	-5	21	0	47528	1858	921	22272	9764	96	2238	8
Instab.:l=	344.0	β*l=		344.0	-3991	16	3	cl= 1 ε=	1.00	lmd= 137	Rpf= 27	Rft= 27		Wmax/rel/lim=	0.7	0.2	13.8	mm
Sez.N. 61	156	11.72		1	-4225	-40	7	5	22	0	47528	1858	921	22272	9764	96	2238	9
HEA100	qn=	0		1	-4253	-3	-1	5	22	0	47528	1858	921	22272	9764	96	2238	9
Asta: 628	156	8.28		1	-4282	34	-10	5	22	0	47528	1858	921	22272	9764	96	2238	9
Instab.:l=	344.0	β*l=		344.0	-4282	16	4	cl= 1 ε=	1.00	lmd= 137	Rpf= 29	Rft= 29		Wmax/rel/lim=	0.6	0.1	13.8	mm
Sez.N. 61	157	11.72		1	-3265	-4	-53	-33	2	0	47528	1858	921	22272	9764	96	2238	7

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1.5 - OUTPUT

STAMPA PROGETTO S.L.U. - ACCIAIO + VERIFICA S.L.E.

VERIFICHE ASTE IN ACCIAIO 3D

DATI DI ASTA	Fili N.ro	Quota (m)	Tratto	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	N Rd kg	MxV.Rd kg*m	MyV.Rd kg*m	VxplRd Kg	VyplRd Kg	T Rd kg*m	fy rid Kg/cmq	Rap %
HEA100	qn=	0		1	-3293	-1	3	-33	2	0	47528	1858	921	22272	9764	96	2238	7
Asta: 629	157	8.28		1	-3322	2	60	-33	2	0	47528	1858	921	22272	9764	96	2238	7
Instab.:l=	344.0	β*l=		344.0	-3322	1	24	cl= 1	ε= 1.00	lmd= 137	Rpf= 24	Rft= 24	Wmax/rel/lim=		0.8	0.4	13.8	mm
Sez.N. 61	158	11.72		1	-3695	-36	4	3	19	0	47528	1858	921	22272	9764	96	2238	8
HEA100	qn=	0		1	-3723	-3	0	3	19	0	47528	1858	921	22272	9764	96	2238	8
Asta: 630	158	8.28		1	-3752	31	-4	3	19	0	47528	1858	921	22272	9764	96	2238	8
Instab.:l=	344.0	β*l=		344.0	-3752	15	2	cl= 1	ε= 1.00	lmd= 137	Rpf= 25	Rft= 25	Wmax/rel/lim=		0.6	0.1	13.8	mm
Sez.N. 61	159	11.72		1	-3697	-23	-17	-9	12	0	47528	1858	921	22272	9764	96	2238	8
HEA100	qn=	0		1	-3725	-2	-1	-9	12	0	47528	1858	921	22272	9764	96	2238	8
Asta: 631	159	8.28		1	-3754	19	15	-9	12	0	47528	1858	921	22272	9764	96	2238	8
Instab.:l=	344.0	β*l=		344.0	-3754	9	7	cl= 1	ε= 1.00	lmd= 137	Rpf= 25	Rft= 25	Wmax/rel/lim=		0.7	0.2	13.8	mm

SPECIFICHE CAMPI TABELLA DI STAMPA

Si riporta appresso la spiegazione delle sigle usate nelle tabelle di verifica aste in calcestruzzo per gli stati limite ultimi.

Filo Iniz./Fin. : *Sulla prima riga numero del filo del nodo iniziale, sulla seconda quello del nodo finale*

Cotg Θ : *Cotangente Angolo del puntone compresso*

Quota : *Sulla prima riga quota del nodo iniziale, sulla seconda quota del nodo finale*

SgmT : *Solo per le travi di fondazione:*
Pressione di contatto sul terreno in Kg/cmq calcolata con i valori caratteristici delle azioni assumendo i coefficienti gamma pari ad uno.

AmpC : *Solo per le travi di elevazione:*
Coefficiente di amplificazione dei carichi statici per tenere in conto della verifica locale dell'asta a sisma verticale.

N/Nc : *Solo per i pilastri:*
Percentuale della resistenza massima a compressione della sezione di solo calcestruzzo.

Tratto : *Se una trave è suddivisa in più tratti sulla prima riga è riportato il numero del tratto, sulla terza il numero di suddivisioni della trave*

Sez B/H : *Sulla prima riga numero della sezione nell'archivio, sulla seconda base della sezione, sulla terza altezza. Per sezioni a T è riportato l'ingombro massimo della sezione*

Concio : *Numero del concio*

Co Nr : *Numero della combinazione e in sequenza sollecitazioni ultime di calcolo che forniscono la massima deformazione nell'acciaio e nel calcestruzzo per la verifica a flessione*

GamRd : *Solo per le travi di fondazione: Coefficiente di sovraresistenza.*

M Exd : *Momento ultimo di calcolo asse vettore X (per le travi incrementato dalla traslazione del diagramma del momento flettente)*

M Eyd : *Momento ultimo di calcolo asse vettore Y*

N Ed : *Sforzo normale ultimo di calcolo*

x / d : *Rapporto fra la posizione dell'asse neutro e l'altezza utile della sezione moltiplicato per 100*

e_f% e_c% (*100) : *deformazioni massime nell'acciaio e nel calcestruzzo moltiplicate per 10.000. Valore limite per l'acciaio 100 (1%), valore limite nel calcestruzzo 35 (0,35%)*

Area : *Area del ferro in centimetri quadri; per le travi rispettivamente superiore ed inferiore, per i pilastri armature lungo la base e l'altezza della sezione*

Co Nr : *Numero della combinazione e in sequenza sollecitazioni ultime di calcolo che forniscono la minore sicurezza per le azioni taglianti e torcenti*

V Exd : *Taglio ultimo di calcolo in direzione X*

V Eyd : *Taglio ultimo di calcolo in direzione Y*

T sdu : *Momento torcente ultimo di calcolo*

V Rxd : *Taglio resistente ultimo delle staffe in direzione X*

V Ryd : *Taglio resistente ultimo delle staffe in direzione Y*

T Rd : *Momento torcente resistente ultimo delle staffe*

T Rld : *Momento torcente resistente ultimo dell'armatura longitudinale*

Coe Cls : *Coefficiente per il controllo di sicurezza del calcestruzzo alle azioni taglianti e torcenti moltiplicato per 100; la sezione è verificata se detto valore e minore o uguale a 100*

Coe Staf : *Coefficiente per il controllo di sicurezza delle staffe alle azioni taglianti e torcenti moltiplicato per 100; la sezione è verificata se detto valore e minore o uguale a 100*

Alon : *Armatura longitudinale a torsione (nelle travi rettangolari per le quali è stata effettuata la verifica a momento My in questo dato viene stampata anche l'armatura flessionale dei lati verticali)*

Staffe : *Passo staffe e lunghezza del tratto da armare*

Moltipl Ultimo : *Solo per le stampe di riverifica:*
Moltiplicatore dei carichi che porta a collasso la sezione. Il percorso dei carichi seguito e' a sforzo normale costante. Le deformazioni riportate sono determinate dalle sollecitazioni di calcolo amplificate del moltiplicatore in parola.

- **VERIFICHE ASTE IN ACCIAIO / LEGNO**

Si riporta appresso la spiegazione delle sigle usate nelle tabelle di verifica aste in acciaio e di verifica aste in legno.

Fili N.ro : *Sulla prima riga numero del filo del nodo iniziale, sulla terza quello del nodo finale*
Quota : *Sulla prima riga quota del nodo iniziale, sulla terza quota del nodo finale*
Tratto : *Se una trave è suddivisa in più tratti sulla prima riga è riportato il numero del tratto, sulla terza il numero di suddivisioni della trave*
Cmb N.r : *Numero della combinazione per la quale si Š avuta la condi zione più gravosa (rapporto di verifica massimo). La combinazione 0, se presente, si riferisce alle verifiche delle aste in legno, costruita con la sola presenza dei carichi permanenti (1.3*G1 + 1.5*G2). Seguono le caratteristiche associate alla combinazione:*
N Sd : *Sforzo normale di calcolo*
MxSd : *Momento flettente di calcolo asse vettore X locale*
MySd : *Momento flettente di calcolo asse vettore Y locale*
VxSd : *Taglio di calcolo in direzione dell'asse X locale*
VySd : *Taglio di calcolo in direzione dell'asse Y locale*
T Sd : *Torsione di calcolo*
N Rd : *Sforzo normale resistente ridotto per presenza dell'azione tagliante*
MxV.Rd : *Momento flettente resistente con asse vettore X locale ridotto per presenza di azione tagliante. Per le sezioni di classe 3 è sempre il momento limite elastico, per quelle di classe 1 e 2 è il momento plastico. Se inoltre la tipologia della sezione è doppio T, tubo tondo, tubo rettangolare e piatto, il momento è ridotto dall'eventuale presenza dello sforzo normale*
MyV.Rd : *Momento flettente resistente con asse vettore Y locale ridotto per presenza di azione tagliante. Vale quanto riportato per il dato precedente*
VxplRd : *Taglio resistente plastico in direzione dell'asse X locale*
VyplRd : *Taglio resistente plastico in direzione dell'asse X locale*
T Rd : *Torsione resistente*
fy rid : *Resistenza di calcolo del materiale ridotta per presenza dell'azione tagliante*
Rap % : *Rapporto di verifica moltiplicato per 100. Sezione verificata per valori minori o uguali a 100. La formula utilizzata in verifica è la n.ro 6.41 di EC3. Tale formula nel caso di sezione a doppio T coincide con le formule del DM 2008 n.ro 4.2.39 e del DM 2018 n.ro 4.2.39.*
Sez.N : *Numero di archivio della sezione*
Ac : *Coefficiente di amplificazione dei carichi statici. Sostituisce il dato 'Sez.N.' se l'incremento dei carichi statici è maggiore di 1*
Qn : *Carico distribuito normale all'asse della trave in kg/m, incluso il peso proprio*
Asta : *Numerazione dell'asta*

Per le strutture dissipative, nei pilastri, sono stati tenuti in conto i fattori di sovraresistenza riportati nella Tab. 7.5.I delle NTC 2008 e par 7.5.1 delle NTC2018
L'ultima riga delle quattro relative a ciascuna asta, si riferisce ai valori utili ad effettuare le verifiche di instabilità:

l : *Lunghezza della trave*
β*l : *Lunghezza libera di inflessione*
clas. : *Classe di verifica della trave*
ε : *(235/fy)^(1/2). Se il valore e' maggiore di 1 significa che il programma ha classificato la sezione, originariamente di classe 4, come sezione di classe 3 secondo il comma (9) del punto 5.5.2 dell'EC3 in base alla tensione di compressione massima. Per tali aste non sono state effettuate le verifiche di instabilita' come previsto nel comma (10)*

dell'EC3 (vedi anche pto C4.2.3.1).

Lmd : *Snellezza lambda*

R%pf : *Rapporto di verifica per l'instabilità alla presso-flessione moltiplicato per 100 determinato dalla formula [C4.2.32]. Sezione verificata per valori minori o uguali a 100*

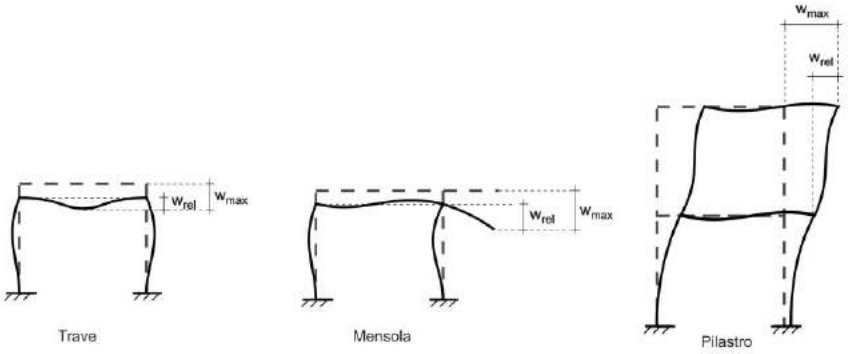
R%ft : *Rapporto di verifica per l'instabilità flesso-torsionale moltiplicato per 100 determinato dalla formula [C4.2.36]*

Wmax : *Spostamento massimo*

Wrel : *Spostamento relativo, depurato dalla traslazione rigida dei nodi*

Wlim : *Spostamento limite*

Gli spostamenti Wmax e Wrel, essendo legati alle verifiche di esercizio, sono calcolati combinando i canali di carico con i coefficienti delle matrici SLE.
Per una più agevole comprensione del significato dei dati Wmax e Wrel, si può fare riferimento alla figura seguente:



Quindi ai fini della verifica è sufficiente che risulti Wrel<=Wlim, essendo del tutto normale che l'asta possa risultare verificata anche con Wmax>Wlim.

Se:

Rap % : *111 La sezione non verifica per taglio elevato*

Rap % : *444 Sezione non verificata in automatico perché di classe 4*

Per le sezioni in legno vengono modificate le seguenti colonne:

N Rd → σ_n : *Tensione normale dovuta a sforzo normale*

MxV.Rd → σM_x : *Tensione normale dovuta a momento Mx*

MyV.Rd → σM_y : *Tensione normale dovuta a momento My*

VxplRd → τ_x : *Tensione tangenziale dovuta a taglio Tx*

VyplRd → τ_y : *Tensione tangenziale dovuta a taglio Ty*

T Rd → τM_t : *Tensione tangenziale da momento torcente*

fy rid → Rapp. Fless : *Rapporto di verifica per la flessione composta secondo le formule dei DM 2008/2018 [4.4.6a], [4.4.6b], [4.4.7a], [4.4.7b]. Viene riportato il valore più alto fra tutte le varie combinazioni e si intende verificato, come tutti gli altri rapporti, se il valore è minore di uno*

Rap % → Rapp.Taglio : *Rapporto di verifica per il taglio o la torsione secondo le formule dei DM 2008/2018 [4.4.8], [4.4.9] avendo sovrapposto gli effetti con la [4.4.10] nel caso di taglio e torsione agenti contemporaneamente*

clas. → KcC : *Coefficiente di instabilità di colonna ($K_{crit,c}$) determinato dalle formule dei DM 2008/2018 [4.4.15]*

lmd → KcM : *Coefficiente di instabilità di trave ($K_{crit,m}$) determinato dalle formule dei DM 2008/2018 [4.4.12]*

R%pf → Rx : *Rapporto globale di verifica di instabilità che tiene in conto sia dell'instabilità di colonna che quella di trave; il coefficiente Km è applicato al termine del momento Y*

R%ft → Ry : *Rapporto globale di verifica di instabilità che tiene in conto sia dell'instabilità di colonna che quella di trave; il coefficiente Km è applicato al termine del momento X*

Gli spostamenti Wmax e Wrel sono calcolati secondo le formule [2.2] e [2.3] dell'Eurocodice 5. In particolare si sommano gli spostamenti istantanei delle combinazioni SLE Rare con quelli a tempo infinito delle combinazioni SLE Quasi Permanenti. Quindi indicando con U^P gli spostamenti istantanei dei carichi permanenti e con U^Q quelli dei carichi variabili lo spostamento finale vale:

$$U_{fin} = U^P + K_{def} * U^P + U^Q + K_{def} * ø_2 * U^Q$$

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
26	1.40	1	25	1	1	-5.1	0.0	0.0	35	2	1	17.4	3.0	1	0.0	3.7	0.0	17.2	43.2	10.6	0.0	8	9	0.0	9	52	8
35	1.40	/	30	3	1	-5.1	0.0	0.0	35	2	1	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	5	70	5	1	-3.9	0.0	0.0	35	2	1	17.4	3.0	1	0.0	3.1	0.0	17.2	43.2	10.6	0.0	7	7	0.0	9	52	8
35	1.40	1	5	1	2	-0.2	0.0	0.0	31	1	0	7.1	3.1	2	0.0	0.2	0.0	23.7	13.3	4.0	0.0	2	2	0.0	12	24	8
34	1.40	/	40	3	2	-0.1	0.0	0.0	31	0	0	7.1	3.1	2	0.0	0.1	0.0	23.7	13.3	4.0	0.0	1	1	0.0	12	68	8
2.48	1.00	5	24	5	1	-0.1	0.0	0.0	31	0	0	7.1	3.1	1	0.0	-0.1	0.0	23.7	13.3	4.0	0.0	1	1	0.0	12	24	8
100	1.40	1	25	1	1	-5.4	0.0	0.0	35	3	1	17.4	3.0	1	0.0	6.1	0.0	17.2	43.2	10.6	0.0	14	14	0.0	9	30	8
25	1.40	/	30	3	1	-5.4	0.0	0.0	35	3	1	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	2	70	5	1	-5.4	0.0	0.0	35	3	1	17.4	3.0	1	0.0	5.8	0.0	17.2	43.2	10.6	0.0	13	13	0.0	9	30	8
25	1.40	1	25	1	1	5.4	0.0	0.0	13	12	2	17.4	3.0	1	0.0	-13.5	0.0	17.2	43.2	10.6	0.0	31	31	0.0	9	26	8
119	1.40	/	30	3	1	5.4	0.0	0.0	12	13	2	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	2	70	5	1	-1.8	0.0	0.0	35	1	0	17.4	3.0	1	0.0	-13.7	0.0	17.2	43.2	10.6	0.0	32	32	0.0	9	26	8
119	1.40	1	25	1	1	-0.7	0.0	0.0	35	0	0	17.4	3.0	1	0.0	0.6	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	52	8
34	1.40	/	30	3	1	-0.7	0.0	0.0	35	0	0	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00	4	70	5	1	-0.5	0.0	0.0	35	0	0	17.4	3.0	1	0.0	0.1	0.0	10.4	26.1	6.4	0.0	0	0	0.0	20	52	8
1	1.40		25	1	1	-7.8	0.0	0.0	33	4	2	14.3	3.0	1	0.0	9.2	0.0	17.2	43.2	10.6	0.0	21	21	0.0	9	70	8
10	1.40		30	3	1	4.1	0.0	0.0	28	4	1	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-8.1	0.0	0.0	35	4	2	17.4	3.0	1	0.0	-9.4	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
10	1.40		25	1	1	-8.7	0.0	0.0	35	4	2	17.4	3.0	1	0.0	9.7	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
19	1.40		30	3	1	4.4	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-8.6	0.0	0.0	35	4	2	17.4	3.0	1	0.0	-9.6	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
19	1.40		25	1	1	-8.2	0.0	0.0	35	4	2	17.4	3.0	1	0.0	9.4	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
28	1.40		30	3	1	4.1	0.0	0.0	28	4	1	2.3	9.1	1	0.0	0.2	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	380	8
1.86	1.00		70	5	1	-7.7	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-9.2	0.0	17.2	43.2	10.6	0.0	21	21	0.0	9	70	8
2	1.40		25	1	1	-12.3	0.0	0.0	33	7	4	14.3	3.0	1	0.0	14.7	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
11	1.40		30	3	1	6.6	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-13.0	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-14.9	0.0	17.2	43.2	10.6	0.0	34	35	0.0	9	70	8
3	1.40		25	1	1	-12.2	0.0	0.0	33	7	4	14.3	3.0	1	0.0	14.5	0.0	17.2	43.2	10.6	0.0	33	34	0.0	9	70	8
12	1.40		30	3	1	6.5	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-12.8	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-14.8	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
4	1.40		25	1	1	-12.0	0.0	0.0	33	7	4	14.3	3.0	1	0.0	14.5	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
13	1.40		30	3	1	6.5	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-12.9	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-14.8	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
5	1.40		25	1	1	-11.9	0.0	0.0	33	7	3	14.3	3.0	1	0.0	14.4	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
14	1.40		30	3	1	6.6	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-12.9	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-14.8	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
6	1.40		25	1	1	-12.7	0.0	0.0	35	6	3	17.4	3.0	1	0.0	14.5	0.0	17.2	43.2	10.6	0.0	33	34	0.0	9	70	8
15	1.40		30	3	1	6.2	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.2	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	380	8
1.86	1.00		70	5	1	-12.4	0.0	0.0	35	6	3	17.4	3.0	1	0.0	-14.4	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
7	1.40		25	1	1	-14.0	0.0	0.0	35	7	4	17.4	3.0	1	0.0	15.2	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
16	1.40		30	3	1	6.6	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	395	8
1.86	1.00		70	5	1	-12.7	0.0	0.0	35	6	3	17.4	3.0	1	0.0	-14.7	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
8	1.40		25	1	1	-13.0	0.0	0.0	35	6	4	17.4	3.0	1	0.0	14.8	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
17	1.40		30	3	1	6.3	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.2	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	380	8
1.86	1.00		70	5	1	-12.7	0.0	0.0	35	6	3	17.4	3.0	1	0.0	-14.7	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
9	1.40		25	1	1	-7.8	0.0	0.0	33	4	2	14.3	3.0	1	0.0	9.3	0.0	17.2	43.2	10.6	0.0	21	21	0.0	9	70	8
18	1.40		30	3	1	4.1	0.0	0.0	28	4	1	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	380	8
1.86	1.00		70	5	1	-8.0	0.0	0.0	35	4	2	17.4	3.0	1	0.0	-9.3	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
11	1.40		25	1	1	-13.8	0.0	0.0	35	6	4	17.4	3.0	1	0.0	15.4	0.0	17.2	43.2	10.6	0.0	35	36	0.0	9	70	8
20	1.40		30	3	1	7.0	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-13.8	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-15.4	0.0	17.2	43.2	10.6	0.0	35	36	0.0	9	70	8
12	1.40		25	1	1	-13.8	0.0	0.0	35	6	4	17.4	3.0	1	0.0	15.3	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
21	1.40		30	3	1	7.0	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	400	8
1.86	1.00		70	5	1	-13.3	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-15.1	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
13	1.40		25	1	1	-13.8	0.0	0.0	35	6	4	17.4	3.0	1	0.0	15.3	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
22	1.40		30	3	1	6.9	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-13.3	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-15.1	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
14	1.40		25	1	1	-13.7	0.0	0.0	35	6	4	17.4	3.0	1	0.0	15.2	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
23	1.40		30	3	1	6.8	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-13.5	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-15.1	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
15	1.40		25	1	1	-13.6	0.0	0.0	35	6	4	17.4	3.0	1	0.0	15.1	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
24	1.40		30	3	1	6.8	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-13.1	0.0	0.0	35	6	4	17.4	3.0	1	0.0	-14.9	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
16	1.40		25	1	1	-9.4	0.0	0.0	35	4	3	17.4	3.0	1	0.0	12.6	0.0	17.2	43.2	10.6	0.0	29	29	0.0	9	70	8
100	1.40		30	3	1	4.6	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.8	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	285	8
1.86	1.00		70	5	1	-6.7	0.0	0.0	35	3	2	17.4	3.0	1	0.0	-11.3	0.0	17.2	43.2	10.6	0.0	26	26	0.0	9	70	8
17	1.40		25	1	1	-15.1	0.0	0.0	35	7	4	17.4	3.0	1	0.0	15.8	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
26	1.40		30	3	1	7.5	0.0	0.0	28	6	3	2.3	9.1	1	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	400	8
1.86	1.00		70	5	1	-10.3	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-14.0	0.0	17.2	43.2	10.6	0.0	32	32	0.0	9	70	8
18	1.40		25	1	1	-8.8	0.0	0.0	35	4	2	17.4	3.0	1	0.0	9.7	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
27	1.40		30	3	1	4.4	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	400	8
1.86	1.00		70	5	1	-8.5	0.0	0.0	35	4	2	17.4	3.0	1	0.0	-9.6	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
20	1.40		25	1	1	-13.2	0.0	0.0	35	6	4	17.4	3.0	1	0.0	15.0	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
29	1.40		30	3	1	6.6	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	380	8
1.86	1.00		70	5	1	-12.1	0.0	0.0	33	7	4	14.3	3.0	1	0.0	-14.6	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
21	1.40		25	1	1	-8.5	0.0	0.0	35	4	2	17.4	3.0	1	0.0	11.0	0.0	17.2	43.2	10.6	0.0	25	25	0.0	9	53	8
116	1.40		30	3	1	-8.5	0.0	0.0	35	4	2	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-5.4	0.0	0.0	35	3	1	17.4	3.0	1	0.0	5.1	0.0	17.2	43.2	10.6	0.0	12	12	0.0	9	53	8
22	1.40		25	1	1	-9.4	0.0	0.0	35	4	3	17.4	3.0	1	0.0	12.5	0.0	17.2	43.2	10.6	0.0	29	29	0.0	9	53	8
117	1.40		30	3	1	-9.4	0.0	0.0	35	4	3	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.6	0.0	0.0	12	1	0	17.4	3.0	1	0.0	6.6	0.0	17.2	43.2	10.6	0.0	15	15	0.0	9	53	8
23	1.40		25	1	1	-13.0	0.0	0.0	35	6	4	17.4	3.0	1	0.0	14.8	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
32	1.40		30	3	1	6.5	0.0	0.0	28	6	2	2.3	9.1	1	0.0	0.4	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	380	8
1.86	1.00		70	5	1	-11.9	0.0	0.0	33	7	3	14.3	3.0	1	0.0	-14.4	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
24	1.40		25	1	1	-7.2	0.0	0.0	35	3	2	17.4	3.0	1	0.0	10.1	0.0	17.2	43.2	10.6	0.0	23	23	0.0	9	53	8
118	1.40		30	3	1	-7.2	0.0	0.0	35	3	2	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.3	0.0	0.0	12	1	0	17.4	3.0	1	0.0	4.3	0.0	17.2	43.2	10.6	0.0	10	10	0.0	9	53	8
138	1.40		5	1	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8
139	1.40		40	3	1	0.0	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	112	8
2.5	1.00		24	5	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8
139	1.40		5	1	1	-1.5	0.0	0.0	29	6	3	6.8	6.8	1	0.0	3.1	0.0	14.4	8.1	2.5	0.0	23	38	0.0	20	24	8
117	1.40		40	3	1	0.7	0.0	0.0	29	3	1	6.8	6.8	1	0.0	0.7	0.0	14.4	8.1	2.5	0.0	5	9	0.0	20	172	8
2.5	1.00		24	5	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-1.8	0.0	14.4	8.1	2.5	0.0	13	22	0.0	20	24	8
27	1.40		25	1	1	-8.3	0.0	0.0	35	4	2	17.4	3.0	1	0.0	9.4	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
36	1.40		30	3	1	4.1	0.0	0.0	28	4	1	2.3	9.1	1	0.0	0.2	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	380	8
1.86	1.00		70	5	1	-7.6	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-9.2	0.0	17.2	43.2	10.6	0.0	21	21	0.0	9	70	8
1	1.40		5	1	1	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
2	1.40		40	3	2	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
2	1.40		5	1	2	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
3	1.40		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
3	1.40		5	1	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
4	1.40		40	3	2	0.9	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	522	8
2.48	1.00		24	5	1	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
4	1.40		5	1	2	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
5	1.40		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
5	1.40		5	1	1	-1.8	0.0	0.0	31	7	4	7.1	3.1	1	0.0	1.9	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
6	1.40		40	3	1	0.9	0.0	0.0	31	3	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	517	8
2.48	1.00		24	5	2	-1.8	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-1.9	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
6	1.40		5	1	2	-0.6	0.0	0.0	31	2	1	7.1	3.1	1	0.0	0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
7	1.40		40	3	2	0.3	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	512	8
2.48	1.00		24	5	1	-0.6	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
7	1.40		5	1	1	-0.6	0.0	0.0	31	2	1	7.1	3.1	1	0.0	0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
8	1.40		40	3	1	0.3	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	522	8
2.48	1.00		24	5	2	-0.7	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
8	1.40		5	1	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
9	1.40		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
28	1.40		5	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
29	1.40		40	3	2	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
29	1.40		5	1	2	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
30	1.40		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
37	1.40		25	1	1	-9.8	0.0	0.0	35	5	3	17.4	3.0	1	0.0	10.1	0.0	17.2	43.2	10.6	0.0	23	23	0.0	9	70	8
6	1.40		30	3	1	4.8	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	430	8
1.86	1.00		70	5	1	-9.2	0.0	0.0	35	4	3	17.4	3.0	1	0.0	-9.9	0.0	17.2	43.2	10.6	0.0	23	23	0.0	9	70	8
31	1.40		5	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
32	1.40		40	3	2	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
32	1.40		5	1	2	-1.8	0.0	0.0	31	7	4	7.1	3.1	1	0.0	1.9	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
33	1.40		40	3	1	0.9	0.0	0.0	31	3	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	517	8
2.48	1.00		24	5	1	-1.8	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
43	1.40		25	1	1	-8.1	0.0	0.0	33	5	2	14.3	3.0	1	0.0	9.5	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
37	1.40		30	3	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-0.3	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	420	8
1.86	1.00		70	5	1	-9.6	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-10.1	0.0	17.2	43.2	10.6	0.0	23	23	0.0	9	70	8
35	1.40		5	1	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
36	1.40		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	1	0.0	20	537	8
2.48	1.00		24	5	1	-2.0	0.0	0.0	31	8	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
38	1.40		25	1	1	-15.4	0.0	0.0	35	7	4	17.4	3.0	1	0.0	16.1	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
7	1.40		30	3	1	7.6	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	425	8
1.86	1.00		70	5	1	-14.3	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-15.7	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
44	1.40		25	1	1	-12.2	0.0	0.0	33	7	4	14.3	3.0	1	0.0	15.0	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
38	1.40		30	3	1	7.8	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-0.6	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	415	8
1.86	1.00		70	5	1	-15.5	0.0	0.0	35	7	4	17.4	3.0	1	0.0	-16.2	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
39	1.40		25	1	1	-9.9	0.0	0.0	35	5	3	17.4	3.0	1	0.0	10.2	0.0	17.2	43.2	10.6	0.0	24	24	0.0	9	70	8
8	1.40		30	3	1	4.8	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	430	8
1.86	1.00		70	5	1	-9.2	0.0	0.0	35	4	3	17.4	3.0	1	0.0	-10.0	0.0	17.2	43.2	10.6	0.0	23	23	0.0	9	70	8
45	1.40		25	1	1	-8.0	0.0	0.0	33	5	2	14.3	3.0	1	0.0	9.6	0.0	17.2	43.2	10.6	0.0	22	22	0.0	9	70	8
39	1.40		30	3	1	5.0	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-0.3	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	420	8
1.86	1.00		70	5	1	-9.8	0.0	0.0	35	5	3	17.4	3.0	1	0.0	-10.3	0.0	17.2	43.2	10.6	0.0	24	24	0.0	9	70	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
43	1.40		5	1	1	-0.6	0.0	0.0	31	2	1	7.1	3.1	1	0.0	0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
44	1.40		40	3	1	0.3	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	522	8
2.48	1.00		24	5	2	-0.7	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
44	1.40		5	1	2	-0.7	0.0	0.0	31	3	1	7.1	3.1	1	0.0	0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
45	1.40		40	3	1	0.3	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	532	8
2.48	1.00		24	5	1	-0.7	0.0	0.0	31	3	1	7.1	3.1	1	0.0	-0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
116	1.40		5	1	1	0.0	0.0	0.0	29	0	0	6.8	6.8	2	0.0	0.1	0.0	14.4	8.1	2.5	0.0	1	1	0.0	20	24	8
138	1.40		40	3	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	172	8
2.5	1.00		24	5	1	-0.3	0.0	0.0	29	1	1	6.8	6.8	1	0.0	-0.4	0.0	14.4	8.1	2.5	0.0	3	5	0.0	20	24	8
24	1.40		5	1	1	-2.6	0.0	0.0	29	10	5	6.8	6.8	1	0.0	2.8	0.0	14.4	8.1	2.5	0.0	21	34	0.0	20	24	8
25	1.40		40	3	1	1.3	0.0	0.0	29	5	3	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	522	8
2.5	1.00		24	5	1	-2.6	0.0	0.0	29	10	5	6.8	6.8	1	0.0	-2.7	0.0	14.4	8.1	2.5	0.0	21	34	0.0	20	24	8
116	1.40		25	1	1	-0.2	0.0	0.0	35	0	0	17.4	3.0	1	0.0	5.0	0.0	10.4	26.1	6.4	0.0	15	19	0.0	20	70	8
30	1.40		30	3	1	3.7	0.0	0.0	28	3	1	2.3	9.1	1	0.0	-1.6	0.0	10.4	26.1	6.4	0.0	5	6	0.0	20	275	8
2.5	1.00		70	5	1	-7.1	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-8.3	0.0	30.0	32.2	3.6	0.0	26	14	0.0	9	70	8
117	1.40		25	1	1	2.9	0.0	0.0	12	7	1	17.4	3.0	1	0.0	4.8	0.0	10.4	26.1	6.4	0.0	15	18	0.0	20	70	8
31	1.40		30	3	1	3.8	0.0	0.0	28	3	1	2.3	9.1	1	0.0	-1.7	0.0	10.4	26.1	6.4	0.0	5	7	0.0	20	275	8
2.5	1.00		70	5	1	-7.3	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-8.4	0.0	30.0	32.2	3.6	0.0	26	15	0.0	9	70	8
118	1.40		25	1	1	2.6	0.0	0.0	12	6	1	17.4	3.0	1	0.0	4.3	0.0	10.4	26.1	6.4	0.0	13	16	0.0	20	70	8
165	1.40		30	3	1	3.3	0.0	0.0	27	3	1	2.3	9.1	1	0.0	-1.8	0.0	10.4	26.1	6.4	0.0	6	7	0.0	20	250	8
2.5	1.00		70	5	1	-6.6	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-7.8	0.0	30.0	32.2	3.6	0.0	24	14	0.0	9	70	8
165	1.40		32	1	1	-0.3	0.2	0.0	25	1	0	7.7	7.7	1	0.1	0.6	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
142	1.40		70	3	1	0.1	-0.1	0.0	25	0	0	7.7	7.7	1	0.1	0.1	0.0	45.9	13.9	7.7	0.0	1	1	0.0	15	197	8
2.5	1.00		24	5	2	-0.1	-0.2	0.0	25	0	0	7.7	7.7	1	0.1	-0.4	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
142	1.40		32	1	2	-0.2	-0.2	0.0	25	1	0	7.7	7.7	1	-0.1	0.5	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
166	1.40		70	3	2	0.1	-0.1	0.0	25	0	0	7.7	7.7	1	-0.1	-0.1	0.0	38.3	33.9	4.3	0.0	1	0	0.0	15	197	8
2.5	1.00		24	5	1	-0.3	0.2	0.0	25	1	0	7.7	7.7	1	-0.1	-0.6	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
134	3.98		2	1	1	-0.3	0.0	0.0	20	1	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
129	3.98		30	3	1	-4.1	0.0	0.0	29	10	4	6.2	2.3	1	0.0	-3.2	0.0	10.4	14.4	3.4	0.4	18	22	2.3	20	110	8
2.5	1.00		40	5	1	-6.0	0.0	0.0	29	14	7	6.2	2.3	1	0.0	-6.4	0.0	10.4	14.4	3.4	0.4	36	44	2.3	20	40	8
129	3.98		2	1	1	-0.1	0.0	0.3	19	0	0	6.2	2.3	1	0.0	0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
130	2.26		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.0	0	0	0.0	20	169	8
2.5	1.00		40	5	1	-0.1	0.0	-0.3	38	0	0	6.2	2.3	1	0.0	-0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
130	2.26		2	1	1	-6.0	0.0	0.0	29	14	7	6.2	2.3	1	0.0	6.4	0.0	10.4	14.4	3.4	0.4	36	44	2.3	20	40	8
135	2.26		30	3	1	-4.1	0.0	0.0	29	10	4	6.2	2.3	1	0.0	3.2	0.0	10.4	14.4	3.4	0.4	18	22	2.3	20	110	8
2.5	1.00		40	5	1	-0.3	0.0	0.0	20	1	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
132	3.98		2	1	1	-0.1	0.0	0.3	19	0	0	6.2	2.3	1	0.0	0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
133	2.26		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.0	0	0	0.0	20	169	8
2.5	1.00		40	5	1	-0.1	0.0	-0.3	38	0	0	6.2	2.3	1	0.0	-0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
133	2.26		2	1	1	-6.0	0.0	0.0	29	14	7	6.2	2.3	1	0.0	6.3	0.0	10.4	14.4	3.4	0.4	36	44	2.3	20	40	8
137	2.26		30	3	1	-4.1	0.0	0.0	29	10	4	6.2	2.3	1	0.0	3.2	0.0	10.4	14.4	3.4	0.4	18	22	2.3	20	110	8
2.5	1.00		40	5	1	-0.3	0.0	0.0	20	1	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
136	3.98		2	1	1	-0.3	0.0	0.0	20	1	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
132	3.98		30	3	1	-4.1	0.0	0.0	29	10	4	6.2	2.3	1	0.0	-3.2	0.0	10.4	14.4	3.4	0.4	18	22	2.3	20	110	8
2.5	1.00		40	5	1	-6.0	0.0	0.0	29	14	7	6.2	2.3	1	0.0	-6.3	0.0	10.4	14.4	3.4	0.4	36	44	2.3	20	40	8
55	4.84		25	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-2.1	-1.2	40.4	43.3	4.8	2.2	30	16	6.8	9	20	8
1	4.84		30	3	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0	0	6.8	9	0	8
1.86	1.00		70	5	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-3.6	-1.2	40.4	43.3	4.8	2.2	34	20	6.8	9	20	8
19	4.84		25	1	1	-9.7	0.0	0.0	35	5	3	16.6	3.0	1	0.0	11.2	0.0	30.0	32.2	3.6	0.0	35	19	0.0	9	70	8
114	4.84		30	3	1	5.0	0.0	0.0	12	12	2	17.4	3.0	1	0.0	5.0	0.0	30.0	32.2	3.6	0.0	16	9	0.0	9	150	8
2.5	1.00		70	5	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-1.1	0.0	10.4	26.1	6.4	0.0	3	4	0.0	20	70	8
56	4.84		25	1	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-2.1	1.3	40.4	43.3	4.8	2.2	31	17	6.8	9	20	8
2	4.84		30	3	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0	0	6.8	9	0	8
1.86	1.00		70	5	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-3.6	1.3	40.4	43.3	4.8	2.2	34	20	6.8	9	20	8
57	4.84		25	1	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-1.8	-0.9	40.4	43.3	4.8	1.4	23	13	4.5	9	20	8
3	4.84		30	3	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-3.2	-0.9	40.4	43.3	4.8	1.4	26	16	4.5	9	20	8
58	4.84		25	1	1	-6.4	0.0	0.0	34	3	2	16.6	3.0	1	0.0	-8.8	0.0	17.2	43.2	10.6	0.0	20	20	0.0	9	20	8
4	4.84		30	3	1	-6.4	0.0	0.0	34	3	2	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-6.4	0.0	0.0	34	3	2	16.6	3.0	1	0.0	-11.1	0.0	17.2	43.2	10.6	0.0	26	26	0.0	9	20	8
59	4.84		25	1	1	-12.0	0.0	0.0	35	6	3	16.6	3.0	1	0.0	-11.1	0.0	17.2	43.2	10.6	0.0	26	26	0.0	9	20	8
5	4.84		30	3	1	-12.0	0.0	0.0	35	6	3	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-12.0	0.0	0.0	35	6	3	16.6	3.0	1	0.0	-13.4	0.0	17.2	43.2	10.6	0.0	31	31	0.0	9	20	8
6	4.84		25	1	1	-13.7	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.0	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
15	4.84		30	3	1	6.5	0.0	0.0	28	6	2	2.3	9.1	2	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	395	8
1.86	1.00		70	5	1	-13.1	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-14.8	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
7	4.84		25	1	1	-13.2	0.0	0.0	35	6	4	16.6	3.0	1	0.0	15.2	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
16	4.84		30	3	1	7.4	0.0	0.0	28	6	3	2.3	9.1	1	0.0	-0.2	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	410	8
1.86	1.00		70	5	1	-14.2	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.5	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
62	4.84		25	1	1	-6.3	0.0	0.0	34	3	2	16.6	3.0	1	0.0	-6.9	-1.2	40.4	43.3	4.8	2.2	41	28	6.8	9	20	8
8	4.84		30	3	1	-6.3	0.0	0.0	34	3	2	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0	0	6.8	9	0	8
1.86	1.00		70	5	1	-6.3	0.0	0.0	34	3	2	16.6	3.0	1	0.0	-8.9	-1.2	40.4	43.3	4.8	2.2	46	32	6.8	9	20	8
63	4.84		25	1	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-2.1	1.2	40.4	43.3	4.8	2.2	30	16	6.8	9	20	8
9	4.84		30	3	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0	0	6.8	9	0	8
1.86	1.00		70	5	1	-1.1	0.0	0.0	32	1	0	14.3	3.0	1	0.0	-3.6	1.2	40.4	43.3	4.8	2.2	33	20	6.8	9	20	8
11	4.84		25	1	1	-14.3	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.6	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
20	4.84		30	3	1	7.1	0.0	0.0	28	6	3	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	410	8
1.86	1.00		70	5	1	-14.5	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.7	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
12	4.84		25	1	1	-14.7	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.8	0.0	17.2	43.2	10.6	0.0	36	37	0.0	9	70	8
21	4.84		30	3	1	7.5	0.0	0.0	28	6	3	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	2	0.0	20	410	8
1.86	1.00		70	5	1	-13.0	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-15.2	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
13	4.84		25	1	1	-14.5	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.7	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
22	4.84		30	3	1	7.5	0.0	0.0	28	6	3	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	410	8
1.86	1.00		70	5	1	-13.0	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-15.2	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
14	4.84		25	1	1	-13.7	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.3	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
23	4.84		30	3	1	7.2	0.0	0.0	28	6	3	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	410	8
1.86	1.00		70	5	1	-14.3	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.5	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
15	4.84		25	1	1	-14.3	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.5	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
24	4.84		30	3	1	7.4	0.0	0.0	28	6	3	2.3	9.1	1	0.0	0.3	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	410	8
1.86	1.00		70	5	1	-12.8	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-15.0	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
16	4.84		25	1	1	-14.7	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.8	0.0	17.2	43.2	10.6	0.0	36	37	0.0	9	70	8
25	4.84		30	3	1	7.6	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.2	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	415	8
1.86	1.00		70	5	1	-13.3	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.3	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
17	4.84		25	1	1	-14.4	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.6	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
26	4.84		30	3	1	7.1	0.0	0.0	28	6	3	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	410	8
1.86	1.00		70	5	1	-14.3	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.6	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
18	4.84		25	1	1	-10.2	0.0	0.0	35	5	3	16.6	3.0	1	0.0	11.2	0.0	30.0	32.2	3.6	0.0	35	19	0.0	9	70	8
140	4.84		30	3	1	-6.6	0.0	0.0	35	3	2	17.4	3.0	1	0.0	5.2	0.0	30.0	32.2	3.6	0.0	16	9	0.0	9	135	8
2.5	1.00		70	5	1	4.4	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-0.5	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	70	8
20	4.84		25	1	1	-14.4	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.9	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
29	4.84		30	3	1	7.7	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.8	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	395	8
1.86	1.00		70	5	1	-11.0	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-14.6	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
21	4.84		25	1	1	-10.4	0.0	0.0	35	5	3	17.4	3.9	1	0.0	12.9	0.0	17.2	43.1	10.4	0.0	30	30	0.0	9	55	8
116	4.84		30	3	1	-10.4	0.0	0.0	35	5	3	17.4	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.4	0.0	0.0	14	1	0	17.4	3.9	1	0.0	6.7	0.0	17.2	43.1	10.4	0.0	16	16	0.0	9	55	8
22	4.84		25	1	1	-10.6	0.0	0.0	35	5	3	17.4	3.9	1	0.0	13.0	0.0	17.2	43.1	10.4	0.0	30	30	0.0	9	55	8
117	4.84		30	3	1	-10.6	0.0	0.0	35	5	3	17.4	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.3	0.0	0.0	14	1	0	17.4	3.9	1	0.0	6.8	0.0	17.2	43.1	10.4	0.0	16	16	0.0	9	55	8
23	4.84		25	1	1	-14.5	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.7	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
32	4.84		30	3	1	7.6	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	395	8
1.86	1.00		70	5	1	-10.5	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-14.3	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
24	4.84		25	1	1	-6.1	0.0	0.0	35	3	2	17.4	3.9	1	0.0	9.7	0.0	17.2	43.1	10.4	1.4	22	22	4.5	9	55	8
118	4.84		30	3	1	-6.1	0.0	0.0	35	3	2	17.4	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	1.2	0.0	0.0	14	2	0	17.4	3.9	1	0.0	3.6	0.0	17.2	43.1	10.4	1.4	8	8	4.5	9	55	8
25	4.84		25	1	1	-6.7	0.0	0.0	35	3	2	17.4	3.9	1	0.0	10.0	0.0	17.2	43.1	10.4	1.4	23	23	4.5	9	55	8
119	4.84		30	3	1	-6.7	0.0	0.0	35	3	2	17.4	3.9	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.9	0.0	0.0	14	2	0	17.4	3.9	1	0.0	3.9	0.0	17.2	43.1	10.4	1.4	9	9	4.5	9	55	8
26	4.84		25	1	1	-14.5	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.9	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
35	4.84		30	3	1	7.9	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	395	8
1.86	1.00		70	5	1	-10.4	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-14.4	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
27	4.84		25	1	1	-10.3	0.0	0.0	35	5	3	16.6	3.0	1	0.0	11.3	0.0	30.0	32.2	3.6	0.0	35	20	0.0	9	70	8
148	4.84		30	3	1	-7.5	0.0	0.0	35	4	2	17.4	3.0	1	0.0	5.9	0.0	30.0	32.2	3.6	0.0	18	10	0.0	9	115	8
2.5	1.00		70	5	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.5	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	70	8
55	4.84		5	1	1	-1.2	0.0	0.0	31	5	3	7.1	3.1	1	0.0	2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
56	4.84		40	3	2	2.0	0.0	0.0	31	8	4	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00		24	5	2	-1.3	0.0	0.0	31	5	3	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
2	4.84		5	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
3	4.84		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00		24	5	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
57	4.84		5	1	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	13	14	0.0	12	24	8
58	4.84		40	3	2	1.5	0.0	0.0	31	5	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	3	0.0	20	552	8
2.48	1.00		24	5	2	-2.5	0.0	0.0	32	9	6	7.1	3.1	1	0.0	-2.3	0.0	23.7	13.3	4.0	0.0	17	18	0.0	12	24	8
58	4.84		5	1	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.2	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
59	4.84		40	3	1	1.1	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.1	0.0	14.2	8.0	2.4	0.0	1	1	0.0	20	567	8
2.48	1.00		24	5	1	-2.0	0.0	0.0	31	8	4	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
59	4.84		5	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
60	4.84		40	3	1	0.9	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	1	0.0	20	547	8
2.48	1.00		24	5	2	-2.3	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
60	4.84		5	1	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.3	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
61	4.84		40	3	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	3	0.0	20	552	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
7	4.84		5	1	1	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
8	4.84		40	3	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	527	8
2.48	1.00		24	5	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
62	4.84		5	1	2	-1.3	0.0	0.0	31	5	3	7.1	3.1	1	0.0	2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
63	4.84		40	3	1	2.0	0.0	0.0	31	8	4	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00		24	5	1	-1.2	0.0	0.0	31	5	3	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
46	4.84		5	1	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
47	4.84		40	3	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	567	8
2.48	1.00		24	5	2	-2.8	0.0	0.0	32	11	6	7.1	3.1	1	0.0	-2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
47	4.84		5	1	2	-2.8	0.0	0.0	32	11	6	7.1	3.1	1	0.0	2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
48	4.84		40	3	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	567	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
49	4.84		5	1	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
50	4.84		40	3	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	567	8
2.48	1.00		24	5	2	-2.7	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
50	4.84		5	1	2	-2.7	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
51	4.84		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	547	8
2.48	1.00		24	5	1	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
52	4.84		5	1	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
53	4.84		40	3	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	562	8
2.48	1.00		24	5	2	-2.7	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
53	4.84		5	1	2	-2.8	0.0	0.0	32	10	6	7.1	3.1	1	0.0	2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
54	4.84		40	3	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	567	8
2.48	1.00		24	5	1	-0.9	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-1.8	0.0	23.7	13.3	4.0	0.0	14	14	0.0	12	24	8
41	4.84		25	1	1	-0.8	0.0	0.0	32	0	0	14.3	3.0	1	0.0	4.3	0.0	17.2	43.2	10.6	0.0	10	10	0.0	9	70	8
40	4.84		30	3	1	4.2	0.0	0.0	28	4	1	2.3	9.1	1	0.0	-1.1	0.0	7.8	19.4	4.8	0.0	3	6	0.0	20	435	8
1.86	1.00		70	5	1	-7.0	0.0	0.0	34	3	2	16.6	3.0	1	0.0	-6.5	0.0	17.2	43.2	10.6	0.0	15	15	0.0	9	70	8
41	4.84		25	1	1	-0.6	0.0	0.0	35	0	0	17.4	3.0	1	0.0	3.0	0.0	17.2	43.2	10.6	1.4	7	7	4.5	9	70	8
42	4.84		30	3	1	2.9	0.0	0.0	27	3	1	2.3	9.1	1	0.0	-0.8	0.0	7.8	19.4	4.8	1.4	2	4	4.5	20	445	8
1.86	1.00		70	5	1	-4.9	0.0	0.0	32	3	1	14.3	3.0	1	0.0	-4.5	0.0	17.2	43.2	10.6	1.4	10	10	4.5	9	70	8
60	4.84		25	1	1	-9.1	0.0	0.0	35	4	3	16.6	3.0	1	0.0	-12.1	0.0	17.2	43.2	10.6	0.0	28	28	0.0	9	20	8
6	4.84		30	3	1	-9.1	0.0	0.0	35	4	3	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-9.1	0.0	0.0	34	4	3	16.6	3.0	1	0.0	-14.2	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	20	8
61	4.84		25	1	1	-9.6	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-9.9	0.9	40.4	43.3	4.8	1.4	41	31	4.5	9	20	8
7	4.84		30	3	1	-9.6	0.0	0.0	35	5	3	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	-9.6	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-12.0	0.9	40.4	43.3	4.8	1.4	46	36	4.5	9	20	8
39	4.84		25	1	1	-7.2	0.0	0.0	34	4	2	16.6	3.0	1	0.0	6.3	0.0	17.2	43.2	10.6	0.0	15	15	0.0	9	70	8
62	4.84		30	3	2	2.5	0.0	0.0	27	2	1	2.3	9.1	2	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	395	8
1.86	1.00		70	5	1	-3.1	0.0	0.0	34	2	1	16.6	3.0	1	0.0	-4.8	0.0	17.2	43.2	10.6	0.0	11	11	0.0	9	70	8
43	4.84		5	1	1	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
44	4.84		40	3	2	0.3	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	522	8
2.48	1.00		24	5	2	-0.6	0.0	0.0	31	2	1	7.1	3.1	2	0.0	-0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
44	4.84		5	1	1	-0.7	0.0	0.0	31	3	2	7.1	3.1	1	0.0	0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
45	4.84		40	3	1	0.4	0.0	0.0	31	1	1	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	532	8
2.48	1.00		24	5	2	-0.6	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-0.7	0.0	23.7	13.3	4.0	0.0	5	5	0.0	12	24	8
42	4.84		25	1	1	-4.9	0.0	0.0	32	3	1	14.3	3.0	1	0.0	4.3	0.0	17.2	43.2	10.6	1.4	10	10	4.5	9	70	8
43	4.84		30	3	1	2.3	0.0	0.0	27	2	1	2.3	9.1	1	0.0	0.7	0.0	7.8	19.4	4.8	1.4	2	4	4.5	20	425	8
1.86	1.00		70	5	2	-0.9	0.0	0.0	35	0	0	17.4	3.0	1	0.0	-2.8	0.0	17.2	43.2	10.6	1.4	7	7	4.5	9	70	8
40	4.84		25	1	1	-7.0	0.0	0.0	34	3	2	16.6	3.0	1	0.0	6.0	0.0	17.2	43.2	10.6	0.0	14	14	0.0	9	70	8
58	4.84		30	3	2	2.5	0.0	0.0	27	2	1	2.3	9.1	2	0.0	0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	395	8
1.86	1.00		70	5	1	-2.4	0.0	0.0	34	1	1	16.6	3.0	1	0.0	-4.3	0.0	17.2	43.2	10.6	0.0	10	10	0.0	9	70	8
43	4.84		25	1	1	-1.9	0.0	0.0	32	1	1	14.3	3.0	1	0.0	7.9	0.0	17.2	43.2	10.6	0.0	18	18	0.0	9	70	8
37	4.84		30	3	1	7.5	0.0	0.0	28	6	3	2.3	9.1	1	0.0	-1.8	0.0	7.8	19.4	4.8	0.0	4	9	0.0	20	435	8
1.86	1.00		70	5	1	-12.0	0.0	0.0	35	6	3	16.6	3.0	1	0.0	-11.4	0.0	17.2	43.2	10.6	0.0	26	26	0.0	9	70	8
37	4.84		25	1	1	-11.9	0.0	0.0	35	6	3	16.6	3.0	1	0.0	10.7	0.0	17.2	43.2	10.6	0.0	25	25	0.0	9	70	8
60	4.84		30	3	2	4.7	0.0	0.0	28	4	2	2.3	9.1	1	0.0	1.6	0.0	7.8	19.4	4.8	0.0	4	8	0.0	20	395	8
1.86	1.00		70	5	1	-3.9	0.0	0.0	34	2	1	16.6	3.0	1	0.0	-7.6	0.0	17.2	43.2	10.6	0.0	18	18	0.0	9	70	8
44	4.84		25	1	1	-1.9	0.0	0.0	32	1	1	14.3	3.0	1	0.0	8.3	0.0	17.2	43.2	10.6	0.0	19	19	0.0	9	70	8
38	4.84		30	3	1	7.8	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-1.9	0.0	7.8	19.4	4.8	0.0	4	10	0.0	20	430	8
1.86	1.00		70	5	1	-12.3	0.0	0.0	35	6	3	16.6	3.0	1	0.0	-11.9	0.0	17.2	43.2	10.6	0.0	28	28	0.0	9	70	8
38	4.84		25	1	1	-12.0	0.0	0.0	35	6	3	16.6	3.0	1	0.0	10.7	0.0	17.2	43.2	10.6	0.0	25	25	0.0	9	70	8
61	4.84		30	3	2	4.2	0.0	0.0	28	4	1	2.3	9.1	2	0.0	1.4	0.0	7.8	19.4	4.8	0.0	3	7	0.0	20	390	8
1.86	1.00		70	5	1	-5.2	0.0	0.0	34	3	1	16.6	3.0	1	0.0	-8.1	0.0	17.2	43.2	10.6	0.0	19	19	0.0	9	70	8
45	4.84		25	1	1	-1.3	0.0	0.0	32	1	0	14.3	3.0	1	0.0	5.0	0.0	17.2	43.2	10.6	0.0	11	11	0.0	9	70	8
39	4.84		30	3	1	4.6	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-1.1	0.0	7.8	19.4	4.8	0.0	2	6	0.0	20	435	8
1.86	1.00		70	5	1	-7.2	0.0	0.0	34	4	2	16.6	3.0	1	0.0	-7.0	0.0	17.2	43.2	10.6	0.0	16	16	0.0	9	70	8
1	4.84		25	1	1	-7.3	0.0	0.0	33	4	2	14.3	3.0	1	0.0	9.8	0.0	30.0	32.2	3.6	0.0	30	17	0.0	9	70	8
105	4.84		30	3	1	-7.3	0.0	0.0	33	4	2	14.3	3.0	1	0.0	6.3	0.0	30.0	32.2	3.6	0.0	20	11	0.0	9	50	8
2.5	1.00		70	5	1	4.8	0.0	0.0	28	4	2	2.3	9.1	1	0.0	2.9	0.0	10.4	26.1	6.4	0.0	9	11	0.0	20	70	8
2	4.84		25	1	1	-10.4	0.0	0.0	33	6	3	14.3	3.0	1	0.0	14.4	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
11	4.84		30	3	1	7.9	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-0.6	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	395	8
1.86	1.00		70	5	1	-14.6	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-16.0	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
3	4.84		25	1	1	-10.3	0.0	0.0	33	6	3	14.3	3.0	1	0.0	14.3	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
12	4.84		30	3	1	7.8	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-0.6	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	395	8
1.86	1.00		70	5	1	-14.4	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.8	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
4	4.84		25	1	1	-12.6	0.0	0.0	35	6	4	16.6	3.0	1	0.0	14.8	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
13	4.84		30	3	1	6.9	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	395	8
1.86	1.00		70	5	1	-13.7	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.3	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
5	4.84		25	1	1	-14.9	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.4	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
14	4.84		30	3	1	6.3	0.0	0.0	28	5	2	2.3	9.1	2	0.0	0.6	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	395	8
1.86	1.00		70	5	1	-12.7	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-14.6	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
8	4.84		25	1	1	-12.9	0.0	0.0	35	6	4	16.6	3.0	1	0.0	15.1	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
17	4.84		30	3	1	7.2	0.0	0.0	28	6	3	2.3	9.1	2	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	395	8
1.86	1.00		70	5	1	-13.4	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.3	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
9	4.84		25	1	1	-7.9	0.0	0.0	33	4	2	14.3	3.0	1	0.0	9.9	0.0	30.0	32.2	3.6	0.0	31	17	0.0	9	70	8
109	4.84		30	3	1	-7.9	0.0	0.0	33	4	2	14.3	3.0	1	0.0	6.5	0.0	30.0	32.2	3.6	0.0	20	11	0.0	9	50	8
2.5	1.00		70	5	1	4.3	0.0	0.0	28	4	2	2.3	9.1	1	0.0	3.0	0.0	10.4	26.1	6.4	0.0	9	11	0.0	20	70	8
28	4.84		25	1	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	1	0.0	3.3	0.9	40.4	43.3	4.8	1.4	26	16	4.5	9	20	8
46	4.84		30	3	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.8	0.9	40.4	43.3	4.8	1.4	22	12	4.5	9	20	8
29	4.84		25	1	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	7.1	0.0	17.2	43.2	10.6	0.0	16	17	0.0	9	20	8
47	4.84		30	3	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	4.9	0.0	17.2	43.2	10.6	0.0	11	11	0.0	9	20	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
31	4.84		25	1	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	1	0.0	3.3	0.9	40.4	43.3	4.8	1.4	26	16	4.5	9	20	8
49	4.84		30	3	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.8	0.9	40.4	43.3	4.8	1.4	23	13	4.5	9	20	8
32	4.84		25	1	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	7.0	0.0	17.2	43.2	10.6	0.0	16	16	0.0	9	20	8
50	4.84		30	3	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	4.8	0.0	17.2	43.2	10.6	0.0	11	11	0.0	9	20	8
33	4.84		25	1	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	1	0.0	3.2	-0.8	40.4	43.3	4.8	1.4	24	15	4.5	9	20	8
51	4.84		30	3	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.7	-0.8	40.4	43.3	4.8	1.4	21	12	4.5	9	20	8
34	4.84		25	1	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	1	0.0	3.2	0.9	40.4	43.3	4.8	1.4	26	16	4.5	9	20	8
52	4.84		30	3	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.8	0.9	40.4	43.3	4.8	1.4	22	12	4.5	9	20	8
35	4.84		25	1	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	7.1	0.0	17.2	43.2	10.6	0.0	16	16	0.0	9	20	8
53	4.84		30	3	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	4.8	0.0	17.2	43.2	10.6	0.0	11	11	0.0	9	20	8
36	4.84		25	1	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	1	0.0	3.3	-0.9	40.4	43.3	4.8	1.4	26	16	4.5	9	20	8
54	4.84		30	3	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.8	-0.9	40.4	43.3	4.8	1.4	22	12	4.5	9	20	8
103	4.84		25	1	1	-1.0	0.0	0.0	35	0	0	17.4	3.0	1	0.0	0.0	0.0	10.4	26.1	6.4	0.0	0	0	0.0	20	70	8
59	4.84		30	3	1	-6.7	0.0	0.0	35	3	2	17.4	3.0	1	0.0	-3.5	0.0	10.4	26.1	6.4	0.0	11	14	0.0	20	60	8
2.5	1.00		70	5	1	-7.1	0.0	0.0	35	3	2	17.4	3.0	1	0.0	-7.1	0.0	10.4	26.1	6.4	0.0	22	27	0.0	20	70	8
109	4.84		27	1	1	-0.2	0.0	0.0	26	2	1	3.1	3.1	1	0.0	0.9	0.0	7.9	7.9	0.7	0.0	11	9	0.0	16	21	8
110	4.84		24	3	2	0.4	0.0	0.0	26	4	2	3.1	3.1	1	0.0	0.7	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	237	8
2.5	1.00		24	5	1	0.0	0.0	0.0	26	0	0	3.1	3.1	1	0.0	-0.7	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	21	8
107	4.84		27	1	2	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
154	4.84		24	3	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.2	0.0	8.0	8.0	1.3	0.0	15	16	0.0	20	7	8
2.48	1.00		24	5	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.7	0.0	8.0	8.0	1.3	0.0	22	22	0.0	20	24	8
108	4.84		27	1	1	-0.2	0.0	0.0	26	2	1	3.1	3.1	1	0.0	0.9	0.0	7.9	7.9	0.7	0.0	11	9	0.0	16	21	8
111	4.84		24	3	2	0.4	0.0	0.0	26	4	2	3.1	3.1	1	0.0	0.8	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	237	8
2.5	1.00		24	5	1	0.0	0.0	0.0	26	0	0	3.1	3.1	1	0.0	-0.7	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	21	8
106	4.84		27	1	1	0.0	0.0	0.0	26	0	0	3.1	3.1	1	0.0	0.7	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	21	8
105	4.84		24	3	2	0.4	0.0	0.0	26	4	2	3.1	3.1	1	0.0	-0.8	0.0	7.9	7.9	0.7	0.0	9	8	0.0	16	237	8
2.5	1.00		24	5	1	-0.2	0.0	0.0	26	2	1	3.1	3.1	1	0.0	-0.9	0.0	7.9	7.9	0.7	0.0	11	9	0.0	16	21	8
110	4.84		27	1	2	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
157	4.84		24	3	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.2	0.0	8.0	8.0	1.3	0.0	15	16	0.0	20	7	8
2.48	1.00		24	5	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.7	0.0	8.0	8.0	1.3	0.0	22	22	0.0	20	24	8
107	4.84		27	1	1	0.0	0.0	0.0	26	0	0	3.1	3.1	1	0.0	0.7	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	21	8
104	4.84		24	3	2	0.4	0.0	0.0	26	4	2	3.1	3.1	1	0.0	-0.7	0.0	7.9	7.9	0.7	0.0	9	7	0.0	16	237	8
2.5	1.00		24	5	1	-0.2	0.0	0.0	26	2	1	3.1	3.1	1	0.0	-0.9	0.0	7.9	7.9	0.7	0.0	11	9	0.0	16	21	8
116	4.84		5	1	1	0.3	0.0	0.0	29	1	1	6.8	6.8	1	0.0	1.6	0.0	14.4	8.1	2.5	0.0	12	19	0.0	20	24	8
138	4.84		40	3	1	0.6	0.0	0.0	29	2	1	6.8	6.8	1	0.0	-0.8	0.0	14.4	8.1	2.5	0.0	6	10	0.0	20	172	8
2.5	1.00		24	5	1	-1.9	0.0	0.0	29	7	4	6.8	6.8	1	0.0	-3.3	0.0	14.4	8.1	2.5	0.0	25	41	0.0	20	24	8
24	4.84		5	1	1	-4.4	0.0	0.0	30	17	9	6.8	6.8	1	0.0	4.8	0.0	14.4	8.1	2.5	0.0	36	60	0.0	20	24	8
25	4.84		40	3	1	2.4	0.0	0.0	29	9	5	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	1	0.0	20	522	8
2.5	1.00		24	5	1	-4.5	0.0	0.0	30	17	9	6.8	6.8	1	0.0	-4.8	0.0	14.4	8.1	2.5	0.0	36	60	0.0	20	24	8
151	4.84		27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.4	0.0	8.0	8.0	1.3	0.0	29	29	0.0	20	24	8
106	4.84		24	3	1	-1.1	0.0	0.0	24	12	5	2.3	2.3	1	0.0	1.6	0.0	8.0	8.0	1.3	0.0	19	19	0.0	20	42	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
150	4.84		27	1	1	-1.2	0.0	0.0	24	14	5	2.3	2.3	1	0.0	2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
151	4.84		24	3	1	0.6	0.0	0.0	24	6	2	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00		24	5	1	-1.2	0.0	0.0	24	14	6	2.3	2.3	1	0.0	-2.5	0.0	8.0	8.0	1.3	0.0	32	32	0.0	20	24	8
152	4.84		27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.7	0.0	8.0	8.0	1.3	0.0	34	34	0.0	20	24	8
153	4.84		24	3	1	0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00		24	5	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	-2.7	0.0	8.0	8.0	1.3	0.0	34	34	0.0	20	24	8
153	4.84		27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.7	0.0	8.0	8.0	1.3	0.0	34	34	0.0	20	24	8
150	4.84		24	3	1	0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00		24	5	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	-2.7	0.0	8.0	8.0	1.3	0.0	34	34	0.0	20	24	8
154	4.84		27	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	2.8	0.0	8.0	8.0	1.3	0.0	35	35	0.0	20	24	8
152	4.84		24	3	1	0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	267	8
2.48	1.00		24	5	1	-1.5	0.0	0.0	25	18	7	2.3	2.3	1	0.0	-2.9	0.0	8.0	8.0	1.3	0.0	36	36	0.0	20	24	8
155	4.84		27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.7	0.0	8.0	8.0	1.3	0.0	34	34	0.0	20	24	8
158	4.84		24	3	1	0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00		24	5	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	-2.7	0.0	8.0	8.0	1.3	0.0	34	34	0.0	20	24	8
156	4.84		27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.7	0.0	8.0	8.0	1.3	0.0	34	34	0.0	20	24	8
155	4.84		24	3	1	0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00		24	5	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	-2.7	0.0	8.0	8.0	1.3	0.0	34	34	0.0	20	24	8
157	4.84		27	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	2.8	0.0	8.0	8.0	1.3	0.0	35	35	0.0	20	24	8
156	4.84		24	3	1	0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	267	8
2.48	1.00		24	5	1	-1.5	0.0	0.0	25	18	7	2.3	2.3	1	0.0	-2.9	0.0	8.0	8.0	1.3	0.0	36	36	0.0	20	24	8
158	4.84		27	1	1	-1.2	0.0	0.0	24	14	5	2.3	2.3	1	0.0	2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
159	4.84		24	3	1	0.6	0.0	0.0	24	6	2	2.3	2.3	2	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00		24	5	1	-1.2	0.0	0.0	24	14	6	2.3	2.3	1	0.0	-2.6	0.0	8.0	8.0	1.3	0.0	32	32	0.0	20	24	8
159	4.84		27	1	1	-1.4	0.0	0.0	24	16	6	2.3	2.3	1	0.0	2.4	0.0	8.0	8.0	1.3	0.0	29	29	0.0	20	24	8
111	4.84		24	3	1	-1.1	0.0	0.0	24	12	5	2.3	2.3	1	0.0	1.6	0.0	8.0	8.0	1.3	0.0	19	19	0.0	20	42	8
2.48	1.00		24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
138	4.84		5	1	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8
139	4.84		40	3	1	0.0	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	112	8
2.5	1.00		24	5	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
139	4.84		5	1	1	-1.9	0.0	0.0	29	8	4	6.8	6.8	1	0.0	3.3	0.0	14.4	8.1	2.5	0.0	25	41	0.0	20	24	8
117	4.84		40	3	1	0.6	0.0	0.0	29	2	1	6.8	6.8	1	0.0	0.9	0.0	14.4	8.1	2.5	0.0	7	12	0.0	20	172	8
2.5	1.00		24	5	1	0.3	0.0	0.0	29	1	1	6.8	6.8	1	0.0	-1.6	0.0	14.4	8.1	2.5	0.0	12	19	0.0	20	24	8
167	4.84		33	1	1	-0.7	0.0	0.0	26	2	1	7.7	7.7	1	0.0	0.9	0.0	38.9	13.9	6.4	0.0	3	6	0.0	15	24	8
168	4.84		60	3	1	0.4	0.0	0.0	26	1	1	7.7	7.7	1	0.0	0.0	0.0	38.9	13.9	6.4	0.0	0	0	0.0	15	442	8
2.5	1.00		24	5	2	-0.7	0.0	0.0	26	2	1	7.7	7.7	1	0.0	-0.9	0.0	38.9	13.9	6.4	0.0	3	6	0.0	15	24	8
165	4.84		32	1	1	-0.4	0.2	0.0	25	1	1	7.7	7.7	1	0.2	0.6	0.0	45.9	13.9	7.7	0.0	2	5	0.0	15	24	8
142	4.84		70	3	2	0.1	-0.1	0.0	25	0	0	7.7	7.7	1	0.2	0.1	0.0	45.9	13.9	7.7	0.0	1	1	0.0	15	197	8
2.5	1.00		24	5	2	-0.1	-0.2	0.0	25	0	0	7.7	7.7	2	0.1	-0.4	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
165	4.84		7	1	1	-0.7	0.0	0.0	20	1	0	6.0	4.6	1	0.0	1.7	0.0	25.0	38.9	12.9	0.0	3	4	0.0	15	60	8
167	4.84		40	3	1	-0.7	0.0	0.0	20	1	0	6.0	4.6	1	0.0	0.4	0.0	25.0	38.9	12.9	0.0	1	1	0.0	15	15	8
2.5	1.00		60	5	1	-0.1	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-0.9	0.0	25.0	38.9	12.9	0.0	2	2	0.0	15	60	8
166	4.84		7	1	1	-0.7	0.0	0.0	20	1	0	6.0	4.6	1	0.0	1.7	0.0	25.0	38.9	12.9	0.0	3	4	0.0	15	60	8
168	4.84		40	3	1	-0.7	0.0	0.0	20	1	0	6.0	4.6	1	0.0	0.5	0.0	25.0	38.9	12.9	0.0	1	1	0.0	15	15	8
2.5	1.00		60	5	1	-0.1	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-0.9	0.0	25.0	38.9	12.9	0.0	2	2	0.0	15	60	8
104	4.84		25	1	1	4.5	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-2.9	0.0	10.4	26.1	6.4	0.0	9	11	0.0	20	70	8
28	4.84		30	3	1	-7.5	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-6.3	0.0	30.0	32.2	3.6	0.0	20	11	0.0	9	50	8
2.5	1.00		70	5	1	-7.5	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-9.8	0.0	30.0	32.2	3.6	0.0	30	17	0.0	9	70	8
114	4.84		25	1	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.4	0.0	10.4	26.1	6.4	0.0	1	1	0.0	20	27	8
104	4.84		30	3	1	4.9	0.0	0.0	28	4	2	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00		70	5	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-2.0	0.0	10.4	26.1	6.4	0.0	6	8	0.0	20	27	8
112	4.84		25	1	1	4.4	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.6	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	70	8
19	4.84		30	3	1	-6.3	0.0	0.0	35	3	2	17.4	3.0	1	0.0	-5.3	0.0	30.0	32.2	3.6	0.0	16	9	0.0	9	135	8
2.5	1.00		70	5	1	-9.9	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-11.1	0.0	30.0	32.2	3.6	0.0	34	19	0.0	9	70	8
10	4.84		25	1	1	-9.7	0.0	0.0	35	5	3	16.6	3.0	1	0.0	11.0	0.0	30.0	32.2	3.6	0.0	34	19	0.0	9	70	8
112	4.84		30	3	1	-6.1	0.0	0.0	35	3	2	17.4	3.0	1	0.0	5.0	0.0	30.0	32.2	3.6	0.0	16	9	0.0	9	135	8
2.5	1.00		70	5	1	4.4	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-0.7	0.0	10.4	26.1	6.4	0.0	2	3	0.0	20	70	8
105	4.84		25	1	1	5.0	0.0	0.0	28	4	2	2.3	9.1	1	0.0	2.0	0.0	10.4	26.1	6.4	0.0	6	8	0.0	20	45	8
113	4.84		30	3	1	5.2	0.0	0.0	28	4	2	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00		70	5	1	5.0	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-1.9	0.0	10.4	26.1	6.4	0.0	6	7	0.0	20	45	8
113	4.84		25	1	1	4.8	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-0.4	0.0	10.4	26.1	6.4	0.0	1	1	0.0	20	70	8
10	4.84		30	3	1	-7.2	0.0	0.0	35	3	2	17.4	3.0	1	0.0	-5.8	0.0	30.0	32.2	3.6	0.0	18	10	0.0	9	115	8
2.5	1.00		70	5	1	-10.0	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-11.2	0.0	30.0	32.2	3.6	0.0	35	19	0.0	9	70	8
116	4.84		25	1	1	3.1	0.0	0.0	13	8	1	16.6	3.0	1	0.0	5.2	0.0	17.2	43.2	10.6	0.0	12	12	0.0	9	70	8
30	4.84		30	3	1	4.3	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-1.5	0.0	7.8	19.4	4.8	0.0	4	8	0.0	20	285	8
1.86	1.00		70	5	1	-6.8	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-8.4	0.0	17.2	43.2	10.6	0.0	19	19	0.0	9	70	8
118	4.84		25	1	1	3.0	0.0	0.0	13	7	1	16.6	3.0	1	0.0	3.6	0.0	17.2	43.2	10.6	1.4	8	8	4.5	9	70	8
165	4.84		30	3	1	3.3	0.0	0.0	27	3	1	2.3	9.1	1	0.0	-2.5	0.0	7.8	19.4	4.8	0.0	6	13	0.0	20	250	8
1.86	1.00		70	5	1	-8.4	0.0	0.0	33	5	2	14.3	3.0	1	0.0	-8.5	0.0	17.2	43.2	10.6	0.0	20	20	0.0	9	70	8
117	4.84		25	1	1	3.0	0.0	0.0	13	7	1	16.6	3.0	1	0.0	5.2	0.0	17.2	43.2	10.6	0.0	12	12	0.0	9	70	8
31	4.84		30	3	1	4.3	0.0	0.0	28	4	1	2.3	9.1	1	0.0	-1.5	0.0	7.8	19.4	4.8	0.0	3	8	0.0	20	285	8
1.86	1.00		70	5	1	-6.6	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-8.3	0.0	17.2	43.2	10.6	0.0	19	19	0.0	9	70	8
30	4.84		25	1	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	1	0.0	3.3	-0.9	40.4	43.3	4.8	1.4	26	16	4.5	9	20	8
48	4.84		30	3	1	-1.0	0.0	0.0	32	1	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.8	-0.9	40.4	43.3	4.8	1.4	22	12	4.5	9	20	8
119	4.84		25	1	1	2.9	0.0	0.0	13	7	1	16.6	3.0	1	0.0	3.9	0.0	17.2	43.2	10.6	1.4	9	9	4.5	9	70	8
166	4.84		30	3	1	3.3	0.0	0.0	27	3	1	2.3	9.1	1	0.0	-2.3	0.0	7.8	19.4	4.8	0.0	5	12	0.0	20	250	8
1.86	1.00		70	5	1	-8.2	0.0	0.0	33	5	2	14.3	3.0	1	0.0	-8.5	0.0	17.2	43.2	10.6	0.0	20	20	0.0	9	70	8
108	4.84		25	1	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-2.7	0.0	10.4	26.1	6.4	0.0	9	11	0.0	20	70	8
36	4.84		30	3	1	-6.9	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-6.2	0.0	30.0	32.2	3.6	0.0	19	11	0.0	9	50	8
2.5	1.00		70	5	1	-6.9	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-9.7	0.0	30.0	32.2	3.6	0.0	30	17	0.0	9	70	8
148	4.84		25	1	1	5.1	0.0	0.0	28	4	2	2.3	9.1	1	0.0	2.0	0.0	10.4	26.1	6.4	0.0	6	8	0.0	20	45	8
108	4.84		30	3	1	5.3	0.0	0.0	28	5	2	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00		70	5	1	5.1	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-1.8	0.0	10.4	26.1	6.4	0.0	6	7	0.0	20	45	8
140	4.84		25	1	1	4.4	0.0	0.0	28	4	2	2.3	9.1	1	0.0	0.8	0.0	10.4	26.1	6.4	0.0	3	3	0.0	20	70	8
27	4.84		30	3	1	-5.8	0.0	0.0	35	3	2	17.4	3.0	1	0.0	-5.1	0.0	30.0	32.2	3.6	0.0	16	9	0.0	9	135	8
2.5	1.00		70	5	1	-9.4	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-10.9	0.0	30.0	32.2	3.6	0.0	34	19	0.0	9	70	8
109	4.84		25	1	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	2.1	0.0	10.4	26.1	6.4	0.0	7	8	0.0	20	28	8
144	4.84		30	3	1	4.9	0.0	0.0	28	4	2	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00		70	5	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-0.2	0.0	10.4	26.1	6.4	0.0	1	1	0.0	20	28	8
144	4.84		25	1	1	4.9	0.0	0.0	28	4	2	2.3	9.1	1	0.0	1.2	0.0	10.4	26.1	6.4	0.0	4	5	0.0	20	70	8
18	4.84		30	3	1	5.0	0.0	0.0	12	12	2	17.4	3.0	1	0.0	-4.9	0.0	30.0	32.2	3.6	0.0	15	8	0.0	9	150	8
2.5	1.00		70	5	1	-9.4	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-11.1	0.0	30.0	32.2	3.6	0.0	34	19	0.0	9	70	8
142	4.84		32	1	1	-0.1	-0.2	0.0	25	1	0	7.7	7.7	1	-0.2	0.4	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
166	4.84		70	3	2	0.1	-0.1	0.0	25	0	0	7.7	7.7	1	-0.2	-0.1	0.0	38.3	33.9	4.3	0.0	1	0	0.0	15	197	8
2.5	1.00		24	5	1	-0.3	0.2	0.0	25	1	0	7.7	7.7	1	-0.2	-0.6	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
134	7.46		2	1	1	-0.3	0.0	0.0	20	1	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
129	7.46		30	3	1	-4.1	0.0	0.0	29	10	4	6.2	2.3	1	0.0	-3.2	0.0	10.4	14.4	3.4	0.4	18	22	2.3	20	110	8
2.5	1.00		40	5	1	-6.0	0.0	0.0	29	14	7	6.2	2.3	1	0.0	-6.3	0.0	10.4	14.4	3.4	0.4	36	44	2.3	20	40	8
129	7.46		2	1	1	-0.1	0.0	0.2	20	0	0	6.2	2.3	1	0.0	0.3	0.0	10.4	14.4	3.4	0.0	2	2	0.0	20	40	8
130	5.84		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	162	8
2.5	1.00		40	5	1	-0.1	0.0	-0.2	37	0	0	6.2	2.3	1	0.0	-0.3	0.0	10.4	14.4	3.4	0.0	2	2	0.0	20	40	8
130	5.84		2	1	1	-6.1	0.0	0.0	29	14	7	6.2	2.3	1	0.0	6.4	0.0	10.4	14.4	3.4	0.4	36	44	2.3	20	40	8
135	5.84		30	3	1	-4.1	0.0	0.0	29	10	4	6.2	2.3	1	0.0	3.2	0.0	10.4	14.4	3.4	0.4	18	22	2.3	20	110	8
2.5	1.00		40	5	1	-0.3	0.0	0.0	20	1	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
136	7.46		2	1	1	-0.3	0.0	0.0	20	1	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
132	7.46		30	3	1	-4.1	0.0	0.0	29	10	4	6.2	2.3	1	0.0	-3.2	0.0	10.4	14.4	3.4	0.4	18	22	2.3	20	110	8
2.5	1.00		40	5	1	-6.0	0.0	0.0	29	14	7	6.2	2.3	1	0.0	-6.3	0.0	10.4	14.4	3.4	0.4	36	44	2.3	20	40	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
132	7.46		2	1	1	-0.1	0.0	0.2	20	0	0	6.2	2.3	1	0.0	0.3	0.0	10.4	14.4	3.4	0.0	2	2	0.0	20	40	8
133	5.84		30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	162	8
2.5	1.00		40	5	1	-0.1	0.0	-0.2	37	0	0	6.2	2.3	1	0.0	-0.3	0.0	10.4	14.4	3.4	0.0	2	2	0.0	20	40	8
133	5.84		2	1	1	-6.1	0.0	0.0	29	14	7	6.2	2.3	1	0.0	6.4	0.0	10.4	14.4	3.4	0.4	36	44	2.3	20	40	8
137	5.84		30	3	1	-4.1	0.0	0.0	29	10	4	6.2	2.3	1	0.0	3.2	0.0	10.4	14.4	3.4	0.4	18	22	2.3	20	110	8
2.5	1.00		40	5	1	-0.3	0.0	0.0	20	1	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
64	8.28		25	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-2.1	-0.8	30.0	32.2	3.6	1.1	29	21	4.5	20	45	8
1	8.28		30	3	1	-3.4	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.4	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-5.3	-0.8	30.0	32.2	3.6	1.1	39	15	4.5	9	45	8
10	8.28		25	1	1	-11.0	0.0	0.0	35	5	3	16.6	3.0	1	0.0	11.8	0.0	17.2	43.2	10.6	0.0	27	27	0.0	9	70	8
19	8.28		30	3	1	5.5	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-0.1	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	420	8
1.86	1.00		70	5	1	-11.4	0.0	0.0	35	6	3	16.6	3.0	1	0.0	-12.0	0.0	17.2	43.2	10.6	0.0	28	28	0.0	9	70	8
19	8.28		25	1	1	-11.1	0.0	0.0	35	5	3	16.6	3.0	1	0.0	12.3	0.0	30.0	32.2	3.6	0.0	38	21	0.0	9	70	8
104	8.28		30	3	1	6.6	0.0	0.0	13	16	2	16.6	3.0	1	0.0	4.8	0.0	30.0	32.2	3.6	0.0	15	8	0.0	9	210	8
2.5	1.00		70	5	1	6.5	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-2.6	0.0	10.4	26.1	6.4	0.0	8	10	0.0	20	70	8
65	8.28		25	1	1	-2.7	0.0	0.0	32	1	1	14.3	3.0	1	0.0	-2.1	0.8	30.0	32.2	3.6	1.1	29	21	4.5	20	45	8
2	8.28		30	3	1	-3.4	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.4	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-5.3	0.8	30.0	32.2	3.6	1.1	39	15	4.5	9	45	8
66	8.28		25	1	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	-1.7	-0.5	30.0	32.2	3.6	1.1	20	15	4.5	20	45	8
3	8.28		30	3	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-4.9	-0.5	30.0	32.2	3.6	1.1	30	12	4.5	9	45	8
67	8.28		25	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-4.6	0.0	10.4	26.1	6.4	0.0	14	18	0.0	20	45	8
4	8.28		30	3	1	-6.4	0.0	0.0	33	4	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-6.4	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-9.7	0.0	30.0	32.2	3.6	0.0	30	17	0.0	9	45	8
68	8.28		25	1	1	-4.7	0.0	0.0	32	3	1	14.3	3.0	1	0.0	-4.0	0.0	10.4	26.1	6.4	0.0	12	15	0.0	20	45	8
5	8.28		30	3	1	-5.9	0.0	0.0	32	3	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-5.9	0.0	0.0	32	3	2	14.3	3.0	1	0.0	-9.0	0.0	30.0	32.2	3.6	0.0	28	16	0.0	9	45	8
6	8.28		25	1	1	-10.9	0.0	0.0	33	6	3	14.3	3.0	1	0.0	14.5	0.0	17.2	43.2	10.6	0.0	33	34	0.0	9	70	8
15	8.28		30	3	1	8.0	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-0.8	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	410	8
1.86	1.00		70	5	1	-15.1	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-16.0	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
7	8.28		25	1	1	-9.7	0.0	0.0	32	5	3	14.3	3.0	1	0.0	14.4	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
16	8.28		30	3	1	8.8	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-1.0	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	410	8
1.86	1.00		70	5	1	-15.4	0.0	0.0	35	8	4	16.6	3.0	1	0.0	-16.4	0.0	17.2	43.2	10.6	0.0	38	38	0.0	9	70	8
71	8.28		25	1	1	-2.7	0.0	0.0	32	1	1	14.3	3.0	1	0.0	-2.1	-0.8	30.0	32.2	3.6	1.1	29	21	4.5	20	45	8
8	8.28		30	3	1	-3.4	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.4	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-5.3	-0.8	30.0	32.2	3.6	1.1	40	15	4.5	9	45	8
72	8.28		25	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-2.1	0.8	30.0	32.2	3.6	1.1	29	21	4.5	20	45	8
9	8.28		30	3	1	-3.3	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-3.3	0.0	0.0	32	2	1	14.3	3.0	1	0.0	-5.3	0.8	30.0	32.2	3.6	1.1	39	15	4.5	9	45	8
11	8.28		25	1	1	-15.0	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.9	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
20	8.28		30	3	1	7.3	0.0	0.0	28	6	3	2.3	9.1	1	0.0	0.0	0.0	7.8	19.4	4.8	0.0	0	0	0.0	20	420	8
1.86	1.00		70	5	1	-15.0	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.9	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
12	8.28		25	1	1	-15.5	0.0	0.0	35	8	4	16.6	3.0	1	0.0	16.2	0.0	17.2	43.2	10.6	0.0	37	38	0.0	9	70	8
21	8.28		30	3	1	7.9	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.5	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	420	8
1.86	1.00		70	5	1	-12.8	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-15.3	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
13	8.28		25	1	1	-15.6	0.0	0.0	35	8	4	16.6	3.0	1	0.0	16.3	0.0	17.2	43.2	10.6	0.0	37	38	0.0	9	70	8
22	8.28		30	3	1	7.9	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.5	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	420	8
1.86	1.00		70	5	1	-12.8	0.0	0.0	35	6	4	16.6	3.0	1	0.0	-15.3	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
14	8.28		25	1	1	-15.1	0.0	0.0	35	7	4	16.6	3.0	1	0.0	15.8	0.0	17.2	43.2	10.6	0.0	36	37	0.0	9	70	8
23	8.28		30	3	1	7.2	0.0	0.0	28	6	3	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	420	8
1.86	1.00		70	5	1	-14.5	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.6	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
15	8.28		25	1	1	-15.8	0.0	0.0	35	8	4	16.6	3.0	1	0.0	16.2	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
24	8.28		30	3	1	7.9	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.7	0.0	7.8	19.4	4.8	0.0	2	3	0.0	20	420	8
1.86	1.00		70	5	1	-12.0	0.0	0.0	35	6	3	16.6	3.0	1	0.0	-14.9	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
16	8.28		25	1	1	-15.8	0.0	0.0	35	8	4	16.6	3.0	1	0.0	16.3	0.0	17.2	43.2	10.6	0.0	38	38	0.0	9	70	8
25	8.28		30	3	1	7.9	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.6	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	420	8
1.86	1.00		70	5	1	-12.4	0.0	0.0	35	6	3	16.6	3.0	1	0.0	-15.1	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
17	8.28		25	1	1	-15.7	0.0	0.0	35	8	4	16.6	3.0	1	0.0	16.1	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
26	8.28		30	3	1	7.3	0.0	0.0	28	6	3	2.3	9.1	1	0.0	0.2	0.0	7.8	19.4	4.8	0.0	1	1	0.0	20	420	8
1.86	1.00		70	5	1	-14.3	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-15.6	0.0	17.2	43.2	10.6	0.0	36	36	0.0	9	70	8
18	8.28		25	1	1	-11.6	0.0	0.0	35	6	3	16.6	3.0	1	0.0	12.0	0.0	17.2	43.2	10.6	0.0	28	28	0.0	9	70	8
27	8.28		30	3	1	5.5	0.0	0.0	28	5	2	2.3	9.1	1	0.0	0.1	0.0	7.8	19.4	4.8	0.0	0	1	0.0	20	420	8
1.86	1.00		70	5	1	-10.8	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-11.8	0.0	17.2	43.2	10.6	0.0	27	27	0.0	9	70	8
20	8.28		25	1	1	-14.9	0.0	0.0	35	7	4	16.6	3.0	1	0.0	16.2	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
29	8.28		30	3	1	8.1	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.5	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	410	8
1.86	1.00		70	5	1	-12.0	0.0	0.0	33	7	3	14.3	3.0	1	0.0	-15.1	0.0	17.2	43.2	10.6	0.0	35	35	0.0	9	70	8
21	8.28		25	1	1	-10.8	0.0	0.0	35	5	3	16.6	3.0	1	0.0	13.0	0.0	17.2	43.2	10.6	0.0	30	30	0.0	9	58	8
116	8.28		30	3	1	-10.8	0.0	0.0	35	5	3	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.5	0.0	0.0	12	1	0	16.6	3.0	1	0.0	6.6	0.0	17.2	43.2	10.6	0.0	15	15	0.0	9	58	8
22	8.28		25	1	1	-10.9	0.0	0.0	35	5	3	16.6	3.0	1	0.0	13.1	0.0	17.2	43.2	10.6	0.0	30	30	0.0	9	58	8
117	8.28		30	3	1	-10.9	0.0	0.0	35	5	3	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00		70	5	1	0.4	0.0	0.0	12	1	0	16.6	3.0	1	0.0	6.6	0.0	17.2	43.2	10.6	0.0	15	15	0.0	9	58	8
23	8.28		25	1	1	-14.8	0.0	0.0	35	7	4	16.6	3.0	1	0.0	16.0	0.0	17.2	43.2	10.6	0.0	37	37	0.0	9	70	8
32	8.28		30	3	1	8.1	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.6	0.0	7.8	19.4	4.8	0.0	1	3	0.0	20	410	8
1.86	1.00		70	5	1	-11.5	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-14.8	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
24	8.28		25	1	1	-5.4	0.0	0.0	34	3	1	16.6	3.0	1	0.0	9.4	0.0	17.2	43.2	10.6	1.4	22	22	4.5	9	58	8
118	8.28		30	3	1	-5.4	0.0	0.0	34	3	1	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00		70	5	1	1.8	0.0	0.0	13	4	1	16.6	3.0	1	0.0	3.0	0.0	17.2	43.2	10.6	1.4	7	7	4.5	9	58	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
25	8.28	25	1	1	1	-5.9	0.0	0.0	34	3	2	16.6	3.0	1	0.0	9.7	0.0	17.2	43.2	10.6	1.4	22	22	4.5	9	58	8
119	8.28	30	3	1	1	-5.9	0.0	0.0	34	3	2	16.6	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00	70	5	1	1	1.6	0.0	0.0	13	4	1	16.6	3.0	1	0.0	3.3	0.0	17.2	43.2	10.6	1.4	8	8	4.5	9	58	8
26	8.28	25	1	1	1	-15.2	0.0	0.0	35	7	4	16.6	3.0	1	0.0	16.3	0.0	17.2	43.2	10.6	0.0	38	38	0.0	9	70	8
35	8.28	30	3	1	1	8.2	0.0	0.0	28	7	3	2.3	9.1	1	0.0	0.7	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	410	8
1.86	1.00	70	5	1	1	-11.4	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-14.9	0.0	17.2	43.2	10.6	0.0	34	35	0.0	9	70	8
27	8.28	25	1	1	1	-11.8	0.0	0.0	35	6	3	16.6	3.0	1	0.0	12.5	0.0	30.0	32.2	3.6	0.0	39	22	0.0	9	70	8
108	8.28	30	3	1	1	6.7	0.0	0.0	13	16	3	16.6	3.0	1	0.0	5.1	0.0	30.0	32.2	3.6	0.0	16	9	0.0	9	210	8
2.5	1.00	70	5	1	1	6.6	0.0	0.0	28	6	2	2.3	9.1	1	0.0	-2.3	0.0	10.4	26.1	6.4	0.0	7	9	0.0	20	70	8
64	8.28	5	1	1	1	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
65	8.28	40	3	1	1	2.4	0.0	0.0	32	9	5	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00	24	5	2	2	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
2	8.28	5	1	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
3	8.28	40	3	1	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00	24	5	2	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
66	8.28	5	1	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
67	8.28	40	3	1	1	1.6	0.0	0.0	31	6	4	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	3	4	0.0	20	552	8
2.48	1.00	24	5	2	2	-2.6	0.0	0.0	32	10	6	7.1	3.1	1	0.0	-2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
67	8.28	5	1	2	2	-2.5	0.0	0.0	32	9	6	7.1	3.1	1	0.0	2.2	0.0	23.7	13.3	4.0	0.0	17	17	0.0	12	24	8
68	8.28	40	3	1	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.1	0.0	14.2	8.0	2.4	0.0	1	1	0.0	20	567	8
2.48	1.00	24	5	1	1	-2.0	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
68	8.28	5	1	1	1	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
69	8.28	40	3	1	1	0.9	0.0	0.0	31	3	2	3.1	7.1	1	0.0	-0.1	0.0	14.2	8.0	2.4	0.0	1	1	0.0	20	547	8
2.48	1.00	24	5	2	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
69	8.28	5	1	2	2	-2.5	0.0	0.0	32	9	6	7.1	3.1	1	0.0	2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
70	8.28	40	3	1	1	1.7	0.0	0.0	31	6	4	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	552	8
2.48	1.00	24	5	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
7	8.28	5	1	1	1	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
8	8.28	40	3	2	1	1.0	0.0	0.0	31	4	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	532	8
2.48	1.00	24	5	2	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
71	8.28	5	1	1	1	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
72	8.28	40	3	1	1	2.4	0.0	0.0	32	9	5	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00	24	5	2	2	-0.8	0.0	0.0	31	3	2	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	16	16	0.0	12	24	8
73	8.28	5	1	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
74	8.28	40	3	1	1	1.6	0.0	0.0	31	6	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00	24	5	2	2	-2.9	0.0	0.0	32	11	7	7.1	3.1	1	0.0	-2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
74	8.28	5	1	2	2	-2.9	0.0	0.0	32	11	7	7.1	3.1	1	0.0	2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
75	8.28	40	3	1	1	1.6	0.0	0.0	31	6	4	3.1	7.1	1	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00	24	5	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
76	8.28	5	1	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
77	8.28	40	3	1	1	1.7	0.0	0.0	31	6	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00	24	5	2	2	-2.9	0.0	0.0	32	11	6	7.1	3.1	1	0.0	-2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
77	8.28	5	1	2	2	-2.8	0.0	0.0	32	11	6	7.1	3.1	1	0.0	2.4	0.0	23.7	13.3	4.0	0.0	18	18	0.0	12	24	8
78	8.28	40	3	1	1	1.5	0.0	0.0	31	6	3	3.1	7.1	1	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	547	8
2.48	1.00	24	5	2	2	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
79	8.28	5	1	2	2	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
80	8.28	40	3	1	1	1.6	0.0	0.0	31	6	4	3.1	7.1	1	0.0	-0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	562	8
2.48	1.00	24	5	2	2	-2.9	0.0	0.0	32	11	7	7.1	3.1	1	0.0	-2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
80	8.28	5	1	2	2	-2.9	0.0	0.0	32	11	7	7.1	3.1	1	0.0	2.5	0.0	23.7	13.3	4.0	0.0	19	19	0.0	12	24	8
81	8.28	40	3	1	1	1.6	0.0	0.0	31	6	4	3.1	7.1	1	0.0	0.4	0.0	14.2	8.0	2.4	0.0	3	5	0.0	20	567	8
2.48	1.00	24	5	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
6	8.28	25	1	1	1	-6.3	0.0	0.0	33	4	2	14.3	3.0	1	0.0	9.5	0.0	10.4	26.1	6.4	0.0	29	36	0.0	20	45	8
69	8.28	30	3	1	1	-6.3	0.0	0.0	33	4	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	70	5	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	4.5	0.0	30.0	32.2	3.6	0.0	14	8	0.0	9	45	8
7	8.28	25	1	1	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	4.9	0.5	30.0	32.2	3.6	1.1	30	27	4.5	20	45	8
70	8.28	30	3	1	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	70	5	1	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	1.7	0.5	30.0	32.2	3.6	1.1	20	7	4.5	9	45	8
1	8.28	25	1	1	1	-7.7	0.0	0.0	33	4	2	14.3	3.0	1	0.0	10.4	0.0	30.0	32.2	3.6	0.0	32	18	0.0	9	70	8
105	8.28	30	3	1	1	-7.2	0.0	0.0	33	4	2	14.3	3.0	1	0.0	6.8	0.0	30.0	32.2	3.6	0.0	21	12	0.0	9	60	8
2.5	1.00	70	5	1	1	5.9	0.0	0.0	28	5	2	2.3	9.1	1	0.0	3.2	0.0	10.4	26.1	6.4	0.0	10	12	0.0	20	70	8
2	8.28	25	1	1	1	-10.0	0.0	0.0	32	6	3	14.3	3.0	1	0.0	14.7	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
11	8.28	30	3	1	1	8.9	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-1.0	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	410	8
1.86	1.00	70	5	1	1	-15.4	0.0	0.0	35	8	4	16.6	3.0	1	0.0	-16.6	0.0	17.2	43.2	10.6	0.0	38	39	0.0	9	70	8
3	8.28	25	1	1	1	-9.8	0.0	0.0	32	5	3	14.3	3.0	1	0.0	14.4	0.0	17.2	43.2	10.6	0.0	33	33	0.0	9	70	8
12	8.28	30	3	1	1	8.7	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-1.0	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	410	8
1.86	1.00	70	5	1	1	-15.5	0.0	0.0	35	8	4	16.6	3.0	1	0.0	-16.5	0.0	17.2	43.2	10.6	0.0	38	38	0.0	9	70	8
4	8.28	25	1	1	1	-11.1	0.0	0.0	33	6	3	14.3	3.0	1	0.0	14.7	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
13	8.28	30	3	1	1	8.1	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-0.7	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	410	8
1.86	1.00	70	5	1	1	-15.2	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-16.2	0.0	17.2	43.2	10.6	0.0	37	38	0.0	9	70	8
5	8.28	25	1	1	1	-10.6	0.0	0.0	33	6	3	14.3	3.0	1	0.0	14.6	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
14	8.28	30	3	1	1	8.4	0.0	0.0	28	7	3	2.3	9.1	1	0.0	-0.8	0.0	7.8	19.4	4.8	0.0	2	4	0.0	20	410	8
1.86	1.00	70	5	1	1	-15.0	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-16.2	0.0	17.2	43.2	10.6	0.0	37	38	0.0	9	70	8
8	8.28	25	1	1	1	-10.1	0.0	0.0	32	6	3	14.3	3.0	1	0.0	14.7	0.0	17.2	43.2	10.6	0.0	34	34	0.0	9	70	8
17	8.28	30	3	1	1	8.9	0.0	0.0	28	8	3	2.3	9.1	1	0.0	-0.9	0.0	7.8	19.4	4.8	0.0	2	5	0.0	20	410	8
1.86	1.00	70	5	1	1	-15.2	0.0	0.0	35	7	4	16.6	3.0	1	0.0	-16.5	0.0	17.2	43.2	10.6	0.0	38	38	0.0	9	70	8
9	8.28	25	1	1	1	-8.6	0.0	0.0	33	5	3	14.3	3.0	1	0.0	10.6	0.0	30.0	32.2	3.6	0.0	33	18	0.0	9	70	8
109	8.28	30	3	1	1	-8.0	0.0	0.0	33	5	2	14.3	3.0	1	0.0	7.1	0.0	30.0	32.2	3.6	0.0	22	12	0.0	9	60	8
2.5	1.00	70	5	1	1	5.6	0.0	0.0	28	5	2	2.3	9.1	1	0.0	3.5	0.0	10.4	26.1	6.4	0.0	11	13	0.0	20	70	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
28	8.28	25	1	1	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	4.9	0.0	30.0	32.2	3.6	1.1	15	9	4.5	9	45	8
73	8.28	30	3	1	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	70	5	1	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	1.7	0.0	10.4	26.1	6.4	1.1	5	7	4.5	20	45	8
29	8.28	25	1	1	1	-6.8	0.0	0.0	33	4	2	14.3	3.0	1	0.0	10.1	0.0	30.0	32.2	3.6	0.0	31	17	0.0	9	45	8
74	8.28	30	3	1	1	-6.8	0.0	0.0	33	4	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	70	5	2	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	5.0	0.0	10.4	26.1	6.4	0.0	16	19	0.0	20	45	8
30	8.28	25	1	1	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	4.9	0.0	30.0	32.2	3.6	1.1	15	9	4.5	9	45	8
75	8.28	30	3	1	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	70	5	1	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	1.7	0.0	10.4	26.1	6.4	1.1	5	7	4.5	20	45	8
31	8.28	25	1	1	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	5.0	0.5	30.0	32.2	3.6	1.1	30	12	4.5	9	45	8
76	8.28	30	3	1	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	70	5	1	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	1.7	0.5	30.0	32.2	3.6	1.1	20	15	4.5	20	45	8
32	8.28	25	1	1	1	-6.7	0.0	0.0	33	4	2	14.3	3.0	1	0.0	10.0	0.0	30.0	32.2	3.6	0.0	31	17	0.0	9	45	8
77	8.28	30	3	1	1	-6.7	0.0	0.0	33	4	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	70	5	1	1	-5.4	0.0	0.0	32	3	2	14.3	3.0	1	0.0	4.9	0.0	10.4	26.1	6.4	0.0	15	19	0.0	20	45	8
33	8.28	25	1	1	1	-2.9	0.0	0.0	32	2	1	14.3	3.0	1	0.0	4.8	0.0	30.0	32.2	3.6	1.1	15	8	4.5	9	45	8
78	8.28	30	3	1	1	-2.9	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	70	5	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.7	0.0	10.4	26.1	6.4	1.1	5	6	4.5	20	45	8
34	8.28	25	1	1	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	4.9	0.0	30.0	32.2	3.6	1.1	15	8	4.5	9	45	8
79	8.28	30	3	1	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	70	5	1	1	0.0	0.0	0.0	13	0	0	14.3	3.0	1	0.0	1.7	0.0	10.4	26.1	6.4	1.1	5	7	4.5	20	45	8
35	8.28	25	1	1	1	-6.8	0.0	0.0	33	4	2	14.3	3.0	1	0.0	10.1	0.0	30.0	32.2	3.6	0.5	31	17	2.3	9	45	8
80	8.28	30	3	1	1	-6.8	0.0	0.0	33	4	2	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0	0	2.3	9	0	8
2.5	1.00	70	5	1	1	-5.5	0.0	0.0	32	3	2	14.3	3.0	1	0.0	5.0	0.0	10.4	26.1	6.4	0.5	15	19	2.3	20	45	8
36	8.28	25	1	1	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	1	0.0	4.9	-0.5	30.0	32.2	3.6	1.1	30	12	4.5	9	45	8
81	8.28	30	3	1	1	-3.0	0.0	0.0	32	2	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	70	5	1	1	-2.4	0.0	0.0	32	1	1	14.3	3.0	1	0.0	1.7	-0.5	30.0	32.2	3.6	1.1	20	15	4.5	20	45	8
116	8.28	5	1	1	1	0.4	0.0	0.0	29	1	1	6.8	6.8	1	0.0	1.3	0.0	14.4	8.1	2.5	0.0	10	17	0.0	20	24	8
138	8.28	40	3	1	1	0.5	0.0	0.0	29	2	1	6.8	6.8	1	0.0	-1.0	0.0	14.4	8.1	2.5	0.0	8	13	0.0	20	172	8
2.5	1.00	24	5	1	1	-2.3	0.0	0.0	29	9	5	6.8	6.8	1	0.0	-3.5	0.0	14.4	8.1	2.5	0.0	26	43	0.0	20	24	8
24	8.28	5	1	1	1	-4.4	0.0	0.0	30	17	9	6.8	6.8	1	0.0	4.8	0.0	14.4	8.1	2.5	0.0	36	59	0.0	20	24	8
25	8.28	40	3	1	1	2.4	0.0	0.0	29	9	5	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	522	8
2.5	1.00	24	5	1	1	-4.4	0.0	0.0	30	17	9	6.8	6.8	1	0.0	-4.8	0.0	14.4	8.1	2.5	0.0	36	59	0.0	20	24	8
107	8.28	27	1	1	1	-0.2	0.0	0.0	24	2	1	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
154	8.28	24	3	1	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.2	0.0	8.0	8.0	1.3	0.0	15	15	0.0	20	7	8
2.48	1.00	24	5	1	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.7	0.0	8.0	8.0	1.3	0.0	21	21	0.0	20	24	8
108	8.28	27	1	2	1	-0.1	0.0	0.0	23	1	0	2.3	2.3	1	0.0	0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
111	8.28	24	3	1	1	0.5	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00	24	5	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
109	8.28	27	1	2	2	0.0	0.0	0.0	23	1	0	2.3	2.3	2	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
110	8.28	24	3	1	1	0.5	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00	24	5	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
106	8.28	27	1	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
105	8.28	24	3	1	1	0.5	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	230	8
2.48	1.00	24	5	2	1	-0.1	0.0	0.0	23	1	0	2.3	2.3	1	0.0	-0.8	0.0	8.0	8.0	1.3	0.0	10	10	0.0	20	24	8
110	8.28	27	1	1	1	-0.2	0.0	0.0	24	2	1	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
157	8.28	24	3	1	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.2	0.0	8.0	8.0	1.3	0.0	15	15	0.0	20	7	8
2.48	1.00	24	5	1	1	-0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-1.7	0.0	8.0	8.0	1.3	0.0	21	21	0.0	20	24	8
107	8.28	27	1	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
104	8.28	24	3	1	1	0.5	0.0	0.0	24	5	2	2.3	2.3	2	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00	24	5	2	1	0.0	0.0	0.0	23	0	0	2.3	2.3	2	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
151	8.28	27	1	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	2.3	0.0	8.0	8.0	1.3	0.0	28	28	0.0	20	24	8
106	8.28	24	3	1	1	-1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	1.5	0.0	8.0	8.0	1.3	0.0	19	19	0.0	20	42	8
2.48	1.00	24	5	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
150	8.28	27	1	1	1	-1.2	0.0	0.0	24	14	5	2.3	2.3	1	0.0	2.4	0.0	8.0	8.0	1.3	0.0	30	30	0.0	20	24	8
151	8.28	24	3	1	1	0.5	0.0	0.0	24	5	2	2.3	2.3	2	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00	24	5	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	-2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
152	8.28	27	1	1	1	-1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	2.7	0.0	8.0	8.0	1.3	0.0	33	34	0.0	20	24	8
153	8.28	24	3	1	1	0.6	0.0	0.0	24	7	2	2.3	2.3	1	0.0	0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	252	8
2.48	1.00	24	5	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	-2.5	0.0	8.0	8.0	1.3	0.0	32	32	0.0	20	24	8
153	8.28	27	1	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	2.7	0.0	8.0	8.0	1.3	0.0	33	33	0.0	20	24	8
150	8.28	24	3	1	1	0.7	0.0	0.0	24	8	3	2.3	2.3	2	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00	24	5	1	1	-1.2	0.0	0.0	24	14	5	2.3	2.3	1	0.0	-2.6	0.0	8.0	8.0	1.3	0.0	32	32	0.0	20	24	8
154	8.28	27	1	1	1	-0.8	0.0	0.0	24	9	3	2.3	2.3	1	0.0	2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
152	8.28	24	3	1	1	1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	-0.2	0.0	8.0	8.0	1.3	0.0	2	2	0.0	20	267	8
2.48	1.00	24	5	1	1	-1.5	0.0	0.0	25	18	7	2.3	2.3	1	0.0	-3.0	0.0	8.0	8.0	1.3	0.0	37	37	0.0	20	24	8
155	8.28	27	1	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	2.7	0.0	8.0	8.0	1.3	0.0	33	33	0.0	20	24	8
158	8.28	24	3	1	1	0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00	24	5	1	1	-1.2	0.0	0.0	24	14	5	2.3	2.3	1	0.0	-2.6	0.0	8.0	8.0	1.3	0.0	32	32	0.0	20	24	8
156	8.28	27	1	1	1	-1.5	0.0	0.0	24	17	7	2.3	2.3	1	0.0	2.7	0.0	8.0	8.0	1.3	0.0	34	34	0.0	20	24	8
155	8.28	24	3	1	1	0.6	0.0	0.0	24	7	2	2.3	2.3	1	0.0	0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	252	8
2.48	1.00	24	5	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	-2.5	0.0	8.0	8.0	1.3	0.0	32	32	0.0	20	24	8
157	8.28	27	1	1	1	-0.8	0.0	0.0	24	9	3	2.3	2.3	1	0.0	2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8
156	8.28	24	3	1	1	1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	-0.2	0.0	8.0	8.0	1.3	0.0	2	2	0.0	20	267	8
2.48	1.00	24	5	1	1	-1.5	0.0	0.0	25	18	7	2.3	2.3	1	0.0	-3.0	0.0	8.0	8.0	1.3	0.0	37	37	0.0	20	24	8
158	8.28	27	1	1	1	-1.2	0.0	0.0	24	14	5	2.3	2.3	1	0.0	2.4	0.0	8.0	8.0	1.3	0.0	30	30	0.0	20	24	8
159	8.28	24	3	1	1	0.5	0.0	0.0	24	5	2	2.3	2.3	2	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00	24	5	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	-2.5	0.0	8.0	8.0	1.3	0.0	31	31	0.0	20	24	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
159	8.28	27	1	1	-1.3	0.0	0.0	24	15	6	2.3	2.3	1	0.0	2.3	0.0	8.0	8.0	1.3	0.0	28	28	0.0	20	24	8
111	8.28	24	3	1	-1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	1.5	0.0	8.0	8.0	1.3	0.0	19	19	0.0	20	42	8
2.48	1.00	24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	9	9	0.0	20	24	8
138	8.28	5	1	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8
139	8.28	40	3	1	0.0	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	112	8
2.5	1.00	24	5	1	-0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	-0.2	0.0	14.4	8.1	2.5	0.0	1	2	0.0	20	24	8
139	8.28	5	1	1	-2.3	0.0	0.0	29	9	5	6.8	6.8	1	0.0	3.5	0.0	14.4	8.1	2.5	0.0	26	43	0.0	20	24	8
117	8.28	40	3	1	0.5	0.0	0.0	29	2	1	6.8	6.8	1	0.0	1.1	0.0	14.4	8.1	2.5	0.0	9	14	0.0	20	172	8
2.5	1.00	24	5	1	0.4	0.0	0.0	29	1	1	6.8	6.8	1	0.0	-1.3	0.0	14.4	8.1	2.5	0.0	10	17	0.0	20	24	8
165	8.28	7	1	2	0.3	0.0	0.0	18	1	0	6.0	4.6	1	0.0	1.1	0.0	25.0	38.9	12.9	0.0	2	3	0.0	15	60	8
167	8.28	40	3	2	0.3	0.0	0.0	18	1	0	6.0	4.6	2	0.0	-0.2	0.0	25.0	38.9	12.9	0.0	0	0	0.0	15	15	8
2.5	1.00	60	5	1	-0.3	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-1.5	0.0	25.0	38.9	12.9	0.0	3	4	0.0	15	60	8
167	8.28	33	1	1	-0.7	0.0	0.0	26	2	1	7.7	7.7	1	0.0	0.9	0.0	38.9	13.9	6.4	0.0	3	6	0.0	15	24	8
168	8.28	60	3	2	0.4	0.0	0.0	26	1	1	7.7	7.7	1	0.0	0.0	0.0	38.9	13.9	6.4	0.0	0	0	0.0	15	442	8
2.5	1.00	24	5	2	-0.7	0.0	0.0	26	3	1	7.7	7.7	1	0.0	-0.9	0.0	38.9	13.9	6.4	0.0	3	6	0.0	15	24	8
165	8.28	32	1	1	-0.3	0.3	0.0	25	1	1	7.7	7.7	1	0.2	0.6	0.0	45.9	13.9	7.7	0.0	2	4	0.0	15	24	8
142	8.28	70	3	2	0.1	-0.2	0.0	25	0	0	7.7	7.7	1	0.2	0.1	0.0	38.3	33.9	4.3	0.0	1	1	0.0	15	197	8
2.5	1.00	24	5	2	-0.1	-0.2	0.0	25	0	0	7.7	7.7	1	0.2	-0.4	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
166	8.28	7	1	1	-0.2	0.0	0.0	20	0	0	6.0	4.6	1	0.0	1.2	0.0	25.0	38.9	12.9	0.0	2	3	0.0	15	60	8
168	8.28	40	3	2	0.2	0.0	0.0	18	0	0	6.0	4.6	2	0.0	-0.1	0.0	25.0	38.9	12.9	0.0	0	0	0.0	15	15	8
2.5	1.00	60	5	1	-0.2	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-1.3	0.0	25.0	38.9	12.9	0.0	2	3	0.0	15	60	8
105	8.28	25	1	1	6.5	0.0	0.0	28	6	2	2.3	9.1	1	0.0	2.5	0.0	10.4	26.1	6.4	0.0	8	9	0.0	20	70	8
10	8.28	30	3	1	6.6	0.0	0.0	13	16	2	16.6	3.0	1	0.0	-5.0	0.0	30.0	32.2	3.6	0.0	15	9	0.0	9	210	8
2.5	1.00	70	5	1	-11.5	0.0	0.0	35	6	3	16.6	3.0	1	0.0	-12.4	0.0	30.0	32.2	3.6	0.0	38	21	0.0	9	70	8
104	8.28	25	1	1	5.8	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-3.3	0.0	10.4	26.1	6.4	0.0	10	13	0.0	20	70	8
28	8.28	30	3	1	-7.6	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-6.9	0.0	30.0	32.2	3.6	0.0	21	12	0.0	9	60	8
2.5	1.00	70	5	1	-8.1	0.0	0.0	33	5	2	14.3	3.0	1	0.0	-10.5	0.0	30.0	32.2	3.6	0.0	33	18	0.0	9	70	8
116	8.28	25	1	1	3.3	0.0	0.0	13	8	1	16.6	3.0	1	0.0	5.2	0.0	17.2	43.2	10.6	0.0	12	12	0.0	9	70	8
30	8.28	30	3	1	4.5	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-1.6	0.0	7.8	19.4	4.8	0.0	4	8	0.0	20	295	8
1.86	1.00	70	5	1	-7.3	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-8.7	0.0	17.2	43.2	10.6	0.0	20	20	0.0	9	70	8
117	8.28	25	1	1	3.3	0.0	0.0	13	8	1	16.6	3.0	1	0.0	5.3	0.0	17.2	43.2	10.6	0.0	12	12	0.0	9	70	8
31	8.28	30	3	1	4.5	0.0	0.0	28	4	2	2.3	9.1	1	0.0	-1.6	0.0	7.8	19.4	4.8	0.0	4	8	0.0	20	295	8
1.86	1.00	70	5	1	-7.1	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-8.6	0.0	17.2	43.2	10.6	0.0	20	20	0.0	9	70	8
118	8.28	25	1	1	3.1	0.0	0.0	13	8	1	16.6	3.0	1	0.0	3.0	0.0	17.2	43.2	10.6	1.4	7	7	4.5	9	70	8
165	8.28	30	3	1	3.2	0.0	0.0	27	3	1	2.3	9.1	1	0.0	-3.0	0.0	7.8	19.4	4.8	0.0	7	16	0.0	20	250	8
1.86	1.00	70	5	1	-10.0	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-9.1	0.0	17.2	43.2	10.6	0.0	21	21	0.0	9	70	8
119	8.28	25	1	1	3.1	0.0	0.0	13	8	1	16.6	3.0	1	0.0	3.3	0.0	17.2	43.2	10.6	1.4	8	8	4.5	9	70	8
166	8.28	30	3	1	3.3	0.0	0.0	27	3	1	2.3	9.1	1	0.0	-2.9	0.0	7.8	19.4	4.8	0.0	7	15	0.0	20	250	8
1.86	1.00	70	5	1	-9.8	0.0	0.0	33	6	3	14.3	3.0	1	0.0	-9.1	0.0	17.2	43.2	10.6	0.0	21	21	0.0	9	70	8
142	8.28	32	1	1	-0.1	-0.2	0.0	25	0	0	7.7	7.7	1	-0.2	0.4	0.0	34.8	10.7	6.2	0.0	3	4	0.0	15	24	8
166	8.28	70	3	2	0.1	-0.2	0.0	25	0	0	7.7	7.7	1	-0.2	-0.1	0.0	25.8	23.2	2.7	0.0	1	1	0.0	15	197	8
2.5	1.00	24	5	1	-0.3	0.2	0.0	25	1	0	7.7	7.7	1	-0.2	-0.6	0.0	34.8	10.7	6.2	0.0	3	5	0.0	15	24	8
108	8.28	25	1	1	6.1	0.0	0.0	28	5	2	2.3	9.1	1	0.0	-3.1	0.0	10.4	26.1	6.4	0.0	10	12	0.0	20	70	8
36	8.28	30	3	1	-6.8	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-6.7	0.0	30.0	32.2	3.6	0.0	21	11	0.0	9	60	8
2.5	1.00	70	5	1	-7.3	0.0	0.0	33	4	2	14.3	3.0	1	0.0	-10.2	0.0	30.0	32.2	3.6	0.0	32	18	0.0	9	70	8
109	8.28	25	1	1	6.4	0.0	0.0	28	6	2	2.3	9.1	1	0.0	2.7	0.0	10.4	26.1	6.4	0.0	9	11	0.0	20	70	8
18	8.28	30	3	1	6.5	0.0	0.0	13	16	2	16.6	3.0	1	0.0	-4.7	0.0	30.0	32.2	3.6	0.0	15	8	0.0	9	210	8
2.5	1.00	70	5	1	-10.9	0.0	0.0	35	5	3	16.6	3.0	1	0.0	-12.1	0.0	30.0	32.2	3.6	0.0	38	21	0.0	9	70	8
134	10.86	2	1	1	-0.3	0.0	0.0	19	1	0	3.0	5.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
129	10.86	30	3	1	-4.1	0.0	0.0	29	10	4	6.2	2.3	1	0.0	-3.2	0.0	10.4	14.4	3.4	0.4	18	22	2.3	20	110	8
2.5	1.00	40	5	1	-6.0	0.0	0.0	29	14	7	6.2	2.3	1	0.0	-6.3	0.0	10.4	14.4	3.4	0.4	36	44	2.3	20	40	8
129	10.86	2	1	1	-0.1	0.0	0.3	19	0	0	6.2	2.3	1	0.0	0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
130	9.14	30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	169	8
2.5	1.00	40	5	1	-0.1	0.0	-0.3	38	0	0	6.2	2.3	1	0.0	-0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
130	9.14	2	1	1	-6.0	0.0	0.0	29	14	7	6.2	2.3	1	0.0	6.3	0.0	10.4	14.4	3.4	0.4	36	44	2.3	20	40	8
135	9.14	30	3	1	-4.1	0.0	0.0	29	10	4	6.2	2.3	1	0.0	3.2	0.0	10.4	14.4	3.4	0.4	18	22	2.3	20	110	8
2.5	1.00	40	5	1	-0.3	0.0	0.0	19	1	0	3.0	5.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
136	10.86	2	1	1	-0.3	0.0	0.0	19	1	0	3.0	5.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
132	10.86	30	3	1	-3.6	0.0	0.0	29	8	4	6.2	2.3	1	0.0	-2.8	0.0	10.4	14.4	3.4	0.4	16	19	2.3	20	110	8
2.5	1.00	40	5	1	-5.3	0.0	0.0	29	12	6	6.2	2.3	1	0.0	-5.6	0.0	10.4	14.4	3.4	0.4	31	39	2.3	20	40	8
132	10.86	2	1	1	-0.1	0.0	0.3	19	0	0	6.2	2.3	1	0.0	0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
133	9.14	30	3	1	0.1	0.0	0.0	18	0	0	3.0	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	169	8
2.5	1.00	40	5	1	-0.1	0.0	-0.3	38	0	0	6.2	2.3	1	0.0	-0.3	0.0	10.4	14.4	3.4	0.4	2	2	2.3	20	40	8
133	9.14	2	1	1	-6.0	0.0	0.0	29	14	7	6.2	2.3	1	0.0	6.3	0.0	10.4	14.4	3.4	0.4	36	44	2.3	20	40	8
137	9.14	30	3	1	-4.1	0.0	0.0	29	10	4	6.2	2.3	1	0.0	3.2	0.0	10.4	14.4	3.4	0.4	18	22	2.3	20	110	8
2.5	1.00	40	5	1	-0.3	0.0	0.0	19	1	0	3.0	5.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	40	8
82	11.72	25	1	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	-1.7	0.0	10.4	26.1	6.3	1.1	5	7	4.5	20	65	8
1	11.72	30	3	1	-4.4	0.0	0.0	24	4	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	70	5	1	-4.4	0.0	0.0	33	2	1	15.1	3.1	1	0.0	-5.1	0.0	29.9	32.2	3.6	1.1	16	9	4.5	9	65	8
10	11.72	25	1	1	-8.0	0.0	0.0	36	4	2	18.2	3.1	1	0.0	8.4	0.0	17.2	43.1	10.4	0.0	19	19	0.0	9	70	8
19	11.72	30	3	1	3.9	0.0	0.0	27	3	1	3.1	9.1	1	0.0	-0.1	0.0	7.7	19.4	4.7	0.0	0	1	0.0	20	430	8
1.86	1.00	70	5	1	-8.3	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-8.5	0.0	17.2	43.1	10.4	0.0	20	20	0.0	9	70	8
19	11.72	25	1	1	-8.1	0.0	0.0	36	4	2	18.2	3.1	1	0.0	8.9	0.0	29.9	32.2	3.6	0.0	28	15	0.0	9	70	8
104	11.72	30	3	1	5.2	0.0	0.0	12	13	2	18.2	3.1	1	0.0	3.6	0.0	29.9	32.2	3.6	0.0	11	6	0.0	9	215	8
2.5	1.00	70	5	1	5.2	0.0	0.0	27	4	2	3.1	9.1	1	0.0	-1.6	0.0	10.4	26.1	6.3	0.0	5	6	0.0	20	70	8
83	11.72	25	1	1	-1.9	0.0	0.0	24	2	1	9.1	9.1	1	0.0	-1.7	0.5	29.9	32.2	3.6	1.1	20	15	4.5	20	65	8
2	11.72	30	3	1	-4.4	0.0	0.0	24	4	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	70	5	1	-4.4	0.0	0.0	33	2	1	15.1	3.1	1	0.0	-5.1	0.5	29.9	32.2	3.6	1.1	30	13	4.5	9	65	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
84	11.72	1	25	1	1	-1.7	0.0	0.0	24	1	0	9.1	9.1	1	0.0	-1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
3	11.72	3	30	3	1	-4.0	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	5	70	5	1	-4.0	0.0	0.0	33	2	1	15.1	3.1	1	0.0	-4.7	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
85	11.72	1	25	1	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	-3.7	0.0	10.4	26.1	6.3	0.0	12	14	0.0	20	65	8
4	11.72	3	30	3	1	-8.1	0.0	0.0	25	7	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	5	70	5	1	-8.1	0.0	0.0	33	4	2	15.1	3.1	1	0.0	-8.8	0.0	29.9	32.2	3.6	0.0	27	15	0.0	9	65	8
86	11.72	1	25	1	1	-3.4	0.0	0.0	24	3	1	9.1	9.1	1	0.0	-3.2	0.0	10.4	26.1	6.3	0.0	10	12	0.0	20	65	8
5	11.72	3	30	3	1	-7.5	0.0	0.0	25	6	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	5	70	5	1	-7.5	0.0	0.0	33	4	2	15.1	3.1	1	0.0	-8.3	0.0	29.9	32.2	3.6	0.0	26	14	0.0	9	65	8
6	11.72	1	25	1	1	-9.2	0.0	0.0	33	5	3	15.1	3.1	1	0.0	10.5	0.0	17.2	43.1	10.4	0.0	24	24	0.0	9	70	8
15	11.72	3	30	3	1	5.3	0.0	0.0	27	5	2	3.1	9.1	2	0.0	-0.4	0.0	7.7	19.4	4.7	0.0	1	2	0.0	20	425	8
1.86	1.00	5	70	5	1	-10.6	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.0	0.0	17.2	43.1	10.4	0.0	25	26	0.0	9	70	8
7	11.72	1	25	1	1	-6.2	0.0	0.0	33	3	2	15.1	3.1	1	0.0	10.0	0.0	17.2	43.1	10.4	0.0	23	23	0.0	9	70	8
16	11.72	3	30	3	1	6.8	0.0	0.0	27	6	2	3.1	9.1	2	0.0	-1.0	0.0	7.7	19.4	4.7	0.0	2	5	0.0	20	425	8
1.86	1.00	5	70	5	1	-11.2	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.8	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
89	11.72	1	25	1	1	-1.9	0.0	0.0	24	2	1	9.1	9.1	1	0.0	-1.7	-0.5	29.9	32.2	3.6	1.1	20	15	4.5	20	65	8
8	11.72	3	30	3	1	-4.4	0.0	0.0	24	4	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	5	70	5	1	-4.4	0.0	0.0	33	2	1	15.1	3.1	1	0.0	-5.1	-0.5	29.9	32.2	3.6	1.1	31	13	4.5	9	65	8
90	11.72	1	25	1	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	-1.7	0.0	10.4	26.1	6.3	1.1	5	7	4.5	20	65	8
9	11.72	3	30	3	1	-4.4	0.0	0.0	24	4	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	5	70	5	1	-4.4	0.0	0.0	33	2	1	15.1	3.1	1	0.0	-5.1	0.0	29.9	32.2	3.6	1.1	16	9	4.5	9	65	8
11	11.72	1	25	1	1	-10.9	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.2	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
20	11.72	3	30	3	1	5.2	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.0	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	430	8
1.86	1.00	5	70	5	1	-10.4	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.1	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
12	11.72	1	25	1	1	-11.1	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.3	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
21	11.72	3	30	3	1	5.5	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.2	0.0	7.7	19.4	4.7	0.0	1	1	0.0	20	430	8
1.86	1.00	5	70	5	1	-9.4	0.0	0.0	36	4	3	18.2	3.1	1	0.0	-10.7	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
13	11.72	1	25	1	1	-10.8	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.4	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
22	11.72	3	30	3	1	5.8	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.2	0.0	7.7	19.4	4.7	0.0	1	1	0.0	20	430	8
1.86	1.00	5	70	5	1	-8.9	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-10.7	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
14	11.72	1	25	1	1	-10.5	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.0	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
23	11.72	3	30	3	1	5.3	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.0	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	430	8
1.86	1.00	5	70	5	1	-10.2	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-10.9	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
15	11.72	1	25	1	1	-11.0	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.3	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
24	11.72	3	30	3	1	5.9	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.4	0.0	7.7	19.4	4.7	0.0	1	2	0.0	20	430	8
1.86	1.00	5	70	5	1	-8.3	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-10.4	0.0	17.2	43.1	10.4	0.0	24	24	0.0	9	70	8
16	11.72	1	25	1	1	-11.5	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.5	0.0	17.2	43.1	10.4	0.0	26	27	0.0	9	70	8
25	11.72	3	30	3	1	5.7	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.4	0.0	7.7	19.4	4.7	0.0	1	2	0.0	20	430	8
1.86	1.00	5	70	5	1	-8.5	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-10.5	0.0	17.2	43.1	10.4	0.0	24	24	0.0	9	70	8
17	11.72	1	25	1	1	-11.2	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.3	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
26	11.72	3	30	3	1	5.2	0.0	0.0	27	4	2	3.1	9.1	1	0.0	0.1	0.0	7.7	19.4	4.7	0.0	0	1	0.0	20	430	8
1.86	1.00	5	70	5	1	-10.0	0.0	0.0	36	4	3	18.2	3.1	1	0.0	-10.9	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
18	11.72	1	25	1	1	-8.3	0.0	0.0	36	4	2	18.2	3.1	1	0.0	8.5	0.0	17.2	43.1	10.4	0.0	20	20	0.0	9	70	8
27	11.72	3	30	3	1	3.9	0.0	0.0	27	3	1	3.1	9.1	1	0.0	0.0	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	430	8
1.86	1.00	5	70	5	1	-8.0	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-8.4	0.0	17.2	43.1	10.4	0.0	19	19	0.0	9	70	8
20	11.72	1	25	1	1	-10.2	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.1	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
29	11.72	3	30	3	1	5.6	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.0	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	425	8
1.86	1.00	5	70	5	1	-9.7	0.0	0.0	33	5	3	15.1	3.1	1	0.0	-11.0	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
21	11.72	1	25	1	1	-8.8	0.0	0.0	36	4	2	18.2	3.1	1	0.0	10.8	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	60	8
116	11.72	3	30	3	1	-8.8	0.0	0.0	36	4	2	18.2	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	5	70	5	1	1.4	0.0	0.0	12	3	0	18.2	3.1	1	0.0	6.2	0.0	17.2	43.1	10.4	0.0	14	14	0.0	9	60	8
22	11.72	1	25	1	1	-8.4	0.0	0.0	36	4	2	18.2	3.1	1	0.0	9.4	0.0	17.2	43.1	10.4	0.0	22	22	0.0	9	60	8
117	11.72	3	30	3	1	-8.4	0.0	0.0	36	4	2	18.2	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	5	70	5	1	0.1	0.0	0.0	12	0	0	18.2	3.1	1	0.0	4.8	0.0	17.2	43.1	10.4	0.0	11	11	0.0	9	60	8
23	11.72	1	25	1	1	-10.3	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.0	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
32	11.72	3	30	3	1	5.6	0.0	0.0	27	5	2	3.1	9.1	1	0.0	0.1	0.0	7.7	19.4	4.7	0.0	0	0	0.0	20	425	8
1.86	1.00	5	70	5	1	-9.4	0.0	0.0	33	5	3	15.1	3.1	1	0.0	-10.7	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
24	11.72	1	25	2	2	-2.9	0.0	0.0	35	1	1	18.2	3.1	1	0.0	6.6	0.0	17.2	43.1	10.4	1.4	15	15	4.5	9	60	8
118	11.72	3	30	3	2	-2.9	0.0	0.0	35	1	1	18.2	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0	0	4.5	9	0	8
1.86	1.00	5	70	5	1	2.4	0.0	0.0	12	6	1	18.2	3.1	2	0.0	2.1	0.0	17.2	43.1	10.4	1.4	5	5	4.5	9	60	8
25	11.72	1	25	2	2	-3.2	0.0	0.0	35	1	1	18.2	3.1	1	0.0	6.8	0.0	17.2	43.1	10.4	0.0	16	16	0.0	9	60	8
119	11.72	3	30	3	2	-3.2	0.0	0.0	35	1	1	18.2	3.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	5	70	5	1	2.3	0.0	0.0	12	6	1	18.2	3.1	2	0.0	2.2	0.0	17.2	43.1	10.4	0.0	5	5	0.0	9	60	8
26	11.72	1	25	1	1	-10.4	0.0	0.0	36	5	3	18.2	3.1	1	0.0	11.2	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
35	11.72	3	30	3	1	5.7	0.0	0.0	27	5	2	3.1	9.1	2	0.0	0.1	0.0	7.7	19.4	4.7	0.0	0	1	0.0	20	425	8
1.86	1.00	5	70	5	1	-9.3	0.0	0.0	33	5	3	15.1	3.1	1	0.0	-10.8	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
27	11.72	1	25	1	1	-8.5	0.0	0.0	36	4	2	18.2	3.1	1	0.0	9.0	0.0	29.9	32.2	3.6	0.0	28	16	0.0	9	70	8
108	11.72	3	30	3	1	5.3	0.0	0.0	12	13	2	18.2	3.1	1	0.0	3.8	0.0	29.9	32.2	3.6	0.0	12	7	0.0	9	215	8
2.5	1.00	5	70	5	1	5.2	0.0	0.0	27	5	2	3.1	9.1	1	0.0	-1.4	0.0	10.4	26.1	6.3	0.0	5	6	0.0	20	70	8
82	11.72	1	5	1	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
83	11.72	3	40	3	2	2.1	0.0	0.0	32	8	5	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00	5	24	5	2	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
2	11.72	1	5	1	1	-1.6	0.0	0.0	31	6	3	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
3	11.72	3	40	3	1	0.9	0.0	0.0	31	3	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	537	8
2.48	1.00	5	24	5	2	-1.5	0.0	0.0	31	5	3	7.1	3.1	1	0.0	-1.6	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
84	11.72	1	5	1	1	-0.4	0.0	0.0	31	1	1	7.1	3.1	1	0.0	1.4	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
85	11.72	3	40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	552	8
2.48	1.00	5	24	5	2	-2.1	0.0	0.0	32	8	5	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
85	11.72		5	1	2	-2.0	0.0	0.0	31	8	4	7.1	3.1	1	0.0	1.8	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
86	11.72		40	3	1	0.8	0.0	0.0	31	3	2	3.1	7.1	1	0.0	0.1	0.0	14.2	8.0	2.4	0.0	1	1	0.0	20	567	8
2.48	1.00		24	5	1	-1.6	0.0	0.0	31	6	3	7.1	3.1	1	0.0	-1.6	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
86	11.72		5	1	1	-1.6	0.0	0.0	31	6	3	7.1	3.1	1	0.0	1.6	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
87	11.72		40	3	1	0.7	0.0	0.0	31	3	2	3.1	7.1	1	0.0	-0.1	0.0	14.2	8.0	2.4	0.0	0	1	0.0	20	547	8
2.48	1.00		24	5	2	-1.9	0.0	0.0	31	7	4	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
87	11.72		5	1	2	-2.0	0.0	0.0	31	8	4	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
88	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	2	3	0.0	20	552	8
2.48	1.00		24	5	2	-0.4	0.0	0.0	31	1	1	7.1	3.1	1	0.0	-1.4	0.0	23.7	13.3	4.0	0.0	10	11	0.0	12	24	8
7	11.72		5	1	1	-1.5	0.0	0.0	31	6	3	7.1	3.1	1	0.0	1.6	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
8	11.72		40	3	1	0.9	0.0	0.0	31	3	2	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	532	8
2.48	1.00		24	5	2	-1.5	0.0	0.0	31	5	3	7.1	3.1	1	0.0	-1.6	0.0	23.7	13.3	4.0	0.0	12	12	0.0	12	24	8
89	11.72		5	1	2	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
90	11.72		40	3	1	2.1	0.0	0.0	32	8	5	3.1	7.1	1	0.0	0.0	0.0	14.2	8.0	2.4	0.0	0	0	0.0	20	567	8
2.48	1.00		24	5	1	-0.5	0.0	0.0	31	2	1	7.1	3.1	1	0.0	-1.7	0.0	23.7	13.3	4.0	0.0	13	13	0.0	12	24	8
91	11.72		5	1	1	-0.3	0.0	0.0	31	1	1	7.1	3.1	1	0.0	1.4	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
92	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	567	8
2.48	1.00		24	5	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.1	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
92	11.72		5	1	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	2	0.0	2.1	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
93	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	3	4	0.0	20	567	8
2.48	1.00		24	5	1	-0.3	0.0	0.0	31	1	1	7.1	3.1	1	0.0	-1.4	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
94	11.72		5	1	1	-0.3	0.0	0.0	31	1	1	7.1	3.1	1	0.0	1.4	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
95	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	2	4	0.0	20	567	8
2.48	1.00		24	5	2	-2.3	0.0	0.0	32	9	5	7.1	3.1	2	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
95	11.72		5	1	2	-2.3	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
96	11.72		40	3	1	1.3	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	3	4	0.0	20	547	8
2.48	1.00		24	5	1	-0.3	0.0	0.0	31	1	1	7.1	3.1	1	0.0	-1.3	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
97	11.72		5	1	1	-0.3	0.0	0.0	31	1	1	7.1	3.1	1	0.0	1.4	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
98	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	-0.3	0.0	14.2	8.0	2.4	0.0	3	4	0.0	20	562	8
2.48	1.00		24	5	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	-2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
98	11.72		5	1	2	-2.4	0.0	0.0	32	9	5	7.1	3.1	1	0.0	2.0	0.0	23.7	13.3	4.0	0.0	15	15	0.0	12	24	8
99	11.72		40	3	1	1.4	0.0	0.0	31	5	3	3.1	7.1	1	0.0	0.3	0.0	14.2	8.0	2.4	0.0	3	4	0.0	20	567	8
2.48	1.00		24	5	1	-0.3	0.0	0.0	31	1	1	7.1	3.1	1	0.0	-1.4	0.0	23.7	13.3	4.0	0.0	10	10	0.0	12	24	8
87	11.72		25	1	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	-3.7	0.0	10.4	26.1	6.3	0.0	11	14	0.0	20	65	8
6	11.72		30	3	1	-8.0	0.0	0.0	25	7	2	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	-8.0	0.0	0.0	33	4	2	15.1	3.1	1	0.0	-8.6	0.0	29.9	32.2	3.6	0.0	27	15	0.0	9	65	8
88	11.72		25	1	1	-1.7	0.0	0.0	24	1	0	9.1	9.1	1	0.0	-1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
7	11.72		30	3	1	-4.0	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-4.0	0.0	0.0	33	2	1	15.1	3.1	1	0.0	-4.7	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
1	11.72		25	1	1	-5.6	0.0	0.0	33	3	2	15.1	3.1	1	0.0	7.7	0.0	29.9	32.2	3.6	0.0	24	13	0.0	9	70	8
105	11.72		30	3	1	-4.8	0.0	0.0	33	3	1	15.1	3.1	1	0.0	5.0	0.0	29.9	32.2	3.6	0.0	15	9	0.0	9	70	8
2.5	1.00		70	5	1	4.8	0.0	0.0	27	4	2	3.1	9.1	1	0.0	2.2	0.0	10.4	26.1	6.3	0.0	7	9	0.0	20	70	8
2	11.72		25	1	1	-6.3	0.0	0.0	33	3	2	15.1	3.1	1	0.0	10.2	0.0	17.2	43.1	10.4	0.0	24	24	0.0	9	70	8
11	11.72		30	3	1	7.0	0.0	0.0	27	6	2	3.1	9.1	1	0.0	-0.9	0.0	7.7	19.4	4.7	0.0	2	5	0.0	20	425	8
1.86	1.00		70	5	1	-11.1	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.9	0.0	17.2	43.1	10.4	0.0	27	28	0.0	9	70	8
3	11.72		25	1	1	-6.0	0.0	0.0	33	3	2	15.1	3.1	1	0.0	10.0	0.0	17.2	43.1	10.4	0.0	23	23	0.0	9	70	8
12	11.72		30	3	1	6.9	0.0	0.0	27	6	2	3.1	9.1	2	0.0	-1.0	0.0	7.7	19.4	4.7	0.0	2	5	0.0	20	425	8
1.86	1.00		70	5	1	-11.1	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.8	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
4	11.72		25	1	1	-9.2	0.0	0.0	33	5	3	15.1	3.1	1	0.0	10.7	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
13	11.72		30	3	1	5.5	0.0	0.0	27	5	2	3.1	9.1	2	0.0	-0.4	0.0	7.7	19.4	4.7	0.0	1	2	0.0	20	425	8
1.86	1.00		70	5	1	-10.6	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.2	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
5	11.72		25	1	1	-8.9	0.0	0.0	33	5	3	15.1	3.1	1	0.0	10.6	0.0	17.2	43.1	10.4	0.0	25	25	0.0	9	70	8
14	11.72		30	3	1	5.7	0.0	0.0	27	5	2	3.1	9.1	1	0.0	-0.4	0.0	7.7	19.4	4.7	0.0	1	2	0.0	20	425	8
1.86	1.00		70	5	1	-10.4	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.2	0.0	17.2	43.1	10.4	0.0	26	26	0.0	9	70	8
8	11.72		25	1	1	-6.7	0.0	0.0	33	4	2	15.1	3.1	1	0.0	10.3	0.0	17.2	43.1	10.4	0.0	24	24	0.0	9	70	8
17	11.72		30	3	1	6.8	0.0	0.0	27	6	2	3.1	9.1	1	0.0	-0.8	0.0	7.7	19.4	4.7	0.0	2	4	0.0	20	425	8
1.86	1.00		70	5	1	-10.9	0.0	0.0	36	5	3	18.2	3.1	1	0.0	-11.7	0.0	17.2	43.1	10.4	0.0	27	27	0.0	9	70	8
9	11.72		25	1	1	-6.2	0.0	0.0	33	3	2	15.1	3.1	1	0.0	7.8	0.0	29.9	32.2	3.6	0.0	24	13	0.0	9	70	8
109	11.72		30	3	1	-5.4	0.0	0.0	33	3	2	15.1	3.1	1	0.0	5.1	0.0	29.9	32.2	3.6	0.0	16	9	0.0	9	70	8
2.5	1.00		70	5	1	4.5	0.0	0.0	27	4	2	3.1	9.1	1	0.0	2.4	0.0	10.4	26.1	6.3	0.0	7	9	0.0	20	70	8
28	11.72		25	1	1	-4.0	0.0	0.0	33	2	1	15.1	3.1	1	0.0	4.7	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
91	11.72		30	3	1	-4.0	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-1.7	0.0	0.0	24	1	0	9.1	9.1	1	0.0	1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
29	11.72		25	1	1	-8.6	0.0	0.0	33	5	2	15.1	3.1	1	0.0	9.2	0.0	29.9	32.2	3.6	0.0	29	16	0.0	9	65	8
92	11.72		30	3	1	-8.6	0.0	0.0	25	7	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	1	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	4.1	0.0	10.4	26.1	6.3	0.0	13	16	0.0	20	65	8
30	11.72		25	1	1	-4.0	0.0	0.0	33	2	1	15.1	3.1	1	0.0	4.7	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
93	11.72		30	3	1	-4.0	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-1.7	0.0	0.0	24	1	0	9.1	9.1	1	0.0	1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
31	11.72		25	1	1	-4.0	0.0	0.0	33	2	1	15.1	3.1	1	0.0	4.7	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
94	11.72		30	3	1	-4.0	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-1.7	0.0	0.0	24	1	0	9.1	9.1	1	0.0	1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
32	11.72		25	1	1	-8.5	0.0	0.0	33	5	2	15.1	3.1	1	0.0	9.0	0.0	29.9	32.2	3.6	0.0	28	16	0.0	9	65	8
95	11.72		30	3	1	-8.5	0.0	0.0	25	7	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00		70	5	2	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	4.0	0.0	10.4	26.1	6.3	0.0	13	15	0.0	20	65	8
33	11.72		25	1	1	-3.9	0.0	0.0	33	2	1	15.1	3.1	1	0.0	4.6	0.0	29.9	32.2	3.6	1.1	14	8	4.5	9	65	8
96	11.72		30	3	1	-3.9	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00		70	5	1	-1.6	0.0	0.0	24	1	0	9.1	9.1	1	0.0	1.3	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
34	11.72	25	1	1	-3.9	0.0	0.0	33	2	1	15.1	3.1	1	0.0	4.7	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
97	11.72	30	3	1	-3.9	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	70	5	1	-1.7	0.0	0.0	24	1	0	9.1	9.1	1	0.0	1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
35	11.72	25	1	1	-8.6	0.0	0.0	33	5	2	15.1	3.1	1	0.0	9.1	0.0	29.9	32.2	3.6	0.0	28	16	0.0	9	65	8
98	11.72	30	3	1	-8.6	0.0	0.0	25	7	3	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	70	5	2	0.0	0.0	0.0	24	0	0	9.1	9.1	1	0.0	4.1	0.0	10.4	26.1	6.3	0.0	13	16	0.0	20	65	8
36	11.72	25	1	1	-4.0	0.0	0.0	33	2	1	15.1	3.1	1	0.0	4.7	0.0	29.9	32.2	3.6	1.1	15	8	4.5	9	65	8
99	11.72	30	3	1	-4.0	0.0	0.0	24	3	1	9.1	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0	0	4.5	9	0	8
2.5	1.00	70	5	1	-1.7	0.0	0.0	24	1	0	9.1	9.1	1	0.0	1.4	0.0	10.4	26.1	6.3	1.1	4	5	4.5	20	65	8
109	11.72	27	1	2	-0.1	0.0	0.0	23	1	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
110	11.72	24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00	24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
107	11.72	27	1	1	-0.2	0.0	0.0	24	2	1	2.3	2.3	1	0.0	-0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
154	11.72	24	3	1	-0.5	0.0	0.0	24	6	2	2.3	2.3	1	0.0	-1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	7	8
2.48	1.00	24	5	1	-0.5	0.0	0.0	24	6	2	2.3	2.3	1	0.0	-1.3	0.0	8.0	8.0	1.3	0.0	16	17	0.0	20	24	8
108	11.72	27	1	2	-0.1	0.0	0.0	23	1	0	2.3	2.3	1	0.0	0.7	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
111	11.72	24	3	1	0.4	0.0	0.0	24	4	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00	24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
116	11.72	5	1	1	0.4	0.0	0.0	29	2	1	6.8	6.8	1	0.0	1.6	0.0	14.4	8.1	2.5	0.0	12	20	0.0	20	24	8
138	11.72	40	3	1	-0.6	0.0	0.0	29	3	1	6.8	6.8	1	0.0	-1.2	0.0	14.4	8.1	2.5	0.0	9	15	0.0	20	172	8
2.5	1.00	24	5	1	-2.8	0.0	0.0	30	11	6	6.8	6.8	1	0.0	-4.2	0.0	14.4	8.1	2.5	0.0	32	52	0.0	20	24	8
24	11.72	5	1	1	-4.3	0.0	0.0	30	17	9	6.8	6.8	1	0.0	4.7	0.0	14.4	8.1	2.5	0.0	35	58	0.0	20	24	8
25	11.72	40	3	1	2.4	0.0	0.0	29	9	5	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	522	8
2.5	1.00	24	5	1	-4.3	0.0	0.0	30	17	9	6.8	6.8	1	0.0	-4.7	0.0	14.4	8.1	2.5	0.0	35	58	0.0	20	24	8
106	11.72	27	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
105	11.72	24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	2	0.0	0.0	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	230	8
2.48	1.00	24	5	2	-0.1	0.0	0.0	23	1	0	2.3	2.3	1	0.0	-0.7	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
110	11.72	27	1	1	-0.2	0.0	0.0	24	2	1	2.3	2.3	1	0.0	-0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
157	11.72	24	3	1	-0.5	0.0	0.0	24	6	2	2.3	2.3	1	0.0	-1.0	0.0	8.0	8.0	1.3	0.0	12	12	0.0	20	7	8
2.48	1.00	24	5	1	-0.5	0.0	0.0	24	6	2	2.3	2.3	1	0.0	-1.3	0.0	8.0	8.0	1.3	0.0	16	16	0.0	20	24	8
107	11.72	27	1	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
104	11.72	24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	2	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	230	8
2.48	1.00	24	5	2	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	-0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
151	11.72	27	1	1	-1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	1.7	0.0	8.0	8.0	1.3	0.0	22	22	0.0	20	24	8
106	11.72	24	3	1	-0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	1.2	0.0	8.0	8.0	1.3	0.0	15	15	0.0	20	42	8
2.48	1.00	24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
150	11.72	27	1	1	-0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	1.7	0.0	8.0	8.0	1.3	0.0	21	21	0.0	20	24	8
151	11.72	24	3	1	0.3	0.0	0.0	24	3	1	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00	24	5	1	-1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	-1.8	0.0	8.0	8.0	1.3	0.0	23	23	0.0	20	24	8
152	11.72	27	1	1	-1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	1.9	0.0	8.0	8.0	1.3	0.0	24	24	0.0	20	24	8
153	11.72	24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00	24	5	1	-0.9	0.0	0.0	24	11	4	2.3	2.3	1	0.0	-1.8	0.0	8.0	8.0	1.3	0.0	23	23	0.0	20	24	8
153	11.72	27	1	1	-0.9	0.0	0.0	24	11	4	2.3	2.3	1	0.0	1.9	0.0	8.0	8.0	1.3	0.0	24	24	0.0	20	24	8
150	11.72	24	3	1	0.5	0.0	0.0	24	6	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00	24	5	1	-0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	-1.8	0.0	8.0	8.0	1.3	0.0	23	23	0.0	20	24	8
154	11.72	27	1	1	-0.6	0.0	0.0	24	7	3	2.3	2.3	1	0.0	1.8	0.0	8.0	8.0	1.3	0.0	23	23	0.0	20	24	8
152	11.72	24	3	1	0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	267	8
2.48	1.00	24	5	1	-1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	-2.1	0.0	8.0	8.0	1.3	0.0	26	26	0.0	20	24	8
155	11.72	27	1	1	-0.9	0.0	0.0	24	11	4	2.3	2.3	1	0.0	1.9	0.0	8.0	8.0	1.3	0.0	24	24	0.0	20	24	8
158	11.72	24	3	1	0.5	0.0	0.0	24	6	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00	24	5	1	-0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	-1.8	0.0	8.0	8.0	1.3	0.0	23	23	0.0	20	24	8
156	11.72	27	1	1	-1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	1.9	0.0	8.0	8.0	1.3	0.0	24	24	0.0	20	24	8
155	11.72	24	3	1	0.4	0.0	0.0	24	5	2	2.3	2.3	1	0.0	0.0	0.0	8.0	8.0	1.3	0.0	0	0	0.0	20	252	8
2.48	1.00	24	5	1	-0.9	0.0	0.0	24	11	4	2.3	2.3	1	0.0	-1.8	0.0	8.0	8.0	1.3	0.0	23	23	0.0	20	24	8
157	11.72	27	1	1	-0.6	0.0	0.0	24	7	3	2.3	2.3	1	0.0	1.8	0.0	8.0	8.0	1.3	0.0	23	23	0.0	20	24	8
156	11.72	24	3	1	0.7	0.0	0.0	24	8	3	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	267	8
2.48	1.00	24	5	1	-1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	-2.1	0.0	8.0	8.0	1.3	0.0	26	26	0.0	20	24	8
158	11.72	27	1	1	-0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	1.7	0.0	8.0	8.0	1.3	0.0	21	21	0.0	20	24	8
159	11.72	24	3	1	0.3	0.0	0.0	24	3	1	2.3	2.3	1	0.0	-0.1	0.0	8.0	8.0	1.3	0.0	1	1	0.0	20	232	8
2.48	1.00	24	5	1	-1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	-1.8	0.0	8.0	8.0	1.3	0.0	23	23	0.0	20	24	8
159	11.72	27	1	1	-1.0	0.0	0.0	24	12	5	2.3	2.3	1	0.0	1.7	0.0	8.0	8.0	1.3	0.0	22	22	0.0	20	24	8
111	11.72	24	3	1	-0.8	0.0	0.0	24	9	4	2.3	2.3	1	0.0	1.2	0.0	8.0	8.0	1.3	0.0	15	15	0.0	20	42	8
2.48	1.00	24	5	1	0.0	0.0	0.0	23	0	0	2.3	2.3	1	0.0	0.6	0.0	8.0	8.0	1.3	0.0	8	8	0.0	20	24	8
138	11.72	5	1	1	-0.1	0.0	0.0	29	1	0	6.8	6.8	1	0.0	0.6	0.0	14.4	8.1	2.5	0.0	4	7	0.0	20	24	8
139	11.72	40	3	1	0.1	0.0	0.0	29	0	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	112	8
2.5	1.00	24	5	1	-0.1	0.0	0.0	29	1	0	6.8	6.8	1	0.0	-0.6	0.0	14.4	8.1	2.5	0.0	4	7	0.0	20	24	8
139	11.72	5	1	1	-1.6	0.0	0.0	29	6	3	6.8	6.8	1	0.0	1.6	0.0	14.4	8.1	2.5	0.0	12	19	0.0	20	24	8
117	11.72	40	3	1	-0.8	0.0	0.0	29	3	1	6.8	6.8	1	0.0	0.8	0.0	14.4	8.1	2.5	0.0	6	10	0.0	20	172	8
2.5	1.00	24	5	1	0.1	0.0	0.0	29	1	0	6.8	6.8	1	0.0	0.0	0.0	14.4	8.1	2.5	0.0	0	0	0.0	20	24	8
165	11.72	32	1	2	-0.5	0.5	0.0	25	2	1	7.7	7.7	1	0.4	0.7	0.0	45.9	13.9	7.7	0.0	3	5	0.0	15	24	8
142	11.72	70	3	2	0.1	-0.4	0.0	25	0	0	7.7	7.7	1	0.4	0.2	0.0	38.3	33.9	4.3	0.0	2	1	0.0	15	197	8
2.5	1.00	24	5	1	-0.1	-0.5	0.0	25	0	0	7.7	7.7	1	0.4	-0.4	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
165	11.72	7	1	1	-0.9	0.0	0.0	20	1	0	6.0	4.6	1	0.0	1.9	0.0	25.0	38.9	12.9	0.0	3	5	0.0	15	60	8
167	11.72	40	3	1	-0.9	0.0	0.0	20	1	0	6.0	4.6	1	0.0	0.6	0.0	25.0	38.9	12.9	0.0	1	2	0.0	15	15	8
2.5	1.00	60	5	1	-0.2	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-0.7	0.0	25.0	38.9	12.9	0.0	1	2	0.0	15	60	8
166	11.72	7	1	1	-1.1	0.0	0.0	20	2	0	6.0	4.6	1	0.0	2.0	0.0	25.0	38.9	12.9	0.0	4	5	0.0	15	60	8
168	11.72	40	3	1	-1.1	0.0	0.0	20	2	0	6.0	4.6	1	0.0	0.8	0.0	25.0	38.9	12.9	0.0	1	2	0.0	15	15	8
2.5	1.00	60	5	2	-0.2	0.0	0.0	26	0	0	10.1	4.6	1	0.0	-0.5	0.0	25.0	38.9	12.9	0.0	1	1	0.0	15	60	8

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
167	11.72		33	1	1	-0.6	0.0	0.0	26	2	1	7.7	7.7	1	0.0	0.9	0.0	38.9	13.9	6.4	0.0	3	6	0.0	15	24	8
168	11.72		60	3	1	0.4	0.0	0.0	26	1	1	7.7	7.7	1	0.0	0.0	0.0	38.9	13.9	6.4	0.0	0	0	0.0	15	442	8
2.5	1.00		24	5	2	-0.7	0.0	0.0	26	2	1	7.7	7.7	1	0.0	-0.9	0.0	38.9	13.9	6.4	0.0	3	6	0.0	15	24	8
104	11.72		25	1	1	4.8	0.0	0.0	27	4	2	3.1	9.1	1	0.0	-2.3	0.0	10.4	26.1	6.3	0.0	7	9	0.0	20	70	8
28	11.72		30	3	1	-4.9	0.0	0.0	33	3	1	15.1	3.1	1	0.0	-5.0	0.0	29.9	32.2	3.6	0.0	15	9	0.0	9	70	8
2.5	1.00		70	5	1	-5.7	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-7.7	0.0	29.9	32.2	3.6	0.0	24	13	0.0	9	70	8
105	11.72		25	1	1	5.1	0.0	0.0	27	4	2	3.1	9.1	1	0.0	1.6	0.0	10.4	26.1	6.3	0.0	5	6	0.0	20	70	8
10	11.72		30	3	1	5.1	0.0	0.0	12	13	2	18.2	3.1	1	0.0	-3.7	0.0	29.9	32.2	3.6	0.0	11	6	0.0	9	215	8
2.5	1.00		70	5	1	-8.3	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-8.9	0.0	29.9	32.2	3.6	0.0	28	15	0.0	9	70	8
116	11.72		25	1	1	3.7	0.0	0.0	12	9	1	18.2	3.1	1	0.0	4.5	0.0	17.2	43.1	10.4	0.0	10	11	0.0	9	70	8
30	11.72		30	3	1	4.8	0.0	0.0	27	4	2	3.1	9.1	1	0.0	-1.5	0.0	7.7	19.4	4.7	0.0	3	8	0.0	20	305	8
1.86	1.00		70	5	1	-5.7	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-7.5	0.0	17.2	43.1	10.4	0.0	17	18	0.0	9	70	8
118	11.72		25	1	1	3.2	0.0	0.0	12	8	1	18.2	3.1	2	0.0	2.1	0.0	17.2	43.1	10.4	1.4	5	5	4.5	9	70	8
165	11.72		30	3	1	-4.0	0.0	0.0	15	10	2	3.1	9.1	1	0.0	-3.2	0.0	7.7	19.4	4.7	0.0	7	16	0.0	20	250	8
1.86	1.00		70	5	1	-10.0	0.0	0.0	33	5	3	15.1	3.1	1	0.0	-8.4	0.0	17.2	43.1	10.4	0.0	19	19	0.0	9	70	8
117	11.72		25	1	1	2.9	0.0	0.0	12	7	1	18.2	3.1	1	0.0	4.8	0.0	17.2	43.1	10.4	0.0	11	11	0.0	9	70	8
31	11.72		30	3	1	4.3	0.0	0.0	27	4	1	3.1	9.1	1	0.0	-1.3	0.0	7.7	19.4	4.7	0.0	3	6	0.0	20	305	8
1.86	1.00		70	5	1	-5.5	0.0	0.0	33	3	2	15.1	3.1	1	0.0	-7.3	0.0	17.2	43.1	10.4	0.0	17	17	0.0	9	70	8
119	11.72		25	1	1	3.2	0.0	0.0	12	8	1	18.2	3.1	2	0.0	2.2	0.0	17.2	43.1	10.4	1.4	5	5	4.5	9	70	8
166	11.72		30	3	1	3.2	0.0	0.0	27	3	1	3.1	9.1	1	0.0	-3.1	0.0	7.7	19.4	4.7	0.0	7	16	0.0	20	250	8
1.86	1.00		70	5	1	-9.7	0.0	0.0	33	5	3	15.1	3.1	1	0.0	-8.4	0.0	17.2	43.1	10.4	0.0	19	19	0.0	9	70	8
108	11.72		25	1	1	5.0	0.0	0.0	27	4	2	3.1	9.1	1	0.0	-2.1	0.0	10.4	26.1	6.3	0.0	7	8	0.0	20	70	8
36	11.72		30	3	1	4.8	0.0	0.0	13	12	2	15.1	3.1	1	0.0	-4.8	0.0	29.9	32.2	3.6	0.0	15	8	0.0	9	70	8
2.5	1.00		70	5	1	-5.1	0.0	0.0	33	3	1	15.1	3.1	1	0.0	-7.5	0.0	29.9	32.2	3.6	0.0	23	13	0.0	9	70	8
109	11.72		25	1	1	5.0	0.0	0.0	27	4	2	3.1	9.1	1	0.0	1.8	0.0	10.4	26.1	6.3	0.0	5	7	0.0	20	70	8
18	11.72		30	3	1	5.0	0.0	0.0	12	12	2	18.2	3.1	1	0.0	-3.5	0.0	29.9	32.2	3.6	0.0	11	6	0.0	9	215	8
2.5	1.00		70	5	1	-7.9	0.0	0.0	36	4	2	18.2	3.1	1	0.0	-8.7	0.0	29.9	32.2	3.6	0.0	27	15	0.0	9	70	8
142	11.72		32	1	1	-0.1	-0.5	0.0	25	0	0	7.7	7.7	1	-0.4	0.3	0.0	45.9	13.9	7.7	0.0	2	3	0.0	15	24	8
166	11.72		70	3	2	0.1	-0.4	0.0	25	0	0	7.7	7.7	1	-0.4	-0.2	0.0	38.3	33.9	4.3	0.0	2	1	0.0	15	197	8
2.5	1.00		24	5	2	-0.5	0.5	0.0	25	2	1	7.7	7.7	2	-0.4	-0.7	0.0	45.9	13.9	7.7	0.0	3	5	0.0	15	24	8
21	14.22		3	1	1	-2.8	0.0	-1.8	35	3	2	10.2	3.1	1	0.0	4.9	0.0	10.4	18.2	4.3	0.0	21	27	0.0	20	50	8
22	14.22		30	3	1	4.1	0.0	-1.8	30	6	3	3.1	7.1	1	0.0	0.0	0.0	10.4	18.2	4.3	0.0	0	0	0.0	20	470	8
2.5	1.00		50	5	1	-2.8	0.0	-1.8	35	3	2	10.2	3.1	1	0.0	-4.9	0.0	10.4	18.2	4.3	0.0	21	26	0.0	20	50	8
24	14.22		3	1	1	-3.3	0.0	-2.6	36	3	2	10.2	3.1	1	0.0	4.9	0.0	10.4	18.2	4.3	0.0	21	27	0.0	20	50	8
25	14.22		30	3	1	3.6	0.0	-2.6	31	5	3	3.1	7.1	1	0.0	0.0	0.0	10.4	18.2	4.3	0.0	0	0	0.0	20	470	8
2.5	1.00		50	5	1	-3.3	0.0	-2.6	36	3	2	10.2	3.1	1	0.0	-4.9	0.0	10.4	18.2	4.3	0.0	21	27	0.0	20	50	8
134	13.42		2	1	1	0.0	-0.1	0.0	19	0	0	6.2	2.3	1	-0.2	-0.4	0.0	17.2	17.7	1.9	0.4	4	3	2.3	20	40	8
129	13.42		30	3	1	-2.6	0.2	0.0	29	6	3	6.2	2.3	1	-0.2	-2.0	0.0	10.4	14.4	3.4	0.4	13	14	2.3	20	110	8
2.5	1.00		40	5	1	-3.7	0.3	0.0	29	9	4	6.2	2.3	1	-0.2	-3.5	0.0	10.4	14.4	3.4	0.4	21	25	2.3	20	40	8
136	13.42		26	1	1	-0.1	0.1	-0.3	29	1	0	2.3	2.3	1	0.0	0.4	0.0	10.4	8.1	1.7	0.0	4	5	0.0	20	24	8
24	14.22		30	3	1	0.4	0.1	-0.2	23	4	1	2.3	2.3	2	0.0	-0.1	0.0	10.3	10.0	1.0	0.0	1	1	0.0	20	468	8
2.5	1.00		24	5	2	-0.4	0.0	-0.1	22	5	2	2.3	2.3	1	0.0	-0.5	0.0	10.4	8.1	1.7	0.0	6	7	0.0	20	24	8
134	13.42		26	1	1	-0.1	0.2	-0.3	30	1	0	2.3	2.3	1	0.0	0.4	0.0	10.4	8.1	1.7	0.0	4	5	0.0	20	24	8
21	14.22		30	3	1	0.4	0.1	-0.2	23	4	1	2.3	2.3	1	0.0	-0.1	0.0	10.3	10.0	1.0	0.0	1	1	0.0	20	468	8
2.5	1.00		24	5	2	-0.4	0.0	-0.2	22	5	2	2.3	2.3	1	0.0	-0.5	0.0	10.4	8.1	1.7	0.0	6	7	0.0	20	24	8
135	13.42		26	1	1	-0.1	-0.1	-0.3	31	0	0	2.3	2.3	1	0.0	0.4	0.0	10.4	8.1	1.7	0.0	4	5	0.0	20	24	8
22	14.22		30	3	1	0.3	-0.1	-0.3	23	4	1	2.3	2.3	2	0.0	-0.1	0.0	10.3	10.0	1.0	0.0	1	1	0.0	20	468	8
2.5	1.00		24	5	2	-0.5	0.0	-0.2	22	5	2	2.3	2.3	1	0.0	-0.5	0.0	10.4	8.1	1.7	0.0	6	7	0.0	20	24	8
136	13.42		2	1	1	0.0	-0.1	0.0	19	0	0	6.2	2.3	1	-0.2	-0.4	0.0	17.2	17.7	1.9	0.4	4	3	2.3	20	40	8
132	13.42		30	3	1	-2.6	0.2	0.0	29	6	3	6.2	2.3	1	-0.2	-2.0	0.0	10.4	14.4	3.4	0.4	12	14	2.3	20	110	8
2.5	1.00		40	5	1	-3.7	0.2	0.0	29	9	4	6.2	2.3	1	-0.2	-3.5	0.0	10.4	14.4	3.4	0.4	21	25	2.3	20	40	8
137	13.42		26	1	1	-0.1	-0.1	-0.3	30	1	0	2.3	2.3	1	0.0	0.4	0.0	10.4	8.1	1.7	0.0	4	5	0.0	20	24	8
25	14.22		30	3	1	0.3	-0.1	-0.2	23	4	1	2.3	2.3	1	0.0	-0.1	0.0	10.3	10.0	1.0	0.0	1	1	0.0	20	468	8
2.5	1.00		24	5	2	-0.5	0.0	-0.1	22	5	2	2.3	2.3	2	0.0	-0.5	0.0	10.4	8.1	1.7	0.0	6	7	0.0	20	24	8
129	13.42		2	1	1	-0.4	0.0	0.0	28	1	0	6.2	2.3	1	0.0	1.5	0.0	10.4	14.4	3.4	0.4	8	10	2.3	20	40	8
130	13.42		30	3	1	0.2	0.0	0.0	17	1	0	6.2	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	100	8
2.5	1.00		40	5	1	-0.4	0.0	0.0	28	1	0	6.2	2.3	1	0.0	-1.5	0.0	10.4	14.4	3.4	0.4	8	10	2.3	20	40	8
132	13.42		2	1	1	-0.4	0.0	0.0	28	1	0	6.2	2.3	1	0.0	1.5	0.0	10.4	14.4	3.4	0.4	8	10	2.3	20	40	8
133	13.42		30	3	1	0.2	0.0	0.0	17	1	0	6.2	2.3	1	0.0	0.0	0.0	10.4	14.4	3.4	0.4	0	0	2.3	20	100	8
2.5	1.00		40	5	1	-0.4	0.0	0.0	28	1	0	6.2	2.3	1	0.0	-1.5	0.0	10.4	14.4	3.4	0.4	8	10	2.3	20	40	8
130	13.42		2	1	1	-3.7	0.4	0.0	29	9	4	6.2	2.3	1	0.3	3.5	0.0	10.4	14.4	3.4	0.4	21	25	2.3	20	40	8
135	13.42		30	3	1	-2.6	0.3	0.0	29	6	3	6.2	2.3	1	0.3	2.0	0.0	10.4	14.4	3.4	0.4	13	14	2.3	20	110	8
2.5	1.00		40	5	1	0.0	-0.1	0.0	18	0	0	6.2	2.3	1	0.3	0.4	0.0	17.2	17.7	1.9	0.4	4	3	2.3	20	40	8
133	13.42		2	1	1	-3.7	0.3	0.0	29	9	4	6.2	2.3	1	0.2	3.5	0.0	10.4	14.4	3.4	0.4	21	24	2.3	20	40	8
137	13.42		30	3	1	-2.6	0.2	0.0	29	6	3	6.2	2.3	1	0.2	2.0	0.0	10.4	14.4	3.4	0.4	12	14	2.3	20	110	8
2.5	1.00		40	5	1	0.0	-0.1	0.0	19	0	0	6.2	2.3	1	0.2	0.4	0.0	17.2	17.7	1.9	0.4	4	3	2.3	20	40	8
26	1.40	2	25	1	1	-0.8	0.0	0.0	35	0	0	17.4	3.0	1	0.0	1.4	0.0	30.0	32.2	3.6	0.0	4	2	0.0	9	52	8
35	1.40	/	30	3	1	-0.8	0.0	0.0	35	0	0	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	5	70	5	1	0.3	0.0	0.0	27	0	0	2.3	9.1	1	0.0	0.8	0.0	10.4	26.1	6.4	0.0	3	3	0.0	20	52	8
26	1.40	3	25	1	1	-0.2	0.0	0.0	12	1	0	2.3	9.1	1	0.0	0.6	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	52	8
35	1.40	/	30	3	1	0.2	0.0	0.0	27	0	0	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00	5	70	5	1	0.2	0.0	0.0	27	0	0	2.3	9.1	1	0.0	0.0	0.0	10.4	26.1	6.4	0.0	0	0	0.0	20	52	8
26	1.40	4	25	1	2	-0.1	0.0	0.0	12	0	0	2.3	9.1	2	0.0	0.5	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	52	8
35	1.40	/	30	3	2	0.1	0.0	0.0	13	0	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
2.5	1.00	5	70	5	2	0.1	0.0	0.0	13	0	0	14.3	3.0	1	0.0	-0.1	0.0	23.2	58.0	14.2	0.0	0	0	0.0	9	52	8
26	1.40	5	25	1	1	-2.0	0.0	0.0	32	1	1	14.3	3.0	1	0.0	2.7	0.0	17.2	43.2	10.6	0.0	6	6	0.0	9	52	8
35	1.40	/	30	3	1	-2.0	0.0	0.0	32	1	1	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	5	70	5	2	0.5	0.0	0.0	13	1	0	14.3	3.0	1	0.0	2.1	0.0	17.2	43.2	10.6	0.0	5	5	0.0	9	52	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1 - OUTPUT

STAMPA PROGETTO S.L.U. - ELEVAZIONE

Filo Iniz Fin. Ctgθ	Quota Iniz. Final AmpC	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq sup	Area cmq inf	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
35	1.40	2	5	1	2	-0.1	0.0	0.0	31	0	0	7.1	3.1	1	0.0	0.2	0.0	23.9	13.4	4.1	0.0	1	1	0.0	12	24	8
34	1.40	/	40	3	1	0.0	0.0	0.0	21	0	0	7.1	3.1	1	0.0	0.1	0.0	23.9	13.4	4.1	0.0	0	0	0.0	12	68	8
2.5	1.00	5	24	5	2	0.0	0.0	0.0	31	0	0	3.1	7.1	1	0.0	-0.1	0.0	14.3	8.0	2.4	0.0	1	1	0.0	20	24	8
35	1.40	3	5	1	1	-0.1	0.0	0.0	21	1	0	3.1	7.1	1	0.0	0.3	0.0	14.3	8.0	2.4	0.0	2	3	0.0	20	24	8
34	1.40	/	40	3	1	0.0	0.0	0.0	21	0	0	3.1	7.1	1	0.0	0.1	0.0	14.3	8.0	2.4	0.0	1	2	0.0	20	68	8
2.5	1.00	5	24	5	1	0.0	0.0	0.0	31	0	0	3.1	7.1	2	0.0	0.0	0.0	14.3	8.0	2.4	0.0	0	0	0.0	20	24	8
35	1.40	4	5	1	1	-0.1	0.0	0.0	21	1	0	3.1	7.1	1	0.0	0.2	0.0	14.3	8.0	2.4	0.0	2	3	0.0	20	24	8
34	1.40	/	40	3	1	0.0	0.0	0.0	31	0	0	7.1	3.1	1	0.0	0.1	0.0	23.9	13.4	4.1	0.0	1	1	0.0	12	68	8
2.5	1.00	5	24	5	1	0.0	0.0	0.0	21	0	0	7.1	3.1	1	0.0	0.0	0.0	23.9	13.4	4.1	0.0	0	0	0.0	12	24	8
35	1.40	5	5	1	1	-0.1	0.0	0.0	31	0	0	7.1	3.1	1	0.0	0.3	0.0	23.7	13.3	4.0	0.0	2	2	0.0	12	24	8
34	1.40	/	40	3	1	-0.1	0.0	0.0	31	0	0	7.1	3.1	1	0.0	0.1	0.0	23.7	13.3	4.0	0.0	1	1	0.0	12	68	8
2.48	1.00	5	24	5	1	0.0	0.0	0.0	21	0	0	7.1	3.1	1	0.0	0.0	0.0	23.7	13.3	4.0	0.0	0	0	0.0	12	24	8
100	1.40	2	25	1	1	-3.8	0.0	0.0	35	2	1	17.4	3.0	1	0.0	12.3	0.0	17.2	43.2	10.6	0.0	28	28	0.0	9	30	8
25	1.40	/	30	3	1	-3.8	0.0	0.0	35	2	1	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	2	70	5	1	3.4	0.0	0.0	12	8	1	17.4	3.0	1	0.0	11.9	0.0	17.2	43.2	10.6	0.0	28	28	0.0	9	30	8
25	1.40	2	25	1	1	0.6	0.0	0.0	12	1	0	17.4	3.0	1	0.0	-2.1	0.0	17.2	43.2	10.6	0.0	5	5	0.0	9	26	8
119	1.40	/	30	3	1	-0.6	0.0	0.0	35	0	0	17.4	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	2	70	5	1	-0.6	0.0	0.0	35	0	0	17.4	3.0	1	0.0	-2.4	0.0	17.2	43.2	10.6	0.0	5	6	0.0	9	26	8
119	1.40	2	25	1	1	-0.3	0.0	0.0	35	0	0	17.4	3.0	1	0.0	0.7	0.0	10.4	26.1	6.4	0.0	2	3	0.0	20	52	8
34	1.40	/	30	3	1	-0.3	0.0	0.0	12	1	0	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00	4	70	5	1	0.1	0.0	0.0	27	0	0	2.3	9.1	1	0.0	0.1	0.0	10.4	26.1	6.4	0.0	0	0	0.0	20	52	8
119	1.40	3	25	1	1	-0.2	0.0	0.0	12	1	0	2.3	9.1	1	0.0	0.6	0.0	10.4	26.1	6.4	0.0	2	2	0.0	20	52	8
34	1.40	/	30	3	1	0.2	0.0	0.0	27	0	0	2.3	9.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	1.00	4	70	5	1	0.2	0.0	0.0	13	0	0	14.3	3.0	1	0.0	0.1	0.0	30.0	32.2	3.6	0.0	0	0	0.0	9	52	8
119	1.40	4	25	1	1	-0.4	0.0	0.0	32	0	0	14.3	3.0	1	0.0	1.2	0.0	17.2	43.2	10.6	0.0	3	3	0.0	9	52	8
34	1.40	/	30	3	1	0.6	0.0	0.0	13	2	0	14.3	3.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	9	0	8
1.86	1.00	4	70	5	1	0.6	0.0	0.0	13	2	0	14.3	3.0	1	0.0	0.7	0.0	17.2	43.2	10.6	0.0	2	2	0.0	9	52	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	Area cmq h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Staffe Lun	Staffe Fi
1	0.00		4	1	1	1.2	-1.2	-61.2		1	3	6.0	4.0	1	1.6	5.1	0.0	10.4	22.1	5.2	0.0	19	23	0.0	20	35	8
1	1.40		30	3	1	-1.2	1.2	-61.1		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.3	1.2	-60.9		1	4	6.0	4.0	1	1.6	5.1	0.0	10.4	22.1	5.2	0.0	19	23	0.0	20	35	8
2	0.00		4	1	1	1.9	1.7	-86.1		1	5	6.0	4.0	1	-0.3	8.2	0.0	10.4	22.1	5.2	0.0	23	37	0.0	20	35	8
2	1.40		30	3	1	-1.7	1.7	-86.0		1	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-3.8	-1.7	-85.8		1	5	6.0	4.0	1	-0.3	8.2	0.0	10.4	22.1	5.2	0.0	23	37	0.0	20	35	8
3	0.00		4	1	1	1.9	-1.7	-84.0		1	5	6.0	4.0	1	0.1	8.1	0.0	10.4	22.1	5.2	0.0	23	36	0.0	20	35	8
3	1.40		30	3	1	-1.7	1.7	-83.9		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-3.7	1.7	-83.7		1	5	6.0	4.0	1	0.1	8.1	0.0	10.4	22.1	5.2	0.0	23	36	0.0	20	35	8
4	0.00		4	1	1	2.0	2.0	-99.5		2	5	6.0	4.0	1	0.1	8.6	0.0	10.4	22.1	5.2	0.0	24	39	0.0	20	35	8
4	1.40		30	3	1	-2.0	2.0	-99.4		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-4.0	2.0	-99.2		1	6	6.0	4.0	1	0.1	8.6	0.0	10.4	22.1	5.2	0.0	24	39	0.0	20	35	8
5	0.00		4	1	1	2.2	2.0	-100.9		2	6	6.0	4.0	1	-0.2	9.5	0.0	10.4	22.1	5.2	0.0	27	43	0.0	20	35	8
5	1.40		30	3	1	-2.0	2.0	-100.8		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-4.4	-2.0	-100.6		1	6	6.0	4.0	1	-0.2	9.5	0.0	10.4	22.1	5.2	0.0	27	43	0.0	20	35	8
6	0.00		4	1	1	2.2	2.2	-110.6		2	6	6.0	4.0	1	-1.3	0.0	0.0	10.4	22.1	5.2	0.0	5	13	0.0	20	35	8
6	1.40		30	3	1	2.2	2.2	-110.5		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.2	-2.2	-110.3		2	6	6.0	4.0	1	-1.3	0.0	0.0	10.4	22.1	5.2	0.0	5	13	0.0	20	35	8
7	0.00		10	1	1	-2.1	2.1	-107.3		2	4	6.0	4.0	1	-0.4	-4.3	0.0	18.2	18.2	8.0	0.0	10	24	0.0	20	35	8
7	1.40		50	3	1	2.1	2.1	-107.1		2	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.1	-2.1	-106.9		2	4	6.0	4.0	1	-0.4	-4.3	0.0	18.2	18.2	8.0	0.0	10	24	0.0	20	35	8
8	0.00		4	1	1	2.0	-2.0	-100.5		2	6	6.0	4.0	1	1.4	-0.2	0.0	10.4	22.1	5.2	0.0	5	14	0.0	20	35	8
8	1.40		30	3	1	2.0	2.0	-100.4		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	2.0	2.0	-100.2		2	5	6.0	4.0	1	1.4	-0.2	0.0	10.4	22.1	5.2	0.0	5	14	0.0	20	35	8
9	0.00		4	1	1	1.2	1.2	-61.8		1	3	6.0	4.0	1	-1.7	4.8	0.0	10.4	22.1	5.2	0.0	19	22	0.0	20	35	8
9	1.40		30	3	1	-1.2	1.2	-61.6		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.2	-1.2	-61.4		1	3	6.0	4.0	1	-1.7	4.8	0.0	10.4	22.1	5.2	0.0	19	22	0.0	20	35	8
10	0.00		4	1	1	1.8	1.8	-91.3		2	5	6.0	4.0	1	-0.3	0.7	0.0	10.4	22.1	5.2	0.0	3	3	0.0	20	35	8
10	1.40		30	3	1	1.8	1.8	-91.2		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-1.8	-1.8	-91.0		2	5	6.0	4.0	1	-0.3	0.7	0.0	10.4	22.1	5.2	0.0	3	3	0.0	20	35	8
11	0.00		4	1	1	2.6	2.6	-130.1		2	7	6.0	4.0	1	-0.1	0.9	0.0	10.4	22.1	5.2	0.0	4	4	0.0	20	35	8
11	1.40		30	3	1	2.6	2.6	-130.0		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.6	2.6	-129.8		2	7	6.0	4.0	1	-0.1	0.9	0.0	10.4	22.1	5.2	0.0	4	4	0.0	20	35	8
12	0.00		4	1	1	2.6	2.6	-130.0		2	7	6.0	4.0	1	0.0	1.0	0.0	10.4	22.1	5.2	0.0	4	4	0.0	20	35	8
12	1.40		30	3	1	2.6	2.6	-129.9		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.6	2.6	-129.7		2	7	6.0	4.0	1	0.0	1.0	0.0	10.4	22.1	5.2	0.0	4	4	0.0	20	35	8
13	0.00		4	1	1	2.6	2.6	-128.5		2	7	6.0	4.0	1	-0.1	0.6	0.0	10.4	22.1	5.2	0.0	3	3	0.0	20	35	8
13	1.40		30	3	1	2.6	2.6	-128.4		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.6	2.6	-128.2		2	7	6.0	4.0	1	-0.1	0.6	0.0	10.4	22.1	5.2	0.0	3	3	0.0	20	35	8
14	0.00		4	1	1	2.5	2.5	-126.4		2	7	6.0	4.0	1	-0.1	0.4	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	35	8
14	1.40		30	3	1	2.5	2.5	-126.3		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.5	2.5	-126.1		2	7	6.0	4.0	1	-0.1	0.4	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	35	8
15	0.00		4	1	1	2.5	2.5	-126.5		2	7	6.0	4.0	1	-0.1	0.8	0.0	10.4	22.1	5.2	0.0	3	4	0.0	20	35	8
15	1.40		30	3	1	2.5	2.5	-126.3		2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		60	5	1	-2.5	-2.5	-126.2		2	7	6.0	4.0	1	-0.1	0.8	0.0	10.4	22.1	5.2	0.0	3	4	0.0	20	35	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
16	0.00	10	1	1	-2.5	2.5	-126.0	2	5	6.0	4.0	1	-0.1	-3.3	0.0	18.2	18.2	8.0	0.0	7	18	0.0	20	35	8
16	1.40	50	3	1	2.5	2.5	-125.8	2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	2.5	2.5	-125.5	2	5	6.0	4.0	1	-0.1	-3.3	0.0	18.2	18.2	8.0	0.0	7	18	0.0	20	35	8
17	0.00	4	1	1	2.6	2.6	-129.5	2	7	6.0	4.0	1	0.0	1.9	0.0	10.4	22.1	5.2	0.0	8	8	0.0	20	35	8
17	1.40	30	3	1	-2.6	2.6	-129.4	2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	-2.6	2.6	-129.2	2	7	6.0	4.0	1	0.0	1.9	0.0	10.4	22.1	5.2	0.0	8	8	0.0	20	35	8
18	0.00	4	1	1	1.8	-1.8	-91.3	2	5	6.0	4.0	1	0.2	0.4	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	35	8
18	1.40	30	3	1	1.8	1.8	-91.2	2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	-1.8	1.8	-91.0	2	5	6.0	4.0	1	0.2	0.4	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	35	8
19	0.00	4	1	1	-1.8	1.8	-91.5	2	5	6.0	4.0	1	-0.3	-0.3	0.0	10.4	22.1	5.2	0.0	2	3	0.0	20	35	8
19	1.40	30	3	1	1.8	1.8	-91.3	2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	1.8	-1.8	-91.1	2	5	6.0	4.0	1	-0.3	-0.3	0.0	10.4	22.1	5.2	0.0	2	3	0.0	20	35	8
20	0.00	4	1	1	-2.6	2.6	-128.7	2	7	6.0	4.0	1	0.0	-0.5	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	35	8
20	1.40	30	3	1	2.6	2.6	-128.6	2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	2.6	2.6	-128.4	2	7	6.0	4.0	1	0.0	-0.5	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	35	8
21	0.00	4	1	1	-2.4	2.4	-122.4	2	7	6.0	4.0	1	0.0	-4.1	0.0	10.4	22.1	5.2	0.0	15	19	0.0	20	35	8
21	1.40	30	3	1	2.4	2.4	-122.3	2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	2.4	2.4	-122.1	2	7	6.0	4.0	1	0.0	-4.1	0.0	10.4	22.1	5.2	0.0	15	19	0.0	20	35	8
22	0.00	4	1	1	-2.5	2.5	-122.7	2	7	6.0	4.0	1	-0.1	-3.1	0.0	10.4	22.1	5.2	0.0	12	14	0.0	20	35	8
22	1.40	30	3	1	2.5	2.5	-122.6	2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	2.4	-2.4	-122.4	2	7	6.0	4.0	1	-0.1	-3.1	0.0	10.4	22.1	5.2	0.0	12	14	0.0	20	35	8
23	0.00	4	1	1	-2.5	2.5	-127.1	2	7	6.0	4.0	1	0.0	-0.5	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	35	8
23	1.40	30	3	1	2.5	2.5	-126.9	2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	2.5	2.5	-126.7	2	7	6.0	4.0	1	0.0	-0.5	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	35	8
24	0.00	4	1	1	-2.5	-2.5	-123.9	2	7	6.0	4.0	1	1.5	-2.9	0.0	25.4	27.2	3.3	0.0	17	14	0.0	20	35	8
24	1.40	30	3	1	2.5	2.5	-123.7	2	7	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	2.5	2.5	-123.5	2	7	6.0	4.0	1	1.5	-2.9	0.0	25.4	27.2	3.3	0.0	17	14	0.0	20	35	8
25	-1.60	4	1	1	0.6	0.6	-32.4	1	2	6.0	4.0	1	-0.4	0.3	0.0	10.4	22.1	5.2	0.0	2	4	0.0	20	115	8
25	1.40	30	3	1	-0.6	-0.6	-31.9	1	2	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	-0.6	-0.6	-31.3	1	2	6.0	4.0	1	-0.4	0.3	0.0	10.4	22.1	5.2	0.0	2	4	0.0	20	115	8
26	-1.60	4	1	1	-3.0	-1.1	-55.1	0	3	6.0	4.0	1	0.7	-3.5	0.0	10.4	22.1	5.2	0.0	12	16	0.0	20	115	8
26	1.40	30	3	1	1.8	1.1	-54.4	1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	5.0	1.1	-54.0	0	4	6.0	4.0	1	0.7	-3.5	0.0	10.4	22.1	5.2	0.0	12	16	0.0	20	115	8
27	0.00	4	1	1	-1.8	-1.8	-91.5	2	5	6.0	4.0	1	0.2	-0.5	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	35	8
27	1.40	30	3	1	1.8	1.8	-91.4	2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	1.8	1.8	-91.2	2	5	6.0	4.0	1	0.2	-0.5	0.0	10.4	22.1	5.2	0.0	2	2	0.0	20	35	8
28	0.00	4	1	1	-1.2	-1.2	-60.3	1	3	6.0	4.0	1	1.7	-4.8	0.0	10.4	22.1	5.2	0.0	18	22	0.0	20	35	8
28	1.40	30	3	1	1.2	1.2	-60.1	1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	2.3	1.2	-59.9	1	3	6.0	4.0	1	1.7	-4.8	0.0	10.4	22.1	5.2	0.0	18	22	0.0	20	35	8
29	0.00	4	1	1	-1.9	1.9	-97.2	2	5	6.0	4.0	1	0.0	-7.8	0.0	10.4	22.1	5.2	0.0	22	35	0.0	20	35	8
29	1.40	30	3	1	1.9	1.9	-97.0	2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	3.7	1.9	-96.9	1	6	6.0	4.0	1	0.0	-7.8	0.0	10.4	22.1	5.2	0.0	22	35	0.0	20	35	8
30	0.00	4	1	1	-1.1	1.1	-55.8	1	3	6.0	4.0	1	-1.8	-4.4	0.0	10.4	22.1	5.2	0.0	17	20	0.0	20	35	8
30	1.40	30	3	1	1.1	1.1	-55.7	1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	2.1	-1.1	-55.5	1	3	6.0	4.0	1	-1.8	-4.4	0.0	10.4	22.1	5.2	0.0	17	20	0.0	20	35	8
31	0.00	4	1	1	-1.1	-1.1	-55.7	1	3	6.0	4.0	1	1.7	-4.7	0.0	10.4	22.1	5.2	0.0	18	21	0.0	20	35	8
31	1.40	30	3	1	1.1	1.1	-55.6	1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	2.3	1.1	-55.4	1	3	6.0	4.0	1	1.7	-4.7	0.0	10.4	22.1	5.2	0.0	18	21	0.0	20	35	8
32	0.00	4	1	1	-1.9	1.9	-95.4	2	5	6.0	4.0	1	-0.2	-7.8	0.0	10.4	22.1	5.2	0.0	22	35	0.0	20	35	8
32	1.40	30	3	1	1.9	1.9	-95.3	2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	3.7	-1.9	-95.1	1	6	6.0	4.0	1	-0.2	-7.8	0.0	10.4	22.1	5.2	0.0	22	35	0.0	20	35	8
33	0.00	4	1	1	-0.3	0.3	-13.7	0	1	6.0	4.0	1	-0.2	-0.9	0.0	10.4	22.1	5.2	0.0	4	4	0.0	20	58	8
33	1.40	30	3	1	0.4	-0.3	-13.3	0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	0.8	-0.3	-13.1	0	1	6.0	4.0	1	-0.2	-0.9	0.0	10.4	22.1	5.2	0.0	4	4	0.0	20	58	8
34	-1.60	4	1	1	-0.3	-0.2	-10.3	0	1	6.0	4.0	1	0.1	-0.3	0.0	10.4	22.1	5.2	0.0	1	1	0.0	20	115	8
34	1.40	30	3	1	0.2	0.2	-9.9	0	0	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	0.5	0.2	-9.2	0	1	6.0	4.0	1	0.1	-0.3	0.0	10.4	22.1	5.2	0.0	1	1	0.0	20	115	8
35	-1.60	4	1	1	0.8	-0.8	-39.9	1	2	6.0	4.0	1	0.7	0.6	0.0	10.4	22.1	5.2	0.0	4	7	0.0	20	115	8
35	1.40	30	3	1	-0.8	0.8	-39.5	1	2	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	-0.8	1.0	-38.9	1	2	6.0	4.0	1	0.7	0.6	0.0	10.4	22.1	5.2	0.0	4	7	0.0	20	115	8
36	0.00	4	1	1	-1.2	1.2	-59.8	1	3	6.0	4.0	1	-1.9	-5.0	0.0	10.4	22.1	5.2	0.0	19	23	0.0	20	35	8
36	1.40	30	3	1	1.2	1.2	-59.6	1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	60	5	1	2.4	-1.2	-59.4	1	3	6.0	4.0	1	-1.9	-5.0	0.0	10.4	22.1	5.2	0.0	19	23	0.0	20	35	8
37	0.00	2	1	1	0.9	0.9	-45.6	1	4	4.0	4.0	1	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	35	8
37	1.40	30	3	1	0.9	0.9	-45.5	1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-0.9	-0.9	-45.3	1	4	4.0	4.0	1	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	35	8
38	0.00	10	1	1	1.2	1.2	-60.6	1	2	6.0	4.0	2	-0.1	0.2	0.0	18.2	18.2	8.0	0.0	1	1	0.0	20	35	8
38	1.40	50	3	1	1.2	1.2	-60.4	1	2	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	1.2	1.2	-60.1	1	2	6.0	4.0	2	-0.1	0.2	0.0	18.2	18.2	8.0	0.0	1	1	0.0	20	35	8
39	0.00	2	1	1	0.7	0.7	-36.7	1	3	4.0	4.0	1	-0.1	0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	35	8
39	1.40	30	3	1	0.7	0.7	-36.6	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-0.7	-0.7	-36.5	1	3	4.0	4.0	1	-0.1	0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	35	8
40	0.00	2	1	1	0.3	0.3	-14.1	0	1	4.0	4.0	1	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	70	8
40	1.40	30	3	1	0.3	0.3	-13.9	0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-0.3	-0.3	-13.7	0	1	4.0	4.0	1	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	70	8
41	0.00	2	1	1	-0.4	0.2	-8.8	0	1	4.0	4.0	1	-0.4	-0.9	0.0	19.2	19.8	2.0	0.0	7	6	0.0	20	70	8
41	1.40	30	3	1	0.4	-0.2	-8.5	0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	0.9	-0.4	-8.4	1	2	4.0	4.0	1	-0.4	-0.9	0.0	19.2	19.8	2.0	0.0	7	6	0.0	20	70	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
42	0.00		2	1	1	-0.2	0.2	-10.2		0	1	4.0	4.0	1	-0.1	-0.4	0.0	10.4	14.3	3.3	0.0	2	3	0.0	20	70	8
42	1.40		30	3	1	0.2	0.2	-10.0		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	0.4	-0.2	-9.7		0	1	4.0	4.0	1	-0.1	-0.4	0.0	10.4	14.3	3.3	0.0	2	3	0.0	20	70	8
43	0.00		2	1	1	1.9	-0.5	-24.0		0	3	4.0	4.0	1	0.8	6.9	0.0	10.4	14.3	3.3	0.0	35	48	0.0	20	35	8
43	1.40		30	3	1	-1.0	0.5	-23.9		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-2.9	0.5	-23.8		2	4	4.0	4.0	1	0.8	6.9	0.0	10.4	14.3	3.3	0.0	35	48	0.0	20	35	8
44	0.00		2	1	1	3.1	0.6	-28.9		1	4	4.0	4.0	1	-0.1	11.3	0.0	10.4	14.3	3.3	0.0	50	79	0.0	20	35	8
44	1.40		30	3	1	-1.6	-0.6	-28.8		0	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-4.8	-0.6	-28.7		5	7	4.0	4.0	1	-0.1	11.3	0.0	10.4	14.3	3.3	0.0	50	79	0.0	20	35	8
45	0.00		2	1	1	2.1	0.4	-18.1		1	3	4.0	4.0	1	-0.5	7.5	0.0	10.4	14.3	3.3	0.0	38	52	0.0	20	35	8
45	1.40		30	3	1	-1.1	-0.4	-17.9		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-3.2	-0.4	-17.8		3	4	4.0	4.0	1	-0.5	7.5	0.0	10.4	14.3	3.3	0.0	38	52	0.0	20	35	8
128	0.00		28	1	1	-0.7	-0.8	-33.9		0	1	3.0	1.0	1	-0.9	-0.1	0.0	42.5	3.3	6.3	0.0	1	3	0.0	40	70	8
128	1.40		220	3	1	0.7	-1.6	-33.0		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.6	-2.1	-32.4		0	1	3.0	1.0	1	-0.9	-0.1	0.0	42.5	3.3	6.3	0.0	1	3	0.0	40	70	8
129	0.00		29	1	1	-0.1	-0.1	-5.7		0	1	3.1	4.2	1	0.0	-0.1	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	113	8
129	2.26		20	3	1	0.1	-0.1	-5.5		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.1	-0.1	-5.2		0	1	3.1	4.2	1	0.0	-0.1	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	113	8
130	0.00		29	1	1	0.2	0.2	-11.6		0	1	3.1	4.2	1	0.0	0.2	0.0	15.5	17.5	1.5	0.0	1	1	0.0	20	91	8
130	2.26		20	3	1	0.2	0.2	-11.5		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.2	-0.2	-11.2		0	1	3.1	4.2	1	0.0	0.2	0.0	15.5	17.5	1.5	0.0	1	1	0.0	20	91	8
131	0.00		28	1	1	-1.0	1.0	-50.6		0	1	3.0	1.0	1	-3.3	-0.2	0.0	42.5	3.3	6.3	0.0	4	8	0.0	40	70	8
131	1.40		220	3	1	1.0	-2.3	-49.7		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	1.0	-4.1	-49.1		0	1	3.0	1.0	1	-3.3	-0.2	0.0	42.5	3.3	6.3	0.0	4	8	0.0	40	70	8
132	0.00		29	1	1	-0.2	0.2	-8.1		0	1	3.1	4.2	1	0.0	0.0	0.0	15.1	17.0	1.5	0.0	0	0	0.0	20	113	8
132	2.26		20	3	1	0.2	0.2	-7.9		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.2	-0.2	-7.6		0	1	3.1	4.2	1	0.0	0.0	0.0	15.1	17.0	1.5	0.0	0	0	0.0	20	113	8
133	0.00		29	1	1	-0.4	0.4	-17.7		0	2	3.1	4.2	1	0.0	-0.3	0.0	16.3	18.4	1.5	0.0	2	2	0.0	20	91	8
133	2.26		20	3	1	0.4	0.4	-17.5		0	2	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.4	-0.3	-17.3		0	2	3.1	4.2	1	0.0	-0.3	0.0	16.3	18.4	1.5	0.0	2	2	0.0	20	91	8
160	0.00		30	1	1	-0.8	0.5	-24.9		0	1	3.1	15.4	1	0.0	-0.9	0.0	72.6	88.8	8.9	0.0	1	1	0.0	20	70	8
160	1.40		20	3	1	-0.5	0.5	-24.4		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.5	0.5	-23.6		0	1	3.1	15.4	1	0.0	-0.9	0.0	72.6	88.8	8.9	0.0	1	1	0.0	20	70	8
161	0.00		30	1	1	0.9	0.5	-27.0		0	1	3.1	15.4	1	-0.1	0.2	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	70	8
161	1.40		20	3	1	0.8	0.5	-26.5		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.7	-0.5	-25.7		0	1	3.1	15.4	1	-0.1	0.2	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	70	8
162	0.00		30	1	1	0.9	0.6	-27.9		0	1	3.1	15.4	1	-0.1	0.2	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	70	8
162	1.40		20	3	1	0.8	0.5	-27.4		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.6	-0.5	-26.6		0	1	3.1	15.4	1	-0.1	0.2	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	70	8
165	0.00		31	1	1	-1.0	1.0	-47.8		1	1	7.6	12.7	1	-2.8	-8.2	0.0	80.2	85.2	10.9	0.0	13	10	0.0	15	35	8
165	1.40		40	3	1	2.6	-0.9	-47.4		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	4.9	-1.1	-47.2		0	2	7.6	12.7	1	-2.8	-8.2	0.0	80.2	85.2	10.9	0.0	13	10	0.0	15	35	8
166	0.00		31	1	1	-0.7	-0.7	-37.5		0	1	7.6	12.7	1	0.8	-1.8	0.0	78.7	83.6	10.9	0.0	3	2	0.0	15	58	8
166	1.40		40	3	1	1.1	0.7	-36.9		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	2.0	0.7	-36.5		0	1	7.6	12.7	1	0.8	-1.8	0.0	78.7	83.6	10.9	0.0	3	2	0.0	15	58	8
1	1.40		3	1	1	1.7	-1.0	-48.3		1	3	6.0	4.0	1	0.4	1.6	0.0	10.4	18.2	4.3	0.0	7	9	0.0	20	137	8
1	4.84		30	3	1	1.0	-1.0	-47.9		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-2.6	0.9	-47.2		0	4	6.0	4.0	1	0.4	1.6	0.0	10.4	18.2	4.3	0.0	7	9	0.0	20	137	8
2	1.40		3	1	1	2.9	-1.3	-64.8		1	5	6.0	4.0	1	0.2	2.6	0.0	10.4	18.2	4.3	0.0	10	14	0.0	20	137	8
2	4.84		30	3	1	-1.4	1.3	-64.2		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-4.2	1.3	-63.7		0	5	6.0	4.0	1	0.2	2.6	0.0	10.4	18.2	4.3	0.0	10	14	0.0	20	137	8
3	1.40		3	1	1	3.0	1.3	-62.9		1	5	6.0	4.0	1	-0.3	2.6	0.0	10.4	18.2	4.3	0.0	10	15	0.0	20	137	8
3	4.84		30	3	1	-1.4	-1.2	-62.3		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-4.3	-1.2	-61.8		0	5	6.0	4.0	1	-0.3	2.6	0.0	10.4	18.2	4.3	0.0	10	15	0.0	20	137	8
4	1.40		3	1	1	1.6	-1.6	-78.5		2	5	6.0	4.0	1	0.0	1.1	0.0	10.4	18.2	4.3	0.0	4	6	0.0	20	137	8
4	4.84		30	3	1	1.6	-1.6	-78.1		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-1.6	-1.5	-77.4		1	5	6.0	4.0	1	0.0	1.1	0.0	10.4	18.2	4.3	0.0	4	6	0.0	20	137	8
5	1.40		3	1	1	1.6	-1.6	-80.0		2	5	6.0	4.0	2	0.0	-0.4	0.0	10.4	18.2	4.3	0.0	1	2	0.0	20	137	8
5	4.84		30	3	1	1.6	-1.6	-79.6		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	1.6	-1.6	-79.0		2	5	6.0	4.0	2	0.0	-0.4	0.0	10.4	18.2	4.3	0.0	1	2	0.0	20	137	8
6	1.40		3	1	1	1.6	-1.6	-81.5		2	5	6.0	4.0	1	0.0	0.1	0.0	10.4	18.2	4.3	0.0	1	1	0.0	20	137	8
6	4.84		30	3	1	1.6	-1.6	-81.1		2	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-1.6	1.6	-80.5		2	5	6.0	4.0	1	0.0	0.1	0.0	10.4	18.2	4.3	0.0	1	1	0.0	20	137	8
7	1.40		22	1	1	2.1	0.0	-72.5		2	5	12.1		1	0.0	0.6	0.0	22.7	22.7	7.5	0.0	3	3	0.0	8	137	8
7	4.84		20	3	1	-2.0	0.0	-72.2		2	5	12.1		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	8	0	8
2.04	0.00			5	1	-2.0	0.0	-71.6		2	5	12.1		1	0.0	0.6	0.0	22.7	22.7	7.5	0.0	3	3	0.0	8	137	8
8	1.40		3	1	1	1.4	1.4	-70.9		1	5	6.0	4.0	1	-0.2	1.2	0.0	10.4	18.2	4.3	0.0	5	6	0.0	20	137	8
8	4.84		30	3	1	1.4	-1.4	-70.5		1	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-1.9	-1.4	-69.8		1	5	6.0	4.0	1	-0.2	1.2	0.0	10.4	18.2	4.3	0.0	5	6	0.0	20	137	8
9	1.40		3	1	1	2.1	1.0	-48.8		1	4	6.0	4.0	1	-0.3	1.8	0.0	10.4	18.2	4.3	0.0	7	10	0.0	20	137	8
9	4.84		30	3	1	1.0	-1.0	-48.4		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-2.7	-1.0	-47.8		0	4	6.0	4.0	1	-0.3	1.8	0.0	10.4	18.2	4.3	0.0	7	10	0.0	20	137	8
10	1.40		3	1	1	-1.4	-1.4	-69.8		1	5	6.0	4.0	1	0.3	-0.1	0.0	10.4	18.2	4.3	0.0	1	3	0.0	20	137	8
10	4.84		30	3	1	-1.4	-1.4	-69.4		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	1.4	1.4	-68.8		1	4	6.0	4.0	1	0.3	-0.1	0.0	10.4	18.2	4.3	0.0	1	3	0.0	20	137	8
11	1.40		3	1	1	-1.9	-1.9	-96.0		2	6	6.0	4.0	1	0.0	-0.1	0.0	24.6	25.9	2.7	0.0	0	0	0.0	20	137	8
11	4.84		30	3	1	1.9	-1.9	-95.6		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.43	0.00		50	5	1	1.9	-1.9	-95.0		2	6	6.0	4.0	1	0.0	-0.1	0.0	24.6	25.9	2.7	0.0	0	0	0.0	20	137	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
12	1.40		3	1	1	1.9	-1.9	-96.2		2	6	6.0	4.0	1	0.0	0.1	0.0	24.6	26.0	2.8	0.0	0	0	0.0	20	137	8
12	4.84		30	3	1	1.9	-1.9	-95.8		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.42	0.00		50	5	1	-1.9	-1.9	-95.2		2	6	6.0	4.0	1	0.0	0.1	0.0	24.6	26.0	2.8	0.0	0	0	0.0	20	137	8
13	1.40		3	1	1	1.9	-1.9	-94.7		2	6	6.0	4.0	1	0.0	0.3	0.0	24.7	26.1	2.7	0.0	1	1	0.0	20	137	8
13	4.84		30	3	1	1.9	-1.9	-94.3		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.46	0.00		50	5	1	-1.9	-1.9	-93.7		2	6	6.0	4.0	1	0.0	0.3	0.0	24.7	26.1	2.7	0.0	1	1	0.0	20	137	8
14	1.40		3	1	1	1.9	-1.9	-92.8		2	6	6.0	4.0	1	0.0	0.4	0.0	25.0	26.4	2.7	0.0	2	1	0.0	20	137	8
14	4.84		30	3	1	1.8	-1.8	-92.4		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-1.8	-1.8	-91.8		2	6	6.0	4.0	1	0.0	0.4	0.0	25.0	26.4	2.7	0.0	2	1	0.0	20	137	8
15	1.40		3	1	1	1.9	-1.9	-93.4		2	6	6.0	4.0	1	0.0	0.5	0.0	24.9	26.3	2.7	0.0	2	1	0.0	20	137	8
15	4.84		30	3	1	1.9	-1.9	-93.0		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.49	0.00		50	5	1	-1.8	1.8	-92.4		2	6	6.0	4.0	1	0.0	0.5	0.0	24.9	26.3	2.7	0.0	2	1	0.0	20	137	8
16	1.40		22	1	1	2.7	0.0	-95.3		3	7	12.1		1	0.0	0.1	0.0	18.5	18.5	6.1	0.0	1	1	0.0	8	137	8
16	4.84		20	3	1	-2.7	0.0	-95.0		2	7	12.1		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	8	0	8
1.66	0.00			5	1	-2.7	0.0	-94.4		2	7	12.1		1	0.0	0.1	0.0	18.5	18.5	6.1	0.0	1	1	0.0	8	137	8
17	1.40		3	1	1	1.9	-1.9	-95.4		2	6	6.0	4.0	1	0.0	0.4	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	137	8
17	4.84		30	3	1	1.9	-1.9	-94.9		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-1.9	-1.9	-94.3		2	6	6.0	4.0	1	0.0	0.4	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	137	8
18	1.40		3	1	1	1.4	1.4	-69.8		1	5	6.0	4.0	1	-0.2	0.3	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	137	8
18	4.84		30	3	1	1.4	-1.4	-69.4		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-1.4	-1.4	-68.8		1	4	6.0	4.0	1	-0.2	0.3	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	137	8
19	1.40		3	1	1	-1.4	-1.4	-70.0		1	5	6.0	4.0	1	0.3	-0.1	0.0	10.4	18.2	4.3	0.0	1	3	0.0	20	137	8
19	4.84		30	3	1	-1.4	1.4	-69.5		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	1.4	1.4	-68.9		1	4	6.0	4.0	1	0.3	-0.1	0.0	10.4	18.2	4.3	0.0	1	3	0.0	20	137	8
20	1.40		3	1	1	-1.9	-1.9	-94.6		2	6	6.0	4.0	1	0.0	0.0	0.0	24.6	43.3	4.2	0.0	0	0	0.0	20	137	8
20	4.84		30	3	1	-1.9	-1.9	-94.2		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.46	0.00		50	5	1	-1.9	-1.9	-93.6		2	6	6.0	4.0	1	0.0	0.0	0.0	24.6	43.3	4.2	0.0	0	0	0.0	20	137	8
21	1.40		3	1	1	-1.9	1.9	-92.7		2	6	6.0	4.0	1	0.0	-0.9	0.0	25.0	26.4	2.7	0.0	4	2	0.0	20	137	8
21	4.84		30	3	1	-1.8	-1.8	-92.3		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	1.8	-1.8	-91.6		2	6	6.0	4.0	1	0.0	-0.9	0.0	25.0	26.4	2.7	0.0	4	2	0.0	20	137	8
22	1.40		3	1	1	-1.8	-1.8	-91.4		2	6	6.0	4.0	1	0.1	-0.8	0.0	10.4	18.2	4.3	0.0	3	5	0.0	20	137	8
22	4.84		30	3	1	-1.8	-1.8	-91.0		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	1.8	1.8	-90.4		2	6	6.0	4.0	1	0.1	-0.8	0.0	10.4	18.2	4.3	0.0	3	5	0.0	20	137	8
23	1.40		3	1	1	1.9	-1.9	-93.5		2	6	6.0	4.0	1	0.0	0.1	0.0	24.9	26.2	2.7	0.0	0	0	0.0	20	137	8
23	4.84		30	3	1	1.9	-1.9	-93.1		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.49	0.00		50	5	1	-1.8	-1.8	-92.5		2	6	6.0	4.0	1	0.0	0.1	0.0	24.9	26.2	2.7	0.0	0	0	0.0	20	137	8
24	1.40		3	1	1	-1.9	-1.9	-93.4		2	6	6.0	4.0	1	1.2	-0.6	0.0	10.4	18.2	4.3	0.0	7	12	0.0	20	137	8
24	4.84		30	3	1	1.9	-1.9	-93.0		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	1.8	2.0	-92.4		2	6	6.0	4.0	1	1.2	-0.6	0.0	10.4	18.2	4.3	0.0	7	12	0.0	20	137	8
25	1.40		3	1	1	-1.9	1.9	-94.9		2	6	6.0	4.0	1	-1.3	-0.5	0.0	10.4	18.2	4.3	0.0	7	12	0.0	20	137	8
25	4.84		30	3	1	1.9	1.9	-94.5		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	1.9	-2.1	-93.9		2	6	6.0	4.0	1	-1.3	-0.5	0.0	10.4	18.2	4.3	0.0	7	12	0.0	20	137	8
26	1.40		3	1	1	-1.9	-1.9	-94.2		2	6	6.0	4.0	1	0.1	-0.4	0.0	24.8	26.2	2.7	0.0	2	1	0.0	20	137	8
26	4.84		30	3	1	-1.9	-1.9	-93.8		2	6	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.47	0.00		50	5	1	1.9	1.9	-93.2		2	6	6.0	4.0	1	0.1	-0.4	0.0	24.8	26.2	2.7	0.0	2	1	0.0	20	137	8
27	1.40		3	1	1	1.4	1.4	-70.0		1	5	6.0	4.0	1	-0.3	0.3	0.0	10.4	18.2	4.3	0.0	2	3	0.0	20	137	8
27	4.84		30	3	1	1.4	-1.4	-69.6		1	4	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-1.4	-1.4	-69.0		1	4	6.0	4.0	1	-0.3	0.3	0.0	10.4	18.2	4.3	0.0	2	3	0.0	20	137	8
28	1.40		3	1	1	-1.9	-0.9	-47.4		1	3	6.0	4.0	1	0.3	-1.7	0.0	10.4	18.2	4.3	0.0	7	9	0.0	20	137	8
28	4.84		30	3	1	-0.9	-0.9	-46.9		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.6	0.9	-46.3		0	4	6.0	4.0	1	0.3	-1.7	0.0	10.4	18.2	4.3	0.0	7	9	0.0	20	137	8
29	1.40		3	1	1	-2.5	-1.5	-75.9		1	5	6.0	4.0	1	0.0	-2.1	0.0	10.4	18.2	4.3	0.0	7	12	0.0	20	137	8
29	4.84		30	3	1	-1.5	-1.5	-75.5		1	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	3.4	1.5	-74.9		1	6	6.0	4.0	1	0.0	-2.1	0.0	10.4	18.2	4.3	0.0	7	12	0.0	20	137	8
30	1.40		3	1	1	-1.6	0.9	-43.9		1	3	6.0	4.0	1	-0.3	-1.5	0.0	10.4	18.2	4.3	0.0	6	8	0.0	20	137	8
30	4.84		30	3	1	-0.9	0.9	-43.4		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.3	-0.9	-42.8		0	3	6.0	4.0	1	-0.3	-1.5	0.0	10.4	18.2	4.3	0.0	6	8	0.0	20	137	8
31	1.40		3	1	1	-1.6	-0.9	-43.5		1	3	6.0	4.0	1	0.3	-1.4	0.0	10.4	18.2	4.3	0.0	6	8	0.0	20	137	8
31	4.84		30	3	1	-0.9	-0.9	-43.1		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.3	0.9	-42.5		0	3	6.0	4.0	1	0.3	-1.4	0.0	10.4	18.2	4.3	0.0	6	8	0.0	20	137	8
32	1.40		3	1	1	-2.3	1.5	-74.5		1	5	6.0	4.0	1	0.0	-2.0	0.0	10.4	18.2	4.3	0.0	7	11	0.0	20	137	8
32	4.84		30	3	1	-1.5	-1.5	-74.1		1	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	3.2	-1.5	-73.5		1	6	6.0	4.0	1	0.0	-2.0	0.0	10.4	18.2	4.3	0.0	7	11	0.0	20	137	8
33	1.40		3	1	1	-0.4	0.3	-17.5		0	1	6.0	4.0	1	-0.1	-0.3	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	86	8
33	3.12		30	3	1	-0.3	0.3	-17.2		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.3	-0.3	-16.8		0	1	6.0	4.0	1	-0.1	-0.3	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	86	8
34	1.40		3	1	1	-0.3	-0.3	-16.6		0	1	6.0	4.0	1	0.2	-0.3	0.0	24.7	26.1	2.7	0.0	2	2	0.0	20	86	8
34	3.12		30	3	1	-0.3	-0.3	-16.4		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.3	0.3	-16.0		0	1	6.0	4.0	1	0.2	-0.3	0.0	24.7	26.1	2.7	0.0	2	2	0.0	20	86	8
35	1.40		3	1	1	-1.5	-1.5	-75.2		1	5	6.0	4.0	1	0.1	-1.7	0.0	10.4	18.2	4.3	0.0	6	9	0.0	20	137	8
35	4.84		30	3	1	1.5	-1.5	-74.8		1	5	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	3.2	1.5	-74.2		1	6	6.0	4.0	1	0.1	-1.7	0.0	10.4	18.2	4.3	0.0	6	9	0.0	20	137	8
36	1.40		3	1	1	-1.5	0.9	-46.9		1	3	6.0	4.0	1	-0.2	-1.5	0.0	10.4	18.2	4.3	0.0	6	8	0.0	20	137	8
36	4.84		30	3	1	0.9	0.9	-46.4		1	3	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	2.5	-0.9	-45.8		0	4	6.0	4.0	1	-0.2	-1.5	0.0	10.4	18.2	4.3	0.0	6	8	0.0	20	137	8
37	1.40		1	1	1	-0.5	-0.5	-23.7		1	3	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
37	4.84		30	3	1	0.5	-0.5	-23.5		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.5	-0.5	-23.1		1	3	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
38	1.40		22	1	1	-0.7	0.0	-24.9		1	2	12.1		1	0.0	-0.2	0.0	22.5	22.5	7.4	0.0	1	1	0.0	8	137	8
38	4.84		20	3	1	0.7	0.0	-24.6		1	2	12.1		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	8	0	8
2.02	0.00		5	1	1	0.7	0.0	-24.0		1	2	12.1		1	0.0	-0.2	0.0	22.5	22.5	7.4	0.0	1	1	0.0	8	137	8
39	1.40		1	1	1	0.3	-0.3	-14.6		0	2	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
39	4.84		30	3	1	0.3	-0.3	-14.3		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.3	0.3	-14.0		0	2	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
40	1.40		1	1	1	-0.3	-0.3	-13.7		0	1	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
40	4.84		30	3	1	0.3	-0.3	-13.4		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.3	-0.3	-13.1		0	1	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
41	1.40		1	1	1	0.5	-0.4	-8.4		0	2	4.0	4.0	1	0.4	0.5	0.0	14.6	14.6	1.4	0.0	7	5	0.0	20	137	8
41	4.84		30	3	1	-0.4	0.3	-8.0		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-1.0	0.8	-7.7		3	4	4.0	4.0	1	0.4	0.5	0.0	14.6	14.6	1.4	0.0	7	5	0.0	20	137	8
42	1.40		1	1	1	-0.2	-0.2	-9.7		0	1	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
42	4.84		30	3	1	-0.2	-0.2	-9.5		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-0.2	0.2	-9.1		0	1	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
43	1.40		1	1	1	1.5	0.3	-12.7		2	3	4.0	4.0	1	-0.2	1.3	0.0	10.4	10.4	2.3	0.0	10	13	0.0	20	137	8
43	4.84		30	3	1	-0.7	-0.2	-12.3		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-2.1	-0.3	-12.0		5	5	4.0	4.0	1	-0.2	1.3	0.0	10.4	10.4	2.3	0.0	10	13	0.0	20	137	8
44	1.40		1	1	1	1.7	-0.2	-10.8		3	4	4.0	4.0	1	0.1	1.4	0.0	10.4	10.4	2.3	0.0	10	14	0.0	20	137	8
44	4.84		30	3	1	-0.7	0.2	-10.5		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-2.2	0.2	-10.2		6	5	4.0	4.0	1	0.1	1.4	0.0	10.4	10.4	2.3	0.0	10	14	0.0	20	137	8
45	1.40		1	1	1	1.1	0.3	-6.6		3	3	4.0	4.0	1	-0.3	0.9	0.0	10.4	10.4	2.3	0.0	8	9	0.0	20	137	8
45	4.84		30	3	1	-0.4	-0.2	-6.2		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-1.4	-0.5	-6.0		5	4	4.0	4.0	1	-0.3	0.9	0.0	10.4	10.4	2.3	0.0	8	9	0.0	20	137	8
128	1.40		28	1	1	-0.6	1.4	-28.8		0	1	3.0	1.0	1	-0.9	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
128	3.12		220	3	1	-0.6	0.8	-28.0		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	-0.5	-0.5	-26.9		0	1	3.0	1.0	1	-0.9	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
129	2.26		29	1	1	-0.2	0.2	-8.7		0	1	3.1	4.2	1	-0.1	-0.1	0.0	15.2	17.1	1.5	0.0	1	1	0.0	20	55	8
129	3.98		20	3	1	-0.2	0.2	-8.6		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.2	-0.2	-8.5		0	1	3.1	4.2	1	-0.1	-0.1	0.0	15.2	17.1	1.5	0.0	1	1	0.0	20	55	8
131	1.40		28	1	1	0.8	0.9	-40.9		0	1	3.0	1.0	1	-0.8	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
131	3.12		220	3	1	0.8	0.8	-40.1		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.8	-0.8	-39.0		0	1	3.0	1.0	1	-0.8	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
132	2.26		29	1	1	-0.3	0.3	-14.9		0	2	3.1	4.2	1	0.0	-0.3	0.0	16.0	18.0	1.5	0.0	2	2	0.0	20	55	8
132	3.98		20	3	1	0.3	0.3	-14.8		0	2	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.3	-0.3	-14.6		0	1	3.1	4.2	1	0.0	-0.3	0.0	16.0	18.0	1.5	0.0	2	2	0.0	20	55	8
160	1.40		30	1	1	0.9	0.5	-26.5		0	1	3.1	15.4	1	-0.1	0.5	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
160	3.12		20	3	1	0.6	-0.5	-25.9		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.5	-0.5	-25.0		0	1	3.1	15.4	1	-0.1	0.5	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
161	1.40		30	1	1	-0.5	-0.5	-24.1		0	1	3.1	15.4	1	0.0	1.1	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
161	3.12		20	3	1	-1.3	-0.5	-23.2		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-2.1	0.5	-22.6		0	1	3.1	15.4	1	0.0	1.1	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
162	1.40		30	1	1	-0.4	-0.4	-21.4		0	1	3.1	15.4	1	0.0	1.0	0.0	72.2	88.2	8.9	0.0	1	1	0.0	20	86	8
162	3.12		20	3	1	-1.3	-0.4	-20.4		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-2.0	0.4	-19.8		0	1	3.1	15.4	1	0.0	1.0	0.0	72.2	88.2	8.9	0.0	1	1	0.0	20	86	8
165	1.40		31	1	1	-2.0	0.9	-44.5		0	1	7.6	12.7	1	-0.5	-1.7	0.0	79.6	84.6	10.9	0.0	3	2	0.0	15	86	8
165	3.12		40	3	1	-0.9	0.9	-43.9		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	1.0	-0.9	-43.0		0	1	7.6	12.7	1	-0.5	-1.7	0.0	79.6	84.6	10.9	0.0	3	2	0.0	15	86	8
166	1.40		31	1	1	-1.4	-0.9	-46.1		0	1	7.6	12.7	1	0.7	-1.4	0.0	79.9	84.8	10.9	0.0	3	2	0.0	15	86	8
166	3.12		40	3	1	-0.9	-0.9	-45.5		1	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	1.1	0.9	-44.6		0	1	7.6	12.7	1	0.7	-1.4	0.0	79.9	84.8	10.9	0.0	3	2	0.0	15	86	8
167	1.40		22	1	1	0.3	0.0	-9.6		0	1	18.5		1	0.0	-0.2	0.0	25.7	25.7	8.2	0.0	1	1	0.0	10	142	8
167	4.84		20	3	1	0.3	0.0	-9.3		0	1	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.2	0.00		5	1	1	0.4	0.0	-8.7		0	1	18.5		1	0.0	-0.2	0.0	25.7	25.7	8.2	0.0	1	1	0.0	10	142	8
168	1.40		22	1	1	0.3	0.0	-9.3		0	1	18.5		1	0.0	-0.2	0.0	25.7	25.7	8.2	0.0	1	1	0.0	10	142	8
168	4.84		20	3	1	0.3	0.0	-9.0		0	1	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.2	0.00		5	1	1	0.4	0.0	-8.4		0	1	18.5		1	0.0	-0.2	0.0	25.7	25.7	8.2	0.0	1	1	0.0	10	142	8
33	3.12		3	1	1	0.4	-0.4	-17.8		0	1	6.0	4.0	1	-0.1	-0.4	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	51	8
33	4.84		30	3	1	0.4	-0.4	-17.6		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.5	-0.3	-17.4		0	1	6.0	4.0	1	-0.1	-0.4	0.0	10.4	18.2	4.3	0.0	2	2	0.0	20	51	8
34	3.12		3	1	1	0.4	-0.4	-17.7		0	1	6.0	4.0	1	0.2	-0.3	0.0	24.9	26.3	2.7	0.0	2	2	0.0	20	51	8
34	4.84		30	3	1	0.4	0.4	-17.6		0	1	6.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.5	0.3	-17.4		0	1	6.0	4.0	1	0.2	-0.3	0.0	24.9	26.3	2.7	0.0	2	2	0.0	20	51	8
128	3.12		28	1	1	0.5	0.6	-25.6		0	1	3.0	1.0	1	-0.7	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
128	4.84		220	3	1	0.5	0.5	-24.8		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.5	-0.6	-23.7		0	1	3.0	1.0	1	-0.7	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	86	8
129	3.98		29	1	1	0.1	0.1	-6.1		0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	86	8
129	5.70		20	3	1	0.1	0.1	-6.0		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.1	-0.1	-5.7		0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	86	8
130	2.26		29	1	1	0.1	0.1	-6.4		0	1	3.1	4.2	1	0.0	0.1	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	82	8
130	3.98		20	3	1	0.1	0.1	-6.2		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.1	-0.1	-6.0		0	1	3.1	4.2	1	0.0	0.1	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	82	8
131	3.12		28	1	1	-0.8	1.2	-39.4		0	1	3.0	1.0	1	-0.8	-0.2	0.0	42.5	3.3	6.3	0.0	1	5	0.0	40	86	8
131	4.84		220	3	1	-0.8	0.8	-38.6		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00		20	5	1	0.7	-0.7	-37.5		0	1	3.0	1.0	1	-0.8	-0.2	0.0	42.5	3.3	6.3	0.0	1	5	0.0	40	86	8
132	3.98		29	1	1	-0.3	0.2	-8.1		0	1	3.1	4.2	1	0.0	-0.3	0.0	15.1	17.0	1.5	0.0	2	1	0.0	20	86	8
132	5.70		20	3	1	-0.2	0.2	-7.9		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.2	-0.2	-7.7		0	1	3.1	4.2	1	0.0	-0.3	0.0	15.1	17.0	1.5	0.0	2	1	0.0	20	86	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
133	2.26		29	1	1	-0.2	0.2	-9.1		0	1	3.1	4.2	1	0.0	-0.2	0.0	15.2	17.1	1.5	0.0	1	1	0.0	20	82	8
133	3.98		20	3	1	-0.2	0.2	-9.0		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.2	-0.2	-8.7		0	1	3.1	4.2	1	0.0	-0.2	0.0	15.2	17.1	1.5	0.0	1	1	0.0	20	82	8
160	3.12		30	1	1	0.3	0.3	-17.4		0	0	3.1	15.4	1	0.0	0.2	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	86	8
160	4.84		20	3	1	0.3	0.3	-16.8		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-0.3	-0.3	-15.9		0	0	3.1	15.4	1	0.0	0.2	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	86	8
161	3.12		30	1	1	1.9	-0.4	-22.1		0	1	3.1	15.4	1	0.0	0.6	0.0	72.3	88.3	8.9	0.0	1	1	0.0	20	86	8
161	4.84		20	3	1	1.5	-0.4	-21.5		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.8	0.4	-20.6		0	1	3.1	15.4	1	0.0	0.6	0.0	72.3	88.3	8.9	0.0	1	1	0.0	20	86	8
162	3.12		30	1	1	2.6	-0.4	-21.9		0	1	3.1	15.4	1	0.0	1.4	0.0	72.2	88.3	8.9	0.0	2	2	0.0	20	86	8
162	4.84		20	3	1	1.6	-0.4	-21.3		0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.4	0.4	-20.4		0	1	3.1	15.4	1	0.0	1.4	0.0	72.2	88.3	8.9	0.0	2	2	0.0	20	86	8
165	3.12		31	1	1	1.3	-0.8	-42.1		0	1	7.6	12.7	1	-0.5	-1.7	0.0	79.4	84.3	10.9	0.0	3	2	0.0	15	51	8
165	4.84		40	3	1	2.3	-0.8	-41.6		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	3.0	-0.8	-41.2		0	1	7.6	12.7	1	-0.5	-1.7	0.0	79.4	84.3	10.9	0.0	3	2	0.0	15	51	8
166	3.12		31	1	1	1.5	-0.9	-42.8		0	1	7.6	12.7	1	0.7	-1.4	0.0	79.5	84.4	10.9	0.0	3	2	0.0	15	51	8
166	4.84		40	3	1	2.3	0.8	-42.3		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	2.9	0.8	-42.0		0	1	7.6	12.7	1	0.7	-1.4	0.0	79.5	84.4	10.9	0.0	3	2	0.0	15	51	8
1	4.84		2	1	1	2.0	-0.6	-32.1		0	4	4.0	4.0	1	0.3	1.6	0.0	10.4	14.3	3.3	0.0	8	11	0.0	20	137	8
1	8.28		30	3	1	0.6	-0.6	-31.7		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-2.3	0.6	-31.2		0	4	4.0	4.0	1	0.3	1.6	0.0	10.4	14.3	3.3	0.0	8	11	0.0	20	137	8
2	4.84		2	1	1	3.4	-0.8	-42.1		1	5	4.0	4.0	1	0.4	2.6	0.0	10.4	14.3	3.3	0.0	13	18	0.0	20	137	8
2	8.28		30	3	1	-0.9	0.8	-41.7		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-3.8	0.8	-41.3		1	6	4.0	4.0	1	0.4	2.6	0.0	10.4	14.3	3.3	0.0	13	18	0.0	20	137	8
3	4.84		2	1	1	3.5	0.8	-40.8		1	5	4.0	4.0	1	-0.4	2.7	0.0	10.4	14.3	3.3	0.0	13	19	0.0	20	137	8
3	8.28		30	3	1	-0.9	-0.8	-40.3		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-3.9	-0.8	-40.0		1	6	4.0	4.0	1	-0.4	2.7	0.0	10.4	14.3	3.3	0.0	13	19	0.0	20	137	8
4	4.84		2	1	1	1.8	1.0	-48.7		1	5	4.0	4.0	1	0.0	1.5	0.0	10.4	14.3	3.3	0.0	6	10	0.0	20	137	8
4	8.28		30	3	1	1.0	1.0	-48.4		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-2.3	-1.0	-47.9		0	5	4.0	4.0	1	0.0	1.5	0.0	10.4	14.3	3.3	0.0	6	10	0.0	20	137	8
5	4.84		2	1	1	1.2	0.9	-47.4		1	4	4.0	4.0	1	0.0	1.3	0.0	10.4	14.3	3.3	0.0	6	9	0.0	20	137	8
5	8.28		30	3	1	-0.9	-0.9	-47.0		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-2.3	-0.9	-46.5		0	5	4.0	4.0	1	0.0	1.3	0.0	10.4	14.3	3.3	0.0	6	9	0.0	20	137	8
6	4.84		2	1	1	1.4	-1.0	-48.6		1	4	4.0	4.0	1	0.0	1.3	0.0	24.2	25.0	2.2	0.0	5	4	0.0	20	137	8
6	8.28		30	3	1	-1.0	-1.0	-48.2		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.33	0.00		40	5	1	-2.1	1.0	-47.7		0	5	4.0	4.0	1	0.0	1.3	0.0	24.2	25.0	2.2	0.0	5	4	0.0	20	137	8
7	4.84		2	1	1	2.9	-0.8	-41.1		0	5	4.0	4.0	1	0.4	2.4	0.0	10.4	14.3	3.3	0.0	12	17	0.0	20	137	8
7	8.28		30	3	1	-1.1	0.8	-40.6		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-3.7	0.8	-40.3		1	6	4.0	4.0	1	0.4	2.4	0.0	10.4	14.3	3.3	0.0	12	17	0.0	20	137	8
8	4.84		2	1	1	2.9	0.8	-42.1		0	5	4.0	4.0	1	-0.3	2.4	0.0	10.4	14.3	3.3	0.0	12	17	0.0	20	137	8
8	8.28		30	3	1	-1.1	-0.8	-41.6		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-3.7	-0.8	-41.3		1	6	4.0	4.0	1	-0.3	2.4	0.0	10.4	14.3	3.3	0.0	12	17	0.0	20	137	8
9	4.84		2	1	1	2.4	0.6	-32.5		0	4	4.0	4.0	1	-0.3	1.8	0.0	10.4	14.3	3.3	0.0	9	13	0.0	20	137	8
9	8.28		30	3	1	0.6	0.6	-32.1		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-2.6	-0.6	-31.6		1	4	4.0	4.0	1	-0.3	1.8	0.0	10.4	14.3	3.3	0.0	9	13	0.0	20	137	8
10	4.84		2	1	1	-0.9	-0.9	-45.6		1	4	4.0	4.0	1	0.1	-0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
10	8.28		30	3	1	-0.9	-0.9	-45.3		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	0.9	-0.9	-44.8		1	4	4.0	4.0	1	0.1	-0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
11	4.84		2	1	1	-1.2	1.2	-60.5		1	5	4.0	4.0	1	0.0	-0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
11	8.28		30	3	1	-1.2	-1.2	-60.2		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.2	-1.2	-59.7		1	5	4.0	4.0	1	0.0	-0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
12	4.84		2	1	1	1.2	1.2	-60.8		1	5	4.0	4.0	2	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
12	8.28		30	3	1	1.2	-1.2	-60.4		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.2	-1.2	-60.0		1	5	4.0	4.0	2	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
13	4.84		2	1	1	1.2	1.2	-59.8		1	5	4.0	4.0	1	0.0	0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
13	8.28		30	3	1	1.2	-1.2	-59.5		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.2	-1.2	-59.0		1	5	4.0	4.0	1	0.0	0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
14	4.84		2	1	1	1.2	1.2	-59.1		1	5	4.0	4.0	2	0.0	0.1	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
14	8.28		30	3	1	1.2	-1.2	-58.7		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.2	-1.2	-58.2		1	5	4.0	4.0	2	0.0	0.1	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
15	4.84		2	1	1	1.2	-1.2	-59.3		1	5	4.0	4.0	1	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	137	8
15	8.28		30	3	1	1.2	-1.2	-59.0		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.2	-1.2	-58.5		1	5	4.0	4.0	1	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	2	0.0	20	137	8
16	4.84		2	1	1	1.2	1.2	-60.9		1	5	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
16	8.28		30	3	1	1.2	-1.2	-60.5		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.2	-1.2	-60.0		1	5	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
17	4.84		2	1	1	1.2	1.2	-60.6		1	5	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
17	8.28		30	3	1	1.2	-1.2	-60.3		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-1.2	-1.2	-59.8		1	5	4.0	4.0	2	0.0	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
18	4.84		2	1	1	0.9	0.9	-45.4		1	4	4.0	4.0	1	-0.1	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
18	8.28		30	3	1	0.9	0.9	-45.1		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	-0.9	-0.9	-44.6		1	4	4.0	4.0	1	-0.1	0.2	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
19	4.84		2	1	1	-0.9	-0.9	-45.6		1	4	4.0	4.0	1	0.1	-0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
19	8.28		30	3	1	-0.9	-0.9	-45.3		1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	0.9	-0.9	-44.8		1	4	4.0	4.0	1	0.1	-0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
20	4.84		2	1	1	-1.2	1.2	-59.2		1	5	4.0	4.0	2	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8
20	8.28		30	3	1	-1.2	1.2	-58.9		1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	1.2	-1.2	-58.4		1	5	4.0	4.0	2	0.0	0.0	0.0	10.4	14.3	3.3	0.0	0	0	0.0	20	137	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
21	4.84	2	1	1	-1.2	-1.2	-60.7	1	5	4.0	4.0	1	0.1	-0.9	0.0	10.4	14.3	3.3	0.0	4	6	0.0	20	137	8
21	8.28	30	3	1	-1.2	1.2	-60.4	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.3	1.2	-59.9	1	5	4.0	4.0	1	0.1	-0.9	0.0	10.4	14.3	3.3	0.0	4	6	0.0	20	137	8
22	4.84	2	1	1	-1.2	1.2	-59.4	1	5	4.0	4.0	1	-0.1	-0.9	0.0	10.4	14.3	3.3	0.0	4	6	0.0	20	137	8
22	8.28	30	3	1	-1.2	-1.2	-59.0	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.2	-1.2	-58.5	1	5	4.0	4.0	1	-0.1	-0.9	0.0	10.4	14.3	3.3	0.0	4	6	0.0	20	137	8
23	4.84	2	1	1	1.2	1.2	-58.4	1	5	4.0	4.0	1	0.0	0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
23	8.28	30	3	1	1.2	1.2	-58.1	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.2	-1.2	-57.6	1	5	4.0	4.0	1	0.0	0.1	0.0	10.4	14.3	3.3	0.0	1	1	0.0	20	137	8
24	4.84	2	1	1	-1.2	-2.2	-60.7	1	6	4.0	4.0	1	1.6	-0.8	0.0	10.4	14.3	3.3	0.0	11	16	0.0	20	137	8
24	8.28	30	3	1	-1.2	-1.2	-60.4	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.2	2.3	-59.9	1	6	4.0	4.0	1	1.6	-0.8	0.0	10.4	14.3	3.3	0.0	11	16	0.0	20	137	8
25	4.84	2	1	1	-1.2	2.2	-61.6	1	6	4.0	4.0	1	-1.6	-0.8	0.0	10.4	14.3	3.3	0.0	11	16	0.0	20	137	8
25	8.28	30	3	1	-1.2	1.2	-61.2	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.2	-2.3	-60.7	1	6	4.0	4.0	1	-1.6	-0.8	0.0	10.4	14.3	3.3	0.0	11	16	0.0	20	137	8
26	4.84	2	1	1	1.2	1.2	-58.9	1	5	4.0	4.0	1	0.0	0.4	0.0	10.4	14.3	3.3	0.0	2	3	0.0	20	137	8
26	8.28	30	3	1	1.2	1.2	-58.5	1	5	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-1.2	-1.2	-58.0	1	5	4.0	4.0	1	0.0	0.4	0.0	10.4	14.3	3.3	0.0	2	3	0.0	20	137	8
27	4.84	2	1	1	0.9	0.9	-45.8	1	4	4.0	4.0	1	-0.1	0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	137	8
27	8.28	30	3	1	0.9	0.9	-45.4	1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	-0.9	0.9	-44.9	1	4	4.0	4.0	1	-0.1	0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	137	8
28	4.84	2	1	1	-2.4	-0.6	-31.5	0	4	4.0	4.0	1	0.2	-1.8	0.0	10.4	14.3	3.3	0.0	9	13	0.0	20	137	8
28	8.28	30	3	1	0.6	0.6	-31.0	1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	2.6	0.6	-30.7	1	4	4.0	4.0	1	0.2	-1.8	0.0	10.4	14.3	3.3	0.0	9	13	0.0	20	137	8
29	4.84	2	1	1	-2.4	1.0	-50.3	0	5	4.0	4.0	1	0.0	-1.8	0.0	10.4	14.3	3.3	0.0	8	12	0.0	20	137	8
29	8.28	30	3	1	-1.0	1.0	-50.0	1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	2.5	1.0	-49.5	0	5	4.0	4.0	1	0.0	-1.8	0.0	10.4	14.3	3.3	0.0	8	12	0.0	20	137	8
30	4.84	2	1	1	-1.8	0.6	-29.5	0	3	4.0	4.0	1	-0.2	-1.4	0.0	10.4	14.3	3.3	0.0	7	10	0.0	20	137	8
30	8.28	30	3	1	-0.6	0.6	-29.1	1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	2.0	-0.6	-28.6	0	3	4.0	4.0	1	-0.2	-1.4	0.0	10.4	14.3	3.3	0.0	7	10	0.0	20	137	8
31	4.84	2	1	1	-1.8	-0.6	-29.2	0	3	4.0	4.0	1	0.2	-1.4	0.0	10.4	14.3	3.3	0.0	7	9	0.0	20	137	8
31	8.28	30	3	1	-0.6	-0.6	-28.9	1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	1.9	0.6	-28.4	0	3	4.0	4.0	1	0.2	-1.4	0.0	10.4	14.3	3.3	0.0	7	9	0.0	20	137	8
32	4.84	2	1	1	-2.2	1.0	-49.4	0	5	4.0	4.0	1	0.0	-1.7	0.0	10.4	14.3	3.3	0.0	7	12	0.0	20	137	8
32	8.28	30	3	1	-1.0	1.0	-49.1	1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	2.3	-1.0	-48.6	0	5	4.0	4.0	1	0.0	-1.7	0.0	10.4	14.3	3.3	0.0	7	12	0.0	20	137	8
33	4.84	2	1	1	-0.3	0.2	-9.6	0	1	4.0	4.0	1	-0.1	-0.2	0.0	19.3	19.9	2.0	0.0	2	2	0.0	20	91	8
33	6.65	30	3	1	-0.2	0.2	-9.3	0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	0.2	-0.2	-9.0	0	1	4.0	4.0	1	-0.1	-0.2	0.0	19.3	19.9	2.0	0.0	2	2	0.0	20	91	8
34	4.84	2	1	1	-0.3	-0.2	-9.9	0	1	4.0	4.0	1	0.1	-0.2	0.0	19.3	20.0	2.0	0.0	2	2	0.0	20	91	8
34	6.65	30	3	1	-0.2	-0.2	-9.6	0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	0.2	0.2	-9.3	0	1	4.0	4.0	1	0.1	-0.2	0.0	19.3	20.0	2.0	0.0	2	2	0.0	20	91	8
35	4.84	2	1	1	-2.3	1.0	-49.8	0	5	4.0	4.0	1	0.0	-1.7	0.0	10.4	14.3	3.3	0.0	7	12	0.0	20	137	8
35	8.28	30	3	1	-1.0	1.0	-49.5	1	4	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	2.3	1.0	-49.0	0	5	4.0	4.0	1	0.0	-1.7	0.0	10.4	14.3	3.3	0.0	7	12	0.0	20	137	8
36	4.84	2	1	1	-2.0	0.6	-31.1	0	4	4.0	4.0	1	-0.2	-1.6	0.0	10.4	14.3	3.3	0.0	8	11	0.0	20	137	8
36	8.28	30	3	1	-0.6	0.6	-30.8	1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	40	5	1	2.3	-0.6	-30.3	0	4	4.0	4.0	1	-0.2	-1.6	0.0	10.4	14.3	3.3	0.0	8	11	0.0	20	137	8
128	4.84	28	1	1	-0.4	0.7	-22.4	0	1	3.0	1.0	1	-0.6	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	91	8
128	6.65	220	3	1	-0.4	0.4	-21.6	0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	-0.4	-0.5	-20.4	0	0	3.0	1.0	1	-0.6	0.0	0.0	42.5	3.3	6.3	0.0	1	2	0.0	40	91	8
129	5.70	29	1	1	-0.1	0.1	-7.0	0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	58	8
129	7.46	20	3	1	-0.1	0.1	-6.9	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-0.1	-0.1	-6.7	0	1	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	58	8
130	3.98	29	1	1	0.1	0.1	-6.0	0	1	3.1	4.2	1	0.0	0.1	0.0	14.8	16.7	1.5	0.0	1	1	0.0	20	71	8
130	5.84	20	3	1	-0.1	0.1	-5.8	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	-0.2	-0.1	-5.6	0	1	3.1	4.2	1	0.0	0.1	0.0	14.8	16.7	1.5	0.0	1	1	0.0	20	71	8
131	4.84	28	1	1	0.6	0.6	-31.0	0	1	3.0	1.0	1	0.3	-0.1	0.0	42.5	3.3	6.3	0.0	0	2	0.0	40	91	8
131	6.65	220	3	1	0.6	0.9	-29.9	0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	0.6	1.1	-29.1	0	1	3.0	1.0	1	0.3	-0.1	0.0	42.5	3.3	6.3	0.0	0	2	0.0	40	91	8
132	5.70	29	1	1	-0.2	-0.2	-11.4	0	1	3.1	4.2	1	0.0	-0.4	0.0	15.5	17.5	1.5	0.0	2	2	0.0	20	58	8
132	7.46	20	3	1	0.2	0.2	-11.2	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.4	0.2	-11.1	0	1	3.1	4.2	1	0.0	-0.4	0.0	15.5	17.5	1.5	0.0	2	2	0.0	20	58	8
133	3.98	29	1	1	-0.2	-0.2	-10.6	0	1	3.1	4.2	1	0.0	-0.4	0.0	15.4	17.4	1.5	0.0	3	2	0.0	20	71	8
133	5.84	20	3	1	0.2	0.2	-10.4	0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	0.4	0.2	-10.2	0	1	3.1	4.2	1	0.0	-0.4	0.0	15.4	17.4	1.5	0.0	3	2	0.0	20	71	8
160	4.84	30	1	1	0.4	0.4	-20.8	0	1	3.1	15.4	1	0.0	0.4	0.0	72.1	88.1	8.9	0.0	1	0	0.0	20	91	8
160	6.65	20	3	1	-0.4	-0.4	-20.1	0	1	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	-0.5	-0.4	-19.2	0	1	3.1	15.4	1	0.0	0.4	0.0	72.1	88.1	8.9	0.0	1	0	0.0	20	91	8
161	4.84	30	1	1	-1.4	-0.3	-14.2	0	0	3.1	15.4	2	0.0	0.6	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	91	8
161	6.65	20	3	1	-2.0	0.3	-13.3	0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	-2.4	0.3	-12.6	0	0	3.1	15.4	2	0.0	0.6	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	91	8
162	4.84	30	1	1	-0.9	-0.3	-14.7	0	0	3.1	15.4	1	0.0	1.1	0.0	71.3	87.2	8.9	0.0	1	1	0.0	20	91	8
162	6.65	20	3	1	-2.1	0.3	-13.8	0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	180	5	1	-2.8	0.3	-13.1	0	0	3.1	15.4	1	0.0	1.1	0.0	71.3	87.2	8.9	0.0	1	1	0.0	20	91	8
165	4.84	31	1	1	-3.0	0.8	-32.1	0	1	7.6	12.7	1	-0.6	-2.2	0.0	77.9	82.7	10.9	0.0	4	3	0.0	15	91	8
165	6.65	40	3	1	-1.4	0.6	-31.5	0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	85	5	1	1.0	-0.6	-30.5	0	1	7.6	12.7	1	-0.6	-2.2	0.0	77.9	82.7	10.9	0.0	4	3	0.0	15	91	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
166	4.84		31	1	1	-2.9	-0.8	-32.4		0	1	7.6	12.7	1	0.7	-2.2	0.0	77.9	82.8	10.9	0.0	4	3	0.0	15	91	8
166	6.65		40	3	1	-1.3	-0.6	-31.8		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	1.1	0.6	-30.8		0	1	7.6	12.7	1	0.7	-2.2	0.0	77.9	82.8	10.9	0.0	4	3	0.0	15	91	8
167	4.84		22	1	1	-0.4	0.0	-6.5		0	1	18.5		1	0.0	-0.3	0.0	25.5	25.5	8.1	0.0	1	1	0.0	10	142	8
167	8.28		20	3	1	-0.2	0.0	-6.2		0	0	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.18	0.00			5	1	0.4	0.0	-5.6		0	1	18.5		1	0.0	-0.3	0.0	25.5	25.5	8.1	0.0	1	1	0.0	10	142	8
168	4.84		22	1	1	-0.4	0.0	-6.3		0	1	18.5		1	0.0	-0.3	0.0	25.5	25.5	8.1	0.0	1	1	0.0	10	142	8
168	8.28		20	3	1	-0.2	0.0	-5.9		0	0	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.18	0.00			5	1	0.4	0.0	-5.4		0	1	18.5		1	0.0	-0.3	0.0	25.5	25.5	8.1	0.0	1	1	0.0	10	142	8
33	6.65		2	1	1	0.2	-0.2	-10.0		0	1	4.0	4.0	1	-0.1	-0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	46	8
33	8.28		30	3	1	0.2	-0.2	-9.8		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	0.3	-0.2	-9.7		0	1	4.0	4.0	1	-0.1	-0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	46	8
34	6.65		2	1	1	0.2	0.2	-10.3		0	1	4.0	4.0	1	0.1	-0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	46	8
34	8.28		30	3	1	0.2	0.2	-10.2		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		40	5	1	0.3	0.2	-10.0		0	1	4.0	4.0	1	0.1	-0.3	0.0	10.4	14.3	3.3	0.0	2	2	0.0	20	46	8
128	6.65		28	1	1	0.3	0.3	-17.0		0	0	3.0	1.0	1	-0.6	0.0	0.0	76.3	65.1	7.1	0.0	1	1	0.0	20	81	8
128	8.28		220	3	1	0.3	-0.3	-15.9		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		20	5	1	-0.3	-0.7	-15.2		0	0	3.0	1.0	1	-0.6	0.0	0.0	76.3	65.1	7.1	0.0	1	1	0.0	20	81	8
129	7.46		29	1	1	0.1	-0.1	-4.2		0	0	3.1	4.2	1	0.0	0.0	0.0	14.6	16.4	1.5	0.0	0	0	0.0	20	84	8
129	9.14		20	3	1	0.1	-0.1	-4.0		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.1	-0.1	-3.7		0	0	3.1	4.2	1	0.0	0.0	0.0	14.6	16.4	1.5	0.0	0	0	0.0	20	84	8
130	5.84		29	1	1	0.1	0.1	-4.3		0	0	3.1	4.2	1	0.0	0.1	0.0	14.6	16.4	1.5	0.0	1	1	0.0	20	75	8
130	7.42		20	3	1	0.1	0.1	-4.1		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	-0.1	-0.1	-3.9		0	0	3.1	4.2	1	0.0	0.1	0.0	14.6	16.4	1.5	0.0	1	1	0.0	20	75	8
131	6.65		28	1	1	-0.5	-0.5	-25.8		0	1	3.0	1.0	1	0.3	-0.2	0.0	85.0	6.6	12.7	0.0	1	4	0.0	20	81	8
131	8.28		220	3	1	-0.5	-0.5	-25.1		0	1	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		20	5	1	0.5	0.5	-24.0		0	1	3.0	1.0	1	0.3	-0.2	0.0	85.0	6.6	12.7	0.0	1	4	0.0	20	81	8
132	7.46		29	1	1	-0.4	0.1	-4.9		0	1	3.1	4.2	1	0.0	-0.3	0.0	14.7	16.5	1.5	0.0	2	2	0.0	20	84	8
132	9.14		20	3	1	-0.2	0.1	-4.7		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.2	-0.1	-4.5		0	0	3.1	4.2	1	0.0	-0.3	0.0	14.7	16.5	1.5	0.0	2	2	0.0	20	84	8
133	5.84		29	1	1	-0.3	0.1	-5.4		0	1	3.1	4.2	1	0.0	-0.2	0.0	14.7	16.6	1.5	0.0	2	1	0.0	20	75	8
133	7.42		20	3	1	-0.2	0.1	-5.2		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		50	5	1	0.1	-0.1	-5.0		0	1	3.1	4.2	1	0.0	-0.2	0.0	14.7	16.6	1.5	0.0	2	1	0.0	20	75	8
160	6.65		30	1	1	0.4	0.2	-9.6		0	0	3.1	15.4	2	0.0	0.3	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	81	8
160	8.28		20	3	1	0.2	0.2	-9.0		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	-0.2	-0.2	-8.2		0	0	3.1	15.4	2	0.0	0.3	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	81	8
161	6.65		30	1	1	1.7	-0.3	-14.6		0	0	3.1	15.4	2	0.0	0.4	0.0	71.3	87.2	8.9	0.0	1	0	0.0	20	81	8
161	8.28		20	3	1	1.4	-0.3	-14.0		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	1.1	0.3	-13.2		0	0	3.1	15.4	2	0.0	0.4	0.0	71.3	87.2	8.9	0.0	1	0	0.0	20	81	8
162	6.65		30	1	1	2.3	-0.3	-13.6		0	0	3.1	15.4	1	0.0	1.1	0.0	71.2	87.1	8.9	0.0	1	1	0.0	20	81	8
162	8.28		20	3	1	1.5	-0.3	-13.1		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		180	5	1	0.4	0.2	-12.2		0	0	3.1	15.4	1	0.0	1.1	0.0	71.2	87.1	8.9	0.0	1	1	0.0	20	81	8
165	6.65		31	1	1	1.4	-0.6	-29.6		0	1	7.6	12.7	1	-0.6	-2.1	0.0	77.7	82.5	10.9	0.0	3	3	0.0	15	46	8
165	8.28		40	3	1	2.6	-0.6	-29.1		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	3.4	-0.7	-28.8		0	1	7.6	12.7	1	-0.6	-2.1	0.0	77.7	82.5	10.9	0.0	3	3	0.0	15	46	8
166	6.65		31	1	1	1.4	0.6	-29.9		0	1	7.6	12.7	1	0.7	-2.1	0.0	77.7	82.5	10.9	0.0	3	3	0.0	15	46	8
166	8.28		40	3	1	2.6	0.6	-29.4		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00		85	5	1	3.4	0.7	-29.1		0	1	7.6	12.7	1	0.7	-2.1	0.0	77.7	82.5	10.9	0.0	3	3	0.0	15	46	8
1	8.28		1	1	1	1.0	-0.3	-14.1		0	3	4.0	4.0	1	0.2	0.7	0.0	10.4	10.4	2.3	0.0	6	7	0.0	20	137	8
1	11.72		30	3	1	0.3	-0.3	-13.9		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-1.0	0.3	-13.5		1	3	4.0	4.0	1	0.2	0.7	0.0	10.4	10.4	2.3	0.0	6	7	0.0	20	137	8
2	8.28		1	1	1	1.8	-0.7	-18.1		2	5	4.0	4.0	1	0.6	1.3	0.0	10.4	10.4	2.3	0.0	12	13	0.0	20	137	8
2	11.72		30	3	1	-0.4	0.4	-17.7		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-1.8	0.9	-17.4		3	5	4.0	4.0	1	0.6	1.3	0.0	10.4	10.4	2.3	0.0	12	13	0.0	20	137	8
3	8.28		1	1	1	1.9	0.7	-17.4		3	5	4.0	4.0	1	-0.6	1.4	0.0	10.4	10.4	2.3	0.0	13	13	0.0	20	137	8
3	11.72		30	3	1	-0.4	-0.3	-17.1		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-1.9	-0.9	-16.8		4	6	4.0	4.0	1	-0.6	1.4	0.0	10.4	10.4	2.3	0.0	13	13	0.0	20	137	8
4	8.28		1	1	1	0.9	0.4	-21.2		0	3	4.0	4.0	1	0.0	0.6	0.0	22.2	22.2	1.9	0.0	3	3	0.0	20	137	8
4	11.72		30	3	1	0.4	-0.4	-21.0		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.84	0.00		30	5	1	-0.8	-0.4	-20.6		0	3	4.0	4.0	1	0.0	0.6	0.0	22.2	22.2	1.9	0.0	3	3	0.0	20	137	8
5	8.28		1	1	1	1.2	-0.4	-20.6		0	3	4.0	4.0	1	0.0	0.8	0.0	22.1	22.1	1.7	0.0	4	4	0.0	20	137	8
5	11.72		30	3	1	0.4	-0.4	-20.4		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.84	0.00		30	5	1	-1.0	-0.4	-20.0		0	3	4.0	4.0	1	0.0	0.8	0.0	22.1	22.1	1.7	0.0	4	4	0.0	20	137	8
6	8.28		1	1	1	1.0	-0.4	-20.9		0	3	4.0	4.0	1	0.0	0.7	0.0	22.1	22.1	1.9	0.0	3	3	0.0	20	137	8
6	11.72		30	3	1	0.4	-0.4	-20.6		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.84	0.00		30	5	1	-0.8	0.4	-20.3		0	3	4.0	4.0	1	0.0	0.7	0.0	22.1	22.1	1.9	0.0	3	3	0.0	20	137	8
7	8.28		1	1	1	2.0	-0.8	-17.5		4	6	4.0	4.0	1	0.6	1.5	0.0	10.4	10.4	2.3	0.0	13	14	0.0	20	137	8
7	11.72		30	3	1	-0.4	0.3	-17.1		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-2.0	0.9	-16.8		4	6	4.0	4.0	1	0.6	1.5	0.0	10.4	10.4	2.3	0.0	13	14	0.0	20	137	8
8	8.28		1	1	1	2.1	0.6	-18.1		3	5	4.0	4.0	1	-0.5	1.5	0.0	10.4	10.4	2.3	0.0	13	14	0.0	20	137	8
8	11.72		30	3	1	0.4	0.4	-17.8		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-2.0	-0.8	-17.5		4	6	4.0	4.0	1	-0.5	1.5	0.0	10.4	10.4	2.3	0.0	13	14	0.0	20	137	8
9	8.28		1	1	1	1.4	0.3	-14.3		1	3	4.0	4.0	1	-0.2	1.0	0.0	10.4	10.4	2.3	0.0	8	10	0.0	20	137	8
9	11.72		30	3	1	-0.3	-0.3	-13.9		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	-1.4	-0.3	-13.6		2	3	4.0	4.0	1	-0.2	1.0	0.0	10.4	10.4	2.3	0.0	8	10	0.0	20	137	8
10	8.28		1	1	1	-0.4	0.4	-18.8		0	2	4.0	4.0	1	0.0	-0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
10	11.72		30	3	1	-0.4	0.4	-18.6		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00		30	5	1	0.4	-0.4	-18.2		0	2	4.0	4.0	1	0.0	-0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
11	8.28	1	1	1	1	-0.5	-0.5	-24.9		1	3	4.0	4.0	2	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
11	11.72	30	3	1	1	-0.5	-0.5	-24.6		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	0.5	0.5	-24.3		1	3	4.0	4.0	2	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
12	8.28	1	1	1	1	-0.5	-0.5	-24.9		1	3	4.0	4.0	1	0.0	0.0	0.0	22.2	22.2	1.7	0.0	0	0	0.0	20	137	8
12	11.72	30	3	1	1	-0.5	-0.5	-24.7		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.88	0.00	30	5	1	1	0.5	-0.5	-24.3		1	3	4.0	4.0	1	0.0	0.0	0.0	22.2	22.2	1.7	0.0	0	0	0.0	20	137	8
13	8.28	1	1	1	1	0.5	-0.5	-24.3		1	3	4.0	4.0	1	0.0	0.1	0.0	22.3	22.3	1.9	0.0	1	0	0.0	20	137	8
13	11.72	30	3	1	1	0.5	-0.5	-24.1		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.88	0.00	30	5	1	1	-0.5	0.5	-23.7		1	3	4.0	4.0	1	0.0	0.1	0.0	22.3	22.3	1.9	0.0	1	0	0.0	20	137	8
14	8.28	1	1	1	1	0.5	-0.5	-24.0		1	3	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
14	11.72	30	3	1	1	-0.5	-0.5	-23.7		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	-0.5	-0.5	-23.3		1	3	4.0	4.0	1	0.0	0.0	0.0	10.4	10.4	2.3	0.0	0	0	0.0	20	137	8
15	8.28	1	1	1	1	0.5	-0.5	-24.1		1	3	4.0	4.0	1	0.0	0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
15	11.72	30	3	1	1	0.5	-0.5	-23.9		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	-0.5	0.5	-23.5		1	3	4.0	4.0	1	0.0	0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
16	8.28	1	1	1	1	0.5	-0.5	-25.0		1	3	4.0	4.0	1	0.0	0.1	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
16	11.72	30	3	1	1	0.5	-0.5	-24.8		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.89	0.00	30	5	1	1	-0.5	-0.5	-24.4		1	3	4.0	4.0	1	0.0	0.1	0.0	22.3	22.3	1.7	0.0	1	1	0.0	20	137	8
17	8.28	1	1	1	1	0.5	-0.5	-24.8		1	3	4.0	4.0	1	0.0	0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
17	11.72	30	3	1	1	0.5	-0.5	-24.6		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	-0.5	-0.5	-24.2		1	3	4.0	4.0	1	0.0	0.1	0.0	10.4	10.4	2.3	0.0	1	1	0.0	20	137	8
18	8.28	1	1	1	1	0.4	-0.4	-18.7		0	2	4.0	4.0	1	0.0	0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
18	11.72	30	3	1	1	0.4	-0.4	-18.5		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	-0.4	0.4	-18.1		0	2	4.0	4.0	1	0.0	0.2	0.0	10.4	10.4	2.3	0.0	1	2	0.0	20	137	8
19	8.28	1	1	1	1	-0.4	0.4	-18.8		0	2	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
19	11.72	30	3	1	1	-0.4	0.4	-18.6		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	0.4	-0.4	-18.2		0	2	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
20	8.28	1	1	1	1	-0.5	-0.5	-24.0		1	3	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
20	11.72	30	3	1	1	-0.5	-0.5	-23.7		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	0.5	-0.5	-23.4		1	3	4.0	4.0	1	0.0	-0.1	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
21	8.28	1	1	1	1	-0.6	0.6	-29.4		1	3	4.0	4.0	1	-0.4	-0.3	0.0	16.9	16.9	1.4	0.0	4	4	0.0	20	137	8
21	11.72	30	3	1	1	-0.6	-0.6	-29.1		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	0.6	-0.8	-28.8		1	3	4.0	4.0	1	-0.4	-0.3	0.0	16.9	16.9	1.4	0.0	4	4	0.0	20	137	8
22	8.28	1	1	1	1	-0.6	-0.6	-27.9		1	3	4.0	4.0	1	0.4	-0.4	0.0	16.9	16.9	1.4	0.0	5	4	0.0	20	137	8
22	11.72	30	3	1	1	-0.6	0.6	-27.7		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	0.5	0.8	-27.3		0	3	4.0	4.0	1	0.4	-0.4	0.0	16.9	16.9	1.4	0.0	5	4	0.0	20	137	8
23	8.28	1	1	1	1	0.5	-0.5	-23.7		1	3	4.0	4.0	1	0.0	0.1	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
23	11.72	30	3	1	1	0.5	-0.5	-23.5		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	-0.5	-0.5	-23.1		1	3	4.0	4.0	1	0.0	0.1	0.0	10.4	10.4	2.3	0.0	0	1	0.0	20	137	8
24	8.28	1	1	1	1	-0.6	-1.7	-29.1		0	5	4.0	4.0	1	1.2	-0.4	0.0	10.4	10.4	2.3	0.0	9	12	0.0	20	137	8
24	11.72	30	3	1	1	-0.6	-0.6	-28.8		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	0.6	1.7	-28.5		0	5	4.0	4.0	1	1.2	-0.4	0.0	10.4	10.4	2.3	0.0	9	12	0.0	20	137	8
25	8.28	1	1	1	1	-0.6	1.7	-29.4		0	5	4.0	4.0	1	-1.2	-0.3	0.0	10.4	10.4	2.3	0.0	9	12	0.0	20	137	8
25	11.72	30	3	1	1	-0.6	0.6	-29.1		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	0.6	-1.6	-28.7		0	5	4.0	4.0	1	-1.2	-0.3	0.0	10.4	10.4	2.3	0.0	9	12	0.0	20	137	8
26	8.28	1	1	1	1	0.5	-0.5	-23.9		1	3	4.0	4.0	1	0.0	0.2	0.0	22.2	22.2	1.7	0.0	1	1	0.0	20	137	8
26	11.72	30	3	1	1	0.5	-0.5	-23.6		1	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.87	0.00	30	5	1	1	-0.5	-0.5	-23.2		1	3	4.0	4.0	1	0.0	0.2	0.0	22.2	22.2	1.7	0.0	1	1	0.0	20	137	8
27	8.28	1	1	1	1	0.4	-0.4	-18.9		0	2	4.0	4.0	1	0.0	0.3	0.0	10.4	10.4	2.3	0.0	2	3	0.0	20	137	8
27	11.72	30	3	1	1	0.4	-0.4	-18.7		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	-0.4	0.4	-18.3		0	2	4.0	4.0	1	0.0	0.3	0.0	10.4	10.4	2.3	0.0	2	3	0.0	20	137	8
28	8.28	1	1	1	1	-1.3	-0.3	-13.8		1	3	4.0	4.0	1	0.1	-1.0	0.0	10.4	10.4	2.3	0.0	7	10	0.0	20	137	8
28	11.72	30	3	1	1	0.3	0.3	-13.4		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	1.4	0.3	-13.2		1	3	4.0	4.0	1	0.1	-1.0	0.0	10.4	10.4	2.3	0.0	7	10	0.0	20	137	8
29	8.28	1	1	1	1	-0.9	0.4	-21.9		0	3	4.0	4.0	1	0.0	-0.6	0.0	10.4	10.4	2.3	0.0	4	6	0.0	20	137	8
29	11.72	30	3	1	1	-0.4	0.4	-21.7		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	0.8	-0.4	-21.3		0	3	4.0	4.0	1	0.0	-0.6	0.0	10.4	10.4	2.3	0.0	4	6	0.0	20	137	8
30	8.28	1	1	1	1	-1.2	0.3	-13.7		1	3	4.0	4.0	1	-0.2	-0.9	0.0	10.4	10.4	2.3	0.0	7	9	0.0	20	137	8
30	11.72	30	3	1	1	0.3	-0.3	-13.3		0	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	1.4	-0.3	-13.1		1	3	4.0	4.0	1	-0.2	-0.9	0.0	10.4	10.4	2.3	0.0	7	9	0.0	20	137	8
31	8.28	1	1	1	1	-1.1	-0.3	-13.4		1	3	4.0	4.0	1	0.2	-0.8	0.0	10.4	10.4	2.3	0.0	6	8	0.0	20	137	8
31	11.72	30	3	1	1	0.3	0.3	-13.1		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	1.2	0.3	-12.8		1	3	4.0	4.0	1	0.2	-0.8	0.0	10.4	10.4	2.3	0.0	6	8	0.0	20	137	8
32	8.28	1	1	1	1	-0.8	0.4	-21.5		0	3	4.0	4.0	1	0.0	-0.5	0.0	10.4	10.4	2.3	0.0	3	5	0.0	20	137	8
32	11.72	30	3	1	1	-0.4	0.4	-21.3		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	0.6	-0.4	-20.9		0	3	4.0	4.0	1	0.0	-0.5	0.0	10.4	10.4	2.3	0.0	3	5	0.0	20	137	8
33	8.28	1	1	1	1	-0.1	0.2	-3.3		0	1	4.0	4.0	1	-0.2	-0.1	0.0	13.9	13.9	1.4	0.0	2	2	0.0	20	86	8
33	10.00	30	3	1	1	-0.1	0.1	-3.1		0	0	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	0.1	-0.1	-2.9		0	0	4.0	4.0	1	-0.2	-0.1	0.0	13.9	13.9	1.4	0.0	2	2	0.0	20	86	8
34	8.28	1	1	1	1	-0.1	-0.2	-3.3		0	1	4.0	4.0	1	0.2	-0.1	0.0	13.9	13.9	1.4	0.0	2	2	0.0	20	86	8
34	10.00	30	3	1	1	-0.1	-0.1	-3.1		0	0	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	0.1	0.1	-2.9		0	0	4.0	4.0	1	0.2	-0.1	0.0	13.9	13.9	1.4	0.0	2	2	0.0	20	86	8
35	8.28	1	1	1	1	-0.6	-0.4	-21.7		0	3	4.0	4.0	1	0.0	-0.4	0.0	22.2	22.2	1.9	0.0	2	2	0.0	20	137	8
35	11.72	30	3	1	1	-0.4	-0.4	-21.5		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
1.85	0.00	30	5	1	1	0.5	0.4	-21.1		0	2	4.0	4.0	1	0.0	-0.4	0.0	22.2	22.2	1.9	0.0	2	2	0.0	20	137	8
36	8.28	1	1	1	1	-1.0	0.3	-13.6		0	2	4.0	4.0	1	-0.1	-0.7	0.0	10.4	10.4	2.3	0.0	5	7	0.0	20	137	8
36	11.72	30	3	1	1	-0.3	0.3	-13.4		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	1.0	-0.3	-13.0		0	2	4.0	4.0	1	-0.1	-0.7	0.0	10.4	10.4	2.3	0.0	5	7	0.0	20	137	8

BLOCCO AULE – ANALISI STATICA NON SISMICA CON COEFFICIENTI γ_G=1 E γ_Q=1 - OUTPUT

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Tra t	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
128	8.28	1	28	1	1	-0.3	0.3	-14.5		0	0	3.0	1.0	1	-0.5	0.0	0.0	42.5	3.3	6.3	0.0	1	1	0.0	40	86	8
128	10.00	3	220	1	1	-0.3	-0.3	-13.8		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	5	20	1	1	-0.3	-0.6	-12.7		0	0	3.0	1.0	1	-0.5	0.0	0.0	42.5	3.3	6.3	0.0	1	1	0.0	40	86	8
129	9.14	1	29	1	1	-0.1	0.1	-4.6		0	0	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	55	8
129	10.86	3	20	1	1	-0.1	0.1	-4.5		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	50	1	1	-0.1	-0.1	-4.3		0	0	3.1	4.2	1	0.0	0.0	0.0	6.5	18.2	2.4	0.0	0	0	0.0	20	55	8
130	7.42	1	29	1	1	0.1	0.1	-3.7		0	0	3.1	4.2	1	0.0	0.2	0.0	14.5	16.4	1.5	0.0	1	1	0.0	20	64	8
130	9.14	3	20	1	1	-0.1	-0.1	-3.5		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	50	1	1	-0.2	-0.1	-3.4		0	0	3.1	4.2	1	0.0	0.2	0.0	14.5	16.4	1.5	0.0	1	1	0.0	20	64	8
131	8.28	1	28	1	1	0.4	0.5	-17.9		0	0	3.0	1.0	1	0.2	0.0	0.0	42.5	3.3	6.3	0.0	0	1	0.0	40	86	8
131	10.00	3	220	1	1	0.3	0.8	-16.8		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	5	20	1	1	0.3	0.9	-16.0		0	0	3.0	1.0	1	0.2	0.0	0.0	42.5	3.3	6.3	0.0	0	1	0.0	40	86	8
132	9.14	1	29	1	1	0.1	-0.1	-7.3		0	1	3.1	4.2	1	0.0	-0.3	0.0	15.0	16.9	1.5	0.0	2	1	0.0	20	55	8
132	10.86	3	20	1	1	0.3	0.1	-7.1		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	50	1	1	0.4	0.1	-7.0		0	1	3.1	4.2	1	0.0	-0.3	0.0	15.0	16.9	1.5	0.0	2	1	0.0	20	55	8
133	7.42	1	29	1	1	-0.1	-0.1	-7.4		0	1	3.1	4.2	1	0.0	-0.4	0.0	15.0	16.9	1.5	0.0	3	2	0.0	20	64	8
133	9.14	3	20	1	1	0.3	0.1	-7.2		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	50	1	1	0.5	0.1	-7.1		0	1	3.1	4.2	1	0.0	-0.4	0.0	15.0	16.9	1.5	0.0	3	2	0.0	20	64	8
160	8.28	1	30	1	1	0.3	0.3	-13.0		0	0	3.1	15.4	1	0.0	0.1	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	86	8
160	10.00	3	20	1	1	0.2	-0.2	-12.4		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	180	1	1	0.2	-0.2	-11.5		0	0	3.1	15.4	1	0.0	0.1	0.0	8.3	91.8	12.0	0.0	0	1	0.0	20	86	8
161	8.28	1	30	1	1	-1.2	-0.1	-6.8		0	0	3.1	15.4	1	0.0	0.8	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
161	10.00	3	20	1	1	-2.1	0.1	-5.9		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	180	1	1	-2.7	0.1	-5.3		0	0	3.1	15.4	1	0.0	0.8	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
162	8.28	1	30	1	1	-1.1	-0.1	-6.2		0	0	3.1	15.4	1	0.0	1.0	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
162	10.00	3	20	1	1	-2.1	0.1	-5.3		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	180	1	1	-2.8	0.1	-4.7		0	0	3.1	15.4	1	0.0	1.0	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
165	8.28	1	31	1	1	-3.2	1.4	-17.0		1	1	7.6	12.7	1	-1.3	-2.6	0.0	75.8	80.5	10.9	0.0	5	3	0.0	15	86	8
165	10.00	3	40	1	1	-1.4	0.5	-16.4		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	5	85	1	1	1.3	-0.8	-15.5		0	1	7.6	12.7	1	-1.3	-2.6	0.0	75.8	80.5	10.9	0.0	5	3	0.0	15	86	8
166	8.28	1	31	1	1	-2.8	-1.4	-17.2		0	1	7.6	12.7	1	1.3	-2.3	0.0	75.8	80.6	10.9	0.0	5	3	0.0	15	86	8
166	10.00	3	40	1	1	-1.2	-0.5	-16.6		0	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	5	85	1	1	1.3	0.8	-15.7		0	1	7.6	12.7	1	1.3	-2.3	0.0	75.8	80.6	10.9	0.0	5	3	0.0	15	86	8
167	8.28	1	22	2	2	-0.4	0.0	-2.7		0	1	18.5		1	0.0	-0.4	0.0	25.2	25.2	8.1	0.0	1	1	0.0	10	142	8
167	11.72	3	20	1	1	0.2	0.0	-2.4		0	0	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.16	0.00		5	2	2	0.6	0.0	-1.8		1	1	18.5		1	0.0	-0.4	0.0	25.2	25.2	8.1	0.0	1	1	0.0	10	142	8
168	8.28	1	22	2	2	-0.5	0.0	-2.6		0	1	18.5		1	0.0	-0.4	0.0	25.2	25.2	8.1	0.0	1	1	0.0	10	142	8
168	11.72	3	20	1	1	0.2	0.0	-2.2		0	0	18.5		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	10	0	8
2.16	0.00		5	2	2	0.6	0.0	-1.7		1	1	18.5		1	0.0	-0.4	0.0	25.2	25.2	8.1	0.0	1	1	0.0	10	142	8
33	10.00	1	1	1	1	-0.1	-0.1	-4.9		0	1	4.0	4.0	1	-0.2	-0.2	0.0	14.2	14.2	1.4	0.0	3	2	0.0	20	51	8
33	11.72	3	30	1	1	0.1	-0.1	-4.8		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	30	1	1	0.2	-0.2	-4.7		0	1	4.0	4.0	1	-0.2	-0.2	0.0	14.2	14.2	1.4	0.0	3	2	0.0	20	51	8
34	10.00	1	1	1	1	0.1	0.1	-5.1		0	1	4.0	4.0	1	0.2	-0.1	0.0	14.2	14.2	1.4	0.0	2	2	0.0	20	51	8
34	11.72	3	30	1	1	0.1	0.1	-4.9		0	1	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	30	1	1	0.2	0.2	-4.9		0	1	4.0	4.0	1	0.2	-0.1	0.0	14.2	14.2	1.4	0.0	2	2	0.0	20	51	8
128	10.00	1	28	1	1	-0.2	0.2	-9.3		0	0	3.0	1.0	1	0.0	-0.1	0.0	42.5	3.3	6.3	0.0	0	4	0.0	40	86	8
128	11.72	3	220	1	1	0.2	0.2	-8.5		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	5	20	1	1	0.2	0.1	-7.4		0	0	3.0	1.0	1	0.0	-0.1	0.0	42.5	3.3	6.3	0.0	0	4	0.0	40	86	8
129	10.86	1	29	1	1	0.1	-0.1	-3.2		0	0	3.1	4.2	2	0.0	-0.1	0.0	14.4	16.3	1.5	0.0	1	0	0.0	20	86	8
129	12.58	3	20	1	1	0.2	0.1	-2.9		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	50	1	1	0.2	0.1	-2.8		0	0	3.1	4.2	2	0.0	-0.1	0.0	14.4	16.3	1.5	0.0	1	0	0.0	20	86	8
130	9.14	1	29	1	1	-0.1	-0.1	-3.5		0	0	3.1	4.2	1	0.0	-0.3	0.0	14.5	16.3	1.5	0.0	2	2	0.0	20	82	8
130	10.86	3	20	1	1	0.2	0.1	-3.3		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	50	1	1	0.4	0.1	-3.1		0	1	3.1	4.2	1	0.0	-0.3	0.0	14.5	16.3	1.5	0.0	2	2	0.0	20	82	8
131	10.00	1	28	1	1	-0.2	-0.4	-12.4		0	0	3.0	1.0	1	0.3	-0.2	0.0	42.5	3.3	6.3	0.0	1	6	0.0	40	86	8
131	11.72	3	220	1	1	-0.2	-0.2	-11.7		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	5	20	1	1	0.2	0.2	-10.5		0	0	3.0	1.0	1	0.3	-0.2	0.0	42.5	3.3	6.3	0.0	1	6	0.0	40	86	8
132	10.86	1	29	1	1	-0.3	0.0	-2.1		0	0	3.1	4.2	1	0.0	-0.3	0.0	14.3	16.1	1.5	0.0	2	1	0.0	20	86	8
132	12.58	3	20	1	1	-0.2	0.0	-2.0		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	50	1	1	0.1	0.0	-1.7		0	0	3.1	4.2	1	0.0	-0.3	0.0	14.3	16.1	1.5	0.0	2	1	0.0	20	86	8
133	9.14	1	29	1	1	-0.3	0.0	-2.1		0	0	3.1	4.2	1	0.0	-0.3	0.0	14.3	16.1	1.5	0.0	2	1	0.0	20	82	8
133	10.86	3	20	1	1	-0.2	0.0	-1.9		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	50	5	2	0.1	0.0	-1.7		0	0	3.1	4.2	1	0.0	-0.3	0.0	14.3	16.1	1.5	0.0	2	1	0.0	20	82	8
160	10.00	1	30	1	1	0.1	0.1	2.7		1	0	3.1	15.4	1	-0.1	-0.5	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
160	11.72	3	20	1	1	0.6	0.1	3.7		1	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	180	1	1	1.0	-0.1	4.3		1	0	3.1	15.4	1	-0.1	-0.5	0.0	8.3	91.8	12.0	0.0	1	1	0.0	20	86	8
161	10.00	1	30	1	1	3.2	-0.2	-8.7		0	0	3.1	15.4	1	0.0	0.3	0.0	8.3	91.8	12.0	0.0	0	0	0.0	20	86	8
161	11.72	3	20	1	1	3.0	-0.2	-8.0		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	180	1	1	2.7	0.1	-7.1		0	0	3.1	15.4	1	0.0	0.3	0.0	8.3	91.8	12.0	0.0	0	0	0.0	20	86	8
162	10.00	1	30	1	1	4.9	-0.1	-5.6		1	1	3.1	15.4	1	0.0	2.2	0.0	70.2	85.8	8.9	0.0	3	2	0.0	20	86	8
162	11.72	3	20	1	1	3.3	-0.1	-5.0		0	0	3.1	15.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	5	180	1	1	1.0	0.1	-4.1		0	0	3.1	15.4	1	0.0	2.2	0.0	70.2	85.8	8.9	0.0	3	2	0.0	20	86	8
165	10.00	1	31	1	1	2.0	-0.3	-13.5		0	1	7.6	12.7	1	-1.3	-2.5	0.0	75.4	80.1	10.9	0.0	5	3	0.0	15	51	8
165	11.72	3	40	1	1	3.5	-1.0	-12.9		1	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	5	85	1	1	4.6	-1.5	-12.6		1	2	7.6	12.7	1	-1.3	-2.5	0.0	75.4	80.1	10.9	0.0	5	3	0.0	15	51	8
166	10.00	1	31	1	1	1.9	0.3	-13.6		0	1	7.6	12.7	1	1.3	-2.3	0.0	75.4	80.1	10.9	0.0	5	3	0.0	15	51	8
166	11.72	3	40	1	1	3.3	1.0	-13.0		1	1	7.6	12.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	15	0	8
2.5	0.00	5	85	1	1	4.2	1.5	-12.7		1	1	7.6	12.7	1	1.3	-2.3	0.0	75.4	80.1	10.9	0.0	5	3	0.0	15	51	8

STAMPA PROGETTO S.L.U. - PILASTRI

Filo Iniz Fin. Ctgθ	Quota Iniz. Final N/Nc	Trat	Sez Bas Alt	Conc	VERIFICA A PRESSO-FLESSIONE Comb	M Exd (t*m)	M Eyd (t*m)	N Ed (t)	x/ /d	εf% 100	εc% 100	Area cmq b	h	VERIFICA A TAGLIO E TORSIONE Comb	V Exd (t)	V Eyd (t)	T Sdu (t*m)	V Rxd (t)	V Ryd (t)	TRd (t*m)	TRld (t*m)	Coe Cls	Coe Sta	ALon cmq	Staffe Pas	Lun	Fi
21	11.72	1	1	1	1	0.1	-1.0	-6.1		2	2	4.0	4.0	1	1.8	0.2	0.0	10.4	10.4	2.3	0.0	14	17	0.0	20	100	8
21	14.22	30	3	1	1	-0.2	1.2	-5.8		3	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	-0.4	2.6	-5.6		11	6	4.0	4.0	1	1.8	0.2	0.0	10.4	10.4	2.3	0.0	14	17	0.0	20	100	8
22	11.72	1	1	1	1	0.1	1.0	-6.1		2	2	4.0	4.0	1	-1.8	0.3	0.0	10.4	10.4	2.3	0.0	14	17	0.0	20	100	8
22	14.22	30	3	1	1	-0.2	-1.1	-5.8		3	3	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	-0.4	-2.6	-5.6		11	6	4.0	4.0	1	-1.8	0.3	0.0	10.4	10.4	2.3	0.0	14	17	0.0	20	100	8
24	11.72	1	1	1	1	-0.1	-2.5	-6.1		9	5	4.0	4.0	1	2.6	0.2	0.0	10.4	10.4	2.3	0.0	19	25	0.0	20	100	8
24	14.22	30	3	2	1	-0.3	0.6	-5.7		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	-0.4	2.7	-5.6		11	7	4.0	4.0	1	2.6	0.2	0.0	10.4	10.4	2.3	0.0	19	25	0.0	20	100	8
25	11.72	1	1	1	1	0.1	2.5	-6.1		9	5	4.0	4.0	1	-2.6	0.2	0.0	10.4	10.4	2.3	0.0	20	25	0.0	20	100	8
25	14.22	30	3	2	1	-0.3	-0.6	-5.7		1	2	4.0	4.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	30	5	1	1	-0.4	-2.7	-5.6		11	7	4.0	4.0	1	-2.6	0.2	0.0	10.4	10.4	2.3	0.0	20	25	0.0	20	100	8
128	11.72	28	1	1	1	0.1	2.0	-5.4		0	0	3.0	1.0	1	0.1	-0.1	0.0	42.5	3.3	6.3	0.0	0	3	0.0	40	85	8
128	13.42	220	3	1	1	0.2	2.1	-4.3		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	1	0.2	2.1	-3.5		0	0	3.0	1.0	1	0.1	-0.1	0.0	42.5	3.3	6.3	0.0	0	3	0.0	40	85	8
129	12.58	29	1	1	1	0.7	0.1	-4.8		0	1	3.1	4.2	1	-0.1	-0.1	0.0	14.7	16.5	1.5	0.0	1	1	0.0	20	22	8
129	13.42	20	3	1	1	0.8	0.1	-4.7		0	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	1	0.8	-0.1	-4.7		1	1	3.1	4.2	1	-0.1	-0.1	0.0	14.7	16.5	1.5	0.0	1	1	0.0	20	22	8
130	10.86	29	1	1	1	-0.1	-0.1	-3.1		0	0	3.1	4.2	1	0.0	-0.3	0.0	14.4	16.2	1.5	0.0	2	1	0.0	20	108	8
130	13.42	20	3	1	1	0.2	0.1	-2.8		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	1	0.4	0.1	-2.5		0	1	3.1	4.2	1	0.0	-0.3	0.0	14.4	16.2	1.5	0.0	2	1	0.0	20	108	8
131	11.72	28	1	1	1	0.1	2.1	-5.2		0	0	3.0	1.0	1	0.0	-0.1	0.0	42.5	3.3	6.3	0.0	0	2	0.0	40	85	8
131	13.42	220	3	1	1	0.2	2.1	-4.1		0	0	3.0	1.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	40	0	8
2.5	0.00	20	5	1	1	0.2	2.2	-3.3		0	0	3.0	1.0	1	0.0	-0.1	0.0	42.5	3.3	6.3	0.0	0	2	0.0	40	85	8
132	12.58	29	1	1	1	0.8	0.1	-4.9		0	1	3.1	4.2	2	0.0	-0.1	0.0	14.7	16.6	1.5	0.0	1	1	0.0	20	22	8
132	13.42	20	3	1	1	0.8	0.1	-4.8		1	1	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	1	0.8	0.1	-4.8		1	1	3.1	4.2	2	0.0	-0.1	0.0	14.7	16.6	1.5	0.0	1	1	0.0	20	22	8
133	10.86	29	1	1	1	-0.1	-0.1	-3.1		0	0	3.1	4.2	1	0.0	-0.2	0.0	14.4	16.2	1.5	0.0	1	1	0.0	20	108	8
133	13.42	20	3	1	1	0.2	0.1	-2.8		0	0	3.1	4.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	20	0	8
2.5	0.00	50	5	1	1	0.4	0.1	-2.6		0	1	3.1	4.2	1	0.0	-0.2	0.0	14.4	16.2	1.5	0.0	1	1	0.0	20	108	8

STAMPA PROGETTO S.L.U. - ACCIAIO + VERIFICA S.L.E.

VERIFICHE ASTE IN ACCIAIO 3D

DATI DI ASTA	Fili N.ro	Quota (m)	Tratto	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	N Rd kg	MxV.Rd kg*m	MyV.Rd kg*m	VxplRd Kg	VyplRd Kg	T Rd kg*m	fy rid Kg/cmq	Rap %
Sez.N. 1083	115	4.60		1	-15204	28	-64	-28	-15	-1	172040	11275	11275	63237	63237	9934	2619	9
TUBO219.1x	qn=	0		1	-15286	4	-19	-28	-15	-1	172040	11273	11273	63237	63237	9934	2619	9
Asta: 175	115	1.40		1	-15369	-20	26	-28	-15	-1	172040	11271	11271	63237	63237	9934	2619	9
Instab.:l=	320.0	β*l=	320.0		-15369	11	28	cl= 1	ε= 0.92	lmd= 43	Rpf= 10	Rft= 0	Wmax/rel/lim=		0.0	0.0	12.8	mm
Sez.N. 1083	122	4.60		1	-16763	29	-91	-42	-16	-1	172040	11241	11241	63237	63237	9934	2619	10
TUBO219.1x	qn=	0		1	-16846	4	-24	-42	-16	-1	172040	11239	11239	63237	63237	9934	2619	10
Asta: 176	122	1.40		1	-16928	-21	42	-42	-16	-1	172040	11237	11237	63237	63237	9934	2619	10
Instab.:l=	320.0	β*l=	320.0		-16928	12	37	cl= 1	ε= 0.92	lmd= 43	Rpf= 11	Rft= 0	Wmax/rel/lim=		0.0	0.0	12.8	mm
Sez.N. 1083	123	4.60		1	-16104	6	-54	-24	-5	-1	172040	11256	11256	63237	63237	9934	2619	9
TUBO219.1x	qn=	0		1	-16187	-2	-16	-24	-5	-1	172040	11254	11254	63237	63237	9934	2619	9
Asta: 177	123	1.40		1	-16269	-9	22	-24	-5	-1	172040	11252	11252	63237	63237	9934	2619	9
Instab.:l=	320.0	β*l=	320.0		-16269	4	24	cl= 1	ε= 0.92	lmd= 43	Rpf= 10	Rft= 0	Wmax/rel/lim=		0.0	0.0	12.8	mm
Sez.N. 1083	126	4.60		1	-15087	-16	-32	-12	6	-1	172040	11277	11277	63237	63237	9934	2619	9
TUBO219.1x	qn=	0		1	-15169	-7	-12	-12	6	-1	172040	11275	11275	63237	63237	9934	2619	9
Asta: 178	126	1.40		1	-15252	2	8	-12	6	-1	172040	11274	11274	63237	63237	9934	2619	9
Instab.:l=	320.0	β*l=	320.0		-15252	9	16	cl= 1	ε= 0.92	lmd= 43	Rpf= 10	Rft= 0	Wmax/rel/lim=		0.0	0.0	12.8	mm
Sez.N. 1083	127	4.60		1	-13736	-89	-31	-14	40	-1	172040	11304	11304	63237	63237	9934	2619	8
TUBO219.1x	qn=	0		1	-13819	-25	-8	-14	40	-1	172040	11302	11302	63237	63237	9934	2619	8
Asta: 179	127	1.40		1	-13901	38	14	-14	40	-1	172040	11301	11301	63237	63237	9934	2619	8
Instab.:l=	320.0	β*l=	320.0		-13901	38	13	cl= 1	ε= 0.92	lmd= 43	Rpf= 9	Rft= 0	Wmax/rel/lim=		0.0	0.1	12.8	mm
Sez.N. 1083	141	4.60		1	-16101	-33	73	36	24	-1	172040	11256	11256	63237	63237	9934	2619	9
TUBO219.1x	qn=	0		1	-16184	4	16	36	24	-1	172040	11254	11254	63237	63237	9934	2619	9
Asta: 184	141	1.40		1	-16266	42	-41	36	24	-1	172040	11252	11252	63237	63237	9934	2619	9
Instab.:l=	320.0	β*l=	320.0		-16266	17	29	cl= 1	ε= 0.92	lmd= 43	Rpf= 11	Rft= 0	Wmax/rel/lim=		0.1	0.0	12.8	mm
Sez.N. 1083	143	4.60		1	-16705	-56	111	54	34	-1	172040	11242	11242	63237	63237	9934	2619	10
TUBO219.1x	qn=	0		1	-16787	-1	25	54	34	-1	172040	11241	11241	63237	63237	9934	2619	10
Asta: 185	143	1.40		1	-16870	54	-62	54	34	-1	172040	11239	11239	63237	63237	9934	2619	10
Instab.:l=	320.0	β*l=	320.0		-16870	23	44	cl= 1	ε= 0.92	lmd= 43	Rpf= 11	Rft= 0	Wmax/rel/lim=		0.1	0.1	12.8	mm
Sez.N. 1083	145	4.60		1	-13719	63	50	26	-21	-1	172040	11304	11304	63237	63237	9934	2619	8
TUBO219.1x	qn=	0		1	-13801	28	8	26	-21	-1	172040	11303	11303	63237	63237	9934	2619	8
Asta: 186	145	1.40		1	-13884	-6	-33	26	-21	-1	172040	11301	11301	63237	63237	9934	2619	8
Instab.:l=	320.0	β*l=	320.0		-13884	35	20	cl= 1	ε= 0.92	lmd= 43	Rpf= 9	Rft= 0	Wmax/rel/lim=		0.1	0.1	12.8	mm
Sez.N. 1083	147	4.60		1	-15155	-55	85	41	34	-1	172040	11276	11276	63237	63237	9934	2619	9
TUBO219.1x	qn=	0		1	-15238	-1	20	41	34	-1	172040	11274	11274	63237	63237	9934	2619	9
Asta: 187	147	1.40		1	-15320	53	-45	41	34	-1	172040	11272	11272	63237	63237	9934	2619	9
Instab.:l=	320.0	β*l=	320.0		-15320	22	34	cl= 1	ε= 0.92	lmd= 43	Rpf= 10	Rft= 0	Wmax/rel/lim=		0.1	0.0	12.8	mm
Sez.N. 1083	149	4.60		1	-15087	-10	50	24	13	-1	172040	11277	11277	63237	63237	9934	2619	9
TUBO219.1x	qn=	0		1	-15170	10	12	24	13	-1	172040	11275	11275	63237	63237	9934	2619	9
Asta: 188	149	1.40		1	-15252	31	-26	24	13	-1	172040	11274	11274	63237	63237	9934	2619	9
Instab.:l=	320.0	β*l=	320.0		-15252	14	20	cl= 1	ε= 0.92	lmd= 43	Rpf= 10	Rft= 0	Wmax/rel/lim=		0.1	0.0	12.8	mm
Sez.N. 115	122	4.60		1	-25378	-1351	60	653	2848	1	265089	28713	13479	123979	48579	1174	2238	10
HEB260	qn=	-80		1	-25367	-689	-93	653	2829	1	265089	28713	13479	123979	48579	1174	2238	10
Asta: 231	152	4.84		1	-25355	-31	-245	653	2811	1	265089	28713	13479	123979	48579	1174	2238	10
Instab.:l=	46.6	β*l=	32.7		0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	126	4.60		1	-20082	-1669	-35	-697	3567	-2	265089	28713	13479	123979	48579	1174	2238	8

STAMPA PROGETTO S.L.U. - ACCIAIO + VERIFICA S.L.E.

VERIFICHE ASTE IN ACCIAIO 3D

DATI DI ASTA	Fili N.ro	Quota (m)	Tratto	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	N Rd kg	MxV.Rd kg*m	MyV.Rd kg*m	VxplRd Kg	VyplRd Kg	T Rd kg*m	fy rid Kg/cmq	Rap %
HEB260	qn=	-80		1	-20071	-839	127	-697	3549	-2	265089	28713	13479	123979	48579	1174	2238	8
Asta: 294	151	4.84		1	-20060	-13	290	-697	3530	-2	265089	28713	13479	123979	48579	1174	2238	8
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	113	4.84		1	-8016	222	2	0	-670	0	265089	28713	13479	123979	48579	1174	2238	3
HEB260	qn=	-93		1	-8027	-642	3	0	-780	0	265089	28713	13479	123979	48579	1174	2238	3
Asta: 310	126	4.60		1	-8038	-1637	3	0	-890	0	265089	28713	13479	123979	48579	1174	2238	6
Instab.:l=	238.2	β*l=		166.7	-8038	1228	3	cl= 1	ε= 1.00	lmd= 25	Rpf= 7	Rft= 7	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	10	4.84		1	-3179	739	1	2	-798	0	265089	28713	13479	123979	48579	1174	2238	3
HEB260	qn=	-92		1	-3190	-186	-1	2	-899	0	265089	28713	13479	123979	48579	1174	2238	1
Asta: 311	115	4.60		1	-3201	-1272	-3	2	-1004	0	265089	28713	13479	123979	48579	1174	2238	4
Instab.:l=	223.3	β*l=		156.3	-3201	954	1	cl= 1	ε= 1.00	lmd= 23	Rpf= 5	Rft= 5	Wmax/rel/lim=		0.6	0.1	8.9	mm
Sez.N. 115	112	4.84		1	-7830	59	0	0	-582	0	265089	28713	13479	123979	48579	1174	2238	3
HEB260	qn=	-93		1	-7842	-700	0	0	-693	0	265089	28713	13479	123979	48579	1174	2238	3
Asta: 312	123	4.60		1	-7853	-1591	1	0	-803	0	265089	28713	13479	123979	48579	1174	2238	6
Instab.:l=	238.2	β*l=		166.7	-7853	1193	1	cl= 1	ε= 1.00	lmd= 25	Rpf= 7	Rft= 7	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	19	4.84		1	-2766	675	0	1	-764	0	265089	28713	13479	123979	48579	1174	2238	2
HEB260	qn=	-92		1	-2777	-213	-1	1	-865	0	265089	28713	13479	123979	48579	1174	2238	1
Asta: 313	122	4.60		1	-2789	-1261	-3	1	-970	0	265089	28713	13479	123979	48579	1174	2238	4
Instab.:l=	223.3	β*l=		156.3	-2789	945	2	cl= 1	ε= 1.00	lmd= 23	Rpf= 4	Rft= 4	Wmax/rel/lim=		0.6	0.1	8.9	mm
Sez.N. 115	114	4.84		1	-8202	248	3	-4	-672	1	265089	28713	13479	123979	48579	1174	2238	3
HEB260	qn=	-93		1	-8213	-618	8	-4	-782	1	265089	28713	13479	123979	48579	1174	2238	3
Asta: 314	127	4.60		1	-8224	-1615	13	-4	-893	1	265089	28713	13479	123979	48579	1174	2238	6
Instab.:l=	238.2	β*l=		166.7	-8224	1212	9	cl= 1	ε= 1.00	lmd= 25	Rpf= 8	Rft= 8	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	155	4.84		1	-22334	-30	-8	120	-3475	0	265089	28713	13479	123979	48579	1174	2238	8
HEB260	qn=	-80		1	-22345	-842	-36	120	-3493	0	265089	28713	13479	123979	48579	1174	2238	8
Asta: 315	141	4.60		1	-22356	-1659	-64	120	-3512	0	265089	28713	13479	123979	48579	1174	2238	8
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	156	4.84		1	-25427	-30	262	801	-2770	1	265089	28713	13479	123979	48579	1174	2238	10
HEB260	qn=	-80		1	-25438	-678	75	801	-2788	1	265089	28713	13479	123979	48579	1174	2238	10
Asta: 316	143	4.60		1	-25450	-1330	-111	801	-2807	1	265089	28713	13479	123979	48579	1174	2238	10
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	157	4.84		1	-17362	5	-1133	-2722	-3540	-7	265089	28713	13479	123979	48579	1174	2238	8
HEB260	qn=	-80		1	-17373	-822	-498	-2722	-3559	-7	265089	28713	13479	123979	48579	1174	2238	7
Asta: 317	145	4.60		1	-17384	-1655	137	-2722	-3577	-7	265089	28713	13479	123979	48579	1174	2238	7
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.3	0.0	1.9	mm
Sez.N. 115	158	4.84		1	-22275	-29	249	767	-2753	1	265089	28713	13479	123979	48579	1174	2238	8
HEB260	qn=	-80		1	-22286	-673	70	767	-2771	1	265089	28713	13479	123979	48579	1174	2238	8
Asta: 318	147	4.60		1	-22297	-1322	-109	767	-2790	1	265089	28713	13479	123979	48579	1174	2238	8
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	159	4.84		1	-19986	-12	-278	-562	-3572	-2	265089	28713	13479	123979	48579	1174	2238	8
HEB260	qn=	-80		1	-19997	-847	-147	-562	-3590	-2	265089	28713	13479	123979	48579	1174	2238	8
Asta: 319	149	4.60		1	-20008	-1686	-16	-562	-3609	-2	265089	28713	13479	123979	48579	1174	2238	8
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	115	4.60		1	-22246	-1336	57	618	2818	1	265089	28713	13479	123979	48579	1174	2238	8
HEB260	qn=	-80		1	-22235	-681	-87	618	2799	1	265089	28713	13479	123979	48579	1174	2238	8
Asta: 336	150	4.84		1	-22224	-31	-231	618	2780	1	265089	28713	13479	123979	48579	1174	2238	8
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	141	4.60		1	-7860	-1587	-3	-1	800	0	265089	28713	13479	123979	48579	1174	2238	6
HEB260	qn=	-93		1	-7848	-699	-1	-1	690	0	265089	28713	13479	123979	48579	1174	2238	3
Asta: 337	140	4.84		1	-7837	57	0	-1	580	0	265089	28713	13479	123979	48579	1174	2238	3
Instab.:l=	238.2	β*l=		166.7	-7860	1190	2	cl= 1	ε= 1.00	lmd= 25	Rpf= 7	Rft= 7	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	123	4.60		1	-22414	-1645	12	-27	3478	0	265089	28713	13479	123979	48579	1174	2238	8
HEB260	qn=	-80		1	-22403	-836	18	-27	3460	0	265089	28713	13479	123979	48579	1174	2238	8
Asta: 349	153	4.84		1	-22392	-32	24	-27	3441	0	265089	28713	13479	123979	48579	1174	2238	8
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.4	0.0	1.9	mm
Sez.N. 115	147	4.60		1	-3212	-1237	-1	-1	952	0	265089	28713	13479	123979	48579	1174	2238	4
HEB260	qn=	-92		1	-3201	-253	1	-1	851	0	265089	28713	13479	123979	48579	1174	2238	1
Asta: 351	27	4.84		1	-3190	657	2	-1	745	0	265089	28713	13479	123979	48579	1174	2238	2
Instab.:l=	223.3	β*l=		156.3	-3212	928	1	cl= 1	ε= 1.00	lmd= 23	Rpf= 4	Rft= 4	Wmax/rel/lim=		0.6	0.1	8.9	mm
Sez.N. 115	149	4.60		1	-8072	-1636	-5	-1	890	0	265089	28713	13479	123979	48579	1174	2238	6
HEB260	qn=	-93		1	-8061	-642	-4	-1	780	0	265089	28713	13479	123979	48579	1174	2238	3
Asta: 352	148	4.84		1	-8050	220	-2	-1	669	0	265089	28713	13479	123979	48579	1174	2238	3
Instab.:l=	238.2	β*l=		166.7	-8072	1227	4	cl= 1	ε= 1.00	lmd= 25	Rpf= 7	Rft= 7	Wmax/rel/lim=		1.1	0.2	9.5	mm
Sez.N. 115	143	4.60		1	-2764	-1219	-1	-2	912	0	265089	28713	13479	123979	48579	1174	2238	4
HEB260	qn=	-92		1	-2753	-278	1	-2	811	0	265089	28713	13479	123979	48579	1174	2238	1
Asta: 356	18	4.84		1	-2742	587	3	-2	706	0	265089	28713	13479	123979	48579	1174	2238	2
Instab.:l=	223.3	β*l=		156.3	-2764	914	2	cl= 1	ε= 1.00	lmd= 23	Rpf= 4	Rft= 4	Wmax/rel/lim=		0.6	0.1	8.9	mm
Sez.N. 115	145	4.60		1	-8185	-1605	-15	-5	887	1	265089	28713	13479	123979	48579	1174	2238	6
HEB260	qn=	-93		1	-8174	-614	-9	-5	777	1	265089	28713	13479	123979	48579	1174	2238	3
Asta: 362	144	4.84		1	-8163	245	-3	-5	667	1	265089	28713	13479	123979	48579	1174	2238	3
Instab.:l=	238.2	β*l=		166.7	-8185	1204	10	cl= 1	ε= 1.00	lmd= 25	Rpf= 7	Rft= 7	Wmax/rel/lim=		1.1	0.1	9.5	mm
Sez.N. 115	127	4.60		1	-17435	-1646	-188	-2856	3556	-6	265089	28713	13479	123979	48579	1174	2238	7
HEB260	qn=	-80		1	-17424	-819	478	-2856	3537	-6	265089	28713	13479	123979	48579	1174	2238	7
Asta: 377	154	4.84		1	-17413	4	1144	-2856	3519	-6	265089	28713	13479	123979	48579	1174	2238	9
Instab.:l=	46.6	β*l=		32.7	0	0	0	cl= 1	ε= 1.00	lmd= 0	Rpf= 0	Rft= 0	Wmax/rel/lim=		0.3	0.0	1.9	mm
Sez.N. 61	150	8.28		1	-8542	22	-6	-3	-13	0	47528	1738	921	22272	9764	96	2238	18
HEA100	qn=	0		1	-8570	0	-1	-3	-13	0	47528	1737	921	22272	9764	96	2238	18
Asta: 420	150	4.84		1	-8599	-22	4	-3	-13	0	47528	1736	921	22272	9764	96	2238	18
Instab.:l=	344.0	β*l=		344.0	-8599	9	2	cl= 1	ε= 1.00	lmd= 137	Rpf= 56	Rft= 56	Wmax/rel/lim=		0.1	0.1	13.8	mm
Sez.N. 61	151	8.28		1	-8372	16	11	5	-10	0	47528	1746	921	22272	9764	96	2238	18
HEA100	qn=	0		1	-8400	-1	2	5	-10	0	47528	1745	921	22272	9764	96	2238	18

STAMPA PROGETTO S.L.U. - ACCIAIO + VERIFICA S.L.E.

VERIFICHE ASTE IN ACCIAIO 3D

DATI DI ASTA	Fili N.ro	Quota (m)	Tratto	Cmb N.r	N Sd (kg)	MxSd (kg*m)	MySd (kg*m)	VxSd (kg)	VySd (kg)	T Sd (kg*m)	N Rd kg	MxV.Rd kg*m	MyV.Rd kg*m	VxplRd Kg	VyplRd Kg	T Rd kg*m	fy rid Kg/cmq	Rap %
Asta: 421	151	4.84		1	-8429	-18	-8	5	-10	0	47528	1743	921	22272	9764	96	2238	18
Instab.:l=	344.0	β*l=		344.0	-8429	7	4	cl= 1	ε= 1.00	lmd= 137	Rpf= 55	Rft= 55	Wmax/rel/lim=		0.2	0.1	13.8	mm
Sez.N. 61	152	8.28		1	-9747	25	-9	-4	-14	0	47528	1685	921	22272	9764	96	2238	21
HEA100	qn=	0		1	-9775	0	-2	-4	-14	0	47528	1683	921	22272	9764	96	2238	21
Asta: 422	152	4.84		1	-9804	-25	6	-4	-14	0	47528	1682	921	22272	9764	96	2238	21
Instab.:l=	344.0	β*l=		344.0	-9804	10	4	cl= 1	ε= 1.00	lmd= 137	Rpf= 64	Rft= 64	Wmax/rel/lim=		0.1	0.1	13.8	mm
Sez.N. 61	153	8.28		1	-8985	23	4	2	-13	0	47528	1719	921	22272	9764	96	2238	19
HEA100	qn=	0		1	-9013	0	1	2	-13	0	47528	1717	921	22272	9764	96	2238	19
Asta: 423	153	4.84		1	-9042	-23	-3	2	-13	0	47528	1716	921	22272	9764	96	2238	19
Instab.:l=	344.0	β*l=		344.0	-9042	9	2	cl= 1	ε= 1.00	lmd= 137	Rpf= 59	Rft= 59	Wmax/rel/lim=		0.1	0.1	13.8	mm
Sez.N. 61	154	8.28		1	-7396	6	41	20	-5	0	47528	1789	921	22272	9764	96	2238	16
HEA100	qn=	0		1	-7424	-3	7	20	-5	0	47528	1788	921	22272	9764	96	2238	16
Asta: 424	154	4.84		1	-7454	-13	-28	20	-5	0	47528	1787	921	22272	9764	96	2238	16
Instab.:l=	344.0	β*l=		344.0	-7454	5	16	cl= 1	ε= 1.00	lmd= 137	Rpf= 51	Rft= 51	Wmax/rel/lim=		0.6	0.5	13.8	mm
Sez.N. 61	155	8.28		1	-8984	-23	-5	-3	14	0	47528	1719	921	22272	9764	96	2238	19
HEA100	qn=	0		1	-9012	1	-1	-3	14	0	47528	1717	921	22272	9764	96	2238	19
Asta: 425	155	4.84		1	-9041	24	4	-3	14	0	47528	1716	921	22272	9764	96	2238	19
Instab.:l=	344.0	β*l=		344.0	-9041	10	2	cl= 1	ε= 1.00	lmd= 137	Rpf= 59	Rft= 59	Wmax/rel/lim=		0.3	0.1	13.8	mm
Sez.N. 61	156	8.28		1	-9748	-25	8	4	15	0	47528	1685	921	22272	9764	96	2238	21
HEA100	qn=	0		1	-9776	1	2	4	15	0	47528	1683	921	22272	9764	96	2238	21
Asta: 426	156	4.84		1	-9805	27	-4	4	15	0	47528	1682	921	22272	9764	96	2238	21
Instab.:l=	344.0	β*l=		344.0	-9805	11	3	cl= 1	ε= 1.00	lmd= 137	Rpf= 64	Rft= 64	Wmax/rel/lim=		0.3	0.1	13.8	mm
Sez.N. 61	157	8.28		1	-7392	-6	-42	-21	6	0	47528	1790	921	22272	9764	96	2238	16
HEA100	qn=	0		1	-7420	4	-7	-21	6	0	47528	1788	921	22272	9764	96	2238	16
Asta: 427	157	4.84		1	-7449	15	30	-21	6	0	47528	1787	921	22272	9764	96	2238	16
Instab.:l=	344.0	β*l=		344.0	-7449	6	17	cl= 1	ε= 1.00	lmd= 137	Rpf= 51	Rft= 51	Wmax/rel/lim=		0.7	0.5	13.8	mm
Sez.N. 61	158	8.28		1	-8545	-22	4	2	13	0	47528	1738	921	22272	9764	96	2238	18
HEA100	qn=	0		1	-8573	0	1	2	13	0	47528	1737	921	22272	9764	96	2238	18
Asta: 428	158	4.84		1	-8602	23	-2	2	13	0	47528	1736	921	22272	9764	96	2238	18
Instab.:l=	344.0	β*l=		344.0	-8602	9	2	cl= 1	ε= 1.00	lmd= 137	Rpf= 56	Rft= 56	Wmax/rel/lim=		0.3	0.1	13.8	mm
Sez.N. 61	159	8.28		1	-8366	-16	-12	-6	10	0	47528	1746	921	22272	9764	96	2238	18
HEA100	qn=	0		1	-8394	1	-1	-6	10	0	47528	1745	921	22272	9764	96	2238	18
Asta: 429	159	4.84		1	-8423	20	9	-6	10	0	47528	1744	921	22272	9764	96	2238	18
Instab.:l=	344.0	β*l=		344.0	-8423	8	5	cl= 1	ε= 1.00	lmd= 137	Rpf= 55	Rft= 55	Wmax/rel/lim=		0.4	0.1	13.8	mm
Sez.N. 61	150	11.72		1	-3493	34	-6	-4	-18	0	47528	1858	921	22272	9764	96	2238	7
HEA100	qn=	0		1	-3521	4	0	-4	-18	0	47528	1858	921	22272	9764	96	2238	7
Asta: 622	150	8.28		1	-3550	-28	7	-4	-18	0	47528	1858	921	22272	9764	96	2238	7
Instab.:l=	344.0	β*l=		344.0	-3550	14	3	cl= 1	ε= 1.00	lmd= 137	Rpf= 24	Rft= 24	Wmax/rel/lim=		0.3	0.1	13.8	mm
Sez.N. 61	151	11.72		1	-3548	22	16	9	-11	0	47528	1858	921	22272	9764	96	2238	7
HEA100	qn=	0		1	-3576	3	1	9	-11	0	47528	1858	921	22272	9764	96	2238	8
Asta: 623	151	8.28		1	-3605	-17	-15	9	-11	0	47528	1858	921	22272	9764	96	2238	8
Instab.:l=	344.0	β*l=		344.0	-3605	9	6	cl= 1	ε= 1.00	lmd= 137	Rpf= 24	Rft= 24	Wmax/rel/lim=		0.4	0.2	13.8	mm
Sez.N. 61	152	11.72		1	-4002	38	-9	-6	-20	0	47528	1858	921	22272	9764	96	2238	8
HEA100	qn=	0		1	-4031	4	1	-6	-20	0	47528	1858	921	22272	9764	96	2238	8
Asta: 624	152	8.28		1	-4060	-31	11	-6	-20	0	47528	1858	921	22272	9764	96	2238	9
Instab.:l=	344.0	β*l=		344.0	-4060	15	4	cl= 1	ε= 1.00	lmd= 137	Rpf= 27	Rft= 27	Wmax/rel/lim=		0.3	0.2	13.8	mm
Sez.N. 61	153	11.72		1	-3728	37	5	3	-19	0	47528	1858	921	22272	9764	96	2238	8
HEA100	qn=	0		1	-3757	4	0	3	-19	0	47528	1858	921	22272	9764	96	2238	8
Asta: 625	153	8.28		1	-3786	-29	-5	3	-19	0	47528	1858	921	22272	9764	96	2238	8
Instab.:l=	344.0	β*l=		344.0	-3786	15	2	cl= 1	ε= 1.00	lmd= 137	Rpf= 25	Rft= 25	Wmax/rel/lim=		0.3	0.2	13.8	mm
Sez.N. 61	154	11.72		1	-3134	2	44	27	-1	0	47528	1858	921	22272	9764	96	2238	7
HEA100	qn=	0		1	-3162	1	-2	27	-1	0	47528	1858	921	22272	9764	96	2238	7
Asta: 626	154	8.28		1	-3191	0	-49	27	-1	0	47528	1858	921	22272	9764	96	2238	7
Instab.:l=	344.0	β*l=		344.0	-3191	1	20	cl= 1	ε= 1.00	lmd= 137	Rpf= 23	Rft= 23	Wmax/rel/lim=		0.5	0.4	13.8	mm
Sez.N. 61	155	11.72		1	-3728	-37	-7	-4	19	0	47528	1858	921	22272	9764	96	2238	8
HEA100	qn=	0		1	-3756	-4	0	-4	19	0	47528	1858	921	22272	9764	96	2238	8
Asta: 627	155	8.28		1	-3785	29	8	-4	19	0	47528	1858	921	22272	9764	96	2238	8
Instab.:l=	344.0	β*l=		344.0	-3785	15	3	cl= 1	ε= 1.00	lmd= 137	Rpf= 26	Rft= 26	Wmax/rel/lim=		0.7	0.2	13.8	mm
Sez.N. 61	156	11.72		1	-4003	-38	7	4	20	0	47528	1858	921	22272	9764	96	2238	8
HEA100	qn=	0		1	-4031	-4	-1	4	20	0	47528	1858	921	22272	9764	96	2238	8
Asta: 628	156	8.28		1	-4060	31	-8	4	20	0	47528	1858	921	22272	9764	96	2238	9
Instab.:l=	344.0	β*l=		344.0	-4060	15	3	cl= 1	ε= 1.00	lmd= 137	Rpf= 27	Rft= 27	Wmax/rel/lim=		0.6	0.1	13.8	mm
Sez.N. 61	157	11.72		1	-3131	-3	-47	-29	1	0	47528	1858	921	22272	9764	96	2238	7
HEA100	qn=	0		1	-3159	-1	2	-29	1	0	47528	1858	921	22272	9764	96	2238	7
Asta: 629	157	8.28		1	-3188	1	51	-29	1	0	47528	1858	921	22272	9764	96	2238	7
Instab.:l=	344.0	β*l=		344.0	-3188	1	21	cl= 1	ε= 1.00	lmd= 137	Rpf= 23	Rft= 23	Wmax/rel/lim=		0.8	0.4	13.8	mm
Sez.N. 61	158	11.72		1	-3494	-34	4	3	18	0	47528	1858	921	22272	9764	96	2238	7
HEA100	qn=	0		1	-3522	-4	0	3	18	0	47528	1858	921	22272	9764	96	2238	7
Asta: 630	158	8.28		1	-3551	28	-4	3	18	0	47528	1858	921	22272	9764	96	2238	7
Instab.:l=	344.0	β*l=		344.0	-3551	14	2	cl= 1	ε= 1.00	lmd= 137	Rpf= 24	Rft= 24	Wmax/rel/lim=		0.6	0.1	13.8	mm
Sez.N. 61	159	11.72		1	-3545	-22	-18	-10	12	0	47528	1858	921	22272	9764	96	2238	7
HEA100	qn=	0		1	-3574	-3	-1	-10	12	0	47528	1858	921	22272	9764	96	2238	8
Asta: 631	159	8.28		1	-3603	18	17	-10	12	0	47528	1858	921	22272	9764	96	2238	8
Instab.:l=	344.0	β*l=		344.0	-3603	9	7	cl= 1	ε= 1.00	lmd= 137	Rpf= 25	Rft= 25	Wmax/rel/lim=		0.7	0.2	13.8	mm

- ## SPECIFICHE CAMPI TABELLA DI STAMPA PUSH-OVER

Numero d'ordine della PushOver	:	*Tipo di distribuzione delle forze orizzontali utilizzate nell'analisi.*
Angolo Ingr. Sisma (Grd)	:	*Angolo di ingresso del sisma della PushOver.*
Numero collassi totali	:	*Numero di elementi che hanno raggiunto la condizione di collasso al termine dell'analisi.*
Numero passo Resist.Max.	:	*Numero del passo a cui corrisponde il picco massimo del taglio alla base nella curva di capacità.*
Numero passi significativi	:	*Numero dei passi significativi alla fine dell'analisi.*
Massa SDOF, (t)	:	*Massa totale del sistema equivalente.*
Taglio alla base max., (t)	:	*Tagliante massimo alla base della struttura reale.*
Coeff. Partecipazione	:	*Coefficiente di partecipazione relativo alla distribuzione di forze orizzontali utilizzate nell'analisi della PushOver.*
Resistenza SDOF, (t)	:	*Resistenza allo snervamento del sistema ad un grado di libertà equivalente.*
Rigidezza SDOF, (t/m)	:	*Rigidezza all'origine del sistema ad un grado di libertà equivalente.*
Spostam. Snervam. SDOF, (mm)	:	*Spostamento a cui corrisponde lo snervamento del sistema ad un grado di libertà equivalente.*
Periodo SDOF, (sec)	:	*Periodo proprio del sistema ad un grado di libertà equivalente.*
Rapporto di incrudimento	:	*Rapporto tra la rigidezza incrudente e la rigidezza all'origine del sistema ad un grado di libertà equivalente. Per un sistema elastico perfettamente plastico tale rapporto vale sempre 0.*
Rapporto Alfau/alfa1	:	*Rapporto tra il tagliante ultimo e il tagliantea cui corrisponde la formazione della prima cerniera plastica. Per le strutture esistenti tale valore può assumere valori molto alti in quanto per bassi valori di forze orizzontali spesso viene raggiunto il limite elastico in qualche sezione.*
Fattore struttura	:	*Fattore di struttura (q) calcolato a posteriori in funzione delle effettive risorse anelastiche della struttura.*
Coeff Smorzam.Equival.	:	*Coefficiente di smorzamento di un oscillatore elasto-viscoso che dissipa per viscosità la stessa energia della struttura.*
Duttilità	:	*Duttilità misurata sul legame bilatero del sistema elasto-plastico equivalente come rapporto tra lo spostamento ultimo (fine del tratto orizzontale) e lo spostamento al limite elastico (inizio tratto orizzontale).*

Per ogni stato limite richiesto, la frase "*MECCANISMI CONSIDERATI NELL'ANALISI*" significa:

Con Flag di post-verifica = NO	:	*Considera nell'analisi al passo non lineare sia i meccanismi fragili attivati che quelli duttili.*
Con Flag di post-verifica = SI	:	*Verifica a posteriori dei meccanismi fragili in corrispondenza dei passi della curva di capacità precedentemente valutata per il solo comportamento duttile. I risultati relativi ai soli meccanismi fragili sono riportati in una apposita tabella.*

Spostamento	:	*Domanda/Capacita dello spostamento relativo allo stato limite.*
S.L.x	:	*Flag riassuntivo della verifica effettuata per i meccanismi considerati nell'analisi.*
PgaLx/g	:	*Valore della PGA limite corrispondente alla prestazione definita per lo stato limite considerato e per i meccanismi considerati nell'analisi.*
q*	:	*Rapporto tra la domanda elastica di tagliante alla base e la resistenza del sistema SDOF equivalente. Viene utilizzato solo per le struttura in muratura in qual caso non può superare il valore 3.*
Numero passo precedente	:	*Numero passo precedente al punto della curva per cui si raggiunge la capacità rispetto alla prestazione definita per lo stato limite e per i soli meccanismi considerati nell'analisi.*
PgaLx/Pga y%	:	*Rapporto tra la PGA limite e la PGA al bedrock del sisma atteso nel sito con la probabilità prevista per lo stato limite corrispondente.*
Asta3D Nro	:	*Numerazione 3D dell'asta in cui si raggiunge la prestazione definita per lo stato limite e per i soli meccanismi considerati nell'analisi.*
TrCLx	:	*Valore del periodo di ritorno corrispondente all'evento sismico che provoca il raggiungimento della capacità per lo stato limite considerato e per i soli meccanismi considerati nell'analisi.*
(TrCLx/TDLx)^a	:	*Rapporto tra il periodo di ritorno del sisma a cui corrisponde il raggiungimento della capacità ed il periodo di ritorno del sisma atteso nel sito con la probabilità prevista per lo stato limite corrispondente. L'esponente **a** vale 0,41 come previsto dalle linee guida nazionali.*

DATI STAMPATI PER LE TABELLE AUSILIARIE

Push. nro	:	*Numero della PushOver.*
PRIMO COLLASSO	:	*Dati relativi ai meccanismi fragili per gli elementi in calcestruzzo armato del Nodo e del Taglio.*
TrCLC	:	*Valore del periodo di ritorno corrispondente all'evento sismico che provoca il raggiungimento della capacità per lo stato limite di collasso del Nodo/Taglio.*
PgaLC/g	:	*Valore della PGA corrispondente all'evento sismico che provoca il raggiungimento della capacità per lo stato limite di collasso Nodo/Taglio.*
Resistenza nel Piano di un pannello in muratura	:	*Indicatori di capacità relativi alla prestazione di raggiungimento della resistenza nel piano del primo pannello in muratura.*
TrCLV	:	*Valore del periodo di ritorno corrispondente all'evento sismico che provoca il raggiungimento della capacità per lo stato limite di Salvaguardia della Vita. Prestazione definita dal raggiungimento della resistenza nel piano del primo pannello in muratura.*
PgaLV/g	:	*Valore della PGA corrispondente all'evento sismico che provoca il raggiungimento della capacità per lo stato limite di Salvaguardia della Vita. Prestazione definita dal raggiungimento della resistenza nel piano del primo pannello in muratura.*
VERIFICA MECCANISMI FRAGILI STRUTTURE IN C.A.	:	*Viene stampata la condizione di VERIFICATA/NON VERIFICATA. Nel caso non venga stampato nulla significa che la verifica effettuata a posteriori sulla curva di capacità determinata con l'analisi non lineare tenendo conto del solo comportamento duttile non è stata in grado di individuare alcun meccanismo fragile per cui è necessario ripetere l'analisi tenendo in conto i meccanismi fragili e settando il dato **Push+PostVer. = No**.*

RISULTATI GENERALI PUSH-OVER
MECCANISMI DI COLLASSO CONSIDERATI NELLA ANALISI PUSH-OVER
- Analisi con meccanismi DUTTILI E FRAGILI - Modalita' di collasso del nodo CLS SENZA confinamento - Collasso a taglio considerato su TUTTE le aste in CLS - Collasso per ripresa di getto IGNORATA - Effetti P-Delta IGNORATI - DISTRIBUZ FORZE SECONDO DEFORMATA MODALE: Proporz.Forze Analisi Sism.Dinamica

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	1 -	Distrib.Forze Prop.Modo:+Fx+0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	41,74
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	28,10
Rigidezza SDOF (t/m)	22039,19	Spostam. Snervam. SDOF mm	1
Periodo SDOF (sec)	0,64	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	55,914	Spostamento mm	0,956
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,004	ZetaE=PgaLV/Pga 10%	0,019
Rapporto q*=Fe/Fy	43,86	Asta3D Nro	164
Tempo Intervento (anni)	0	TrCLV (anni)	2
----------		(TrCLV/TDLV)^a	0,089

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	2 -	Distrib.Forze Prop.Modo:-Fx+0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	7
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	71,72
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	48,28
Rigidezza SDOF (t/m)	20493,08	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,66	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	57,985	Spostamento mm	1,767
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,008	ZetaE=PgaLV/Pga 10%	0,037
Rapporto q*=Fe/Fy	24,61	Asta3D Nro	586
Tempo Intervento (anni)	0	TrCLV (anni)	4
----------		(TrCLV/TDLV)^a	0,119

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	3 -	Distrib.Forze Prop.Modo:+Fy+0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	47,19
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	33,65
Rigidezza SDOF (t/m)	52594,69	Spostam. Snervam. SDOF mm	1
Periodo SDOF (sec)	0,43	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	37,936	Spostamento mm	0,480
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,004	ZetaE=PgaLV/Pga 10%	0,019

Rapporto q*=Fe/Fy	53,96	Asta3D Nro	164
Tempo Intervento (anni)	0	TrCLV (anni)	2
----------		(TrCLV/TDLV)^a	0,089

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	4 -	Distrib.Forze Prop.Modo:-Fy+0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	4
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	157,77
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	112,50
Rigidezza SDOF (t/m)	53924,80	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,43	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	37,290	Spostamento mm	1,565
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,010	ZetaE=PgaLV/Pga 10%	0,046
Rapporto q*=Fe/Fy	16,14	Asta3D Nro	164
Tempo Intervento (anni)	1	TrCLV (anni)	5
----------		(TrCLV/TDLV)^a	0,130

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	5 -	Distrib.Forze Prop.Massa:+Fx+0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	49,97
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	49,95
Rigidezza SDOF (t/m)	28283,24	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,73	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	63,967	Spostamento mm	1,325
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,006	ZetaE=PgaLV/Pga 10%	0,028
Rapporto q*=Fe/Fy	36,22	Asta3D Nro	164
Tempo Intervento (anni)	0	TrCLV (anni)	3
----------		(TrCLV/TDLV)^a	0,105

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	6 -	Distrib.Forze Prop.Massa:-Fx+0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	7
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	86,59
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	86,59
Rigidezza SDOF (t/m)	26388,88	Spostam. Snervam. SDOF mm	3
Periodo SDOF (sec)	0,76	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	66,223	Spostamento mm	2,461
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,010	ZetaE=PgaLV/Pga 10%	0,046
Rapporto q*=Fe/Fy	20,18	Asta3D Nro	586
Tempo Intervento (anni)	1	TrCLV (anni)	5
----------		(TrCLV/TDLV)^a	0,130

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	7 -	Distrib.Forze Prop.Massa:+Fy+0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	53,76
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	53,76
Rigidezza SDOF (t/m)	63111,68	Spostam. Snervam. SDOF mm	1
Periodo SDOF (sec)	0,49	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	42,822	Spostamento mm	0,639
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,004	ZetaE=PgaLV/Pga 10%	0,019
Rapporto q*=Fe/Fy	50,27	Asta3D Nro	164
Tempo Intervento (anni)	0	TrCLV (anni)	2
----------		(TrCLV/TDLV)^a	0,089

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	8 -	Distrib.Forze Prop.Massa:-Fy+0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	4
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	176,69
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	176,69
Rigidezza SDOF (t/m)	64646,13	Spostam. Snervam. SDOF mm	3
Periodo SDOF (sec)	0,48	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	42,311	Spostamento mm	2,050
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,012	ZetaE=PgaLV/Pga 10%	0,056
Rapporto q*=Fe/Fy	15,48	Asta3D Nro	164
Tempo Intervento (anni)	1	TrCLV (anni)	6
----------		(TrCLV/TDLV)^a	0,140

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	9 -	Distrib.Forze Prop.Modo:+Fx-0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	7
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	66,45
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	44,72
Rigidezza SDOF (t/m)	21615,59	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,64	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	56,459	Spostamento mm	1,552
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,008	ZetaE=PgaLV/Pga 10%	0,037
Rapporto q*=Fe/Fy	27,29	Asta3D Nro	587
Tempo Intervento (anni)	0	TrCLV (anni)	4
----------		(TrCLV/TDLV)^a	0,119

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	10 -	Distrib.Forze Prop.Modo:-Fx-0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	7
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	69,69
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	46,91

Rigidezza SDOF (t/m)	20873,45	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,66	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	57,454	Spostamento mm	1,686
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,008	ZetaE=PgaLV/Pga 10%	0,037
Rapporto q*=Fe/Fy	25,56	Asta3D Nro	586
Tempo Intervento (anni)	0	TrCLV (anni)	4
----------		(TrCLV/TDLV)^a	0,119

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	11 -	Distrib.Forze Prop.Modo:+Fy-0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	6
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	68,73
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	49,01
Rigidezza SDOF (t/m)	50315,30	Spostam. Snervam. SDOF mm	1
Periodo SDOF (sec)	0,44	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	38,777	Spostamento mm	0,731
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,004	ZetaE=PgaLV/Pga 10%	0,019
Rapporto q*=Fe/Fy	37,05	Asta3D Nro	581
Tempo Intervento (anni)	0	TrCLV (anni)	2
----------		(TrCLV/TDLV)^a	0,089

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	12 -	Distrib.Forze Prop.Modo:-Fy-0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	6
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	131,87
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	94,04
Rigidezza SDOF (t/m)	56551,50	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,42	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	36,412	Spostamento mm	1,247
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,008	ZetaE=PgaLV/Pga 10%	0,037
Rapporto q*=Fe/Fy	19,31	Asta3D Nro	586
Tempo Intervento (anni)	0	TrCLV (anni)	4
----------		(TrCLV/TDLV)^a	0,119

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	13 -	Distrib.Forze Prop.Massa:+Fx-0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	7
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	77,77
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	77,76
Rigidezza SDOF (t/m)	27794,62	Spostam. Snervam. SDOF mm	3
Periodo SDOF (sec)	0,74	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			

D O M A N D A		C A P A C I T A'	
Spostamento mm	64,527	Spostamento mm	2,099
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,008	ZetaE=PgaLV/Pga 10%	0,037
Rapporto q*=Fe/Fy	23,06	Asta3D Nro	587
Tempo Intervento (anni)	0	TrCLV (anni)	4
----------		(TrCLV/TDLV)^a	0,119

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	14 -	Distrib.Forze Prop.Massa:-Fx-0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	7
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	91,10
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	91,09
Rigidezza SDOF (t/m)	26828,94	Spostam. Snervam. SDOF mm	3
Periodo SDOF (sec)	0,75	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	65,678	Spostamento mm	2,547
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,010	ZetaE=PgaLV/Pga 10%	0,046
Rapporto q*=Fe/Fy	19,34	Asta3D Nro	586
Tempo Intervento (anni)	1	TrCLV (anni)	5
----------		(TrCLV/TDLV)^a	0,130

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	15 -	Distrib.Forze Prop.Massa:+Fy-0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	78,55
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	78,55
Rigidezza SDOF (t/m)	60556,36	Spostam. Snervam. SDOF mm	1
Periodo SDOF (sec)	0,50	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	43,716	Spostamento mm	0,973
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,006	ZetaE=PgaLV/Pga 10%	0,028
Rapporto q*=Fe/Fy	33,70	Asta3D Nro	164
Tempo Intervento (anni)	0	TrCLV (anni)	3
----------		(TrCLV/TDLV)^a	0,105

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	16 -	Distrib.Forze Prop.Massa:-Fy-0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	146,29
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	146,28
Rigidezza SDOF (t/m)	67566,58	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,47	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	41,363	Spostamento mm	1,624
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,010	ZetaE=PgaLV/Pga 10%	0,046
Rapporto q*=Fe/Fy	18,92	Asta3D Nro	581

Tempo Intervento (anni)	1	TrCLV (anni)	5
----------		(TrCLV/TDLV)^a	0,130

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	17 -	Distrib.Forze Prop.Modo:+Fx+0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	37,84
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	25,47
Rigidezza SDOF (t/m)	20873,45	Spostam. Snervam. SDOF mm	1
Periodo SDOF (sec)	0,66	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	57,454	Spostamento mm	0,915
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,004	ZetaE=PgaLV/Pga 10%	0,019
Rapporto q*=Fe/Fy	47,08	Asta3D Nro	164
Tempo Intervento (anni)	0	TrCLV (anni)	2
----------		(TrCLV/TDLV)^a	0,089

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	18 -	Distrib.Forze Prop.Modo:-Fx+0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	7
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	68,23
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	45,92
Rigidezza SDOF (t/m)	21615,59	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,64	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	56,459	Spostamento mm	1,594
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,008	ZetaE=PgaLV/Pga 10%	0,037
Rapporto q*=Fe/Fy	26,58	Asta3D Nro	586
Tempo Intervento (anni)	0	TrCLV (anni)	4
----------		(TrCLV/TDLV)^a	0,119

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	19 -	Distrib.Forze Prop.Modo:+Fy+0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	39,21
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	27,96
Rigidezza SDOF (t/m)	56551,50	Spostam. Snervam. SDOF mm	0
Periodo SDOF (sec)	0,42	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	36,577	Spostamento mm	0,371
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,002	ZetaE=PgaLV/Pga 10%	0,009
Rapporto q*=Fe/Fy	64,94	Asta3D Nro	164
Tempo Intervento (anni)	0	TrCLV (anni)	1
----------		(TrCLV/TDLV)^a	0,067

RISULTATI GENERALI PUSH-OVER		
PUSH-OVER N.ro	20 -	Distrib.Forze Prop.Modo:-Fy+0.3*Fx-Ecc5%

Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	6
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	150,13
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	107,03
Rigidezza SDOF (t/m)	50315,30	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,44	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	38,689	Spostamento mm	1,596
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,010	ZetaE=PgaLV/Pga 10%	0,046
Rapporto q*=Fe/Fy	16,97	Asta3D Nro	587
Tempo Intervento (anni)	1	TrCLV (anni)	5
----------		(TrCLV/TDLV)^a	0,130

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	21 -	Distrib.Forze Prop.Massa:+Fx+0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	45,43
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	45,43
Rigidezza SDOF (t/m)	26828,94	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,75	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	65,678	Spostamento mm	1,270
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,004	ZetaE=PgaLV/Pga 10%	0,019
Rapporto q*=Fe/Fy	38,78	Asta3D Nro	164
Tempo Intervento (anni)	0	TrCLV (anni)	2
----------		(TrCLV/TDLV)^a	0,089

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	22 -	Distrib.Forze Prop.Massa:-Fx+0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	7
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	84,32
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	84,30
Rigidezza SDOF (t/m)	27794,62	Spostam. Snervam. SDOF mm	3
Periodo SDOF (sec)	0,74	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	64,527	Spostamento mm	2,275
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,010	ZetaE=PgaLV/Pga 10%	0,046
Rapporto q*=Fe/Fy	21,28	Asta3D Nro	586
Tempo Intervento (anni)	1	TrCLV (anni)	5
----------		(TrCLV/TDLV)^a	0,130

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	23 -	Distrib.Forze Prop.Massa:+Fy+0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	44,74
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	44,74
Rigidezza SDOF (t/m)	67566,58	Spostam. Snervam. SDOF mm	1

Periodo SDOF (sec)	0,47	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	41,379	Spostamento mm	0,497
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,004	ZetaE=PgaLV/Pga 10%	0,019
Rapporto q*=Fe/Fy	61,84	Asta3D Nro	164
Tempo Intervento (anni)	0	TrCLV (anni)	2
----------		(TrCLV/TDLV)^a	0,089

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	24 -	Distrib.Forze Prop.Massa:-Fy+0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	163,08
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	163,08
Rigidezza SDOF (t/m)	60556,36	Spostam. Snervam. SDOF mm	3
Periodo SDOF (sec)	0,50	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	43,716	Spostamento mm	2,020
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,012	ZetaE=PgaLV/Pga 10%	0,056
Rapporto q*=Fe/Fy	16,23	Asta3D Nro	587
Tempo Intervento (anni)	1	TrCLV (anni)	6
----------		(TrCLV/TDLV)^a	0,140

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	25 -	Distrib.Forze Prop.Modo:+Fx-0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	7
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	63,19
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	42,53
Rigidezza SDOF (t/m)	20493,08	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,66	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	57,985	Spostamento mm	1,557
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,006	ZetaE=PgaLV/Pga 10%	0,028
Rapporto q*=Fe/Fy	27,94	Asta3D Nro	587
Tempo Intervento (anni)	0	TrCLV (anni)	3
----------		(TrCLV/TDLV)^a	0,105

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	26 -	Distrib.Forze Prop.Modo:-Fx-0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	7
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	68,41
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	46,04
Rigidezza SDOF (t/m)	22039,19	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,64	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	

Spostamento mm	55,914	Spostamento mm	1,567
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,008	ZetaE=PgaLV/Pga 10%	0,037
Rapporto q*=Fe/Fy	26,77	Asta3D Nro	586
Tempo Intervento (anni)	0	TrCLV (anni)	4
----------		(TrCLV/TDLV)^a	0,119

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	27 -	Distrib.Forze Prop.Modo:+Fy-0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	51,83
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	36,96
Rigidezza SDOF (t/m)	53924,80	Spostam. Snervam. SDOF mm	1
Periodo SDOF (sec)	0,43	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	37,451	Spostamento mm	0,514
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,004	ZetaE=PgaLV/Pga 10%	0,019
Rapporto q*=Fe/Fy	49,14	Asta3D Nro	164
Tempo Intervento (anni)	0	TrCLV (anni)	2
----------		(TrCLV/TDLV)^a	0,089

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	28 -	Distrib.Forze Prop.Modo:-Fy-0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	4
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	150,95
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	107,63
Rigidezza SDOF (t/m)	52594,70	Spostam. Snervam. SDOF mm	2
Periodo SDOF (sec)	0,43	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	37,795	Spostamento mm	1,535
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,010	ZetaE=PgaLV/Pga 10%	0,046
Rapporto q*=Fe/Fy	16,87	Asta3D Nro	164
Tempo Intervento (anni)	1	TrCLV (anni)	5
----------		(TrCLV/TDLV)^a	0,130

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	29 -	Distrib.Forze Prop.Massa:+Fx-0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	7
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	74,65
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	74,64
Rigidezza SDOF (t/m)	26388,89	Spostam. Snervam. SDOF mm	3
Periodo SDOF (sec)	0,76	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	66,223	Spostamento mm	2,122
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,008	ZetaE=PgaLV/Pga 10%	0,037
Rapporto q*=Fe/Fy	23,41	Asta3D Nro	587
Tempo Intervento (anni)	0	TrCLV (anni)	4

----------		(TrCLV/TDLV)^a	0,119

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	30 -	Distrib.Forze Prop.Massa:-Fx-0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	7
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	90,18
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	90,16
Rigidezza SDOF (t/m)	28283,23	Spostam. Snervam. SDOF mm	3
Periodo SDOF (sec)	0,73	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	63,967	Spostamento mm	2,391
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,010	ZetaE=PgaLV/Pga 10%	0,046
Rapporto q*=Fe/Fy	20,07	Asta3D Nro	586
Tempo Intervento (anni)	1	TrCLV (anni)	5
----------		(TrCLV/TDLV)^a	0,130

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	31 -	Distrib.Forze Prop.Massa:+Fy-0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	5
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	59,24
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	59,24
Rigidezza SDOF (t/m)	64646,13	Spostam. Snervam. SDOF mm	1
Periodo SDOF (sec)	0,48	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	42,311	Spostamento mm	0,687
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,004	ZetaE=PgaLV/Pga 10%	0,019
Rapporto q*=Fe/Fy	46,17	Asta3D Nro	164
Tempo Intervento (anni)	0	TrCLV (anni)	2
----------		(TrCLV/TDLV)^a	0,089

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	32 -	Distrib.Forze Prop.Massa:-Fy-0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	4
Numero passo Resist.Max.	1	Numero passi significativi	1
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	175,47
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	175,45
Rigidezza SDOF (t/m)	63111,69	Spostam. Snervam. SDOF mm	3
Periodo SDOF (sec)	0,49	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	1,000	Fattore di comportamento	1,000
Coeff Smorzam.Equival.(%)	5	Duttilita	1,000
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	42,822	Spostamento mm	2,085
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	0
PgaLV/g	0,012	ZetaE=PgaLV/Pga 10%	0,056
Rapporto q*=Fe/Fy	15,40	Asta3D Nro	164
Tempo Intervento (anni)	1	TrCLV (anni)	6
----------		(TrCLV/TDLV)^a	0,140

- ## SPECIFICHE CAMPI TABELLA DI STAMPA PUSH-OVER

Numero d'ordine della PushOver	:	*Tipo di distribuzione delle forze orizzontali utilizzate nell'analisi.*
Angolo Ingr. Sisma (Grd)	:	*Angolo di ingresso del sisma della PushOver.*
Numero collassi totali	:	*Numero di elementi che hanno raggiunto la condizione di collasso al termine dell'analisi.*
Numero passo Resist.Max.	:	*Numero del passo a cui corrisponde il picco massimo del taglio alla base nella curva di capacità.*
Numero passi significativi	:	*Numero dei passi significativi alla fine dell'analisi.*
Massa SDOF, (t)	:	*Massa totale del sistema equivalente.*
Taglio alla base max., (t)	:	*Tagliante massimo alla base della struttura reale.*
Coeff. Partecipazione	:	*Coefficiente di partecipazione relativo alla distribuzione di forze orizzontali utilizzate nell'analisi della PushOver.*
Resistenza SDOF, (t)	:	*Resistenza allo snervamento del sistema ad un grado di libertà equivalente.*
Rigidezza SDOF, (t/m)	:	*Rigidezza all'origine del sistema ad un grado di libertà equivalente.*
Spostam. Snervam. SDOF, (mm)	:	*Spostamento a cui corrisponde lo snervamento del sistema ad un grado di libertà equivalente.*
Periodo SDOF, (sec)	:	*Periodo proprio del sistema ad un grado di libertà equivalente.*
Rapporto di incrudimento	:	*Rapporto tra la rigidezza incrudente e la rigidezza all'origine del sistema ad un grado di libertà equivalente. Per un sistema elastico perfettamente plastico tale rapporto vale sempre 0.*
Rapporto Alfau/alfa1	:	*Rapporto tra il tagliante ultimo e il tagliantea cui corrisponde la formazione della prima cerniera plastica. Per le strutture esistenti tale valore può assumere valori molto alti in quanto per bassi valori di forze orizzontali spesso viene raggiunto il limite elastico in qualche sezione.*
Fattore struttura	:	*Fattore di struttura (q) calcolato a posteriori in funzione delle effettive risorse anelastiche della struttura.*
Coeff Smorzam.Equival.	:	*Coefficiente di smorzamento di un oscillatore elasto-viscoso che dissipa per viscosità la stessa energia della struttura.*
Duttilità	:	*Duttilità misurata sul legame bilatero del sistema elasto-plastico equivalente come rapporto tra lo spostamento ultimo (fine del tratto orizzontale) e lo spostamento al limite elastico (inizio tratto orizzontale).*

Per ogni stato limite richiesto, la frase "*MECCANISMI CONSIDERATI NELL'ANALISI*" significa:

Con Flag di post-verifica = NO	:	*Considera nell'analisi al passo non lineare sia i meccanismi fragili attivati che quelli duttili.*
Con Flag di post-verifica = SI	:	*Verifica a posteriori dei meccanismi fragili in corrispondenza dei passi della curva di capacità precedentemente valutata per il solo comportamento duttile. I risultati relativi ai soli meccanismi fragili sono riportati in una apposita tabella.*

Spostamento	:	*Domanda/Capacita dello spostamento relativo allo stato limite.*
S.L.x	:	*Flag riassuntivo della verifica effettuata per i meccanismi considerati nell'analisi.*
PgaLx/g	:	*Valore della PGA limite corrispondente alla prestazione definita per lo stato limite considerato e per i meccanismi considerati nell'analisi.*
q*	:	*Rapporto tra la domanda elastica di tagliante alla base e la resistenza del sistema SDOF equivalente. Viene utilizzato solo per le struttura in muratura in qual caso non può superare il valore 3.*
Numero passo precedente	:	*Numero passo precedente al punto della curva per cui si raggiunge la capacità rispetto alla prestazione definita per lo stato limite e per i soli meccanismi considerati nell'analisi.*
PgaLx/Pga y%	:	*Rapporto tra la PGA limite e la PGA al bedrock del sisma atteso nel sito con la probabilità prevista per lo stato limite corrispondente.*
Asta3D Nro	:	*Numerazione 3D dell'asta in cui si raggiunge la prestazione definita per lo stato limite e per i soli meccanismi considerati nell'analisi.*
TrCLx	:	*Valore del periodo di ritorno corrispondente all'evento sismico che provoca il raggiungimento della capacità per lo stato limite considerato e per i soli meccanismi considerati nell'analisi.*
(TrCLx/TDLx)^a	:	*Rapporto tra il periodo di ritorno del sisma a cui corrisponde il raggiungimento della capacità ed il periodo di ritorno del sisma atteso nel sito con la probabilità prevista per lo stato limite corrispondente. L'esponente **a** vale 0,41 come previsto dalle linee guida nazionali.*

DATI STAMPATI PER LE TABELLE AUSILIARIE

Push. nro	:	*Numero della PushOver.*
PRIMO COLLASSO	:	*Dati relativi ai meccanismi fragili per gli elementi in calcestruzzo armato del Nodo e del Taglio.*
TrCLC	:	*Valore del periodo di ritorno corrispondente all'evento sismico che provoca il raggiungimento della capacità per lo stato limite di collasso del Nodo/Taglio.*
PgaLC/g	:	*Valore della PGA corrispondente all'evento sismico che provoca il raggiungimento della capacità per lo stato limite di collasso Nodo/Taglio.*
Resistenza nel Piano di un pannello in muratura	:	*Indicatori di capacità relativi alla prestazione di raggiungimento della resistenza nel piano del primo pannello in muratura.*
TrCLV	:	*Valore del periodo di ritorno corrispondente all'evento sismico che provoca il raggiungimento della capacità per lo stato limite di Salvaguardia della Vita. Prestazione definita dal raggiungimento della resistenza nel piano del primo pannello in muratura.*
PgaLV/g	:	*Valore della PGA corrispondente all'evento sismico che provoca il raggiungimento della capacità per lo stato limite di Salvaguardia della Vita. Prestazione definita dal raggiungimento della resistenza nel piano del primo pannello in muratura.*
VERIFICA MECCANISMI FRAGILI STRUTTURE IN C.A.	:	*Viene stampata la condizione di VERIFICATA/NON VERIFICATA. Nel caso non venga stampato nulla significa che la verifica effettuata a posteriori sulla curva di capacità determinata con l'analisi non lineare tenendo conto del solo comportamento duttile non è stata in grado di individuare alcun meccanismo fragile per cui è necessario ripetere l'analisi tenendo in conto i meccanismi fragili e settando il dato **Push+PostVer. = No**.*

RISULTATI GENERALI PUSH-OVER
MECCANISMI DI COLLASSO CONSIDERATI NELLA ANALISI PUSH-OVER
- Analisi con meccanismi DUTTILI E FRAGILI - NESSUNA modalita' di collasso considerata per il nodo in CLS - Collasso a taglio considerato su TUTTE le aste in CLS - Collasso per ripresa di getto IGNORATA - Effetti P-Delta IGNORATI - DISTRIBUZ FORZE SECONDO DEFORMATA MODALE: Proporz.Forze Analisi Sism.Dinamica

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	1 -	Distrib.Forze Prop.Modo:+Fx+0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	15
Numero passo Resist.Max.	60	Numero passi significativi	70
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	252,03
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	133,90
Rigidezza SDOF (t/m)	12851,93	Spostam. Snervam. SDOF mm	10
Periodo SDOF (sec)	0,84	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	6,039	Fattore di comportamento	5,130
Coeff Smorzam.Equival.(%)	30	Duttilita	5,130
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	73,221	Spostamento mm	3,993
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	8
PgaLV/g	0,013	ZetaE=PgaLV/Pga 10%	0,065
Rapporto q*=Fe/Fy	7,03	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	7
----------		(TrCLV/TDLV)^a	0,149

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	2 -	Distrib.Forze Prop.Modo:-Fx+0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	15
Numero passo Resist.Max.	65	Numero passi significativi	73
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	268,09
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	139,78
Rigidezza SDOF (t/m)	12628,86	Spostam. Snervam. SDOF mm	11
Periodo SDOF (sec)	0,84	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,738	Fattore di comportamento	4,993
Coeff Smorzam.Equival.(%)	30	Duttilita	4,993
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	73,865	Spostamento mm	4,470
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	7
PgaLV/g	0,015	ZetaE=PgaLV/Pga 10%	0,074
Rapporto q*=Fe/Fy	6,67	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	8
----------		(TrCLV/TDLV)^a	0,158

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	3 -	Distrib.Forze Prop.Modo:+Fy+0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	15
Numero passo Resist.Max.	71	Numero passi significativi	97
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	591,54
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	367,43
Rigidezza SDOF (t/m)	51975,88	Spostam. Snervam. SDOF mm	7
Periodo SDOF (sec)	0,44	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	12,535	Fattore di comportamento	9,380
Coeff Smorzam.Equival.(%)	33	Duttilita	10,169
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	37,561	Spostamento mm	5,439
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	24
PgaLV/g	0,035	ZetaE=PgaLV/Pga 10%	0,167

Rapporto q*=Fe/Fy	4,94	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	18
----------		(TrCLV/TDLV)^a	0,220

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	4 -	Distrib.Forze Prop.Modo:-Fy+0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	15
Numero passo Resist.Max.	57	Numero passi significativi	81
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	631,73
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	384,35
Rigidezza SDOF (t/m)	52845,93	Spostam. Snervam. SDOF mm	7
Periodo SDOF (sec)	0,43	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	4,004	Fattore di comportamento	1,552
Coeff Smorzam.Equival.(%)	17	Duttilita	1,609
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	37,159	Spostamento mm	5,946
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	16
PgaLV/g	0,038	ZetaE=PgaLV/Pga 10%	0,186
Rapporto q*=Fe/Fy	4,72	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	20
----------		(TrCLV/TDLV)^a	0,230

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	5 -	Distrib.Forze Prop.Massa:+Fx+0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	15
Numero passo Resist.Max.	56	Numero passi significativi	73
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	292,96
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	230,80
Rigidezza SDOF (t/m)	17487,05	Spostam. Snervam. SDOF mm	13
Periodo SDOF (sec)	0,93	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	5,863	Fattore di comportamento	4,453
Coeff Smorzam.Equival.(%)	29	Duttilita	4,453
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	81,351	Spostamento mm	5,460
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	8
PgaLV/g	0,017	ZetaE=PgaLV/Pga 10%	0,084
Rapporto q*=Fe/Fy	6,16	Asta3D Nro	222
Tempo Intervento (anni)	1	TrCLV (anni)	9
----------		(TrCLV/TDLV)^a	0,166

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	6 -	Distrib.Forze Prop.Massa:-Fx+0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	15
Numero passo Resist.Max.	55	Numero passi significativi	57
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	291,09
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	238,27
Rigidezza SDOF (t/m)	17776,52	Spostam. Snervam. SDOF mm	13
Periodo SDOF (sec)	0,92	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,361	Fattore di comportamento	4,185
Coeff Smorzam.Equival.(%)	29	Duttilita	4,185
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	80,686	Spostamento mm	6,560
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	7
PgaLV/g	0,019	ZetaE=PgaLV/Pga 10%	0,093
Rapporto q*=Fe/Fy	6,02	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	10
----------		(TrCLV/TDLV)^a	0,173

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	7 -	Distrib.Forze Prop.Massa:+Fy+0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	15
Numero passo Resist.Max.	98	Numero passi significativi	98
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	637,62
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	605,33
Rigidezza SDOF (t/m)	62430,21	Spostam. Snervam. SDOF mm	10
Periodo SDOF (sec)	0,49	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	11,861	Fattore di comportamento	7,771
Coeff Smorzam.Equival.(%)	32	Duttilita	7,771
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	43,055	Spostamento mm	6,852
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	22
PgaLV/g	0,040	ZetaE=PgaLV/Pga 10%	0,195
Rapporto q*=Fe/Fy	4,44	Asta3D Nro	222
Tempo Intervento (anni)	1	TrCLV (anni)	21
----------		(TrCLV/TDLV)^a	0,235

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	8 -	Distrib.Forze Prop.Massa:-Fy+0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	15
Numero passo Resist.Max.	65	Numero passi significativi	92
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	728,94
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	622,22
Rigidezza SDOF (t/m)	63172,12	Spostam. Snervam. SDOF mm	10
Periodo SDOF (sec)	0,49	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	4,126	Fattore di comportamento	1,760
Coeff Smorzam.Equival.(%)	18	Duttilita	1,760
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	42,802	Spostamento mm	8,100
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	15
PgaLV/g	0,046	ZetaE=PgaLV/Pga 10%	0,223
Rapporto q*=Fe/Fy	4,35	Asta3D Nro	191
Tempo Intervento (anni)	2	TrCLV (anni)	24
----------		(TrCLV/TDLV)^a	0,248

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	9 -	Distrib.Forze Prop.Modo:+Fx-0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	15
Numero passo Resist.Max.	53	Numero passi significativi	72
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	241,60
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	132,75
Rigidezza SDOF (t/m)	13241,81	Spostam. Snervam. SDOF mm	10
Periodo SDOF (sec)	0,82	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,636	Fattore di comportamento	4,113
Coeff Smorzam.Equival.(%)	29	Duttilita	4,113
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	72,135	Spostamento mm	4,057
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	7
PgaLV/g	0,013	ZetaE=PgaLV/Pga 10%	0,065
Rapporto q*=Fe/Fy	7,20	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	7
----------		(TrCLV/TDLV)^a	0,149

RISULTATI GENERALI PUSH-OVER

PUSH-OVER N.ro	10 -	Distrib.Forze Prop.Modo:-Fx-0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	15
Numero passo Resist.Max.	56	Numero passi significativi	72
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	258,39
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	142,48

Rigidezza SDOF (t/m)	13046,06	Spostam. Snervam. SDOF mm	11
Periodo SDOF (sec)	0,83	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,708	Fattore di comportamento	3,571
Coeff Smorzam.Equival.(%)	27	Duttilita	3,571
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	72,674	Spostamento mm	4,236
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	6
PgaLV/g	0,015	ZetaE=PgaLV/Pga 10%	0,074
Rapporto q*=Fe/Fy	6,65	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	8
----------		(TrCLV/TDLV)^a	0,158

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	11 -	Distrib.Forze Prop.Modo:+Fy-0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	15
Numero passo Resist.Max.	63	Numero passi significativi	90
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	537,49
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	342,36
Rigidezza SDOF (t/m)	49281,20	Spostam. Snervam. SDOF mm	7
Periodo SDOF (sec)	0,45	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	7,820	Fattore di comportamento	6,745
Coeff Smorzam.Equival.(%)	32	Duttilita	7,121
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	38,803	Spostamento mm	6,226
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	33
PgaLV/g	0,038	ZetaE=PgaLV/Pga 10%	0,186
Rapporto q*=Fe/Fy	5,30	Asta3D Nro	49
Tempo Intervento (anni)	1	TrCLV (anni)	20
----------		(TrCLV/TDLV)^a	0,230

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	12 -	Distrib.Forze Prop.Modo:-Fy-0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	15
Numero passo Resist.Max.	45	Numero passi significativi	51
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	489,58
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	315,36
Rigidezza SDOF (t/m)	56088,32	Spostam. Snervam. SDOF mm	6
Periodo SDOF (sec)	0,42	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,712	Fattore di comportamento	1,582
Coeff Smorzam.Equival.(%)	17	Duttilita	1,661
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	36,030	Spostamento mm	5,450
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	17
PgaLV/g	0,037	ZetaE=PgaLV/Pga 10%	0,177
Rapporto q*=Fe/Fy	5,76	Asta3D Nro	219
Tempo Intervento (anni)	1	TrCLV (anni)	19
----------		(TrCLV/TDLV)^a	0,225

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	13 -	Distrib.Forze Prop.Massa:+Fx-0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	15
Numero passo Resist.Max.	60	Numero passi significativi	62
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	309,96
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	249,95
Rigidezza SDOF (t/m)	17297,87	Spostam. Snervam. SDOF mm	14
Periodo SDOF (sec)	0,93	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,985	Fattore di comportamento	4,296
Coeff Smorzam.Equival.(%)	29	Duttilita	4,296
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			

D O M A N D A		C A P A C I T A'	
Spostamento mm	81,795	Spostamento mm	5,723
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	8
PgaLV/g	0,017	ZetaE=PgaLV/Pga 10%	0,084
Rapporto q*=Fe/Fy	5,66	Asta3D Nro	222
Tempo Intervento (anni)	1	TrCLV (anni)	9
----------		(TrCLV/TDLV)^a	0,166

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	14 -	Distrib.Forze Prop.Massa:-Fx-0.3*Fy+Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	15
Numero passo Resist.Max.	53	Numero passi significativi	60
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	305,60
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	260,18
Rigidezza SDOF (t/m)	17540,89	Spostam. Snervam. SDOF mm	15
Periodo SDOF (sec)	0,93	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,354	Fattore di comportamento	3,812
Coeff Smorzam.Equival.(%)	28	Duttilita	3,812
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	81,226	Spostamento mm	6,357
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	6
PgaLV/g	0,019	ZetaE=PgaLV/Pga 10%	0,093
Rapporto q*=Fe/Fy	5,48	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	10
----------		(TrCLV/TDLV)^a	0,173

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	15 -	Distrib.Forze Prop.Massa:+Fy-0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	15
Numero passo Resist.Max.	101	Numero passi significativi	105
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	611,80
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	584,12
Rigidezza SDOF (t/m)	59432,31	Spostam. Snervam. SDOF mm	10
Periodo SDOF (sec)	0,50	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	7,788	Fattore di comportamento	7,741
Coeff Smorzam.Equival.(%)	32	Duttilita	7,741
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	44,128	Spostamento mm	7,385
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	28
PgaLV/g	0,042	ZetaE=PgaLV/Pga 10%	0,205
Rapporto q*=Fe/Fy	4,49	Asta3D Nro	49
Tempo Intervento (anni)	1	TrCLV (anni)	22
----------		(TrCLV/TDLV)^a	0,239

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	16 -	Distrib.Forze Prop.Massa:-Fy-0.3*Fx+Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	15
Numero passo Resist.Max.	43	Numero passi significativi	43
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	543,96
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	465,68
Rigidezza SDOF (t/m)	67005,20	Spostam. Snervam. SDOF mm	7
Periodo SDOF (sec)	0,47	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,718	Fattore di comportamento	1,580
Coeff Smorzam.Equival.(%)	16	Duttilita	1,584
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	41,515	Spostamento mm	6,900
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	15
PgaLV/g	0,040	ZetaE=PgaLV/Pga 10%	0,195
Rapporto q*=Fe/Fy	5,94	Asta3D Nro	190

Tempo Intervento (anni)	1	TrCLV (anni)	21
----------		(TrCLV/TDLV)^a	0,235

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	17 -	Distrib.Forze Prop.Modo:+Fx+0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	15
Numero passo Resist.Max.	31	Numero passi significativi	71
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	221,04
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	148,80
Rigidezza SDOF (t/m)	13131,40	Spostam. Snervam. SDOF mm	11
Periodo SDOF (sec)	0,83	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	5,841	Fattore di comportamento	1,215
Coeff Smorzam.Equival.(%)	10	Duttilita	1,215
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	72,437	Spostamento mm	4,228
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	10
PgaLV/g	0,015	ZetaE=PgaLV/Pga 10%	0,074
Rapporto q*=Fe/Fy	6,39	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	8
----------		(TrCLV/TDLV)^a	0,158

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	18 -	Distrib.Forze Prop.Modo:-Fx+0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	15
Numero passo Resist.Max.	61	Numero passi significativi	69
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	268,19
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	138,85
Rigidezza SDOF (t/m)	12853,75	Spostam. Snervam. SDOF mm	11
Periodo SDOF (sec)	0,84	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,931	Fattore di comportamento	5,077
Coeff Smorzam.Equival.(%)	30	Duttilita	5,077
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	73,216	Spostamento mm	4,122
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	6
PgaLV/g	0,013	ZetaE=PgaLV/Pga 10%	0,065
Rapporto q*=Fe/Fy	6,78	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	7
----------		(TrCLV/TDLV)^a	0,149

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	19 -	Distrib.Forze Prop.Modo:+Fy+0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	15
Numero passo Resist.Max.	32	Numero passi significativi	57
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	495,85
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	331,45
Rigidezza SDOF (t/m)	56256,41	Spostam. Snervam. SDOF mm	6
Periodo SDOF (sec)	0,42	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	12,646	Fattore di comportamento	1,094
Coeff Smorzam.Equival.(%)	8	Duttilita	1,106
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	35,928	Spostamento mm	5,269
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	23
PgaLV/g	0,037	ZetaE=PgaLV/Pga 10%	0,177
Rapporto q*=Fe/Fy	5,48	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	19
----------		(TrCLV/TDLV)^a	0,225

RISULTATI GENERALI PUSH-OVER		
PUSH-OVER N.ro	20 -	Distrib.Forze Prop.Modo:-Fy+0.3*Fx-Ecc5%

Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	15
Numero passo Resist.Max.	68	Numero passi significativi	82
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	564,63
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	360,39
Rigidezza SDOF (t/m)	49077,30	Spostam. Snervam. SDOF mm	7
Periodo SDOF (sec)	0,45	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,761	Fattore di comportamento	6,155
Coeff Smorzam.Equival.(%)	31	Duttilita	6,481
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	38,875	Spostamento mm	6,799
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	27
PgaLV/g	0,042	ZetaE=PgaLV/Pga 10%	0,205
Rapporto q*=Fe/Fy	5,04	Asta3D Nro	182
Tempo Intervento (anni)	1	TrCLV (anni)	22
----------		(TrCLV/TDLV)^a	0,239

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	21 -	Distrib.Forze Prop.Massa:+Fx+0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	15
Numero passo Resist.Max.	59	Numero passi significativi	79
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	290,05
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	236,32
Rigidezza SDOF (t/m)	17159,17	Spostam. Snervam. SDOF mm	14
Periodo SDOF (sec)	0,94	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	6,384	Fattore di comportamento	4,488
Coeff Smorzam.Equival.(%)	29	Duttilita	4,488
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	82,125	Spostamento mm	5,793
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	8
PgaLV/g	0,017	ZetaE=PgaLV/Pga 10%	0,084
Rapporto q*=Fe/Fy	5,96	Asta3D Nro	222
Tempo Intervento (anni)	1	TrCLV (anni)	9
----------		(TrCLV/TDLV)^a	0,166

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	22 -	Distrib.Forze Prop.Massa:-Fx+0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	15
Numero passo Resist.Max.	56	Numero passi significativi	58
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	290,99
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	237,72
Rigidezza SDOF (t/m)	18122,87	Spostam. Snervam. SDOF mm	13
Periodo SDOF (sec)	0,91	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,451	Fattore di comportamento	4,224
Coeff Smorzam.Equival.(%)	29	Duttilita	4,224
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	79,911	Spostamento mm	6,163
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	6
PgaLV/g	0,019	ZetaE=PgaLV/Pga 10%	0,093
Rapporto q*=Fe/Fy	6,09	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	10
----------		(TrCLV/TDLV)^a	0,173

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	23 -	Distrib.Forze Prop.Massa:+Fy+0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	15
Numero passo Resist.Max.	65	Numero passi significativi	65
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	507,30
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	439,47
Rigidezza SDOF (t/m)	67247,12	Spostam. Snervam. SDOF mm	7

Periodo SDOF (sec)	0,47	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	11,338	Fattore di comportamento	2,864
Coeff Smorzam.Equival.(%)	25	Duttilita	2,879
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	41,431	Spostamento mm	7,046
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	24
PgaLV/g	0,042	ZetaE=PgaLV/Pga 10%	0,205
Rapporto q*=Fe/Fy	6,30	Asta3D Nro	222
Tempo Intervento (anni)	1	TrCLV (anni)	22
----------		(TrCLV/TDLV)^a	0,239

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	24 -	Distrib.Forze Prop.Massa:-Fy+0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	15
Numero passo Resist.Max.	71	Numero passi significativi	86
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	659,93
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	613,50
Rigidezza SDOF (t/m)	59027,14	Spostam. Snervam. SDOF mm	10
Periodo SDOF (sec)	0,51	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	4,047	Fattore di comportamento	5,108
Coeff Smorzam.Equival.(%)	30	Duttilita	5,108
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	44,279	Spostamento mm	7,707
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	18
PgaLV/g	0,042	ZetaE=PgaLV/Pga 10%	0,205
Rapporto q*=Fe/Fy	4,26	Asta3D Nro	182
Tempo Intervento (anni)	1	TrCLV (anni)	22
----------		(TrCLV/TDLV)^a	0,239

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	25 -	Distrib.Forze Prop.Modo:+Fx-0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	15
Numero passo Resist.Max.	52	Numero passi significativi	69
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	240,05
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	132,48
Rigidezza SDOF (t/m)	12873,34	Spostam. Snervam. SDOF mm	10
Periodo SDOF (sec)	0,83	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,799	Fattore di comportamento	3,919
Coeff Smorzam.Equival.(%)	28	Duttilita	3,919
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	73,160	Spostamento mm	4,288
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	8
PgaLV/g	0,015	ZetaE=PgaLV/Pga 10%	0,074
Rapporto q*=Fe/Fy	7,11	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	8
----------		(TrCLV/TDLV)^a	0,158

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	26 -	Distrib.Forze Prop.Modo:-Fx-0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	15
Numero passo Resist.Max.	49	Numero passi significativi	58
Massa SDOF (t)	2228,89	Taglio alla base max. (t)	241,43
Coeff. Partecipazione	1,49	Resistenza SDOF (t)	140,56
Rigidezza SDOF (t/m)	13553,01	Spostam. Snervam. SDOF mm	10
Periodo SDOF (sec)	0,81	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,529	Fattore di comportamento	4,545
Coeff Smorzam.Equival.(%)	29	Duttilita	4,545
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	

Spostamento mm	71,302	Spostamento mm	3,968
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	6
PgaLV/g	0,013	ZetaE=PgaLV/Pga 10%	0,065
Rapporto q*=Fe/Fy	6,88	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	7
----------		(TrCLV/TDLV)^a	0,149

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	27 -	Distrib.Forze Prop.Modo:+Fy-0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	15
Numero passo Resist.Max.	36	Numero passi significativi	90
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	527,20
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	353,28
Rigidezza SDOF (t/m)	53819,57	Spostam. Snervam. SDOF mm	7
Periodo SDOF (sec)	0,43	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	10,173	Fattore di comportamento	1,089
Coeff Smorzam.Equival.(%)	7	Duttilita	1,099
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	36,822	Spostamento mm	6,095
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	25
PgaLV/g	0,040	ZetaE=PgaLV/Pga 10%	0,195
Rapporto q*=Fe/Fy	5,14	Asta3D Nro	49
Tempo Intervento (anni)	1	TrCLV (anni)	21
----------		(TrCLV/TDLV)^a	0,235

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	28 -	Distrib.Forze Prop.Modo:-Fy-0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	15
Numero passo Resist.Max.	81	Numero passi significativi	81
Massa SDOF (t)	2456,86	Taglio alla base max. (t)	628,22
Coeff. Partecipazione	1,40	Resistenza SDOF (t)	411,71
Rigidezza SDOF (t/m)	51423,14	Spostam. Snervam. SDOF mm	8
Periodo SDOF (sec)	0,44	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	4,162	Fattore di comportamento	2,015
Coeff Smorzam.Equival.(%)	21	Duttilita	2,105
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	37,724	Spostamento mm	5,282
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	15
PgaLV/g	0,035	ZetaE=PgaLV/Pga 10%	0,167
Rapporto q*=Fe/Fy	4,41	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	18
----------		(TrCLV/TDLV)^a	0,220

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	29 -	Distrib.Forze Prop.Massa:+Fx-0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	0	Numero collassi totali	15
Numero passo Resist.Max.	60	Numero passi significativi	62
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	308,93
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	249,85
Rigidezza SDOF (t/m)	16801,95	Spostam. Snervam. SDOF mm	15
Periodo SDOF (sec)	0,95	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	4,138	Fattore di comportamento	4,218
Coeff Smorzam.Equival.(%)	29	Duttilita	4,218
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	82,993	Spostamento mm	6,081
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	7
PgaLV/g	0,017	ZetaE=PgaLV/Pga 10%	0,084
Rapporto q*=Fe/Fy	5,58	Asta3D Nro	222
Tempo Intervento (anni)	1	TrCLV (anni)	9

----------		(TrCLV/TDLV)^a	0,166

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	30 -	Distrib.Forze Prop.Massa:-Fx-0.3*Fy-Ecc5%	
Angolo Ingr. Sisma (Grd)	180	Numero collassi totali	15
Numero passo Resist.Max.	55	Numero passi significativi	57
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	291,14
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	238,88
Rigidezza SDOF (t/m)	18400,23	Spostam. Snervam. SDOF mm	13
Periodo SDOF (sec)	0,91	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,229	Fattore di comportamento	4,313
Coeff Smorzam.Equival.(%)	29	Duttilita	4,313
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	79,307	Spostamento mm	5,922
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	7
PgaLV/g	0,019	ZetaE=PgaLV/Pga 10%	0,093
Rapporto q*=Fe/Fy	6,11	Asta3D Nro	417
Tempo Intervento (anni)	1	TrCLV (anni)	10
----------		(TrCLV/TDLV)^a	0,173

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	31 -	Distrib.Forze Prop.Massa:+Fy-0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	90	Numero collassi totali	15
Numero passo Resist.Max.	86	Numero passi significativi	97
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	624,45
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	570,86
Rigidezza SDOF (t/m)	64374,62	Spostam. Snervam. SDOF mm	9
Periodo SDOF (sec)	0,48	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	10,540	Fattore di comportamento	6,583
Coeff Smorzam.Equival.(%)	31	Duttilita	6,583
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	42,400	Spostamento mm	7,620
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	21
PgaLV/g	0,044	ZetaE=PgaLV/Pga 10%	0,214
Rapporto q*=Fe/Fy	4,78	Asta3D Nro	49
Tempo Intervento (anni)	1	TrCLV (anni)	23
----------		(TrCLV/TDLV)^a	0,244

RISULTATI GENERALI PUSH-OVER			
PUSH-OVER N.ro	32 -	Distrib.Forze Prop.Massa:-Fy-0.3*Fx-Ecc5%	
Angolo Ingr. Sisma (Grd)	270	Numero collassi totali	15
Numero passo Resist.Max.	68	Numero passi significativi	68
Massa SDOF (t)	3743,67	Taglio alla base max. (t)	675,52
Coeff. Partecipazione	1,00	Resistenza SDOF (t)	601,81
Rigidezza SDOF (t/m)	61912,16	Spostam. Snervam. SDOF mm	10
Periodo SDOF (sec)	0,49	Rapporto di incrudimento	0,000
Rapporto Alfau/alfa1	3,850	Fattore di comportamento	1,679
Coeff Smorzam.Equival.(%)	17	Duttilita	1,679
S T A T O L I M I T E D I S A L V A G U A R D I A D E L L A V I T A			
D O M A N D A		C A P A C I T A'	
Spostamento mm	43,235	Spostamento mm	7,633
S.L. Salvaguardia Vita	NON VERIFICA	Numero passo precedente	15
PgaLV/g	0,044	ZetaE=PgaLV/Pga 10%	0,214
Rapporto q*=Fe/Fy	4,45	Asta3D Nro	222
Tempo Intervento (anni)	1	TrCLV (anni)	23
----------		(TrCLV/TDLV)^a	0,244