



# COMUNE DI PRATO

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SETTORE LL-Edilizia Pubblica	Dirigente Ing. Paolo Bartalini
SERVIZIO LA-Lavori Pubblici	Responsabile Ing. Paolo Bartalini
CODICE FISCALE	84006890481
OGGETTO	Realizzazione di nuova Scuola Materna di n. 6 sezioni
UBICAZIONE	Galciana, via Mannocci
FASE	PROGETTO ESECUTIVO
ELABORATO Sf	RELAZIONE DI CALCOLO EDIFICI F - CENTRALE TERMICA
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Settembre 2008

## RELAZIONE DI CALCOLO EDIFICIO F - SALA POLIVALENTE



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ARCHIVIO SEZIONI IN ACCIAIO

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TUBI A SEZIONE RETTANGOLARE					
Sez. N.ro	Descrizione	h mm	b mm	s mm	Mat. N.ro
1937	profilo anello	750	200	20	1

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ARCHIVIO SEZIONI IN ACCIAIO

PIATTI UNI				
Sez. N.ro	Descrizione	b mm	s mm	Mat. N.ro
1933	Leg18x68.7	180	687	101

PIATTI UNI				
Sez. N.ro	Descrizione	b mm	s mm	Mat. N.ro
1938	Leg16x24	160	240	101

### ARCHIVIO SEZIONI IN ACCIAIO

CARATTERISTICHE STATICHE DEI PROFILI														
Sez. N.ro	U m2/m	P daN/m	A cmq	Ax cmq	Ay cmq	Jx cm4	Jy cm4	Jt cm4	Wx cm3	Wy cm3	Wt cm3	ix cm	iy cm	sver l/cm
1933	1.73	43.3	1236.60	824.40	824.40	486364.1	33388.2	133552.8	14159.07	3709.80	1944.00	19.83	5.20	0.00
1937	1.80	283.0	360.57	70.40	226.98	222264.0	25724.2	76517.0	5927.04	2572.42	5241.26	24.83	8.45	0.00
1938	0.80	13.4	384.00	256.00	256.00	18432.0	8192.0	32768.0	1536.00	1024.00	1365.33	6.93	4.62	0.00

### ARCHIVIO SEZIONI IN ACCIAIO

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
1933	Leg18x68.7	21238.61	5564.70	42477.21	1236.60	1236.60	0.0
1937	profilo anello	7833.77	2923.20	5241.26	75.91	284.66	0.0
1938	Leg16x24	2304.00	1536.00	4608.00	384.00	384.00	0.0

### ARCHIVIO SEZIONI IN ACCIAIO

CARATTERISTICHE MATERIALE							
Mat. N.ro	E daN/cm <sup>2</sup>	G daN/cm <sup>2</sup>	lambda max	Tipo Acciaio	Verifica verifica	Gamma daN/cm <sup>2</sup>	Lung/ SpLim
1	2100000	850000	200.0	S235	Completa	7850	250
2	2100000	850000	200.0	S235	Completa	7850	250
3	2100000	850000	200.0	S235	Completa	7850	250
4	2100000	850000	200.0	S235	Completa	7850	250
5	2100000	850000	200.0	S235	Completa	7850	250
6	125000	10000	200.0	S235	Completa	800	250
7	120000	5000	200.0	S235	Completa	500	250

### ARCHIVIO SEZIONI IN ACCIAIO

CARATTERISTICHE DEL MATERIALE LEGNO LUNGO LA DIREZIONE DELL'ASTA													
Mat. N.ro	Classi ficaz. Legno	RESISTENZE				MODULI ELASTICI				Gamma kg/mc	Classe di Serviz	Coeff. x SLE	Rapp. Lung/ SpLim.
		Fless fmk N/mm <sup>2</sup>	Traz. ft0k N/mm <sup>2</sup>	Compr fc0k N/mm <sup>2</sup>	Tagl. fvk N/mm <sup>2</sup>	Medio E0 kN/mm <sup>2</sup>	Caratt E0,05 kN/mm <sup>2</sup>	Taglio G kN/mm <sup>2</sup>					
1		24.0	14.0	21.0	2.2	11.6	9.4	0.59	350	1	0.60	300	

### ARCHIVIO MATERIALI PIASTRE

Materiale N.ro	Densita' daN/mc	Ex*1E3 daN/cm <sup>2</sup>	Ni.x	Alfa.x (*1E5)	Ey*1E3 daN/cm <sup>2</sup>	Ni.y	Alfa.y (*1E5)	E11*1E3 daN/cm <sup>2</sup>	E12*1E3 daN/cm <sup>2</sup>	E13*1E3 daN/cm <sup>2</sup>	E22*1E3 daN/cm <sup>2</sup>	E23*1E3 daN/cm <sup>2</sup>	E33*1E3 daN/cm <sup>2</sup>
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1	2500	285	0.20	0.00	285	0.20	0.00	296	59	0	296	0	119
2	1900	30	0.25	1.00	30	0.25	1.00	32	8	0	32	0	12
3	1900	25	0.25	1.00	25	0.25	1.00	32	7	0	32	0	10
4	1700	30	0.25	1.00	30	0.25	1.00	32	8	0	32	0	12
5	1700	30	0.25	1.00	30	0.25	1.00	32	8	0	32	0	12
6	1900	5	0.25	1.00	5	0.25	1.00	5	1	0	5	0	2
7	1900	20	0.25	1.00	20	0.25	1.00	21	5	0	21	0	8
8	1900	15	0.25	1.00	15	0.25	1.00	16	4	0	16	0	6
9	1900	5	0.25	1.00	5	0.25	1.00	5	1	0	5	0	2
10	1900	20	0.25	1.00	20	0.25	1.00	21	5	0	21	0	8
11	1900	15	0.25	1.00	15	0.25	1.00	16	4	0	16	0	6
12	1800	25	0.25	1.00	25	0.25	1.00	27	7	0	27	0	10
13	1900	50	0.25	1.00	50	0.25	1.00	53	13	0	53	0	20
14	1800	50	0.25	1.00	50	0.25	1.00	53	13	0	53	0	20
15	1900	50	0.25	1.00	50	0.25	1.00	53	13	0	53	0	20
16	1900	30	0.25	1.00	30	0.25	1.00	32	8	0	32	0	12
17	1900	30	0.25	1.00	30	0.25	1.00	32	8	0	32	0	12

**CRITERI DI PROGETTO**

IDEN	ASTE ELEVAZIONE													
Crit N.ro	Def Tag	%Scorr Staffe	P max. Staffe	P min. Staffe	τMtmin dN/cmq	Ferri parete	Elim cm	Tipo verif.	Fl. rett	DenX pos.	DenX neg.	DenY pos.	DenY neg.	%Mag car.
1	si	100	20	5	3	no	200	Mx	1	12	0	0	0	0

IDEN	ASTE FONDAZIONE						
Crit N.ro	Min T/σ	Verif. Alette	%Scorr Staffe	P max. Staffe	P min. Staffe	τMtmin dN/cmq	Ferri parete
2	si	no	100	20	10	3	no

IDEN	PILASTRI			
Crit N.ro	Def Tag	τMtmin dN/cmq	Tipo verif.	
3	si	3.0	Dev.	

IDEN	PILASTRI			
Crit N.ro	Def Tag	τMtmin dN/cmq	Tipo verif.	

IDENTIF.	%	CARATTERISTICHE DEL MATERIALE										DURABILITA'				CARATTER. COSTRUTTIVE						FLAG
Crit N.ro	Elem.	Rig Tor	Rck dN/cmq	Classe Acciaio	Mod. E dN/cmq	Pois son	Sgmc	tauc0 daN/cmq	tauc1 daN/cmq	Sgmf om	Gamma dN/mc	Tipo Ambiente	Tipo Armatura	Toll. Copr.	Copr. staf	Copr. ferr	Fi min	Fi st.	Lun sta	Li n.	Ap pe	
1	ELEV.	10	300	FeB44k	312201	0.20					2500	Ordinario	SENSIBILE	0.00	2.0	3.6	16	8	80	1	0	
2	FOND.	10	250	B450C	299619	0.20					2500	Ordinario	POCO SENS.	0.50	2.0	3.6	16	8	80	1		
3	PILAS	10	300	B450C	314758	0.20					2500	Ordinario	POCO SENS.	0.50	2.0	3.6	16	8	70	1		
101	ACCIAIO																				1	

CRITERI PER IL CALCOLO AGLI STATI LIMITE ULTIMI E DI ESERCIZIO																							
Cri Nro	Tipo Elem	fck	fcd	rcd	fyk	fyd	Ey	ec0	ecu	eyu	At/ Ac	Mt/ Mtu	Wra mm	Wfr mm	Wpe mm	ocRar	ocPer daN/cmq	ofRar	Spo Rar	Spo Fre	Spo Per	Coe Vis	euk
1	ELEV.	250.0	132.0	132.0	4400	3826	2100000	0.20	0.35	1.00	50	10	0.3	0.2	150.0	112.0	2660					2.0	0.04
2	FOND.	200.0	106.0	106.0	4500	3913	2100000	0.20	0.35	1.00	50	10	0.4	0.3	120.0	90.0	3600					2.0	0.08
3	PILAS	250.0	132.0	132.0	4500	3913	2100000	0.20	0.35	1.00	50	10	0.4	0.3	150.0	112.0	3600					2.0	0.08

IDEN	CARATTERISTICHE MATERIALE									COPRIFERRO	
Mat. N.ro	Rck dN/cmq	Classe Acciaio	Mod. E dN/cmq	Pois-son	Sgmc daN	Sgmf /cmq	Coe Om.	Gamma dN/mc	Setti (cm)	Piastre (cm)	
1	250	FeB44k	285000	0.20	85.0	2600	15	2500	1.0	1.0	

CRITERI PER IL CALCOLO AGLI STATI LIMITE ULTIMI E DI ESERCIZIO																							
Cri N.ro	Tipo Elem	fck	fcd	rcd	fyk	fyd	Ey	ec0	ecu	eyu	At/Ac	Mt/Mtu	Wra/mm	Wfr/mm	Wpe/mm	ocRar	ocPer	ofRar	Spo Rar	Spo Fre	Spo Per	Coe Vis	euk
1	SETTI	200.0	106.0	106.0	4400	3826	2100000	0.20	0.35	1.00	50			0.3	0.2	120.0	90.0	2600					

### CRITERI DI PROGETTO GEOTECNICI - FONDAZIONI SUPERFICIALI

IDEN	COSTANTE WINKLER	
Crit N.ro	KwVert daN/cm	KwOriz. daN/cm
1	15.00	0.00

IDEN	COSTANTE WINKLER	
Crit N.ro	KwVert daN/cm	KwOriz. daN/cm
2	5.00	0.00

IDEN	COSTANTE WINKLER	
Crit N.ro	KwVert daN/cm	KwOriz. daN/cm

### DATI GENERALI DI STRUTTURA

PARAMETRI SISMICI			
Vita Nominale (Anni)	50	Classe d' Uso	TERZA
Longitudine Est (Grd)	11.05396	Latitudine Nord (Grd)	43.88499
Categoria Suolo	B	Coeff. Condiz. Topogr.	1.00000
Sistema Costruttivo Dir.1	C.A.	Sistema Costruttivo Dir.2	C.A.
Regolarita' in Altezza	NO(KR=.8)	Regolarita' in Pianta	NO
Direzione Sisma (Grd)	0	Sisma Verticale	ASSENTE
PARAMETRI SPETTRO ELASTICO - SISMA S.L.O.			
Probabilita' Pvr	0.81	Periodo di Ritorno Anni	45.00
Accelerazione Ag/g	0.06	Periodo T'c (sec.)	0.26
Fo	2.54	Fv	0.82
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.13
Periodo TC (sec.)	0.38	Periodo TD (sec.)	1.83
PARAMETRI SPETTRO ELASTICO - SISMA S.L.D.			
Probabilita' Pvr	0.63	Periodo di Ritorno Anni	75.00
Accelerazione Ag/g	0.07	Periodo T'c (sec.)	0.27
Fo	2.54	Fv	0.91
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.13
Periodo TC (sec.)	0.39	Periodo TD (sec.)	1.88
PARAMETRI SPETTRO ELASTICO - SISMA S.L.V.			
Probabilita' Pvr	0.10	Periodo di Ritorno Anni	712.00
Accelerazione Ag/g	0.16	Periodo T'c (sec.)	0.31
Fo	2.40	Fv	1.31
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.14
Periodo TC (sec.)	0.43	Periodo TD (sec.)	2.25
PARAMETRI SPETTRO ELASTICO - SISMA S.L.C.			
Probabilita' Pvr	0.05	Periodo di Ritorno Anni	1462.00
Accelerazione Ag/g	0.20	Periodo T'c (sec.)	0.31
Fo	2.39	Fv	1.46
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.15
Periodo TC (sec.)	0.44	Periodo TD (sec.)	2.42
PARAMETRI SISTEMA COSTRUTTIVO C.A.			
Classe Duttilita'	BASSA	Sotto-Sistema Strutturale Pendolo	
AlfaU/AlfaI	1.10	Fattore riduttivo KW	1.00
Fattore di struttura 'q'	1.20		
PARAMETRI SISTEMA COSTRUTTIVO C.A.			

Classe Duttilita' BASSA	Sotto-Sistema Strutturale Pendolo
AlfaU/AlfaI 1.10	Fattore riduttivo KW 1.00
Fattore di struttura 'q' 1.20	
COEFFICIENTI DI SICUREZZA PARZIALI DEI MATERIALI	
Acciaio per CLS armato 1.15	Calcestruzzo CLS armato 1.60
Muratura azioni sismiche 3.00	Muratura azioni statiche 2.00
Livello conoscenza ADEGUATO	

#### DATI GENERALI DI STRUTTURA

D A T I D I C A L C O L O A G L I S T A T I L I M I T E			
T R A V I D I E L E V A Z I O N E			
Res. caratt. cls fck daN/cm <sup>2</sup>	250.0	Rap. Mom.T / Mom.T.Ult. (%)	10
Res. calcolo cls fcd daN/cm <sup>2</sup>	132.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cm <sup>2</sup>	132.0	Ampiezza fess. comb freq mm	0.3
Res. caratt. fer fyk daN/cm <sup>2</sup>	4400	Ampiezza fess. comb perm mm	0.2
Res. calcolo fer fyd daN/cm <sup>2</sup>	3826	Sigma mass. cls rara daN/cm <sup>2</sup>	150.0
Mod. elastico ferro daN/cm <sup>2</sup>	2100000	Sigma mass. cls perm daN/cm <sup>2</sup>	112.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cm <sup>2</sup>	2660
Deformazione ultima cls ecu	0.35	lung.elem. / spos.lim rara	
Deformazione ultima fer eyu	1.00	lung.elem. / spos.lim perm.	
Rap. incr. arm. tes/comp (%)	50	Coefficiente di viscosita'	2.0
T R A V I D I F O N D A Z I O N E			
Res. caratt. cls fck daN/cm <sup>2</sup>	200.0	Rap. Mom.T / Mom.T.Ult. (%)	10
Res. calcolo cls fcd daN/cm <sup>2</sup>	106.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cm <sup>2</sup>	106.0	Ampiezza fess. comb freq mm	0.4
Res. caratt. fer fyk daN/cm <sup>2</sup>	4500	Ampiezza fess. comb perm mm	0.3
Res. calcolo fer fyd daN/cm <sup>2</sup>	3913	Sigma mass. cls rara daN/cm <sup>2</sup>	120.0
Mod. elastico ferro daN/cm <sup>2</sup>	2100000	Sigma mass. cls perm daN/cm <sup>2</sup>	90.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cm <sup>2</sup>	3600
Deformazione ultima cls ecu	0.35	lung.elem. / spos.lim rara	
Deformazione ultima fer eyu	1.00	lung.elem. / spos.lim perm.	
Rap. incr. arm. tes/comp (%)	50	Coefficiente di viscosita'	2.0

D A T I D I C A L C O L O A G L I S T A T I L I M I T E			
P I L A S T R I			
Res. caratt. cls fck daN/cm <sup>2</sup>	250.0	Rap. Mom.T / Mom.T.Ult. (%)	10
Res. calcolo cls fcd daN/cm <sup>2</sup>	132.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cm <sup>2</sup>	132.0	Ampiezza fess. comb freq mm	0.4
Res. caratt. fer fyk daN/cm <sup>2</sup>	4500	Ampiezza fess. comb perm mm	0.3
Res. calcolo fer fyd daN/cm <sup>2</sup>	3913	Sigma mass. cls rara daN/cm <sup>2</sup>	150.0
Mod. elastico ferro daN/cm <sup>2</sup>	2100000	Sigma mass. cls perm daN/cm <sup>2</sup>	112.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cm <sup>2</sup>	3600
Deformazione ultima cls ecu	0.35	lung.elem. / spos.lim rara	
Deformazione ultima fer eyu	1.00	lung.elem. / spos.lim perm.	
Rap. incr. arm. tes/comp (%)	50	Coefficiente di viscosita'	2.0
S E T T I			
Res. caratt. cls fck daN/cm <sup>2</sup>	200.0	Ampiezza fess. comb rara mm	
Res. calcolo cls fcd daN/cm <sup>2</sup>	106.0	Ampiezza fess. comb freq mm	0.3
Res. fless. cls rcd daN/cm <sup>2</sup>	106.0	Ampiezza fess. comb perm mm	0.2
Res. caratt. fer fyk daN/cm <sup>2</sup>	4400	Sigma mass. cls rara daN/cm <sup>2</sup>	120.0
Res. calcolo fer fyd daN/cm <sup>2</sup>	3826	Sigma mass. cls perm daN/cm <sup>2</sup>	90.0
Mod. elastico ferro daN/cm <sup>2</sup>	2100000	Sigma mass. fer rara daN/cm <sup>2</sup>	3520
Deform. lim. elast. cls ec0	0.20		
Deformazione ultima cls ecu	0.35		

Deformazione ultima fer eyu	1.00
Rap. incr. arm. tes/comp (%)	50

**COORDINATE DEI NODI**

IDENT.	POSIZIONE NODO			ATTRIBUTI		
Nodo3d N.ro	Coord.X (m)	Coord.Y (m)	Coord.Z (m)	Filo N.ro	Piano Sism.	Peso (t)
1	0.00	-7.16	0.00	2	0	0.00
2	0.00	-5.48	0.00	20	0	0.00
3	0.00	-1.51	0.00	36	0	0.00
4	0.00	0.00	0.00	1	0	0.00
5	0.00	1.49	0.00	44	0	0.00
6	0.00	5.46	0.00	28	0	0.00
7	0.00	7.14	0.00	10	0	0.00
8	-7.16	0.00	0.00	14	0	0.00
9	-5.47	0.00	0.00	32	0	0.00
10	-1.51	0.00	0.00	48	0	0.00
11	1.49	0.00	0.00	40	0	0.00
12	5.46	0.00	0.00	24	0	0.00
13	7.15	0.00	0.00	6	0	0.00
14	-5.06	5.06	0.00	12	0	0.00
15	-3.87	3.87	0.00	30	0	0.00
16	5.05	5.05	0.00	8	0	0.00
17	3.86	3.86	0.00	26	0	0.00
18	5.05	-5.06	0.00	4	0	0.00
19	3.87	-3.87	0.00	22	0	0.00
20	-5.06	-5.06	0.00	16	0	0.00
21	-3.87	-3.87	0.00	34	0	0.00
22	-1.07	-1.07	0.00	50	0	0.00
23	1.06	-1.06	0.00	38	0	0.00
24	1.05	1.05	0.00	42	0	0.00
25	-1.06	1.06	0.00	46	0	0.00
26	2.73	6.60	0.00	9	0	0.00
27	5.93	9.60	0.00	19	0	0.00
28	7.77	7.77	0.00	18	0	0.00
29	2.74	-6.61	0.00	3	0	0.00
30	6.61	-2.74	0.00	5	0	0.00
31	6.60	2.73	0.00	7	0	0.00
32	-2.74	6.60	0.00	11	0	0.00
33	-6.61	2.74	0.00	13	0	0.00
34	-6.61	-2.74	0.00	15	0	0.00
35	-2.74	-6.62	0.00	17	0	0.00
36	2.09	-5.06	0.00	21	0	0.00
37	-0.58	-1.39	0.00	51	0	0.00
38	0.58	-1.39	0.00	37	0	0.00
39	1.38	-0.57	0.00	39	0	0.00
40	1.38	0.57	0.00	41	0	0.00
41	0.57	1.38	0.00	43	0	0.00
42	-0.57	1.38	0.00	45	0	0.00
43	-1.39	0.57	0.00	47	0	0.00
44	-1.39	-0.58	0.00	49	0	0.00
45	5.05	-2.09	0.00	23	0	0.00
46	5.05	2.09	0.00	25	0	0.00
47	2.09	5.04	0.00	27	0	0.00
48	-2.09	5.05	0.00	29	0	0.00
49	-5.05	2.09	0.00	31	0	0.00
50	-5.06	-2.10	0.00	33	0	0.00
51	-2.10	-5.06	0.00	35	0	0.00
52	0.00	-7.16	4.25	2	0	2.19
53	2.74	-6.61	4.25	3	0	1.76
54	5.05	-5.06	4.25	4	0	1.78
55	6.61	-2.74	4.25	5	0	1.78
56	7.15	0.00	4.25	6	0	1.78
57	6.60	2.73	4.25	7	0	1.78
58	5.05	5.05	4.25	8	0	2.44
59	2.73	6.60	4.25	9	0	2.94

60	0.00	7.14	4.25	10	0	2.17
61	-2.74	6.60	4.25	11	0	2.17
62	-5.06	5.06	4.25	12	0	2.17
63	-6.61	2.74	4.25	13	0	2.17
64	-7.16	0.00	4.25	14	0	2.17
65	-6.61	-2.74	4.25	15	0	2.17
66	-5.06	-5.06	4.25	16	0	2.17
67	-2.74	-6.62	4.25	17	0	2.17
68	7.77	7.77	4.25	18	0	1.60
69	5.93	9.60	4.25	19	0	1.68
70	0.58	-1.39	5.50	37	0	0.68
71	0.00	-1.51	5.50	36	0	0.68
72	1.06	-1.06	5.50	38	0	0.68
73	1.38	-0.57	5.50	39	0	0.68
74	1.49	0.00	5.50	40	0	0.68
75	1.38	0.57	5.50	41	0	0.68
76	1.05	1.05	5.50	42	0	0.67
77	0.57	1.38	5.50	43	0	0.68
78	0.00	1.49	5.50	44	0	0.68
79	-0.57	1.38	5.50	45	0	0.68
80	-1.06	1.06	5.50	46	0	0.68
81	-1.39	0.57	5.50	47	0	0.68
82	-1.51	0.00	5.50	48	0	0.68
83	-1.39	-0.58	5.50	49	0	0.68
84	-1.07	-1.07	5.50	50	0	0.68
85	-0.58	-1.39	5.50	51	0	0.68
86	0.58	-1.39	6.50	37	0	0.11
87	1.38	-0.57	6.50	39	0	0.11
88	1.38	0.57	6.50	41	0	0.11
89	0.57	1.38	6.50	43	0	0.11
90	-0.57	1.38	6.50	45	0	0.11
91	-1.39	0.57	6.50	47	0	0.11
92	-1.39	-0.58	6.50	49	0	0.11
93	-0.58	-1.39	6.50	51	0	0.11
94	0.00	0.00	6.80	1	0	0.35
95	0.00	1.49	6.50	44	0	0.01
96	-1.06	1.06	6.50	46	0	0.01
97	-1.51	0.00	6.50	48	0	0.01
98	-1.07	-1.07	6.50	50	0	0.01
99	0.00	-1.51	6.50	36	0	0.01
100	1.06	-1.06	6.50	38	0	0.01
101	1.49	0.00	6.50	40	0	0.01
102	1.05	1.05	6.50	42	0	0.01
103	-0.88	2.12	6.35	61	0	0.05
104	0.88	2.12	6.35	59	0	0.05
105	2.12	0.88	6.35	57	0	0.05
106	2.12	-0.88	6.35	55	0	0.05
107	0.88	-2.13	6.35	53	0	0.05
108	-0.88	-2.13	6.35	67	0	0.05
109	-2.13	-0.88	6.35	65	0	0.05
110	-2.13	0.88	6.35	63	0	0.05

### DATI ASTE SPAZIALI

IDENTIFICAZIONE							GEOMETRIA				SCOST. INIZIALI			SCOST. FINALI				
Asta3d N.ro	Filo in.	Filo fin.	Q.iniz (m)	Q.fin. (m)	Nod3d iniz.	Nod3d fin.	Cr. Pr.	Sez. N.ro	Sigla Sezione	Magr. (cm)	Rot. Grd	dx (cm)	dy (cm)	dz (cm)	dx (cm)	dy (cm)	dz (cm)	Crit Geot
1	2	20	0.00	0.00	1	2	2	11	T 60 x 74	100	0	0	15	-40	0	0	-40	
2	36	1	0.00	0.00	3	4	2	11	T 60 x 74	100	0	0	0	-40	0	0	-40	
3	44	28	0.00	0.00	5	6	2	11	T 60 x 74	100	0	0	0	-40	0	0	-40	
4	28	10	0.00	0.00	6	7	2	11	T 60 x 74	100	0	0	0	-40	0	-15	-40	
5	14	32	0.00	0.00	8	9	2	11	T 60 x 74	100	0	15	0	-40	0	0	-40	
6	32	48	0.00	0.00	9	10	2	11	T 60 x 74	100	0	0	0	-40	0	0	-40	
7	1	40	0.00	0.00	10	11	2	11	T 60 x 74	100	0	0	0	-40	0	0	-40	
8	24	6	0.00	0.00	12	13	2	11	T 60 x 74	100	0	0	0	-40	-15	0	-40	
9	12	30	0.00	0.00	15	16	2	11	T 60 x 74	100	0	11	-11	-40	0	0	-40	
10	8	26	0.00	0.00	16	17	2	11	T 60 x 74	100	0	-11	-11	-40	0	0	-40	
11	4	22	0.00	0.00	18	19	2	11	T 60 x 74	100	0	-11	11	-40	0	0	-40	
12	16	34	0.00	0.00	20	21	2	11	T 60 x 74	100	0	11	11	-40	0	0	-40	
13	34	50	0.00	0.00	21	22	2	11	T 60 x 74	100	0	0	0	-40	0	0	-40	
14	22	38	0.00	0.00	19	23	2	11	T 60 x 74	100	0	0	0	-40	0	0	-40	
15	26	42	0.00	0.00	17	24	2	11	T 60 x 74	100	0	0	0	-40	0	0	-40	
16	30	46	0.00	0.00	15	25	2	11	T 60 x 74	100	0	0	0	-40	0	0	-40	
17	9	19	0.00	0.00	26	27	2	11	T 60 x 74	100	0	18	16	-40	-36	-34	-40	
18	8	18	0.00	0.00	16	28	2	11	T 60 x 74	100	0	11	11	-40	-35	-35	-40	
19	48	1	0.00	0.00	10	4	2	11	T 60 x 74	100	0	0	0	-40	0	0	-40	
20	40	24	0.00	0.00	11	12	2	11	T 60 x 74	100	0	0	0	-40	0	0	-40	



21	20	36	0.	0.	2	3	2	11	T	60	x	74	100	0	0	0	0	0	-40	0	-40
22	21	44	0.	0.	4	5	2	11	T	60	x	74	100	0	0	0	0	0	-40	0	-40
23	22	3	0.	0.	1	2	3	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
24	23	4	0.	0.	2	3	3	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
25	24	5	0.	0.	3	4	4	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
26	25	6	0.	0.	4	5	5	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
27	26	7	0.	0.	5	6	6	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
28	27	8	0.	0.	6	7	7	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
29	28	9	0.	0.	7	8	8	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
30	29	10	0.	0.	8	9	9	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
31	30	11	0.	0.	9	10	10	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
32	31	12	0.	0.	10	11	11	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
33	32	13	0.	0.	11	12	12	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
34	33	14	0.	0.	12	13	13	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
35	34	15	0.	0.	13	14	14	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
36	35	16	0.	0.	14	15	15	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
37	36	17	0.	0.	15	16	16	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
38	37	18	0.	0.	16	17	17	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
39	38	19	0.	0.	17	18	18	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
40	39	20	0.	0.	18	19	19	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
41	40	21	0.	0.	19	20	20	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
42	41	22	0.	0.	20	21	21	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
43	42	23	0.	0.	21	22	22	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
44	43	24	0.	0.	22	23	23	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
45	44	25	0.	0.	23	24	24	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
46	45	26	0.	0.	24	25	25	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
47	46	27	0.	0.	25	26	26	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
48	47	28	0.	0.	26	27	27	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
49	48	29	0.	0.	27	28	28	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
50	49	30	0.	0.	28	29	29	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
51	50	31	0.	0.	29	30	30	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
52	51	32	0.	0.	30	31	31	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
53	52	33	0.	0.	31	32	32	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
54	53	34	0.	0.	32	33	33	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
55	54	35	0.	0.	33	34	34	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
56	55	36	0.	0.	34	35	35	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
57	56	37	0.	0.	35	36	36	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
58	57	38	0.	0.	36	37	37	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
59	58	39	0.	0.	37	38	38	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
60	59	40	0.	0.	38	39	39	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
61	60	41	0.	0.	39	40	40	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
62	61	42	0.	0.	40	41	41	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
63	62	43	0.	0.	41	42	42	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
64	63	44	0.	0.	42	43	43	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
65	64	45	0.	0.	43	44	44	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
66	65	46	0.	0.	44	45	45	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
67	66	47	0.	0.	45	46	46	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
68	67	48	0.	0.	46	47	47	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
69	68	49	0.	0.	47	48	48	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
70	69	50	0.	0.	48	49	49	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
71	70	51	0.	0.	49	50	50	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
72	71	52	0.	0.	50	51	51	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
73	72	53	0.	0.	51	52	52	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
74	73	54	0.	0.	52	53	53	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
75	74	55	0.	0.	53	54	54	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
76	75	56	0.	0.	54	55	55	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
77	76	57	0.	0.	55	56	56	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
78	77	58	0.	0.	56	57	57	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
79	78	59	0.	0.	57	58	58	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
80	79	60	0.	0.	58	59	59	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
81	80	61	0.	0.	59	60	60	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
82	81	62	0.	0.	60	61	61	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
83	82	63	0.	0.	61	62	62	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
84	83	64	0.	0.	62	63	63	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
85	84	65	0.	0.	63	64	64	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
86	85	66	0.	0.	64	65	65	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
87	86	67	0.	0.	65	66	66	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
88	87	68	0.	0.	66	67	67	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
89	88	69	0.	0.	67	68	68	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
90	89	70	0.	0.	68	69	69	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
91	90	71	0.	0.	69	70	70	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
92	91	72	0.	0.	70	71	71	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
93	92	73	0.	0.	71	72	72	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
94	93	74	0.	0.	72	73	73	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
95	94	75	0.	0.	73	74	74	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
96	95	76	0.	0.	74	75	75	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
97	96	77	0.	0.	75	76	76	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
98	97	78	0.	0.	76	77	77	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
99	98	79	0.	0.	77	78	78	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
100	99	80	0.	0.	78	79	79	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
101	100	81	0.	0.	79	80	80	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
102	101	82	0.	0.	80	81	81	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
103	102	83	0.	0.	81	82	82	11	Rett.	40	x	74	80	0	0	0	0	0	-37	-1	-37
104																					

134	38	39	5	50	5	50	72	73	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
135	39	40	5	50	5	50	73	74	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
136	40	41	5	50	5	50	74	75	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
137	41	42	5	50	5	50	75	76	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
138	42	43	5	50	5	50	76	77	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
139	43	44	5	50	5	50	77	78	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
140	44	45	5	50	5	50	78	79	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
141	45	46	5	50	5	50	79	80	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
142	46	47	5	50	5	50	80	81	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
143	47	48	5	50	5	50	81	82	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
144	48	49	5	50	5	50	82	83	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
145	49	50	5	50	5	50	83	84	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
146	50	51	5	50	5	50	84	85	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
147	51	52	5	50	5	50	85	86	101	1937	profilo	anello	0	0	0	0	-40	0	0	-40
148	37	37	6	50	6	50	86	70	101	1938	Leg16x24		0	-68	0	0	0	0	0	0
149	39	39	6	50	6	50	87	73	101	1938	Leg16x24		0	-22	0	0	0	0	0	0
150	41	41	6	50	6	50	88	75	101	1938	Leg16x24		0	22	0	0	0	0	0	0
151	43	43	6	50	6	50	89	77	101	1938	Leg16x24		0	68	0	0	0	0	0	0
152	45	45	6	50	6	50	90	79	101	1938	Leg16x24		0	-65	0	0	0	0	0	0
153	47	47	6	50	6	50	91	81	101	1938	Leg16x24		0	-22	0	0	0	0	0	0
154	49	49	6	50	6	50	92	83	101	1938	Leg16x24		0	22	0	0	0	0	0	0
155	51	51	6	50	6	50	93	85	101	1938	Leg16x24		0	68	0	0	0	0	0	0
156	1	43	6	80	6	80	94	87	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
157	1	41	6	80	6	80	94	88	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
158	1	39	6	80	6	80	94	87	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
159	1	37	6	80	6	80	94	86	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
160	1	49	6	80	6	80	94	93	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
161	1	47	6	80	6	80	94	92	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
162	1	45	6	80	6	80	94	91	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
163	1	44	6	80	6	80	94	90	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
164	43	44	6	50	6	50	89	95	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
165	44	45	6	50	6	50	95	90	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
166	45	46	6	50	6	50	90	96	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
167	46	47	6	50	6	50	96	91	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
168	47	48	6	50	6	50	91	97	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
169	48	49	6	50	6	50	97	92	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
170	49	50	6	50	6	50	92	98	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
171	50	51	6	50	6	50	98	93	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
172	51	36	6	50	6	50	93	99	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
173	36	37	6	50	6	50	86	99	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
174	37	38	6	50	6	50	86	100	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
175	38	39	6	50	6	50	100	87	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
176	39	40	6	50	6	50	87	101	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
177	40	41	6	50	6	50	101	88	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
178	41	42	6	50	6	50	88	102	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
179	42	43	6	50	6	50	102	89	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
180	45	61	6	50	6	35	90	103	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
181	43	59	6	50	6	35	89	104	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
182	41	57	6	50	6	35	88	105	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
183	39	55	6	50	6	35	87	106	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
184	37	53	6	50	6	35	86	107	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
185	51	67	6	50	6	35	93	108	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
186	49	65	6	50	6	35	92	109	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12
187	47	63	6	50	6	35	91	110	101	1938	Leg16x24		0	0	0	0	-12	0	0	-12

### VINCOLI E CEDIMENTI NODALI

IDENTIFIC.		RIGIDENZE TRASLANTI			RIGIDENZE ROTAZIONALI			SCOSTAMENTI					VERSO SPOSTAMENTI UNILATERI						
Nodo3d N.ro	Cod ice	Tx t/m	Ty t/m	Tz t/m	Rx t*m	Ry t*m	Rz t*m	Tr.X cm	Tr.Y cm	Tr.Z cm	Azim Grd	CoZe Grd	Ass. Grd	Tr.X	Tr.Y	Tr.Z	RotX	RotY	RotZ
1	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
2	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
3	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
4	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
5	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
6	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
7	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
8	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
9	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
10	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
11	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
12	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
13	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
14	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
15	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
16	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
17	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
18	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
19	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
20	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
21	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
22	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
23	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
24	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
25	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
26	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
27	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
28	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
29	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
30	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
31	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
32	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
33	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
34	W	-1	-1	0	0	0	-1	0	0	0	0	0	0						
35	W	-1	-1	0	0	0	-1												

49	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
50	W	-1	-1	0	0	0	-1	0	0	0	0	0	0
51	W	-1	-1	0	0	0	-1	0	0	0	0	0	0

### VINCOLI INTERNI ASTE

Asta3d N.ro	VINCOLO NODO INIZIALE							VINCOLO NODO FINALE							COEFFICIENTI BETA	
	Cod ice	RIGIDEZZE TRASLANTI			RIGIDEZZE ROTAZIONALI			Cod ice	RIGIDEZZE TRASLANTI			RIGIDEZZE ROTAZIONALI				
		Tx t/m	Ty t/m	Tz t/m	Rx t/m	Ry t/m	Rz t/m		Tx t/m	Ty t/m	Tz t/m	Rx t/m	Ry t/m	Rz t/m	Beta X	Beta Y
116	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	I	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
117	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	I	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
118	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	I	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
119	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
120	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
121	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
122	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
123	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
124	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
125	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
126	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
127	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
128	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
129	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
130	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
131	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.70	0.70
148	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
149	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
150	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
151	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
152	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
153	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
154	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
155	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
156	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
158	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
159	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70
161	F	-1.0	-1.0	-1.0	0.0	0.0	-1.0	F	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.70	0.70

### CARICHI DISTRIBUITI ASTE

CONDIZIONE DI CARICO N.ro: 1					ALiquota SISMICA: 100				
IDENT.		NODO INIZIALE			NODO FINALE				
Asta3d N.ro	Riferi mento	Qx t/ml	Qy t/ml	Qz t/ml	Qx t/ml	Qy t/ml	Qz t/ml	Mt t*m/ml	Pretens t
1	0	0.00	0.00	-0.55	0.00	0.00	-0.55	0.00	0.0
3	0	0.00	0.00	-0.56	0.00	0.00	-0.56	0.00	0.0
4	0	0.00	0.00	-0.54	0.00	0.00	-0.54	0.00	0.0
5	0	0.00	0.00	-0.55	0.00	0.00	-0.55	0.00	0.0
6	0	0.00	0.00	-0.56	0.00	0.00	-0.56	0.00	0.0
8	0	0.00	0.00	-0.54	0.00	0.00	-0.54	0.00	0.0
9	0	0.00	0.00	-0.54	0.00	0.00	-0.54	0.00	0.0
10	0	0.00	0.00	-0.54	0.00	0.00	-0.54	0.00	0.0
11	0	0.00	0.00	-0.54	0.00	0.00	-0.54	0.00	0.0
12	0	0.00	0.00	-0.55	0.00	0.00	-0.55	0.00	0.0
13	0	0.00	0.00	-0.56	0.00	0.00	-0.56	0.00	0.0
14	0	0.00	0.00	-0.56	0.00	0.00	-0.56	0.00	0.0
15	0	0.00	0.00	-0.56	0.00	0.00	-0.56	0.00	0.0
16	0	0.00	0.00	-0.56	0.00	0.00	-0.56	0.00	0.0
17	0	0.00	0.00	-0.28	0.00	0.00	-0.28	0.00	0.0
18	0	0.00	0.00	-0.34	0.00	0.00	-0.34	0.00	0.0
20	0	0.00	0.00	-0.56	0.00	0.00	-0.56	0.00	0.0
21	0	0.00	0.00	-0.56	0.00	0.00	-0.56	0.00	0.0
72	0	0.00	0.00	-0.54	0.00	0.00	-0.54	0.00	0.0
73	0	0.00	0.00	-0.54	0.00	0.00	-0.54	0.00	0.0
74	0	0.00	0.00	-0.54	0.00	0.00	-0.54	0.00	0.0
75	0	0.00	0.00	-0.54	0.00	0.00	-0.54	0.00	0.0
76	0	0.00	0.00	-0.54	0.00	0.00	-0.54	0.00	0.0
77	0	0.00	0.00	-0.55	0.00	0.00	-0.55	0.00	0.0
78	0	0.00	0.00	-0.55	0.00	0.00	-0.55	0.00	0.0
79	0	0.00	0.00	-0.55	0.00	0.00	-0.55	0.00	0.0
98	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
99	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
100	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
101	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
102	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
103	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0

104	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
105	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
106	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
108	0	0.00	0.00	-0.09	0.00	0.00	-0.09	0.00	0.0
109	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
110	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
111	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
112	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
113	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
114	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
115	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
116	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
117	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
118	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
119	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
120	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
121	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
122	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
123	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
124	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
125	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
126	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
127	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
128	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
129	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
130	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
131	0	0.00	0.00	-0.10	0.00	0.00	-0.10	0.00	0.0
156	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
157	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
158	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
159	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
160	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
161	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
162	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
163	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
180	0	0.00	0.00	-0.08	0.00	0.00	-0.08	0.00	0.0
181	0	0.00	0.00	-0.08	0.00	0.00	-0.08	0.00	0.0
182	0	0.00	0.00	-0.08	0.00	0.00	-0.08	0.00	0.0
183	0	0.00	0.00	-0.08	0.00	0.00	-0.08	0.00	0.0
184	0	0.00	0.00	-0.08	0.00	0.00	-0.08	0.00	0.0
185	0	0.00	0.00	-0.08	0.00	0.00	-0.08	0.00	0.0
186	0	0.00	0.00	-0.08	0.00	0.00	-0.08	0.00	0.0
187	0	0.00	0.00	-0.08	0.00	0.00	-0.08	0.00	0.0

### CARICHI DISTRIBUITI ASTE

CONDIZIONE DI CARICO N.ro: 2					ALIQUOTA SISMICA: 100				
IDENT.		NODO INIZIALE			NODO FINALE				
Asta3d N.ro	Riferi mento	Qx t/ml	Qy t/ml	Qz t/ml	Qx t/ml	Qy t/ml	Qz t/ml	Mt t*m/ml	Pretens t
1	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
3	0	0.00	0.00	-0.61	0.00	0.00	-0.61	0.00	0.0
4	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
5	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
6	0	0.00	0.00	-0.62	0.00	0.00	-0.62	0.00	0.0
8	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
9	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
10	0	0.00	0.00	-0.90	0.00	0.00	-0.90	0.00	0.0
11	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
12	0	0.00	0.00	-0.60	0.00	0.00	-0.60	0.00	0.0
13	0	0.00	0.00	-0.62	0.00	0.00	-0.62	0.00	0.0
14	0	0.00	0.00	-0.62	0.00	0.00	-0.62	0.00	0.0
15	0	0.00	0.00	-0.61	0.00	0.00	-0.61	0.00	0.0
16	0	0.00	0.00	-0.62	0.00	0.00	-0.62	0.00	0.0
17	0	0.00	0.00	-2.07	0.00	0.00	-2.07	0.00	0.0
18	0	0.00	0.00	-2.11	0.00	0.00	-2.11	0.00	0.0



160	0	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.0
161	0	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.0
162	0	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.0
163	0	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.0
180	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
181	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
182	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
183	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
184	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
185	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
186	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0
187	0	0.00	0.00	-0.03	0.00	0.00	-0.03	0.00	0.0

**CARICHI DISTRIBUITI ASTE**

CONDIZIONE DI CARICO N.ro: 3					ALIQUOTA SISMICA: 60				
IDENT.		NODO INIZIALE			NODO FINALE				
Asta3d N.ro	Riferi mento	Qx t/ml	Qy t/ml	Qz t/ml	Qx t/ml	Qy t/ml	Qz t/ml	Mt t*m/ml	Pretens t
1	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
3	0	0.00	0.00	-1.23	0.00	0.00	-1.23	0.00	0.0
4	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
5	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
6	0	0.00	0.00	-1.23	0.00	0.00	-1.23	0.00	0.0
8	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
9	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
10	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
11	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
12	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
13	0	0.00	0.00	-1.23	0.00	0.00	-1.23	0.00	0.0
14	0	0.00	0.00	-1.23	0.00	0.00	-1.23	0.00	0.0
15	0	0.00	0.00	-1.23	0.00	0.00	-1.23	0.00	0.0
16	0	0.00	0.00	-1.23	0.00	0.00	-1.23	0.00	0.0
17	0	0.00	0.00	-0.77	0.00	0.00	-0.77	0.00	0.0
18	0	0.00	0.00	-0.87	0.00	0.00	-0.87	0.00	0.0
20	0	0.00	0.00	-1.23	0.00	0.00	-1.23	0.00	0.0
21	0	0.00	0.00	-1.23	0.00	0.00	-1.23	0.00	0.0
72	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
73	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
74	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
75	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
76	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
77	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
78	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0
79	0	0.00	0.00	-1.21	0.00	0.00	-1.21	0.00	0.0

**CARICHI DISTRIBUITI ASTE**

CONDIZIONE DI CARICO N.ro: 5					ALIQUOTA SISMICA: 0				
IDENT.		NODO INIZIALE			NODO FINALE				
Asta3d N.ro	Riferi mento	Qx t/ml	Qy t/ml	Qz t/ml	Qx t/ml	Qy t/ml	Qz t/ml	Mt t*m/ml	Pretens t
23	0	0.00	0.00	-0.68	0.00	0.00	-0.68	0.00	0.0
24	0	0.00	0.00	-0.68	0.00	0.00	-0.68	0.00	0.0
25	0	0.00	0.00	-0.68	0.00	0.00	-0.68	0.00	0.0
26	0	0.00	0.00	-0.68	0.00	0.00	-0.68	0.00	0.0
27	0	0.00	0.00	-0.68	0.00	0.00	-0.68	0.00	0.0
28	0	0.00	0.00	-0.68	0.00	0.00	-0.68	0.00	0.0
29	0	0.00	0.00	-1.35	0.00	0.00	-1.35	0.00	0.0
30	0	0.00	0.00	-0.68	0.00	0.00	-0.68	0.00	0.0
31	0	0.00	0.00	-0.68	0.00	0.00	-0.68	0.00	0.0



**CARICHI DISTRIBUITI ASTE**

CONDIZIONE DI CARICO N.ro: 6					ALIQUOTA SISMICA: 0				
IDENT.		NODO INIZIALE			NODO FINALE				
Asta3d N.ro	Riferi mento	Qx t/ml	Qy t/ml	Qz t/ml	Qx t/ml	Qy t/ml	Qz t/ml	Mt t*m/ml	Pretens t
98	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
99	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
100	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
101	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
102	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
103	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
104	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
105	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
106	0	0.00	0.00	-0.15	0.00	0.00	-0.15	0.00	0.0
108	0	0.00	0.00	-0.14	0.00	0.00	-0.14	0.00	0.0
109	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
110	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
111	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
112	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
113	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
114	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
115	0	0.00	0.00	-0.05	0.00	0.00	-0.05	0.00	0.0
116	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
117	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
118	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
119	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
120	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
121	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
122	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
123	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
124	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
125	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
126	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
127	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
128	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
129	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
130	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
131	0	0.00	0.00	-0.13	0.00	0.00	-0.13	0.00	0.0
156	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
157	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
158	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
159	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
160	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
161	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
162	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
163	0	0.00	0.00	-0.04	0.00	0.00	-0.04	0.00	0.0
180	0	0.00	0.00	-0.11	0.00	0.00	-0.11	0.00	0.0
181	0	0.00	0.00	-0.11	0.00	0.00	-0.11	0.00	0.0
182	0	0.00	0.00	-0.11	0.00	0.00	-0.11	0.00	0.0
183	0	0.00	0.00	-0.11	0.00	0.00	-0.11	0.00	0.0
184	0	0.00	0.00	-0.11	0.00	0.00	-0.11	0.00	0.0
185	0	0.00	0.00	-0.11	0.00	0.00	-0.11	0.00	0.0
186	0	0.00	0.00	-0.11	0.00	0.00	-0.11	0.00	0.0
187	0	0.00	0.00	-0.11	0.00	0.00	-0.11	0.00	0.0

**COMPOSIZIONE SHELL**

Macro Nro	Col.1	Col.2	Col.3	Col.4	Col.5	Col.6
1	1 10	9 11				
3	3	15				

Macro Nro	Col.1	Col.2	Col.3	Col.4	Col.5	Col.6
2	2 13	12 14				
4	4	18				



16	17		
5	5	21	
	22	23	

19	20		
6	6	24	
	25	26	

**COMPOSIZIONE SHELL**

Macro Nro	Col.1	Col.2	Col.3	Col.4	Col.5	Col.6
7	7	27				
	28	29				

Macro Nro	Col.1	Col.2	Col.3	Col.4	Col.5	Col.6
8	8	30				
	31	32				

**VERTICI MICRO SHELL**

Micro Nro	Macro Nro	Vert.1	Vert.2	Vert.3	Vert.4
1	1	5	111	113	112
4	4	22	124	125	123
7	7	4	132	137	136
10	10	112	113	115	4
13	13	115	117	119	4
16	16	119	121	123	4
19	19	123	125	127	4
22	22	127	129	131	4
25	25	132	133	135	11
28	28	136	137	139	24
31	31	112	140	142	5

Micro Nro	Macro Nro	Vert.1	Vert.2	Vert.3	Vert.4
2	2	25	116	117	115
5	5	3	128	129	127
8	8	4	136	140	112
11	11	113	114	25	115
14	14	117	118	10	119
17	17	121	122	22	123
20	20	125	126	3	127
23	23	129	130	23	131
26	26	133	134	39	135
29	29	137	138	40	139
32	32	140	141	41	142

Micro Nro	Macro Nro	Vert.1	Vert.2	Vert.3	Vert.4
3	3	10	120	121	119
6	6	4	131	133	132
9	9	111	42	114	113
12	12	116	43	118	117
15	15	120	44	122	121
18	18	124	37	126	125
21	21	128	38	130	129
24	24	131	23	134	133
27	27	132	11	138	137
30	30	136	24	141	140

**COMPOSIZIONE ASTE**

Macro Asta Input Numero	Micro-Asta 1			Micro-Asta 2			Micro-Asta 3			Micro-Asta 4			Micro-Asta 5			Micro-Asta 6		
	Asta N.ro	Nodo iniz.	Nodo fin.	Asta N.ro	Nodo iniz.	Nodo fin.	Asta N.ro	Nodo iniz.	Nodo fin.	Asta N.ro	Nodo iniz.	Nodo fin.	Asta N.ro	Nodo iniz.	Nodo fin.	Asta N.ro	Nodo iniz.	Nodo fin.
2	2	3	127	188	127	4												
7	7	4	132	189	132	11												
19	19	10	119	190	119	4												
22	22	4	112	191	112	5												
40	40	22	124	192	124	37												
41	41	37	126	193	126	3												
42	42	3	128	194	128	38												
43	43	38	130	195	130	23												
44	44	23	134	196	134	39												
45	45	39	135	197	135	11												
46	46	11	138	198	138	40												
47	47	40	139	199	139	24												
48	48	24	142	200	142	41												
49	49	41	142	201	142	5												
50	50	5	111	202	111	42												
51	51	42	114	203	114	25												
52	52	25	116	204	116	43												
53	53	43	118	205	118	10												
54	54	10	120	206	120	44												
55	55	44	122	207	122	22												

**NODI INTERNI SHELL**

IDENT. Nodo3d N.ro	POSIZIONE NODO			ATTRIBUTI	
	Coord.X (m)	Coord.Y (m)	Coord.Z (m)	Piano Sism.	Peso (kN*10)
111	-0.29	1.44	0.00	0.00	0.00
112	0.00	0.75	0.00	0.00	0.00
113	-0.41	0.98	0.00	0.00	0.00
114	-0.82	1.22	0.00	0.00	0.00
115	-0.53	0.53	0.00	0.00	0.00
116	-1.22	0.82	0.00	0.00	0.00
117	-0.99	0.41	0.00	0.00	0.00
118	-1.45	0.29	0.00	0.00	0.00
119	-0.75	0.00	0.00	0.00	0.00

120	-1.45	-0.29	0.00	0.00	0.00
121	-0.99	-0.41	0.00	0.00	0.00
122	-1.23	-0.82	0.00	0.00	0.00
123	-0.53	-0.53	0.00	0.00	0.00
124	-0.82	-1.23	0.00	0.00	0.00
125	-0.41	-0.99	0.00	0.00	0.00
126	-0.29	-1.45	0.00	0.00	0.00
127	0.00	-0.75	0.00	0.00	0.00
128	0.29	-1.45	0.00	0.00	0.00
129	0.41	-0.99	0.00	0.00	0.00
130	0.82	-1.23	0.00	0.00	0.00
131	0.53	-0.53	0.00	0.00	0.00
132	0.75	0.00	0.00	0.00	0.00
133	0.99	-0.41	0.00	0.00	0.00
134	1.22	-0.82	0.00	0.00	0.00
135	1.44	-0.29	0.00	0.00	0.00
136	0.53	0.53	0.00	0.00	0.00
137	0.98	0.41	0.00	0.00	0.00
138	1.44	0.29	0.00	0.00	0.00
139	1.22	0.81	0.00	0.00	0.00
140	0.41	0.98	0.00	0.00	0.00
141	0.81	1.22	0.00	0.00	0.00
142	0.29	1.44	0.00	0.00	0.00

**COMBINAZIONI CARICHI - S.L.V. - A1**

DESCRIZIONI	1	2	3	4	5	6	7	8	9
PESO PROPRIO	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SOVRACCARICO PERMAN.	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Var.Scuole	1.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Var.Neve	1.50	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Var.Vento	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Var.Nev.q<1000	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Var.Coperture	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SISMA DIREZ. GRD 0	0.00	1.00	1.00	-1.00	-1.00	0.30	0.30	-0.30	-0.30
SISMA DIREZ. GRD 90	0.00	0.30	-0.30	0.30	-0.30	1.00	-1.00	1.00	-1.00

**COMBINAZIONI CARICHI - S.L.V. - A2**

DESCRIZIONI	1	2	3	4	5	6	7	8	9
PESO PROPRIO	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SOVRACCARICO PERMAN.	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Var.Scuole	1.30	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Var.Neve	1.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Var.Vento	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Var.Nev.q<1000	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Var.Coperture	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SISMA DIREZ. GRD 0	0.00	1.00	1.00	-1.00	-1.00	0.30	0.30	-0.30	-0.30
SISMA DIREZ. GRD 90	0.00	0.30	-0.30	0.30	-0.30	1.00	-1.00	1.00	-1.00

**COMBINAZIONI RARE - S.L.E.**

DESCRIZIONI	1
PESO PROPRIO	1.00
SOVRACCARICO PERMAN.	1.00
Var.Scuole	1.00
Var.Neve	1.00

**COMBINAZIONI RARE - S.L.E.**

DESCRIZIONI	1
Var.Vento	1.00
Var.Nev.q<1000	1.00
Var.Coperture	1.00
SISMA DIREZ. GRD 0	0.00
SISMA DIREZ. GRD 90	0.00

**COMBINAZIONI FREQUENTI - S.L.E.**

DESCRIZIONI	1
PESO PROPRIO	1.00
SOVRACCARICO PERMAN.	1.00
Var.Scuole	0.70
Var.Neve	0.50
Var.Vento	0.20
Var.Nev.q<1000	0.20
Var.Coperture	0.00
SISMA DIREZ. GRD 0	0.00
SISMA DIREZ. GRD 90	0.00

COMBINAZIONI PERMANENTI - S.L.E.

DESCRIZIONI	1
PESO PROPRIO	1.00
SOVRACCARICO PERMAN.	1.00
Var.Scuole	0.60
Var.Neve	0.20
Var.Vento	0.00
Var.Nev.q<1000	0.00
Var.Coperture	0.00
SISMA DIREZ. GRD 0	0.00

DESCRIZIONI	1
SISMA DIREZ. GRD 90	0.00

FREQUENZE E MASSE ECCITATE

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 SLV Z	Sd/g SLC	SISMA N.ro 1		SISMA N.ro 2		SISMA N.ro 3	
										Massa Ecc. (t)	Perc. .99	Massa Ecc. (t)	Perc. .99	Massa Ecc. (t)	Perc.
1	29.243	0.21486	5.0	0.174	0.213	0.391	0.391		0.589	0.00	0.00	0.54	0.01		
2	33.762	0.18610	5.0	0.174	0.213	0.391	0.391		0.589	0.46	0.01	33.93	0.68		
3	39.273	0.15999	5.0	0.174	0.213	0.391	0.391		0.589	2.18	0.04	4.24	0.09		
4	42.971	0.14622	5.0	0.174	0.213	0.391	0.391		0.589	16.47	0.33	2.33	0.05		
5	46.906	0.13395	5.0	0.174	0.213	0.380	0.380		0.562	29.12	0.59	1.68	0.03		
6	72.877	0.08522	5.0	0.141	0.170	0.314	0.314		0.450	0.31	0.01	5.67	0.11		
7	83.382	0.07535	5.0	0.132	0.159	0.299	0.299		0.424	0.02	0.00	0.00	0.00		
8	92.448	0.06796	5.0	0.125	0.152	0.289	0.289		0.406	0.07	0.00	0.51	0.01		
9	96.085	0.06539	5.0	0.123	0.149	0.286	0.286		0.400	0.29	0.01	0.12	0.00		
10	97.722	0.06430	5.0	0.122	0.148	0.284	0.284		0.398	0.03	0.00	0.01	0.00		
11	98.932	0.06351	5.0	0.122	0.148	0.283	0.283		0.396	0.00	0.00	0.00	0.00		
12	111.288	0.05646	5.0	0.116	0.141	0.273	0.273		0.379	0.35	0.01	0.00	0.00		
13	111.851	0.05617	5.0	0.116	0.140	0.273	0.273		0.379	0.00	0.00	0.48	0.01		
14	118.736	0.05292	5.0	0.113	0.137	0.268	0.268		0.371	0.06	0.00	0.02	0.00		
15	122.743	0.05119	5.0	0.111	0.135	0.266	0.266		0.367	0.12	0.00	0.00	0.00		
16	127.777	0.04917	5.0	0.110	0.133	0.263	0.263		0.362	0.03	0.00	0.01	0.00		
17	129.564	0.04849	5.0	0.109	0.133	0.262	0.262		0.361	0.04	0.00	0.00	0.00		
18	135.663	0.04631	5.0	0.107	0.130	0.259	0.259		0.355	0.02	0.00	0.01	0.00		
19	143.602	0.04375	5.0	0.105	0.128	0.256	0.256		0.349	0.01	0.00	0.01	0.00		
20	144.972	0.04334	5.0	0.105	0.127	0.255	0.255		0.348	0.00	0.00	0.02	0.00		
21	151.286	0.04153	5.0	0.103	0.126	0.253	0.253		0.344	0.04	0.00	0.00	0.00		
22	151.570	0.04145	5.0	0.103	0.126	0.253	0.253		0.344	0.00	0.00	0.03	0.00		
23	154.237	0.04074	5.0	0.103	0.125	0.252	0.252		0.342	0.00	0.00	0.00	0.00		
24	163.528	0.03842	5.0	0.101	0.122	0.249	0.249		0.337	0.00	0.00	0.00	0.00		

CARATT. PESO PROPRIO: ASTE

Tra tto	Filo In.	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx (kN*m*10)	My (kN*m*10)	Mt (kN*m*10)	Filo N.ro	Alt. (m)	Tx (kN*10)	Ty (kN*10)	N (kN*10)	Mx (kN*m*10)	My (kN*m*10)	Mt (kN*m*10)
1	2	0.00	0.00	-1.45	0.00	-0.16	0.00	-0.02	20	0.00	0.00	1.05	0.00	1.97	0.00	0.01
	36	0.00	0.00	-0.03	0.00	-0.01	0.00	0.00	1	0.00	-0.16	0.00	0.00	-0.03	0.00	0.00
	44	0.00	0.00	0.03	0.00	-0.02	0.00	0.00	28	0.00	0.78	0.00	0.00	1.79	0.00	0.00
	28	0.00	0.00	0.90	0.00	-1.74	0.00	0.03	10	0.00	-1.29	0.00	0.00	0.17	0.00	-0.04
	14	0.00	0.00	-1.65	0.00	-0.07	0.00	0.00	32	0.00	1.17	0.00	0.00	2.10	0.00	0.00
	32	0.00	0.00	0.92	0.00	-2.18	0.00	0.00	48	0.00	0.03	0.00	0.00	0.09	0.00	0.00
1	1	0.00	0.00	-0.08	0.00	0.03	0.00	0.00	40	0.00	-0.13	0.00	0.00	-0.04	0.00	0.00
	24	0.00	0.00	0.89	0.00	-1.58	0.00	0.00	6	0.00	-1.06	0.00	0.00	0.17	0.00	0.00
	12	0.00	0.00	-1.68	0.00	-0.06	0.00	0.00	30	0.00	1.19	0.00	0.00	2.13	0.00	0.00
	8	0.00	0.00	-1.02	0.00	0.61	0.00	-0.02	26	0.00	0.95	0.00	0.00	0.85	0.00	0.02
	4	0.00	0.00	-1.04	0.00	-0.13	0.00	0.00	22	0.00	0.88	0.00	0.00	1.52	0.00	0.00
	16	0.00	0.00	-1.65	0.00	-0.06	0.00	0.00	34	0.00	1.17	0.00	0.00	2.10	0.00	0.00
	34	0.00	0.00	0.92	0.00	-2.18	0.00	0.00	50	0.00	0.02	0.00	0.00	0.08	0.00	0.00
	22	0.00	0.00	0.84	0.00	-1.61	0.00	0.00	38	0.00	0.11	0.00	0.00	0.01	0.00	0.00
	26	0.00	0.00	0.54	0.00	-0.93	0.00	0.01	42	0.00	0.23	0.00	0.00	0.12	0.00	0.00
	30	0.00	0.00	0.94	0.00	-2.22	0.00	0.00	46	0.00	-0.02	0.00	0.00	0.01	0.00	0.00
	9	0.00	0.00	-1.56	0.00	1.07	0.00	-0.03	19	0.00	-1.04	0.00	0.00	0.26	0.00	0.01
	8	0.00	0.00	-1.09	0.00	0.48	0.00	-0.01	18	0.00	-1.01	0.00	0.00	0.14	0.00	0.03
1	48	0.00	0.00	0.00	0.00	-0.05	0.00	0.00	1	0.00	-0.21	0.00	0.00	-0.03	0.00	0.00
	40	0.00	0.00	0.04	0.00	0.11	0.00	0.00	24	0.00	0.88	0.00	0.00	1.69	0.00	0.00
	20	0.00	0.00	0.91	0.00	-2.06	0.00	0.00	36	0.00	0.03	0.00	0.00	0.03	0.00	0.00
1	1	0.00	0.00	-0.10	0.00	0.02	0.00	0.00	44	0.00	-0.12	0.00	0.00	-0.03	0.00	0.00
	2	0.00	0.00	-1.02	0.00	-0.20	0.00	0.03	3	0.00	-1.12	0.00	0.00	0.04	0.00	0.01
	3	0.00	0.00	-1.12	0.00	-0.02	0.00	0.02	4	0.00	-0.86	0.00	0.00	0.31	0.00	0.01
	4	0.00	0.00	-0.76	0.00	-0.30	0.00	0.01	5	0.00	-1.21	0.00	0.00	-0.24	0.00	0.02
	5	0.00	0.00	-1.17	0.00	0.24	0.00	0.02	6	0.00	-0.82	0.00	0.00	0.18	0.00	0.02
	6	0.00	0.00	-0.76	0.00	-0.16	0.00	0.02	7	0.00	-1.16	0.00	0.00	-0.35	0.00	0.01
	7	0.00	0.00	-1.18	0.00	0.39	0.00	0.03	8	0.00	-0.54	0.00	0.00	0.33	0.00	-0.01
	8	0.00	0.00	-0.75	0.00	-0.31	0.00	0.01	9	0.00	-0.78	0.00	0.00	0.30	0.00	0.00
	9	0.00	0.00	-0.98	0.00	0.16	0.00	-0.02	10	0.00	-0.90	0.00	0.00	0.00	0.00	0.04
	10	0.00	0.00	-0.96	0.00	-0.16	0.00	0.01	11	0.00	-1.31	0.00	0.00	-0.18	0.00	0.03

11	0.00	0.00	-1.52	0.00	0.19	0.00	0.02	12	0.00	0.00	-0.83	0.00	0.56	0.00	0.02
12	0.00	0.00	-0.93	0.00	-0.50	0.00	0.02	13	0.00	0.00	-1.41	0.00	-0.03	0.00	0.02
13	0.00	0.00	-1.45	0.00	-0.07	0.00	0.02	14	0.00	0.00	-0.90	0.00	-0.53	0.00	0.02
14	0.00	0.00	-0.90	0.00	-0.53	0.00	0.02	15	0.00	0.00	-1.44	0.00	-0.07	0.00	0.02
15	0.00	0.00	-1.41	0.00	-0.03	0.00	0.02	16	0.00	0.00	-0.93	0.00	-0.50	0.00	0.02
16	0.00	0.00	-0.86	0.00	-0.55	0.00	0.02	17	0.00	0.00	-1.48	0.00	-0.14	0.00	0.02
17	0.00	0.00	-1.32	0.00	-0.12	0.00	0.02	2	0.00	0.00	-0.98	0.00	-0.23	0.00	0.02
20	0.00	0.00	-0.93	0.00	0.24	0.00	0.01	21	0.00	0.00	-0.04	0.00	0.70	0.00	0.02
50	0.00	0.00	-0.14	0.00	0.03	0.00	0.00	51	0.00	0.00	0.05	0.00	0.00	0.00	0.00
51	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	36	0.00	0.00	-0.06	0.00	-0.01	0.00	0.00
36	0.00	0.00	-0.05	0.00	0.00	0.00	0.00	37	0.00	0.00	-0.03	0.00	0.00	0.00	0.00
37	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	38	0.00	0.00	-0.07	0.00	-0.01	0.00	0.00
38	0.00	0.00	-0.07	0.00	0.02	0.00	0.00	39	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00
39	0.00	0.00	-0.09	0.00	0.00	0.00	0.00	40	0.00	0.00	0.00	0.00	0.01	0.00	0.00
40	0.00	0.00	0.03	0.00	-0.02	0.00	0.00	41	0.00	0.00	-0.12	0.00	0.00	0.00	0.00
41	0.00	0.00	0.08	0.00	0.00	0.00	0.00	42	0.00	0.00	-0.17	0.00	-0.04	0.00	0.00
42	0.00	0.00	-0.25	0.00	0.08	0.00	0.00	43	0.00	0.00	0.16	0.00	-0.02	0.00	0.00
43	0.00	0.00	-0.04	0.00	0.01	0.00	0.00	44	0.00	0.00	-0.04	0.00	-0.01	0.00	0.00
44	0.00	0.00	-0.05	0.00	0.00	0.00	0.00	45	0.00	0.00	-0.03	0.00	0.01	0.00	0.00
45	0.00	0.00	-0.04	0.00	-0.01	0.00	0.00	46	0.00	0.00	-0.05	0.00	0.01	0.00	0.00
46	0.00	0.00	-0.05	0.00	-0.00	0.00	0.00	47	0.00	0.00	-0.04	0.00	0.01	0.00	0.00
47	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	48	0.00	0.00	-0.08	0.00	-0.01	0.00	0.00
48	0.00	0.00	-0.10	0.00	0.02	0.00	0.00	49	0.00	0.00	0.02	0.00	0.00	0.00	0.00
49	0.00	0.00	0.02	0.00	0.00	0.00	0.00	50	0.00	0.00	-0.11	0.00	-0.02	0.00	0.00
21	0.00	0.00	-0.02	0.00	-0.71	0.00	0.02	22	0.00	0.00	-0.88	0.00	-0.20	0.00	0.00
22	0.00	0.00	-0.84	0.00	0.20	0.00	0.00	23	0.00	0.00	-0.03	0.00	-0.66	0.00	0.02
23	0.00	0.00	0.01	0.00	-0.66	0.00	0.02	24	0.00	0.00	-0.89	0.00	-0.29	0.00	0.00
24	0.00	0.00	-0.88	0.00	0.28	0.00	0.00	25	0.00	0.00	0.01	0.00	-0.66	0.00	0.02
25	0.00	0.00	-0.03	0.00	-0.67	0.00	0.03	26	0.00	0.00	-0.85	0.00	-0.18	0.00	-0.01
26	0.00	0.00	-0.64	0.00	0.15	0.00	0.00	27	0.00	0.00	-0.34	0.00	-0.19	0.00	0.02
27	0.00	0.00	-0.40	0.00	-0.16	0.00	0.01	28	0.00	0.00	-0.66	0.00	-0.11	0.00	0.01
28	0.00	0.00	-1.02	0.00	-0.15	0.00	-0.01	29	0.00	0.00	-0.01	0.00	-0.92	0.00	0.04
29	0.00	0.00	0.02	0.00	-0.91	0.00	0.03	30	0.00	0.00	-1.06	0.00	-0.23	0.00	0.00
30	0.00	0.00	-1.06	0.00	-0.23	0.00	0.00	31	0.00	0.00	-0.01	0.00	-0.90	0.00	0.03
31	0.00	0.00	0.00	0.00	-0.90	0.00	0.03	32	0.00	0.00	-1.04	0.00	-0.20	0.00	0.00
32	0.00	0.00	-1.04	0.00	-0.20	0.00	0.00	33	0.00	0.00	0.00	0.00	-0.90	0.00	0.03

**CARATT. PESO PROPRIO: ASTE**

Tra	Filo	Alt.	Tx	Ty	N	Mx	My	Mt	Filo	Alt.	Tx	Ty	N	Mx	My	Mt
tto	In.	(m)	(kN*10)	(kN*10)	(kN*10)	kN*m*10	kN*m*10	kN*m*10	N.ro	(m)	(kN*10)	(kN*10)	(kN*10)	kN*m*10	kN*m*10	kN*m*10
33	0.00	0.00	0.01	0.00	0.00	-0.90	0.00	0.03	34	0.00	0.00	-1.05	0.00	-0.21	0.00	0.00
34	0.00	0.00	-1.04	0.00	0.00	0.21	0.00	0.00	35	0.00	0.00	-0.01	0.00	0.87	0.00	0.03
35	0.00	0.00	0.02	0.00	0.00	-0.87	0.00	0.03	20	0.00	0.00	-1.04	0.00	-0.25	0.00	0.00
18	0.00	0.00	-1.19	0.00	0.00	-0.11	0.00	0.02	19	0.00	0.00	-1.22	0.00	0.05	0.00	0.00
13	0.00	0.00	-0.50	0.00	0.00	-0.17	0.00	0.00	31	0.00	0.00	-0.01	0.00	0.41	0.00	0.00
11	0.00	0.00	-0.49	0.00	0.00	-0.19	0.00	0.00	29	0.00	0.00	-0.01	0.00	0.42	0.00	0.00
9	0.00	0.00	-0.96	0.00	0.00	1.16	0.00	0.04	27	0.00	0.00	0.74	0.00	0.09	0.00	-0.03
7	0.00	0.00	-0.16	0.00	0.00	-0.25	0.00	-0.02	25	0.00	0.00	0.02	0.00	0.30	0.00	0.01
5	0.00	0.00	-0.21	0.00	0.00	-0.22	0.00	0.00	23	0.00	0.00	0.02	0.00	0.30	0.00	0.00
3	0.00	0.00	-0.31	0.00	0.00	-0.13	0.00	-0.01	21	0.00	0.00	0.06	0.00	0.32	0.00	0.01
17	0.00	0.00	-0.49	0.00	0.00	-0.17	0.00	0.00	35	0.00	0.00	-0.01	0.00	0.40	0.00	0.00
15	0.00	0.00	-0.50	0.00	0.00	-0.17	0.00	0.00	33	0.00	0.00	0.00	0.00	0.41	0.00	0.00
2	4.25	0.05	0.00	2.01	-0.01	0.23	0.00	2	0.00	-0.05	0.00	-3.46	0.02	-0.03	0.00	0.00
3	4.25	-0.02	-0.05	1.88	0.16	-0.06	0.00	3	0.00	0.02	0.05	-2.56	0.05	-0.02	0.00	0.00
4	4.25	-0.05	-0.05	1.99	0.14	-0.13	0.00	4	0.00	0.05	0.05	-2.67	0.05	-0.05	0.00	0.00
5	4.25	-0.06	-0.02	1.91	0.07	-0.16	0.00	5	0.00	0.06	0.02	-2.59	0.02	-0.05	0.00	0.00
6	4.25	-0.06	0.01	1.96	-0.01	-0.18	0.00	6	0.00	0.06	-0.01	-2.64	-0.01	-0.06	0.00	0.00
7	4.25	-0.04	0.04	1.82	-0.10	-0.13	0.00	7	0.00	0.04	-0.04	-2.50	-0.05	-0.03	0.00	0.00
8	4.25	0.03	0.00	2.72	0.01	0.07	0.00	8	0.00	-0.03	0.00	-3.40	0.00	0.05	0.00	0.00
9	4.25	0.04	0.01	2.84	-0.07	0.10	0.00	9	0.00	-0.04	-0.01	-4.29	0.02	0.05	0.00	0.00
10	4.25	-0.03	-0.06	1.71	0.14	-0.17	0.00	10	0.00	0.03	0.06	-3.16	0.11	0.04	0.00	0.00
11	4.25	0.04	-0.04	1.87	0.06	0.20	0.00	11	0.00	-0.04	0.04	-3.32	0.08	-0.06	0.00	0.00
12	4.25	0.05	-0.04	2.00	0.08	0.23	0.00	12	0.00	-0.05	0.04	-3.44	0.09	-0.03	0.00	0.00
13	4.25	0.05	-0.02	1.92	0.04	0.21	0.00	13	0.00	-0.05	0.02	-3.36	0.05	-0.04	0.00	0.00
14	4.25	0.05	0.00	2.01	0.00	0.23	0.00	14	0.00	-0.05	0.00	-3.45	0.00	-0.03	0.00	0.00
15	4.25	0.04	0.02	1.92	-0.03	0.21	0.00	15	0.00	-0.04	-0.02	-3.36	-0.04	-0.04	0.00	0.00
16	4.25	0.05	0.04	2.01	-0.06	0.23	0.00	16	0.00	-0.05	-0.04	-3.45	-0.07	-0.04	0.00	0.00
17	4.25	0.04	0.03	1.85	-0.15	0.20	0.00	17	0.00	-0.04	-0.03	-3.30	-0.06	-0.06	0.00	0.00
18	4.25	-0.01	-0.07	0.75	0.30	0.00	0.00	18	0.00	0.01	-0.07	-2.20	-0.03	-0.05	0.00	0.00
19	4.25	0.00	-0.12	0.82	0.39	0.00	0.00	19	0.00	0.00	0.12	-2.27	0.06	-0.02	0.00	0.00
16	4.25	0.00	0.43	-7.23	-0.15	0.00	0.00	17	4.25	0.00	0.31	-7.23	0.02	0.00	0.00	0.00
17	4.25	0.00	0.34	-7.20	-0.07	0.00	0.00	2	4.25	0.00	0.39	-7.20	0.12	0.00	0.00	0.00
2	4.25	0.00	0.42	-7.21	-0.12	0.00	0.01	3	4.25	0.00	0.36	-7.21	0.05	0.00	-0.01	0.00
3	4.25	0.00	0.39	-7.21	-0.05	0.00	0.00	4	4.25	0.00	0.43	-7.21	0.10	0.01	0.00	0.00
4	4.25	0.00	0.43	-7.21	-0.11	0.00	0.00	5	4.25	0.00	0.39	-7.21	0.05	0.00	0.00	0.00
5	4.25	0.00	0.39	-7.22	-0.05	0.00	0.00	6	4.25	0.00	0.42	-7.22	0.08	0.00	0.00	0.00
6	4.25	0.00	0.41	-7.22	-0.07	0.00	0.00	7	4.25	0.00	0.40	-7.22	0.05	0.00	0.00	0.00
7	4.25	0.00	0.29	-7.25	-0.01	0.00	-0.02	8	4.25	0.00	0.52	-7.25	0.30	-0.01	0.02	0.00
8	4.25	0.01	0.66	0.07	-0.27	0.04	0.00	18	4.25	-0.01	0.60	-0.07	0.18	0.00	0.00	0.00
8	4.25	-0.02	0.40	-7.29	-0.26	-0.03	0.00	9	4.25	0.02	0.31	-7.29	0.15	-0.02	0.00	0.00
9	4.25	0.00	0.74	0.12	-0.39	0.02	0.00	19	4.25	0.00	0.67	-0.12	0.27	0.00	0.00	0.00
9	4.25	-0.01	0.58	-7.26	-0.42	-0.02	0.01	10	4.25	0.01	0.15	-7.26	-0.05	-0.01	-0.01	0.00
10	4.25	0.00	0.36	-7.20	-0.07	0.01	0.00	11	4.25	0.00	0.37	-7.20	0.08	0.00	0.00	0.00
11	4.25	0.00	0.30	-7.23	-0.02	0.00	0.00	12	4.25	0.00	0.43	-7.23	0.16	0.00	0.00	0.

38	5.50	-0.01	0.12	7.37	0.01	0.00	0.00	39	5.50	0.01	0.04	-7.37	-0.04	-0.01	0.00
39	5.50	-0.01	0.04	7.38	0.04	0.00	0.00	40	5.50	0.01	0.13	-7.38	-0.01	-0.01	0.00
40	5.50	0.00	0.12	7.39	0.01	0.01	0.00	41	5.50	0.00	0.04	-7.39	-0.03	-0.01	0.00
41	5.50	-0.01	0.03	7.40	0.03	0.01	0.01	42	5.50	0.01	0.13	-7.40	-0.01	-0.02	-0.01
42	5.50	0.02	0.13	7.41	0.00	0.02	-0.01	43	5.50	-0.02	0.04	-7.41	-0.03	0.00	-0.01
43	5.50	0.04	0.05	7.41	0.03	0.00	-0.01	44	5.50	-0.04	0.11	-7.41	-0.01	0.02	0.01
44	5.50	0.00	0.13	7.41	0.01	-0.02	-0.01	45	5.50	0.00	0.04	-7.41	-0.04	0.02	0.01
45	5.50	-0.03	0.04	7.39	0.04	-0.02	0.01	46	5.50	0.03	0.13	-7.39	-0.02	0.00	-0.01
46	5.50	-0.03	0.13	7.36	0.01	-0.01	0.00	47	5.50	0.03	0.04	-7.36	-0.04	-0.01	0.00
47	5.50	-0.02	0.04	7.34	0.04	0.01	0.02	48	5.50	0.02	0.13	-7.34	-0.01	-0.02	-0.02
48	5.50	0.01	0.13	7.32	0.01	0.02	-0.01	49	5.50	-0.01	0.03	-7.32	-0.04	-0.02	0.01
49	5.50	0.02	0.04	7.32	0.04	0.02	0.01	50	5.50	-0.02	0.12	-7.32	-0.01	0.00	-0.01
50	5.50	0.03	0.14	7.32	0.02	0.00	-0.02	51	5.50	-0.03	0.03	-7.32	-0.05	0.01	0.02
51	5.50	0.00	0.04	7.33	0.05	-0.01	0.00	36	5.50	0.00	0.13	-7.33	-0.02	0.01	0.00
37	6.50	-0.01	0.00	0.16	0.00	0.00	0.00	37	5.50	0.01	0.00	-0.17	0.00	-0.01	0.00
39	6.50	-0.01	0.00	0.16	0.00	0.00	0.00	39	5.50	0.01	0.00	-0.17	0.00	-0.01	0.00
41	6.50	-0.01	0.00	0.16	0.00	0.00	0.00	41	5.50	0.01	0.00	-0.18	0.00	-0.01	0.00
43	6.50	-0.01	0.00	0.16	0.00	0.00	0.00	43	5.50	0.01	0.00	-0.17	0.00	-0.01	0.00
45	6.50	0.00	0.00	0.16	0.00	0.00	0.00	45	5.50	0.00	0.00	-0.17	0.00	0.00	0.00
47	6.50	0.01	0.00	0.16	0.00	0.00	0.00	47	5.50	-0.01	0.00	-0.18	0.00	0.01	0.00
49	6.50	0.01	0.00	0.16	0.00	0.00	0.00	49	5.50	-0.01	0.00	-0.18	0.00	0.01	0.00
51	6.50	0.00	0.00	0.16	0.00	0.00	0.00	51	5.50	0.00	0.00	-0.18	0.00	0.00	0.00
1	6.80	0.00	0.02	0.06	0.00	0.00	0.00	43	6.50	0.00	0.05	-0.07	0.03	0.00	0.00
1	6.80	0.00	0.01	0.06	0.01	0.00	0.00	41	6.50	0.00	0.06	-0.08	0.03	0.00	0.00
1	6.80	0.00	0.02	0.06	0.00	0.00	0.00	39	6.50	0.00	0.05	-0.07	0.03	0.00	0.00
1	6.80	0.00	0.02	0.06	0.00	0.00	0.00	37	6.50	0.00	0.05	-0.07	0.03	0.00	0.00
1	6.80	0.00	0.01	0.06	0.01	0.00	0.00	51	6.50	0.00	0.06	-0.07	0.03	0.00	0.00
1	6.80	0.00	0.02	0.06	0.00	0.00	0.00	49	6.50	0.00	0.05	-0.07	0.03	0.00	0.00
1	6.80	0.00	0.01	0.06	0.01	0.00	0.00	47	6.50	0.00	0.06	-0.07	0.03	0.00	0.00
1	6.80	0.00	0.01	0.06	0.01	0.00	0.00	45	6.50	0.00	0.06	-0.07	0.03	0.00	0.00
43	6.50	-0.01	0.01	-0.07	0.00	0.00	0.00	44	6.50	0.01	0.00	0.07	0.00	0.00	0.00
44	6.50	0.01	0.00	-0.07	0.00	0.00	0.00	45	6.50	-0.01	0.01	0.07	0.00	0.00	0.00
45	6.50	-0.01	0.01	-0.07	0.00	0.00	0.00	46	6.50	0.01	0.00	0.07	0.00	0.00	0.00
46	6.50	0.01	0.00	-0.07	0.00	0.00	0.00	47	6.50	-0.01	0.01	0.07	0.00	0.00	0.00
47	6.50	-0.01	0.01	-0.07	0.00	0.00	0.00	48	6.50	0.01	0.00	0.07	0.00	0.00	0.00
48	6.50	0.01	0.00	-0.07	0.00	0.00	0.00	49	6.50	-0.01	0.01	0.07	0.00	0.00	0.00
49	6.50	-0.01	0.01	-0.07	0.00	0.00	0.00	50	6.50	0.01	0.00	0.07	0.00	0.00	0.00
50	6.50	0.01	0.00	-0.07	0.00	0.00	0.00	51	6.50	-0.01	0.01	0.07	0.00	0.00	0.00
51	6.50	-0.01	0.01	-0.07	0.00	0.00	0.00	36	6.50	0.01	0.00	0.07	0.00	0.00	0.00
36	6.50	0.01	0.00	-0.07	0.00	0.00	0.00	37	6.50	-0.01	0.01	0.07	0.00	0.00	0.00
37	6.50	-0.01	0.01	-0.07	0.00	0.00	0.00	38	6.50	0.01	0.00	0.07	0.00	0.00	0.00
38	6.50	0.01	0.00	-0.07	0.00	0.00	0.00	39	6.50	-0.01	0.01	0.07	0.00	0.00	0.00
39	6.50	-0.01	0.01	-0.07	0.00	0.00	0.00	40	6.50	0.01	0.00	0.07	0.00	0.00	0.00
40	6.50	0.01	0.00	-0.07	0.00	0.00	0.00	41	6.50	-0.01	0.01	0.07	0.00	0.00	0.00

### CARATT. PESO PROPRIO: ASTE

Tra	Filo	Alt.	Tx	Ty	N	Mx	My	Mt	Filo	Alt.	Tx	Ty	N	Mx	My	Mt
tto	In.	(m)	(kN*10)	(kN*10)	(kN*10)	kN*m*10	kN*m*10	kN*m*10	N.ro	(m)	(kN*10)	(kN*10)	(kN*10)	kN*m*10	kN*m*10	kN*m*10
41	6.50	-0.01	0.01	-0.07	0.00	0.00	0.00	0.00	42	6.50	0.01	0.00	0.07	0.00	0.00	0.00
42	6.50	0.01	0.00	-0.07	0.00	0.00	0.00	0.00	43	6.50	-0.01	0.01	0.07	0.00	0.00	0.00
45	6.50	0.00	0.08	-0.01	-0.03	0.00	0.00	0.00	61	6.35	0.00	0.00	0.00	0.00	0.00	0.00
43	6.50	0.00	0.08	-0.01	-0.03	0.00	0.00	0.00	59	6.35	0.00	0.00	0.00	0.00	0.00	0.00
41	6.50	0.00	0.08	-0.01	-0.03	0.00	0.00	0.00	57	6.35	0.00	0.00	0.00	0.00	0.00	0.00
39	6.50	0.00	0.08	-0.01	-0.03	0.00	0.00	0.00	55	6.35	0.00	0.00	0.00	0.00	0.00	0.00
37	6.50	0.00	0.08	-0.01	-0.03	0.00	0.00	0.00	53	6.35	0.00	0.00	0.00	0.00	0.00	0.00
51	6.50	0.00	0.08	-0.01	-0.03	0.00	0.00	0.00	67	6.35	0.00	0.00	0.00	0.00	0.00	0.00
49	6.50	0.00	0.08	-0.01	-0.03	0.00	0.00	0.00	65	6.35	0.00	0.00	0.00	0.00	0.00	0.00
47	6.50	0.00	0.08	-0.01	-0.03	0.00	0.00	0.00	63	6.35	0.00	0.00	0.00	0.00	0.00	0.00
36	0.00	0.00	-0.12	0.00	0.03	0.00	0.00	0.00	1	0.00	0.00	-0.10	0.00	-0.02	0.00	0.00
2	1	0.00	0.00	-0.06	0.00	0.04	0.00	0.00	40	0.00	0.00	-0.17	0.00	-0.08	0.00	0.00
2	48	0.00	0.00	-0.10	0.00	0.02	0.00	0.00	1	0.00	0.00	-0.11	0.00	-0.02	0.00	0.00
2	1	0.00	0.00	-0.15	0.00	0.03	0.00	0.00	44	0.00	0.00	-0.07	0.00	0.00	0.00	0.00
2	50	0.00	0.00	-0.11	0.00	0.02	0.00	0.00	51	0.00	0.00	0.02	0.00	0.00	0.00	0.00
2	51	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	36	0.00	0.00	-0.07	0.00	-0.01	0.00	0.00
2	36	0.00	0.00	-0.06	0.00	0.01	0.00	0.00	37	0.00	0.00	-0.03	0.00	0.00	0.00	0.00
2	37	0.00	0.00	0.00	0.00	0.01	0.00	0.00	38	0.00	0.00	-0.09	0.00	-0.02	0.00	0.00
2	38	0.00	0.00	-0.07	0.00	0.01	0.00	0.00	39	0.00	0.00	-0.02	0.00	0.00	0.00	0.00
2	39	0.00	0.00	-0.13	0.00	0.00	0.00	0.00	40	0.00	0.00	0.04	0.03	0.00	0.00	0.00
2	40	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	41	0.00	0.00	-0.09	0.00	-0.01	0.00	0.00
2	41	0.00	0.00	0.15	0.00	0.00	0.00	0.00	42	0.00	0.00	-0.24	0.00	-0.07	0.00	0.00
2	42	0.00	0.00	-0.17	0.00	0.04	0.00	0.00	43	0.00	0.00	0.08	0.00	0.00	0.00	0.00
2	43	0.00	0.00	-0.03	0.00	0.00	0.00	0.00	44	0.00	0.00	-0.06	0.00	0.00	0.00	0.00
2	44	0.00	0.00	-0.06	0.00	0.00	0.00	0.00	45	0.00	0.00	-0.03	0.00	0.01	0.00	0.00
2	45	0.00	0.00	-0.04	0.00	-0.01	0.00	0.00	46	0.00	0.00	-0.04	0.00	0.01	0.00	0.00
2	46	0.00	0.00	-0.04	0.00	0.00	0.00	0.00	47	0.00	0.00	-0.04	0.00	0.00	0.00	0.00
2	47	0.00	0.00	0.01	0.00	0.00	0.00	0.00	48	0.00	0.00	-0.09	0.00	-0.01	0.00	0.00
2	48	0.00	0.00	-0.08	0.00	0.01	0.00	0.00	49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	49	0.00	0.00	0.06	0.00	0.00	0.00	0.00	50	0.00	0.00	-0.14	0.00	-0.03	0.00	0.00

### CARATT. SOVRACCARICO PERMAN.: ASTE

Tra	Filo	Alt.	Tx	Ty	N	Mx	My	Mt	Filo	Alt.	Tx	Ty	N	Mx	My	Mt
tto	In.	(m)	(kN*10)	(kN*10)	(kN*10)	kN*m*10	kN*m*10	kN*m*10	N.ro	(m)	(kN*10)	(kN*10)	(kN*10)	kN*m*10	kN*m*10	kN*m*10
1	2	0.00	0.00	-0.46	0.00	0.11	0.00	-0.10	20	0.00	0.00	0.08	0.00	0.26	0.00	0.08
1	36	0.00	0.00	0.31	0.00	-0.30	0.00	0.00	1	0.00	0.00	-0.54	0.00	-0.02	0.00	0.00
1	44	0.00	0.00	0.38	0.00	-0.83	0.00	0.02	28	0.00	0.00	-0.10	0.00	-1.09	0.00	-0.02
1	28	0.00	0.00	0.60	0.00	-1.16	0.00	0.00	10	0.00	0.00	-1.50	0.00	-0.33	0.00	-0.01
1	14	0.00	0.00	-1.56	0.00	0.36	0.00									

1	48	0.00	0.00	0.68	0.00	-0.68	0.00	0.00	1	0.00	0.00	-0.86	0.00	0.10	0.00	0.00
	40	0.00	0.00	0.98	0.00	-1.27	0.00	0.01	24	0.00	0.00	-1.49	0.00	-2.80	0.00	0.00
	20	0.00	0.00	-0.08	0.00	-0.05	0.00	-0.01	36	0.00	0.00	0.49	0.00	0.62	0.00	0.02
1	1	0.00	0.00	-0.43	0.00	-0.16	0.00	0.00	44	0.00	0.00	0.23	0.00	0.41	0.00	0.00
	2	0.00	0.00	-0.76	0.00	-0.31	0.00	0.03	3	0.00	0.00	-0.50	0.00	0.46	0.00	-0.03
	3	0.00	0.00	0.02	0.00	-0.36	0.00	0.00	4	0.00	0.00	-1.01	0.00	-0.89	0.00	-0.02
	4	0.00	0.00	-0.78	0.00	0.90	0.00	-0.01	5	0.00	0.00	-0.29	0.00	-0.29	0.00	-0.02
	5	0.00	0.00	-0.29	0.00	0.27	0.00	-0.01	6	0.00	0.00	-0.84	0.00	-0.93	0.00	-0.01
	6	0.00	0.00	-1.03	0.00	0.90	0.00	-0.02	7	0.00	0.00	-0.16	0.00	-0.19	0.00	-0.01
	7	0.00	0.00	-0.33	0.00	-0.26	0.00	-0.04	8	0.00	0.00	-1.27	0.00	-0.75	0.00	0.04
	8	0.00	0.00	-1.49	0.00	0.60	0.00	0.00	9	0.00	0.00	-0.62	0.00	0.52	0.00	0.02
	9	0.00	0.00	0.40	0.00	-0.17	0.00	0.01	10	0.00	0.00	0.82	0.00	0.70	0.00	0.02
10	0.00	0.00	0.53	0.00	-0.67	0.00	0.02	0.02	11	0.00	0.00	0.44	0.00	0.61	0.00	0.02
11	0.00	0.00	0.24	0.00	-0.49	0.00	0.02	0.02	12	0.00	0.00	0.67	0.00	0.97	0.00	0.02
12	0.00	0.00	0.56	0.00	-0.88	0.00	0.02	0.13	0.00	0.00	0.35	0.00	0.65	0.00	0.02	
13	0.00	0.00	0.33	0.00	-0.64	0.00	0.02	0.14	0.00	0.00	0.57	0.00	0.91	0.00	0.02	
14	0.00	0.00	0.65	0.00	-0.98	0.00	0.02	0.15	0.00	0.00	0.26	0.00	0.55	0.00	0.02	
15	0.00	0.00	0.44	0.00	-0.70	0.00	0.02	0.16	0.00	0.00	0.47	0.00	0.73	0.00	0.02	
16	0.00	0.00	0.83	0.00	-0.88	0.00	0.02	0.17	0.00	0.00	0.17	0.00	0.12	0.00	0.02	
17	0.00	0.00	0.60	0.00	-0.03	0.00	0.04	2	0.00	0.00	0.91	0.00	0.23	0.00	-0.01	
20	0.00	0.00	0.04	0.00	-0.54	0.00	0.04	21	0.00	0.00	-0.67	0.00	-0.22	0.00	-0.04	
50	0.00	0.00	-0.95	0.00	-0.11	0.00	0.02	51	0.00	0.00	0.89	0.00	0.38	0.00	-0.02	
1	51	0.00	0.00	0.10	0.00	-0.35	0.00	0.00	36	0.00	0.00	-0.17	0.00	0.31	0.00	0.00
1	36	0.00	0.00	-0.54	0.00	-0.20	0.00	0.00	37	0.00	0.00	0.46	0.00	0.35	0.00	0.00
1	37	0.00	0.00	0.53	0.00	-0.35	0.00	-0.01	38	0.00	0.00	-0.61	0.00	0.19	0.00	0.01
1	38	0.00	0.00	-1.33	0.00	0.05	0.00	0.02	39	0.00	0.00	1.24	0.00	0.33	0.00	-0.02
1	39	0.00	0.00	0.41	0.00	-0.30	0.00	0.00	40	0.00	0.00	-0.50	0.00	0.17	0.00	0.01
1	40	0.00	0.00	-1.09	0.00	0.01	0.00	0.01	41	0.00	0.00	0.99	0.00	0.29	0.00	-0.01
1	41	0.00	0.00	0.16	0.00	-0.32	0.00	0.00	42	0.00	0.00	-0.25	0.00	0.26	0.00	0.00
1	42	0.00	0.00	-0.80	0.00	-0.14	0.00	0.01	43	0.00	0.00	0.73	0.00	0.36	0.00	-0.01
1	43	0.00	0.00	0.15	0.00	-0.35	0.00	0.00	44	0.00	0.00	-0.22	0.00	0.30	0.00	0.01
1	44	0.00	0.00	-0.58	0.00	-0.15	0.00	0.00	45	0.00	0.00	0.61	0.00	0.34	0.00	0.00
1	45	0.00	0.00	0.52	0.00	-0.36	0.00	-0.01	46	0.00	0.00	-0.58	0.00	0.20	0.00	0.01
1	46	0.00	0.00	-1.28	0.00	0.02	0.00	0.02	47	0.00	0.00	1.23	0.00	0.34	0.00	-0.02
1	47	0.00	0.00	0.40	0.00	-0.31	0.00	0.00	48	0.00	0.00	-0.45	0.00	0.19	0.00	0.00
1	48	0.00	0.00	-0.97	0.00	-0.03	0.00	0.01	49	0.00	0.00	0.92	0.00	0.30	0.00	-0.01
1	49	0.00	0.00	0.29	0.00	-0.33	0.00	-0.01	50	0.00	0.00	-0.35	0.00	0.23	0.00	0.01
21	0.00	0.00	0.77	0.00	0.17	0.00	-0.01	22	0.00	0.00	1.40	0.00	0.53	0.00	0.00	
22	0.00	0.00	1.63	0.00	-0.55	0.00	0.02	23	0.00	0.00	0.34	0.00	-0.79	0.00	-0.03	
23	0.00	0.00	0.19	0.00	-0.79	0.00	-0.03	24	0.00	0.00	1.72	0.00	0.83	0.00	0.01	
24	0.00	0.00	1.72	0.00	-0.83	0.00	0.01	25	0.00	0.00	0.20	0.00	-0.78	0.00	-0.02	
25	0.00	0.00	0.26	0.00	0.82	0.00	-0.05	26	0.00	0.00	1.76	0.00	0.72	0.00	0.04	
26	0.00	0.00	-0.72	0.00	-0.60	0.00	-0.02	27	0.00	0.00	-0.58	0.00	0.74	0.00	0.04	
27	0.00	0.00	0.23	0.00	-0.71	0.00	0.01	28	0.00	0.00	-0.36	0.00	0.12	0.00	0.01	
28	0.00	0.00	-0.34	0.00	-0.14	0.00	0.01	29	0.00	0.00	0.08	0.00	0.60	0.00	0.02	
29	0.00	0.00	-0.03	0.00	-0.60	0.00	0.02	30	0.00	0.00	-0.27	0.00	0.34	0.00	0.01	
30	0.00	0.00	-0.31	0.00	-0.34	0.00	0.01	31	0.00	0.00	0.02	0.00	0.69	0.00	0.02	
31	0.00	0.00	0.00	0.00	-0.68	0.00	0.02	32	0.00	0.00	-0.28	0.00	0.38	0.00	0.01	
32	0.00	0.00	-0.27	0.00	-0.38	0.00	0.01	33	0.00	0.00	-0.03	0.00	0.64	0.00	0.02	
33	0.00	0.00	0.06	0.00	-0.65	0.00	0.02	34	0.00	0.00	-0.36	0.00	0.19	0.00	0.01	
34	0.00	0.00	-0.28	0.00	-0.18	0.00	0.01	35	0.00	0.00	0.05	0.00	0.52	0.00	0.02	
35	0.00	0.00	0.00	0.00	-0.53	0.00	0.04	20	0.00	0.00	-0.05	0.00	0.45	0.00	-0.02	
18	0.00	0.00	-1.16	0.00	-0.14	0.00	0.00	19	0.00	0.00	-1.06	0.00	0.29	0.00	-0.01	
13	0.00	0.00	-0.99	0.00	0.30	0.00	0.00	31	0.00	0.00	-0.02	0.00	0.31	0.00	0.00	
11	0.00	0.00	-0.95	0.00	0.29	0.00	0.00	29	0.00	0.00	-0.05	0.00	0.28	0.00	0.00	
9	0.00	0.00	-1.00	0.00	0.60	0.00	0.04	27	0.00	0.00	0.35	0.00	0.33	0.00	-0.03	
7	0.00	0.00	0.13	0.00	-0.01	0.00	0.04	25	0.00	0.00	-0.45	0.00	-0.37	0.00	-0.04	
5	0.00	0.00	0.28	0.00	-0.17	0.00	0.00	23	0.00	0.00	-0.53	0.00	-0.37	0.00	0.00	
3	0.00	0.00	0.05	0.00	0.06	0.00	-0.04	21	0.00	0.00	-0.10	0.00	-0.12	0.00	0.04	
17	0.00	0.00	-0.79	0.00	0.19	0.00	-0.02	35	0.00	0.00	-0.05	0.00	0.26	0.00	0.00	
15	0.00	0.00	-0.98	0.00	0.30	0.00	0.00	33	0.00	0.00	-0.04	0.00	0.30	0.00	0.00	
2	4.25	0.00	-0.13	0.31	0.20	-0.04	0.00	2	0.00	0.00	0.13	-0.31	0.29	-0.05	0.00	
4	4.25	-0.01	-0.03	0.43	0.06	-0.02	0.00	0.01	0.03	-0.43	0.07	-0.01	0.00	-0.01	0.00	
4	4.25	0.00	-0.03	0.21	0.04	0.00	0.00	0.02	0.03	-0.21	0.06	-0.01	0.00	-0.01	0.00	
5	4.25	-0.02	-0.02	0.30	0.03	-0.02	0.00	0.00	0.02	-0.30	0.03	-0.04	0.00	-0.04	0.00	
6	4.25	-0.02	0.00	0.22	0.00	-0.02	0.00	0.00	0.00	-0.22	0.00	-0.02	0.00	-0.05	0.00	
7	4.25	-0.03	0.01	0.35	-0.01	-0.05	0.00	7	0.00	0.03	-0.01	-0.35	-0.02	-0.06	0.00	
8	4.25	0.01	-0.03	0.33	0.05	0.02	0.00	8	0.00	-0.01	0.03	-0.33	0.05	0.03	0.00	
9	4.25	0.07	0.00	0.37	-0.02	0.08	0.00	9	0.00	-0.07	0.00	-0.37	0.03	0.19	0.00	
10	4.25	0.04	0.05	0.15	-0.07	-0.01	0.00	10	0.00	-0.04	-0.05	-0.15	-0.11	0.18	0.00	
11	4.25	-0.03	-0.09	0.27	0.15	0.04	0.00	11	0.00	0.03	0.09	-0.27	0.17	-0.15	0.00	
12	4.25	-0.02	-0.06	0.33	0.10	0.06	0.00	12	0.00	0.02	0.06	-0.33	0.12	-0.13	0.00	
13	4.25	-0.02	-0.01	0.31	0.01	0.05	0.00	13	0.00	0.02	0.01	-0.31	0.02	-0.12	0.00	
14	4.25	-0.02	0.05	0.34	-0.09	0.06	0.00	14	0.00	0.02	-0.05	-0.34	-0.10	-0.12	0.00	
15	4.25	-0.02	0.10	0.29	-0.17	0.05	0.00	15	0.00	0.02	-0.10	-0.29	-0.20	-0.13	0.00	
16	4.25	-0.03	0.11	0.27	-0.20	0.04	0.00	16	0.00	0.03	-0.11	-0.27	-0.24	-0.16	0.00	
17	4.25	-0.05	0.01	0.02	0.00	-0.02	0.00	17	0.00	0.05	-0.01	-0.02	-0.04	-0.19	0.00	
18	4.25	0.00	0.00	0.04	-0.03	0.00	0.00	18	0.00	0.00	0.00	-0.04	0.03	-0.02	0.00	
19	4.25	0.00	-0.03	0.03	-0.02	0.00	0.00	19	0.00	0.00	0.03	-0.03	0.13	0.02	0.00	
16	4.25	0.00	0.12	-1.39	-0.08	0.00	0.00	17	4.25	0.00	-0.09	1.39	-0.17	0.00	0.00	
17	4.25	0.00	-0.10	-1.38	0.16	0.00	0.00	2	4.25	0.00	0.13	1.38	0.11	0.00	0.00	
2	4.25	0.00	-0.06	-1.51	0.09	0.00	0.00	3	4.25	0.00	0.10	1.51	0.10	0.01	0.00	
3	4.25	0.00	0.08	-1.51	-0.11	-0.01	0.00	4	4.25	0.00	-0.05	1.51	-0.05	0.00	0.00	
4	4.25	0.00	0.01	-1.49	0.01	0.00	0.00	5	4.25	0.00	0.02	1.49	0.00	0.00	0.00	
5	4.25	0.00	0													

36	5.50	-0.09	-0.01	1.48	-0.03	-0.03	0.00	37	5.50	0.09	0.01	-1.48	0.03	-0.02	0.00
37	5.50	-0.04	-0.02	1.46	-0.03	0.02	0.00	38	5.50	0.04	0.02	-1.46	0.04	-0.04	0.00
38	5.50	-0.01	0.01	1.45	-0.04	0.04	-0.01	39	5.50	0.01	-0.01	-1.45	0.03	-0.05	0.01
39	5.50	0.02	-0.01	1.46	-0.03	0.05	0.01	40	5.50	-0.02	0.01	-1.46	0.04	-0.03	-0.01
40	5.50	0.04	0.02	1.47	-0.04	0.03	-0.01	41	5.50	-0.04	-0.02	-1.47	0.03	-0.01	0.01
41	5.50	0.08	0.00	1.50	-0.03	0.01	0.00	42	5.50	-0.08	0.00	-1.50	0.03	0.04	0.00
42	5.50	0.04	0.02	1.52	-0.02	-0.04	-0.01	43	5.50	-0.04	-0.02	-1.52	0.01	0.06	0.01
43	5.50	-0.03	-0.02	1.53	-0.01	-0.06	0.00	44	5.50	0.03	0.02	-1.53	0.02	0.05	0.00
44	5.50	-0.08	0.00	1.50	-0.02	-0.05	0.02	45	5.50	0.08	0.00	-1.50	0.02	0.00	-0.02
45	5.50	-0.08	-0.03	1.47	-0.03	0.00	0.01	46	5.50	0.08	0.03	-1.47	0.04	-0.04	-0.01
46	5.50	-0.03	0.01	1.45	-0.04	0.04	0.00	47	5.50	0.03	-0.01	-1.45	0.04	-0.06	0.00
47	5.50	0.03	-0.01	1.44	-0.04	0.06	-0.01	48	5.50	-0.03	0.01	-1.44	0.04	-0.05	0.01
48	5.50	0.08	0.03	1.46	-0.04	0.05	-0.01	49	5.50	-0.08	-0.03	-1.46	0.02	0.00	0.01
49	5.50	0.09	0.01	1.49	-0.02	0.00	-0.02	50	5.50	-0.09	-0.01	-1.49	0.02	0.05	0.02
50	5.50	0.04	0.02	1.51	-0.01	-0.05	0.02	51	5.50	-0.04	-0.02	-1.51	0.01	0.07	-0.02
51	5.50	-0.07	-0.03	1.51	-0.01	-0.07	0.01	36	5.50	0.07	0.03	-1.51	0.03	0.03	-0.01
37	6.50	0.00	0.00	0.04	0.00	0.00	0.00	37	5.50	0.00	0.00	-0.04	0.00	0.00	0.00
39	6.50	0.00	0.00	0.04	0.00	0.00	0.00	39	5.50	0.00	0.00	-0.04	0.00	0.00	0.00
41	6.50	0.00	0.00	0.04	0.00	0.00	0.00	41	5.50	0.00	0.00	-0.04	0.00	0.00	0.00
43	6.50	0.00	0.00	0.04	0.00	0.00	0.00	43	5.50	0.00	0.00	-0.04	0.00	0.00	0.00
45	6.50	0.00	0.00	0.04	0.00	0.00	0.00	45	5.50	0.00	0.00	-0.04	0.00	0.00	0.00
47	6.50	0.00	0.00	0.05	0.00	0.00	0.00	47	5.50	0.00	0.00	-0.05	0.00	0.00	0.00
49	6.50	0.00	0.00	0.04	0.00	0.00	0.00	49	5.50	0.00	0.00	-0.04	0.00	0.00	0.00
51	6.50	0.00	0.00	0.04	0.00	0.00	0.00	51	5.50	0.00	0.00	-0.04	0.00	0.00	0.00
1	6.80	0.00	0.00	0.01	0.00	0.00	0.00	43	6.50	0.00	0.02	-0.01	0.01	0.00	0.00
1	6.80	0.00	0.00	0.01	0.00	0.00	0.00	41	6.50	0.00	0.02	-0.02	0.01	0.00	0.00
1	6.80	0.00	0.00	0.01	0.00	0.00	0.00	39	6.50	0.00	0.02	-0.02	0.01	0.00	0.00
1	6.80	0.00	0.00	0.01	0.00	0.00	0.00	37	6.50	0.00	0.02	-0.02	0.01	0.00	0.00
1	6.80	0.00	0.00	0.01	0.00	0.00	0.00	51	6.50	0.00	0.02	-0.01	0.01	0.00	0.00
1	6.80	0.00	0.00	0.01	0.00	0.00	0.00	49	6.50	0.00	0.02	-0.01	0.01	0.00	0.00
1	6.80	0.00	0.00	0.02	0.00	0.00	0.00	47	6.50	0.00	0.02	-0.02	0.01	0.00	0.00
1	6.80	0.00	0.00	0.01	0.00	0.00	0.00	45	6.50	0.00	0.02	-0.02	0.01	0.00	0.00
43	6.50	0.00	0.00	-0.01	0.00	0.00	0.00	44	6.50	0.00	0.00	0.01	0.00	0.00	0.00
44	6.50	0.00	0.00	-0.01	0.00	0.00	0.00	45	6.50	0.00	0.00	0.01	0.00	0.00	0.00
45	6.50	0.00	0.00	-0.02	0.00	0.00	0.00	46	6.50	0.00	0.00	0.02	0.00	0.00	0.00
46	6.50	0.00	0.00	-0.02	0.00	0.00	0.00	47	6.50	0.00	0.00	0.02	0.00	0.00	0.00
47	6.50	0.00	0.00	-0.01	0.00	0.00	0.00	48	6.50	0.00	0.00	0.01	0.00	0.00	0.00
48	6.50	0.00	0.00	-0.01	0.00	0.00	0.00	49	6.50	0.00	0.00	0.01	0.00	0.00	0.00
49	6.50	0.00	0.00	-0.01	0.00	0.00	0.00	50	6.50	0.00	0.00	0.01	0.00	0.00	0.00
50	6.50	0.00	0.00	-0.01	0.00	0.00	0.00	51	6.50	0.00	0.00	0.01	0.00	0.00	0.00
51	6.50	0.00	0.00	-0.01	0.00	0.00	0.00	36	6.50	0.00	0.00	0.01	0.00	0.00	0.00
36	6.50	0.00	0.00	-0.01	0.00	0.00	0.00	37	6.50	0.00	0.00	0.01	0.00	0.00	0.00
37	6.50	0.00	0.00	-0.02	0.00	0.00	0.00	38	6.50	0.00	0.00	0.02	0.00	0.00	0.00
38	6.50	0.00	0.00	-0.02	0.00	0.00	0.00	39	6.50	0.00	0.00	0.02	0.00	0.00	0.00
39	6.50	0.00	0.00	-0.02	0.00	0.00	0.00	40	6.50	0.00	0.00	0.02	0.00	0.00	0.00
40	6.50	0.00	0.00	-0.02	0.00	0.00	0.00	41	6.50	0.00	0.00	0.02	0.00	0.00	0.00
41	6.50	0.00	0.00	-0.01	0.00	0.00	0.00	42	6.50	0.00	0.00	0.01	0.00	0.00	0.00
42	6.50	0.00	0.00	-0.01	0.00	0.00	0.00	43	6.50	0.00	0.00	0.01	0.00	0.00	0.00
45	6.50	0.00	0.02	0.00	-0.01	0.00	0.00	61	6.35	0.00	0.00	0.00	0.00	0.00	0.00
43	6.50	0.00	0.02	0.00	-0.01	0.00	0.00	59	6.35	0.00	0.00	0.00	0.00	0.00	0.00
41	6.50	0.00	0.02	0.00	-0.01	0.00	0.00	57	6.35	0.00	0.00	0.00	0.00	0.00	0.00
39	6.50	0.00	0.02	0.00	-0.01	0.00	0.00	55	6.35	0.00	0.00	0.00	0.00	0.00	0.00
37	6.50	0.00	0.02	0.00	-0.01	0.00	0.00	53	6.35	0.00	0.00	0.00	0.00	0.00	0.00
51	6.50	0.00	0.02	0.00	-0.01	0.00	0.00	67	6.35	0.00	0.00	0.00	0.00	0.00	0.00
49	6.50	0.00	0.02	0.00	-0.01	0.00	0.00	65	6.35	0.00	0.00	0.00	0.00	0.00	0.00
47	6.50	0.00	0.02	0.00	-0.01	0.00	0.00	63	6.35	0.00	0.00	0.00	0.00	0.00	0.00
36	0.00	0.00	0.19	0.00	-0.39	0.00	0.00	1	0.00	0.00	-0.41	0.00	0.16	0.00	0.00
1	0.00	0.00	-0.94	0.00	-0.10	0.00	0.00	40	0.00	0.00	0.66	0.00	0.70	0.00	0.00
48	0.00	0.00	0.15	0.00	-0.50	0.00	0.00	1	0.00	0.00	-0.34	0.00	0.31	0.00	0.00
1	0.00	0.00	-0.71	0.00	0.02	0.00	0.00	44	0.00	0.00	0.51	0.00	0.44	0.00	0.00
50	0.00	0.00	-0.40	0.00	-0.26	0.00	0.01	51	0.00	0.00	0.33	0.00	0.37	0.00	-0.01
51	0.00	0.00	0.46	0.00	-0.35	0.00	0.00	36	0.00	0.00	-0.53	0.00	0.20	0.00	0.01
36	0.00	0.00	-0.14	0.00	-0.30	0.00	0.00	37	0.00	0.00	-0.05	0.00	0.33	0.00	0.00
37	0.00	0.00	1.21	0.00	-0.34	0.00	-0.02	38	0.00	0.00	-1.30	0.00	-0.33	0.00	0.02
38	0.00	0.00	-0.56	0.00	-0.17	0.00	0.01	39	0.00	0.00	0.46	0.00	0.31	0.00	-0.01
39	0.00	0.00	1.02	0.00	-0.28	0.00	-0.01	40	0.00	0.00	-1.12	0.00	-0.03	0.00	0.01
40	0.00	0.00	-0.52	0.00	-0.18	0.00	0.01	41	0.00	0.00	-0.43	0.00	0.32	0.00	-0.01
41	0.00	0.00	0.75	0.00	-0.35	0.00	-0.01	42	0.00	0.00	-0.83	0.00	0.12	0.00	0.01
42	0.00	0.00	-0.31	0.00	-0.28	0.00	0.01	43	0.00	0.00	0.23	0.00	0.36	0.00	-0.01
43	0.00	0.00	0.56	0.00	-0.35	0.00	-0.01	44	0.00	0.00	-0.62	0.00	0.18	0.00	0.01
44	0.00	0.00	-0.23	0.00	-0.28	0.00	0.00	45	0.00	0.00	0.17	0.00	0.33	0.00	0.00
45	0.00	0.00	1.20	0.00	-0.36	0.00	-0.02	46	0.00	0.00	-1.25	0.00	0.00	0.00	0.02
46	0.00	0.00	-0.54	0.00	-0.17	0.00	0.01	47	0.00	0.00	0.48	0.00	0.32	0.00	-0.01
47	0.00	0.00	0.95	0.00	-0.30	0.00	-0.01	48	0.00	0.00	-1.00	0.00	0.01	0.00	0.01
48	0.00	0.00	-0.47	0.00	-0.20	0.00	0.01	49	0.00	0.00	0.41	0.00	0.33	0.00	-0.01
49	0.00	0.00	0.94	0.00	-0.36	0.00	-0.01	50	0.00	0.00	-1.00	0.00	0.07	0.00	0.01

CARATT. Var.Scuole: ASTE

Tra	Filo	Alt.	Tx	Ty	N	Mx	My	Mt	Filo	Alt.	Tx	Ty	N	Mx	My	Mt
tto	In.	(m)	(kN*10)	(kN*10)	(kN*10)	kN*m*10	kN*m*10	kN*m*10	N.ro	(m)	(kN*10)	(kN*10)	(kN*10)	kN*m*10	kN*m*10	kN*m*10
1	2	0.00	0.00	0.73	0.00	-0.14	0.00	0.00	20	0.00	0.00	0.39	0.00	-0.08	0.00	0.00
	36	0.00	0.00	0.12	0.00	-0.29	0.00	0.00	1	0.00	0.00	-0.60	0.00	0.02	0.00	0.00
	44	0.00	0.00	1.19	0.00	-0.59	0.00	0.00	28	0.00	0.00	1.06	0.00	0.26	0.00	0.00
	28	0.00	0.00	0.49	0.00	-0.02	0.00	-0.01	10	0.00	0.00	0.58	0.00	0.07	0.00	0.01
	14	0.00	0.00	0.72	0.00	-0.12	0.00	0.00	32	0.00	0.00	0.40	0.00	-0.08	0.00	0.00
1	32	0.00	0.00	1.04	0.00	-0.15	0.00	0.00	48	0.00	0.00	1.20	0.00	0.56	0.00	0.00
	1	0.00	0.00	-0.46	0.											

8	0.00	0.00	-0.54	0.00	0.44	0.00	0.00	9	0.00	0.00	-0.52	0.00	-0.42	0.00	0.00
9	0.00	0.00	-0.56	0.00	0.35	0.00	0.01	10	0.00	0.00	-0.31	0.00	-0.10	0.00	-0.01
10	0.00	0.00	-0.33	0.00	0.16	0.00	0.00	11	0.00	0.00	-0.38	0.00	-0.22	0.00	-0.01
11	0.00	0.00	-0.30	0.00	0.23	0.00	0.00	12	0.00	0.00	-0.38	0.00	-0.32	0.00	-0.01
12	0.00	0.00	-0.35	0.00	0.30	0.00	-0.01	13	0.00	0.00	-0.33	0.00	-0.29	0.00	0.00
13	0.00	0.00	-0.33	0.00	0.28	0.00	0.00	14	0.00	0.00	-0.36	0.00	-0.31	0.00	-0.01
14	0.00	0.00	-0.36	0.00	0.31	0.00	-0.01	15	0.00	0.00	-0.33	0.00	-0.27	0.00	0.00
15	0.00	0.00	-0.33	0.00	0.28	0.00	0.00	16	0.00	0.00	-0.35	0.00	-0.30	0.00	-0.01
16	0.00	0.00	-0.36	0.00	0.31	0.00	-0.01	17	0.00	0.00	-0.33	0.00	-0.28	0.00	0.00
17	0.00	0.00	-0.33	0.00	0.29	0.00	0.00	2	0.00	0.00	-0.36	0.00	-0.32	0.00	-0.01
20	0.00	0.00	-0.71	0.00	0.57	0.00	-0.01	21	0.00	0.00	-0.25	0.00	-0.08	0.00	0.00
50	0.00	0.00	-0.85	0.00	-0.02	0.00	0.01	51	0.00	0.00	0.70	0.00	0.24	0.00	-0.01
51	0.00	0.00	0.10	0.00	-0.25	0.00	0.00	36	0.00	0.00	-0.26	0.00	0.20	0.00	0.00
36	0.00	0.00	-0.67	0.00	-0.07	0.00	0.01	37	0.00	0.00	0.51	0.00	0.24	0.00	0.00
37	0.00	0.00	0.22	0.00	-0.25	0.00	-0.01	38	0.00	0.00	-0.37	0.00	0.16	0.00	0.01
38	0.00	0.00	-0.89	0.00	0.00	0.00	0.01	39	0.00	0.00	0.73	0.00	0.24	0.00	-0.01
39	0.00	0.00	0.14	0.00	-0.24	0.00	0.00	40	0.00	0.00	-0.29	0.00	0.18	0.00	0.00
40	0.00	0.00	-0.72	0.00	-0.05	0.00	0.01	41	0.00	0.00	0.57	0.00	0.24	0.00	-0.01
41	0.00	0.00	0.16	0.00	-0.25	0.00	0.00	42	0.00	0.00	-0.31	0.00	0.18	0.00	0.00
42	0.00	0.00	-0.79	0.00	-0.04	0.00	0.01	43	0.00	0.00	0.64	0.00	0.25	0.00	-0.01
43	0.00	0.00	0.13	0.00	-0.25	0.00	0.00	44	0.00	0.00	-0.27	0.00	0.19	0.00	0.00
44	0.00	0.00	-0.70	0.00	-0.06	0.00	0.01	45	0.00	0.00	0.55	0.00	0.24	0.00	0.00
45	0.00	0.00	0.23	0.00	-0.25	0.00	-0.01	46	0.00	0.00	-0.38	0.00	0.16	0.00	0.01
46	0.00	0.00	-0.91	0.00	0.00	0.00	0.01	47	0.00	0.00	0.76	0.00	0.24	0.00	-0.01
47	0.00	0.00	0.11	0.00	-0.24	0.00	0.00	48	0.00	0.00	-0.26	0.00	0.19	0.00	0.00
48	0.00	0.00	-0.68	0.00	-0.06	0.00	0.01	49	0.00	0.00	0.53	0.00	0.24	0.00	-0.01
49	0.00	0.00	0.19	0.00	-0.25	0.00	0.00	50	0.00	0.00	-0.34	0.00	0.17	0.00	0.01
21	0.00	0.00	-0.24	0.00	0.08	0.00	0.00	22	0.00	0.00	-0.72	0.00	-0.59	0.00	-0.01
22	0.00	0.00	-0.71	0.00	-0.59	0.00	-0.01	23	0.00	0.00	-0.23	0.00	-0.08	0.00	0.00
23	0.00	0.00	-0.25	0.00	0.08	0.00	0.00	24	0.00	0.00	-0.69	0.00	-0.54	0.00	-0.01
24	0.00	0.00	-0.71	0.00	0.54	0.00	-0.01	25	0.00	0.00	-0.65	0.00	-0.05	0.00	0.00
25	0.00	0.00	0.25	0.00	-0.06	0.00	-0.01	26	0.00	0.00	-0.73	0.00	-0.56	0.00	0.00
26	0.00	0.00	-0.82	0.00	0.58	0.00	-0.01	27	0.00	0.00	-0.16	0.00	0.12	0.00	0.00
27	0.00	0.00	-0.15	0.00	-0.13	0.00	0.01	28	0.00	0.00	-0.82	0.00	-0.59	0.00	-0.01
28	0.00	0.00	-0.73	0.00	0.57	0.00	0.00	29	0.00	0.00	-0.24	0.00	-0.06	0.00	-0.01
29	0.00	0.00	-0.23	0.00	0.06	0.00	0.00	30	0.00	0.00	-0.72	0.00	-0.57	0.00	-0.01
30	0.00	0.00	-0.72	0.00	0.57	0.00	-0.01	31	0.00	0.00	-0.23	0.00	-0.06	0.00	0.00
31	0.00	0.00	-0.23	0.00	0.06	0.00	0.00	32	0.00	0.00	-0.72	0.00	-0.57	0.00	-0.01
32	0.00	0.00	-0.72	0.00	0.57	0.00	-0.01	33	0.00	0.00	-0.23	0.00	-0.06	0.00	0.00
33	0.00	0.00	-0.23	0.00	0.06	0.00	0.00	34	0.00	0.00	-0.73	0.00	-0.59	0.00	-0.01
34	0.00	0.00	-0.73	0.00	0.59	0.00	-0.01	35	0.00	0.00	-0.23	0.00	-0.05	0.00	0.00
35	0.00	0.00	-0.23	0.00	0.06	0.00	0.00	20	0.00	0.00	-0.72	0.00	-0.57	0.00	-0.01
18	0.00	0.00	-0.42	0.00	-0.05	0.00	0.00	19	0.00	0.00	-0.38	0.00	0.09	0.00	0.00
13	0.00	0.00	0.67	0.00	-0.10	0.00	0.00	31	0.00	0.00	0.46	0.00	-0.03	0.00	0.00
11	0.00	0.00	0.66	0.00	-0.09	0.00	0.00	29	0.00	0.00	0.47	0.00	-0.03	0.00	0.00
9	0.00	0.00	0.70	0.00	-0.35	0.00	-0.01	27	0.00	0.00	0.31	0.00	0.06	0.00	0.01
7	0.00	0.00	0.60	0.00	-0.01	0.00	0.01	25	0.00	0.00	0.50	0.00	-0.03	0.00	-0.01
5	0.00	0.00	0.68	0.00	-0.07	0.00	0.00	23	0.00	0.00	0.49	0.00	-0.04	0.00	0.00
3	0.00	0.00	0.66	0.00	-0.06	0.00	0.00	21	0.00	0.00	0.49	0.00	-0.04	0.00	0.00
17	0.00	0.00	0.67	0.00	-0.11	0.00	0.00	35	0.00	0.00	0.46	0.00	-0.03	0.00	0.00
15	0.00	0.00	0.67	0.00	-0.10	0.00	0.00	33	0.00	0.00	0.46	0.00	-0.03	0.00	0.00
2	4.25	0.02	-0.01	0.01	0.01	0.00	0.00	2	0.00	-0.02	0.01	-0.01	0.02	0.07	0.00
3	4.25	0.00	-0.01	0.00	0.00	0.00	0.00	3	0.00	0.00	0.01	0.00	0.02	-0.01	0.00
4	4.25	-0.01	-0.01	0.00	0.00	0.00	0.00	4	0.00	0.01	0.01	0.00	0.02	-0.02	0.00
5	4.25	-0.01	0.00	0.00	0.00	0.00	0.00	5	0.00	0.01	0.00	0.00	0.01	-0.02	0.00
6	4.25	-0.01	-0.01	0.01	0.01	-0.01	0.00	6	0.00	0.01	0.01	-0.01	0.01	-0.03	0.00
7	4.25	-0.01	-0.01	0.03	0.02	-0.02	0.00	7	0.00	0.01	0.01	-0.03	0.02	-0.03	0.00
8	4.25	-0.01	-0.01	-0.05	0.02	-0.02	0.00	8	0.00	0.01	0.01	0.05	0.02	-0.02	0.00
9	4.25	0.00	0.02	-0.07	-0.03	0.00	0.00	9	0.00	0.00	-0.02	0.07	-0.04	0.00	0.00
10	4.25	-0.02	0.03	0.05	-0.05	-0.01	0.00	10	0.00	0.02	-0.03	-0.05	-0.05	-0.05	0.00
11	4.25	0.01	0.00	0.01	-0.01	0.00	0.00	11	0.00	-0.01	0.00	-0.01	-0.01	0.05	0.00
12	4.25	0.01	0.01	-0.00	-0.02	0.00	0.00	12	0.00	-0.01	-0.01	-0.01	-0.02	0.06	0.00
13	4.25	0.01	0.00	-0.01	-0.01	0.00	0.00	13	0.00	-0.01	0.00	0.01	-0.01	0.05	0.00
14	4.25	0.01	0.00	-0.01	0.00	0.00	0.00	14	0.00	-0.01	0.00	0.00	0.00	0.06	0.00
15	4.25	0.01	0.00	-0.01	0.01	0.00	0.00	15	0.00	-0.01	0.00	0.00	0.01	0.05	0.00
16	4.25	0.02	0.00	0.01	0.01	0.00	0.00	16	0.00	-0.02	0.00	-0.01	0.01	0.06	0.00
17	4.25	0.01	-0.01	-0.01	0.01	0.00	0.00	17	0.00	-0.01	0.01	-0.01	0.01	0.06	0.00
18	4.25	0.00	-0.02	0.01	0.02	0.00	0.00	18	0.00	0.00	0.02	-0.01	0.07	0.00	0.00
19	4.25	0.00	-0.03	0.01	0.02	0.00	0.00	19	0.00	0.00	0.03	-0.01	0.08	0.01	0.00
16	4.25	0.00	0.00	0.03	-0.01	0.00	0.00	17	4.25	0.00	0.00	-0.03	0.01	0.00	0.00
17	4.25	0.00	-0.01	0.03	-0.00	0.00	0.00	2	4.25	0.00	0.01	-0.03	0.02	0.00	0.00
2	4.25	0.00	0.00	0.02	-0.01	0.00	0.00	3	4.25	0.00	0.00	-0.02	0.01	0.00	0.00
3	4.25	0.00	0.00	0.02	-0.01	0.00	0.00	4	4.25	0.00	0.00	-0.02	0.01	0.00	0.00
4	4.25	0.00	0.00	0.02	-0.01	0.00	0.00	5	4.25	0.00	0.00	-0.02	0.01	0.00	0.00
5	4.25	0.00	0.00	0.02	-0.01	0.00	0.00	6	4.25	0.00	0.00	-0.02	0.02	0.00	0.00
6	4.25	0.00	0.01	0.03	-0.03	0.00	0.00	7	4.25	0.00	-0.01	-0.03	0.01	0.00	0.00
7	4.25	0.00	0.04	0.04	-0.04	0.00	0.00	8	4.25	0.00	-0.04	-0.04	-0.05	0.00	0.00
8	4.25	0.00	-0.01	0.02	0.02	0.00	0.00	18	4.25	0.00	0.01	-0.02	0.02	0.00	0.00
8	4.25	0.00	0.00	0.05	0.03	0.00	0.00	9	4.25	0.00	0.00	-0.05	-0.02	0.00	0.00
9	4.25	0.00	-0.01	0.03	0.02	-0.01	0.00	19	4.25	0.00	0.01	-0.03	0.03	0.00	0.00
9	4.25	0.00	-0.05	0.05	0.06	0.01	0.00	10	4.25	0.00	0.05	-0.05	0.06	0.00	0.00
10	4.25	0.00	0.00	0.02	-0.01	0.00	0.00	11	4.25	0.00	0.00	-0.02	0.01	0.00	0.00
11	4.25	0.00	0.01	0.03	-0.02	0.00	0.00	12	4.25	0.00	-0.01	-0.03	0.00	0.00	0.00
12	4.25	0.00	0.01	0.04	-0.02	0.00	0.00	13	4.25	0.00	-0.01	-0.04	0.00	0.00	0.00
13	4.25	0.00	0.00	0.04	-0.01	0.00	0.00	14	4.25	0.00	0.00	-0.04	0.01	0.00	0.00
14	4.25	0.00	0.00	0.04	-0.01	0.00									







45	6.50	0.00	0.00	0.00	0.00	0.00	0.00	45	5.50	0.00	0.00	0.00	0.00	0.00	0.00
47	6.50	0.00	0.00	0.00	0.00	0.00	0.00	47	5.50	0.00	0.00	0.00	0.00	0.00	0.00
49	6.50	0.00	0.00	0.00	0.00	0.00	0.00	49	5.50	0.00	0.00	0.00	0.00	0.00	0.00
51	6.50	0.00	0.00	0.00	0.00	0.00	0.00	51	5.50	0.00	0.00	0.00	0.00	0.00	0.00
1	6.80	0.00	0.00	0.00	0.00	0.00	0.00	43	6.50	0.00	0.00	0.00	0.00	0.00	0.00
1	6.80	0.00	0.00	0.00	0.00	0.00	0.00	41	6.50	0.00	0.00	0.00	0.00	0.00	0.00
1	6.80	0.00	0.00	0.00	0.00	0.00	0.00	39	6.50	0.00	0.00	0.00	0.00	0.00	0.00
1	6.80	0.00	0.00	0.00	0.00	0.00	0.00	37	6.50	0.00	0.00	0.00	0.00	0.00	0.00
1	6.80	0.00	0.00	0.00	0.00	0.00	0.00	51	6.50	0.00	0.00	0.00	0.00	0.00	0.00
1	6.80	0.00	0.00	0.00	0.00	0.00	0.00	49	6.50	0.00	0.00	0.00	0.00	0.00	0.00
1	6.80	0.00	0.00	0.00	0.00	0.00	0.00	47	6.50	0.00	0.00	0.00	0.00	0.00	0.00
1	6.80	0.00	0.00	0.00	0.00	0.00	0.00	45	6.50	0.00	0.00	0.00	0.00	0.00	0.00
43	6.50	0.00	0.00	0.00	0.00	0.00	0.00	44	6.50	0.00	0.00	0.00	0.00	0.00	0.00
44	6.50	0.00	0.00	0.00	0.00	0.00	0.00	45	6.50	0.00	0.00	0.00	0.00	0.00	0.00
45	6.50	0.00	0.00	0.00	0.00	0.00	0.00	46	6.50	0.00	0.00	0.00	0.00	0.00	0.00
46	6.50	0.00	0.00	0.00	0.00	0.00	0.00	47	6.50	0.00	0.00	0.00	0.00	0.00	0.00
47	6.50	0.00	0.00	0.00	0.00	0.00	0.00	48	6.50	0.00	0.00	0.00	0.00	0.00	0.00
48	6.50	0.00	0.00	0.00	0.00	0.00	0.00	49	6.50	0.00	0.00	0.00	0.00	0.00	0.00
49	6.50	0.00	0.00	0.00	0.00	0.00	0.00	50	6.50	0.00	0.00	0.00	0.00	0.00	0.00
50	6.50	0.00	0.00	0.00	0.00	0.00	0.00	51	6.50	0.00	0.00	0.00	0.00	0.00	0.00
51	6.50	0.00	0.00	0.00	0.00	0.00	0.00	36	6.50	0.00	0.00	0.00	0.00	0.00	0.00
36	6.50	0.00	0.00	0.00	0.00	0.00	0.00	37	6.50	0.00	0.00	0.00	0.00	0.00	0.00
37	6.50	0.00	0.00	0.00	0.00	0.00	0.00	38	6.50	0.00	0.00	0.00	0.00	0.00	0.00
38	6.50	0.00	0.00	0.00	0.00	0.00	0.00	39	6.50	0.00	0.00	0.00	0.00	0.00	0.00
39	6.50	0.00	0.00	0.00	0.00	0.00	0.00	40	6.50	0.00	0.00	0.00	0.00	0.00	0.00
40	6.50	0.00	0.00	0.00	0.00	0.00	0.00	41	6.50	0.00	0.00	0.00	0.00	0.00	0.00
41	6.50	0.00	0.00	0.00	0.00	0.00	0.00	42	6.50	0.00	0.00	0.00	0.00	0.00	0.00
42	6.50	0.00	0.00	0.00	0.00	0.00	0.00	43	6.50	0.00	0.00	0.00	0.00	0.00	0.00
45	6.50	0.00	0.00	0.00	0.00	0.00	0.00	61	6.35	0.00	0.00	0.00	0.00	0.00	0.00
43	6.50	0.00	0.00	0.00	0.00	0.00	0.00	59	6.35	0.00	0.00	0.00	0.00	0.00	0.00
41	6.50	0.00	0.00	0.00	0.00	0.00	0.00	57	6.35	0.00	0.00	0.00	0.00	0.00	0.00
39	6.50	0.00	0.00	0.00	0.00	0.00	0.00	55	6.35	0.00	0.00	0.00	0.00	0.00	0.00
37	6.50	0.00	0.00	0.00	0.00	0.00	0.00	53	6.35	0.00	0.00	0.00	0.00	0.00	0.00
51	6.50	0.00	0.00	0.00	0.00	0.00	0.00	67	6.35	0.00	0.00	0.00	0.00	0.00	0.00
49	6.50	0.00	0.00	0.00	0.00	0.00	0.00	65	6.35	0.00	0.00	0.00	0.00	0.00	0.00
47	6.50	0.00	0.00	0.00	0.00	0.00	0.00	63	6.35	0.00	0.00	0.00	0.00	0.00	0.00
2	36	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	0.00	0.00	0.00	0.00	0.00	0.00	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	48	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	0.00	0.00	0.00	0.00	0.00	0.00	44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	50	0.00	0.00	0.00	0.00	0.00	0.00	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	51	0.00	0.00	0.00	0.00	0.00	0.00	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	36	0.00	0.00	0.00	0.00	0.00	0.00	37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	37	0.00	0.00	0.00	0.00	0.00	0.00	38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	38	0.00	0.00	0.00	0.00	0.00	0.00	39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	39	0.00	0.00	0.00	0.00	0.00	0.00	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	40	0.00	0.00	0.00	0.00	0.00	0.00	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	41	0.00	0.00	0.00	0.00	0.00	0.00	42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	42	0.00	0.00	0.00	0.00	0.00	0.00	43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	43	0.00	0.00	0.00	0.00	0.00	0.00	44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	44	0.00	0.00	0.00	0.00	0.00	0.00	45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	45	0.00	0.00	0.00	0.00	0.00	0.00	46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	46	0.00	0.00	0.00	0.00	0.00	0.00	47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	47	0.00	0.00	0.00	0.00	0.00	0.00	48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	48	0.00	0.00	0.00	0.00	0.00	0.00	49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	49	0.00	0.00	0.00	0.00	0.00	0.00	50	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**CARATT. Var.Vento: ASTE**

Tra	Filo	Alt.	Tx	Ty	N	Mx	My	Mt	Filo	Alt.	Tx	Ty	N	Mx	My	Mt
tto	In.	(m)	(kN*10)	(kN*10)	(kN*10)	kN*m*10	kN*m*10	kN*m*10	N.ro	(m)	(kN*10)	(kN*10)	(kN*10)	kN*m*10	kN*m*10	kN*m*10
1	2	0.00	0.00	-0.52	0.00	0.17	0.00	0.00	20	0.00	0.00	-0.34	0.00	-0.08	0.00	0.00
1	36	0.00	0.00	0.38	0.00	-0.31	0.00	0.00	1	0.00	0.00	-0.37	0.00	0.03	0.00	0.00
1	44	0.00	0.00	0.00	0.00	-0.53	0.00	0.00	28	0.00	0.00	-0.75	0.00	-0.34	0.00	0.00
1	28	0.00	0.00	-0.49	0.00	0.07	0.00	0.03	10	0.00	0.00	-0.40	0.00	0.05	0.00	-0.03
1	14	0.00	0.00	-0.65	0.00	0.04	0.00	0.00	32	0.00	0.00	-0.30	0.00	0.16	0.00	0.00
1	32	0.00	0.00	-0.65	0.00	0.07	0.00	0.00	48	0.00	0.00	-0.02	0.00	0.55	0.00	0.00
1	1	0.00	0.00	-0.12	0.00	-0.10	0.00	0.00	40	0.00	0.00	0.13	0.00	0.19	0.00	0.00
1	24	0.00	0.00	-0.33	0.00	-0.08	0.00	0.00	6	0.00	0.00	-0.59	0.00	-0.07	0.00	0.00
1	12	0.00	0.00	-0.69	0.00	0.02	0.00	0.00	30	0.00	0.00	-0.28	0.00	0.23	0.00	0.00
1	8	0.00	0.00	-0.66	0.00	1.11	0.00	-0.01	26	0.00	0.00	-0.12	0.00	-0.71	0.00	0.01
1	4	0.00	0.00	-0.57	0.00	0.09	0.00	0.00	22	0.00	0.00	-0.33	0.00	0.04	0.00	0.00
1	16	0.00	0.00	-0.59	0.00	0.08	0.00	-0.01	34	0.00	0.00	-0.33	0.00	0.06	0.00	0.01
1	34	0.00	0.00	-0.67	0.00	0.17	0.00	0.00	50	0.00	0.00	-0.02	0.00	0.50	0.00	0.00
1	22	0.00	0.00	-0.67	0.00	0.18	0.00	0.00	38	0.00	0.00	-0.04	0.00	0.46	0.00	0.00
1	26	0.00	0.00	-0.98	0.00	0.91	0.00	0.00	42	0.00	0.00	0.11	0.00	0.61	0.00	0.00
1	30	0.00	0.00	-0.61	0.00	-0.01	0.00	0.00	46	0.00	0.00	-0.08	0.00	0.44	0.00	0.00
1	9	0.00	0.00	-1.08	0.00	0.76	0.00	-0.01	19	0.00	0.00	-0.51	0.00	0.11	0.00	0.01
1	8	0.00	0.00	-1.06	0.00	0.89	0.00	0.02	18	0.00	0.00	-0.30	0.00	0.17	0.00	-0.02
1	48	0.00	0.00	0.38	0.00	-0.30	0.00	0.00	1	0.00	0.00	-0.37	0.00	0.01	0.00	0.00
1	40	0.00	0.00	-0.06	0.00	-0.45	0.00	0.00	24	0.00	0.00	-0.67	0.00	-0.15	0.00	0.00
1	20	0.00	0.00	-0.72	0.00	0.31	0.00	0.00	36	0.00	0.00	0.04	0.00	0.57	0.00	0.00
1	1	0.00	0.00	-0.11	0.00	-0.12	0.00	0.00	44	0.00	0.00	0.12	0.00	0.21	0.00	0.00
1	2	0.00	0.00	0.22	0.00	-0.42	0.00	0.01	3	0.00	0.00	0.08	0.00	0.26	0.00	0.01
1	3	0.00	0.00	0.15	0.00	-0.28	0.00	0.01	4	0.00	0.00	0.10	0.00	0.23	0.00	0.01
1	4	0.00	0.00	0.08	0.00	-0.23	0.00	0.01	5	0.00	0.00	0.12	0.00	0.28	0.00	0.01
1	5	0.00	0.00	0.08	0.00	-0.23	0.00	0.01	6	0.00	0.00	0.09	0.00	0.24	0.00	0.01</

1	43	0.00	0.00	0.15	0.00	-0.15	0.00	0.00	44	0.00	0.00	-0.15	0.00	0.10	0.00	0.00
1	44	0.00	0.00	-0.35	0.00	-0.05	0.00	0.00	45	0.00	0.00	0.35	0.00	0.15	0.00	0.00
1	45	0.00	0.00	0.15	0.00	-0.16	0.00	0.00	46	0.00	0.00	-0.15	0.00	0.12	0.00	0.00
1	46	0.00	0.00	-0.41	0.00	-0.06	0.00	0.01	47	0.00	0.00	0.41	0.00	0.18	0.00	-0.01
1	47	0.00	0.00	0.16	0.00	-0.16	0.00	0.00	48	0.00	0.00	-0.16	0.00	0.11	0.00	0.00
1	48	0.00	0.00	-0.37	0.00	-0.04	0.00	0.00	49	0.00	0.00	0.37	0.00	0.15	0.00	0.00
1	49	0.00	0.00	0.22	0.00	-0.16	0.00	0.00	50	0.00	0.00	-0.22	0.00	0.09	0.00	0.00
1	21	0.00	0.00	0.16	0.00	-0.16	0.00	0.00	22	0.00	0.00	0.51	0.00	0.53	0.00	0.01
1	22	0.00	0.00	0.50	0.00	-0.53	0.00	0.01	23	0.00	0.00	0.16	0.00	0.18	0.00	0.01
1	23	0.00	0.00	0.16	0.00	-0.18	0.00	0.01	24	0.00	0.00	0.49	0.00	0.53	0.00	0.01
1	24	0.00	0.00	0.50	0.00	-0.53	0.00	0.01	25	0.00	0.00	0.16	0.00	0.17	0.00	0.00
1	25	0.00	0.00	0.19	0.00	-0.19	0.00	0.01	26	0.00	0.00	0.46	0.00	0.47	0.00	0.00
1	26	0.00	0.00	0.64	0.00	-0.49	0.00	0.01	27	0.00	0.00	-0.03	0.00	-0.27	0.00	0.00
1	27	0.00	0.00	-0.12	0.00	0.24	0.00	-0.01	28	0.00	0.00	0.74	0.00	0.67	0.00	0.02
1	28	0.00	0.00	0.50	0.00	-0.63	0.00	0.00	29	0.00	0.00	0.16	0.00	0.27	0.00	0.01
1	29	0.00	0.00	0.20	0.00	-0.27	0.00	0.01	30	0.00	0.00	0.44	0.00	0.52	0.00	0.01
1	30	0.00	0.00	0.45	0.00	-0.52	0.00	0.01	31	0.00	0.00	0.19	0.00	0.25	0.00	0.01
1	31	0.00	0.00	0.18	0.00	-0.25	0.00	0.01	32	0.00	0.00	0.47	0.00	0.55	0.00	0.01
1	32	0.00	0.00	0.49	0.00	-0.55	0.00	0.01	33	0.00	0.00	0.16	0.00	0.21	0.00	0.01
1	33	0.00	0.00	0.18	0.00	-0.22	0.00	0.01	34	0.00	0.00	0.48	0.00	0.54	0.00	0.01
1	34	0.00	0.00	0.52	0.00	-0.54	0.00	0.01	35	0.00	0.00	0.15	0.00	0.15	0.00	0.00
1	35	0.00	0.00	0.15	0.00	-0.16	0.00	0.01	20	0.00	0.00	0.53	0.00	0.55	0.00	0.01
1	18	0.00	0.00	0.28	0.00	0.32	0.00	-0.01	19	0.00	0.00	0.50	0.00	-0.07	0.00	0.01
1	13	0.00	0.00	-0.61	0.00	0.01	0.00	0.00	31	0.00	0.00	-0.37	0.00	0.11	0.00	0.00
1	11	0.00	0.00	0.60	0.00	0.00	0.00	0.01	29	0.00	0.00	-0.36	0.00	0.12	0.00	0.00
1	9	0.00	0.00	-0.97	0.00	0.95	0.00	0.02	27	0.00	0.00	0.16	0.00	-0.10	0.00	-0.02
1	7	0.00	0.00	-0.51	0.00	0.01	0.00	-0.02	25	0.00	0.00	-0.35	0.00	0.08	0.00	0.02
1	3	0.00	0.00	-0.62	0.00	0.09	0.00	0.00	23	0.00	0.00	-0.32	0.00	0.08	0.00	0.00
1	3	0.00	0.00	-0.57	0.00	0.09	0.00	0.00	21	0.00	0.00	-0.31	0.00	0.07	0.00	0.00
1	17	0.00	0.00	-0.59	0.00	0.11	0.00	-0.01	35	0.00	0.00	-0.30	0.00	0.07	0.00	0.00
1	15	0.00	0.00	-0.61	0.00	0.05	0.00	0.00	33	0.00	0.00	-0.34	0.00	0.10	0.00	0.00
1	4	4.25	-0.02	0.14	0.28	-0.25	0.03	0.00	2	0.00	0.02	-0.14	-0.28	-0.29	-0.10	0.00
1	3	4.25	0.02	0.00	0.34	0.03	0.02	0.00	3	0.00	-0.02	0.00	-0.34	-0.03	0.05	0.00
1	4	4.25	0.00	0.01	0.40	0.01	-0.02	0.00	4	0.00	0.00	-0.01	-0.40	-0.05	0.04	0.00
1	5	4.25	0.00	0.03	0.41	-0.04	-0.04	0.00	5	0.00	0.00	-0.03	-0.41	-0.07	0.04	0.00
1	6	4.25	0.01	0.05	0.40	-0.10	-0.02	0.00	6	0.00	-0.01	-0.05	-0.40	-0.10	0.06	0.00
1	7	4.25	0.03	0.07	0.37	-0.14	0.03	0.00	7	0.00	-0.03	-0.07	-0.37	-0.12	0.08	0.00
1	8	4.25	0.04	0.07	0.41	-0.13	0.08	0.00	8	0.00	-0.04	-0.07	-0.41	-0.12	0.08	0.00
1	9	4.25	-0.06	0.32	0.47	-0.57	-0.09	0.00	9	0.00	0.06	-0.32	-0.47	-0.68	-0.13	0.00
1	10	4.25	-0.02	0.26	0.38	-0.46	-0.05	0.00	10	0.00	0.02	-0.26	-0.38	-0.53	-0.04	0.00
1	11	4.25	0.02	-0.21	0.44	0.38	0.06	0.00	11	0.00	-0.02	0.21	-0.44	0.44	0.04	0.00
1	12	4.25	0.03	-0.13	0.50	0.23	0.07	0.00	12	0.00	-0.03	0.13	-0.50	0.26	0.05	0.00
1	13	4.25	0.03	-0.02	0.49	0.04	0.07	0.00	13	0.00	-0.03	0.02	-0.49	0.05	0.05	0.00
1	14	4.25	0.02	0.06	0.48	-0.11	0.07	0.00	14	0.00	-0.02	-0.06	-0.48	-0.13	0.03	0.00
1	15	4.25	0.02	0.13	0.44	-0.23	0.06	0.00	15	0.00	-0.02	-0.13	-0.44	-0.26	0.01	0.00
1	16	4.25	0.01	0.16	0.41	-0.29	0.05	0.00	16	0.00	-0.01	-0.16	-0.41	-0.33	-0.03	0.00
1	17	4.25	-0.01	0.17	0.36	-0.30	0.04	0.00	17	0.00	0.01	-0.17	-0.36	-0.34	-0.06	0.00
1	18	4.25	-0.07	-0.03	0.02	0.05	0.01	-0.01	18	0.00	0.07	0.03	-0.02	0.07	-0.30	0.01
1	19	4.25	-0.02	0.00	0.01	0.02	0.01	0.01	19	0.00	0.02	0.00	-0.01	-0.03	-0.08	-0.01
1	16	4.25	0.00	0.25	-1.68	-0.18	0.00	0.00	17	4.25	0.00	-0.03	1.68	-0.13	0.00	0.00
1	17	4.25	0.00	0.25	-1.51	-0.17	-0.01	0.00	2	4.25	0.00	-0.03	1.51	-0.14	0.00	0.00
1	2	4.25	0.01	0.18	-1.37	-0.11	0.00	0.00	3	4.25	-0.01	0.05	1.37	-0.05	0.04	0.00
1	3	4.25	-0.12	0.12	-1.38	0.02	-0.02	0.00	4	4.25	-0.17	0.12	1.18	-0.03	0.07	0.00
1	4	4.25	0.11	0.11	-1.19	0.04	-0.07	0.00	5	4.25	-0.17	0.13	1.12	-0.01	0.07	0.00
1	5	4.25	-0.17	0.09	-1.15	0.06	-0.07	0.00	6	4.25	-0.17	0.15	1.22	0.01	0.08	0.00
1	6	4.25	-0.20	0.06	-1.28	0.10	-0.07	0.00	7	4.25	-0.14	0.18	1.21	0.06	0.00	0.00
1	7	4.25	0.04	0.04	-1.25	0.09	-0.03	0.00	8	4.25	-0.04	0.20	1.25	0.12	0.11	0.00
1	8	4.25	-0.24	-0.02	0.35	-0.01	-0.24	0.02	18	4.25	0.07	0.02	-0.03	0.06	-0.03	-0.02
1	8	4.25	0.07	0.04	-1.06	0.05	0.15	0.00	9	4.25	-0.07	0.42	1.06	0.39	0.02	0.00
1	9	4.25	-0.02	-0.01	-0.00	0.03	-0.06	0.00	19	4.25	-0.02	0.01	0.00	0.01	0.00	0.00
1	9	4.25	-0.05	-0.11	-1.41	0.19	-0.09	0.00	10	4.25	0.05	0.32	1.41	0.29	-0.01	0.00
1	10	4.25	0.01	-0.09	-1.67	0.17	-0.02	0.00	11	4.25	-0.01	0.30	1.67	0.27	0.00	0.00
1	11	4.25	0.00	-0.04	-1.89	0.11	-0.01	0.00	12	4.25	0.00	0.25	1.89	0.21	0.00	0.00
1	12	4.25	0.00	0.05	-2.02	0.01	0.00	0.00	13	4.25	0.00	0.17	2.02	0.12	0.00	0.00
1	13	4.25	0.00	0.13	-2.04	-0.08	0.00	0.00	14	4.25	0.00	0.08	2.04	0.02	0.00	0.00
1	14	4.25	0.00	0.19	-1.98	-0.14	0.00	0.00	15	4.25	0.00	0.03	1.98	-0.05	0.00	0.00
1	15	4.25	0.00	0.24	-1.85	-0.18	0.00	0.00	16	4.25	0.00	-0.02	1.85	-0.11	0.00	0.00
1	3	4.25	0.00	0.02	0.68	0.00	0.00	0.00	37	5.50	0.00	-0.02	-0.68	-0.12	0.00	0.00
1	2	4.25	0.00	0.00	0.54	0.00	0.00	0.00	36	5.50	0.00	0.00	-0.54	0.00	0.00	0.00
1	4	4.25	0.00	0.00	0.81	0.00	0.00	0.00	38	5.50	0.00	0.00	-0.81	0.00	0.00	0.00
1	5	4.25	0.00	0.01	0.79	0.00	0.00	0.00	39	5.50	0.00	-0.01	-0.79	-0.08	0.00	0.00
1	6	4.25	0.00	0.00	0.87	0.00	0.00	0.00	40	5.50	0.00	0.00	-0.87	0.00	0.00	0.00
1	7	4.25	0.00	0.02	0.60	0.00	0.00	0.00	41	5.50	0.00	-0.02	-0.60	-0.09	-0.01	0.00
1	8	4.25	0.00	0.00	0.80	0.00	0.00	0.00	42	5.50	0.00	0.00	-0.80	0.00	0.00	0.00
1	9	4.25	0.00	0.02	0.67	0.00	0.00	0.00	43	5.50	0.00	-0.02	-0.67	-0.11	-0.01	0.00
1	10	4.25	0.00	0.02	0.59	0.00	0.00	0.00	44	5.50	0.00	-0.02	-0.59	-0.10	0.00	0.00
1	11	4.25	0.00	0.00	0.75	0.00	0.00	0.00	45	5.50	0.00	0.00	-0.75	0.00	0.00	0.00
1	12	4.25	0.00	0.02	0.82	0.00	0.00	0.00	46	5.50	0.00	-0.02	-0.82	-0.12	0.00	0.00
1	13	4.25	0.00	0.00	0.85	0.00	0.00	0.00	47	5.50	0.00	0.00	-0.85	0.00	0.00	0.00
1	14	4.25	0.00	0.02	0.83	0.00	0.00	0.00	48	5.50	0.00	-0.02	-0.83	-0.14	-0.01	0.00
1	15	4.25	0.00	0.00	0.79	0.00	0.00	0.00	49	5.50	0.00	0.00	-0.79	0.00	0.00	0.00
1	16	4.25	0.00	0.03	0.72	0.00	0.00	0.00	50	5.50	0.00	-0.03	-0.72	-0.15	-0.01	0.00
1																

1	6.80	0.00	0.10	0.52	0.02	0.00	0.00	47	6.50	0.00	0.15	-0.57	0.02	0.00	0.00
1	6.80	0.00	0.10	0.52	0.02	0.00	0.00	45	6.50	0.00	0.15	-0.57	0.02	0.00	0.00
43	6.50	-0.13	0.00	-0.64	0.02	-0.04	0.00	44	6.50	0.13	0.00	0.64	-0.02	-0.04	0.00
44	6.50	0.13	0.00	-0.64	0.02	0.04	0.00	45	6.50	-0.13	0.00	0.64	-0.03	0.04	0.00
45	6.50	-0.13	0.00	-0.65	0.03	-0.04	-0.01	46	6.50	-0.13	0.00	0.65	-0.03	-0.04	-0.01
46	6.50	0.13	0.00	-0.65	0.03	0.04	0.01	47	6.50	-0.13	0.00	0.65	-0.03	0.04	-0.01
47	6.50	-0.13	0.00	-0.63	0.03	-0.04	0.00	48	6.50	-0.13	0.00	0.63	-0.02	-0.04	0.00
48	6.50	0.13	0.00	-0.63	0.02	0.04	0.00	49	6.50	-0.13	0.00	0.63	-0.02	0.04	0.00
49	6.50	-0.12	0.01	-0.59	0.02	-0.03	0.00	50	6.50	-0.12	-0.01	0.59	-0.03	-0.03	0.00
50	6.50	0.12	0.01	-0.59	0.03	0.03	0.01	51	6.50	-0.12	-0.01	0.59	-0.03	0.04	-0.01
51	6.50	-0.14	-0.01	-0.55	0.03	-0.04	-0.01	36	6.50	-0.12	0.01	0.59	-0.03	-0.04	-0.01
36	6.50	0.12	-0.01	-0.59	0.03	0.04	0.00	37	6.50	-0.15	0.01	0.61	-0.02	0.04	0.00
37	6.50	-0.16	0.00	-0.60	0.02	-0.04	0.00	38	6.50	-0.12	0.00	0.61	-0.02	-0.04	0.00
38	6.50	0.12	0.00	-0.61	0.02	0.04	0.00	39	6.50	-0.16	0.00	0.60	-0.02	0.04	0.00
39	6.50	-0.15	0.01	-0.61	0.02	-0.04	0.00	40	6.50	-0.11	-0.01	0.59	-0.03	-0.04	0.00
40	6.50	0.12	0.01	-0.59	0.03	0.04	0.01	41	6.50	-0.12	-0.01	0.59	-0.03	0.04	-0.01
41	6.50	-0.12	-0.01	-0.61	0.03	-0.04	-0.01	42	6.50	-0.12	0.01	0.61	-0.03	-0.03	0.01
42	6.50	0.12	-0.01	-0.61	0.03	0.03	0.00	43	6.50	-0.12	0.01	0.61	-0.02	0.04	0.00
45	6.50	0.00	0.00	0.00	0.00	0.00	0.00	61	6.35	0.00	0.00	0.00	0.00	0.00	0.00
43	6.50	0.00	0.00	0.00	0.00	0.00	0.00	59	6.35	0.00	0.00	0.00	0.00	0.00	0.00
41	6.50	0.00	0.00	0.00	0.00	0.00	0.00	57	6.35	0.00	0.00	0.00	0.00	0.00	0.00
39	6.50	0.00	0.00	0.00	0.00	0.00	0.00	55	6.35	0.00	0.00	0.00	0.00	0.00	0.00
37	6.50	0.00	0.00	0.00	0.00	0.00	0.00	53	6.35	0.00	0.00	0.00	0.00	0.00	0.00
51	6.50	0.00	0.00	0.00	0.00	0.00	0.00	67	6.35	0.00	0.00	0.00	0.00	0.00	0.00
49	6.50	0.00	0.00	0.00	0.00	0.00	0.00	65	6.35	0.00	0.00	0.00	0.00	0.00	0.00
47	6.50	0.00	0.00	0.00	0.00	0.00	0.00	63	6.35	0.00	0.00	0.00	0.00	0.00	0.00
36	0.00	0.00	0.13	0.00	-0.21	0.00	0.00	1	0.00	0.00	-0.12	0.00	0.12	0.00	0.00
1	0.00	0.00	-0.30	0.00	-0.01	0.00	0.00	40	0.00	0.00	0.30	0.00	0.23	0.00	0.00
48	0.00	0.00	0.14	0.00	-0.20	0.00	0.00	1	0.00	0.00	-0.13	0.00	0.10	0.00	0.00
1	0.00	0.00	-0.34	0.00	-0.03	0.00	0.00	44	0.00	0.00	0.34	0.00	0.28	0.00	0.00
50	0.00	0.00	0.00	0.00	-0.09	0.00	0.00	51	0.00	0.00	0.21	0.00	0.15	0.00	0.00
51	0.00	0.00	0.40	0.00	-0.14	0.00	0.00	36	0.00	0.00	-0.39	0.00	0.03	0.00	0.00
36	0.00	0.00	-0.18	0.00	-0.10	0.00	0.00	37	0.00	0.00	0.18	0.00	0.15	0.00	0.00
37	0.00	0.00	0.44	0.00	-0.17	0.00	-0.01	38	0.00	0.00	-0.44	0.00	0.04	0.00	0.01
38	0.00	0.00	-0.18	0.00	-0.12	0.00	0.00	39	0.00	0.00	0.18	0.00	0.17	0.00	0.00
39	0.00	0.00	0.28	0.00	-0.16	0.00	0.00	40	0.00	0.00	-0.29	0.00	0.08	0.00	0.00
40	0.00	0.00	-0.11	0.00	-0.12	0.00	0.00	41	0.00	0.00	0.11	0.00	0.15	0.00	0.00
41	0.00	0.00	0.65	0.00	-0.17	0.00	-0.01	42	0.00	0.00	-0.66	0.00	-0.02	0.00	0.01
42	0.00	0.00	-0.30	0.00	-0.07	0.00	0.01	43	0.00	0.00	0.30	0.00	0.16	0.00	0.00
43	0.00	0.00	0.37	0.00	-0.15	0.00	0.00	44	0.00	0.00	-0.37	0.00	0.04	0.00	0.00
44	0.00	0.00	-0.16	0.00	-0.11	0.00	0.00	45	0.00	0.00	0.16	0.00	0.16	0.00	0.00
45	0.00	0.00	0.42	0.00	-0.18	0.00	-0.01	46	0.00	0.00	-0.42	0.00	0.06	0.00	0.01
46	0.00	0.00	-0.15	0.00	-0.12	0.00	0.00	47	0.00	0.00	0.15	0.00	0.16	0.00	0.00
47	0.00	0.00	0.36	0.00	-0.15	0.00	0.00	48	0.00	0.00	-0.36	0.00	0.05	0.00	0.00
48	0.00	0.00	-0.15	0.00	-0.10	0.00	0.00	49	0.00	0.00	0.15	0.00	0.15	0.00	0.00
49	0.00	0.00	0.51	0.00	-0.17	0.00	-0.01	50	0.00	0.00	-0.50	0.00	0.02	0.00	0.01

CARATT. Var.Nev.q<1000: ASTE

Tra	Filo	Alt.	Tx	Ty	N	Mx	My	Mt	Filo	Alt.	Tx	Ty	N	Mx	My	Mt
tto	In.	(m)	(kN*10)	(kN*10)	(kN*10)	kN*m*10	kN*m*10	kN*m*10	N.ro	(m)	(kN*10)	(kN*10)	(kN*10)	kN*m*10	kN*m*10	kN*m*10
1	2	0.00	0.00	-0.52	0.00	-0.07	0.00	0.00	20	0.00	0.00	0.23	0.00	0.60	0.00	0.00
1	36	0.00	0.00	0.03	0.00	-0.01	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	44	0.00	0.00	-0.08	0.00	0.00	0.00	0.00	28	0.00	0.00	0.06	0.00	0.42	0.00	0.00
1	28	0.00	0.00	0.14	0.00	-0.46	0.00	0.01	10	0.00	0.00	-0.40	0.00	0.08	0.00	-0.01
1	14	0.00	0.00	-0.54	0.00	-0.05	0.00	0.00	32	0.00	0.00	0.24	0.00	0.61	0.00	0.00
1	32	0.00	0.00	0.12	0.00	-0.59	0.00	0.00	48	0.00	0.00	-0.09	0.00	0.02	0.00	0.00
1	1	0.00	0.00	0.02	0.00	0.01	0.00	0.00	40	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
1	24	0.00	0.00	0.22	0.00	-0.59	0.00	0.00	6	0.00	0.00	-0.50	0.00	0.07	0.00	0.00
1	12	0.00	0.00	-0.55	0.00	-0.04	0.00	0.00	30	0.00	0.00	0.25	0.00	0.61	0.00	0.00
1	8	0.00	0.00	-0.49	0.00	0.48	0.00	-0.01	26	0.00	0.00	0.31	0.00	0.12	0.00	0.01
1	4	0.00	0.00	-0.49	0.00	-0.07	0.00	0.00	22	0.00	0.00	0.22	0.00	0.57	0.00	0.00
1	16	0.00	0.00	-0.55	0.00	-0.05	0.00	0.00	34	0.00	0.00	0.25	0.00	0.61	0.00	0.00
1	34	0.00	0.00	0.12	0.00	-0.59	0.00	0.00	50	0.00	0.00	-0.09	0.00	0.03	0.00	0.00
1	22	0.00	0.00	0.12	0.00	-0.55	0.00	0.00	38	0.00	0.00	-0.09	0.00	0.01	0.00	0.00
1	26	0.00	0.00	-0.06	0.00	-0.11	0.00	0.00	42	0.00	0.00	-0.01	0.00	0.07	0.00	0.00
1	30	0.00	0.00	0.13	0.00	-0.60	0.00	0.00	46	0.00	0.00	-0.11	0.00	-0.01	0.00	0.00
1	9	0.00	0.00	-0.48	0.00	0.46	0.00	-0.01	19	0.00	0.00	-0.12	0.00	0.18	0.00	0.01
1	8	0.00	0.00	-0.47	0.00	0.45	0.00	0.00	18	0.00	0.00	-0.10	0.00	0.17	0.00	0.00
1	48	0.00	0.00	0.03	0.00	-0.01	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	40	0.00	0.00	-0.12	0.00	0.04	0.00	0.00	24	0.00	0.00	0.13	0.00	0.58	0.00	0.00
1	20	0.00	0.00	0.13	0.00	-0.59	0.00	0.00	36	0.00	0.00	-0.09	0.00	0.02	0.00	0.00
1	1	0.00	0.00	0.02	0.00	0.00	0.00	0.00	44	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
1	2	0.00	0.00	-0.22	0.00	-0.19	0.00	0.01	3	0.00	0.00	-0.35	0.00	0.03	0.00	0.01
1	3	0.00	0.00	-0.33	0.00	-0.04	0.00	0.01	4	0.00	0.00	-0.25	0.00	0.14	0.00	0.01
1	4	0.00	0.00	-0.23	0.00	-0.15	0.00	0.01	5	0.00	0.00	-0.37	0.00	-0.02	0.00	0.01
1	5	0.00	0.00	-0.36	0.00	0.01	0.00	0.01	6	0.00	0.00	-0.25	0.00	0.11	0.00	0.01
1	6	0.00	0.00	-0.19	0.00	-0.11	0.00	0.01	7	0.00	0.00	-0.38	0.00	-0.13	0.00	0.01
1	7	0.00	0.00	-0.36	0.00	0.15	0.00	0.01	8	0.00	0.00	-0.06	0.00	0.18	0.00	-0.01
1	8	0.00	0.00	-0.15	0.00	-0.17	0.00	0.00	9	0.00	0.00	-0.12	0.00	0.20	0.00	0.00
1	9	0.00	0.00	-0.18	0.00	-0.02	0.00	-0.01	10	0.00	0.00	-0.21	0.00	0.01	0.00	0.02
1	10	0.00	0.00	-0.23	0.00	-0.06	0.00	0.00	11	0.00	0.00	-0.30	0.00	0.00	0.00	0.01
1	11	0.00	0.00	-0.40	0.00	0.02	0.00	0.01	12	0.00	0.00	-0.17	0.00	0.23	0.00	0.01
1	12	0.00	0.00	-0.22	0.00	-0.18	0.00	0.01	13	0.00	0.00	-0.34	0.00	0.06	0.00	0.01
1	13	0.00	0.00	-0.38	0.00	-0.02	0.00	0.01	14	0.00	0.00	-0.19	0.00	0.23	0.00	0.01
1	14	0.00	0.00	-0.22	0.00	-0.20	0.00	0.01	15	0.00	0.00	-0.36	0.00	0.04	0.00	0.01
1	15															

24	0.00	0.00	-0.17	0.00	-0.02	0.00	0.00	25	0.00	0.00	0.05	0.00	0.25	0.00	0.01
25	0.00	0.00	0.06	0.00	-0.26	0.00	0.01	26	0.00	0.00	-0.18	0.00	0.01	0.00	0.00
26	0.00	0.00	-0.07	0.00	-0.03	0.00	0.00	27	0.00	0.00	-0.08	0.00	0.02	0.00	0.00
27	0.00	0.00	-0.12	0.00	0.00	0.00	0.00	28	0.00	0.00	-0.03	0.00	0.09	0.00	0.01
28	0.00	0.00	-0.17	0.00	-0.07	0.00	0.00	29	0.00	0.00	0.03	0.00	0.28	0.00	0.01
29	0.00	0.00	0.05	0.00	-0.28	0.00	0.01	30	0.00	0.00	-0.19	0.00	0.03	0.00	0.00
30	0.00	0.00	-0.19	0.00	-0.03	0.00	0.00	31	0.00	0.00	0.05	0.00	0.28	0.00	0.01
31	0.00	0.00	0.04	0.00	-0.28	0.00	0.01	32	0.00	0.00	-0.18	0.00	0.04	0.00	0.00
32	0.00	0.00	-0.19	0.00	-0.04	0.00	0.00	33	0.00	0.00	0.05	0.00	0.28	0.00	0.01
33	0.00	0.00	0.05	0.00	-0.28	0.00	0.01	34	0.00	0.00	-0.19	0.00	0.04	0.00	0.00
34	0.00	0.00	-0.19	0.00	-0.04	0.00	0.00	35	0.00	0.00	0.05	0.00	0.28	0.00	0.01
35	0.00	0.00	0.05	0.00	-0.28	0.00	0.01	20	0.00	0.00	-0.18	0.00	0.04	0.00	0.00
18	0.00	0.00	-0.17	0.00	-0.01	0.00	0.00	19	0.00	0.00	-0.16	0.00	0.02	0.00	0.00
13	0.00	0.00	-0.21	0.00	-0.08	0.00	0.00	31	0.00	0.00	-0.09	0.00	0.13	0.00	0.00
11	0.00	0.00	-0.21	0.00	-0.08	0.00	0.00	29	0.00	0.00	-0.09	0.00	0.13	0.00	0.00
9	0.00	0.00	-0.40	0.00	0.44	0.00	0.01	27	0.00	0.00	0.20	0.00	0.01	0.00	-0.01
7	0.00	0.00	-0.15	0.00	-0.12	0.00	-0.01	25	0.00	0.00	-0.10	0.00	0.12	0.00	0.01
5	0.00	0.00	-0.20	0.00	-0.09	0.00	0.00	23	0.00	0.00	-0.09	0.00	0.12	0.00	0.00
3	0.00	0.00	-0.20	0.00	-0.07	0.00	0.00	21	0.00	0.00	-0.08	0.00	0.12	0.00	0.00
17	0.00	0.00	-0.21	0.00	-0.08	0.00	0.00	35	0.00	0.00	-0.09	0.00	0.13	0.00	0.00
15	0.00	0.00	-0.21	0.00	-0.08	0.00	0.00	33	0.00	0.00	-0.09	0.00	0.13	0.00	0.00
2	4.25	0.05	0.02	0.98	-0.05	0.13	0.00	2	0.00	-0.05	-0.02	-0.98	-0.05	0.05	0.00
3	4.25	-0.01	-0.04	0.88	0.09	-0.02	0.00	3	0.00	0.01	0.04	-0.88	0.05	-0.01	0.00
4	4.25	-0.02	-0.03	0.96	0.08	-0.07	0.00	4	0.00	0.02	0.03	-0.96	0.04	-0.03	0.00
5	4.25	-0.03	-0.02	0.92	0.05	-0.09	0.00	5	0.00	0.03	0.02	-0.92	0.03	-0.04	0.00
6	4.25	-0.04	0.00	0.95	0.01	-0.10	0.00	6	0.00	0.04	0.00	-0.95	0.01	-0.03	0.00
7	4.25	-0.03	0.02	0.89	-0.04	-0.08	0.00	7	0.00	0.03	-0.02	-0.89	-0.02	-0.03	0.00
8	4.25	0.00	0.00	1.17	-0.03	0.00	0.00	8	0.00	0.00	-0.01	-1.17	-0.03	0.00	0.00
9	4.25	-0.02	-0.01	1.18	0.00	-0.03	0.00	9	0.00	0.02	0.01	-1.18	0.03	-0.04	0.00
10	4.25	-0.02	-0.02	0.84	0.04	-0.10	0.00	10	0.00	0.03	0.02	-0.84	0.03	-0.03	0.00
11	4.25	0.03	-0.02	0.91	0.04	-0.11	0.00	11	0.00	-0.03	0.02	-0.91	0.05	-0.02	0.00
12	4.25	0.04	-0.03	0.94	0.05	0.12	0.00	12	0.00	-0.04	0.03	-0.94	0.06	0.03	0.00
13	4.25	0.04	-0.02	0.93	0.04	0.12	0.00	13	0.00	-0.04	0.02	-0.93	0.05	0.04	0.00
14	4.25	0.04	-0.02	0.95	0.03	0.12	0.00	14	0.00	-0.04	0.02	-0.95	0.04	0.04	0.00
15	4.25	0.04	-0.01	0.94	0.02	0.12	0.00	15	0.00	-0.04	0.01	-0.94	0.02	0.04	0.00
16	4.25	0.04	0.00	0.95	-0.01	0.12	0.00	16	0.00	-0.04	0.00	-0.95	-0.01	0.04	0.00
17	4.25	0.04	0.01	0.93	-0.03	0.12	0.00	17	0.00	-0.04	-0.01	-0.93	-0.03	0.04	0.00
18	4.25	0.00	-0.09	0.27	-0.19	0.00	0.00	18	0.00	0.00	0.09	-0.27	0.16	-0.01	0.00
19	4.25	0.00	-0.10	0.27	-0.20	0.00	0.00	19	0.00	0.00	0.10	-0.27	0.16	-0.01	0.00
16	4.25	0.00	0.07	-5.09	-0.03	0.00	0.00	17	4.25	0.00	0.04	5.09	-0.01	0.00	0.00
17	4.25	0.00	0.06	-5.07	-0.02	0.00	0.00	2	4.25	0.00	0.05	5.07	0.01	0.00	0.00
2	4.25	0.00	0.10	-5.05	-0.05	0.00	0.00	3	4.25	0.00	0.02	5.05	-0.04	0.00	0.00
3	4.25	0.00	0.06	-5.04	0.03	0.00	0.00	4	4.25	0.00	0.06	5.04	-0.02	0.00	0.00
4	4.25	0.00	0.07	-5.04	0.00	0.00	0.00	5	4.25	0.00	0.05	5.04	-0.03	0.00	0.00
5	4.25	0.00	0.06	-5.04	0.02	0.00	0.00	6	4.25	0.00	0.06	5.04	-0.03	0.00	0.00
6	4.25	0.00	0.07	-5.04	0.02	0.00	0.00	7	4.25	0.00	0.05	5.04	-0.04	0.00	0.00
7	4.25	0.00	0.02	-5.04	0.05	0.00	-0.01	8	4.25	0.00	0.10	5.04	0.05	0.00	0.01
8	4.25	0.00	0.22	-5.09	-0.09	0.01	0.00	18	4.25	0.00	0.27	-0.09	0.16	0.00	0.00
8	4.25	-0.01	0.01	-5.06	-0.03	-0.01	0.00	9	4.25	0.01	-0.01	5.06	0.02	-0.02	0.00
9	4.25	0.00	0.23	-5.10	-0.10	-0.01	0.00	19	4.25	0.00	0.27	-0.10	0.17	0.00	0.00
9	4.25	-0.01	0.12	-5.02	-0.11	-0.02	0.00	10	4.25	0.01	-0.01	5.02	-0.04	0.00	0.00
10	4.25	0.00	0.05	-5.00	0.01	0.01	0.00	11	4.25	0.00	0.06	5.00	0.01	0.00	0.00
11	4.25	0.00	0.02	-5.02	0.03	0.00	0.00	12	4.25	0.00	0.09	5.02	0.04	0.00	0.00
12	4.25	0.00	0.04	-5.05	0.01	0.00	0.00	13	4.25	0.00	0.07	5.05	0.03	0.00	0.00
13	4.25	0.00	0.03	-5.07	0.02	0.00	0.00	14	4.25	0.00	0.08	5.07	0.04	0.00	0.00
14	4.25	0.00	0.05	-5.09	-0.01	0.00	0.00	15	4.25	0.00	0.06	5.09	0.01	0.00	0.00
15	4.25	0.00	0.04	-5.09	0.00	0.00	0.00	16	4.25	0.00	0.06	5.09	0.02	0.00	0.00
3	4.25	0.00	0.37	-2.13	0.00	0.00	0.00	37	5.50	0.00	0.38	-1.97	0.11	0.00	0.00
2	4.25	0.00	0.37	-2.16	0.00	0.00	0.00	36	5.50	0.00	0.37	-1.99	0.00	0.00	0.00
4	4.25	0.00	0.36	-2.14	0.00	0.00	0.00	38	5.50	0.00	0.36	-1.98	0.00	0.00	0.00
5	4.25	0.00	0.35	-2.14	0.00	0.00	0.00	39	5.50	0.00	0.38	-1.97	0.10	0.00	0.00
6	4.25	0.00	0.36	-2.13	0.00	0.00	0.00	40	5.50	0.00	0.36	-1.97	0.00	0.00	0.00
7	4.25	0.00	0.35	-2.13	0.00	0.00	0.00	41	5.50	0.00	0.38	-1.96	0.09	0.00	0.00
8	4.25	0.00	0.36	-2.21	0.00	0.00	0.00	42	5.50	0.00	0.36	-2.05	0.00	0.00	0.00
9	4.25	0.00	0.35	-2.20	0.00	0.00	0.00	43	5.50	0.00	0.37	-2.04	0.06	0.00	0.00
10	4.25	0.00	0.35	-2.11	0.00	0.00	0.00	44	5.50	0.00	0.38	-1.94	0.07	0.00	0.00
11	4.25	0.00	0.36	-2.12	0.00	0.00	0.00	45	5.50	0.00	0.36	-1.96	0.00	0.00	0.00
12	4.25	0.00	0.35	-2.13	0.00	0.00	0.00	46	5.50	0.00	0.38	-1.97	0.08	0.00	0.00
13	4.25	0.00	0.36	-2.15	0.00	0.00	0.00	47	5.50	0.00	0.36	-1.98	0.00	0.00	0.00
14	4.25	0.00	0.35	-2.16	0.00	0.00	0.00	48	5.50	0.00	0.38	-1.99	0.09	0.00	0.00
15	4.25	0.00	0.37	-2.16	0.00	0.00	0.00	49	5.50	0.00	0.37	-2.00	0.00	0.00	0.00
16	4.25	0.00	0.35	-2.16	0.00	0.00	0.00	50	5.50	0.00	0.38	-2.00	0.11	0.00	0.00
17	4.25	0.00	0.37	-2.16	0.00	0.00	0.00	51	5.50	0.00	0.37	-1.99	0.00	0.00	0.00
36	5.50	0.03	0.05	5.15	-0.13	0.00	-0.05	37	5.50	-0.03	-0.05	-5.15	0.10	0.01	0.05
37	5.50	0.01	-0.04	5.17	-0.10	-0.01	0.02	38	5.50	-0.01	0.04	-5.17	0.12	0.02	-0.02
38	5.50	0.00	0.04	5.18	-0.12	-0.02	-0.03	39	5.50	0.00	-0.04	-5.18	0.10	0.02	0.03
39	5.50	-0.02	-0.05	5.19	-0.10	-0.02	0.03	40	5.50	0.02	0.05	-5.19	0.12	0.01	-0.03
40	5.50	-0.04	0.03	5.19	-0.13	-0.01	-0.02	41	5.50	0.04	-0.03	-5.19	0.11	-0.01	0.02
41	5.50	-0.06	-0.06	5.18	-0.11	0.01	0.03	42	5.50	0.06	0.06	-5.18	0.14	-0.04	-0.03
42	5.50	0.02	0.04	5.18	-0.14	0.04	-0.02	43	5.50	-0.02	-0.04	-5.18	0.12	-0.03	0.02
43	5.50	0.07	-0.02	5.19	-0.11	0.03	0.00	44	5.50	-0.07	0.02	-5.19	0.13	0.01	0.00
44	5.50	0.03	0.04	5.20	-0.13	-0.01	0.02	45	5.50	-0.03	-0.04	-5.20	0.11	0.03	-0.02
45	5.50	-0.01	-0.03	5.20	-0.11	-0.03	-0.02	46	5.50	0.01	0.03	-5.20	0.13	0.03	0.02
46	5.50	-0.02	0.03	5.18	-0.12	-0.03	0.01	47	5.50	0.02	-0.03	-5.18	0.10	0.01	-0.01
47	5.50	-0.03	-0.04	5.16	-0.10	-0.01	-0.02	48	5.50	0.03	0.04	-5.16	0.12	-0.01	0.02
48	5.50	-0.02	0.03	5.14	-0.12	0.00	0.								







41	6.50	0.00	0.00	0.00	0.00	0.00	0.00	57	6.35	0.00	0.00	0.00	0.00	0.00	0.00
39	6.50	0.00	0.00	0.00	0.00	0.00	0.00	55	6.35	0.00	0.00	0.00	0.00	0.00	0.00
37	6.50	0.00	0.00	0.00	0.00	0.00	0.00	53	6.35	0.00	0.00	0.00	0.00	0.00	0.00
51	6.50	0.00	0.00	0.00	0.00	0.00	0.00	67	6.35	0.00	0.00	0.00	0.00	0.00	0.00
49	6.50	0.00	0.00	0.00	0.00	0.00	0.00	65	6.35	0.00	0.00	0.00	0.00	0.00	0.00
47	6.50	0.00	0.00	0.00	0.00	0.00	0.00	63	6.35	0.00	0.00	0.00	0.00	0.00	0.00
36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	0.00	0.00	0.00	0.00	0.00	0.00	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	48	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1	0.00	0.00	0.00	0.00	0.00	0.00	44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	50	0.00	0.00	0.00	0.00	0.00	0.00	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	51	0.00	0.00	0.00	0.00	0.00	0.00	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	36	0.00	0.00	0.00	0.00	0.00	0.00	37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	37	0.00	0.00	0.00	0.00	0.00	0.00	38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	38	0.00	0.00	0.00	0.00	0.00	0.00	39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	39	0.00	0.00	0.00	0.00	0.00	0.00	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	40	0.00	0.00	0.00	0.00	0.00	0.00	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	41	0.00	0.00	0.00	0.00	0.00	0.00	42	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	42	0.00	0.00	0.00	0.00	0.00	0.00	43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	43	0.00	0.00	0.00	0.00	0.00	0.00	44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	44	0.00	0.00	0.00	0.00	0.00	0.00	45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	45	0.00	0.00	0.00	0.00	0.00	0.00	46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	46	0.00	0.00	0.00	0.00	0.00	0.00	47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	47	0.00	0.00	0.00	0.00	0.00	0.00	48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	48	0.00	0.00	0.00	0.00	0.00	0.00	49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	49	0.00	0.00	0.00	0.00	0.00	0.00	50	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### SPOSTAMENTI SISMICI RELATIVI

I D E N T I F I C A T I V O					INVILUPPO S.L.D.			INVILUPPO S.L.O.			Stringa di Controllo Verifica
Filo N.ro	Quota inf. (m)	Quota sup. (m)	Nodo inf. N.ro	Nodo sup. N.ro	Sisma N.ro	Spostam. Calcolo (mm)	Spostam. Limite (mm)	Sisma N.ro	Spostam. Calcolo (mm)	Spostam. Limite (mm)	
1	0.00	6.80	4	94	2	1.512	34.000	2	1.254	13.600	VERIFICATO
2	0.00	4.25	1	52	2	1.554	21.250	2	1.300	8.500	VERIFICATO
3	0.00	4.25	29	53	2	1.715	21.250	2	1.424	8.500	VERIFICATO
4	0.00	4.25	18	54	2	1.838	21.250	2	1.516	8.500	VERIFICATO
5	0.00	4.25	30	55	2	1.895	21.250	2	1.552	8.500	VERIFICATO
6	0.00	4.25	13	56	2	1.976	21.250	2	1.617	8.500	VERIFICATO
7	0.00	4.25	31	57	2	2.003	21.250	2	1.650	8.500	VERIFICATO
8	0.00	4.25	16	58	2	1.973	21.250	2	1.635	8.500	VERIFICATO
9	0.00	4.25	26	59	2	1.875	21.250	2	1.563	8.500	VERIFICATO
10	0.00	4.25	7	60	2	1.694	21.250	2	1.421	8.500	VERIFICATO
11	0.00	4.25	32	61	2	1.493	21.250	2	1.260	8.500	VERIFICATO
12	0.00	4.25	14	62	2	1.271	21.250	2	1.081	8.500	VERIFICATO
13	0.00	4.25	33	63	1	1.127	21.250	1	0.966	8.500	VERIFICATO
14	0.00	4.25	8	64	1	1.100	21.250	1	0.943	8.500	VERIFICATO
15	0.00	4.25	34	65	1	1.048	21.250	1	0.900	8.500	VERIFICATO
16	0.00	4.25	20	66	2	1.143	21.250	2	0.973	8.500	VERIFICATO
17	0.00	4.25	35	67	2	1.359	21.250	2	1.145	8.500	VERIFICATO
18	0.00	4.25	28	68	1	4.651	21.250	1	3.797	8.500	VERIFICATO
19	0.00	4.25	27	69	2	5.308	21.250	2	4.364	8.500	VERIFICATO
36	0.00	5.50	3	71	2	1.693	27.500	2	1.404	11.000	VERIFICATO
36	5.50	6.50	71	99	1	0.088	5.000	1	0.075	2.000	VERIFICATO
37	0.00	5.50	38	70	2	1.587	27.500	2	1.319	11.000	VERIFICATO
37	5.50	6.50	70	86	1	0.070	5.000	1	0.058	2.000	VERIFICATO
38	0.00	5.50	23	72	2	1.465	27.500	2	1.221	11.000	VERIFICATO
38	5.50	6.50	72	100	1	0.052	5.000	1	0.044	2.000	VERIFICATO
39	0.00	5.50	39	73	2	1.345	27.500	2	1.122	11.000	VERIFICATO
39	5.50	6.50	73	87	1	0.055	5.000	1	0.046	2.000	VERIFICATO
40	0.00	5.50	11	74	2	1.278	27.500	2	1.065	11.000	VERIFICATO
40	5.50	6.50	74	101	1	0.047	5.000	1	0.039	2.000	VERIFICATO
41	0.00	5.50	40	75	2	1.124	27.500	2	0.927	11.000	VERIFICATO
41	5.50	6.50	75	88	1	0.063	5.000	1	0.053	2.000	VERIFICATO
42	0.00	5.50	24	76	2	1.234	27.500	2	1.024	11.000	VERIFICATO
42	5.50	6.50	76	102	1	0.086	5.000	1	0.073	2.000	VERIFICATO
43	0.00	5.50	41	77	2	1.359	27.500	2	1.127	11.000	VERIFICATO
43	5.50	6.50	77	89	1	0.091	5.000	1	0.076	2.000	VERIFICATO
44	0.00	5.50	5	78	2	1.464	27.500	2	1.212	11.000	VERIFICATO
44	5.50	6.50	78	95	1	0.100	5.000	1	0.085	2.000	VERIFICATO
45	0.00	5.50	42	79	2	1.541	27.500	2	1.272	11.000	VERIFICATO
45	5.50	6.50	79	90	1	0.114	5.000	1	0.101	2.000	VERIFICATO
46	0.00	5.50	25	80	2	1.614	27.500	2	1.321	11.000	VERIFICATO
46	5.50	6.50	80	96	1	0.141	5.000	1	0.124	2.000	VERIFICATO
47	0.00	5.50	43	81	2	1.708	27.500	2	1.398	11.000	VERIFICATO
47	5.50	6.50	81	91	1	0.144	5.000	1	0.127	2.000	VERIFICATO
48	0.00	5.50	10	82	2	1.836	27.500	2	1.509	11.000	VERIFICATO
48	5.50	6.50	82	97	1	0.136	5.000	1	0.120	2.000	VERIFICATO
49	0.00	5.50	44	83	2	1.847	27.500	2	1.521	11.000	VERIFICATO
49	5.50	6.50	83	92	1	0.123	5.000	1	0.109	2.000	VERIFICATO
50	0.00	5.50	22	84	2	1.829	27.500	2	1.509	11.000	VERIFICATO
50	5.50	6.50	84	98	1	0.100	5.000	1	0.087	2.000	VERIFICATO
51	0.00	5.50	37	85	2	1.776	27.500	2	1.469	11.000	VERIFICATO
51	5.50	6.50	85	93	1	0.098	5.000	1	0.084	2.000	VERIFICATO

STAMPA PROGETTO S.L.V. - E.C. - FONDAZIONE

Filo Iniz Fin. Ctge	Quota Iniz. Finale Sgmt	T ra t	Sez Bas Alt	Co m lo	VERIFICA A PRESSO-FLESSIONE										VERIFICA A TAGLIO E TORSIONE											
					Co Nr	AlfaX	M Exd kN10m	N Ed kN*10	x/ d	sf% 100	cc% 100	Area sup	cmq inf	Co Nr	V Exd kN*10	V Eyd kN*10	T Sdu kN*10	V Rxd kN*10	V Ryd kN*10	TRd kN*10	TRld kN10m	Coe Cls	Coe Sta	ALon cmq	staffe Pass Lun	
2	0.00		11	1	7	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-3.0	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	70
20	0.00		40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.2	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	12
2.5	0.45		74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.1	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
36	0.00	1	11	1	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	2.3	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
1	0.00	/	40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	2.4	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	5
2.5	0.22	2	74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
44	0.00		11	1	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	2.3	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
28	0.00		40	3	8	1.10	0.0	24.1	19	100	23	6.0	8.0	6	0.0	-1.9	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	256
2.5	0.36		74	5	8	1.10	0.0	24.1	19	100	23	6.0	8.0	6	0.0	-2.3	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
28	0.00		11	1	8	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	2.8	0.0	20.0	38.7	17.7	0.0	5	7	0.0	16	70
10	0.00		40	3	8	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	2.8	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	12
2.5	0.50		74	5	8	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	3.9	0.0	20.0	38.7	17.7	0.0	8	10	0.0	16	70
14	0.00		11	1	4	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-5.2	0.0	20.0	38.7	17.7	0.0	11	13	0.0	16	70
32	0.00		40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-3.7	0.0	20.0	38.7	17.7	0.0	7	9	0.0	16	12
2.5	0.53		74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-3.5	0.0	20.0	38.7	17.7	0.0	7	8	0.0	16	70
32	0.00		11	1	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	1.9	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
48	0.00		40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	1.9	0.0	20.0	38.7	17.7	0.0	4	4	0.0	16	256
2.5	0.36		74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.4	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
1	0.00	1	11	1	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-1.5	0.0	20.0	38.7	17.7	0.0	3	3	0.0	16	70
40	0.00	/	40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-0.3	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	4
2.5	0.22	2	74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
24	0.00		11	1	5	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-1.3	0.0	20.0	38.7	17.7	0.0	2	3	0.0	16	70
6	0.00		40	3	5	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-1.1	0.0	20.0	38.7	17.7	0.0	2	2	0.0	16	12
2.5	0.39		74	5	2	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-1.0	0.0	20.0	38.7	17.7	0.0	2	2	0.0	16	70
12	0.00		11	1	8	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-5.3	0.0	20.0	38.7	17.7	0.0	11	13	0.0	16	70
30	0.00		40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-3.8	0.0	20.0	38.7	17.7	0.0	8	9	0.0	16	12
2.5	0.53		74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-3.5	0.0	20.0	38.7	17.7	0.0	7	9	0.0	16	70
8	0.00		11	1	4	1.10	0.0	24.1	19	100	23	6.0	8.0	7	0.0	-1.2	0.0	20.0	38.7	17.7	0.0	2	3	0.0	16	70
26	0.00		40	3	4	1.10	0.0	24.1	19	100	23	6.0	8.0	7	0.0	-1.2	0.0	20.0	38.7	17.7	0.0	2	3	0.0	16	12
2.5	0.39		74	5	4	1.10	0.0	24.1	19	100	23	6.0	8.0	3	0.0	-1.2	0.0	20.0	38.7	17.7	0.0	2	3	0.0	16	70
4	0.00		11	1	8	1.10	0.0	24.1	19	100	23	6.0	8.0	4	0.0	1.3	0.0	20.0	38.7	17.7	0.0	2	3	0.0	16	70
22	0.00		40	3	4	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	0.9	0.0	20.0	38.7	17.7	0.0	1	2	0.0	16	12
2.5	0.38		74	5	4	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	0.9	0.0	20.0	38.7	17.7	0.0	2	2	0.0	16	70
16	0.00		11	1	9	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-5.1	0.0	20.0	38.7	17.7	0.0	11	13	0.0	16	70
34	0.00		40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-3.7	0.0	20.0	38.7	17.7	0.0	7	9	0.0	16	12
2.5	0.52		74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-3.4	0.0	20.0	38.7	17.7	0.0	7	8	0.0	16	70
34	0.00		11	1	9	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
50	0.00		40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	256
2.5	0.36		74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
22	0.00		11	1	4	1.10	0.0	24.1	19	100	23	6.0	8.0	7	0.0	0.4	0.0	20.0	38.7	17.7	0.0	0	1	0.0	16	70
38	0.00		40	3	4	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	256
2.5	0.34		74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.7	0.0	20.0	38.7	17.7	0.0	5	7	0.0	16	70
26	0.00		11	1	3	1.10	0.0	24.1	19	100	23	6.0	8.0	4	0.0	1.2	0.0	20.0	38.7	17.7	0.0	2	3	0.0	16	70
42	0.00		40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-1.6	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	256
2.5	0.34		74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.8	0.0	20.0	38.7	17.7	0.0	5	7	0.0	16	70
30	0.00		11	1	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	2.1	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
46	0.00		40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	256
2.5	0.37		74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-1.9	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
9	0.00		11	1	9	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.4	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
19	0.00		40	3	9	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	224
2.5	0.69		74	5	9	1.10	0.0	24.1	19	100	23	6.0	8.0	9	0.0	-3.2	0.0	20.0	38.7	17.7	0.0	6	8	0.0	16	70
8	0.00		11	1	3	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-0.4	0.0	20.0	38.7	17.7	0.0	0	1	0.0	16	70
16	0.00		40	3	9	1.10	0.0	24.1	19	100	23	6.0	8.0	6	0.0	-1.9	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	179
2.5	0.55		74	5	9	1.10	0.0	24.1	19	100	23	6.0	8.0	6	0.0	-2.7	0.0	20.0	38.7	17.7	0.0	5	7	0.0	16	70
48	0.00	1	11	1	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	2.7	0.0	20.0	38.7	17.7	0.0	5	7	0.0	16	70
1	0.00	/	40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	3.0	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	5
2.5	0.21	2	74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	0	0.0	0.0										



26	0.00	1	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-2.3	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	70
27	0.00	40	3	6	1.10	0.0	14.4	10	100	12	6.0	6.0	2	0.0	-1.2	0.0	20.0	38.7	13.4	0.0	2	3	0.0	16	72
2.5	0.35	74	5	6	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	1.6	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	70
27	0.00	1	1	6	1.10	0.0	14.4	10	100	12	6.0	6.0	6	0.0	0.8	0.0	20.0	38.7	13.4	0.0	1	2	0.0	16	70
28	0.00	40	3	6	1.10	0.0	14.4	10	100	12	6.0	6.0	2	0.0	1.2	0.0	20.0	38.7	13.4	0.0	2	3	0.0	16	72
2.5	0.36	74	5	1	1.10	0.0	14.4	10	100	12	6.0	6.0	6	0.0	2.0	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	70
28	0.00	1	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-2.4	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	70
29	0.00	40	3	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-1.6	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	72
2.5	0.36	74	5	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-0.8	0.0	20.0	38.7	13.4	0.0	1	2	0.0	16	70
29	0.00	1	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	0.8	0.0	20.0	38.7	13.4	0.0	1	2	0.0	16	70
30	0.00	40	3	1	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.37	74	5	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	2.4	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	143
30	0.00	1	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-2.5	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	70
31	0.00	40	3	1	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.37	74	5	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-0.8	0.0	20.0	38.7	13.4	0.0	1	2	0.0	16	143
31	0.00	1	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	0.4	0.0	20.0	38.7	13.4	0.0	0	1	0.0	16	70
32	0.00	40	3	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	1.6	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	73
2.5	0.36	74	5	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	2.4	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	70
32	0.00	1	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-2.4	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	70
33	0.00	40	3	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-1.5	0.0	20.0	38.7	13.4	0.0	3	3	0.0	16	73
2.5	0.36	74	5	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-0.7	0.0	20.0	38.7	13.4	0.0	1	1	0.0	16	70
33	0.00	1	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	0.8	0.0	20.0	38.7	13.4	0.0	1	2	0.0	16	70
34	0.00	40	3	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	1.6	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	73
2.5	0.36	74	5	9	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	2.3	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	70
34	0.00	1	1	9	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-2.4	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	70
35	0.00	40	3	1	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.36	74	5	1	1.10	0.0	14.4	10	100	12	6.0	6.0	3	0.0	-0.8	0.0	20.0	38.7	13.4	0.0	1	2	0.0	16	143
35	0.00	1	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	9	0.0	0.8	0.0	20.0	38.7	13.4	0.0	1	2	0.0	16	70
20	0.00	40	3	1	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.35	74	5	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	1.9	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	143
18	0.00	1	1	5	1.10	0.0	14.4	10	100	12	6.0	6.0	6	0.0	-5.8	0.0	20.0	38.7	13.4	0.0	12	14	0.0	16	70
19	0.00	40	3	6	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.67	74	5	6	1.10	0.0	14.4	10	100	12	6.0	6.0	5	0.0	4.3	0.0	20.0	38.7	13.4	0.0	9	11	0.0	16	145
13	0.00	11	1	3	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.4	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
31	0.00	40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-0.8	0.0	20.0	38.7	17.7	0.0	1	2	0.0	16	12
2.5	0.53	74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	3	0.0	-0.8	0.0	20.0	38.7	17.7	0.0	1	2	0.0	16	70
11	0.00	11	1	7	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.3	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
29	0.00	40	3	7	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-0.7	0.0	20.0	38.7	17.7	0.0	1	1	0.0	16	12
2.5	0.53	74	5	8	1.10	0.0	24.1	19	100	23	6.0	8.0	3	0.0	-0.8	0.0	20.0	38.7	17.7	0.0	1	2	0.0	16	70
9	0.00	11	1	9	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-3.8	0.0	20.0	38.7	17.7	0.0	8	9	0.0	16	70
27	0.00	40	3	9	1.10	0.0	24.1	19	100	23	6.0	8.0	9	0.0	-3.2	0.0	20.0	38.7	17.7	0.0	6	8	0.0	16	12
2.5	0.44	74	5	6	1.10	0.0	24.1	19	100	23	6.0	8.0	9	0.0	-3.1	0.0	20.0	38.7	17.7	0.0	6	8	0.0	16	70
7	0.00	11	1	6	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-0.1	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	70
25	0.00	40	3	6	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	0.3	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	12
2.5	0.38	74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	0.4	0.0	20.0	38.7	17.7	0.0	0	1	0.0	16	70
5	0.00	11	1	3	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-0.1	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	70
23	0.00	40	3	3	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	0.4	0.0	20.0	38.7	17.7	0.0	0	1	0.0	16	12
2.5	0.39	74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	0.4	0.0	20.0	38.7	17.7	0.0	0	1	0.0	16	70
3	0.00	11	1	7	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-0.5	0.0	20.0	38.7	17.7	0.0	1	1	0.0	16	70
21	0.00	40	3	7	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-0.2	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	12
2.5	0.38	74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	4	0.0	-0.4	0.0	20.0	38.7	17.7	0.0	0	1	0.0	16	70
17	0.00	11	1	6	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70
35	0.00	40	3	6	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-0.7	0.0	20.0	38.7	17.7	0.0	1	1	0.0	16	12
2.5	0.51	74	5	9	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-0.5	0.0	20.0	38.7	17.7	0.0	1	1	0.0	16	70
15	0.00	11	1	2	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.4	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
33	0.00	40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-0.8	0.0	20.0	38.7	17.7	0.0	1	2	0.0	16	12
2.5	0.53	74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-0.6	0.0	20.0	38.7	17.7	0.0	1	1	0.0	16	70
36	0.00	2	1	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	0.3	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
1	0.00	40	3	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	0.4	0.0	20.0	38.7	17.7	0.0	0	1	0.0	16	5
2.5	0.22	74	5	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	1.6	0.0	20.0	38.7	17.7	0.0	3	4	0.0	16	70
1	0.00	2	1	1	1.10	0.0	24.1	19	100	23	6.0	8.0	1	0.0	-2.8	0.0	20.0	38.7	17.7	0.0</					

42	0.00	2	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-1.7	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	0
43	0.00	/	40	3	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.23	2	74	5	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-1.6	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	29
43	0.00	2	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	2.1	0.0	20.0	38.7	13.4	0.0	4	5	0.0	16	0
44	0.00	/	40	3	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.22	2	74	5	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	2.3	0.0	20.0	38.7	13.4	0.0	5	6	0.0	16	29
44	0.00	2	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-1.1	0.0	20.0	38.7	13.4	0.0	2	2	0.0	16	0
45	0.00	/	40	3	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.22	2	74	5	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-1.0	0.0	20.0	38.7	13.4	0.0	2	2	0.0	16	29
45	0.00	2	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	3.4	0.0	20.0	38.7	13.4	0.0	7	8	0.0	16	0
46	0.00	/	40	3	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.21	2	74	5	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	3.5	0.0	20.0	38.7	13.4	0.0	7	9	0.0	16	29
46	0.00	2	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-1.6	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	0
47	0.00	/	40	3	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.21	2	74	5	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-1.6	0.0	20.0	38.7	13.4	0.0	3	4	0.0	16	29
47	0.00	2	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	2.8	0.0	20.0	38.7	13.4	0.0	5	7	0.0	16	0
48	0.00	/	40	3	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.21	2	74	5	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	3.1	0.0	20.0	38.7	13.4	0.0	6	8	0.0	16	29
48	0.00	2	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-1.4	0.0	20.0	38.7	13.4	0.0	3	3	0.0	16	0
49	0.00	/	40	3	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.21	2	74	5	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	-1.4	0.0	20.0	38.7	13.4	0.0	3	3	0.0	16	29
49	0.00	2	1	1	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	3.3	0.0	20.0	38.7	13.4	0.0	7	8	0.0	16	0
50	0.00	/	40	3	1.10	0.0	14.4	10	100	12	6.0	6.0	0	0.0	0.0	0.0	20.0	38.7	13.4	0.0	0	0	0.0	16	0
2.5	0.21	2	74	5	1.10	0.0	14.4	10	100	12	6.0	6.0	1	0.0	3.5	0.0	20.0	38.7	13.4	0.0	7	9	0.0	16	29

**STAMPA PROGETTO S.L.V. - E.C. - ELEVAZIONE**

Filo Iniz. Fin. Ctg@	Quota Iniz. Finale \$...\$	T r a t	Sez Bas Alt	Co nc io	VERIFICA A PRESSO-FLESSIONE										VERIFICA A TAGLIO E TORSIONE										
					Co Nr	M Ed knN10m	N Ed kn*10	Moltip Ultimo	x/d	sf% 100	sc% 100	Area sup	cmq inf	Co Nr	V Exd kn*10	V Eyd kn*10	T Sdu kn10m	V Rxd kn*10	V Ryd kn*10	TRd kn10m	TRld kn10m	Coe Cls	Coe Sta	ALon cmq	staffe Pass Lun
16	4.25	4	1	1	-0.6	21.6	1.2	3	100	3	4.0	4.0	4	0.0	2.1	0.0	15.1	20.8	4.7	0.0	6	10	0.0	9	40
17	4.25	30	3	1	0.5	21.6	1.3	5	100	5	4.0	4.0	4	0.0	1.9	0.0	6.8	9.3	2.1	0.0	6	20	0.0	20	144
1.49	1.00	40	5	1	0.5	21.6	1.3	5	100	5	4.0	4.0	3	0.0	-1.6	0.0	15.1	20.8	4.7	0.0	5	7	0.0	9	40
17	4.25	4	1	1	-0.1	21.3	1.4	8	100	8	4.0	4.0	5	0.0	2.1	0.0	16.4	22.6	5.2	0.0	7	9	0.0	9	40
2	4.25	30	3	1	0.3	21.3	1.3	7	100	6	4.0	4.0	2	0.0	-2.2	0.0	7.4	10.2	2.3	0.0	7	21	0.0	20	144
1.62	1.00	40	5	1	-0.2	21.3	1.4	8	100	8	4.0	4.0	2	0.0	-2.2	0.0	16.4	22.6	5.2	0.0	7	9	0.0	9	40
2	4.25	4	1	1	-0.3	21.2	1.3	7	100	6	4.0	4.0	5	0.0	1.4	0.0	19.8	27.3	6.2	0.0	5	5	0.0	9	40
3	4.25	30	3	1	0.3	21.2	1.3	6	100	6	4.0	4.0	2	0.0	-1.3	0.0	8.9	12.3	2.8	0.0	4	10	0.0	20	157
1.95	1.00	40	5	1	-0.1	21.2	1.4	9	100	8	4.0	4.0	2	0.0	-1.4	0.0	19.8	27.3	6.2	0.0	5	5	0.0	9	40
3	4.25	4	1	1	-0.2	21.2	1.4	8	100	7	4.0	4.0	1	-0.2	0.9	0.0	21.6	22.4	2.5	0.0	4	2	0.0	9	40
4	4.25	30	3	1	0.4	21.1	1.3	5	100	5	4.0	4.0	6	0.0	-0.8	0.0	11.4	15.7	3.6	0.0	3	5	0.0	20	168
2.5	1.00	40	5	1	0.0	20.9	1.5	10	100	9	4.0	4.0	1	0.2	-0.7	0.0	21.6	22.4	2.5	0.0	4	1	0.0	9	40
4	4.25	4	1	1	-0.1	20.9	1.4	9	100	8	4.0	4.0	1	-0.3	0.9	0.0	26.4	27.3	3.0	0.0	4	3	0.0	9	40
5	4.25	30	3	1	0.5	20.9	1.3	5	100	4	4.0	4.0	6	0.0	-1.0	0.0	8.3	11.5	2.6	0.0	3	8	0.0	20	170
1.83	1.00	40	5	1	0.0	20.8	1.5	10	100	9	4.0	4.0	6	0.0	-1.1	0.0	18.5	25.5	5.8	0.0	4	4	0.0	9	40
5	4.25	4	1	1	0.3	20.8	1.4	7	100	6	4.0	4.0	7	0.0	1.2	0.0	13.9	19.2	4.4	0.0	3	6	0.0	9	40
6	4.25	30	3	1	0.5	20.9	1.3	4	100	4	4.0	4.0	7	0.0	1.1	0.0	6.3	8.6	2.0	0.0	3	12	0.0	20	169
1.37	1.00	40	5	1	-0.1	20.9	1.4	9	100	8	4.0	4.0	1	0.3	-0.9	0.0	13.9	19.2	4.4	0.0	3	4	0.0	9	40

**STAMPA PROGETTO S.L.V. - E.C. - ELEVAZIONE**

Filo Iniz. Fin. Ctg@	Quota Iniz. Finale \$...\$	T r a t	Sez Bas Alt	Co nc io	VERIFICA A PRESSO-FLESSIONE										VERIFICA A TAGLIO E TORSIONE										
					Co Nr	M Ed knN10m	N Ed kn*10	Moltip Ultimo	x/d	sf% 100	sc% 100	Area sup	cmq inf	Co Nr	V Exd kn*10	V Eyd kn*10	T Sdu kn10m	V Rxd kn*10	V Ryd kn*10	TRd kn10m	TRld kn10m	Coe Cls	Coe Sta	ALon cmq	staffe Pass Lun
6	4.25	4	1	1	0.3	21.0	1.3	6	100	6	4.0	4.0	7	0.0	1.2	0.0	13.9	19.2	4.4	0.0	4	6	0.0	9	40
7	4.25	30	3	1	0.5	21.0	1.3	5	100	4	4.0	4.0	8	0.0	-1.1	0.0	6.3	8.6	2.0	0.0	3	12	0.0	20	168
1.37	1.00	40	5	1	-0.2	20.9	1.4	7	100	7	4.0	4.0	1	0.2	-0.9	0.0	13.9	19.2	4.4	0.0	3	4	0.0	9	40
7	4.25	4	1	1	0.2	21.0	1.4	7	100	7	4.0	4.0	2	0.9	0.5	0.0	12.0	16.6	3.8	0.0	4	7	0.0	9	40
8	4.25	30	3	1	0.4	21.0	1.3	6	100	6	4.0	4.0	5	-0.9	0.1	0.0	7.4	7.5	1.7	0.0	3	16	0.0	20	169
1.19	1.00	40	5	1	-0.5	21.0	1.3	4	100	4	4.0	4.0	4	-0.7	-0.7	0.0	12.0	16.6	3.8	0.0	4	5	0.0	9	40
8	4.25	4	1	1	-1.5	1.0	3.2	12	100	14	4.0	4.0	5	1.3	1.5	0.0	14.4	19.8	4.5	0.0	9	9	0.0	9	40
18	4.25	30	3	7	1.3	0.8	3.6	12	100	14	4.0	4.0	2	-1.3	-0.1	0.0	6.5	8.9	2.0	0.0	4	19	0.0	20	239
1.42	1.00	40	5	6	-2.5	-1.2	2.3	15	100	17	4.0	4.0	2	-1.3	-1.2	0.0	14.4	19.8	4.5	0.0	8	8	0.0	9	40
8	4.25	4	1	1	-0.3	20.8	1.4	7	100	6	4.0	4.0	9	-1.3	1.7	0.0	11.2	15.5	3.5	0.0	9	11	0.0	9	40
9	4.25	30	3	1	-0.3	20.8	1.4	6	100	6	4.0	4.0	5	-1.5	0.0	0.0	5.0	7.0	1.6	0.0	4	29	0.0	20	156
1.1	1.00	40	5	1	-0.7	20.8	1.2	2	100	2	4.0	4.0	6	1.2	-1.5	0.0	11.2	15.5	3.5	0.0	8	11	0.0	9	40
9	4.25	4	1	1	-1.9	0.0	2.7	14	100	16	4.0	4.0	9	0.8	1.6	0.0	21.7	22.4	2.5	0.0	11	4	0.0	9	40
19	4.25	30	3	3	0.9	0.4	5.6	13	100	15	4.0	4.0	9	0.8	1.4	0.0	21.7	22.4	2.5	0.0	10	9	0.0	20	285
2.5	1.00	40	5	6	-1.7	0.4	3.3	14	100	16	4.0	4.0	6	-0.8	-1.4	0.0	21.7	22.4	2.5	0.0	10	3	0.0	9	40
9	4.25	4	1																						

16	4.25	30	3	1	0.3	22.1	1.3	6	100	6	4.0	4.0	4	0.0	1.7	0.0	7.4	10.2	2.3	0.0	5	16	0.0	20	144
1.62	1.00	40	5	1	0.3	22.1	1.3	7	100	6	4.0	4.0	3	0.0	-1.6	0.0	16.4	22.6	5.2	0.0	5	6	0.0	9	40

STAMPA PROGETTO S.L.V. - E.C. - ACCIAIO

VERIFICHE ASTE IN ACCIAIO 3D																												
DATI DI ASTA	Fili N.ro	Quota (m)	Tra to	Cmb N.r	N Sd (daN)	MxSd (daN*m)	MySd (daN*m)	VxSd (daN)	VySd (daN)	T Sd (daN*m)	N Rd	MxV.Rd	MyV.Rd	VxplRd (daN/cmq)	VyplRd	T Rd	fy rid	Rap										
Sez.N.937	36	5.50	1	-22228	-20	-265	-347	314	21	700273	152144	41228	85118	319195	58772	1942	3											
profilo an	gn=-	-365	1	-22228	51	-163	-347	170	21	700273	152144	41228	85118	319195	58772	1942	3											
Asta: 132	37	5.50	1	-22228	80	-61	-347	26	21	700273	152144	41228	85118	319195	58772	1942	3											
Instab.:1=	58.9	5*1=	41.2	-22228	80	265	clas.=2	lmd=	4	R*pf=	4	R*ft=	0	Wmax/rel/lim=	0.34	0.00	0.24	cm										

STAMPA PROGETTO S.L.V. - E.C. - LEGNO

Mat. N.ro	Comb N.ro	Classe durata di riferimento	fmd kg/cmq	fcd kg/cmq	ftd kg/cmq	fvd kg/cmq
101	0	Permanente	144.0	126.0	84.0	13.2
	1	Media Durata	192.0	168.0	112.0	17.6
	2	Istantaneo	264.0	231.0	154.0	24.2
	3	Istantaneo	264.0	231.0	154.0	24.2
	4	Istantaneo	264.0	231.0	154.0	24.2
	5	Istantaneo	264.0	231.0	154.0	24.2
	6	Istantaneo	264.0	231.0	154.0	24.2

7	Istantaneo	264.0	231.0	154.0	24.2
8	Istantaneo	264.0	231.0	154.0	24.2
9	Istantaneo	264.0	231.0	154.0	24.2

STAMPA PROGETTO S.L.V. - E.C. - LEGNO

VERIFICHE ASTE IN LEGNO																		
DATI DI ASTA	Fili N.ro	Quota (m)	Trat to	Cmb N.r	N Sd (daN)	MxSd (daN*m)	MySd (daN*m)	VxSd (daN)	VySd (daN)	T Sd (daN*m)	αn	αMx	αMy	τx (daN/cm²)	τy	τMt	Rapp. Fless	Rapp. Taglio
Sez.N.933	3	4.25	1		-9173	0	0	1	1223	0	7	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-306	1		-8895	1738	-2	1	-1	0	7	12	0	0	0	0	0.09	0.00
Asta: 116	37	5.50	1		-8622	55	-4	1	-1204	0	7	0	0	0	1	0	0.01	0.11
Instab.:1=	563.5	δ*1=	394.5		-8900	1737	-2	1	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.14				Wmax/rel/lim=0.51	0.16	1.88 cm
Sez.N.933	2	4.25	1		-8914	0	0	0	1217	0	7	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-306	1		-8635	1716	0	0	-9	0	7	12	0	0	0	0	0.08	0.00
Asta: 117	36	5.50	1		-8361	9	0	0	-1214	0	7	0	0	0	1	0	0.00	0.11
Instab.:1=	563.5	δ*1=	394.5		-8640	1716	0	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.14				Wmax/rel/lim=0.49	0.10	1.88 cm
Sez.N.933	4	4.25	1		-9336	0	0	0	1215	0	8	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-306	1		-9058	1714	0	0	-9	0	7	12	0	0	0	0	0.09	0.00
Asta: 118	38	5.50	1		-8785	9	0	0	-1212	0	7	0	0	0	1	0	0.00	0.11
Instab.:1=	563.5	δ*1=	394.5		-9063	1714	0	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.14				Wmax/rel/lim=0.51	0.10	1.88 cm
Sez.N.933	5	4.25	1		-9305	0	0	0	1210	0	8	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-306	1		-9032	1699	1	0	7	0	7	12	0	0	0	0	0.08	0.00
Asta: 119	39	5.50	1		-8754	-21	2	0	-1218	0	7	0	0	0	1	0	0.00	0.11
Instab.:1=	563.5	δ*1=	394.5		-9032	1699	1	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.14				Wmax/rel/lim=0.49	0.16	1.88 cm
Sez.N.933	6	4.25	1		-9388	0	0	0	1213	0	8	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-305	1		-9111	1711	0	0	-9	0	7	12	0	0	0	0	0.09	0.00
Asta: 120	40	5.50	1		-8838	9	0	0	-1210	0	7	0	0	0	1	0	0.00	0.11
Instab.:1=	563.5	δ*1=	394.5		-9115	1711	0	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.15				Wmax/rel/lim=0.43	0.10	1.88 cm
Sez.N.933	7	4.25	1		-9022	0	0	-2	1214	0	7	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-306	1		-8745	1714	5	-2	-8	0	7	12	0	0	0	0	0.09	0.00
Asta: 121	41	5.50	1		-8472	14	11	-2	-1209	0	7	0	0	0	1	0	0.01	0.11
Instab.:1=	563.5	δ*1=	394.4		-8750	1713	5	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.14				Wmax/rel/lim=0.41	0.15	1.88 cm
Sez.N.933	8	4.25	1		-9375	0	0	0	1213	0	8	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-305	1		-9097	1712	0	0	-9	0	7	12	0	0	0	0	0.09	0.00
Asta: 122	42	5.50	1		-8824	9	0	0	-1210	0	7	0	0	0	1	0	0.00	0.11
Instab.:1=	563.5	δ*1=	394.5		-9102	1711	0	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.15				Wmax/rel/lim=0.39	0.10	1.88 cm
Sez.N.933	9	4.25	1		-9143	0	0	-2	1225	0	7	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-305	1		-8861	1745	4	-2	-18	0	7	12	0	0	0	0	0.09	0.00
Asta: 123	43	5.50	1		-8593	78	9	-2	-1197	0	7	1	0	0	1	0	0.01	0.11
Instab.:1=	563.3	δ*1=	394.3		-8871	1744	4	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.14				Wmax/rel/lim=0.38	0.15	1.88 cm
Sez.N.933	10	4.25	1		-8810	0	0	0	1218	1	7	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-305	1		-8533	1724	1	0	-5	1	7	12	0	0	0	0	0.09	0.00
Asta: 124	44	5.50	1		-8260	32	2	0	-1206	1	7	0	0	0	1	0	0.00	0.11
Instab.:1=	563.5	δ*1=	394.5		-8537	1723	2	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.14				Wmax/rel/lim=0.48	0.16	1.88 cm
Sez.N.933	11	4.25	1		-9157	0	0	0	1213	0	7	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-305	1		-8879	1711	0	0	-9	0	7	12	0	0	0	0	0.08	0.00
Asta: 125	45	5.50	1		-8606	9	0	0	-1210	0	7	0	0	0	1	0	0.00	0.11
Instab.:1=	563.4	δ*1=	394.3		-8884	1711	0	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.14				Wmax/rel/lim=0.50	0.10	1.88 cm
Sez.N.933	12	4.25	1		-9367	0	0	1	1226	0	8	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-305	1		-9085	1745	-1	1	-19	0	7	12	0	0	0	0	0.09	0.00
Asta: 126	46	5.50	1		-8816	73	-3	1	-1200	0	7	1	0	0	1	0	0.01	0.11
Instab.:1=	563.5	δ*1=	394.5		-9094	1745	-1	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.15				Wmax/rel/lim=0.57	0.16	1.88 cm
Sez.N.933	13	4.25	1		-9442	0	0	0	1215	0	8	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-306	1		-9164	1713	0	0	-9	0	7	12	0	0	0	0	0.09	0.00
Asta: 127	47	5.50	1		-8891	9	0	0	-1211	0	7	0	0	0	1	0	0.00	0.11
Instab.:1=	563.4	δ*1=	394.3		-9169	1713	0	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.15				Wmax/rel/lim=0.58	0.10	1.88 cm
Sez.N.933	14	4.25	1		-9459	0	0	-1	1230	0	8	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-306	1		-9176	1756	3	0	-16	0	7	12	0	0	0	0	0.09	0.00
Asta: 128	48	5.50	1		-8907	92	7	-1	-1198	0	7	1	0	0	1	0	0.01	0.11
Instab.:1=	563.5	δ*1=	394.5		-9186	1756	3	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.15				Wmax/rel/lim=0.55	0.16	1.88 cm
Sez.N.933	15	4.25	1		-9314	0	0	0	1216	0	8	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-306	1		-9035	1715	0	0	-9	0	7	12	0	0	0	0	0.09	0.00
Asta: 129	49	5.50	1		-8762	9	0	0	-1213	0	7	0	0	0	1	0	0.00	0.11
Instab.:1=	563.3	δ*1=	394.3		-9040	1715	0	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.14				Wmax/rel/lim=0.54	0.10	1.88 cm
Sez.N.933	16	4.25	1		-9142	0	0	-2	1223	0	7	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-306	1		-8864	1736	5	-2	-2	0	7	12	0	0	0	0	0.09	0.00
Asta: 130	50	5.50	1		-8590	50	11	-2	-1205	0	7	0	0	0	1	0	0.01	0.11
Instab.:1=	563.5	δ*1=	394.5		-8868	1736	5	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.14				Wmax/rel/lim=0.55	0.15	1.88 cm
Sez.N.933	17	4.25	1		-8889	0	0	0	1215	0	7	0	0	0	1	0	0.00	0.11
Leg18x68.7	gn=	-306	1		-8611	1714	0	0	-9	0	7	12	0	0	0	0	0.08	0.00
Asta: 131	51	5.50	1		-8338	9	0	0	-1212	0	7	0	0	0	1	0	0.00	0.11
Instab.:1=	563.3	δ*1=	394.3		-8616	1714	0	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.14				Wmax/rel/lim=0.52	0.10	1.88 cm
Sez.N.938	37	6.50	3		-198	0	0	-42	57	-1	1	0	0	0	0	0	0.00	0.02
Leg16x24	gn=	0	3		-205	29	21	-42	57	-1	1	2	2	0	0	0	0.01	0.02
Asta: 148	37	5.50	2		-214	77	29	-29	77	-1	1	5	3	0	0	0	0.03	0.02
Instab.:1=	100.0	δ*1=	70.0		0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00				Wmax/rel/lim=0.24	0.00	0.33 cm
Sez.N.938	39	6.50	2		-198	0	0	-32	48	-1	1	0	0	0	0	0	0.00	0.01
Leg16x24	gn=	0	2		-205	24	16	-32	48	-1	1	2	2	0	0	0	0.01	0.01
Asta: 149	39	5.50	2		-211	48	32	-32	48	-1								

Sez.N.938	47	6.50	1	-887	0	0	61	22	0	2	0	0	0	0	0.00	0.03
Leg16x24	gn=	0	1	-896	11	-30	61	22	0	2	1	3	0	0	0.02	0.03
Asta: 153	47	5.50	1	-905	22	-61	61	22	0	2	1	3	0	0	0.05	0.03
Instab.:1=	100.0	g*1=	70.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.37	0.01	0.33	cm		
Sez.N.938	49	6.50	1	-871	0	0	43	65	0	2	0	0	0	0	0.00	0.03
Leg16x24	gn=	0	1	-880	33	-22	43	65	0	2	2	2	0	0	0.02	0.03
Asta: 154	49	5.50	1	-888	65	-43	43	65	0	2	4	4	0	0	0.05	0.03
Instab.:1=	100.0	g*1=	70.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.30	0.00	0.33	cm		
Sez.N.938	51	6.50	7	-216	0	0	45	-78	-1	1	0	0	0	0	0.00	0.02
Leg16x24	gn=	0	7	-223	-39	-23	45	-78	-1	1	3	2	0	0	0.02	0.02
Asta: 155	51	5.50	3	-231	-110	-29	29	-110	0	1	7	3	0	0	0.03	0.02
Instab.:1=	100.0	g*1=	70.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.29	0.00	0.33	cm		
Sez.N.938	1	6.80	1	-877	0	0	1	205	1	2	0	0	0	1	0.00	0.06
Leg16x24	gn=	-258	1	-920	56	0	1	-6	1	2	4	0	0	0	0.03	0.01
Asta: 156	43	6.50	1	-993	-125	-1	1	-369	1	3	8	0	0	1	0.06	0.11
Instab.:1=	152.1	g*1=	106.5	-993	-125	-1	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.06	Wmax/rel/lim=0.43	0.01	0.51	cm		
Sez.N.938	1	6.80	1	-865	99	3	3	132	1	2	6	0	0	1	0.05	0.04
Leg16x24	gn=	-258	1	-892	122	-1	3	-2	1	2	8	0	0	0	0.06	0.01
Asta: 157	41	6.50	1	-981	-137	-1	3	-443	1	3	9	0	0	2	0.06	0.13
Instab.:1=	152.2	g*1=	106.6	-981	-137	-1	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.06	Wmax/rel/lim=0.47	0.01	0.51	cm		
Sez.N.938	1	6.80	1	-946	0	0	-1	206	1	2	0	0	0	1	0.00	0.06
Leg16x24	gn=	-258	1	-990	56	1	-1	-17	1	3	4	0	0	0	0.03	0.01
Asta: 158	39	6.50	1	-1061	-126	2	-1	-371	1	3	8	0	0	1	0.06	0.11
Instab.:1=	152.8	g*1=	106.9	-1061	-126	2	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.06	Wmax/rel/lim=0.56	0.01	0.51	cm		
Sez.N.938	1	6.80	1	-944	0	0	1	208	0	2	0	0	0	1	0.00	0.06
Leg16x24	gn=	-258	1	-989	57	-1	1	-17	0	3	4	0	0	0	0.03	0.01
Asta: 159	37	6.50	1	-1060	-126	-1	1	-373	0	3	8	0	0	1	0.06	0.11
Instab.:1=	153.4	g*1=	107.4	-1060	-126	-1	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.06	Wmax/rel/lim=0.54	0.01	0.51	cm		
Sez.N.938	1	6.80	1	-856	99	-3	-1	138	-1	2	6	0	0	1	0.05	0.05
Leg16x24	gn=	-258	1	-886	123	-2	-1	-13	-1	2	8	0	0	0	0.06	0.01
Asta: 160	51	6.50	1	-972	-138	-1	-1	-445	-1	3	9	0	0	2	0.06	0.13
Instab.:1=	153.8	g*1=	107.7	-972	-138	-1	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.06	Wmax/rel/lim=0.54	0.01	0.51	cm		
Sez.N.938	1	6.80	1	-877	0	0	-1	209	-1	2	0	0	0	1	0.00	0.07
Leg16x24	gn=	-258	1	-922	57	1	-1	-16	-1	2	4	0	0	0	0.03	0.01
Asta: 161	49	6.50	1	-993	-126	2	-1	-373	-1	3	8	0	0	1	0.06	0.11
Instab.:1=	153.7	g*1=	107.6	-993	-126	2	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.06	Wmax/rel/lim=0.55	0.01	0.51	cm		
Sez.N.938	1	6.80	1	-944	44	-2	-2	175	-1	2	3	0	0	1	0.02	0.05
Leg16x24	gn=	-258	1	-982	85	-1	-2	-12	-1	3	6	0	0	0	0.04	0.01
Asta: 162	47	6.50	1	-1060	-131	1	-2	-404	-1	3	9	0	0	2	0.06	0.12
Instab.:1=	153.2	g*1=	107.2	-1060	-131	1	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.06	Wmax/rel/lim=0.59	0.01	0.51	cm		
Sez.N.938	1	6.80	1	-926	44	2	2	173	0	2	3	0	0	1	0.02	0.05
Leg16x24	gn=	-258	1	-964	83	1	2	-19	0	3	9	0	0	0	0.04	0.01
Asta: 163	45	6.50	1	-1041	-131	-1	2	-403	0	3	9	0	0	2	0.06	0.12
Instab.:1=	152.5	g*1=	106.7	-1041	-131	-1	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.06	Wmax/rel/lim=0.50	0.00	0.51	cm		
Sez.N.938	43	6.50	1	1143	21	-65	-225	18	-5	3	1	6	1	0	0.08	0.10
Leg16x24	gn=	-13	1	1143	25	0	-225	13	-5	3	2	0	1	0	0.05	0.10
Asta: 164	44	6.50	1	1143	28	66	-225	8	-5	3	2	6	1	0	0.09	0.09
Instab.:1=	58.2	g*1=	40.7	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.49	0.00	0.19	cm		
Sez.N.938	44	6.50	1	1143	28	66	227	8	6	3	2	6	1	0	0.09	0.10
Leg16x24	gn=	-13	1	1143	29	0	227	-3	6	3	2	0	1	0	0.05	0.10
Asta: 165	45	6.50	1	1143	30	-66	227	-2	6	3	2	6	1	0	0.09	0.10
Instab.:1=	58.3	g*1=	40.8	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.50	0.00	0.19	cm		
Sez.N.938	45	6.50	1	1160	29	-67	-230	10	-6	3	2	7	1	0	0.09	0.10
Leg16x24	gn=	-13	1	1160	31	0	-230	4	-6	3	2	0	1	0	0.05	0.10
Asta: 166	46	6.50	1	1160	32	67	-230	-1	-6	3	2	7	1	0	0.09	0.10
Instab.:1=	58.4	g*1=	40.9	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.49	0.00	0.19	cm		
Sez.N.938	46	6.50	1	1160	32	67	231	-1	6	3	2	7	1	0	0.09	0.10
Leg16x24	gn=	-13	1	1160	31	0	231	-6	6	3	2	0	1	0	0.05	0.10
Asta: 167	47	6.50	1	1160	28	-68	231	-11	6	3	2	7	1	0	0.09	0.10
Instab.:1=	58.5	g*1=	41.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.47	0.00	0.20	cm		
Sez.N.938	47	6.50	1	1135	29	-67	-229	3	-6	3	2	7	1	0	0.09	0.10
Leg16x24	gn=	-13	1	1135	29	0	-229	-2	-6	3	2	0	1	0	0.05	0.10
Asta: 168	48	6.50	1	1135	27	67	-229	-7	-6	3	2	7	1	0	0.09	0.10
Instab.:1=	58.7	g*1=	41.1	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.47	0.00	0.20	cm		
Sez.N.938	48	6.50	1	1136	28	67	225	-7	5	3	2	7	1	0	0.09	0.09
Leg16x24	gn=	-13	1	1136	25	1	225	-13	5	3	2	0	1	0	0.05	0.09
Asta: 169	49	6.50	1	1136	20	-65	225	-18	5	3	1	6	1	0	0.08	0.10
Instab.:1=	58.8	g*1=	41.1	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.50	0.00	0.20	cm		
Sez.N.938	49	6.50	1	1065	21	-63	-211	24	-5	3	1	6	1	0	0.08	0.09
Leg16x24	gn=	-13	1	1065	27	-1	-211	19	-5	3	2	0	1	0	0.04	0.09
Asta: 170	50	6.50	1	1065	32	61	-211	13	-5	3	2	6	1	0	0.08	0.09
Instab.:1=	58.9	g*1=	41.2	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.52	0.00	0.20	cm		
Sez.N.938	50	6.50	1	1064	31	61	215	13	8	3	2	6	1	0	1.08	0.11
Leg16x24	gn=	-13	1	1064	35	-2	215	8	8	3	2	0	1	0	1.05	0.11
Asta: 171	51	6.50	1	1064	36	-65	215	3	8	3	2	6	1	0	1.09	0.11
Instab.:1=	58.8	g*1=	41.2	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.55	0.00	0.20	cm		
Sez.N.938	51	6.50	1	1009	38	-66	-244	-4	-8	3	2	6	1	0	1.09	0.11
Leg16x24	gn=	-13	1	1035	36	3	-227	-9	-8	3	2	0	1	0	1.05	0.11
Asta: 172	36	6.50	1	1061	32	67	-209	-14	-8	3	2	7	1	0	1.09	0.11
Instab.:1=	58.8	g*1=	41.1	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.50	0.00	0.20	cm		
Sez.N.938	36	6.50	1	1060	33	67	215	-14	5	3	2	7	1	0	0.09	0.09
Leg16x24	gn=	59	1	1077	28	0	241	-20	5	3	2	0	1	0	0.04	0.10
Asta: 173	37	6.50	1	1095	21	-75	267	-25	5	3	1	7	1	0	0.09	0.11
Instab.:1=	58.9	g*1=	41.2	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.50	0.00	0.20	cm		
Sez.N.938	37	6.50	1	1084	22	-75	-280	11	-5	3	1	7	1	0	0.09	0.11
Leg16x24	gn=	59	1	1090	24	2	-250	6	-5	3	2	0	1	0	0.04	0.10
Asta: 174	38	6.50	1	1096	25	71	-219	0	-5	3	2	7	1	0	0.09	0.09
Instab.:1=	58.7	g*1=	41.1	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.48	0.00	0.20	cm		
Sez.N.938	38	6.50	1	1096	25	71	217	0	5	3	2	7	1	0	0.09	0.09
Leg16x24	gn=	69	1	1090	25	3	248	-5	5</							



Instab.:l=	58.3	g*1=	40.8	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.47	0.00	0.19	cm			
Sez.N.938	41	6.50	1	1105	36	-64	-219	-3	-8	3	2	6	1	0	1	0.09	0.11
Leg16x24	gn=	-13	1	1105	35	-1	-219	-8	-8	3	2	0	1	0	1	0.05	0.11
Asta: 178	42	6.50	1	1105	31	63	-219	-13	-8	3	2	6	1	0	1	0.08	0.11
Instab.:l=	58.2	g*1=	40.7	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.50	0.00	0.19	cm			
Sez.N.938	42	6.50	1	1105	32	63	218	-13	5	3	2	6	1	0	0	0.08	0.09
Leg16x24	gn=	-13	1	1105	28	0	218	-18	5	3	2	0	1	0	0	0.05	0.09
Asta: 179	43	6.50	1	1105	21	-64	218	-23	5	3	1	6	1	0	0	0.08	0.10
Instab.:l=	58.2	g*1=	40.7	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.53	0.00	0.19	cm			
Sez.N.938	45	6.50	1	50	-107	0	0	264	0	0	7	0	0	1	0	0.05	0.08
Leg16x24	gn=	-229	1	25	-27	0	0	132	0	0	2	0	0	1	0	0.01	0.04
Asta: 180	61	6.35	2	11	0	0	0	19	0	0	0	0	0	0	0	0.00	0.00
Instab.:l=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.54	0.00	0.27	cm			
Sez.N.938	43	6.50	1	49	-107	0	0	264	0	0	7	0	0	1	0	0.05	0.08
Leg16x24	gn=	-228	1	25	-27	0	0	132	0	0	2	0	0	1	0	0.01	0.04
Asta: 181	59	6.35	2	10	0	0	0	19	0	0	0	0	0	0	0	0.00	0.00
Instab.:l=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.45	0.02	0.27	cm			
Sez.N.938	41	6.50	1	49	-107	0	0	264	0	0	7	0	0	1	0	0.05	0.08
Leg16x24	gn=	-228	1	25	-27	0	0	132	0	0	2	0	0	1	0	0.01	0.04
Asta: 182	57	6.35	3	11	0	0	0	14	0	0	0	0	0	0	0	0.00	0.00
Instab.:l=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.42	0.01	0.27	cm			
Sez.N.938	39	6.50	1	50	-108	0	0	264	0	0	7	0	0	1	0	0.05	0.08
Leg16x24	gn=	-229	1	25	-27	0	0	132	0	0	2	0	0	1	0	0.01	0.04
Asta: 183	55	6.35	2	13	0	0	0	-9	0	0	0	0	0	0	0	0.00	0.00
Instab.:l=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.50	0.01	0.27	cm			
Sez.N.938	37	6.50	1	50	-108	0	0	265	0	0	7	0	0	1	0	0.05	0.08
Leg16x24	gn=	-230	1	25	-27	0	0	133	0	0	2	0	0	1	0	0.01	0.04
Asta: 184	53	6.35	3	14	0	0	0	-16	0	0	0	0	0	0	0	0.00	0.00
Instab.:l=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.51	0.02	0.27	cm			
Sez.N.938	51	6.50	1	50	-108	0	0	266	0	0	7	0	0	1	0	0.05	0.08
Leg16x24	gn=	-230	1	25	-27	0	0	133	0	0	2	0	0	1	0	0.01	0.04
Asta: 185	67	6.35	3	-3	0	0	0	-20	0	0	0	0	0	0	0	0.00	0.00
Instab.:l=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.53	0.00	0.27	cm			

**STAMPA PROGETTO S.L.V. - E.C. - LEGNO**

VERIFICHE ASTE IN LEGNO																		
DATI DI ASTA	Fili N.ro	Quota (m)	Trat to	Cmb N.r	N Sd (daN)	MxSd (daN*m)	MySd (daN*m)	VxSd (daN)	VySd (daN)	T Sd (daN*m)	on	oMx	oMy	tx (daN/cmq)	ty	tMt	Rapp. Fless	Rapp. Taglio
Sez.N.938	49	6.50	1	50	-108	0	0	265	0	0	7	0	0	1	0	0.05	0.08	
Leg16x24	gn=	-230	1	25	-27	0	0	133	0	0	2	0	0	1	0	0.01	0.04	
Asta: 186	65	6.35	7	2	0	0	0	-23	0	0	0	0	0	0	0	0.00	0.00	
Instab.:l=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.58	0.00	0.27	cm				
Sez.N.938	47	6.50	1	50	-108	0	0	265	0	0	7	0	0	1	0	0.05	0.08	
Leg16x24	gn=	-229	1	25	-27	0	0	132	0	0	2	0	0	1	0	0.01	0.04	
Asta: 187	63	6.35	6	2	0	0	0	22	0	0	0	0	0	0	0	0.00	0.00	
Instab.:l=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.63	0.00	0.27	cm				

**STAMPA PROGETTO S.L.D. - E.C. - FONDAZIONE**

Filo Iniz. Fin. Ctg	Quota Iniz. Finale	T r a Bas Alt	Sez Bas Alt	Co ncl to	VERIFICA A PRESSO-FLESSIONE										VERIFICA A TAGLIO E TORSIONE										
					Co Nr	Alfa	M Exd kN10m	N Ed kN*10	x/d	ef% 100	ec% 100	Area sup	cmq inf	Co Nr	V Exd kN*10	V Eyd kN*10	T Sdu kN*10	V Rxd kN*10	V Ryd kN*10	TRd kN*10	TRld kN10m	Coe Cls	Coe Sta	ALon cmq	staffe Pass Lun
2	0.00	11	1	7	1.00	-1.7	0.0	19	1	0	5.9	5.9	2	0.0	-1.7	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
20	0.00	40	3	7	1.00	-2.6	0.0	19	2	1	5.9	5.9	2	0.0	-1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	12
2.5		74	5	7	1.00	-2.6	0.0	19	2	1	5.9	5.9	2	0.0	-1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
36	0.00	11	1	9	1.00	-0.5	0.0	19	0	0	5.9	5.9	2	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
0	0.00	40	3	9	1.00	-0.5	0.0	19	0	0	5.9	5.9	2	0.0	1.0	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	5
2.5		74	5	2	1.00	0.0	0.0	18	0	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
44	0.00	11	1	9	1.00	-1.3	0.0	19	1	0	5.9	5.9	2	0.0	1.1	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
28	0.00	40	3	8	1.00	-2.5	0.0	19	2	0	5.9	5.9	2	0.0	-1.3	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	256
2.5		74	5	8	1.00	-3.8	0.0	19	3	1	5.9	5.9	6	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
28	0.00	11	1	8	1.00	-3.7	0.0	19	3	1	5.9	5.9	2	0.0	1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
10	0.00	40	3	8	1.00	-3.7	0.0	19	3	1	5.9	5.9	2	0.0	1.9	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	12
2.5		74	5	8	1.00	-2.3	0.0	19	2	0	5.9	5.9	6	0.0	2.7	0.0	23.0	44.5	20.3	0.0	3	6	0.0	16	70
14	0.00	11	1	3	1.00	0.4	0.0	18	0	0	5.9	5.9	4	0.0	-3.1	0.0	23.0	44.5	20.3	0.0	3	6	0.0	16	70
32	0.00	40	3	4	1.00	-3.7	0.0	19	3	1	5.9	5.9	4	0.0	-2.4	0.0	23.0	44.5	20.3	0.0	3	5	0.0	16	12
2.5		74	5	4	1.00	-3.7	0.0	19	3	1	5.9	5.9	4	0.0	-2.3	0.0	23.0	44.5	20.3	0.0	2	5	0.0	16	70
32	0.00	11	1	4	1.00	-3.8	0.0	19	3	1	5.9	5.9	2	0.0	1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
48	0.00	40	3	4	1.00	-2.5	0.0	19	2	0	5.9	5.9	4	0.0	1.5	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	256
2.5		74	5	5	1.00	-1.7	0.0	19	1	0	5.9	5.9	2	0.0	-1.3	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
1	0.00	11	1	3	1.00	-0.7	0.0	19	1	0	5.9	5.9	2	0.0	-0.7	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
0	0.00	40	3	3	1.00	-0.7	0.0	19	1	0	5.9	5.9	1	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	4
2.5		74	5	3	1.00	-0.7	0.0	19	1	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
24	0.00	11	1	5	1.00	1.1	0.0	19	1	0	5.9	5.9	2	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
6	0.00	40	3	5	1.00	1.1	0.0	19	1	0	5.9	5.9	2	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	12
2.5</																									

50	0.00	40	3	9	1.00	-2.7	0.0	19	2	1	0	5.9	5.9	3	0.0	1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	256
2.5		74	5	2	1.00	-1.3	0.0	19	1	0	0	5.9	5.9	2	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
22	0.00	11	1	4	1.00	1.0	0.0	19	1	0	0	5.9	5.9	1	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	70
38	0.00	40	3	4	1.00	1.0	0.0	19	1	0	0	5.9	5.9	2	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	256
2.5		74	5	7	1.00	-1.4	0.0	19	1	0	0	5.9	5.9	2	0.0	-1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
26	0.00	11	1	3	1.00	-1.0	0.0	19	1	0	0	5.9	5.9	4	0.0	1.0	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
42	0.00	40	3	8	1.00	0.3	0.0	18	0	0	0	5.9	5.9	2	0.0	0.6	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	256
2.5		74	5	2	1.00	-1.1	0.0	19	1	0	0	5.9	5.9	2	0.0	-1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
30	0.00	11	1	8	1.00	-4.0	0.0	19	3	1	0	5.9	5.9	2	0.0	1.5	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
46	0.00	40	3	8	1.00	-2.6	0.0	19	2	1	0	5.9	5.9	4	0.0	1.5	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	256
2.5		74	5	4	1.00	-1.6	0.0	19	1	0	0	5.9	5.9	2	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
9	0.00	11	1	9	1.00	2.5	0.0	19	3	1	0	5.9	5.9	2	0.0	-0.8	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
19	0.00	40	3	9	1.00	2.4	0.0	19	3	1	0	5.9	5.9	2	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	224
2.5		74	5	9	1.00	1.5	0.0	19	2	0	0	5.9	5.9	5	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
8	0.00	11	1	3	1.00	0.7	0.0	18	1	0	0	5.9	5.9	4	0.0	1.3	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
18	0.00	40	3	9	1.00	1.2	0.0	19	1	0	0	5.9	5.9	2	0.0	-0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	179
2.5		74	5	9	1.00	1.4	0.0	19	2	0	0	5.9	5.9	2	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
48	0.00	11	1	5	1.00	-0.9	0.0	19	1	0	0	5.9	5.9	2	0.0	1.3	0.0	23.0	44.5	20.3	0.0	1	3	0.0	16	70
0	0.00	40	3	5	1.00	-0.9	0.0	19	1	0	0	5.9	5.9	2	0.0	1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	5
2.5		74	5	5	1.00	-0.9	0.0	19	1	0	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
40	0.00	11	1	3	1.00	-1.6	0.0	19	1	0	0	5.9	5.9	2	0.0	1.8	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
24	0.00	40	3	5	1.00	1.1	0.0	19	1	0	0	5.9	5.9	2	0.0	1.2	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	256
2.5		74	5	5	1.00	1.2	0.0	19	1	0	0	5.9	5.9	1	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	70
20	0.00	11	1	7	1.00	-2.6	0.0	19	2	1	0	5.9	5.9	2	0.0	1.5	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	70
36	0.00	40	3	7	1.00	-1.5	0.0	19	1	0	0	5.9	5.9	2	0.0	1.2	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	256
2.5		74	5	9	1.00	-1.0	0.0	19	1	0	0	5.9	5.9	2	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
1	0.00	11	1	9	1.00	-0.6	0.0	19	0	0	0	5.9	5.9	2	0.0	-0.8	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
0	0.00	40	3	9	1.00	-0.6	0.0	19	0	0	0	5.9	5.9	1	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	4
2.5		74	5	9	1.00	-0.6	0.0	19	0	0	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
2	0.00	11	1	9	1.00	-1.9	0.0	17	2	0	0	5.9	5.9	2	0.0	-2.6	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	70
3	0.00	40	3	9	1.00	-1.9	0.0	17	2	0	0	5.9	5.9	2	0.0	-1.1	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	97
2.5		74	5	9	1.00	-1.6	0.0	17	2	0	0	5.9	5.9	4	0.0	1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
3	0.00	11	1	7	1.00	-1.0	0.0	17	1	0	0	5.9	5.9	2	0.0	-1.7	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
4	0.00	40	3	7	1.00	-1.0	0.0	17	1	0	0	5.9	5.9	9	0.0	1.4	0.0	23.0	44.5	15.4	0.0	1	3	0.0	16	108
2.5		74	5	5	1.00	1.1	0.0	17	1	0	0	5.9	5.9	5	0.0	2.3	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	70
4	0.00	11	1	8	1.00	1.0	0.0	17	1	0	0	5.9	5.9	2	0.0	-1.9	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
5	0.00	40	3	2	1.00	-0.5	0.0	17	1	0	0	5.9	5.9	6	0.0	-0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	0
2.5		74	5	9	1.00	1.0	0.0	17	1	0	0	5.9	5.9	3	0.0	1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	180
5	0.00	11	1	8	1.00	0.9	0.0	17	1	0	0	5.9	5.9	6	0.0	-1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
5	0.00	40	3	7	1.00	-0.3	0.0	17	0	0	0	5.9	5.9	3	0.0	0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	108
2.5		74	5	7	1.00	1.2	0.0	17	1	0	0	5.9	5.9	2	0.0	1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
6	0.00	11	1	8	1.00	1.2	0.0	17	1	0	0	5.9	5.9	2	0.0	-2.1	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
7	0.00	40	3	7	1.00	-0.7	0.0	17	1	0	0	5.9	5.9	2	0.0	-1.0	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	108
2.5		74	5	3	1.00	0.3	0.0	17	0	0	0	5.9	5.9	2	0.0	1.4	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
7	0.00	11	1	3	1.00	-0.9	0.0	17	1	0	0	5.9	5.9	7	0.0	-1.9	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
8	0.00	40	3	3	1.00	-0.9	0.0	17	1	0	0	5.9	5.9	2	0.0	1.4	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	0
2.5		74	5	9	1.00	1.4	0.0	17	2	0	0	5.9	5.9	7	0.0	2.7	0.0	23.0	44.5	15.4	0.0	3	6	0.0	16	179
8	0.00	11	1	9	1.00	0.9	0.0	17	1	0	0	5.9	5.9	4	0.0	-2.9	0.0	23.0	44.5	15.4	0.0	3	6	0.0	16	70
9	0.00	40	3	8	1.00	-2.0	0.0	17	2	1	0	5.9	5.9	4	0.0	-1.7	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	0
2.5		74	5	8	1.00	-2.0	0.0	17	2	1	0	5.9	5.9	3	0.0	2.2	0.0	23.0	44.5	15.4	0.0	2	5	0.0	16	166
9	0.00	11	1	4	1.00	0.8	0.0	17	1	0	0	5.9	5.9	4	0.0	-1.5	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	70
10	0.00	40	3	4	1.00	-1.3	0.0	17	2	0	0	5.9	5.9	4	0.0	-1.2	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	83
2.5		74	5	4	1.00	-1.3	0.0	17	2	0	0	5.9	5.9	2	0.0	0.4	0.0	23.0	44.5	15.4	0.0	1	1	0.0	16	70
10	0.00	11	1	7	1.00	-1.3	0.0	17	2	0	0	5.9	5.9	4	0.0	-1.2	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	70
11	0.00	40	3	7	1.00	-1.3	0.0	17	2	0	0	5.9	5.9	3	0.0	0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	0
2.5		74	5	8	1.00	-1.1	0.0	17	1	0	0	5.9	5.9	2	0.0	1.4	0.0	23.0	44.5	15.4	0.0	2	3	0.0	16	154
11	0.00	11	1	6	1.00	-1.1	0.0	17	1	0	0	5.9	5.9	4	0.0	-2.1	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	70
12	0.00	40	3	4	1.00	-1.9	0.0	17	2	0	0	5.9	5.9	4	0.0	-1.3	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	83
2.5		74	5	4	1.00	-1.8	0.0	17	2	0	0	5.9	5.9	2	0.0	0.5	0.0	23.0	44.5	15.4	0.0	1	1	0.0	16	70
12	0.00	11	1	6	1.00	-1.7	0.0	17	2	0	0	5.9	5.9	5	0.0	-0.9	0.0	23.0	44.5	15.4	0.0	1	2	0.0	16	70
13	0.00	40	3	6	1.00	-1.7	0.0	17	2	0	0	5.9	5.9	2	0.0	0.9	0.0	23.0								





3	4.25	4	1	2	-0.2	0.0	9.2	0	6	5	4.0	4.0	9	0.0	0.7	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40
4	4.25	30	3	3	-0.1	0.0	9.4	0	6	5	4.0	4.0	2	0.0	-0.4	0.0	13.1	18.0	4.1	0.0	1	2	0.0	20	168
2.5		40	5	7	0.0	0.0	9.2	0	5	5	4.0	4.0	2	0.0	-0.5	0.0	41.0	42.4	4.6	0.0	1	1	0.0	9	40
4	4.25	4	1	2	-0.1	0.0	9.2	0	6	5	4.0	4.0	9	0.0	0.7	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40
5	4.25	30	3	3	-0.1	0.0	9.3	0	6	5	4.0	4.0	9	0.0	0.6	0.0	13.1	18.0	4.1	0.0	1	3	0.0	20	170
2.5		40	5	3	-0.2	0.0	9.3	0	6	5	4.0	4.0	6	0.0	-0.7	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40
5	4.25	4	1	2	-0.1	0.0	9.2	0	6	5	4.0	4.0	7	0.0	0.7	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40
6	4.25	30	3	3	0.4	0.0	9.3	0	7	4	4.0	4.0	7	0.0	0.6	0.0	13.1	18.0	4.1	0.0	1	3	0.0	20	169
2.5		40	5	3	-0.1	0.0	9.3	0	6	5	4.0	4.0	6	0.0	-0.7	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40
6	4.25	4	1	2	-0.1	0.0	9.2	0	6	5	4.0	4.0	7	0.0	0.7	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40
7	4.25	30	3	3	0.3	0.1	9.3	0	7	4	4.0	4.0	6	0.0	-0.5	0.0	13.1	18.0	4.1	0.0	1	3	0.0	20	168
2.5		40	5	3	-0.1	0.1	9.3	0	6	5	4.0	4.0	4	0.1	-0.6	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40
7	4.25	4	1	2	-0.2	0.1	9.2	0	6	5	4.0	4.0	2	0.3	0.4	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40
8	4.25	30	3	3	0.4	-0.3	9.4	0	7	4	4.0	4.0	2	0.3	0.3	0.0	13.1	18.0	4.1	0.0	2	2	0.0	20	169
2.5		40	5	7	-0.1	0.1	9.1	0	6	5	4.0	4.0	2	0.3	-0.3	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40
8	4.25	4	1	9	-0.8	1.1	0.3	18	3	1	4.0	4.0	5	0.5	1.0	0.0	41.2	42.6	4.6	0.0	3	2	0.0	9	40
18	4.25	30	3	9	0.7	0.7	0.3	18	3	1	4.0	4.0	9	0.3	1.0	0.0	13.1	18.0	4.1	0.0	3	5	0.0	20	239
2.5		40	5	6	-1.0	-0.1	-0.5	20	3	1	4.0	4.0	2	-0.5	-1.0	0.0	41.2	42.6	4.6	0.0	3	2	0.0	9	40
8	4.25	4	1	6	0.1	0.5	8.6	0	5	5	4.0	4.0	9	-0.5	0.9	0.0	41.0	42.4	4.6	0.0	3	2	0.0	9	40
9	4.25	30	3	5	-0.1	-0.5	8.2	0	5	5	4.0	4.0	7	-0.2	0.9	0.0	13.1	18.0	4.1	0.0	3	5	0.0	20	156
2.5		40	5	2	0.1	-0.5	9.2	0	6	5	4.0	4.0	6	0.4	-0.7	0.0	41.0	42.4	4.6	0.0	3	2	0.0	9	40
9	4.25	4	1	9	-1.0	1.1	-0.1	19	4	1	4.0	4.0	9	0.3	1.1	0.0	41.1	42.5	4.6	0.0	3	2	0.0	9	40
19	4.25	30	3	3	0.9	-0.2	0.0	19	3	1	4.0	4.0	5	0.2	0.9	0.0	13.1	18.0	4.1	0.0	3	5	0.0	20	285
2.5		40	5	2	-0.8	0.0	0.0	19	3	1	4.0	4.0	2	-0.2	-0.9	0.0	41.1	42.5	4.6	0.0	3	2	0.0	9	40
9	4.25	4	1	5	-0.1	-0.4	9.0	0	6	5	4.0	4.0	7	-0.2	1.5	0.0	41.0	42.4	4.6	0.0	4	3	0.0	9	40
10	4.25	30	3	5	0.3	-0.3	9.0	0	6	4	4.0	4.0	7	-0.2	1.3	0.0	13.1	18.0	4.1	0.0	3	7	0.0	20	144
2.5		40	5	5	-0.3	0.1	9.0	0	6	4	4.0	4.0	8	0.2	-1.0	0.0	41.0	42.4	4.6	0.0	3	2	0.0	9	40
10	4.25	4	1	6	0.2	-0.1	9.1	0	6	5	4.0	4.0	3	0.0	0.8	0.0	29.0	40.0	9.1	0.0	2	2	0.0	9	40
11	4.25	30	3	8	0.3	-0.1	9.4	0	7	4	4.0	4.0	4	0.0	-0.7	0.0	13.1	18.0	4.1	0.0	2	4	0.0	20	144
2.5		40	5	6	-0.4	0.0	9.1	0	7	4	4.0	4.0	4	0.0	-0.9	0.0	41.0	42.4	4.6	0.0	2	2	0.0	9	40
11	4.25	4	1	8	0.0	0.0	9.7	0	6	6	4.0	4.0	2	0.0	0.7	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40
12	4.25	30	3	6	-0.1	0.0	9.3	0	6	5	4.0	4.0	5	0.0	-0.7	0.0	13.1	18.0	4.1	0.0	2	4	0.0	20	144
2.5		40	5	6	-0.3	0.0	9.3	0	7	4	4.0	4.0	5	0.0	-0.9	0.0	41.0	42.4	4.6	0.0	2	2	0.0	9	40
12	4.25	4	1	4	0.1	0.0	10.0	0	6	5	4.0	4.0	2	0.0	0.7	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40
13	4.25	30	3	4	0.3	0.0	10.0	0	7	5	4.0	4.0	5	0.0	-0.5	0.0	13.1	18.0	4.1	0.0	1	3	0.0	20	144
2.5		40	5	8	0.1	0.0	9.8	0	6	5	4.0	4.0	5	0.0	-0.7	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40
13	4.25	4	1	5	-0.1	0.0	9.8	0	6	5	4.0	4.0	8	0.0	0.8	0.0	29.0	40.0	9.1	0.0	2	2	0.0	9	40
14	4.25	30	3	4	0.3	0.0	10.0	0	7	5	4.0	4.0	7	0.0	-0.7	0.0	13.1	18.0	4.1	0.0	2	4	0.0	20	144
2.5		40	5	5	0.0	0.0	9.8	0	6	6	4.0	4.0	7	0.0	-0.8	0.0	29.0	40.0	9.1	0.0	2	2	0.0	9	40
14	4.25	4	1	9	0.2	0.0	9.5	0	6	5	4.0	4.0	8	0.0	1.0	0.0	41.0	42.4	4.6	0.0	2	2	0.0	9	40
15	4.25	30	3	5	0.3	0.0	9.9	0	7	5	4.0	4.0	4	0.0	0.7	0.0	13.1	18.0	4.1	0.0	2	4	0.0	20	145
2.5		40	5	5	0.2	0.0	9.9	0	6	5	4.0	4.0	7	0.0	-0.8	0.0	29.0	40.0	9.1	0.0	2	2	0.0	9	40
15	4.25	4	1	9	0.0	0.0	9.6	0	6	6	4.0	4.0	4	0.0	1.0	0.0	41.0	42.4	4.6	0.0	2	2	0.0	9	40
16	4.25	30	3	5	0.3	0.0	9.6	0	7	4	4.0	4.0	4	0.0	0.8	0.0	13.1	18.0	4.1	0.0	2	4	0.0	20	144
2.5		40	5	9	-0.3	0.0	9.6	0	7	4	4.0	4.0	3	0.0	-0.7	0.0	41.0	42.4	4.6	0.0	2	1	0.0	9	40

STAMPA PROGETTO S.L.D. - E.C. - ACCIAIO

VERIFICHE ASTE IN ACCIAIO 3D																								
DATI DI ASTA	Fili N.ro	Quota (m)	Tra to	Cmb N.r	N Sd (daN)	MxSd (daN*m)	MySd (daN*m)	VxSd (daN)	VySd (daN)	T Sd (daN*m)	N Rd	MxV.Rd	MyV.Rd	VxplRd (daN/cm)	VyplRd	T Rd	fy rid	Rap						
Sez.N.937	36	5.50	7	-9115	-87	-61	55	130	-15	847330	184094	50967	102993	386226	71114	2350	1							
profilo an	qn=	-365	7	-9115	-63	-68	55	-3	-15	847330	184094	50967	102993	386226	71114	2350	1							
Asta: 132	37	5.50	7	-9115	-66	-69	55	-37	-15	847330	184094	50967	102993	386226	71114	2350	1							
Instab.:1=	58.9	g*1=	41.2	-8782	62	195	clas.=2	lmd=	4	R*pf=	1	R*ft=	0	Wmax/rel/lim=	0.00	0.00	0.00	0.00	cm					
Sez.N.937	37	5.50	7	-9111	-49	-118	-88	41	10	847330	184094	50967	102993	386226	71114	2350	1							
profilo an	qn=	-365	7	-9111	-48	-112	-88	0	10	847330	184094	50967	102993	386226	71114	2350	1							
Asta: 133	38	5.50	7	-9111	-79	-92	-88	-125	10	847330	184094	50967	102993	386226	71114	2350	1							
Instab.:1=	58.7	g*1=	41.1	-9007	40	164	clas.=2	lmd=	4	R*pf=	1	R*ft=	0	Wmax/rel/lim=	0.00	0.00	0.00	0.00	cm					
Sez.N.937	38	5.50	3	-9142	-102	-48	90	118	-28	847330	184094	50965	102993	386226	71114	2350	1							
profilo an	qn=	-365	3	-9142	-72	-93	90	-6	-28	847330	184094	50965	102993	386226	71114	2350	1							
Asta: 134	39	5.50	3	-9142	-74	-109	90	-47	-28	847330	184094	50965	102993	386226	71114	2350	1							
Instab.:1=	58.5	g*1=	41.0	-8498	78	211	clas.=2	lmd=	4	R*pf=	1	R*ft=	0	Wmax/rel/lim=	0.00	0.00	0.00	0.00	cm					
Sez.N.937	39	5.50	3	-9182	-71	-116	-96	71	26	847330	184094	50963	102993	386226	71114	2350	1							
profilo an	qn=	-365	3	-9182	-67	-100	-96	-3	26	847330	184094	50963	102993	386226	71114	2350	1							
Asta: 135	40	5.50	3	-9182	-88	-81	-96	-94	26	847330	184094	50963	102993	386226	71114	2350	1							
Instab.:1=	58.4	g*1=	40.9																					

profilo an	qn=	-365	4	-9013	-118	185	-101	-3	20	847330	184094	50973	102993	386226	71114	2350	1	
Asta: 142	qn=	47	5.50	4	-9013	-122	206	-101	-69	20	847330	184094	50973	102993	386226	71114	2350	1
Instab.:1=	58.5	58.5	41.0	-8913	140	206	188	112	4	R&pf=	1	R&ft=	0	Wmax/rel/lim=0.00	0.00	0.00	cm	

Sez.N.937	47	5.50	4	-8976	-126	206	112	111	-5	847330	184094	50976	102993	386226	71114	2350	1
profilo an	qn=	-365	4	-8976	-122	171	112	-5	-5	847330	184094	50976	102993	386226	71114	2350	1
Asta: 143	qn=	48	5.50	4	-8976	-134	156	112	-55	847330	184094	50976	102993	386226	71114	2350	1
Instab.:1=	58.7	58.7	41.1	-8976	134	206	188	112	4	R&pf=	1	R&ft=	0	Wmax/rel/lim=0.00	0.00	0.00	cm

Sez.N.937	48	5.50	4	-8989	-134	188	260	256	-5	847330	184094	50975	102993	386226	71114	2350	1
profilo an	qn=	-365	4	-8989	-74	112	260	172	-5	847330	184094	50975	102993	386226	71114	2350	1
Asta: 144	qn=	49	5.50	4	-8989	-39	35	260	89	847330	184094	50975	102993	386226	71114	2350	1
Instab.:1=	58.8	58.8	41.1	-8989	134	188	211	222	4	R&pf=	1	R&ft=	0	Wmax/rel/lim=0.00	0.00	0.00	cm

Sez.N.937	49	5.50	5	-9009	-81	97	222	117	-20	847330	184094	50974	102993	386226	71114	2350	1
profilo an	qn=	-365	5	-9009	-58	-17	222	-8	-20	847330	184094	50974	102993	386226	71114	2350	1
Asta: 145	qn=	50	5.50	5	-9009	-62	-54	222	-49	847330	184094	50974	102993	386226	71114	2350	1
Instab.:1=	58.9	58.9	41.2	-8791	40	211	222	117	4	R&pf=	1	R&ft=	0	Wmax/rel/lim=0.00	0.00	0.00	cm

Sez.N.937	50	5.50	5	-9057	-60	-65	225	239	22	847330	184094	50971	102993	386226	71114	2350	1
profilo an	qn=	-365	5	-9057	11	-124	225	156	22	847330	184094	50971	102993	386226	71114	2350	1
Asta: 146	qn=	51	5.50	5	-9057	57	-183	225	72	847330	184094	50971	102993	386226	71114	2350	1
Instab.:1=	58.8	58.8	41.2	-8990	99	220	225	239	4	R&pf=	1	R&ft=	0	Wmax/rel/lim=0.00	0.00	0.00	cm

Sez.N.937	51	5.50	9	-9080	-37	-59	90	8	29	847330	184094	50969	102993	386226	71114	2350	1
profilo an	qn=	-365	9	-9080	-35	-63	90	-1	29	847330	184094	50969	102993	386226	71114	2350	1
Asta: 147	qn=	36	5.50	9	-9080	-55	-141	90	-159	847330	184094	50969	102993	386226	71114	2350	1
Instab.:1=	58.8	58.8	41.1	-8924	61	221	225	239	4	R&pf=	1	R&ft=	0	Wmax/rel/lim=0.00	0.00	0.00	cm

STAMPA PROGETTO S.L.D. - E.C. - LEGNO

Mat. N.ro	Comb N.ro	Classe durata di riferimento	fmd kg/cmq	fcd kg/cmq	ftd kg/cmq	fvd kg/cmq
101	0	Permanente	144.0	126.0	84.0	13.2
	1	Media Durata	192.0	168.0	112.0	17.6
	2	Istantaneo	264.0	231.0	154.0	24.2
	3	Istantaneo	264.0	231.0	154.0	24.2
	4	Istantaneo	264.0	231.0	154.0	24.2
	5	Istantaneo	264.0	231.0	154.0	24.2
	6	Istantaneo	264.0	231.0	154.0	24.2
	7	Istantaneo	264.0	231.0	154.0	24.2
	8	Istantaneo	264.0	231.0	154.0	24.2
	9	Istantaneo	264.0	231.0	154.0	24.2

STAMPA PROGETTO S.L.D. - E.C. - LEGNO

VERIFICHE ASTE IN LEGNO																		
DATI DI ASTA	Fili N.ro	Quota (m)	Trat to	Cmb N.r	N Sd (daN)	MxSd (daN*m)	MySd (daN*m)	VxSd (daN)	VySd (daN)	T Sd (daN*m)	on	oMx	oMy	tx (daN/cmq)	ty	tMt	Rapp. Fless	Rapp. Taglio
Sez.N.933	3	4.25	9	-3705	0	0	15	498	-1	3	0	0	0	1	0	0.00	0.03	
Leg18x68.7	qn=	-306	8	-3485	738	38	-13	-9	1	3	5	1	0	0	0	0.02	0.00	
Asta: 116	37	5.50	7	-3574	-25	-79	14	-501	-1	3	0	2	0	1	0	0.01	0.03	
Instab.:1=	563.5	563.5	394.5	-3582	722	40	1rx=0.30	lry=1.14	Rx=0.00	Ry=0.04	Wmax/rel/lim=0.00	0.00	0.00	0.00	cm			

Asta: 125	45	5.50	7	-3196	4	0	0	-496	-1	3	0	0	0	1	0	0.00	0.03
Instab.:1=	563.4	§*1=	394.3	-3745	701	0	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.03	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	cm
Sez.N.933	12	4.25	7	-3427	0	0	14	512	-1	3	0	0	0	1	0	0.00	0.03
Leg18x68.7	gn=	-305	7	-3310	743	-42	14	-7	-1	3	5	1	0	0	0	0.02	0.00
Asta: 126	46	5.50	8	-3748	-65	75	-13	-508	1	3	0	2	0	1	0	0.01	0.03
Instab.:1=	563.5	§*1=	394.5	-3861	668	37	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.04	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.933	13	4.25	7	-3503	0	0	0	497	-1	3	0	0	0	1	0	0.00	0.03
Leg18x68.7	gn=	-306	4	-3880	701	0	0	-4	0	3	5	0	0	0	0	0.02	0.00
Asta: 127	47	5.50	7	-3277	4	0	0	-496	-1	3	0	0	0	1	0	0.00	0.03
Instab.:1=	563.4	§*1=	394.3	-3882	701	0	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.03	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	cm
Sez.N.933	14	4.25	6	-3587	0	0	-14	501	1	3	0	0	0	1	0	0.00	0.03
Leg18x68.7	gn=	-306	7	-3605	731	-44	15	-3	-1	3	5	1	0	0	0	0.02	0.00
Asta: 128	48	5.50	6	-3361	20	80	-14	-494	1	3	0	2	0	1	0	0.01	0.03
Instab.:1=	563.5	§*1=	394.5	-3750	711	-41	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.04	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.933	15	4.25	6	-3471	0	0	0	498	1	3	0	0	0	1	0	0.00	0.03
Leg18x68.7	gn=	-306	5	-3788	702	0	0	-4	-1	3	5	0	0	0	0	0.02	0.00
Asta: 129	49	5.50	6	-3245	4	0	0	-496	1	3	0	0	0	1	0	0.00	0.03
Instab.:1=	563.3	§*1=	394.3	-3790	702	0	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.03	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	cm
Sez.N.933	16	4.25	6	-3374	0	0	-14	508	1	3	0	0	0	1	0	0.00	0.03
Leg18x68.7	gn=	-306	6	-3258	731	40	-14	-3	1	3	5	1	0	0	0	0.02	0.00
Asta: 130	50	5.50	9	-3645	-68	-77	14	-509	-1	3	0	2	0	1	0	0.01	0.03
Instab.:1=	563.5	§*1=	394.5	-3689	679	-41	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.04	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.933	17	4.25	9	-3710	0	0	0	497	-1	3	0	0	0	1	0	0.00	0.03
Leg18x68.7	gn=	-306	7	-3638	702	0	0	-4	-1	3	5	0	0	0	0	0.02	0.00
Asta: 131	51	5.50	9	-3484	4	0	0	-496	-1	3	0	0	0	1	0	0.00	0.03
Instab.:1=	563.3	§*1=	394.3	-3640	701	0	0	lrx=0.30	lry=1.14	Rx=0.00	Ry=0.03	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	37	6.50	3	-202	0	0	-19	23	0	1	0	1	0	0	0	0.00	0.01
Leg16x24	gn=	0	3	-209	11	10	-19	23	0	1	1	1	0	0	0	0.01	0.01
Asta: 148	37	5.50	2	-217	30	15	-14	30	0	1	2	1	0	0	0	0.01	0.01
Instab.:1=	100.0	§*1=	70.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	39	6.50	2	-202	0	0	-17	17	0	1	0	0	0	0	0	0.00	0.01
Leg16x24	gn=	0	2	-209	9	9	-17	17	0	1	1	1	0	0	0	0.00	0.01
Asta: 149	39	5.50	2	-215	17	17	-17	17	0	1	1	2	0	0	0	0.01	0.01
Instab.:1=	100.0	§*1=	70.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	41	6.50	3	-207	0	0	-16	-26	0	1	0	0	0	0	0	0.00	0.01
Leg16x24	gn=	0	3	-214	-13	8	-16	-26	0	1	1	1	0	0	0	0.01	0.01
Asta: 150	41	5.50	3	-221	-26	16	-16	-26	0	1	2	2	0	0	0	0.01	0.01
Instab.:1=	100.0	§*1=	70.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	43	6.50	2	-205	0	0	-16	-29	0	1	0	0	0	0	0	0.00	0.01
Leg16x24	gn=	0	2	-212	-15	8	-16	-29	0	1	1	1	0	0	0	0.01	0.01
Asta: 151	43	5.50	3	-220	-37	10	-10	-37	0	1	2	1	0	0	0	0.01	0.01
Instab.:1=	100.0	§*1=	70.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	45	6.50	5	-202	0	0	11	-43	0	1	0	0	0	0	0	0.00	0.01
Leg16x24	gn=	0	5	-209	-22	-5	11	-43	0	1	1	1	0	0	0	0.01	0.01
Asta: 152	45	5.50	5	-215	-43	-11	11	-43	0	1	3	1	0	0	0	0.01	0.01
Instab.:1=	100.0	§*1=	70.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	47	6.50	8	-209	0	0	23	32	0	1	0	0	0	0	0	0.00	0.01
Leg16x24	gn=	0	8	-216	16	-12	23	32	0	1	1	1	0	0	0	0.01	0.01
Asta: 153	47	5.50	5	-223	-27	-26	26	-27	0	1	2	3	0	0	0	0.01	0.01
Instab.:1=	100.0	§*1=	70.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	49	6.50	4	-207	0	0	18	40	0	1	0	0	0	0	0	0.00	0.01
Leg16x24	gn=	0	4	-214	20	-9	18	40	0	1	1	1	0	0	0	0.01	0.01
Asta: 154	49	5.50	4	-221	40	-18	18	40	0	1	3	2	0	0	0	0.01	0.01
Instab.:1=	100.0	§*1=	70.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	51	6.50	7	-211	0	0	18	-28	0	1	0	0	0	0	0	0.00	0.01
Leg16x24	gn=	0	7	-218	-14	-9	18	-28	0	1	1	1	0	0	0	0.01	0.01
Asta: 155	51	5.50	3	-225	-40	-13	13	-40	0	1	3	1	0	0	0	0.01	0.01
Instab.:1=	100.0	§*1=	70.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	1	6.80	2	-78	0	0	-1	19	0	0	0	0	0	0	0	0.00	0.00
Leg16x24	gn=	-258	7	-72	-3	0	0	-25	0	0	0	0	0	0	0	0.00	0.00
Asta: 156	43	6.50	7	-81	-38	1	0	-68	0	0	3	0	0	0	0	0.01	0.01
Instab.:1=	152.1	§*1=	106.5	-92	-37	1	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.01	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	1	6.80	8	-69	16	1	2	7	0	0	1	0	0	0	0	0.00	0.00
Leg16x24	gn=	-258	9	-77	16	0	0	-3	0	0	1	0	0	0	0	0.00	0.00
Asta: 157	41	6.50	4	-85	-40	-1	1	-80	0	0	3	0	0	0	0	0.01	0.01
Instab.:1=	152.2	§*1=	106.6	-85	-40	-1	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.01	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	1	6.80	7	-74	0	0	0	19	0	0	0	0	0	0	0	0.00	0.00
Leg16x24	gn=	-258	4	-82	-4	0	0	-27	0	0	0	0	0	0	0	0.00	0.00
Asta: 158	39	6.50	4	-90	-39	0	0	-69	0	0	3	0	0	0	0	0.01	0.01
Instab.:1=	152.8	§*1=	106.9	-90	-39	0	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.01	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	1	6.80	2	-78	0	0	0	19	0	0	0	0	0	0	0	0.00	0.00
Leg16x24	gn=	-258	6	-80	-3	0	0	-27	0	0	0	0	0	0	0	0.00	0.00
Asta: 159	37	6.50	6	-88	-39	-1	0	-69	0	0	3	0	0	0	0	0.01	0.01
Instab.:1=	153.4	§*1=	107.4	-88	-39	-1	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.01	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	1	6.80	5	-65	16	-2	-2	7	0	0	1	0	0	0	0	0.00	0.00
Leg16x24	gn=	-258	9	-78	16	-1	0	-1	0	0	1	0	0	0	0	0.00	0.00
Asta: 160	51	6.50	4	-76	-41	2	-2	-80	0	0	3	0	0	0	0	0.01	0.01
Instab.:1=	153.8	§*1=	107.7	-76	-41	2	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.01	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	1	6.80	7	-77	0	0	1	19	0	0	0	0	0	0	0	0.00	0.00
Leg16x24	gn=	-258	3	-72	-3	-1	1	-27	0	0	0	0	0	0	0	0.00	0.00
Asta: 161	49	6.50	3	-81	-39	-1	1	-69	0	0	3	0	0	0	0	0.01	0.01
Instab.:1=	153.7	§*1=	107.6	-83	-38	-2	lrx=0.23	lry=0.35	Rx=0.00	Ry=0.01	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	1	6.80	8	-89	7	-1	-1	14	0	0	0	0	0	0	0	0.00	0.00
Leg16x24	gn=	-258	9	-77	9	0	1	-1	0	0	1	0	0	0	0	0.00	0.00
Asta: 162	47	6.50	2	-79	-40	1											

Sez.N.938	45	6.50	8	102	-3	-7	-23	7	0	0	0	1	0	0	0	0.00	0.01
Leg16x24	gn=	-13	8	102	-2	0	-23	3	0	0	0	0	0	0	0	0.00	0.00
Asta: 166	46	6.50	8	102	-1	6	-23	-1	0	0	0	1	0	0	0	0.00	0.00
Instab.:1=	58.4	g*1=	40.9	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	46	6.50	9	78	-2	5	21	1	0	0	0	0	0	0	0	0.00	0.00
Leg16x24	gn=	-13	5	97	-2	-1	23	-3	0	0	0	0	0	0	0	0.00	0.01
Asta: 167	47	6.50	5	97	-3	-8	23	-7	0	0	0	1	0	0	0	0.01	0.01
Instab.:1=	58.5	g*1=	41.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	47	6.50	8	87	-3	-8	-23	6	0	0	0	1	0	0	0	0.01	0.01
Leg16x24	gn=	-13	9	98	-2	6	-14	0	0	0	0	1	0	0	0	0.00	0.00
Asta: 168	48	6.50	9	98	-2	6	-14	0	0	0	0	1	0	0	0	0.00	0.00
Instab.:1=	58.7	g*1=	41.1	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	48	6.50	9	87	-2	6	23	0	0	0	0	1	0	0	0	0.00	0.01
Leg16x24	gn=	-13	9	87	-3	-1	23	-4	0	0	0	0	0	0	0	0.00	0.01
Asta: 169	49	6.50	9	87	-4	-8	23	-8	0	0	0	1	0	0	0	0.01	0.01
Instab.:1=	58.8	g*1=	41.1	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	49	6.50	4	87	-4	-8	-22	9	0	0	0	1	0	0	0	0.01	0.01
Leg16x24	gn=	-13	4	87	-2	-1	-22	6	0	0	0	0	0	0	0	0.00	0.01
Asta: 170	50	6.50	4	87	-1	5	-22	2	0	0	0	0	0	0	0	0.00	0.00
Instab.:1=	58.9	g*1=	41.2	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	50	6.50	9	97	-1	6	21	3	0	0	0	1	0	0	0	0.00	0.00
Leg16x24	gn=	-13	9	97	-1	-1	21	-1	0	0	0	0	0	0	0	0.00	0.00
Asta: 171	51	6.50	7	92	-2	-8	23	-5	0	0	0	1	0	0	0	0.00	0.00
Instab.:1=	58.8	g*1=	41.2	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	51	6.50	9	93	-2	-4	-19	6	0	0	0	0	0	0	0	0.00	0.00
Leg16x24	gn=	39	9	93	-1	1	-19	2	0	0	0	0	0	0	0	0.00	0.00
Asta: 172	36	6.50	7	99	-1	6	-18	-2	0	0	0	1	0	0	0	0.00	0.00
Instab.:1=	58.8	g*1=	41.1	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	36	6.50	3	94	-1	6	23	-1	0	0	0	1	0	0	0	0.00	0.01
Leg16x24	gn=	59	3	94	-2	-1	23	-5	0	0	0	0	0	0	0	0.00	0.01
Asta: 173	37	6.50	3	94	-4	-8	23	-9	0	0	0	1	0	0	0	0.01	0.01
Instab.:1=	58.9	g*1=	41.2	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	37	6.50	3	101	-5	-4	-19	8	0	0	0	0	0	0	0	0.00	0.01
Leg16x24	gn=	69	3	101	-3	1	-19	4	0	0	0	0	0	0	0	0.00	0.01
Asta: 174	38	6.50	7	97	-2	6	-20	0	0	0	0	1	0	0	0	0.00	0.00
Instab.:1=	58.7	g*1=	41.1	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	38	6.50	3	100	-2	6	22	0	0	0	0	1	0	0	0	0.00	0.00
Leg16x24	gn=	69	3	100	-3	0	22	-3	0	0	0	0	0	0	0	0.00	0.01
Asta: 175	39	6.50	3	100	-4	-6	22	-7	0	0	0	1	0	0	0	0.00	0.01
Instab.:1=	58.5	g*1=	41.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	39	6.50	3	99	-4	-7	-21	10	0	0	0	1	0	0	0	0.00	0.01
Leg16x24	gn=	59	3	99	-2	0	-21	6	0	0	0	0	0	0	0	0.00	0.01
Asta: 176	40	6.50	3	99	-1	6	-21	2	0	0	0	1	0	0	0	0.00	0.01
Instab.:1=	58.4	g*1=	40.9	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	40	6.50	9	88	-1	5	15	2	0	0	0	1	0	0	0	0.00	0.00
Leg16x24	gn=	-13	9	88	-1	3	15	0	0	0	0	0	0	0	0	0.00	0.00
Asta: 177	41	6.50	8	81	-2	-6	19	-5	0	0	0	1	0	0	0	0.00	0.00
Instab.:1=	58.3	g*1=	40.8	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	41	6.50	3	93	-2	-7	-22	5	0	0	0	1	0	0	0	0.00	0.00
Leg16x24	gn=	-13	3	74	-2	-1	-17	2	0	0	0	0	0	0	0	0.00	0.00
Asta: 178	42	6.50	9	74	-2	4	-17	-2	0	0	0	0	0	0	0	0.00	0.00
Instab.:1=	58.2	g*1=	40.7	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	42	6.50	8	88	-1	5	20	-1	0	0	0	0	0	0	0	0.00	0.00
Leg16x24	gn=	-13	8	88	-2	-1	20	-5	0	0	0	0	0	0	0	0.00	0.01
Asta: 179	43	6.50	8	88	-4	-6	20	-9	0	0	0	1	0	0	0	0.00	0.01
Instab.:1=	58.2	g*1=	40.7	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	45	6.50	2	16	-41	6	7	101	0	0	3	1	0	0	0	0.01	0.02
Leg16x24	gn=	229	2	7	-10	3	7	51	0	0	1	0	0	0	0	0.00	0.01
Asta: 180	61	6.35	2	-2	0	0	7	1	0	0	0	0	0	0	0	0.00	0.00
Instab.:1=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	43	6.50	5	15	-42	-6	-7	101	0	0	3	1	0	0	0	0.01	0.02
Leg16x24	gn=	-228	5	6	-11	-3	-7	51	0	0	1	0	0	0	0	0.00	0.01
Asta: 181	59	6.35	2	4	0	0	7	-1	0	0	0	0	0	0	0	0.00	0.00
Instab.:1=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	41	6.50	4	15	-42	-4	-5	101	0	0	3	0	0	0	0	0.01	0.02
Leg16x24	gn=	-228	4	5	-11	-2	-5	51	0	0	1	0	0	0	0	0.00	0.01
Asta: 182	57	6.35	3	4	0	0	5	-1	0	0	0	0	0	0	0	0.00	0.00
Instab.:1=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	39	6.50	5	14	-42	3	3	102	0	0	3	0	0	0	0	0.01	0.02
Leg16x24	gn=	-229	5	5	-11	1	3	52	0	0	1	0	0	0	0	0.00	0.01
Asta: 183	55	6.35	2	5	0	0	-3	-1	0	0	0	0	0	0	0	0.00	0.00
Instab.:1=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	37	6.50	4	14	-42	5	6	102	0	0	3	0	0	0	0	0.01	0.02
Leg16x24	gn=	-230	4	4	-11	2	6	52	0	0	1	0	0	0	0	0.00	0.01
Asta: 184	53	6.35	3	5	0	0	-6	-2	0	0	0	0	0	0	0	0.00	0.00
Instab.:1=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	51	6.50	3	18	-41	-6	-7	101	0	0	3	1	0	0	0	0.01	0.02
Leg16x24	gn=	-230	3	8	-10	-3	-7	51	0	0	1	0	0	0	0	0.00	0.01
Asta: 185	67	6.35	3	-1	0	0	-7	1	0	0	0	0	0	0	0	0.00	0.00
Instab.:1=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	49	6.50	8	18	-41	7	9	101	0	0	3	1	0	0	0	0.01	0.02
Leg16x24	gn=	-230	8	9	-10	3	9	51	0	0	1	0	0	0	0	0.00	0.01
Asta: 186	65	6.35	7	1	0	0	-9	0	0	0	0	0	0	0	0	0.00	0.00
Instab.:1=	81.4	g*1=	57.0	0	0	0	lrx=0.00	lry=0.00	Rx=0.00	Ry=0.00	Wmax/rel/lim=0.00	0.00	0.00	0.00	0.00	0.00	cm
Sez.N.938	47	6.50	9	18	-41	-7	-8	100	0	0	3	1	0	0	0	0.01	0.02
Leg16x24	gn=	-229	9	9	-10	-3	-8	50	0	0	1	0	0	0	0	0.00	0.01
Asta:																	



20	0.00		Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	fer cls	3600 90.0	419 8.0	5 5	1 1	-2.7 -2.2	0.0 0.0	0.0 0.0
36	0.00	1	Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	3.4 146 1.8	1 5 1	1 1 1	-0.9 -0.9 -0.5	0.0 0.0 0.0	0.0 0.0 0.0
44	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	11.8 507 11.1	5 5 5	1 1 1	-3.2 -3.2 -3.0	0.0 0.0 0.0	0.0 0.0 0.0
28	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	12.1 521 10.7	1 5 1	1 1 1	-3.3 -3.3 -2.9	0.0 0.0 0.0	0.0 0.0 0.0
14	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	14.4 618 11.7	5 5 5	1 1 1	-3.9 -3.9 -3.2	0.0 0.0 0.0	0.0 0.0 0.0
32	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	14.0 602 11.9	1 5 1	1 1 1	-3.8 -3.8 -3.3	0.0 0.0 0.0	0.0 0.0 0.0
1	0.00	1	Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	3.6 155 2.5	5 5 5	1 1 1	-1.0 -1.0 -0.7	0.0 0.0 0.0	0.0 0.0 0.0
24	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	1.8 74 4.6	1 5 1	1 1 1	0.4 -0.5 1.0	0.0 0.0 0.0	0.0 0.0 0.0
12	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	14.7 634 11.8	5 5 5	1 1 1	-4.0 -4.0 -3.2	0.0 0.0 0.0	0.0 0.0 0.0
8	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	3.7 141 3.3	1 1 5	1 1 1	0.8 0.8 -0.9	0.0 0.0 0.0	0.0 0.0 0.0
4	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	1.6 68 3.9	1 1 5	1 1 1	-0.4 -0.4 0.8	0.0 0.0 0.0	0.0 0.0 0.0
16	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	14.2 611 11.9	5 5 5	1 1 1	-3.9 -3.9 -3.2	0.0 0.0 0.0	0.0 0.0 0.0
34	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	14.1 609 12.3	1 1 1	1 1 1	-3.9 -3.9 -3.4	0.0 0.0 0.0	0.0 0.0 0.0
22	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	7.2 310 4.8	5 5 5	1 1 1	-2.0 -2.0 -1.3	0.0 0.0 0.0	0.0 0.0 0.0
26	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	6.9 297 3.8	5 5 5	1 1 1	-1.9 -1.9 -1.0	0.0 0.0 0.0	0.0 0.0 0.0
30	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	14.5 625 12.1	1 1 1	1 1 1	-4.0 -4.0 -3.3	0.0 0.0 0.0	0.0 0.0 0.0
9	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	13.0 501 7.6	1 1 1	1 1 1	2.8 2.8 1.6	0.0 0.0 0.0	0.0 0.0 0.0
8	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	4.8 184 2.6	1 1 3	1 1 1	1.0 1.0 0.5	0.0 0.0 0.0	0.0 0.0 0.0
48	0.00	1	Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	4.9 209 3.3	1 1 1	1 1 1	-1.3 -1.3 -0.9	0.0 0.0 0.0	0.0 0.0 0.0
40	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	8.0 341 5.6	1 1 1	1 1 1	-2.2 -2.2 -1.5	0.0 0.0 0.0	0.0 0.0 0.0
20	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	9.3 398 8.1	1 1 1	1 1 1	-2.5 -2.5 -2.2	0.0 0.0 0.0	0.0 0.0 0.0
1	0.00	1	Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	3.4 146 2.2	5 5 5	1 1 1	-0.9 -0.9 -0.6	0.0 0.0 0.0	0.0 0.0 0.0
2	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	10.0 484 7.5	3 3 3	1 1 1	-1.9 -1.9 -1.4	0.0 0.0 0.0	0.0 0.0 0.0
3	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	6.3 306 4.3	2 2 2	1 1 1	-1.2 -1.2 -0.8	0.0 0.0 0.0	0.0 0.0 0.0
4	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	3.8 182 4.2	3 3 1	1 1 1	-0.7 -0.7 0.8	0.0 0.0 0.0	0.0 0.0 0.0
5	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	3.5 170 4.8	5 5 5	1 1 1	0.7 0.7 0.9	0.0 0.0 0.0	0.0 0.0 0.0
6	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	4.0 195 4.7	3 3 1	1 1 1	-0.8 -0.8 0.9	0.0 0.0 0.0	0.0 0.0 0.0
7	0.00		Rara Freq 0.4 Perm 0.3	0.000 0.000	0 0	0 0	0 0	0.0 0.0	0.0 0.0	0.0 0.0	Rara Perm	cls cls	120.0 3600 90.0	5.2 253 3.9	3 3 3	1 1 1	-1.0 -1.0 -0.8	0.0 0.0 0.0	0.0 0.0 0.0
8	0.00		Rara Freq 0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	cls	120.0	8.9	4	1	-1.7	0.0	0.0
9	0.00		Rara Freq 0.4	0.000	0	0	0	0.0	0.0	0.0	Rara	fer	3600	430	4	1	-1.7	0.0	0.0

			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0								Perm cls	90.0	6.9	4	1	-1.3	0.0	0.0
9	0.00		Rara															Rara cls	120.0	5.0	4	1	-1.0	0.0	0.0
10	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	239	4	1	-1.0	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	3.6	4	1	-0.7	0.0	0.0
10	0.00		Rara															Rara cls	120.0	6.6	3	1	-1.3	0.0	0.0
11	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	318	3	1	-1.3	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	5.2	2	1	-1.0	0.0	0.0
11	0.00		Rara															Rara cls	120.0	10.4	4	1	-2.0	0.0	0.0
12	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	506	4	1	-2.0	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	7.4	4	1	-1.4	0.0	0.0
12	0.00		Rara															Rara cls	120.0	9.9	2	1	-1.9	0.0	0.0
13	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	478	2	1	-1.9	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	7.3	2	1	-1.4	0.0	0.0
13	0.00		Rara															Rara cls	120.0	10.0	4	1	-1.9	0.0	0.0
14	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	485	4	1	-1.9	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	7.4	4	1	-1.4	0.0	0.0
14	0.00		Rara															Rara cls	120.0	10.3	2	1	-2.0	0.0	0.0
15	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	499	2	1	-2.0	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	7.5	2	1	-1.5	0.0	0.0
15	0.00		Rara															Rara cls	120.0	9.2	3	1	-1.8	0.0	0.0
16	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	446	3	1	-1.8	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	6.8	4	1	-1.3	0.0	0.0
16	0.00		Rara															Rara cls	120.0	9.3	2	1	-1.8	0.0	0.0
17	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	451	2	1	-1.8	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	6.6	2	1	-1.3	0.0	0.0
17	0.00		Rara															Rara cls	120.0	4.1	3	1	-0.8	0.0	0.0
2	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	195	3	1	-0.8	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	1.9	4	1	-0.4	0.0	0.0
20	0.00		Rara															Rara cls	120.0	5.8	4	1	-1.1	0.0	0.0
21	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	282	4	1	-1.1	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	4.1	3	1	-0.8	0.0	0.0
50	0.00	1	Rara															Rara cls	120.0	4.0	5	1	-0.8	0.0	0.0
51	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	195	5	1	-0.8	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.7	5	1	-0.5	0.0	0.0
51	0.00	1	Rara															Rara cls	120.0	3.8	1	1	-0.7	0.0	0.0
36	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	184	1	1	-0.7	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.6	1	1	-0.5	0.0	0.0
36	0.00	1	Rara															Rara cls	120.0	3.8	5	1	-0.7	0.0	0.0
37	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	182	5	1	-0.7	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.6	5	1	-0.5	0.0	0.0
37	0.00	1	Rara															Rara cls	120.0	3.9	1	1	-0.8	0.0	0.0
38	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	188	1	1	-0.8	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.6	1	1	-0.5	0.0	0.0
38	0.00	1	Rara															Rara cls	120.0	3.8	5	1	-0.7	0.0	0.0
39	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	184	5	1	-0.7	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.4	5	1	-0.5	0.0	0.0
39	0.00	1	Rara															Rara cls	120.0	3.7	1	1	-0.7	0.0	0.0
40	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	176	1	1	-0.7	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.3	1	1	-0.4	0.0	0.0
40	0.00	1	Rara															Rara cls	120.0	3.6	5	1	-0.7	0.0	0.0
41	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	172	5	1	-0.7	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.3	5	1	-0.4	0.0	0.0
41	0.00	1	Rara															Rara cls	120.0	3.8	1	1	-0.7	0.0	0.0
42	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	183	1	1	-0.7	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.4	1	1	-0.5	0.0	0.0
42	0.00	1	Rara															Rara cls	120.0	3.9	5	1	-0.8	0.0	0.0
43	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	189	5	1	-0.8	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.6	5	1	-0.5	0.0	0.0
43	0.00	1	Rara															Rara cls	120.0	3.8	1	1	-0.7	0.0	0.0
44	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	185	1	1	-0.7	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.6	1	1	-0.5	0.0	0.0
44	0.00	1	Rara															Rara cls	120.0	3.8	5	1	-0.7	0.0	0.0
45	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	184	5	1	-0.7	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.5	5	1	-0.5	0.0	0.0
45	0.00	1	Rara															Rara cls	120.0	4.0	1	1	-0.8	0.0	0.0
46	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	194	1	1	-0.8	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.7	1	1	-0.5	0.0	0.0
46	0.00	1	Rara															Rara cls	120.0	3.9	5	1	-0.8	0.0	0.0
47	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	190	5	1	-0.8	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.5	5	1	-0.5	0.0	0.0
47	0.00	1	Rara															Rara cls	120.0	3.7	1	1	-0.7	0.0	0.0
48	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0							Rara fer	3600	179	1	1	-0.7	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0							Perm cls	90.0	2.4	1	1	-0.5	0.0	0.0
48	0.00	1	Rara															Rara cls	120.0	3.6	5	1	-0.7		

			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0										Perm cls	90.0	1.2	4	1	0.2	0.0	0.0
23	0.00		Rara																	Rara cls	120.0	2.9	5	1	-0.6	0.0	0.0
24	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	138	5	1	-0.6	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	1.2	5	1	-0.2	0.0	0.0
24	0.00		Rara																	Rara cls	120.0	2.9	1	1	-0.6	0.0	0.0
25	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	138	1	1	-0.6	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	1.2	1	1	-0.2	0.0	0.0
25	0.00		Rara																	Rara cls	120.0	2.4	5	1	-0.5	0.0	0.0
26	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	114	5	1	-0.5	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	1.1	5	1	-0.2	0.0	0.0
26	0.00		Rara																	Rara cls	120.0	7.1	3	1	-1.4	0.0	0.0
27	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	344	3	1	-1.4	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	7.1	3	1	-1.4	0.0	0.0
27	0.00		Rara																	Rara cls	120.0	5.0	2	1	-1.0	0.0	0.0
28	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	240	2	1	-1.0	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	5.1	2	1	-1.0	0.0	0.0
28	0.00		Rara																	Rara cls	120.0	10.4	5	1	-2.0	0.0	0.0
29	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	503	5	1	-2.0	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	7.6	5	1	-1.5	0.0	0.0
29	0.00		Rara																	Rara cls	120.0	10.3	1	1	-2.0	0.0	0.0
30	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	499	1	1	-2.0	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	7.6	1	1	-1.5	0.0	0.0
30	0.00		Rara																	Rara cls	120.0	10.6	5	1	-2.1	0.0	0.0
31	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	513	5	1	-2.1	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	8.0	5	1	-1.6	0.0	0.0
31	0.00		Rara																	Rara cls	120.0	10.6	1	1	-2.1	0.0	0.0
32	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	512	1	1	-2.1	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	8.0	1	1	-1.6	0.0	0.0
32	0.00		Rara																	Rara cls	120.0	10.2	5	1	-2.0	0.0	0.0
33	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	496	5	1	-2.0	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	7.8	5	1	-1.5	0.0	0.0
33	0.00		Rara																	Rara cls	120.0	10.3	1	1	-2.0	0.0	0.0
34	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	498	1	1	-2.0	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	7.8	1	1	-1.5	0.0	0.0
34	0.00		Rara																	Rara cls	120.0	9.1	5	1	-1.8	0.0	0.0
35	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	442	5	1	-1.8	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	7.0	5	1	-1.4	0.0	0.0
35	0.00		Rara																	Rara cls	120.0	9.2	1	1	-1.8	0.0	0.0
20	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	447	1	1	-1.8	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	7.1	1	1	-1.4	0.0	0.0
18	0.00		Rara																	Rara cls	120.0	7.9	3	1	-1.5	0.0	0.0
19	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	382	3	1	-1.5	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	8.8	3	1	-1.7	0.0	0.0
13	0.00		Rara																	Rara cls	120.0	3.4	5	1	-0.9	0.0	0.0
31	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	147	5	1	-0.9	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	2.6	5	1	-0.7	0.0	0.0
11	0.00		Rara																	Rara cls	120.0	3.4	5	1	-0.9	0.0	0.0
29	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	146	5	1	-0.9	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	2.5	5	1	-0.7	0.0	0.0
9	0.00		Rara																	Rara cls	120.0	13.2	1	1	2.8	0.0	0.0
27	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	510	1	1	2.8	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	7.3	1	1	1.5	0.0	0.0
7	0.00		Rara																	Rara cls	120.0	1.4	2	1	-0.4	0.0	0.0
25	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	61	2	1	-0.4	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	1.0	1	1	-0.3	0.0	0.0
5	0.00		Rara																	Rara cls	120.0	1.6	1	1	-0.4	0.0	0.0
23	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	70	1	1	-0.4	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	1.6	1	1	-0.4	0.0	0.0
3	0.00		Rara																	Rara cls	120.0	1.3	5	1	-0.3	0.0	0.0
21	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	54	5	1	-0.3	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	0.6	5	1	-0.2	0.0	0.0
17	0.00		Rara																	Rara cls	120.0	3.1	5	1	-0.8	0.0	0.0
35	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	132	5	1	-0.8	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	2.4	5	1	-0.7	0.0	0.0
15	0.00		Rara																	Rara cls	120.0	3.3	5	1	-0.9	0.0	0.0
33	0.00		Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	143	5	1	-0.9	0.0	0.0
			Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	2.6	5	1	-0.7	0.0	0.0
36	0.00	2	Rara																	Rara cls	120.0	3.3	1	1	-0.9	0.0	0.0
1	0.00	/	Freq	0.4	0.000	0	0	0	0.0	0.0	0.0									Rara fer	3600	143	1	1	-0.9	0.0	0.0
		2	Perm	0.3	0.000	0	0	0	0.0	0.0	0.0									Perm cls	90.0	2.1	1	1	-0.6	0.0	0.0
1	0.00	2	Rara																	Rara cls	120.0	4.3	5	1	-1.		



10	4.25	Freq 0.3	0.000	0	0	0	0.0	0.0	0.0	Rara fer	2660	2113	1	1	-0.3	-0.1	15.1
		Perm 0.2	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	0.0	0	0	0.0	0.0	0.0
10	4.25	Rara								Rara cls	150.0	0.0	0	0	0.0	0.0	0.0
11	4.25	Freq 0.3	0.000	0	0	0	0.0	0.0	0.0	Rara fer	2660	2224	5	1	-0.4	0.0	15.4
		Perm 0.2	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	0.0	0	0	0.0	0.0	0.0
11	4.25	Rara								Rara cls	150.0	0.0	0	0	0.0	0.0	0.0
12	4.25	Freq 0.3	0.000	0	0	0	0.0	0.0	0.0	Rara fer	2660	2320	5	1	-0.5	0.0	15.7
		Perm 0.2	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	0.0	0	0	0.0	0.0	0.0
12	4.25	Rara								Rara cls	150.0	0.0	0	0	0.0	0.0	0.0
13	4.25	Freq 0.3	0.000	0	0	0	0.0	0.0	0.0	Rara fer	2660	2179	5	1	-0.3	0.0	16.0
		Perm 0.2	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	0.0	0	0	0.0	0.0	0.0
13	4.25	Rara								Rara cls	150.0	0.0	0	0	0.0	0.0	0.0
14	4.25	Freq 0.3	0.000	0	0	0	0.0	0.0	0.0	Rara fer	2660	2127	5	1	-0.2	0.0	16.0
		Perm 0.2	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	0.0	0	0	0.0	0.0	0.0
14	4.25	Rara								Rara cls	150.0	0.0	0	0	0.0	0.0	0.0
15	4.25	Freq 0.3	0.000	0	0	0	0.0	0.0	0.0	Rara fer	2660	2240	1	1	-0.3	0.0	15.9
		Perm 0.2	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	0.0	0	0	0.0	0.0	0.0
15	4.25	Rara								Rara cls	150.0	0.0	0	0	0.0	0.0	0.0
16	4.25	Freq 0.3	0.000	0	0	0	0.0	0.0	0.0	Rara fer	2660	2222	1	1	-0.4	0.0	15.7
		Perm 0.2	0.000	0	0	0	0.0	0.0	0.0	Perm cls	112.0	0.0	0	0	0.0	0.0	0.0

**S.L.V. - VERIFICA PIASTRE - QUOTA: 0 ELEMENTO: 1**

Quo N.r.	Per N.r.	Nodo N.ro	Nx daN/m	Ny daN/m	Txy daN/m	Mx daNm/m	My daNm/m	Mxy daNm/m	εc x	εc y	εf x	εf y	Ax cmq	Ay cmq	Ax i cmq	Ay i cmq	Ataq cmq	σt dN/cm <sup>2</sup>	εta mm	Fpunz daN	Apunz cmq
0	1	11	0	0	0	-2390	-1966	32	1	1	15	15	11.3	11.3	0.8	0.8	0.0	0.3	-0.6		
0	1	25	0	0	0	-3863	-3602	1045	1	1	15	15	11.3	11.3	0.8	0.8	0.0	0.3	-0.6		
0	1	38	0	0	0	-3198	688	-786	1	0	15	5	11.3	11.3	0.8	11.3	0.0	0.3	-0.6		
0	1	40	0	0	0	-722	-3096	921	0	1	6	15	11.3	11.3	11.3	0.8	0.0	0.3	-0.6		
0	1	41	0	0	0	-3261	694	882	1	0	15	5	11.3	11.3	0.8	11.3	0.0	0.3	-0.6		
0	1	42	0	0	0	-3275	672	-824	1	0	15	5	11.3	11.3	0.8	11.3	0.0	0.3	-0.6		
0	1	43	0	0	0	-784	-3073	-910	0	1	6	15	11.3	11.3	11.3	0.8	0.0	0.3	-0.6		
0	1	44	0	0	0	-825	-3082	946	0	1	6	15	11.3	11.3	11.3	0.8	0.0	0.3	-0.6		
0	1	137	0	0	0	-1837	-2148	98	1	1	14	15	11.3	11.3	0.8	0.8	0.0	0.3	-0.6		
0	1	138	0	0	0	-2162	-2502	821	1	1	15	15	11.3	11.3	0.8	0.8	0.0	0.3	-0.6		
0	1	139	0	0	0	-1023	-3068	-275	1	1	8	15	11.3	11.3	0.8	0.8	0.0	0.3	-0.6		
0	1	140	0	0	0	-2377	-1595	75	1	1	15	12	11.3	11.3	0.8	0.8	0.0	0.3	-0.6		
0	1	141	0	0	0	-3300	-853	-307	1	0	15	7	11.3	11.3	0.8	0.8	0.0	0.3	-0.6		
0	1	142	0	0	0	-2728	-1892	755	1	1	15	15	11.3	11.3	0.8	0.8	0.0	0.3	-0.6		

**S.L.E. - VERIFICA PIASTRE - QUOTA: 0 ELEMENTO: 1**

Quo N.r.	Per N.r.	Nodo N.ro	FESSURAZIONI										TENSIONI		DIREZIONE X				DIREZIONE Y					
			Comb. Cari	Fes lim	Fess mm	dis mm	Co mb	MfX dkN*m	NX kN/10	MfY mm	NY mm	cos	sin	Combina Carico	σ lim. dN/cm <sup>2</sup>	σ cal. dN/cm <sup>2</sup>	Co mb	Mf dkN*m	N kN/10	σ cal. dN/cm <sup>2</sup>	Co mb	Mf dkN*m	N kN/10	
0	1	11	Rara												RaraCls	120.0	3.3	1	-1.6	0.0	2.8	1	-1.3	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	161	1	-1.6	0.0	134	1	-1.3	0.0
			Perm 0.2	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	PermCls	90.0	2.5	1	-1.2	0.0	1.8	1	-0.8	0.0
0	1	25	Rara												RaraCls	120.0	5.4	1	-2.6	0.0	5.1	1	-2.4	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	263	1	-2.6	0.0	245	1	-2.4	0.0
			Perm 0.2	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	PermCls	90.0	3.8	1	-1.8	0.0	3.5	1	-1.6	0.0
0	1	38	Rara												RaraCls	120.0	4.4	1	-2.1	0.0	1.2	1	0.5	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	216	1	-2.1	0.0	99	1	0.5	0.0
			Perm 0.2	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	PermCls	90.0	2.9	1	-1.4	0.0	0.8	1	0.3	0.0
0	1	40	Rara												RaraCls	120.0	1.0	1	0.4	0.0	4.2	1	-2.1	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	85	1	0.4	0.0	209	1	-2.1	0.0
			Perm 0.2	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	PermCls	90.0	0.9	1	-0.5	0.0	2.7	1	-1.3	0.0
0	1	41	Rara												RaraCls	120.0	4.4	1	-2.2	0.0	1.2	1	0.5	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	220	1	-2.2	0.0	100	1	0.5	0.0
			Perm 0.2	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	PermCls	90.0	3.0	1	-1.5	0.0	0.9	1	0.4	0.0
0	1	42	Rara												RaraCls	120.0	4.5	1	-2.2	0.0	1.1	1	0.4	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	222	1	-2.2	0.0	98	1	0.4	0.0
			Perm 0.2	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	PermCls	90.0	2.9	1	-1.4	0.0	0.8	1	0.3	0.0
0	1	43	Rara												RaraCls	120.0	1.1	1	-0.5	0.0	4.2	1	-2.1	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	74	1	0.3	0.0	208	1	-2.1	0.0
			Perm 0.2	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	PermCls	90.0	0.7	1	-0.3	0.0	2.7	1	-1.3	0.0
0	1	44	Rara												RaraCls	120.0	1.1	1	-0.5	0.0	4.2	1	-2.1	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	78	1	0.4	0.0	208	1	-2.1	0.0
			Perm 0.2	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	PermCls	90.0	0.9	1	-0.4	0.0	2.8	1	-1.4	0.0
0	1	137	Rara												RaraCls	120.0	2.6	1	-1.2	0.0	3.0	1	-1.4	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	123	1	-1.2	0.0	145	1	-1.4	0.0
			Perm 0.2	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	PermCls	90.0	2.0	1	-0.9	0.0	2.0	1	-1.0	0.0
0	1	138	Rara												RaraCls	120.0	2.9	1	-1.4	0.0	3.4	1	-1.7	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	145	1	-1.4	0.0	169	1	-1.7	0.0
			Perm 0.2	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	PermCls	90.0	2.2	1	-1.1	0.0	2.2	1	-1.1	0.0
0	1	139	Rara												RaraCls	120.0	1.4	1	-0.7	0.0	4.2	1	-2.1	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	70	1	-0.7	0.0	210	1	-2.1	0.0
			Perm 0.2	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	PermCls	90.0	0.8	1	-0.4	0.0	2.2	1	-1.1	0.0
0	1	140	Rara												RaraCls	120.0	3.3	1	-1.6	0.0	2.2	1	-1.1	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	161	1	-1.6	0.0	107	1	-1.1	0.0
			Perm 0.2	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	PermCls	90.0	2.4	1	-1.1	0.0	1.5	1	-0.7	0.0
0	1	141	Rara												RaraCls	120.0	4.5	1	-2.2	0.0	1.2	1	-0.6	0.0
			Freq 0.3	0.00	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RaraFer	3520	225	1	-2.2	0.0	59	1	-0.6	0.0

2	0.00	1	SUP.	2	90	74	300	4500	55	13.6	50	12.3
10	0.00	7	SUP.	2	90	74	300	4500	55	13.6	50	12.3
14	0.00	8	SUP.	2	0	74	300	4500	60	14.8	40	9.9
6	0.00	13	SUP.	27	0	74	300	4500	45	11.1	40	9.9
12	0.00	14	SUP.	2	-45	74	300	4500	60	14.8	57	14.0
8	0.00	16	SUP.	27	0	74	300	4500	15	3.7	15	3.7
4	0.00	18	SUP.	27	0	74	300	4500	15	3.7	15	3.7
16	0.00	20	SUP.	2	45	74	300	4500	60	14.8	57	14.0
9	0.00	26	SUP.	2	68	74	300	4500	60	14.8	58	14.2
19	0.00	27	SUP.	2	135	74	300	4500	57	14.0	60	14.8
18	0.00	28	SUP.	2	135	74	300	4500	57	14.0	60	14.8
3	0.00	29	SUP.	27	0	74	300	4500	40	9.9	15	3.7
5	0.00	30	SUP.	27	0	74	300	4500	15	3.7	40	9.9
7	0.00	31	SUP.	27	0	74	300	4500	15	3.7	40	9.9
11	0.00	32	SUP.	2	-68	74	300	4500	60	14.8	58	14.2
13	0.00	33	SUP.	2	-22	74	300	4500	60	14.8	47	11.5
15	0.00	34	SUP.	2	22	74	300	4500	60	14.8	47	11.5
17	0.00	35	SUP.	2	68	74	300	4500	60	14.8	58	14.2
2	4.25	52	INF.	2	90	40	300	4500	25	3.3	45	6.0
3	4.25	53	INF.	27	0	40	300	4500	30	4.0	15	2.0
4	4.25	54	INF.	27	0	40	300	4500	15	2.0	15	2.0
5	4.25	55	INF.	27	0	40	300	4500	15	2.0	30	4.0
6	4.25	56	INF.	27	0	40	300	4500	15	2.0	30	4.0
7	4.25	57	INF.	27	0	40	300	4500	15	2.0	30	4.0
8	4.25	58	INF.	27	0	40	300	4500	15	2.0	15	2.0
9	4.25	59	INF.	2	68	40	300	4500	29	3.8	53	7.1
10	4.25	60	INF.	2	90	40	300	4500	25	3.3	45	6.0
11	4.25	61	INF.	2	-68	40	300	4500	29	3.8	53	7.1
12	4.25	62	INF.	2	-45	40	300	4500	28	3.8	57	7.5
13	4.25	63	INF.	2	-22	40	300	4500	23	3.1	47	6.2
14	4.25	64	INF.	2	0	40	300	4500	15	2.0	30	4.0
15	4.25	65	INF.	2	22	40	300	4500	23	3.1	47	6.2
16	4.25	66	INF.	2	45	40	300	4500	28	3.8	57	7.5
17	4.25	67	INF.	2	68	40	300	4500	29	3.8	53	7.1
18	4.25	68	INF.	2	135	40	300	4500	28	3.8	57	7.5
19	4.25	69	INF.	2	135	40	300	4500	28	3.8	57	7.5

#### VERIFICHE DI DUTTILITA' ASTE IN C.A. - TRAVI ELEVAZIONE

Filo Iniz. Fin. N.ro	Quota Iniz. Final (m)	Tr at to Nr	Sez Bas Alt cm	CARICHI		MOMENTI RESISTENTI					TAGLIO DI PROGETTO		VERIFICA A TAGLIO		
				g (kN*10)/m	g+s*q	Co nc	Mru+ kN*10/m	x/d	Mru- kN*10/m	x/d	Vmax kN*10	Vmin kN*10	VRcd kN*10	VRsd kN*10	Staffe Pass Lun
16	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	5.07	-4.31	22.37	35.00	9	40
17	4.25	30			c					4.93	-4.93	22.37	15.75	20	144
		40			f	5.26	0.14	-5.26	0.14	4.31	-5.07	22.37	35.00	9	40
gRd=1.0															
17	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	5.07	-4.30	22.37	35.00	9	40
2	4.25	30			c					4.93	-4.93	22.37	15.75	20	144
		40			f	5.26	0.14	-5.26	0.14	4.30	-5.07	22.37	35.00	9	40
gRd=1.0															
2	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	4.83	-4.03	22.37	35.00	9	40
3	4.25	30			c					4.70	-4.70	22.37	15.75	20	157
		40			f	5.26	0.14	-5.26	0.14	4.03	-4.83	22.37	35.00	9	40
gRd=1.0															
3	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	4.66	-3.81	22.37	35.00	9	40
4	4.25	30			c					4.52	-4.52	22.37	15.75	20	168

	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	3.81	-4.66	22.37	35.00	9	40
4	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	4.63	-3.78	22.37	35.00	9	40
5	4.25	30			c					4.50	-4.50	22.37	15.75	20	170
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	3.78	-4.63	22.37	35.00	9	40
5	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	4.65	-3.80	22.37	35.00	9	40
6	4.25	30			c					4.51	-4.51	22.37	15.75	20	169
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	3.80	-4.65	22.37	35.00	9	40
6	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	4.66	-3.81	22.37	35.00	9	40
7	4.25	30			c					4.52	-4.52	22.37	15.75	20	168
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	3.81	-4.66	22.37	35.00	9	40
7	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	4.65	-3.80	22.37	35.00	9	40
8	4.25	30			c					4.51	-4.51	22.37	15.75	20	169
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	3.80	-4.65	22.37	35.00	9	40
8	4.25	4	0.44	0.44	i	5.26	0.14	-5.26	0.14	4.00	-2.59	22.37	35.00	9	40
18	4.25	30			c					3.82	-3.82	22.37	15.75	20	239
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	2.59	-4.00	22.37	35.00	9	40
8	4.25	4	0.30	0.30	i	5.26	0.14	-5.26	0.14	4.80	-4.09	22.37	35.00	9	40
9	4.25	30			c					4.68	-4.68	22.37	15.75	20	156
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	4.09	-4.80	22.37	35.00	9	40
9	4.25	4	0.43	0.43	i	5.26	0.14	-5.26	0.14	3.66	-2.11	22.37	35.00	9	40
19	4.25	30			c					3.49	-3.49	22.37	15.75	20	285
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	2.11	-3.66	22.37	35.00	9	40
9	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	5.08	-4.31	22.37	35.00	9	40
10	4.25	30			c					4.94	-4.94	22.37	15.75	20	144
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	4.31	-5.08	22.37	35.00	9	40
10	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	5.07	-4.31	22.37	35.00	9	40
11	4.25	30			c					4.94	-4.94	22.37	15.75	20	144
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	4.31	-5.07	22.37	35.00	9	40
11	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	5.08	-4.31	22.37	35.00	9	40
12	4.25	30			c					4.94	-4.94	22.37	15.75	20	144
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	4.31	-5.08	22.37	35.00	9	40
12	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	5.07	-4.31	22.37	35.00	9	40
13	4.25	30			c					4.94	-4.94	22.37	15.75	20	144
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	4.31	-5.07	22.37	35.00	9	40
13	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	5.07	-4.30	22.37	35.00	9	40
14	4.25	30			c					4.93	-4.93	22.37	15.75	20	144
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	4.30	-5.07	22.37	35.00	9	40
14	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	5.06	-4.30	22.37	35.00	9	40
15	4.25	30			c					4.93	-4.93	22.37	15.75	20	145
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	4.30	-5.06	22.37	35.00	9	40
15	4.25	4	0.34	0.34	i	5.26	0.14	-5.26	0.14	5.07	-4.30	22.37	35.00	9	40
16	4.25	30			c					4.93	-4.93	22.37	15.75	20	144
	gRd=1.0	40			f	5.26	0.14	-5.26	0.14	4.30	-5.07	22.37	35.00	9	40

#### DOMINI ASTE IN C.A.

IDENTIFICATIVO						ATTRIBUTI DI CALCOLO			DOMINI				
Asta 3D	Filo Iniz	Filo Fin.	Q.In. (m)	Q.Fin (m)	Tra tto	Nodo3d Iniz.	Nodo3d Finale	FlagNon Lineare	Barre Ancorate	Staffe Confin	Dominio Concio 1	Dominio Concio 2	Dominio Concio 3
1	2	20	0.0	0.0		1	2	NO	SI	NO	1	2	3
2	36	1	0.0	0.0	1	3	4	NO	SI	NO	4	5	6
3	44	28	0.0	0.0		5	6	NO	SI	NO	7	8	9

4	28	10	0.0	0.0		6	7	NO	SI	NO	10	11	12
5	14	32	0.0	0.0		8	9	NO	SI	NO	13	14	15
6	32	48	0.0	0.0		9	10	NO	SI	NO	16	17	18
7	1	40	0.0	0.0	1	4	11	NO	SI	NO	19	20	21
8	24	6	0.0	0.0		12	13	NO	SI	NO	22	23	24
9	12	30	0.0	0.0		14	15	NO	SI	NO	25	26	27
10	8	26	0.0	0.0		16	17	NO	SI	NO	28	29	30
11	4	22	0.0	0.0		18	19	NO	SI	NO	31	32	33
12	16	34	0.0	0.0		20	21	NO	SI	NO	34	35	36
13	34	50	0.0	0.0		21	22	NO	SI	NO	37	38	39
14	22	38	0.0	0.0		19	23	NO	SI	NO	40	41	42
15	26	42	0.0	0.0		17	24	NO	SI	NO	43	44	45
16	30	46	0.0	0.0		15	25	NO	SI	NO	46	47	48
17	9	19	0.0	0.0		26	27	NO	SI	NO	49	50	51
18	8	18	0.0	0.0		16	28	NO	SI	NO	52	53	54
19	48	1	0.0	0.0	1	10	4	NO	SI	NO	55	56	57
20	40	24	0.0	0.0		11	12	NO	SI	NO	58	59	60
21	20	36	0.0	0.0		2	3	NO	SI	NO	61	62	63
22	1	44	0.0	0.0	1	4	5	NO	SI	NO	64	65	66
23	2	3	0.0	0.0		1	29	NO	SI	NO	67	68	69
24	3	4	0.0	0.0		29	18	NO	SI	NO	70	71	72
25	4	5	0.0	0.0		18	30	NO	SI	NO	73	74	75
26	5	6	0.0	0.0		30	13	NO	SI	NO	76	77	78
27	6	7	0.0	0.0		13	31	NO	SI	NO	79	80	81
28	7	8	0.0	0.0		31	16	NO	SI	NO	82	83	84
29	8	9	0.0	0.0		16	26	NO	SI	NO	85	86	87
30	9	10	0.0	0.0		26	7	NO	SI	NO	88	89	90
31	10	11	0.0	0.0		7	32	NO	SI	NO	91	92	93
32	11	12	0.0	0.0		32	14	NO	SI	NO	94	95	96
33	12	13	0.0	0.0		14	33	NO	SI	NO	97	98	99
34	13	14	0.0	0.0		33	8	NO	SI	NO	100	101	102
35	14	15	0.0	0.0		8	34	NO	SI	NO	103	104	105
36	15	16	0.0	0.0		34	20	NO	SI	NO	106	107	108
37	16	17	0.0	0.0		20	35	NO	SI	NO	109	110	111
38	17	2	0.0	0.0		35	1	NO	SI	NO	112	113	114
39	20	21	0.0	0.0		2	36	NO	SI	NO	115	116	117
40	50	51	0.0	0.0	1	22	37	NO	SI	NO	118	119	120
41	51	36	0.0	0.0	1	37	3	NO	SI	NO	121	122	123
42	36	37	0.0	0.0	1	3	38	NO	SI	NO	124	125	126
43	37	38	0.0	0.0	1	38	23	NO	SI	NO	127	128	129
44	38	39	0.0	0.0	1	23	39	NO	SI	NO	130	131	132
45	39	40	0.0	0.0	1	39	11	NO	SI	NO	133	134	135
46	40	41	0.0	0.0	1	11	40	NO	SI	NO	136	137	138
47	41	42	0.0	0.0	1	40	24	NO	SI	NO	139	140	141
48	42	43	0.0	0.0	1	24	41	NO	SI	NO	142	143	144
49	43	44	0.0	0.0	1	41	5	NO	SI	NO	145	146	147
50	44	45	0.0	0.0	1	5	42	NO	SI	NO	148	149	150
51	45	46	0.0	0.0	1	42	25	NO	SI	NO	151	152	153
52	46	47	0.0	0.0	1	25	43	NO	SI	NO	154	155	156
53	47	48	0.0	0.0	1	43	10	NO	SI	NO	157	158	159
54	48	49	0.0	0.0	1	10	44	NO	SI	NO	160	161	162
55	49	50	0.0	0.0	1	44	22	NO	SI	NO	163	164	165
56	21	22	0.0	0.0		36	19	NO	SI	NO	166	167	168
57	22	23	0.0	0.0		19	45	NO	SI	NO	169	170	171
58	23	24	0.0	0.0		45	12	NO	SI	NO	172	173	174
59	24	25	0.0	0.0		12	46	NO	SI	NO	175	176	177
60	25	26	0.0	0.0		46	17	NO	SI	NO	178	179	180
61	26	27	0.0	0.0		17	47	NO	SI	NO	181	182	183
62	27	28	0.0	0.0		47	6	NO	SI	NO	184	185	186
63	28	29	0.0	0.0		6	48	NO	SI	NO	187	188	189
64	29	30	0.0	0.0		48	15	NO	SI	NO	190	191	192
65	30	31	0.0	0.0		15	49	NO	SI	NO	193	194	195
66	31	32	0.0	0.0		49	9	NO	SI	NO	196	197	198
67	32	33	0.0	0.0		9	50	NO	SI	NO	199	200	201
68	33	34	0.0	0.0		50	21	NO	SI	NO	202	203	204
69	34	35	0.0	0.0		21	51	NO	SI	NO	205	206	207
70	35	20	0.0	0.0		51	2	NO	SI	NO	208	209	210
71	18	19	0.0	0.0		28	27	NO	SI	NO	211	212	213
72	13	31	0.0	0.0		33	49	NO	SI	NO	214	215	216
73	11	29	0.0	0.0		32	48	NO	SI	NO	217	218	219
74	9	27	0.0	0.0		26	47	NO	SI	NO	220	221	222
75	7	25	0.0	0.0		31	46	NO	SI	NO	223	224	225
76	5	23	0.0	0.0		30	45	NO	SI	NO	226	227	228
77	3	21	0.0	0.0		29	36	NO	SI	NO	229	230	231
78	17	35	0.0	0.0		35	51	NO	SI	NO	232	233	234
79	15	33	0.0	0.0		34	50	NO	SI	NO	235	236	237
80	2	2	4.3	0.0		52	1	NO	SI	NO	238	239	240
81	3	3	4.3	0.0		53	29	NO	SI	NO	241	242	243
82	4	4	4.3	0.0		54	18	NO	SI	NO	244	245	246
83	5	5	4.3	0.0		55	30	NO	SI	NO	247	248	249
84	6	6	4.3	0.0		56	13	NO	SI	NO	250	251	252
85	7	7	4.3	0.0		57	31	NO	SI	NO	253	254	255

DOMINI ASTE IN C.A.

IDENTIFICATIVO							ATTRIBUTI DI CALCOLO			DOMINI			
Asta	Filo	Filo	Q.In.	Q.Fin	Tra	Nodo3d	Nodo3d	FlagNon	Barre	Staffe	Dominio	Dominio	Dominio

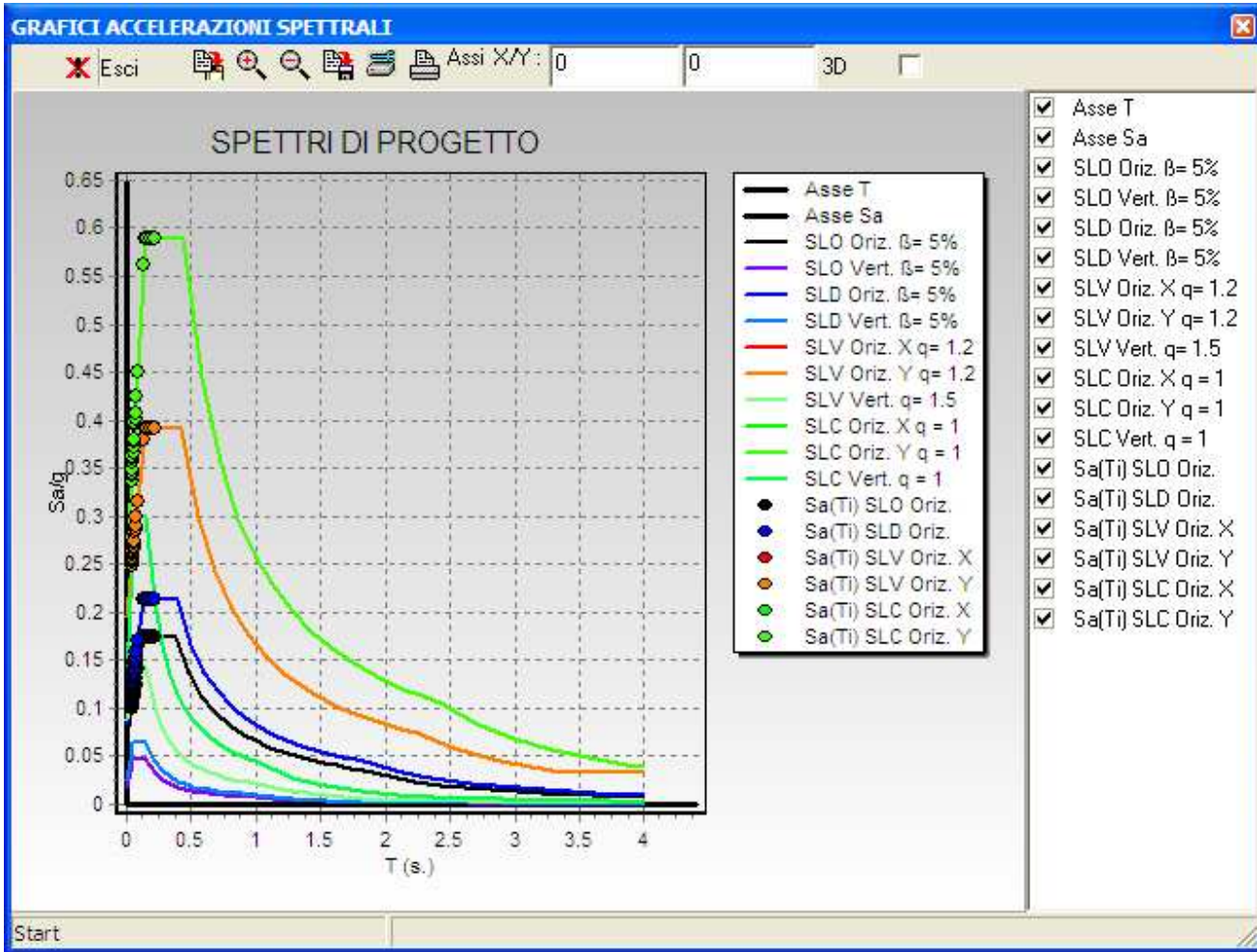


3D	Iniz	Fin.	(m)	(m)	tto	Iniz.	Finale	Lineare	Ancorate	Confin	Concio 1	Concio 2	Concio 3
86	8	8	4.3	0.0		58	16	NO	SI	NO	256	257	258
87	9	9	4.3	0.0		59	26	NO	SI	NO	259	260	261
88	10	10	4.3	0.0		60	7	NO	SI	NO	262	263	264
89	11	11	4.3	0.0		61	32	NO	SI	NO	265	266	267
90	12	12	4.3	0.0		62	14	NO	SI	NO	268	269	270
91	13	13	4.3	0.0		63	33	NO	SI	NO	271	272	273
92	14	14	4.3	0.0		64	8	NO	SI	NO	274	275	276
93	15	15	4.3	0.0		65	34	NO	SI	NO	277	278	279
94	16	16	4.3	0.0		66	20	NO	SI	NO	280	281	282
95	17	17	4.3	0.0		67	35	NO	SI	NO	283	284	285
96	18	18	4.3	0.0		68	28	NO	SI	NO	286	287	288
97	19	19	4.3	0.0		69	27	NO	SI	NO	289	290	291
98	16	17	4.3	4.3		66	67	NO	SI	NO	292	293	294
99	17	2	4.3	4.3		67	52	NO	SI	NO	295	296	297
100	2	3	4.3	4.3		52	53	NO	SI	NO	298	299	300
101	3	4	4.3	4.3		53	54	NO	SI	NO	301	302	303
102	4	5	4.3	4.3		54	55	NO	SI	NO	304	305	306
103	5	6	4.3	4.3		55	56	NO	SI	NO	307	308	309
104	6	7	4.3	4.3		56	57	NO	SI	NO	310	311	312
105	7	8	4.3	4.3		57	58	NO	SI	NO	313	314	315
106	8	18	4.3	4.3		58	68	NO	SI	NO	316	317	318
107	8	9	4.3	4.3		58	59	NO	SI	NO	319	320	321
108	9	19	4.3	4.3		59	69	NO	SI	NO	322	323	324
109	9	10	4.3	4.3		59	60	NO	SI	NO	325	326	327
110	10	11	4.3	4.3		60	61	NO	SI	NO	328	329	330
111	11	12	4.3	4.3		61	62	NO	SI	NO	331	332	333
112	12	13	4.3	4.3		62	63	NO	SI	NO	334	335	336
113	13	14	4.3	4.3		63	64	NO	SI	NO	337	338	339
114	14	15	4.3	4.3		64	65	NO	SI	NO	340	341	342
115	15	16	4.3	4.3		65	66	NO	SI	NO	343	344	345
116	3	37	4.3	5.5		53	70	NO	NO	NO			
117	2	36	4.3	5.5		52	71	NO	NO	NO			
118	4	38	4.3	5.5		54	72	NO	NO	NO			
119	5	39	4.3	5.5		55	73	NO	NO	NO			
120	6	40	4.3	5.5		56	74	NO	NO	NO			
121	7	41	4.3	5.5		57	75	NO	NO	NO			
122	8	42	4.3	5.5		58	76	NO	NO	NO			
123	9	43	4.3	5.5		59	77	NO	NO	NO			
124	10	44	4.3	5.5		60	78	NO	NO	NO			
125	11	45	4.3	5.5		61	79	NO	NO	NO			
126	12	46	4.3	5.5		62	80	NO	NO	NO			
127	13	47	4.3	5.5		63	81	NO	NO	NO			
128	14	48	4.3	5.5		64	82	NO	NO	NO			
129	15	49	4.3	5.5		65	83	NO	NO	NO			
130	16	50	4.3	5.5		66	84	NO	NO	NO			
131	17	51	4.3	5.5		67	85	NO	NO	NO			
132	36	37	5.5	5.5		71	70	NO	NO	NO			
133	37	38	5.5	5.5		70	72	NO	NO	NO			
134	38	39	5.5	5.5		72	73	NO	NO	NO			
135	39	40	5.5	5.5		73	74	NO	NO	NO			
136	40	41	5.5	5.5		74	75	NO	NO	NO			
137	41	42	5.5	5.5		75	76	NO	NO	NO			
138	42	43	5.5	5.5		76	77	NO	NO	NO			
139	43	44	5.5	5.5		77	78	NO	SI	NO	415	416	417
140	44	45	5.5	5.5		78	79	NO	SI	NO	418	419	420
141	45	46	5.5	5.5		79	80	NO	SI	NO	421	422	423
142	46	47	5.5	5.5		80	81	NO	SI	NO	424	425	426
143	47	48	5.5	5.5		81	82	NO	SI	NO	427	428	429
144	48	49	5.5	5.5		82	83	NO	SI	NO	430	431	432
145	49	50	5.5	5.5		83	84	NO	SI	NO	433	434	435
146	50	51	5.5	5.5		84	85	NO	SI	NO	436	437	438
147	51	36	5.5	5.5		85	71	NO	SI	NO	439	440	441
148	37	37	6.5	5.5		86	70	NO	SI	NO	442	443	444
149	39	39	6.5	5.5		87	73	NO	SI	NO	445	446	447
150	41	41	6.5	5.5		88	75	NO	SI	NO	448	449	450
151	43	43	6.5	5.5		89	77	NO	SI	NO	451	452	453
152	45	45	6.5	5.5		90	79	NO	SI	NO	454	455	456
153	47	47	6.5	5.5		91	81	NO	SI	NO	457	458	459
154	49	49	6.5	5.5		92	83	NO	SI	NO	460	461	462
155	51	51	6.5	5.5		93	85	NO	SI	NO	463	464	465
156	1	43	6.8	6.5		94	89	NO	SI	NO	466	467	468
157	1	41	6.8	6.5		94	88	NO	SI	NO	469	470	471
158	1	39	6.8	6.5		94	87	NO	SI	NO	472	473	474
159	1	37	6.8	6.5		94	86	NO	NO	NO			
160	1	51	6.8	6.5		94	93	NO	NO	NO			
161	1	49	6.8	6.5		94	92	NO	NO	NO			
162	1	47	6.8	6.5		94	91	NO	NO	NO			
163	1	45	6.8	6.5		94	90	NO	NO	NO			
164	43	44	6.5	6.5		89	95	NO	NO	NO			
165	44	45	6.5	6.5		95	90	NO	NO	NO			
166	45	46	6.5	6.5		90	96	NO	NO	NO			
167	46	47	6.5	6.5		96	91	NO	NO	NO			
168	47	48	6.5	6.5		91	97	NO	NO	NO			
169	48	49	6.5	6.5		97	92	NO	NO	NO			
170	49	50	6.5	6.5		92	98	NO	NO	NO			

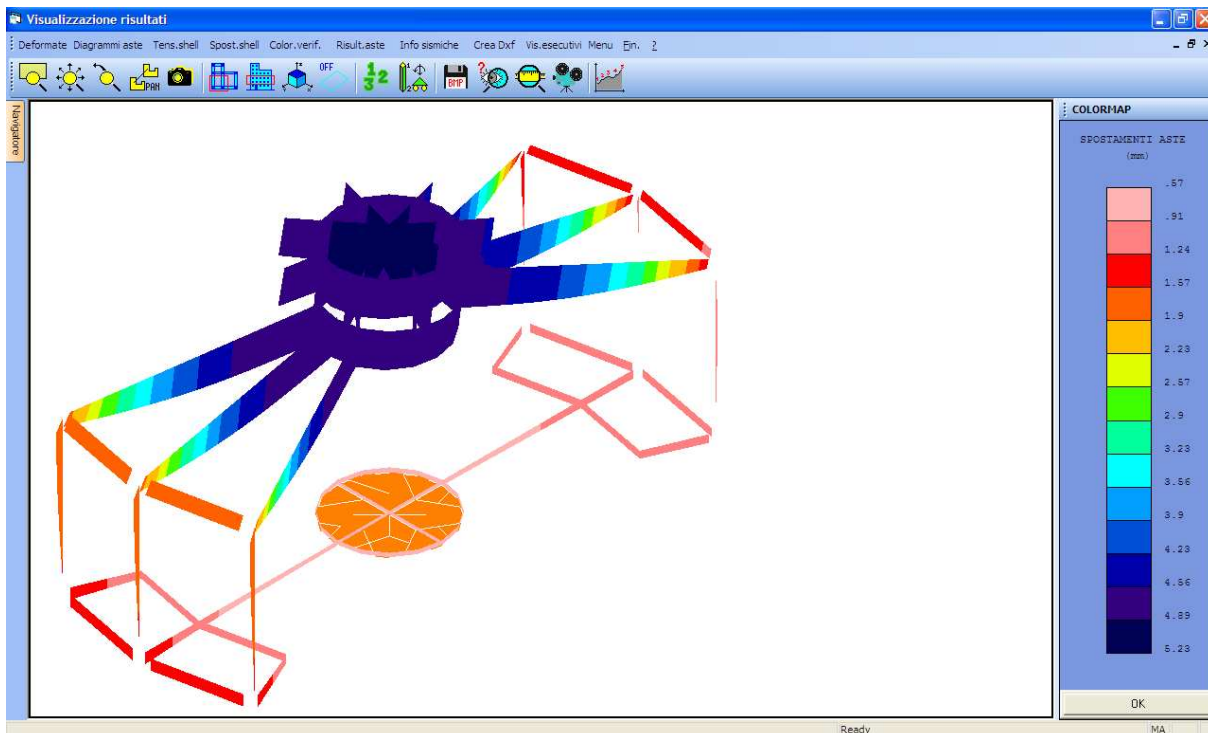
DOMINI ASTE IN C.A.

IDENTIFICATIVO								ATTRIBUTI DI CALCOLO			DOMINI		
Asta 3D	Filo Iniz	Filo Fin.	Q. In. (m)	Q. Fin (m)	Tra tto	Nodo3d Iniz.	Nodo3d Finale	FlagNon Lineare	Barre Ancorate	Staffe Confin	Dominio Concio 1	Dominio Concio 2	Dominio Concio 3
171	50	51	6.5	6.5		98	93	NO	NO	NO			
172	51	36	6.5	6.5		93	99	NO	NO	NO			
173	36	37	6.5	6.5		99	86	NO	NO	NO			
174	37	38	6.5	6.5		86	100	NO	NO	NO			
175	38	39	6.5	6.5		100	87	NO	NO	NO			
176	39	40	6.5	6.5		87	101	NO	NO	NO			
177	40	41	6.5	6.5		101	88	NO	NO	NO			
178	41	42	6.5	6.5		88	102	NO	NO	NO			
179	42	43	6.5	6.5		102	89	NO	NO	NO			
180	45	61	6.5	6.4		90	103	NO	NO	NO			
181	43	59	6.5	6.4		89	104	NO	NO	NO			
182	41	57	6.5	6.4		88	105	NO	NO	NO			
183	39	55	6.5	6.4		87	106	NO	NO	NO			
184	37	53	6.5	6.4		86	107	NO	NO	NO			
185	51	67	6.5	6.4		93	108	NO	NO	NO			
186	49	65	6.5	6.4		92	109	NO	NO	NO			
187	47	63	6.5	6.4		91	110	NO	NO	NO			
2	36	1	0.0	0.0	2	3	4	NO	SI	NO	562	563	564
7	1	40	0.0	0.0	2	4	11	NO	SI	NO	565	566	567
19	48	1	0.0	0.0	2	10	4	NO	SI	NO	568	569	570
22	1	44	0.0	0.0	2	4	5	NO	SI	NO	571	572	573
40	50	51	0.0	0.0	2	22	37	NO	SI	NO	574	575	576
41	51	36	0.0	0.0	2	37	3	NO	SI	NO	577	578	579
42	36	37	0.0	0.0	2	3	38	NO	SI	NO	580	581	582
43	37	38	0.0	0.0	2	38	23	NO	SI	NO	583	584	585
44	38	39	0.0	0.0	2	23	39	NO	SI	NO	586	587	588
45	39	40	0.0	0.0	2	39	11	NO	SI	NO	589	590	591
46	40	41	0.0	0.0	2	11	40	NO	SI	NO	592	593	594
47	41	42	0.0	0.0	2	40	24	NO	SI	NO	595	596	597
48	42	43	0.0	0.0	2	24	41	NO	SI	NO	598	599	600
49	43	44	0.0	0.0	2	41	5	NO	SI	NO	601	602	603
50	44	45	0.0	0.0	2	5	42	NO	SI	NO	604	605	606
51	45	46	0.0	0.0	2	42	25	NO	SI	NO	607	608	609
52	46	47	0.0	0.0	2	25	43	NO	SI	NO	610	611	612
53	47	48	0.0	0.0	2	43	10	NO	SI	NO	613	614	615
54	48	49	0.0	0.0	2	10	44	NO	SI	NO	616	617	618
55	49	50	0.0	0.0	2	44	22	NO	SI	NO	619	620	621

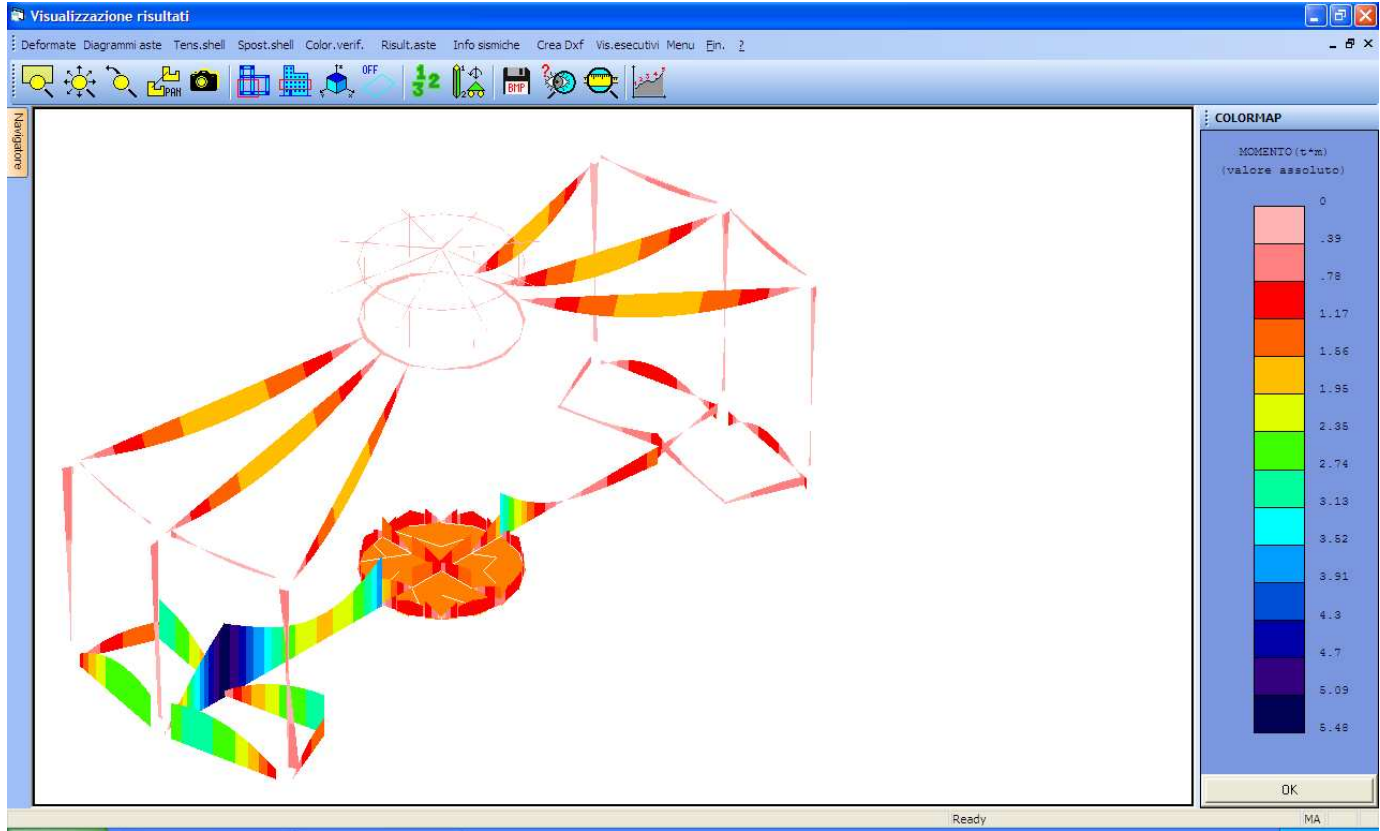
# PRINCIPALI RISULTATI



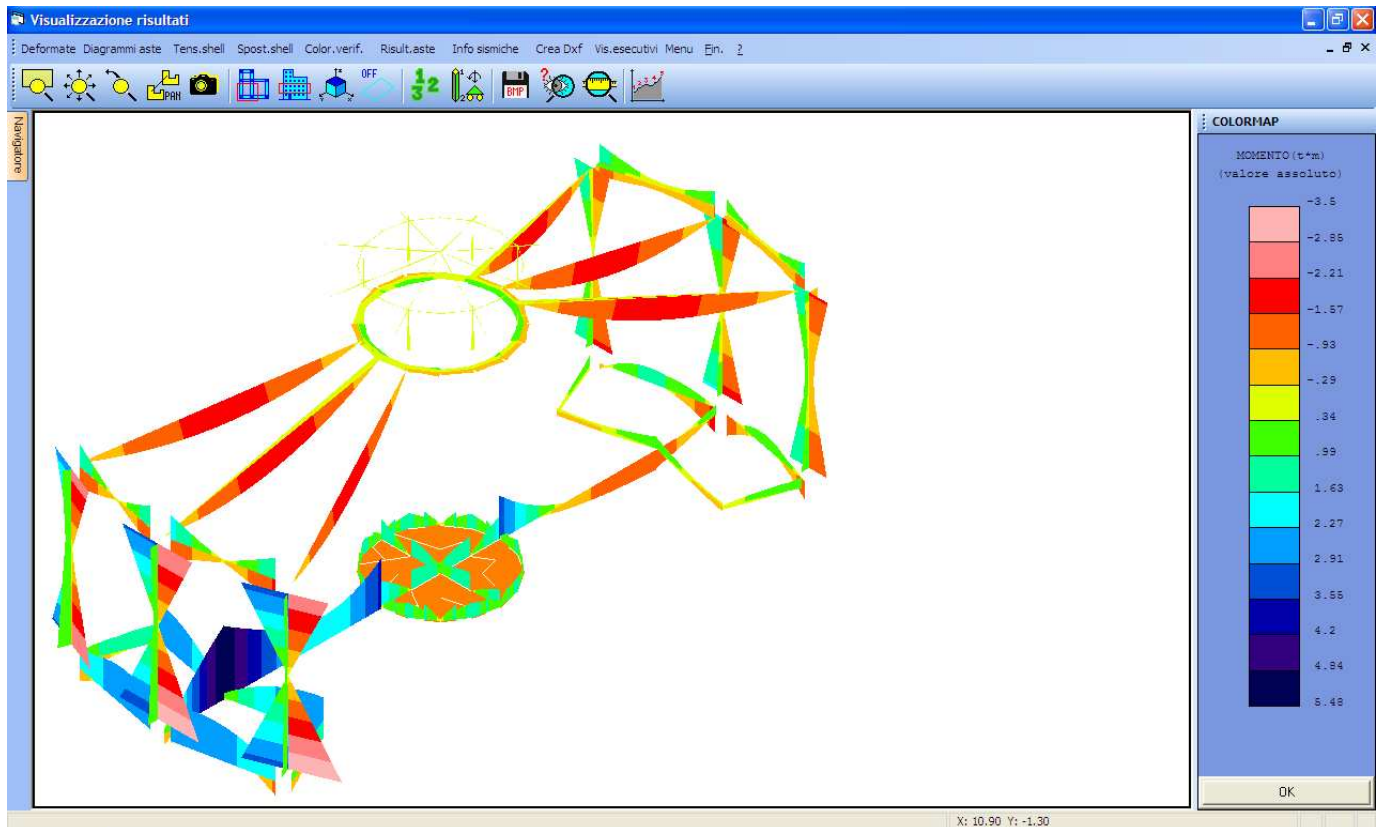
# DEFORMATE COMBO1



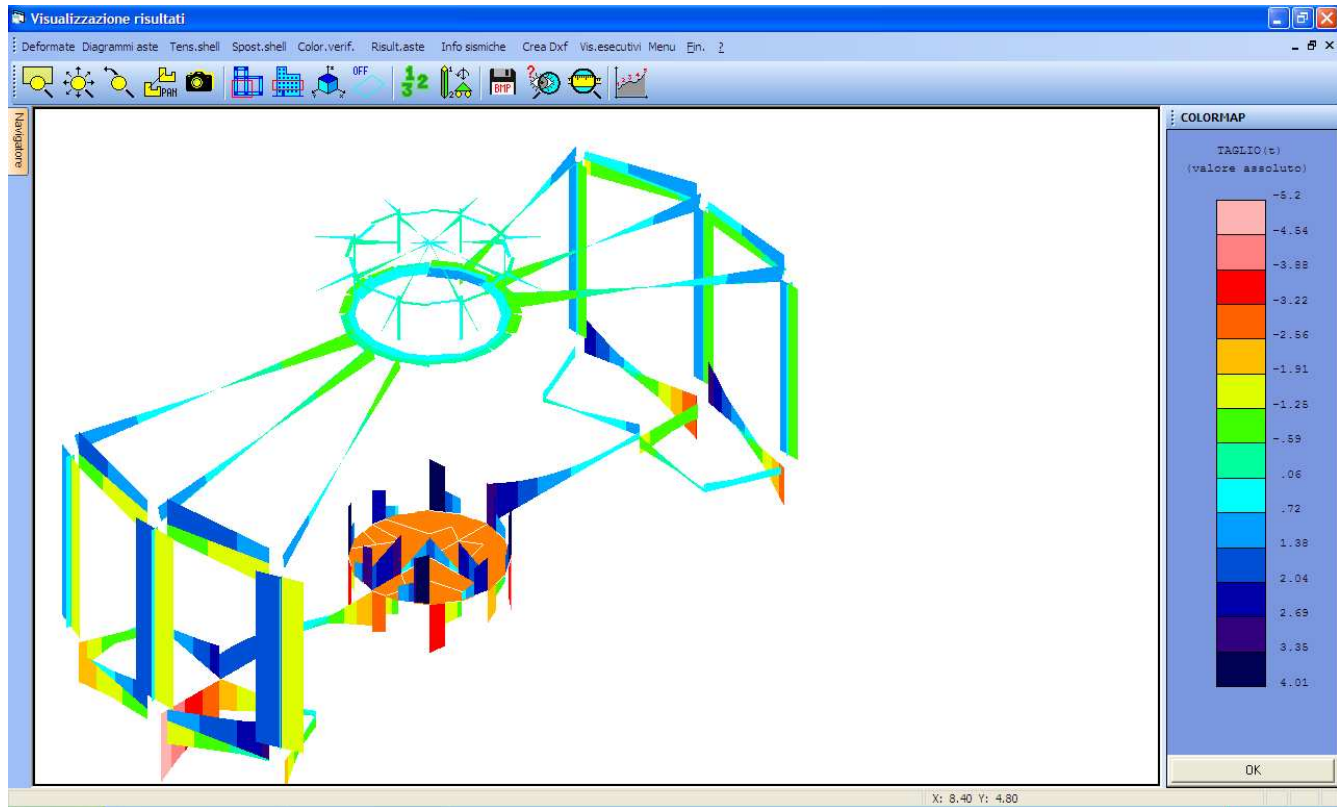
## Momenti flettenti combol



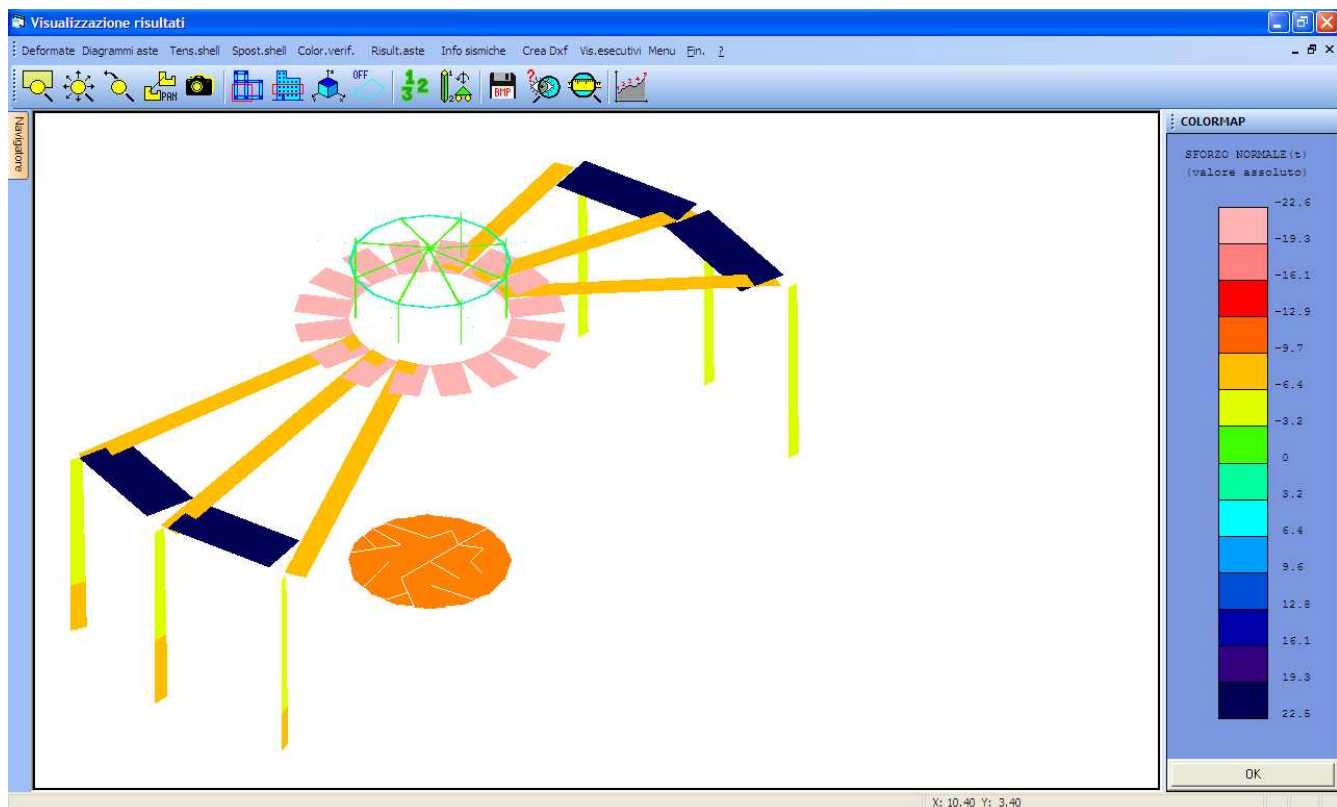
## Momenti flettenti involuppo



## Taglio - involuppo

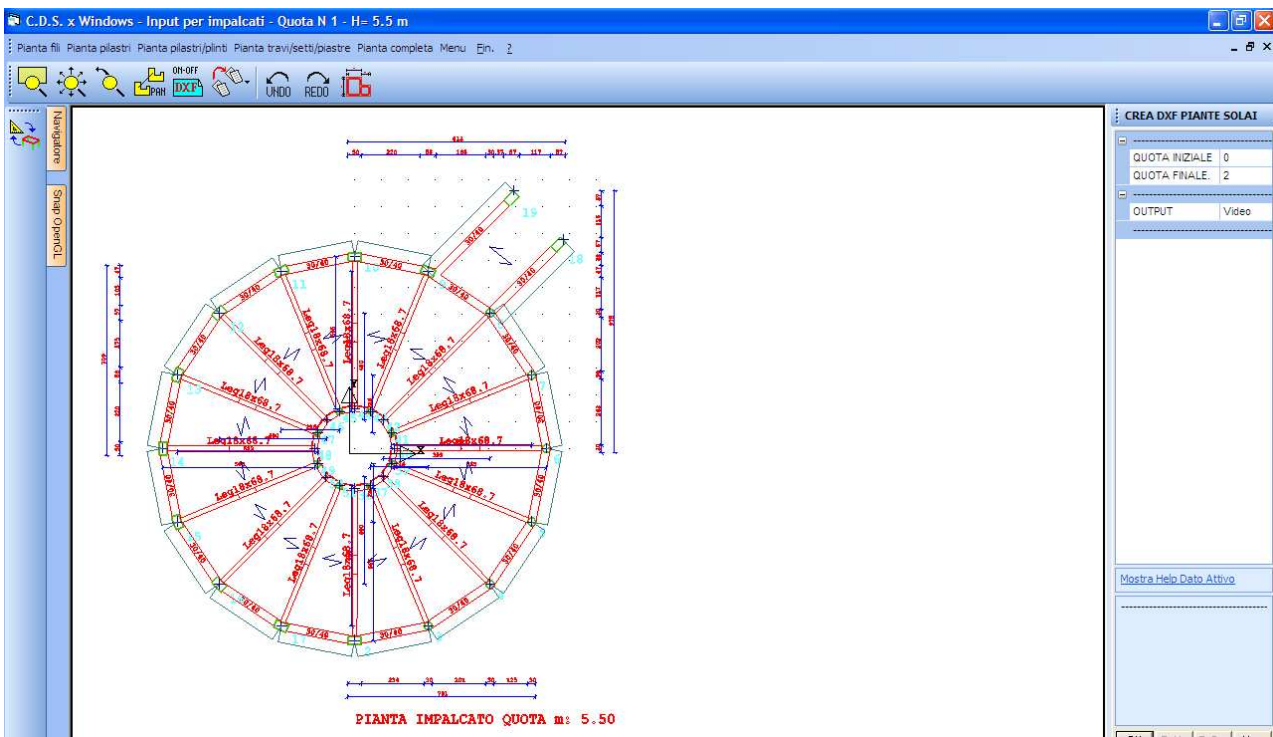
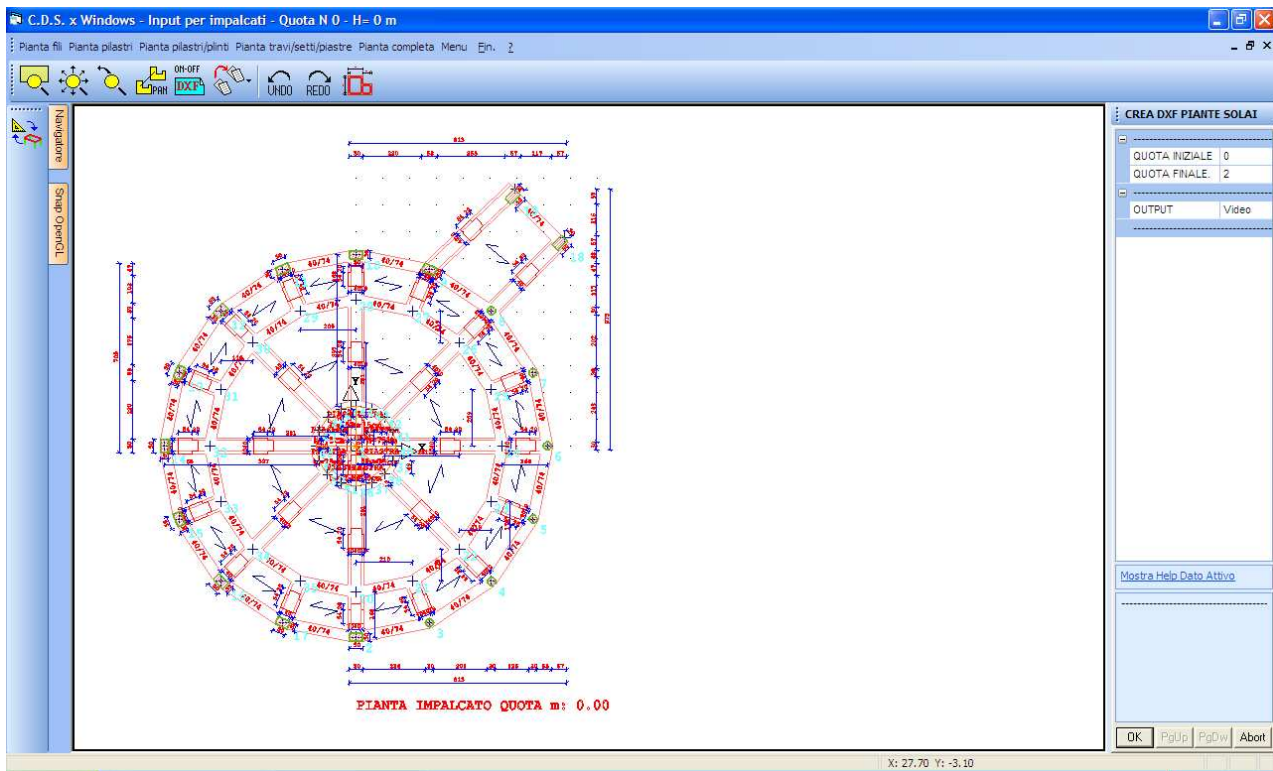


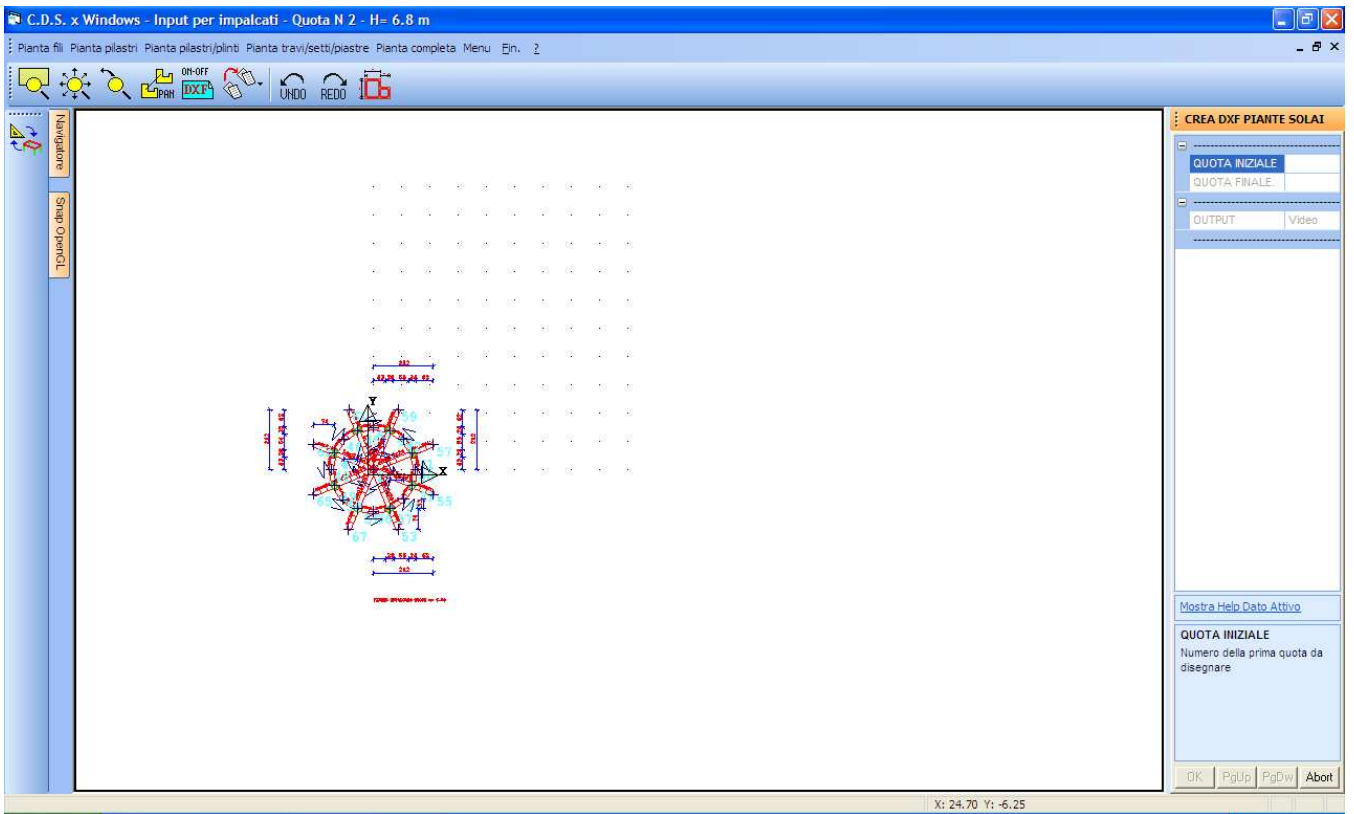
## Sforzo normale - involuppo



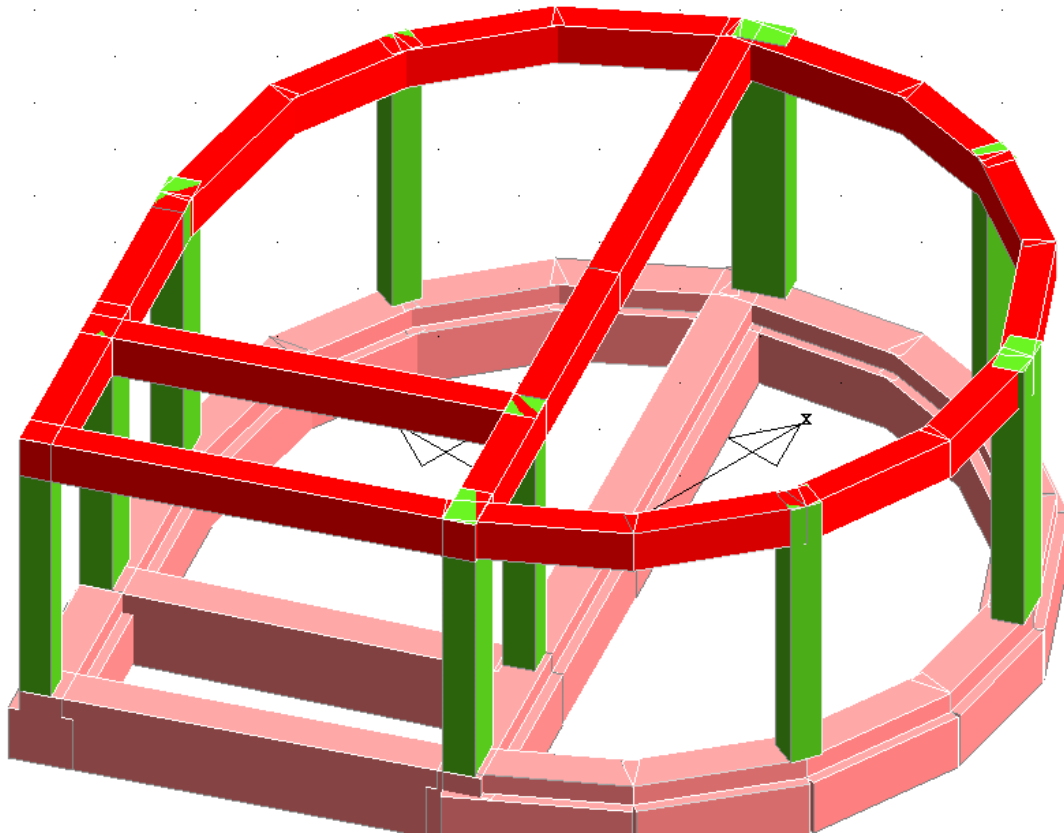


# RISCONTRI - INPUT





RELAZIONE DI CALCOLO EDIFICIO - CENTRALE TERMICA





**ARCHIVIO SEZIONI ASTE IN C.A.O.**

Tipologia Rettangolare			
Sez. N.ro	Base (cm)	Altezza (cm)	Magrone (cm)
1	40.0	74.0	80.0
3	30.0	30.0	0.0

Tipologia Rettangolare			
Sez. N.ro	Base (cm)	Altezza (cm)	Magrone (cm)
2	30.0	50.0	0.0
4	30.0	40.0	0.0

Tipologia a 'T'							
Sez. N.ro	Ala sx. B1 (cm)	B Anima B2 (cm)	Ala dx. B3 (cm)	Altezza B4 (cm)	Sp. Ali B5 (cm)	H Anima B6 (cm)	Largh. Magrone (cm)
11	10.0	40.0	10.0	74.0	54.0	20.0	100.0

**ARCHIVIO TIPOLOGIE DI CARICO**

Car. N.ro	Pesop dN/mq	Perm. dN/mq	Accid dN/mq	Neve dN/mq	Destinaz. d'Uso	Psi 0	Psi 1	Psi 2	DESCRIZIONE SINTETICA DEL TIPO DI CARICO
1	300	250	200	0	Categ. A	0.7	0.5	0.3	soffitto a travetti precompressi H=20+4
2	0	480	0	0	Categ. A	0.7	0.5	0.3	
3	60	23	0	80	Categ. A	0.7	0.5	0.3	soffitto in legno
4	300	350	100	80	Categ. A	0.7	0.5	0.3	soffitto latero-cemento h=20+4

**CRITERI DI PROGETTO**

IDEN	ASTE ELEVAZIONE														
Crit N.ro	Def Tag	%Scorr Staffe	P max. Staffe	P min. Staffe	$\tau$ Mtmin dN/cm <sup>2</sup>	Ferri parete	Elim cm	Tipo verif.	Fl. rett	DenX pos.	DenX neg.	DenY pos.	DenY neg.	%Mag car.	
1	si	100	20	5	3	no	200	Mx	1	12	0	0	0	0	

IDEN	ASTE FONDAZIONE						
Crit N.ro	Min T/σ	Verif. Alette	%Scorr Staffe	P max. Staffe	P min. Staffe	$\tau$ Mtmin dN/cm <sup>2</sup>	Ferri parete
2	si	no	100	20	10	3	no

IDEN	PILASTRI			
Crit N.ro	Def Tag	$\tau$ Mtmin dN/cm <sup>2</sup>	Tipo verif.	
3	si	3.0	Dev.	

IDEN	PILASTRI			
Crit N.ro	Def Tag	$\tau$ Mtmin dN/cm <sup>2</sup>	Tipo verif.	

IDENTIF.		%	CARATTERISTICHE DEL MATERIALE										DURABILITA'			CARATTER. COSTRUTTIVE					FLAG	
Crit N.ro	Elem.	Rig Tor	Rck dN/cm <sup>2</sup>	Classe Acciai	Mod. E dN/cm <sup>2</sup>	Pois son	Sgmc	tauc0 daN/cm <sup>2</sup>	tauc1 daN/cm <sup>2</sup>	Sgmf	om og	Gamma dN/mc	Tipo Ambiente	Tipo Armatura	Toll. Copr.	Copr staf	Copr ferr	Fi min	Fi st.	Lun sta	Li n.	Ap pe
1	ELEV.	30	300	FeB44k	312201	0.20						2500	Ordinario	SENSIBILE	0.00	2.0	3.6	16	8	80	1	0
2	FOND.	30	250	B450C	299619	0.20						2500	Ordinario	POCO SENS.	0.50	2.0	3.6	16	8	80	1	1
3	PILAS	30	300	B450C	314758	0.20						2500	Ordinario	POCO SENS.	0.50	2.0	3.6	16	8	70	1	1
101	ACCIAIO																					

CRITERI PER IL CALCOLO AGLI STATI LIMITE ULTIMI E DI ESERCIZIO																							
Cri Nro	Tipo Elem	fck	fcd	rcd	fyk	fyd	Ey	ec0	ecu	eyu	At/Ac	Mt/Mtu	Wra mm	Wfr mm	Wpe mm	ccRar	ccPer	cfRar	Spo Rar	Spo Fre	Spo Per	Coe Vis	euk
1	ELEV.	250.0	132.0	132.0	4400	3826	2100000	0.20	0.35	1.00	50	10	0.3	0.2	150.0	112.0	2660					2.0	0.04
2	FOND.	200.0	106.0	106.0	4500	3913	2100000	0.20	0.35	1.00	50	10	0.4	0.3	120.0	90.0	3600					2.0	0.08
3	PILAS	250.0	132.0	132.0	4500	3913	2100000	0.20	0.35	1.00	50	10	0.4	0.3	150.0	112.0	3600					2.0	0.08

### CRITERI DI PROGETTO GEOTECNICI - FONDAZIONI SUPERFICIALI

IDEN	COSTANTE WINKLER	
Crit N.ro	KwVert daN/cm <sup>2</sup>	KwOriz. daN/cm <sup>2</sup>
1	15.00	0.00

IDEN	COSTANTE WINKLER	
Crit N.ro	KwVert daN/cm <sup>2</sup>	KwOriz. daN/cm <sup>2</sup>
2	5.00	0.00

IDEN	COSTANTE WINKLER	
Crit N.ro	KwVert daN/cm <sup>2</sup>	KwOriz. daN/cm <sup>2</sup>

### DATI GENERALI DI STRUTTURA

PARAMETRI SISMICI			
Vita Nominale (Anni)	50	Classe d' Uso	TERZA
Longitudine Est (Grd)	11.05396	Latitudine Nord (Grd)	43.88499
Categoria Suolo	B	Coeff. Condiz. Topogr.	1.00000
Sistema Costruttivo Dir.1	C.A.	Sistema Costruttivo Dir.2	C.A.
Regolarita' in Altezza	NO(KR=.8)	Regolarita' in Pianta	NO
Direzione Sisma (Grd)	0	Sisma Verticale	ASSENTE
PARAMETRI SPETTRO ELASTICO - SISMA S.L.O.			
Probabilita' Pvr	0.81	Periodo di Ritorno Anni	45.00
Accelerazione Ag/g	0.06	Periodo T'c (sec.)	0.26
Fo	2.54	Fv	0.82
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.13
Periodo TC (sec.)	0.38	Periodo TD (sec.)	1.83
PARAMETRI SPETTRO ELASTICO - SISMA S.L.D.			
Probabilita' Pvr	0.63	Periodo di Ritorno Anni	75.00
Accelerazione Ag/g	0.07	Periodo T'c (sec.)	0.27
Fo	2.54	Fv	0.91
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.13
Periodo TC (sec.)	0.39	Periodo TD (sec.)	1.88
PARAMETRI SPETTRO ELASTICO - SISMA S.L.V.			
Probabilita' Pvr	0.10	Periodo di Ritorno Anni	712.00
Accelerazione Ag/g	0.16	Periodo T'c (sec.)	0.31
Fo	2.40	Fv	1.31
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.14
Periodo TC (sec.)	0.43	Periodo TD (sec.)	2.25
PARAMETRI SPETTRO ELASTICO - SISMA S.L.C.			

Probabilita' Pvr	0.05	Periodo di Ritorno Anni	1462.00
Accelerazione Ag/g	0.20	Periodo T'c (sec.)	0.31
Fo	2.39	Fv	1.46
Fattore Stratigrafia 'S'	1.20	Periodo TB (sec.)	0.15
Periodo TC (sec.)	0.44	Periodo TD (sec.)	2.42
P A R A M E T R I S I S T E M A C O S T R U T T I V O C. A.			
Classe Duttilita' BASSA		Sotto-Sistema Strutturale Pendolo	
AlfaU/AlfaI	1.10	Fattore riduttivo KW	1.00
Fattore di struttura 'q'	1.20		
P A R A M E T R I S I S T E M A C O S T R U T T I V O C. A.			
Classe Duttilita' BASSA		Sotto-Sistema Strutturale Pendolo	
AlfaU/AlfaI	1.10	Fattore riduttivo KW	1.00
Fattore di struttura 'q'	1.20		
COEFFICIENTI DI SICUREZZA PARZIALI DEI MATERIALI			
Acciaio per CLS armato	1.15	Calcestruzzo CLS armato	1.60
Muratura azioni sismiche	3.00	Muratura azioni statiche	2.00
Livello conoscenza	ADEGUATO		

#### DATI GENERALI DI STRUTTURA

D A T I D I C A L C O L O A G L I S T A T I L I M I T E			
T R A V I D I E L E V A Z I O N E			
Res. caratt. cls fck daN/cm <sup>2</sup>	250.0	Rap. Mom.T / Mom.T.Ult. (%)	10
Res. calcolo cls fcd daN/cm <sup>2</sup>	132.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cm <sup>2</sup>	132.0	Ampiezza fess. comb freq mm	0.3
Res. caratt. fer fyk daN/cm <sup>2</sup>	4400	Ampiezza fess. comb perm mm	0.2
Res. calcolo fer fyd daN/cm <sup>2</sup>	3826	Sigma mass. cls rara daN/cm <sup>2</sup>	150.0
Mod. elastico ferro daN/cm <sup>2</sup>	2100000	Sigma mass. cls perm daN/cm <sup>2</sup>	112.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cm <sup>2</sup>	2660
Deformazione ultima cls ecu	0.35	lung.elem. / spos.lim rara	
Deformazione ultima fer eyu	1.00	lung.elem. / spos.lim perm.	
Rap. incr. arm. tes/comp (%)	50	Coefficiente di viscosita'	2.0
T R A V I D I F O N D A Z I O N E			
Res. caratt. cls fck daN/cm <sup>2</sup>	200.0	Rap. Mom.T / Mom.T.Ult. (%)	10
Res. calcolo cls fcd daN/cm <sup>2</sup>	106.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cm <sup>2</sup>	106.0	Ampiezza fess. comb freq mm	0.4
Res. caratt. fer fyk daN/cm <sup>2</sup>	4500	Ampiezza fess. comb perm mm	0.3
Res. calcolo fer fyd daN/cm <sup>2</sup>	3913	Sigma mass. cls rara daN/cm <sup>2</sup>	120.0
Mod. elastico ferro daN/cm <sup>2</sup>	2100000	Sigma mass. cls perm daN/cm <sup>2</sup>	90.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cm <sup>2</sup>	3600
Deformazione ultima cls ecu	0.35	lung.elem. / spos.lim rara	
Deformazione ultima fer eyu	1.00	lung.elem. / spos.lim perm.	
Rap. incr. arm. tes/comp (%)	50	Coefficiente di viscosita'	2.0

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

Res. caratt. cls fck daN/cm <sup>2</sup>	250.0	Rap. Mom.T / Mom.T.Ult. (%)	10
Res. calcolo cls fcd daN/cm <sup>2</sup>	132.0	Ampiezza fess. comb rara mm	
Res. fless. cls rcd daN/cm <sup>2</sup>	132.0	Ampiezza fess. comb freq mm	0.4
Res. caratt. fer fyk daN/cm <sup>2</sup>	4500	Ampiezza fess. comb perm mm	0.3
Res. calcolo fer fyd daN/cm <sup>2</sup>	3913	Sigma mass. cls rara daN/cm <sup>2</sup>	150.0
Mod. elastico ferro daN/cm <sup>2</sup>	210000	Sigma mass. cls perm daN/cm <sup>2</sup>	112.0
Deform. lim. elast. cls ec0	0.20	Sigma mass. fer rara daN/cm <sup>2</sup>	3600
Deformazione ultima cls ecu	0.35	lung.elem. / spos.lim rara	
Deformazione ultima fer eyu	1.00	lung.elem. / spos.lim perm.	
Rap. incr. arm. tes/comp (%)	50	Coefficiente di viscosita'	2.0

**S E T T I**

Res. caratt. cls fck daN/cm <sup>2</sup>	200.0	Ampiezza fess. comb rara mm	
Res. calcolo cls fcd daN/cm <sup>2</sup>	106.0	Ampiezza fess. comb freq mm	0.3
Res. fless. cls rcd daN/cm <sup>2</sup>	106.0	Ampiezza fess. comb perm mm	0.2
Res. caratt. fer fyk daN/cm <sup>2</sup>	4400	Sigma mass. cls rara daN/cm <sup>2</sup>	120.0
Res. calcolo fer fyd daN/cm <sup>2</sup>	3826	Sigma mass. cls perm daN/cm <sup>2</sup>	90.0
Mod. elastico ferro daN/cm <sup>2</sup>	210000	Sigma mass. fer rara daN/cm <sup>2</sup>	3520
Deform. lim. elast. cls ec0	0.20		
Deformazione ultima cls ecu	0.35		
Deformazione ultima fer eyu	1.00		
Rap. incr. arm. tes/comp (%)	50		

### COORDINATE E TIPOLOGIA FILI FISSI

Filo N.ro	Ascissa m	Ordinata m
1	0.00	0.00
3	-3.65	-1.71
5	1.75	-3.63
7	3.60	1.82
9	-1.88	3.57
11	-5.42	1.78
13	-2.63	-3.06
15	3.14	-2.54
17	2.57	3.11

Filo N.ro	Ascissa m	Ordinata m
2	0.00	1.80
4	-1.26	-3.83
6	3.83	-1.26
8	1.26	3.83
10	-3.90	2.55
12	-1.87	-0.81
14	0.34	-4.02
16	4.04	0.00
18	-0.05	4.04

### QUOTE PIANI SISMICI ED INTERPIANI

Quota N.ro	Altezza m	Tipologia	Reg. Tamp.	
			XY	Alt.
0	0.00	Piano Terra		

Quota N.ro	Altezza m	Tipologia	Reg. Tamp.	
			XY	Alt.
1	2.71	Piano sismico	SI	NO

### PILASTRI IN C.A. QUOTA 2.71 m

Filo N.ro	Sez. N.ro	Tipologia (cm)	Magrone (cm)	Ang. (Grd)	Cod.	dx (cm)	dy (cm)	Crit. N.ro
3	2	Rett. 30.00 x 50.00	0.0	117.00	3	29.10	-2.00	3
4	3	Rett. 30.00 x 30.00	0.0	71.00	6	4.90	14.20	3
5	2	Rett. 30.00 x 50.00	0.0	116.00	6	-6.60	13.50	3
6	3	Rett. 30.00 x 30.00	0.0	162.00	6	-14.30	4.60	3
7	2	Rett. 30.00 x 50.00	0.0	26.00	3	-2.50	-29.00	3
8	3	Rett. 30.00 x 30.00	0.0	252.00	6	-4.60	-14.30	3
9	2	Rett. 30.00 x 50.00	0.0	117.00	8	6.80	-13.40	3
10	2	Rett. 30.00 x 50.00	0.0	117.00	3	29.10	-2.00	3
11	3	Rett. 30.00 x 30.00	0.0	27.00	2	20.20	-6.60	3
12	3	Rett. 30.00 x 30.00	0.0	27.00	3	-6.60	-20.20	3

### TRAVI IN C.A. ALLA QUOTA 0 m

Trav N.ro	Sez. N.ro	DATI GEOMETRICI					QUOTE		SCOSTAMENTI					C A R I C H I												
		Bas*Alt (cm)	Mag cm	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. daN/m	Tamp. daN/m	Ball. daN/m	Espl. daN/m	Tot. daN/m	Torc. daN	Orizz. daN/m	Assial daN/m	Ali %	Cr Nr	Cit Geo	
1	11	60	74	100	0	3	12	0.00	0.00	9	-13	0	9	-13	0	2199	0	0	0	2199	0	0	0	30	2	2
2	11	60	74	100	0	12	1	0.00	0.00	9	-13	0	9	-13	0	2604	1296	0	0	3900	0	0	0	30	2	2
3	11	60	74	100	0	12	7	0.00	0.00	9	0	0	0	-5	0	1566	1296	0	0	3272	0	0	0	30	2	2
4	11	60	74	100	0	11	10	0.00	0.00	10	-18	0	9	-18	0	1414	1296	0	0	2710	0	0	0	30	2	2
5	11	60	74	100	0	10	9	0.00	0.00	9	-18	0	9	-18	0	1488	1296	0	0	2784	0	0	0	30	2	2
6	11	60	74	100	0	9	18	0.00	0.00	5	-19	0	4	-20	0	1318	1296	0	0	2614	0	0	0	30	2	2
7	11	60	74	100	0	18	8	0.00	0.00	-3	-20	0	-4	-20	0	953	1296	0	0	2249	0	0	0	30	2	2
8	11	60	74	100	0	8	17	0.00	0.00	-10	-18	0	-11	-16	0	447	1296	0	0	1743	0	0	0	30	2	2
9	11	60	74	100	0	17	7	0.00	0.00	-16	-13	0	-17	-10	0	606	1296	0	0	1902	0	0	0	4	2	2
10	11	60	74	100	0	7	16	0.00	0.00	-19	-5	0	-20	-2	0	139	1296	0	0	1435	0	0	0	30	2	2
11	11	60	74	100	0	16	16	0.00	0.00	-20	-1	0	-20	-3	0	535	1296	0	0	1831	0	0	0	30	2	2
12	11	60	74	100	0	6	15	0.00	0.00	-19	5	0	-18	10	0	1021	1296	0	0	2317	0	0	0	30	2	2
13	11	60	74	100	0	3	13	0.00	0.00	16	12	0	14	14	0	510	1296	0	0	1806	0	0	0	0	2	2
14	11	60	74	100	0	13	4	0.00	0.00	10	17	0	6	19	0	427	1296	0	0	1723	0	0	0	30	2	2
15	11	60	74	100	0	4	14	0.00	0.00	2	20	0	-2	20	0	924	1296	0	0	2220	0	0	0	30	2	2
16	11	60	74	100	0	14	5	0.00	0.00	-5	19	0	-10	17	0	1353	1296	0	0	2649	0	0	0	30	2	2
17	11	60	74	100	0	5	15	0.00	0.00	-12	16	0	-15	13	0	1323	1296	0	0	2619	0	0	0	30	2	2
18	1	40	74	80	0	3	11	0.00	0.00	18	9	0	19	9	0	465	0	0	0	465	0	0	0	0	2	2
19	1	40	74	80	0	12	10	0.00	0.00	-18	-9	0	18	9	0	930	1296	0	0	2226	0	0	0	0	2	2

TRAVI IN C.A. ALLA QUOTA 2.71 m

Trav N.ro	Sez. N.ro	DATI GEOMETRICI					QUOTE		SCOSTAMENTI					C A R I C H I												
		Bas*Alt (cm)	Mag cm	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. daN/m	Tamp. daN/m	Ball. daN/m	Espl. daN/m	Tot. daN/m	Torc. daN	Orizz. daN/m	Assial daN/m	Ali %	Cr Nr	Cit Geo	
1	4	30	40	0	0	3	12	2.71	2.71	9	-13	0	9	-13	0	2610	0	0	0	2610	0	0	0	9	1	1
2	4	30	40	0	0	12	1	2.71	2.71	9	-13	0	9	0	0	3045	0	0	0	3045	0	0	0	9	1	1
3	4	30	40	0	0	1	7	2.71	2.71	9	0	0	0	-5	0	2364	0	0	0	2364	0	0	0	9	1	1
4	4	30	40	0	0	11	10	2.71	2.71	7	-13	0	7	-13	0	1569	192	0	0	1761	0	0	0	9	1	1
5	4	30	40	0	0	10	9	2.71	2.71	7	-13	0	7	-13	0	1581	192	154	0	1927	0	0	0	11	1	1
6	4	30	40	0	0	9	18	2.71	2.71	4	-15	0	4	-15	0	1403	192	154	0	1749	0	0	0	11	1	1
7	4	30	40	0	0	18	8	2.71	2.71	-2	-15	0	-2	-15	0	981	192	154	0	1327	0	0	0	12	1	1
8	4	30	40	0	0	8	17	2.71	2.71	-7	-13	0	-7	-13	0	414	192	154	0	760	0	0	0	14	1	1
9	4	30	40	0	0	17	7	2.71	2.71	-12	-9	0	-12	-9	0	498	192	154	0	844	0	0	0	3	1	1
10	4	30	40	0	0	7	16	2.71	2.71	-15	-4	0	-15	-4	0	60	192	154	0	406	0	0	0	18	1	1
11	4	30	40	0	0	16	6	2.71	2.71	-15	2	0	-15	2	0	516	192	154	0	862	0	0	0	13	1	1
12	4	30	40	0	0	6	15	2.71	2.71	-13	7	0	-13	7	0	1057	192	154	0	1403	0	0	0	12	1	1
13	4	30	40	0	0	13	13	2.71	2.71	12	9	0	12	9	0	495	192	154	0	841	0	0	0	14	1	1
14	4	30	40	0	0	13	4	2.71	2.71	7	13	0	7	13	0	391	192	154	0	737	0	0	0	14	1	1
15	4	30	40	0	0	4	14	2.71	2.71	2	15	0	2	15	0	958	192	154	0	1304	0	0	0	12	1	1
16	4	30	40	0	0	14	5	2.71	2.71	-4	15	0	-4	15	0	1441	192	154	0	1787	0	0	0	11	1	1
17	4	30	40	0	0	5	15	2.71	2.71	-9	12	0	-9	12	0	1415	192	154	0	1761	0	0	0	11	1	1
18	4	30	40	0	0	3	11	2.71	2.71	13	7	0	13	7	0	495	192	154	0	841	0	0	0	3	1	1
19	4	30	40	0	0	12	10	2.71	2.71	-11	-6	0	14	7	0	989	0	0	0	989	0	0	0	0	1	1

COMBINAZIONI CARICHI - S.L.V. - A1

DESCRIZIONI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PESO PROPRIO	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SOVRACCARICO PERMAN.	1.50	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. Abitazioni	1.50	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	0.30
Var. Neve	1.50	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Var. Vento	1.50	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. Nev.q<1000	1.50	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	1.50	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	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
Corr. Tors. dir. 90	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	-0.30
SISMA DIREZ. GRD 0	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	-1.00
SISMA DIREZ. GRD 90	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	-0.30

COMBINAZIONI CARICHI - S.L.V. - A1

DESCRIZIONI	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
PESO PROPRIO	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
SOVRACCARICO PERMAN.	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. Abitazioni	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	0.30	0.30
Var. Neve	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Var. Vento	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. Nev.q<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	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
Corr. Tors. dir. 90	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	-1.00
SISMA DIREZ. GRD 0	-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	-0.30
SISMA DIREZ. GRD 90	-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	-1.00

COMBINAZIONI CARICHI - S.L.V. - A1

DESCRIZIONI	31	32	33
PESO PROPRIO	1.00	1.00	1.00
SOVRACCARICO PERMAN.	1.00	1.00	1.00
Var. Abitazioni	0.30	0.30	0.30
Var. Neve	0.20	0.20	0.20
Var. Vento	0.00	0.00	0.00
Var. Nev.q<1000	0.00	0.00	0.00
Var. Coperture	0.00	0.00	0.00
Corr. Tors. dir. 0	0.30	-0.30	

DESCRIZIONI	31	32	33
SISMA DIREZ. GRD 90	-1.00	-1.00	-1.00

**COMBINAZIONI CARICHI - S.L.V. - A2**

DESCRIZIONI	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PESO PROPRIO	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
SOVRACCARICO PERMAN.	1.30	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Var.Abitazioni	1.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Var.Neve	1.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Var.Vento	1.30	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.Nev.q<1000	1.30	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	1.30	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	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
Corr. Tors. dir. 90	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	-0.30
SISMA DIREZ. GRD 0	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	-1.00
SISMA DIREZ. GRD 90	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	-0.30

**COMBINAZIONI CARICHI - S.L.V. - A2**

DESCRIZIONI	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
PESO PROPRIO	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
SOVRACCARICO PERMAN.	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.Abitazioni	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	0.30	0.30
Var.Neve	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Var.Vento	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.Nev.q<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	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
Corr. Tors. dir. 90	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	-1.00
SISMA DIREZ. GRD 0	-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	-0.30
SISMA DIREZ. GRD 90	-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	-1.00

**COMBINAZIONI CARICHI - S.L.V. - A2**

DESCRIZIONI	31	32	33
PESO PROPRIO	1.00	1.00	1.00
SOVRACCARICO PERMAN.	1.00	1.00	1.00
Var.Abitazioni	0.30	0.30	0.30
Var.Neve	0.20	0.20	0.20
Var.Vento	0.00	0.00	0.00
Var.Nev.q<1000	0.00	0.00	0.00
Var.Coperture	0.00	0.00	0.00
Corr. Tors. dir. 0	0.30	-0.30	0.30
Corr. Tors. dir. 90	-1.00	1.00	1.00
SISMA DIREZ. GRD 0	-0.30	-0.30	-0.30
SISMA DIREZ. GRD 90	-1.00	-1.00	-1.00

**COMBINAZIONI RARE - S.L.E.**

DESCRIZIONI	1
PESO PROPRIO	1.00
SOVRACCARICO PERMAN.	1.00
Var.Abitazioni	1.00
Var.Neve	1.00
Var.Vento	1.00
Var.Nev.q<1000	1.00
Var.Coperture	1.00
Corr. Tors. dir. 0	0.00
Corr. Tors. dir. 90	0.00
SISMA DIREZ. GRD 0	0.00
SISMA DIREZ. GRD 90	0.00

**COMBINAZIONI FREQUENTI - S.L.E.**

DESCRIZIONI	1
PESO PROPRIO	1.00
SOVRACCARICO PERMAN.	1.00
Var.Abitazioni	0.50
Var.Neve	0.50
Var.Vento	0.20
Var.Nev.q<1000	0.20
Var.Coperture	0.00
Corr. Tors. dir. 0	0.00
Corr. Tors. dir. 90	0.00
SISMA DIREZ. GRD 0	0.00
SISMA DIREZ. GRD 90	0.00

**COMBINAZIONI PERMANENTI - S.L.E.**

DESCRIZIONI	1
PESO PROPRIO	1.00
SOVRACCARICO PERMAN.	1.00
Var.Abitazioni	0.30
Var.Neve	0.20
Var.Vento	0.00

Var.Nev.g<1000	0.00
Var.Copertura	0.00
Corr. Tors. dir. 0	0.00
Corr. Tors. dir. 90	0.00
SISMA DIREZ. GRD 0	0.00
SISMA DIREZ. GRD 90	0.00

### 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	50.191	0.12519	5.0	0.173	0.209	0.368	0.368	0.542	0.542	1	-0.057084	0.124298	-0.002555
2	61.193	0.10268	5.0	0.155	0.187	0.337	0.337	0.488	0.488	1	0.122289	0.060280	0.008872
3	79.801	0.07874	5.0	0.134	0.163	0.304	0.304	0.432	0.432	1	-0.027995	0.007533	0.037102

### FATTORI E FORZE DI PIANO MODALI S.L.O.

S I S M A D I R E Z I O N E : 0°									
Massa eccitata kN*10: 52.71			Massa totale kN*10: 52.71			Rapporto:1			
Modo N.ro	Fattore Modale	Fmod/Fmax (%)	Massa Mod Eff.kN*10	Piano N.ro	FX kN*10	FY kN*10	Mt kN*10*m	Mom.Ecc. 5% kN*10*m	
1	2.991	46.85	8.95	1	1.55	-3.42	2.19	3.68	
2	6.384	100.00	40.76	1	6.30	2.98	9.75		
3	1.733	27.14	3.00	1	0.40	0.06	-5.66		

### FATTORI E FORZE DI PIANO MODALI S.L.D.

S I S M A D I R E Z I O N E : 0°									
Massa eccitata kN*10: 52.71			Massa totale kN*10: 52.71			Rapporto:1			
Modo N.ro	Fattore Modale	Fmod/Fmax (%)	Massa Mod Eff.kN*10	Piano N.ro	FX kN*10	FY kN*10	Mt kN*10*m	Mom.Ecc. 5% kN*10*m	
1	2.991	46.85	8.95	1	1.87	-4.13	2.65	4.45	
2	6.384	100.00	40.76	1	7.62	3.60	11.79		
3	1.733	27.14	3.00	1	0.49	0.08	-6.86		

### 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 kN*10: 52.71			Massa totale kN*10: 52.71			Rapporto:1			
Modo N.ro	Fattore Modale	Fmod/Fmax (%)	Massa Mod Eff.kN*10	Piano N.ro	FX kN*10	FY kN*10	Mt kN*10*m	Mom.Ecc. 5% kN*10*m	
1	2.991	46.85	8.95	1	3.29	-7.26	4.66	7.81	
2	6.384	100.00	40.76	1	13.74	6.49	21.26		
3	1.733	27.14	3.00	1	0.91	0.14	-12.80		

### FATTORI E FORZE DI PIANO MODALI S.L.C.

S I S M A D I R E Z I O N E : 0°									
Massa eccitata kN*10: 52.71			Massa totale kN*10: 52.71			Rapporto:1			
Modo N.ro	Fattore Modale	Fmod/Fmax (%)	Massa Mod Eff.kN*10	Piano N.ro	FX kN*10	FY kN*10	Mt kN*10*m	Mom.Ecc. 5% kN*10*m	
1	2.991	46.85	8.95	1	4.85	-10.69	6.85	11.50	
2	6.384	100.00	40.76	1	19.91	9.41	30.81		
3	1.733	27.14	3.00	1	1.30	0.20	-18.18		

### FATTORI E FORZE DI PIANO MODALI S.L.O.

S I S M A D I R E Z I O N E : 90°									
Massa eccitata kN*10: 52.71			Massa totale kN*10: 52.71			Rapporto:.99			
Modo N.ro	Fattore Modale	Fmod/Fmax (%)	Massa Mod Eff.kN*10	Piano N.ro	FX kN*10	FY kN*10	Mt kN*10*m	Mom.Ecc. 5% kN*10*m	
1	6.598	100.00	43.53	1	-3.42	7.55	-4.84	4.32	
2	3.018	45.75	9.11	1	2.98	1.41	4.61		
3	0.267	4.05	0.07	1	0.06	0.01	-0.87		

### FATTORI E FORZE DI PIANO MODALI S.L.D.

S I S M A D I R E Z I O N E : 90°									
Massa eccitata kN*10: 52.71			Massa totale kN*10: 52.71			Rapporto:.99			
Modo N.ro	Fattore Modale	Fmod/Fmax (%)	Massa Mod Eff.kN*10	Piano N.ro	FX kN*10	FY kN*10	Mt kN*10*m	Mom.Ecc. 5% kN*10*m	
1	6.598	100.00	43.53	1	-4.13	9.11	-5.84	5.22	
2	3.018	45.75	9.11	1	3.60	1.70	5.57		

3	0.267	4.05	0.07	1	0.08	0.01	-1.06
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**FATTORI E FORZE DI PIANO MODALI S.L.V.**

S I S M A D I R E Z I O N E : 90°								
Massa eccitata kN*10: 52.71			Massa totale kN*10: 52.71			Rapporto: .99		
Modo N.ro	Fattore Modale	Fmod/Fmax (%)	Massa Mod Eff. kN*10	Piano N.ro	FX kN*10	FY kN*10	Mt kN*10*m	Mom. Ecc. 5% kN*10*m
1	6.598	100.00	43.53	1	-7.26	16.02	-10.27	9.17
2	3.018	45.75	9.11	1	6.49	3.07	10.05	
3	0.267	4.05	0.07	1	0.14	0.02	-1.98	

**FATTORI E FORZE DI PIANO MODALI S.L.C.**

S I S M A D I R E Z I O N E : 90°								
Massa eccitata kN*10: 52.71			Massa totale kN*10: 52.71			Rapporto: .99		
Modo N.ro	Fattore Modale	Fmod/Fmax (%)	Massa Mod Eff. kN*10	Piano N.ro	FX kN*10	FY kN*10	Mt kN*10*m	Mom. Ecc. 5% kN*10*m
1	6.598	100.00	43.53	1	-10.69	23.57	-15.12	13.49
2	3.018	45.75	9.11	1	9.41	4.45	14.57	
3	0.267	4.05	0.07	1	0.20	0.03	-2.81	

**SPOSTAMENTI SISMICI RELATIVI**

I D E N T I F I C A T I V O				I N V I L U P P O S . L . D .				I N V I L U P P O S . L . O .				
Pilo N.ro	Quota inf. (m)	Quota sup. (m)	Nodo inf. N.ro	Nodo sup. N.ro	Sis ma N.ro	Spostam. Calcolo (mm)	Spostam. Limite (mm)	Sis ma N.ro	Spostam. Calcolo (mm)	Spostam. Limite (mm)	Stringa di Controllo	Verifica
1	0.00	2.71	3	28	2	0.837	13.550	2	0.698	5.420	VERIFICATO	
3	0.00	2.71	1	18	2	0.950	13.550	2	0.792	5.420	VERIFICATO	
4	0.00	2.71	15	19	2	0.899	13.550	2	0.748	5.420	VERIFICATO	
5	0.00	2.71	17	20	2	0.844	13.550	2	0.702	5.420	VERIFICATO	
6	0.00	2.71	12	21	2	0.858	13.550	2	0.713	5.420	VERIFICATO	
7	0.00	2.71	4	22	2	0.858	13.550	2	0.713	5.420	VERIFICATO	
8	0.00	2.71	9	23	2	0.844	13.550	2	0.702	5.420	VERIFICATO	
9	0.00	2.71	7	24	2	0.871	13.550	2	0.727	5.420	VERIFICATO	
10	0.00	2.71	6	25	2	0.935	13.550	2	0.781	5.420	VERIFICATO	
11	0.00	2.71	5	26	2	0.898	13.550	2	0.825	5.420	VERIFICATO	
12	0.00	2.71	5	27	2	0.891	13.550	2	0.743	5.420	VERIFICATO	
13	0.00	2.71	14	33	2	0.930	13.550	2	0.775	5.420	VERIFICATO	
14	0.00	2.71	16	34	2	0.878	13.550	2	0.730	5.420	VERIFICATO	
15	0.00	2.71	13	32	2	0.853	13.550	2	0.709	5.420	VERIFICATO	
16	0.00	2.71	11	31	2	0.861	13.550	2	0.715	5.420	VERIFICATO	
17	0.00	2.71	10	30	2	0.852	13.550	2	0.708	5.420	VERIFICATO	
18	0.00	2.71	8	29	2	0.839	13.550	2	0.698	5.420	VERIFICATO	

**STAMPA PROGETTO S.L.V. - E.C. - FONDAZIONE**

Filo Iniz. Fin. Ctege	Quota Iniz. Finale SgmT	T r a s e z Bas Alt	C o n c i o	V E R I F I C A A P R E S S O - F L E S S I O N E										V E R I F I C A A T A G L I O E T O R S I O N E												
				C o N r	A l f a X	M E x d kN10m	N E d kN*10	x/d	e f % 100	e c % 100	A r e a c m g	i n f	C o N r	V E x d kN*10	V E y d kN*10	T S d u kN*10	V R x d kN*10	V R y d kN*10	T R d kN*10	T R l d kN10m	C o e C l s	C o e S t a	A L o n c m q	s t a f f e P a s s L u n		
3	0.00	11	18	1.10	6.6	0.0	23	8	3	5.9	5.9	1	0.0	10.5	0.0	0.0	20.0	38.7	17.7	0.0	23	27	0.0	16	60	
12	0.00	40	3	1.10	11.9	0.0	24	14	5	5.9	5.9	0	0.0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0	
2.5	0.58	74	5	1.10	11.9	0.0	24	14	5	5.9	5.9	1	0.0	12.9	0.0	0.0	20.0	38.7	17.7	0.0	28	33	0.0	16	60	
12	0.00	11	1	1.10	10.6	0.0	23	13	4	5.9	5.9	1	0.0	-6.7	0.0	0.0	20.0	38.7	17.7	0.0	14	17	0.0	16	70	
1	0.00	40	3	1.10	10.6	0.0	23	13	4	5.9	5.9	0	0.0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0	
2.5	0.60	74	5	8	1.10	4.4	0.0	23	5	2	5.9	5.9	1	0.0	-4.7	0.0	0.0	20.0	38.7	17.7	0.0	10	12	0.0	16	132
1	0.00	11	18	1.10	1.2	0.0	23	1	0	5.9	5.9	1	0.0	-4.0	0.0	0.0	20.0	38.7	17.7	0.0	8	10	0.0	16	70	
7	0.00	40	3	1.10	-5.6	0.0	24	4	2	5.9	5.9	1	0.0	-2.8	0.0	0.0	20.0	38.7	17.7	0.0	5	7	0.0	16	232	
2.5	0.56	74	5	1.10	-5.6	0.0	24	4	2	5.9	5.9	1	0.0	0.8	0.0	0.0	20.0	38.7	17.7	0.0	2	2	0.0	16	70	
11	0.00	11	1	1.10	-1.3	0.0	24	1	0	5.9	5.9	1	0.0	2.0	0.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	70	
10	0.00	40	3	1.10	2.2	0.0	23	3	1	5.9	5.9	0	0.0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0	
2.5	0.58	74	5	1.10	2.2	0.0	23	3	1	5.9	5.9	1	0.0	4.0	0.0	0.0	20.0	38.7	17.7	0.0	8	10	0.0	16	70	
10	0.00	11	1	5.10	3.2	0.0	23	4	1	5.9	5.9	5	0.0	-2.4	0.0	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70	
9	0.00	40	3	23	1.10	3.3	0.0	23	4	1	5.9	5.9	32	0.0	2.3	0.0	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	10
2.5	0.63	74	5	23	1.10	3.3	0.0	23	4	1	5.9	5.9	15	0.0	2.7	0.0	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	70
9	0.00	11	1	7.10	5.0	0.0	23	6	2	5.9	5.9	5	0.0	-5.6	0.0	0.0	20.0	38.7	17.7	0.0	12	14	0.0	16	70	
18	0.00	40	3	7.10	5.0	0.0	23	6	2	5.9	5.9	5	0.0	-3.9	0.0	0.0	20.0	38.7	17.7	0.0	8	10	0.0	16	17	
2.5	0.64	74	5	23	1.10	2.4	0.0	23	3	1	5.9	5.9	5	0.0	-3.5	0.0	0.0	20.0	38.7	17.7	0.0	8	9	0.0	16	70
18	0.00	11	1	18	1.10	-2.6	0.0	24	2	1	5.9	5.9	18	0.0	2.0	0.0	0.0	20.0	38.7	17.7	0.0	4	5	0.0	16	57
8	0.00	40	3	18	1.10	-2.6	0.0	24	2	1	5.9	5.9	0	0.0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
2.5	0.64	74	5	21	1.10	-2.2	0.0	24	2	1	5.9	5.9	26	0.0	3.9	0.0	0.0	20.0	38.7	17.7	0.0	9	10	0.0	16	57
8	0.00	11	1	30	1.10	2.0	0.0	23	2	1	5.9	5.9	1	0.0	-4.6	0.0	0.0	20.0	38.7	17.7	0.0	10	11	0.0	16	64
17	0.00	40	3	30	1.10	2.0	0.0	23	2	1	5.9	5.9	0	0.0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
2.5	0.62	74	5	5	1.10	-2.8	0.0	24	2	1	5.9	5.9	30	0.0	-2.4	0.0	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	64
17	0.00	11	1	7.10	-3.3	0.0	24	3	1	5.9	5.9	26	0.0	3.9	0.0	0.0	20.0	38.7	17.7	0.0	8	10	0.0	16	70	
7	0.00	40	3	27	1.10	4.8	0.0	23	6	2	5.9	5.9	26	0.0	4.3	0.0	0.0	20.0	38.7	17.7	0.0	9	11	0.0	16	18
2.5	0.57	74	5	27	1.10	4.8	0.0	23	6	2	5.9	5.9	18	0.0	6.7	0.0	0.0	20.0	38.7	17.7	0.0	14	17	0.0	16	70
7	0.00	11	1	30	1.10	4.7	0.0	23	6	2	5.9	5.9	1	0.0	-6.3	0.0	0.0	20.0	38.7	17.7	0.0	13	16	0.0	16	66
16	0.00	40	3	30	1.10	4.7	0.0	23	6	2	5.9	5.9	0	0.0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
2.5	0.60	74	5	18	1.10	-2.0	0.0	24	2	1	5.9	5.9	30	0.0	-4.4	0.0	0.0	20.0	38.7	17.7	0.0	9	11	0.0	16	66
16	0.00	11	1	2	1.10	-2.0	0.0	24	2	1	5.9	5.9	2	0.0	2.8	0.0	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	54
6	0.00	40	3	2	1.10	-2.0	0.0	24	2	1	5.9	5.9	0	0.0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
2.5	0.63	74	5	18	1.10	1.5	0.0	23	2	1	5.9	5.9	2	0.0	4.0	0.0	0.0	20.0	38.7	17.7	0.0	9	10	0.0	16	54
6	0.00	11	1	14	1.10	1.5	0.0	23	2	1	5.9	5.9	30	0.0	-4.9	0.0	0.0	20.0	38.7	17.7	0.0	10	12	0.0	16	63
15	0.00	40	3	30	1.10	-2.9	0.0	24	2	1	5.9	5.9	0	0.0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0



2.5	0.64	74	5	30	1.10	-2.9	0.0	24	2	1	5.9	5.9	30	0.0	-3.3	0.0	20.0	38.7	17.7	0.0	7	8	0.0	16	63
3	0.00	11	1	1	1.10	5.2	0.0	23	6	2	5.9	5.9	1	0.0	-6.2	0.0	20.0	38.7	17.7	0.0	13	16	0.0	16	66
13	0.00	40	3	1	1.10	5.2	0.0	23	6	2	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
2.5	0.52	74	5	8	1.10	2.8	0.0	23	3	1	5.9	5.9	24	0.0	-4.4	0.0	20.0	38.7	17.7	0.0	9	11	0.0	16	66
13	0.00	11	1	21	1.10	1.2	0.0	23	1	0	5.9	5.9	24	0.0	-2.8	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	69
4	0.00	40	3	28	1.10	2.6	0.0	23	3	1	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
2.5	0.57	74	5	28	1.10	2.6	0.0	23	3	1	5.9	5.9	12	0.0	3.6	0.0	20.0	38.7	17.7	0.0	7	9	0.0	16	69
4	0.00	11	1	23	1.10	-2.2	0.0	24	2	1	5.9	5.9	24	0.0	-3.9	0.0	20.0	38.7	17.7	0.0	8	10	0.0	16	70
14	0.00	40	3	24	1.10	-2.9	0.0	24	2	1	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
2.5	0.60	74	5	24	1.10	-2.9	0.0	24	2	1	5.9	5.9	10	0.0	2.3	0.0	20.0	38.7	17.7	0.0	5	6	0.0	16	70
14	0.00	11	1	28	1.10	3.3	0.0	23	4	1	5.9	5.9	10	0.0	2.8	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	58
5	0.00	40	3	12	1.10	4.2	0.0	23	5	2	5.9	5.9	0	0.0	0.0	0.0	20.0	38.7	17.7	0.0	0	0	0.0	16	0
2.5	0.63	74	5	12	1.10	4.2	0.0	23	5	2	5.9	5.9	14	0.0	4.8	0.0	20.0	38.7	17.7	0.0	10	12	0.0	16	58
5	0.00	11	1	2	1.10	4.7	0.0	23	6	2	5.9	5.9	8	0.0	-5.1	0.0	20.0	38.7	17.7	0.0	11	13	0.0	16	70
15	0.00	40	3	2	1.10	4.7	0.0	23	6	2	5.9	5.9	2	0.0	-3.1	0.0	20.0	38.7	17.7	0.0	6	8	0.0	16	6
2.5	0.63	74	5	18	1.10	2.5	0.0	23	3	1	5.9	5.9	2	0.0	-3.0	0.0	20.0	38.7	17.7	0.0	6	7	0.0	16	70
3	0.00	1	1	1	1.10	4.6	0.0	21	6	2	5.9	5.9	1	0.0	-8.3	0.0	20.0	38.7	13.4	0.0	17	21	0.0	16	70
11	0.00	40	3	12	1.10	-4.6	0.0	21	6	2	5.9	5.9	1	0.0	-5.5	0.0	20.0	38.7	13.4	0.0	11	14	0.0	16	220
2.5	0.57	74	5	12	1.10	-4.3	0.0	21	5	2	5.9	5.9	1	0.0	5.5	0.0	20.0	38.7	13.4	0.0	12	14	0.0	16	70
12	0.00	1	1	17	1.10	-2.8	0.0	21	3	1	5.9	5.9	26	0.0	-4.3	0.0	20.0	38.7	13.4	0.0	9	11	0.0	16	70
10	0.00	40	3	21	1.10	-4.4	0.0	21	5	2	5.9	5.9	18	0.0	-3.1	0.0	20.0	38.7	13.4	0.0	7	8	0.0	16	219
2.5	0.58	74	5	21	1.10	-4.4	0.0	21	5	2	5.9	5.9	15	0.0	3.1	0.0	20.0	38.7	13.4	0.0	7	8	0.0	16	70

STAMPA PROGETTO S.L.V. - E.C. - ELEVAZIONE

Filo Iniz Fin. Ctg#	Quota Iniz Finale AmpC	T r a t	Sez Bas Alt	Co nc io	VERIFICA A PRESSO-FLESSIONE										VERIFICA A TAGLIO E TORSIONE											
					Co Nr	M Exd (kN*m)	E yD *m	N Ed kN*10	x/ d	f# 100	f% 100	Area sup	cmg inf	Co Nr	V Exd kN*10	V Eyd kN*10	T Sdu kN10m	V Rxd kN*10	V Ryd kN*10	TRd (kN*	TRld 0)*m	Coe Cls	Coe Sta	ALon cmg	staffe Pass	Lun
12	2.71	30	3	1	-6.3	0.0	0.0	28	18	8	5.1	4.5	2	0.0	-5.4	0.0	11.4	15.8	1.4	0.0	23	33	0.0	20	40	
2.5	1.00	40	5	1	-6.6	0.0	0.0	28	18	8	5.1	4.5	1	0.0	-6.7	0.0	11.4	15.8	1.4	0.0	19	12	0.0	9	40	
12	2.71	4	1	1	-10.5	0.0	0.0	34	18	11	8.9	5.0	1	0.0	12.8	0.0	21.6	22.4	2.5	0.0	21	13	0.0	9	40	
1	2.71	30	3	1	-5.7	0.0	0.0	27	16	7	5.0	4.5	1	0.0	10.9	0.0	11.4	15.8	1.4	0.0	48	69	0.0	20	123	
2.5	1.00	40	5	1	5.7	0.0	0.0	27	17	7	4.5	5.0	1	0.0	4.9	0.0	21.6	22.4	2.5	0.0	57	36	0.0	9	40	
1	2.71	4	1	1	6.7	0.0	0.0	28	18	8	4.5	5.4	1	0.0	3.2	0.0	21.6	22.4	2.5	0.0	48	31	0.0	9	40	
7	2.71	30	3	1	7.0	0.0	0.0	28	19	9	4.5	5.6	1	0.0	-9.2	0.0	11.4	15.8	1.4	0.0	41	58	0.0	20	293	
2.5	1.00	40	5	1	-8.6	0.0	0.0	32	17	9	7.6	5.0	1	0.0	-10.9	0.0	21.6	22.4	2.5	0.0	14	9	0.0	9	40	
11	2.71	4	1	17	-1.1	0.0	0.0	24	4	1	4.0	4.0	15	0.0	2.8	0.0	21.6	22.4	2.5	0.0	11	7	0.0	9	40	
10	2.71	30	3	1	1.1	0.0	0.0	24	4	1	4.0	4.0	15	0.0	2.0	0.0	11.4	15.8	1.4	0.0	9	12	0.0	20	60	
2.5	1.00	40	5	5	-1.2	0.0	0.0	24	4	2	4.0	4.0	3	0.0	-2.5	0.0	21.6	22.4	2.5	0.0	12	7	0.0	9	40	
10	2.71	4	1	17	-2.3	0.0	0.0	24	8	3	4.0	4.0	17	0.0	3.9	0.0	21.6	22.4	2.5	0.0	16	10	0.0	9	40	
9	2.71	30	3	5	-1.5	0.0	0.0	24	5	2	4.0	4.0	17	0.0	3.2	0.0	11.4	15.8	1.4	0.0	14	20	0.0	20	70	
2.5	1.00	40	5	5	-2.2	0.0	0.0	24	8	3	4.0	4.0	3	0.0	-3.6	0.0	21.6	22.4	2.5	0.0	17	11	0.0	9	40	
9	2.71	4	1	11	-2.2	0.0	0.0	24	8	3	4.0	4.0	11	0.0	3.3	0.0	21.6	22.4	2.5	0.0	8	5	0.0	9	40	
18	2.71	30	3	1	-1.6	0.0	0.0	24	6	2	4.0	4.0	11	0.0	2.2	0.0	11.4	15.8	1.4	0.0	9	14	0.0	20	78	
2.5	1.00	40	5	23	1.0	0.0	0.0	24	3	1	4.0	4.0	7	0.0	-1.8	0.0	21.6	22.4	2.5	0.0	14	9	0.0	9	40	
18	2.71	4	1	30	0.6	0.0	0.0	24	2	1	4.0	4.0	7	0.0	-2.3	0.0	21.6	22.4	2.5	0.0	17	11	0.0	9	40	
8	2.71	30	3	5	-2.4	0.0	0.0	24	9	3	4.0	4.0	1	0.0	-2.8	0.0	11.4	15.8	1.4	0.0	12	18	0.0	20	33	
2.5	1.00	40	5	5	-2.6	0.0	0.0	24	9	3	4.0	4.0	1	0.0	-3.9	0.0	21.6	22.4	2.5	0.0	10	6	0.0	9	40	
8	2.71	4	1	18	-3.5	0.0	0.0	24	13	5	4.0	4.0	1	0.0	3.6	0.0	21.6	22.4	2.5	0.0	12	8	0.0	9	40	
17	2.71	30	3	18	-3.1	0.0	0.0	24	11	4	4.0	4.0	26	0.0	3.3	0.0	11.4	15.8	1.4	0.0	14	20	0.0	20	49	
2.5	1.00	40	5	1	0.9	0.0	0.0	24	3	1	4.0	4.0	26	0.0	2.8	0.0	21.6	22.4	2.5	0.0	16	10	0.0	9	40	
17	2.71	4	1	27	1.4	0.0	0.0	24	5	2	4.0	4.0	26	0.0	2.5	0.0	21.6	22.4	2.5	0.0	8	5	0.0	9	40	
7	2.71	30	3	27	3.4	0.0	0.0	24	12	4	4.0	4.0	26	0.0	2.3	0.0	11.4	15.8	1.4	0.0	10	14	0.0	20	79	
2.5	1.00	40	5	27	3.7	0.0	0.0	24	13	5	4.0	4.0	22	0.0	-1.8	0.0	21.6	22.4	2.5	0.0	11	7	0.0	9	40	
7	2.71	4	1	30	3.9	0.0	0.0	24	14	5	4.0	4.0	18	0.0	2.5	0.0	21.6	22.4	2.5	0.0	13	8	0.0	9	40	
16	2.71	30	3	30	3.6	0.0	0.0	24	13	5	4.0	4.0	30	0.0	-2.7	0.0	11.4	15.8	1.4	0.0	11	16	0.0	20	52	
2.5	1.00	40	5	30	1.7	0.0	0.0	24	6	2	4.0	4.0	30	0.0	-2.9	0.0	21.6	22.4	2.5	0.0	11	7	0.0	9	40	
16	2.71	4	1	14	0.7	0.0	0.0	24	2	1	4.0	4.0	30	0.0	-3.4	0.0	21.6	22.4	2.5	0.0	18	11	0.0	9	40	
6	2.71	30	3	30	-3.3	0.0	0.0	24	12	4	4.0	4.0	30	0.0	-3.6	0.0	11.4	15.8	1.4	0.0	16	23	0.0	20	28	
2.5	1.00	40	5	30	-3.3	0.0	0.0	24	12	4	4.0	4.0	30	0.0	-4.0	0.0	21.6	22.4	2.5	0.0	15	9	0.0	9	40	
6	2.71	4	1	2	-3.0	0.0	0.0	24	11	4	4.0	4.0	2	0.0	3.8	0.0	21.6	22.4	2.5	0.0	11	7	0.0	9	40	
15	2.71	30	3	2	-2.6	0.0	0.0	24	9	3	4.0	4.0	2	0.0	3.2	0.0	11.4	15.8	1.4	0.0	14	20	0.0	20	45	
2.5	1.00	40	5	18	0.8	0.0	0.0	24	3	1	4.0	4.0	2	0.0	2.5	0.0	21.6	22.4	2.5	0.0	16	10	0.0	9	40	
3	2.71	4	1	28	-3.4	0.0	0.0	24	12	4	4.0	4.0	28	0.0	3.0	0.0	21.6	22.4	2.5							

Filo Iniz. Fin. Ctg	Quota Iniz. Finale N/Nc	Traz. Bas. Alt.	Sez. Bas. Alt.	Co. No.	VERIFICA A PRESSO-FLESSIONE								VERIFICA A TAGLIO E TORSIONE											
					Co. Nr	M Exd (kN*10)*m	N Ed (kN*10)	x/d	sf% 100	sc% 100	Area cmq b	cmq h	Co. Nr	V Exd (kN*10)	V Eyd (kN*10)	T Sdu (kN10m)	V Rxd (kN*10)	V Ryd (kN*10)	TRd (kN*)	TRld (0)*m	Coe Cls	Coe Sta	ALon cmq	staffe Pass Lun
3	0.00	2	1	24	1.9	-4.6	-2.7	16	9	6.3	5.3	28	-3.8	0.5	0.0	19.5	51.3	3.2	0.0	15	19	0.0	12	50
3	2.71	30	3	12	1.6	1.1	-4.0	4	3	6.2	5.3	28	-3.8	0.5	0.0	12.3	32.4	2.0	0.0	15	30	0.0	19	131
2.5	0.03	50	5	24	-0.6	3.9	-1.8	12	6	5.5	6.0	28	-3.8	0.5	0.0	19.5	51.3	3.2	0.0	15	19	0.0	12	50
4	0.00	3	1	28	3.3	0.7	-2.4	16	10	4.3	4.2	28	-0.3	2.8	0.0	16.4	16.4	1.7	0.0	18	14	0.0	12	56
4	2.71	30	3	28	0.7	0.4	-2.2	3	3	4.2	4.3	28	-0.3	2.8	0.0	12.3	12.3	1.1	0.0	18	22	0.0	19	109
2.5	0.04	30	5	12	-3.1	0.4	-3.5	14	8	4.3	4.2	28	-0.3	2.8	0.0	16.4	16.4	1.7	0.0	18	14	0.0	12	66
5	0.00	2	1	8	-6.5	0.7	-5.9	11	7	5.0	6.5	8	-0.1	-4.4	0.0	27.7	29.2	3.2	0.0	15	12	0.0	12	64
5	2.71	30	3	2	-1.9	1.0	-5.1	4	3	5.0	6.6	8	-0.1	-4.4	0.0	18.4	21.6	2.0	0.0	15	20	0.0	19	117
2.5	0.03	50	5	12	-3.8	0.6	-3.8	7	4	4.9	6.6	8	-0.1	-4.4	0.0	27.7	29.2	3.2	0.0	15	12	0.0	12	50
6	0.00	3	1	18	-3.0	0.4	-3.2	13	8	4.3	4.2	2	0.3	-2.5	0.0	16.8	16.8	1.7	0.0	16	12	0.0	12	53
6	2.71	30	3	18	0.7	0.3	-2.9	2	2	4.2	4.3	2	0.3	-2.5	0.0	12.3	12.3	1.1	0.0	16	20	0.0	19	133
2.5	0.05	30	5	2	3.0	0.6	-4.4	13	8	4.2	4.3	2	0.3	-2.5	0.0	16.8	16.8	1.7	0.0	16	12	0.0	12	45
7	0.00	2	1	18	7.6	3.6	-8.4	19	13	4.9	6.6	18	-3.7	5.0	0.0	28.1	29.6	3.2	0.0	29	14	0.0	12	50
7	2.71	30	3	1	1.1	-3.3	-12.6	7	6	5.1	6.4	1	-4.8	-0.8	0.0	18.4	21.6	2.0	0.0	19	26	0.0	19	131
2.5	0.04	50	5	1	1.9	-7.7	-12.2	21	14	4.2	7.4	18	-3.7	5.0	0.0	28.1	29.6	3.2	0.0	29	14	0.0	12	50
8	0.00	3	1	23	2.4	0.6	-3.7	11	7	4.2	4.3	27	0.5	-1.7	0.0	17.0	17.0	1.7	0.0	13	8	0.0	12	53
8	2.71	30	3	23	0.6	0.4	-3.5	2	2	4.2	4.3	27	-0.1	2.0	0.0	12.3	12.3	1.1	0.0	12	16	0.0	19	133
2.5	0.05	30	5	27	2.1	0.8	-5.3	9	7	4.2	4.3	27	0.5	-1.7	0.0	17.0	17.0	1.7	0.0	13	8	0.0	12	45

STAMPA PROGETTO S.L.V. - E.C. - PILASTRI

Filo Iniz. Fin. Ctg	Quota Iniz. Finale N/Nc	Traz. Bas. Alt.	Sez. Bas. Alt.	Co. No.	VERIFICA A PRESSO-FLESSIONE								VERIFICA A TAGLIO E TORSIONE											
					Co. Nr	M Exd (kN*10)*m	N Ed (kN*10)	x/d	sf% 100	sc% 100	Area cmq b	cmq h	Co. Nr	V Exd (kN*10)	V Eyd (kN*10)	T Sdu (kN10m)	V Rxd (kN*10)	V Ryd (kN*10)	TRd (kN*)	TRld (0)*m	Coe Cls	Coe Sta	ALon cmq	staffe Pass Lun
9	0.00	2	1	7	-3.0	-1.4	-5.2	6	5	5.2	6.3	17	-0.2	3.2	0.0	27.7	29.2	3.2	0.0	11	9	0.0	12	72
9	2.71	30	3	7	-1.0	-0.9	-4.9	2	2	5.4	6.2	17	-0.2	3.2	0.0	18.4	21.6	2.0	0.0	11	14	0.0	19	109
2.5	0.03	50	5	17	-3.4	-0.5	-1.8	6	3	5.6	5.9	17	-0.2	3.2	0.0	27.7	29.2	3.2	0.0	11	9	0.0	12	50
10	0.00	2	1	33	3.4	-2.6	-3.3	11	7	5.6	5.9	33	1.7	2.6	0.0	27.4	28.9	3.2	0.0	14	7	0.0	12	50
10	2.71	30	3	33	1.0	-1.0	-3.0	3	3	5.0	6.5	28	-2.5	-0.6	0.0	18.4	21.6	2.0	0.0	11	13	0.0	19	131
2.5	0.03	50	5	21	2.1	-2.1	-4.2	7	5	5.0	6.5	33	1.7	2.6	0.0	27.4	28.9	3.2	0.0	14	7	0.0	12	50
11	0.00	3	1	24	-2.6	-0.6	-1.6	13	8	4.2	4.3	24	0.5	-1.9	0.0	16.4	16.4	1.7	0.0	14	9	0.0	12	45
11	2.71	30	3	24	-0.8	-0.1	-1.4	4	2	4.3	4.2	28	0.0	2.0	0.0	12.3	12.3	1.1	0.0	12	15	0.0	19	141
2.5	0.04	30	5	24	1.8	0.6	-1.1	9	6	4.3	4.2	24	0.5	-1.9	0.0	16.4	16.4	1.7	0.0	14	9	0.0	12	45
12	0.00	3	1	12	2.1	-2.7	-10.1	14	12	4.2	4.3	10	2.5	1.4	0.0	18.1	18.1	1.7	0.0	21	12	0.0	12	45
12	2.71	30	3	1	0.9	1.8	-23.1	2	16	4.2	4.3	14	2.8	0.4	0.0	12.3	12.3	1.1	0.0	17	22	0.0	19	141
2.5	0.12	30	5	1	1.4	4.2	-22.8	13	15	4.2	4.3	10	2.5	1.4	0.0	18.1	18.1	1.7	0.0	21	12	0.0	12	45

STAMPA PROGETTO S.L.D. - E.C. - FONDAZIONE

Filo Iniz. Fin. Ctg	Quota Iniz. Finale N/Nc	Traz. Bas. Alt.	Sez. Bas. Alt.	Co. No.	VERIFICA A PRESSO-FLESSIONE								VERIFICA A TAGLIO E TORSIONE												
					Co. Nr	Alfa	M Exd (kN10m)	N Ed (kN*10)	x/d	sf% 100	sc% 100	Area cmq inf	Co. Nr	V Exd (kN*10)	V Eyd (kN*10)	T Sdu (kN10m)	V Rxd (kN*10)	V Ryd (kN*10)	TRd (kN*10)	TRld (kN10m)	Coe Cls	Coe Sta	ALon cmq	staffe Pass Lun	
3	0.00	11	1	8	1.00	4.6	0.0	19	5	1	5.9	5.9	22	0.0	6.7	0.0	23.0	44.5	20.3	0.0	7	15	0.0	16	60
12	0.00	40	3	8	1.00	7.5	0.0	19	9	2	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
2.5	0.00	74	5	8	1.00	7.5	0.0	19	9	2	5.9	5.9	6	0.0	7.1	0.0	23.0	44.5	20.3	0.0	8	16	0.0	16	60
12	0.00	11	1	8	1.00	7.2	0.0	19	8	2	5.9	5.9	6	0.0	-3.8	0.0	23.0	44.5	20.3	0.0	4	8	0.0	16	70
1	0.00	40	3	8	1.00	7.2	0.0	19	8	2	5.9	5.9	2	0.0	-3.2	0.0	23.0	44.5	20.3	0.0	4	7	0.0	16	0
2.5	0.00	74	5	8	1.00	3.0	0.0	19	3	1	5.9	5.9	2	0.0	-2.8	0.0	23.0	44.5	20.3	0.0	3	6	0.0	16	132
1	0.00	11	1	8	1.00	0.7	0.0	18	1	0	5.9	5.9	2	0.0	-2.5	0.0	23.0	44.5	20.3	0.0	3	5	0.0	16	70
7	0.00	40	3	8	1.00	-3.6	0.0	19	3	1	5.9	5.9	2	0.0	-1.9	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	232
2.5	0.00	74	5	8	1.00	-3.6	0.0	19	3	1	5.9	5.9	2	0.0	0.5	0.0	23.0	44.5	20.3	0.0	1	1	0.0	16	70
11	0.00	11	1	17	1.00	-0.7	0.0	19	1	0	5.9	5.9	15	0.0	1.3	0.0	23.0	44.5	20.3	0.0	1	3	0.0	16	70
10	0.00	40	3	17	1.00	1.2	0.0	19	1	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
2.5	0.00	74	5	17	1.00	1.2	0.0	19	1	0	5.9	5.9	10	0.0	1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
10	0.00	11	1	5	1.00	1.7	0.0	19	2	0	5.9	5.9	3	0.0	-1.0	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
9	0.00	40	3	23	1.00	2.3	0.0	19	3	1	5.9	5.9	14	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	10
2.5	0.00	74	5	23	1.00	2.3	0.0	19	3	1	5.9	5.9	10	0.0	1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
9	0.00	11	1	7	1.00	2.6	0.0	19	3	1	5.9	5.9	3	0.0	-3.6	0.0	23.0	44.5	20.3	0.0	4	8	0.0	16	70
18	0.00	40	3	7	1.00	2.6	0.0	19	3	1	5.9	5.9	3	0.0	-2.3	0.0	23.0	44.5	20.3	0.0	3	5	0.0	16	17
2.5	0.00	74	5	18	1.00	-1.4	0.0	19	1	0	5.9	5.9	2	0.0	-1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
18	0.00	11	1	18	1.00	-1.4	0.0	19	1	0	5.9	5.9	2	0.0	0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	57
8	0.00	40	3	18	1.00	-1.4	0.0	19	1	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
2.5	0.00	74	5	5	1.00	-1.1	0.0	19	1	0	5.9	5.9	26	0.0	2.7	0.0	23.0	44.5	20.3	0.0	3	6	0.0	16	57
8	0.00	11	1	21	1.00	-1.8	0.0	19	1	0	5.9	5.9	2	0.0	-3.1	0.0	23.0	44.5	20.3	0.0	4	7	0.0	16	64
17	0.00	40	3	5	1.00	-2.1	0.0	19	2	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
2.5	0.00	74	5	5	1.00	-2.1	0.0	19	2	0	5.9	5.9	5	0.0	-1.3	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	64
17	0.00	11	1	5	1.00	-2																			

13	0.00	11	1	33	1.00	-0.7	0.0	19	1	0	5.9	5.9	22	0.0	-1.4	0.0	23.0	44.5	20.3	0.0	2	3	0.0	16	69
4	0.00	40	3	28	1.00	1.2	0.0	19	1	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
2.5		74	5	28	1.00	1.2	0.0	19	1	0	5.9	5.9	10	0.0	1.9	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	69
4	0.00	11	1	23	1.00	-1.3	0.0	19	1	0	5.9	5.9	22	0.0	-2.4	0.0	23.0	44.5	20.3	0.0	3	5	0.0	16	70
14	0.00	40	3	24	1.00	-1.5	0.0	19	1	0	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
2.5		74	5	24	1.00	-1.5	0.0	19	1	0	5.9	5.9	2	0.0	-0.9	0.0	23.0	44.5	20.3	0.0	1	2	0.0	16	70
14	0.00	11	1	24	1.00	-1.5	0.0	19	1	0	5.9	5.9	10	0.0	1.8	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	58
5	0.00	40	3	12	1.00	2.2	0.0	19	2	1	5.9	5.9	0	0.0	0.0	0.0	23.0	44.5	20.3	0.0	0	0	0.0	16	0
2.5		74	5	12	1.00	2.2	0.0	19	2	1	5.9	5.9	14	0.0	3.2	0.0	23.0	44.5	20.3	0.0	4	7	0.0	16	58
5	0.00	11	1	2	1.00	2.3	0.0	19	3	1	5.9	5.9	8	0.0	-3.6	0.0	23.0	44.5	20.3	0.0	4	8	0.0	16	70
15	0.00	40	3	2	1.00	2.3	0.0	19	3	1	5.9	5.9	2	0.0	-2.0	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	6
2.5		74	5	30	1.00	-1.7	0.0	19	1	0	5.9	5.9	2	0.0	-2.0	0.0	23.0	44.5	20.3	0.0	2	4	0.0	16	70
3	0.00	1	1	28	1.00	2.6	0.0	17	3	1	5.9	5.9	10	0.0	-5.0	0.0	23.0	44.5	15.4	0.0	5	11	0.0	16	70
11	0.00	40	3	12	1.00	-3.3	0.0	17	3	1	5.9	5.9	10	0.0	-3.4	0.0	23.0	44.5	15.4	0.0	4	7	0.0	16	220
2.5		74	5	12	1.00	-2.9	0.0	17	3	1	5.9	5.9	10	0.0	3.6	0.0	23.0	44.5	15.4	0.0	4	8	0.0	16	70
12	0.00	1	1	17	1.00	-2.0	0.0	17	2	1	5.9	5.9	26	0.0	-3.2	0.0	23.0	44.5	15.4	0.0	4	7	0.0	16	70
10	0.00	40	3	21	1.00	-2.8	0.0	17	3	1	5.9	5.9	2	0.0	-1.8	0.0	23.0	44.5	15.4	0.0	2	4	0.0	16	219
2.5		74	5	21	1.00	-2.7	0.0	17	3	1	5.9	5.9	10	0.0	2.2	0.0	23.0	44.5	15.4	0.0	3	5	0.0	16	70

### STAMPA PROGETTO S.L.D. - E.C. - ELEVAZIONE

Filo Iniz Fin. Ctgè	Quota Iniz Finale	T ra a t	Sez Bas Alt	Co nc io	VERIFICA A PRESSO-FLESSIONE										VERIFICA A TAGLIO E TORSIONE											
					Co Nr	M (kN*10)	Eyd *m	N Ed kN*10	x/ d	sf% 100	sc% 100	Area sup	cmq inf	Co Nr	V Exd kN*10	V Eyd kN*10	T Sdu kN10m	V Rxd kN*10	V Ryd kN*10	TRd (kN* 10)	TRld *m	Coe Cls	Coe Sta	ALon cmq	staffe Pass	Lun
3	2.71	4	1	14	-1.9	0.0	0.0	19	7	2	4.0	4.0	2	0.0	-2.9	0.0	29.0	40.0	9.1	0.0	6	7	0.0	9	40	
12	2.71	30	3	2	-3.8	0.0	0.0	21	11	3	5.1	4.5	2	0.0	-3.8	0.0	13.1	18.0	4.1	0.0	9	21	0.0	20	40	
2.5		40	5	2	-4.1	0.0	0.0	21	11	3	5.3	4.5	2	0.0	-4.8	0.0	29.0	40.0	9.1	0.0	11	12	0.0	9	40	
12	2.71	4	1	12	-6.4	0.0	0.0	27	10	4	8.9	5.0	2	0.0	7.3	0.0	29.0	40.0	9.1	0.0	17	18	0.0	9	40	
1	2.71	30	3	12	-3.5	0.0	0.0	21	10	3	5.0	4.5	10	0.0	6.4	0.0	13.1	18.0	4.1	0.0	15	35	0.0	20	123	
2.5		40	5	8	3.3	0.0	0.0	21	10	3	4.5	5.0	10	0.0	2.9	0.0	29.0	40.0	9.1	0.0	7	7	0.0	9	40	
1	2.71	4	1	30	3.9	0.0	0.0	21	10	3	4.5	5.4	10	0.0	2.0	0.0	41.0	42.4	4.6	0.0	4	4	0.0	9	40	
7	2.71	30	3	2	4.3	0.0	0.0	22	11	4	4.5	5.6	2	0.0	-5.4	0.0	13.1	18.0	4.1	0.0	13	30	0.0	20	293	
2.5		40	5	8	-5.4	0.0	0.0	25	10	4	7.6	5.0	6	0.0	-6.4	0.0	29.0	40.0	9.1	0.0	15	16	0.0	9	40	
11	2.71	4	1	17	-0.6	0.0	0.0	19	2	1	4.0	4.0	15	0.0	1.9	0.0	41.0	42.4	4.6	0.0	4	4	0.0	9	40	
10	2.71	30	3	17	0.5	0.0	0.0	19	2	0	4.0	4.0	15	0.0	1.1	0.0	13.1	18.0	4.1	0.0	3	6	0.0	20	60	
2.5		40	5	5	-0.5	0.0	0.0	19	2	0	4.0	4.0	3	0.0	-1.6	0.0	29.0	40.0	9.1	0.0	4	4	0.0	9	40	
10	2.71	4	1	17	-1.1	0.0	0.0	19	4	1	4.0	4.0	15	0.0	2.3	0.0	41.0	42.4	4.6	0.0	5	5	0.0	9	40	
9	2.71	30	3	17	-0.7	0.0	0.0	19	2	1	4.0	4.0	17	0.0	1.6	0.0	13.1	18.0	4.1	0.0	4	9	0.0	20	70	
2.5		40	5	5	-1.1	0.0	0.0	19	4	1	4.0	4.0	5	0.0	-2.3	0.0	41.0	42.4	4.6	0.0	5	5	0.0	9	40	
9	2.71	4	1	11	-1.2	0.0	0.0	19	4	1	4.0	4.0	11	0.0	2.3	0.0	41.0	42.4	4.6	0.0	5	5	0.0	9	40	
18	2.71	30	3	11	-0.8	0.0	0.0	19	3	1	4.0	4.0	10	0.0	1.5	0.0	13.1	18.0	4.1	0.0	4	8	0.0	20	78	
2.5		40	5	23	0.7	0.0	0.0	19	2	1	4.0	4.0	7	0.0	-1.2	0.0	41.0	42.4	4.6	0.0	3	2	0.0	9	40	
18	2.71	4	1	30	0.5	0.0	0.0	19	2	0	4.0	4.0	7	0.0	-1.6	0.0	29.0	40.0	9.1	0.0	4	4	0.0	9	40	
8	2.71	30	3	5	-1.7	0.0	0.0	19	6	2	4.0	4.0	3	0.0	-2.0	0.0	13.1	18.0	4.1	0.0	5	11	0.0	20	33	
2.5		40	5	5	-1.8	0.0	0.0	19	6	2	4.0	4.0	2	0.0	-2.4	0.0	29.0	40.0	9.1	0.0	6	6	0.0	9	40	
8	2.71	4	1	18	-2.1	0.0	0.0	19	7	2	4.0	4.0	18	0.0	2.4	0.0	29.0	40.0	9.1	0.0	6	6	0.0	9	40	
17	2.71	30	3	18	-1.9	0.0	0.0	19	7	2	4.0	4.0	26	0.0	2.2	0.0	13.1	18.0	4.1	0.0	5	12	0.0	20	49	
2.5		40	5	11	0.5	0.0	0.0	19	2	0	4.0	4.0	26	0.0	1.7	0.0	29.0	40.0	9.1	0.0	4	4	0.0	9	40	
17	2.71	4	1	27	0.9	0.0	0.0	19	3	1	4.0	4.0	26	0.0	1.4	0.0	41.0	42.4	4.6	0.0	3	3	0.0	9	40	
7	2.71	30	3	27	1.8	0.0	0.0	19	6	2	4.0	4.0	26	0.0	1.2	0.0	13.1	18.0	4.1	0.0	3	6	0.0	20	79	
2.5		40	5	27	1.9	0.0	0.0	19	7	2	4.0	4.0	22	0.0	-0.8	0.0	29.0	40.0	9.1	0.0	2	2	0.0	9	40	
7	2.71	4	1	30	1.9	0.0	0.0	19	7	2	4.0	4.0	18	0.0	1.0	0.0	41.0	42.4	4.6	0.0	2	2	0.0	9	40	
16	2.71	30	3	30	1.8	0.0	0.0	19	6	2	4.0	4.0	30	0.0	-1.3	0.0	13.1	18.0	4.1	0.0	3	7	0.0	20	52	
2.5		40	5	30	0.9	0.0	0.0	19	3	1	4.0	4.0	30	0.0	-1.6	0.0	41.0	42.4	4.6	0.0	4	3	0.0	9	40	
16	2.71	4	1	14	0.5	0.0	0.0	19	2	0	4.0	4.0	30	0.0	-1.8	0.0	41.0	42.4	4.6	0.0	4	4	0.0	9	40	
6	2.71	30	3	30	-1.8	0.0	0.0	19	7	2	4.0	4.0	0	0.0	-2.2	0.0	13.1	18.0	4.1	0.0	5	12	0.0	20	28	
2.5		40	5	30	-1.8	0.0	0.0	19	7	2	4.0	4.0	14	0.0	-2.4	0.0	29.0	40.0	9.1	0.0	6	6	0.0	9	40	
6	2.71	4	1	2	-1.9	0.0	0.0	19	7	2	4.0	4.0	2	0.0	2.8	0.0	41.0	42.4	4.6	0.0	6	6	0.0	9	40	
15	2.71	30	3	2	-1.6	0.0	0.0	19	6	1	4.0	4.0	2	0.0	2.2	0.0	13.1	18.0	4.1	0.0	5	12	0.0	20	45	
2.5		40	5	18	0.6	0.0	0.0	19	2	1	4.0	4.0	2	0.0	1.5	0.0	41.0	42.4	4.6	0.0	3	3	0.0	9	40	
3	2.71	4	1	28	-1.9	0.0	0.0	19	7	2	4.0	4.0	28	0.0	1.8	0.0	41.0	42.4	4.6	0.0	4	4	0.0	9	40	
13	2.71	30	3	28	-1.7	0.0	0.0	19	6	2	4.0	4.0	26	0.0	1.5	0.0	13.1	18.0	4.1	0.0	4	8	0.0	20	51	
2.5		40	5	12	-0.4	0.0	0.0	19	1	0	4.0	4.0	26	0.0	1.2	0.0	29.0	40.0	9.1	0.0	3	3	0.0	9	40	
13	2.71	4	1	19	0.3	0.0	0.0	19	1	0	4.0	4.0	21	0.0	0.9	0.0	41.0	42.4	4.6	0.0	2	2	0.0	9	40	
4	2.71	30	3	24	-0.9	0.0	0.0	19	3	1	4.0	4.0	24	0.0												



			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	1.7	5	1	0.4	0.0	0.0
4	0.00		Rara											Rara cls	120.0	4.6	4	1	-1.2	0.0	0.0
14	0.00		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	195	4	1	-1.2	0.0	0.0
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	3.2	4	1	-0.9	0.0	0.0
14	0.00		Rara											Rara cls	120.0	5.7	5	1	1.2	0.0	0.0
5	0.00		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	217	5	1	1.2	0.0	0.0
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	5.0	5	1	1.1	0.0	0.0
5	0.00		Rara											Rara cls	120.0	5.5	1	1	1.2	0.0	0.0
15	0.00		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	212	1	1	1.2	0.0	0.0
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	5.1	1	1	1.1	0.0	0.0
3	0.00		Rara											Rara cls	120.0	16.5	1	1	3.2	0.0	0.0
11	0.00		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	805	1	1	3.2	0.0	0.0
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	13.3	3	1	-2.6	0.0	0.0
12	0.00		Rara											Rara cls	120.0	14.3	3	1	-2.8	0.0	0.0
10	0.00		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0				Rara fer	3600	694	3	1	-2.8	0.0	0.0
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0				Perm cls	90.0	12.1	3	1	-2.4	0.0	0.0

**STAMPA VERIFICHE S.L.E. - E.C. - ELEVAZIONE**

			FESSURAZIONE								FRECCHE		TENSIONI								
Filo N.ro	Quota (m)	Tra N.ro	Combi Caric	Fessu. mm lim	dist cal	Con mm	Com bin	Mf X (kN*10)*m	Mf Y (kN*10)*m	N kN*10	Frecc limite	mm calc	Com bin	Combinaz Carico	σ lim. -- daN/cm <sup>2</sup>	σ cal. -- cm <sup>2</sup>	Co nc	Comb	Mf X (kN*10)*m	Mf Y (kN*10)*m	N kN*10
3	2.71		Rara											Rara cls	150.0	81.2	5	1	-4.7	0.0	0.0
12	2.71		Freq 0.3	0.121	217	5	1	-3.9	0.0	0.0				Rara fer	2660	2336	5	1	-4.7	0.0	0.0
			Perm 0.2	0.141	217	5	1	-3.8	0.0	0.0				Perm cls	112.0	66.7	5	1	-3.8	0.0	0.0
12	2.71		Rara											Rara cls	150.0	107.0	1	1	-7.4	0.0	0.0
1	2.71		Freq 0.3	0.110	168	1	1	-6.2	0.0	0.0				Rara fer	2660	2249	1	1	-7.4	0.0	0.0
			Perm 0.2	0.119	168	1	1	-6.0	0.0	0.0				Perm cls	112.0	88.7	1	1	-6.0	0.0	0.0
1	2.71		Rara											Rara cls	150.0	94.5	5	1	-6.1	0.0	0.0
7	2.71		Freq 0.3	0.136	217	2	1	4.2	0.0	0.0				Rara fer	2660	2497	2	1	5.0	0.0	0.0
			Perm 0.2	0.156	217	2	1	4.1	0.0	0.0				Perm cls	112.0	78.8	5	1	-5.0	0.0	0.0
11	2.71		Rara											Rara cls	150.0	8.9	3	1	0.4	0.0	0.0
10	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	292	3	1	0.4	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	7.1	3	1	0.3	0.0	0.0
10	2.71		Rara											Rara cls	150.0	12.4	5	1	-0.6	0.0	0.0
9	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	406	5	1	-0.6	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	9.8	1	1	-0.4	0.0	0.0
9	2.71		Rara											Rara cls	150.0	18.1	1	1	-0.8	0.0	0.0
18	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	598	1	1	-0.8	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	13.5	1	1	-0.6	0.0	0.0
18	2.71		Rara											Rara cls	150.0	37.4	5	1	-1.7	0.0	0.0
8	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	1251	5	1	-1.7	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	30.8	5	1	-1.4	0.0	0.0
8	2.71		Rara											Rara cls	150.0	39.8	1	1	-1.8	0.0	0.0
17	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	1334	1	1	-1.8	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	27.9	1	1	-1.3	0.0	0.0
17	2.71		Rara											Rara cls	150.0	26.0	4	1	1.2	0.0	0.0
7	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	860	4	1	1.2	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	19.1	4	1	0.9	0.0	0.0
7	2.71		Rara											Rara cls	150.0	17.2	2	1	0.8	0.0	0.0
16	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	567	2	1	0.8	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	14.4	2	1	0.6	0.0	0.0
16	2.71		Rara											Rara cls	150.0	25.8	5	1	-1.2	0.0	0.0
6	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	857	5	1	-1.2	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	21.9	5	1	-1.0	0.0	0.0
6	2.71		Rara											Rara cls	150.0	29.9	1	1	-1.3	0.0	0.0
15	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	994	1	1	-1.3	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	26.1	1	1	-1.2	0.0	0.0
3	2.71		Rara											Rara cls	150.0	28.1	1	1	-1.3	0.0	0.0
13	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	931	1	1	-1.3	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	20.4	1	1	-0.9	0.0	0.0
13	2.71		Rara											Rara cls	150.0	12.0	5	1	-0.5	0.0	0.0
4	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	395	5	1	-0.5	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	6.3	5	1	-0.3	0.0	0.0
4	2.71		Rara											Rara cls	150.0	19.3	1	1	-0.9	0.0	0.0
14	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	636	1	1	-0.9	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	15.1	1	1	-0.7	0.0	0.0
14	2.71		Rara											Rara cls	150.0	25.8	5	1	-1.2	0.0	0.0
5	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	855	5	1	-1.2	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	21.2	5	1	-0.9	0.0	0.0
5	2.71		Rara											Rara cls	150.0	26.2	1	1	-1.2	0.0	0.0
15	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	869	1	1	-1.2	0.0	0.0
			Perm 0.2	0.000	0	0	0	0.0	0.0	0.0				Perm cls	112.0	19.9	1	1	-0.9	0.0	0.0
3	2.71		Rara											Rara cls	150.0	35.3	1	1	-1.6	0.0	0.0
11	2.71		Freq 0.3	0.000	0	0	0	0.0	0.0	0.0				Rara fer	2660	1179	1	1	-1.6	0.0	0.0
			Perm 0.2	0.000	0	0	0														

STAMPA VERIFICHE S.L.E. - E.C. - PILASTRI

			FESSURAZIONE							FRECCHE			TENSIONI									
Filo N.ro	Quota (m)	Tra N.ro	Combi Caric	Fessu. mm lim	dist cal	Con mm	Com cio	Com bin	Mf X (kN*10)*m	Mf Y *m	N kN*10	Frecc mm limite	Com calc	Com bin	Combinaz Carico	σ lim. -- daN/cm <sup>2</sup>	σ cal. --	Co nc	Comb	Mf X (kN*10)*m	Mf Y *m	N kN*10
3	0.00		Rara												Rara cls	150.0	22.5	5	1	1.7	-0.1	-3.9
3	2.71		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	293	5	1	1.7	-0.1	-3.9
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	21.3	5	1	1.4	0.2	-2.3
4	0.00		Rara												Rara cls	150.0	19.9	1	1	-0.4	0.3	-3.3
4	2.71		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	131	1	1	-0.4	0.3	-3.3
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	19.6	1	1	-0.4	0.2	-2.6

STAMPA VERIFICHE S.L.E. - E.C. - PILASTRI

			FESSURAZIONE							FRECCHE			TENSIONI									
Filo N.ro	Quota (m)	Tra N.ro	Combi Caric	Fessu. mm lim	dist cal	Con mm	Com cio	Com bin	Mf X (kN*10)*m	Mf Y *m	N kN*10	Frecc mm limite	Com calc	Com bin	Combinaz Carico	σ lim. -- daN/cm <sup>2</sup>	σ cal. --	Co nc	Comb	Mf X (kN*10)*m	Mf Y *m	N kN*10
5	0.00		Rara												Rara cls	150.0	11.0	1	1	0.0	0.5	-5.4
5	2.71		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	75	1	1	0.0	0.5	-5.4
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	9.1	1	1	0.1	0.4	-4.4
6	0.00		Rara												Rara cls	150.0	18.3	1	1	0.2	0.4	-4.7
6	2.71		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	126	1	1	0.2	0.4	-4.7
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	16.3	1	1	0.2	0.3	-4.0
7	0.00		Rara												Rara cls	150.0	121.0	1	1	1.2	-5.3	-8.6
7	2.71		Freq 0.4	0.205	381	1	1	0.9	-4.5	-7.0					Rara fer	3600	2228	1	1	1.2	-5.3	-8.6
			Perm 0.3	0.199	381	1	1	0.8	-4.3	-6.7					Perm cls	112.0	100.0	1	1	0.8	-4.3	-6.7
8	0.00		Rara												Rara cls	150.0	18.2	1	1	0.1	0.5	-5.4
8	2.71		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	126	1	1	0.1	0.5	-5.4
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	16.6	1	1	-0.1	0.4	-4.3
9	0.00		Rara												Rara cls	150.0	9.5	1	1	-0.4	-0.3	-4.2
9	2.71		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	68	1	1	-0.4	-0.3	-4.2
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	8.4	5	1	0.1	-0.4	-4.2
10	0.00		Rara												Rara cls	150.0	28.7	1	1	-0.2	-1.2	-5.5
10	2.71		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	338	1	1	-0.2	-1.2	-5.5
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	10.9	1	1	-0.3	-0.4	-3.3
11	0.00		Rara												Rara cls	150.0	26.8	1	1	-0.5	0.3	-3.4
11	2.71		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	207	1	1	-0.5	0.3	-3.4
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	16.3	1	1	-0.2	0.3	-2.2
12	0.00		Rara												Rara cls	150.0	100.1	1	1	0.6	2.6	-16.1
12	2.71		Freq 0.4	0.000	0	0	0	0.0	0.0	0.0					Rara fer	3600	865	1	1	0.6	2.6	-16.1
			Perm 0.3	0.000	0	0	0	0.0	0.0	0.0					Perm cls	112.0	67.8	1	1	0.0	2.1	-11.8

VERIFICHE NODI NON CONFINATI

I D E N T I F I C A T I V O				G E O M E T R I A P I L A S T R O			M A T E R I A L E		D I R E Z . X l o c a l e		D I R E Z . Y l o c a l e	
Filo N.ro	Quota (m)	Nodo3d N.ro	Posiz. Pilast	Sez. N.ro	Rotaz Grd	HNodo (cm)	Rck kg/cm <sup>2</sup>	fy kg/cm <sup>2</sup>	LyUtil (cm)	AfX cmq	LxUtil (cm)	AfY cmq
3	0.00	1	SUP.	2	117	74	300	4500	60	14.8	60	14.8
12	0.00	2	SUP.	3	27	74	300	4500			40	10.0
7	0.00	4	SUP.	2	26	74	300	4500	60	14.8	60	14.8
11	0.00	5	SUP.	3	27	74	300	4500	60	14.8	40	10.0
10	0.00	6	SUP.	2	117	74	300	4500	49	12.2		
9	0.00	7	SUP.	2	117	74	300	4500	29	7.2		
8	0.00	9	SUP.	3	252	74	300	4500	19	4.7	57	14.0
6	0.00	12	SUP.	3	162	74	300	4500	19	4.7	57	14.0
4	0.00	15	SUP.	3	71	74	300	4500	19	4.7	57	14.1
5	0.00	17	SUP.	2	116	74	300	4500	29	7.2	60	14.8
3	2.71	18	INF.	2	117	40	300	4500	49	6.6		7.3
4	2.71	19	INF.	3	71	40	300	4500	19	2.5	38	5.1
5	2.71	20	INF.	2	116	40	300	4500	29	3.9	54	7.3
6	2.71	21	INF.	3	162	40	300	4500	19	2.5	38	5.0
7	2.71	22	INF.	2	26	40	300	4500	54	7.3	49	6.5
8	2.71	23	INF.	3	252	40	300	4500	19	2.5	38	5.0
9	2.71	24	INF.	2	117	40	300	4500	29	3.9		
10	2.71	25	INF.	2	117	40	300	4500	49	6.6		
11	2.71	26	INF.	3	27	40	300	4500	40	5.4	40	5.4
12	2.71	27	INF.	3	27	40	300	4500			40	5.4

VERIFICHE DI DUTTILITA' ASTE IN C.A. - TRAVI ELEVAZIONE

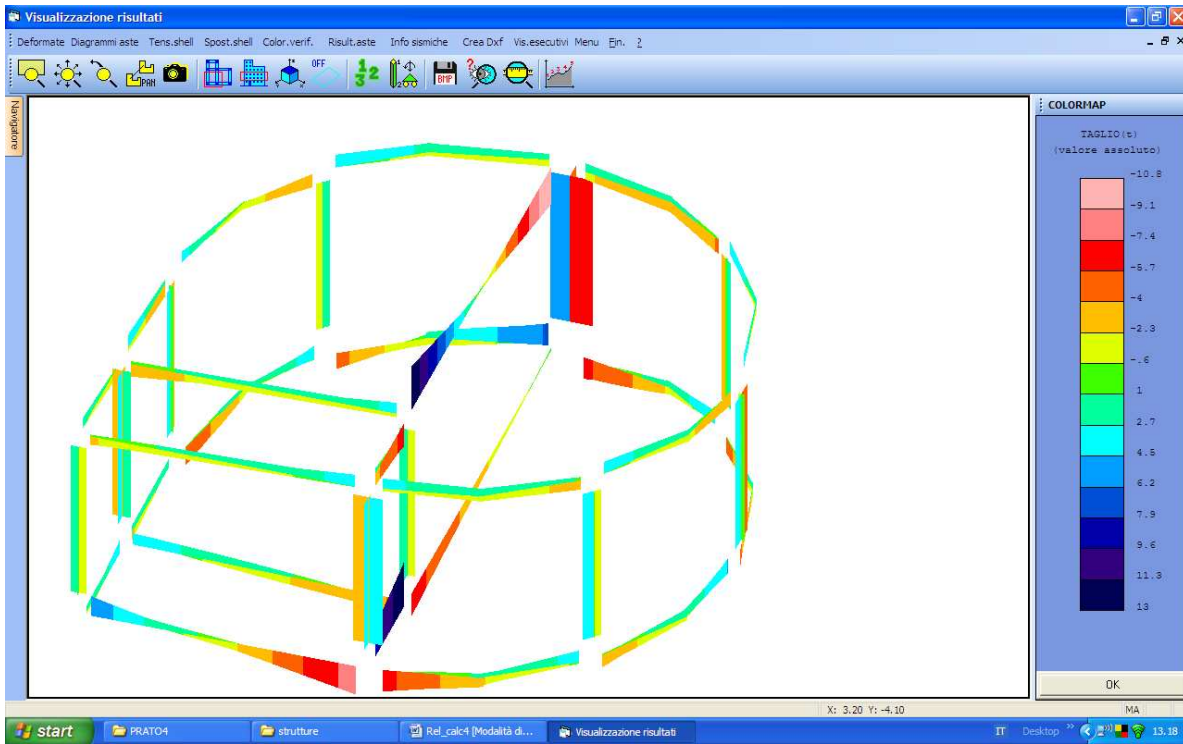
Filo Iniz. Fin. N.ro	Quota Iniz. Final (m)	Tr at Nr	Sez Bas Alt cm	CARICHI		MOMENTI RESISTENTI				TAGLIO DI PROGETTO		VERIFICA A TAGLIO			
				g (kN*10)/m	g+s*q (kN*10)/m	Co nc	Mru+ kN*10/m	x/d	Mru- kN*10/m	x/d	Vmax kN*10	Vmin kN*10	VRcd kN*10	VRsd kN*10	Staffe Pass Lun
3	2.71	4	2.33	2.38	i	5.26	0.14	-5.26	0.14	10.18	-7.35	22.37	35.00	9	40
12	2.71	30			c					9.23	-9.23	22.37	15.75	20	40
		40			f	5.26	0.14	-5.26	0.14	7.35	-10.18	22.37	35.00	9	40
12	2.71	4	2.67	2.73	i	5.23	0.12	-12.65	0.22	11.59	-2.47	22.37	35.00	9	40
1	2.71	30			c					10.50	-6.85	22.37	15.75	20	123
		40			f	5.26	0.14	-5.26	0.14	6.12	-7.94	22.37	35.00	9	40
1	2.71	4	2.13	2.18	i	5.26	0.14	-5.26	0.14	6.88	-0.18	22.37	35.00	9	40







## DIAGRAMMA DEL TAGLIO - INVILUPPO



## DIAGRAMMA DELL SFORZO NORMALE - INVILUPPO

