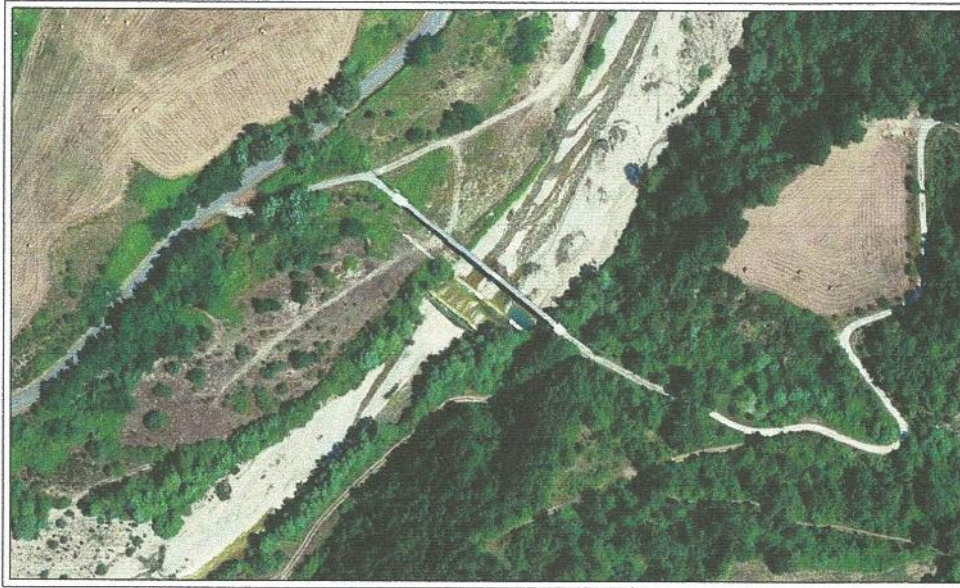


Comune di Ruoti

Provincia di Potenza



PROGETTO ESECUTIVO

Lavori per il ripristino della Passerella " AVRIOLA"

Progettista: Prof. Ing. Armando Alb-Marin



Collaboratore: ing. Michelangelo Venditto

FACICOLO DEI CALCOLI	ELABORATO N°
	9
REDAZIONE Luglio 2019	

IL SINDACO :
Dott. Anna Scalise

IL RESPONSABILE DEL PROCEDIMENTO :
ing. Rosario Famularo

PARAMETRI SISMICI		CARICHI AGENTI SUL SOLAIO DI SOPPALCO	
Zona Sismica	Zona 1	- p.p. soletta sp. 20 cm	= 500 kg/mq.
Vita Nominale	Vn = 50	- Carichi permanenti	= 300 kg/mq.
Categoria Topografica	T1	- Carichi variabili	= 600 kg/mq.
Categoria Sottosuolo	B		
Classe d' uso della costruzione	Classe II Cu = 1,00		
Coefficiente di duttilità	Bassa duttilità		
Altezza sul Livello del mare			
Norme di Riferimento per Carichi e Sovraccarichi		D.M. 17/01/2018	
Norme di Riferimento per il Calcolo		D.M. 17/01/2018	
<p>- Getti in opera (collaborante o di solidarizzazione) a carico del Comm.te /Acquirente - Impiegare: cls semifluido, consistenza S4, classe di esposizione XC2 , granulometria max inerte 12 mm, resistenza min. C25/30 - Rck 30 N/mm N.B.: sottoporre all'ufficio tecnico della INCA S.p.A. il progetto delle fondazioni prima della loro realizzazione</p>			
RESISTENZA AL FUOCO DELLE STRUTTURE PREFABBRICATE R__ (NTC 2018)			
RICOSTRUZIONE DI UNA PASSERELLA PEDONALE CON TRAVI IN C.A.P. CANTIERE: RUOTI (PZ)			
Committente :			
AMMINISTRAZIONE COMUNALE DI RUOTI (PZ)			
PROGETTO ESECUTIVO DELLE STRUTTURE PREFABBRICATE			
		Allegato n.:	
		TAV. 9	
		Scala 1:___	
		Data:	
		Aggiornamenti:	
		0*	Luglio 2019
		1*	
Oggetto :		Calcolo strutture prefabbricate	
FASCICOLO DEI CALCOLI FASCICOLO DEI CALCOLI TIPO			
<p><small>Questo grafico è di nostra proprietà riservata a termini di legge e ne è vietata la riproduzione, anche parziale, senza la nostra preventiva autorizzazione scritta</small></p>			
<p><small>Gli elaborati tecnici che accompagnano le forniture dei manufatti, devono essere preventivamente esaminati ed approvati dal progettista/ti del Committente, al quale competono le responsabilità previste dalla legge 1086 del 5-11-71 (art.3/9).</small></p>			
Il Progettista Architettonico		Il Direttore dei Lavori	
		Il Collaudatore	

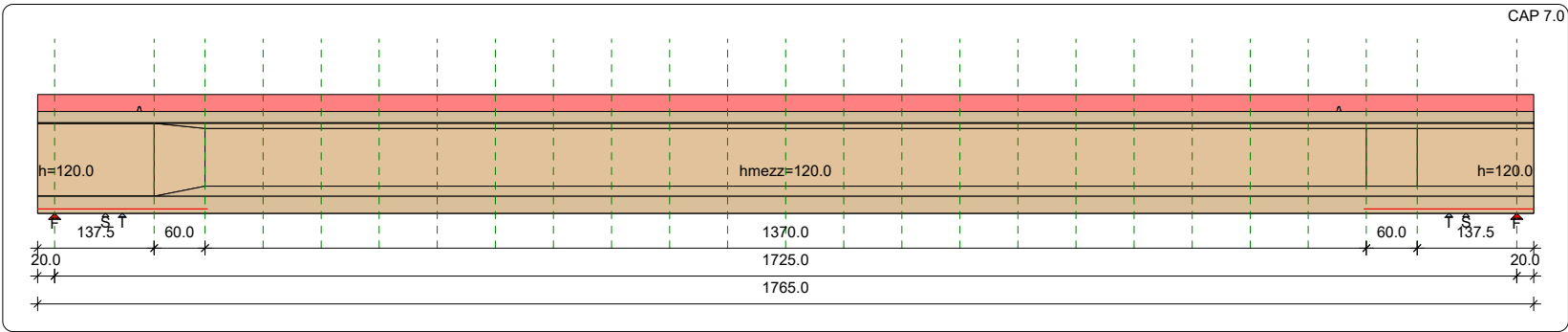
Caratteristiche dei materiali					
CALCESTRUZZO			ACCIAIO ARMONICO		
Rck finale cls trave	(daN/cm²)	550.00	Tiro iniziale	(daN/cm²)	14250.00
Rck iniziale cls trave	(daN/cm²)	500.00	Tens ammissib	(daN/cm²)	13000.00
Rck cls caldana	(daN/cm²)	300.00	Modulo elastico	(daN/cm²)	2000000.00
Coefficiente di ritiro		0.00030	% Tens al taglio trefoli		99.0
Coefficiente di viscosità		2.30	% Rilass ad α dei trefoli		4.6
Coeff omogeneiz trefoli		1	% Rilass ad α min trefoli		4.0
Coeff omogeneiz soletta		0.86	Lungh aderenza trefoli	(cm)	107.0
% ritiro al taglio trefoli		25			
			Tens acciaio ordinario	(daN/cm²)	3826.09
			Lungh aderenza acc	(cm)	50.0

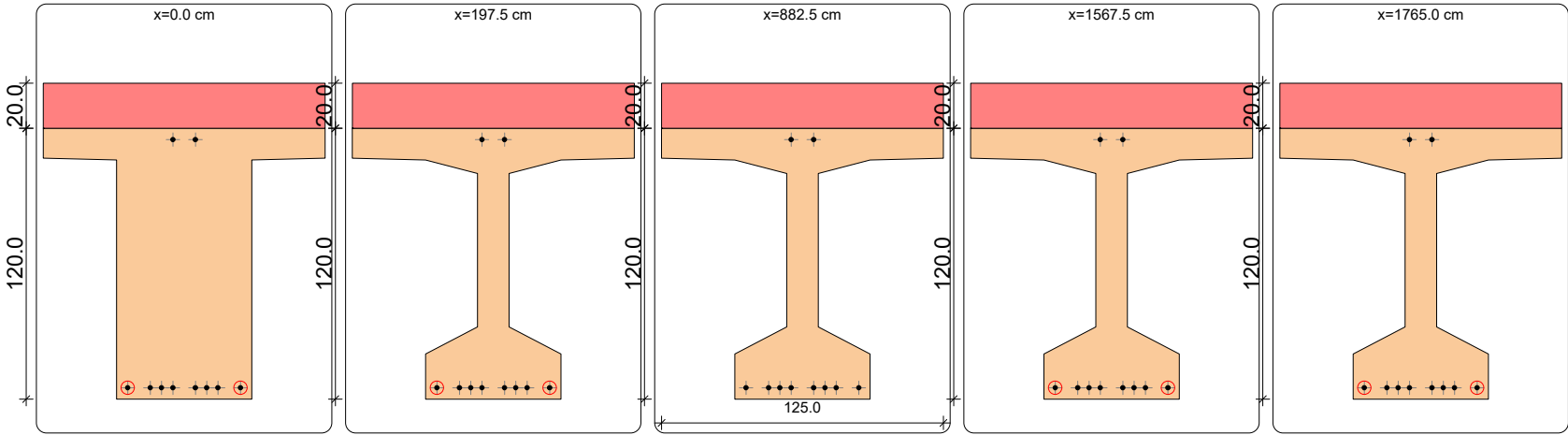
Valori limite e coefficienti normativi					
Tensioni massime nel cls al taglio trefoli			Caratteristiche ambiente		Ordinario
Massima compressione	(daN/cm²)	249.00	Amp max fessure SLE QP	(cm)	0.02
Tensioni agli SLE Quasi permanenti e Frequenti			Amp max fessure SLE FR	(cm)	0.03
Massima compressione	(daN/cm²)	205.42	Deformazioni limite a rottura		
Tensioni agli SLE Rara			Calcestruzzo		0.0035
Massima compressione	(daN/cm²)	273.90	Acciaio armonico		0.0100
			Acciaio ordinario		0.0100

Dati di input					
DATI GENERALI					
Lunghezza totale della trave		(cm)	1765.0		
Lunghezza teorica di calcolo della trave		(cm)	1725.0		
Lunghezza sbalzi alle estremità trave	sx	(cm)	20.0	dx	(cm) 20.0
Numero tratti di suddivisione per il calcolo	sx		10	dx	10
Lunghezza del ringrosso di testata	sx	(cm)	137.5	dx	(cm) 137.5
Numero tratti di suddivisione per il calcolo	sx		1	dx	1
Larghezza del ringrosso di testata	sx	(cm)	0.0	dx	(cm) 0.0
Lunghezza della rastremazione	sx	(cm)	60.0	dx	(cm) 60.0
Numero tratti di suddivisione per il calcolo	sx		1	dx	1
Larghezza soletta collaborante		(cm)	125.0		
Altezza soletta nella testata della trave	sx	(cm)	20.0	dx	(cm) 20.0
Altezza soletta in mezzeria della trave		(cm)	20.0		
Incremento carichi per sisma verticale			SI		
1° periodo di vibrazione della trave		(sec)	0.13		
Coeff riduz carichi variab per sisma verticale			0.80		
Coeff di intensità sisma verticale		in luce	+/-0.025	su sbalzo	+/-0.025
Metodo di calcolo			Stati limite		
Criterio di calcolo			Precompressione totale		

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE (nn=n. vertice; coordinate [x;y] nelle sezioni X=0, X=L/2, X=L)										
Contorno 1 - Pieno										
1	[77.5;100.0]	[77.5;100.0]	[77.5;100.0]	2	[77.5;32.0]	[77.5;32.0]	[77.5;32.0]	3	[100.5;20.0]	[100.5;20.0]
4	[100.5;0.0]	[100.5;0.0]	[100.5;0.0]	5	[40.5;0.0]	[40.5;0.0]	[40.5;0.0]	6	[40.5;20.0]	[40.5;20.0]
7	[63.5;32.0]	[63.5;32.0]	[63.5;32.0]	8	[63.5;100.0]	[63.5;100.0]	[63.5;100.0]	9	[40.5;106.0]	[40.5;106.0]
10	[8.0;106.8]	[8.0;106.8]	[8.0;106.8]	11	[8.0;120.0]	[8.0;120.0]	[8.0;120.0]	12	[133.0;120.0]	[133.0;120.0]
13	[133.0;106.8]	[133.0;106.8]	[133.0;106.8]	14	[100.5;106.0]	[100.5;106.0]	[100.5;106.0]			

DISPOSIZIONE DEI TREFOLI E DEI TUBETTI (Totale trefoli 10) - (cm, cm²)																	
n.	coord	LgSx	LgDx	LgAd	Area	n.	coord	LgSx	LgDx	LgAd	Area	n.	coord	LgSx	LgDx	LgAd	Area
5	[65.5;5.0]	0.0	0.0	105.0	1.39	9	[60.5;5.0]	0.0	0.0	105.0	1.39	13	[55.5;5.0]	0.0	0.0	105.0	1.39
19	[45.5;5.0]	200.0	200.0	105.0	1.39	22	[95.5;5.0]	200.0	200.0	105.0	1.39	28	[85.5;5.0]	0.0	0.0	105.0	1.39
31	[80.5;5.0]	0.0	0.0	105.0	1.39	35	[75.5;5.0]	0.0	0.0	105.0	1.39	39	[65.5;115.0]	0.0	0.0	105.0	1.39
42	[75.5;115.0]	0.0	0.0	105.0	1.39												

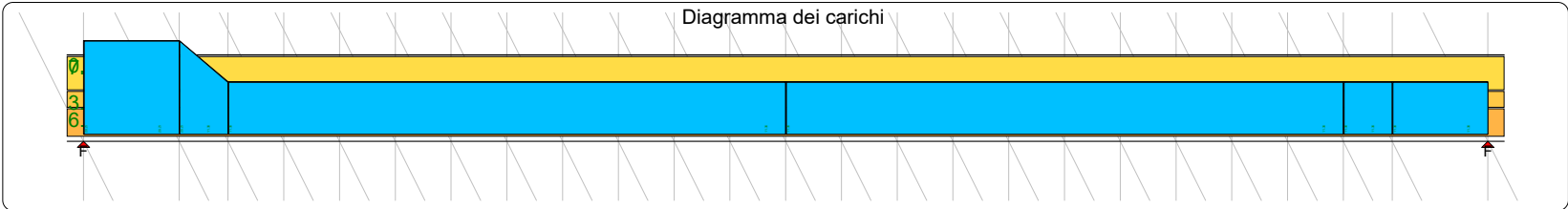




Situazione di carico										
CARICHI VERT. UNIFORMEMENTE DISTRIBUITI (daN/cm)				Ecc (cm)	Aliq. App.	Slu	SluSV	SleQP	SleFR	SleRA
Peso proprio solaio		0.00	0.0	0.00	1.30	1.00	1.00	1.00	1.00	1.00
Peso proprio caldana	0.0500x125.0=	6.25	0.0	0.00	1.30	1.00	1.00	1.00	1.00	1.00
Permanenti di 2° fase	0.0300x125.0=	3.75	0.0	0.00	1.50	1.00	1.00	1.00	1.00	1.00
Variabili di 3° fase	0.0600x125.0=	7.50	0.0	0.00	1.50	0.30	0.20	0.50	1.00	1.00
Incremento per sisma verticale		0.41	0.0	0.00	0.00	1.00	0.00	0.00	0.00	0.00
Totale carichi appesi		0.00								

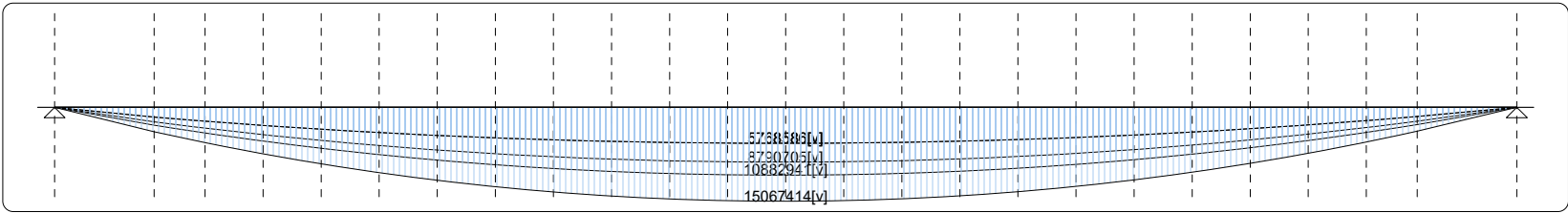
CARICHI VERTICALI DISTRIBUITI (daN/cm, cm)													
Qa	Qb	Xa	Xb	Ecc	Fase	Aliq. App.	Incr. sismici		Slu	SluSV	SleQP	SleFR	SleRA
20.21	20.21	20.0	137.5	0.0	0	0.00	1.78	1.78	1.35	1.00	1.00	1.00	1.00
20.21	11.36	137.5	197.5	0.0	0	0.00	1.78	1.00	1.35	1.00	1.00	1.00	1.00
11.36	11.36	197.5	882.5	0.0	0	0.00	1.00	1.00	1.35	1.00	1.00	1.00	1.00
11.36	11.36	882.5	1567.5	0.0	0	0.00	1.00	1.00	1.35	1.00	1.00	1.00	1.00
11.36	11.36	1567.5	1627.5	0.0	0	0.00	1.00	1.00	1.35	1.00	1.00	1.00	1.00
11.36	11.36	1627.5	1745.0	0.0	0	0.00	1.00	1.00	1.35	1.00	1.00	1.00	1.00

Fase: 0=taglio trefoli, 1=1° fase (sez isolata), 2=2° fase perm (sez mista),3=3° fase variab (sez mista)

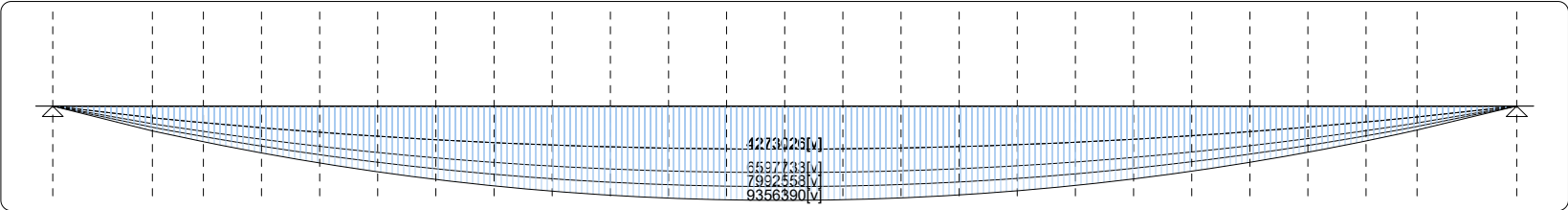


Volume complessivo della trave	(mc)	8.611	Posizione baricentro trave	(cm)	827.5
Peso totale della trave	(kN)	215.28			

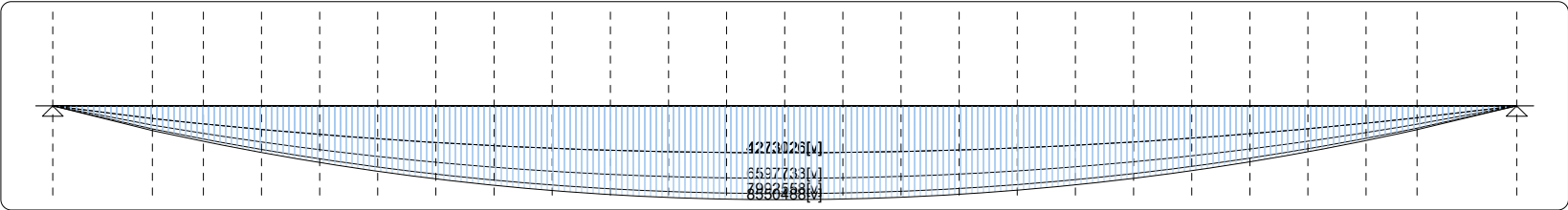
Caratteristiche di sollecitazione																
MOMENTI FLETTENTI S.L.U. (cm, daNcm)																
X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
20.0	0	0	0	0	0	0	0	0	-0	-0	0	-0	0	-0	0	-0
137.5	1563615	1563615	767330	2330945	531228	2862173	1062457	3924630	0	0	0	0	0	0	0	0
197.5	2223931	2223931	1115893	3339824	772541	4112365	1545082	5657446	0	0	0	0	0	0	0	0
266.0	2902127	2902127	1478075	4380202	1023283	5403486	2046566	7450052	0	0	0	0	0	0	0	0
334.5	3508383	3508383	1802134	5310517	1247632	6558148	2495262	9053411	0	0	0	0	0	0	0	0
403.0	4042698	4042698	2088068	6130766	1445586	7576352	2891170	10467523	0	0	0	0	0	0	0	0
471.5	4505074	4505074	2335878	6840952	1617146	8458098	3234292	11692390	0	0	0	0	0	0	0	0
540.0	4895510	4895510	2545562	7441072	1762312	9203384	3524625	12728009	0	0	0	0	0	0	0	0
608.5	5214005	5214005	2717123	7931128	1881085	9812213	3762169	13574382	0	0	0	0	0	0	0	0
677.0	5460560	5460560	2850559	8311120	1973464	10284583	3946927	14231510	0	0	0	0	0	0	0	0
745.5	5635176	5635176	2945870	8581046	2039449	10620495	4078898	14699393	0	0	0	0	0	0	0	0
814.0	5737851	5737851	3003056	8740907	2079040	10819947	4158079	14978026	0	0	0	0	0	0	0	0
882.5	5768586	5768586	3022120	8790705	2092236	10882941	4184473	15067414	0	0	0	0	0	0	0	0



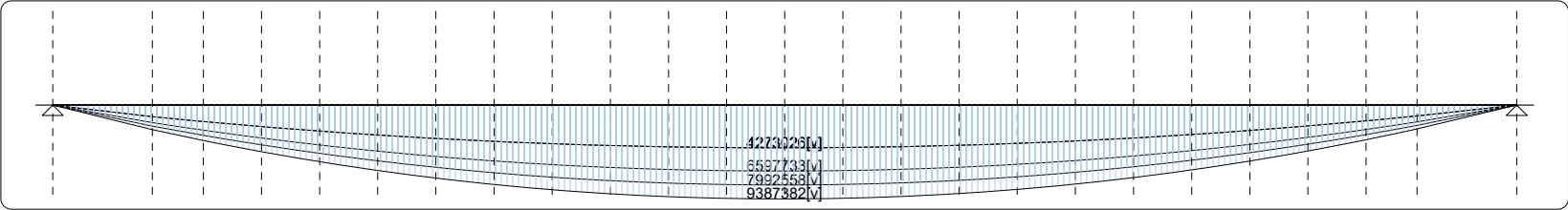
MOMENTI FLETTENTI S.L.U. con SISMA verticale (cm, daNcm)																
X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
20.0	0	0	0	0	0	0	0	0	-0	-0	0	-0	0	-0	0	-0
137.5	1158233	1158233	590254	1748487	354152	2102639	352728	2455367	0	0	0	0	0	0	0	0
197.5	1647356	1647356	858379	2505735	515028	3020763	509701	3530464	0	0	0	0	0	0	0	0
266.0	2149724	2149724	1136981	3286705	682189	3968894	672293	4641186	0	0	0	0	0	0	0	0
334.5	2598802	2598802	1386257	3985059	831754	4816814	817734	5634547	0	0	0	0	0	0	0	0
403.0	2994592	2994592	1606206	4600798	963724	5564522	946024	6510545	0	0	0	0	0	0	0	0
471.5	3337092	3337092	1796829	5133921	1078098	6212018	1057163	7269182	0	0	0	0	0	0	0	0
540.0	3626304	3626304	1958125	5584428	1174875	6759304	1151152	7910455	0	0	0	0	0	0	0	0
608.5	3862226	3862226	2090095	5952321	1254056	7206378	1227988	8434366	0	0	0	0	0	0	0	0
677.0	4044860	4044860	2192738	6237597	1315642	7553240	1287676	8840916	0	0	0	0	0	0	0	0
745.5	4174204	4174204	2266054	6440258	1359632	7799890	1330212	9130102	0	0	0	0	0	0	0	0
814.0	4250260	4250260	2310044	6560304	1386026	7946330	1355598	9301928	0	0	0	0	0	0	0	0
882.5	4273026	4273026	2324706	6597733	1394824	7992558	1363832	9356390	0	0	0	0	0	0	0	0



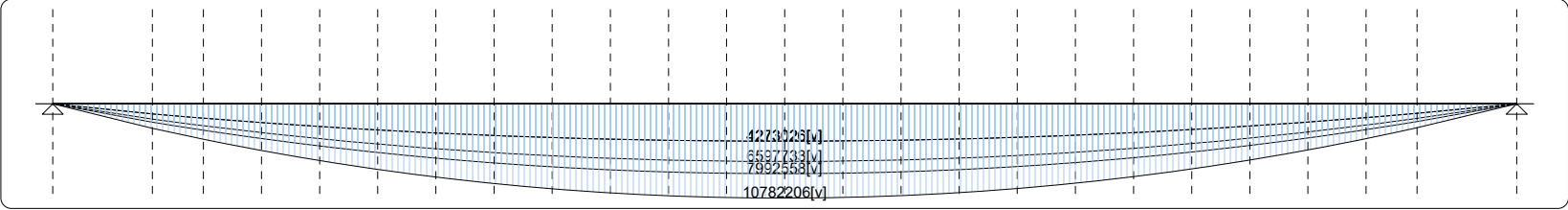
MOMENTI FLETTENTI S.L.E. Quasi permanente (cm, daNcm)																
X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
20.0	0	0	0	0	0	0	0	0	-0	-0	0	-0	0	-0	0	-0
137.5	1158233	1158233	590254	1748487	354152	2102639	141661	2244300	0	0	0	0	0	0	0	0
197.5	1647356	1647356	858379	2505735	515028	3020763	206011	3226774	0	0	0	0	0	0	0	0
266.0	2149724	2149724	1136981	3286705	682189	3968894	272876	4241770	0	0	0	0	0	0	0	0
334.5	2598802	2598802	1386257	3985059	831754	4816814	332702	5149516	0	0	0	0	0	0	0	0
403.0	2994592	2994592	1606206	4600798	963724	5564522	385490	5950011	0	0	0	0	0	0	0	0
471.5	3337092	3337092	1796829	5133921	1078098	6212018	431239	6643258	0	0	0	0	0	0	0	0
540.0	3626304	3626304	1958125	5584428	1174875	6759304	469950	7229254	0	0	0	0	0	0	0	0
608.5	3862226	3862226	2090095	5952321	1254056	7206378	501623	7708000	0	0	0	0	0	0	0	0
677.0	4044860	4044860	2192738	6237597	1315642	7553240	526257	8079496	0	0	0	0	0	0	0	0
745.5	4174204	4174204	2266054	6440258	1359632	7799890	543852	8343743	0	0	0	0	0	0	0	0
814.0	4250260	4250260	2310044	6560304	1386026	7946330	554412	8500741	0	0	0	0	0	0	0	0
882.5	4273026	4273026	2324706	6597733	1394824	7992558	557930	8550488	0	0	0	0	0	0	0	0



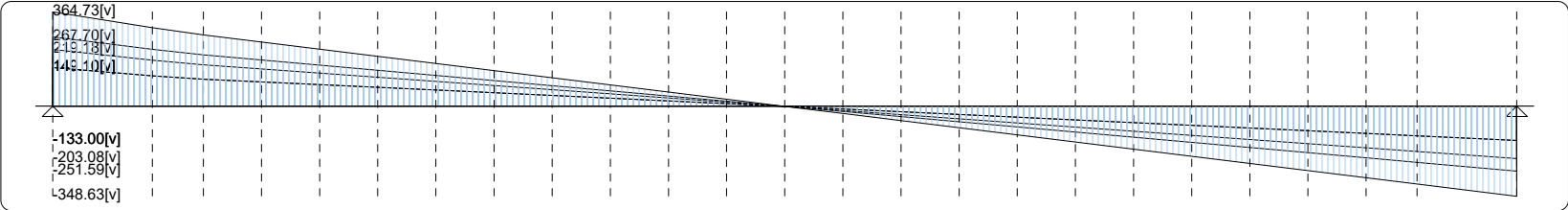
MOMENTI FLETTENTI S.L.E. Frequente (cm, daNcm)																
X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
20.0	0	0	0	0	0	0	0	0	-0	-0	0	-0	0	-0	0	-0
137.5	1158233	1158233	590254	1748487	354152	2102639	354152	2456792	0	0	0	0	0	0	0	0
197.5	1647356	1647356	858379	2505735	515028	3020763	515027	3535790	0	0	0	0	0	0	0	0
266.0	2149724	2149724	1136981	3286705	682189	3968894	682189	4651082	0	0	0	0	0	0	0	0
334.5	2598802	2598802	1386257	3985059	831754	4816814	831754	5648568	0	0	0	0	0	0	0	0
403.0	2994592	2994592	1606206	4600798	963724	5564522	963724	6528245	0	0	0	0	0	0	0	0
471.5	3337092	3337092	1796829	5133921	1078098	6212018	1078097	7290116	0	0	0	0	0	0	0	0
540.0	3626304	3626304	1958125	5584428	1174875	6759304	1174875	7934178	0	0	0	0	0	0	0	0
608.5	3862226	3862226	2090095	5952321	1254056	7206378	1254056	8460434	0	0	0	0	0	0	0	0
677.0	4044860	4044860	2192738	6237597	1315642	7553240	1315642	8868882	0	0	0	0	0	0	0	0
745.5	4174204	4174204	2266054	6440258	1359632	7799890	1359632	9159523	0	0	0	0	0	0	0	0
814.0	4250260	4250260	2310044	6560304	1386026	7946330	1386028	9332357	0	0	0	0	0	0	0	0
882.5	4273026	4273026	2324706	6597733	1394824	7992558	1394824	9387382	0	0	0	0	0	0	0	0



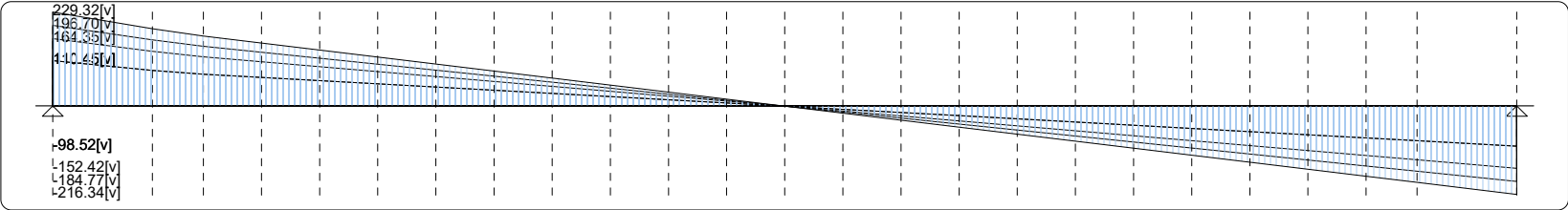
MOMENTI FLETTENTI S.L.E. Rara (cm, daNcm)																
X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
20.0	0	0	0	0	0	0	0	0	-0	-0	0	-0	0	-0	0	-0
137.5	1158233	1158233	590254	1748487	354152	2102639	708305	2810944	0	0	0	0	0	0	0	0
197.5	1647356	1647356	858379	2505735	515028	3020763	1030055	4050818	0	0	0	0	0	0	0	0
266.0	2149724	2149724	1136981	3286705	682189	3968894	1364377	5333271	0	0	0	0	0	0	0	0
334.5	2598802	2598802	1386257	3985059	831754	4816814	1663508	6480322	0	0	0	0	0	0	0	0
403.0	2994592	2994592	1606206	4600798	963724	5564522	1927448	7491969	0	0	0	0	0	0	0	0
471.5	3337092	3337092	1796829	5133921	1078098	6212018	2156195	8368214	0	0	0	0	0	0	0	0
540.0	3626304	3626304	1958125	5584428	1174875	6759304	2349750	9109054	0	0	0	0	0	0	0	0
608.5	3862226	3862226	2090095	5952321	1254056	7206378	2508114	9714491	0	0	0	0	0	0	0	0
677.0	4044860	4044860	2192738	6237597	1315642	7553240	2631284	10184524	0	0	0	0	0	0	0	0
745.5	4174204	4174204	2266054	6440258	1359632	7799890	2719266	10519156	0	0	0	0	0	0	0	0
814.0	4250260	4250260	2310044	6560304	1386026	7946330	2772054	10718383	0	0	0	0	0	0	0	0
882.5	4273026	4273026	2324706	6597733	1394824	7992558	2789648	10782206	0	0	0	0	0	0	0	0



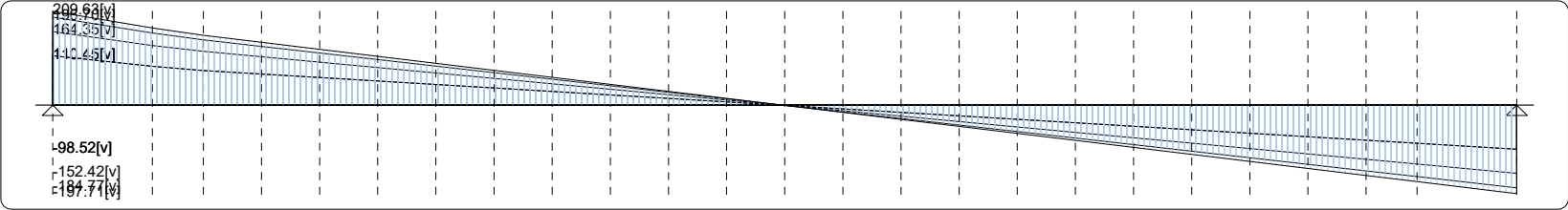
SFORZI DI TAGLIO S.L.U. (cm, kN)																
X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
20.0	149.10	149.10	70.08	219.18	48.52	267.70	97.03	364.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	117.04	117.04	60.53	177.57	41.91	219.48	83.81	303.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197.5	104.26	104.26	55.66	159.91	38.53	198.45	77.06	275.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
266.0	93.76	93.76	50.09	143.85	34.68	178.52	69.36	247.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
334.5	83.25	83.25	44.52	127.78	30.82	158.60	61.65	220.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
403.0	72.75	72.75	38.96	111.71	26.97	138.68	53.94	192.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
471.5	62.25	62.25	33.39	95.64	23.12	118.76	46.24	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540.0	51.75	51.75	27.83	79.57	19.27	98.84	38.53	137.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
608.5	41.24	41.24	22.26	63.51	15.41	78.92	30.82	109.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
677.0	30.74	30.74	16.70	47.44	11.56	59.00	23.12	82.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
745.5	20.24	20.24	11.13	31.37	7.71	39.08	15.41	54.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
814.0	9.74	9.74	5.57	15.30	3.85	19.16	7.71	26.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
882.5	-0.76	-0.76	0.00	-0.76	0.00	-0.76	0.00	-0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



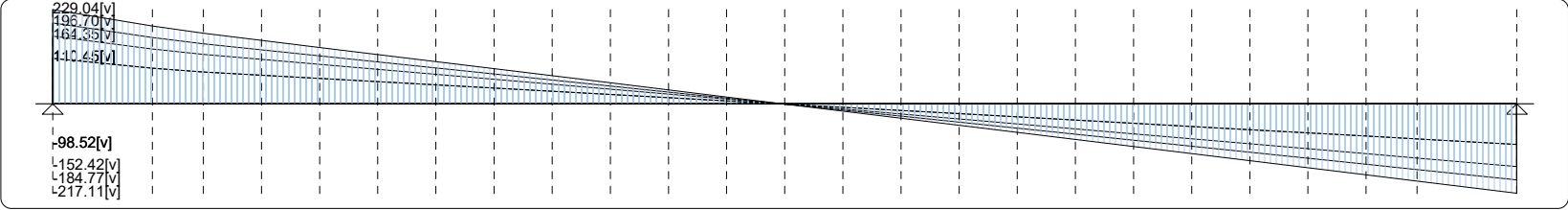
SFORZI DI TAGLIO S.L.U. con SISMA verticale (cm, kN)																
X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
20.0	110.45	110.45	53.91	164.35	32.34	196.70	32.62	229.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	86.70	86.70	46.56	133.26	27.94	161.20	27.41	188.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197.5	77.23	77.23	42.81	120.04	25.69	145.73	24.99	170.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
266.0	69.45	69.45	38.53	107.98	23.12	131.10	22.48	153.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
334.5	61.67	61.67	34.25	95.92	20.55	116.47	19.98	136.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
403.0	53.89	53.89	29.97	83.86	17.98	101.84	17.48	119.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
471.5	46.11	46.11	25.69	71.80	15.41	87.21	14.97	102.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540.0	38.33	38.33	21.41	59.74	12.84	72.58	12.47	85.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
608.5	30.55	30.55	17.12	47.68	10.27	57.95	9.97	67.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
677.0	22.77	22.77	12.84	35.62	7.71	43.32	7.46	50.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
745.5	14.99	14.99	8.56	23.56	5.14	28.69	4.96	33.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
814.0	7.21	7.21	4.28	11.49	2.57	14.06	2.45	16.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
882.5	-0.57	-0.57	0.00	-0.57	0.00	-0.57	-0.05	-0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



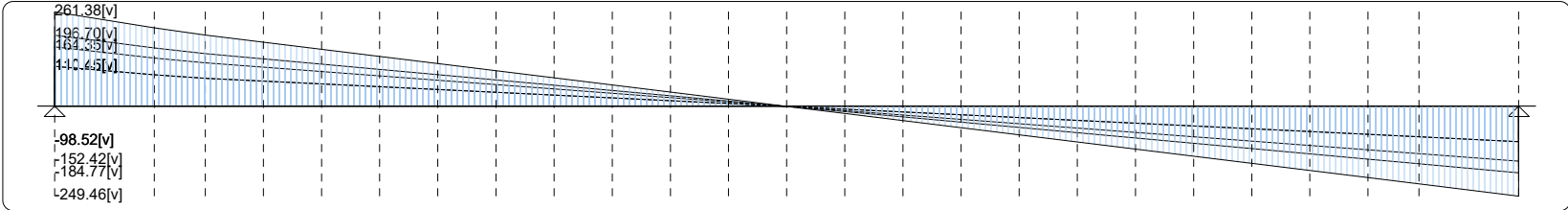
SFORZI DI TAGLIO S.L.E. Quasi permanente (cm, kN)																
X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
20.0	110.45	110.45	53.91	164.35	32.34	196.70	12.94	209.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	86.70	86.70	46.56	133.26	27.94	161.20	11.17	172.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197.5	77.23	77.23	42.81	120.04	25.69	145.73	10.27	156.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
266.0	69.45	69.45	38.53	107.98	23.12	131.10	9.25	140.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
334.5	61.67	61.67	34.25	95.92	20.55	116.47	8.22	124.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
403.0	53.89	53.89	29.97	83.86	17.98	101.84	7.19	109.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
471.5	46.11	46.11	25.69	71.80	15.41	87.21	6.17	93.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540.0	38.33	38.33	21.41	59.74	12.84	72.58	5.14	77.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
608.5	30.55	30.55	17.12	47.68	10.27	57.95	4.11	62.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
677.0	22.77	22.77	12.84	35.62	7.71	43.32	3.08	46.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
745.5	14.99	14.99	8.56	23.56	5.14	28.69	2.05	30.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
814.0	7.21	7.21	4.28	11.49	2.57	14.06	1.03	15.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
882.5	-0.57	-0.57	0.00	-0.57	0.00	-0.57	0.00	-0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



SFORZI DI TAGLIO S.L.E. Frequente (cm, kN)																
X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
20.0	110.45	110.45	53.91	164.35	32.34	196.70	32.34	229.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	86.70	86.70	46.56	133.26	27.94	161.20	27.94	189.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197.5	77.23	77.23	42.81	120.04	25.69	145.73	25.69	171.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
266.0	69.45	69.45	38.53	107.98	23.12	131.10	23.12	154.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
334.5	61.67	61.67	34.25	95.92	20.55	116.47	20.55	137.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
403.0	53.89	53.89	29.97	83.86	17.98	101.84	17.98	119.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
471.5	46.11	46.11	25.69	71.80	15.41	87.21	15.41	102.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540.0	38.33	38.33	21.41	59.74	12.84	72.58	12.84	85.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
608.5	30.55	30.55	17.12	47.68	10.27	57.95	10.27	68.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
677.0	22.77	22.77	12.84	35.62	7.71	43.32	7.71	51.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
745.5	14.99	14.99	8.56	23.56	5.14	28.69	5.14	33.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
814.0	7.21	7.21	4.28	11.49	2.57	14.06	2.57	16.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
882.5	-0.57	-0.57	0.00	-0.57	0.00	-0.57	0.00	-0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



SFORZI DI TAGLIO S.L.E. Rara (cm, kN)																
X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
20.0	110.45	110.45	53.91	164.35	32.34	196.70	64.69	261.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	86.70	86.70	46.56	133.26	27.94	161.20	55.87	217.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197.5	77.23	77.23	42.81	120.04	25.69	145.73	51.37	197.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
266.0	69.45	69.45	38.53	107.98	23.12	131.10	46.24	177.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
334.5	61.67	61.67	34.25	95.92	20.55	116.47	41.10	157.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
403.0	53.89	53.89	29.97	83.86	17.98	101.84	35.96	137.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
471.5	46.11	46.11	25.69	71.80	15.41	87.21	30.82	118.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540.0	38.33	38.33	21.41	59.74	12.84	72.58	25.69	98.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
608.5	30.55	30.55	17.12	47.68	10.27	57.95	20.55	78.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
677.0	22.77	22.77	12.84	35.62	7.71	43.32	15.41	58.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
745.5	14.99	14.99	8.56	23.56	5.14	28.69	10.27	38.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
814.0	7.21	7.21	4.28	11.49	2.57	14.06	5.14	19.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
882.5	-0.57	-0.57	0.00	-0.57	0.00	-0.57	0.00	-0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



REAZIONI VINCOLARI VERTICALI, ORIZZONTALI E TORCENTI (cm, kN, daNcm)																
X	R0[v]	Rf1[v]	RT1[v]	Rf2[v]	RT2[v]	Rf3[v]	RT[v]	R0[o]	Rf1[o]	RT1[o]	Rf2[o]	RT2[o]	Rf3[o]	RT[o]		
20.0	154.58	71.70	226.28	49.64	275.92	99.28	375.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Slu	
	114.50	55.16	169.66	33.09	202.75	33.16	235.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SluSV	
	114.50	55.16	169.66	33.09	202.75	13.24	215.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SleQP	
	114.50	55.16	169.66	33.09	202.75	33.09	235.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SleFR	
	114.50	55.16	169.66	33.09	202.75	66.19	268.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SleRA	
1745.0	136.05	71.70	207.76	49.64	257.40	99.28	356.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Slu	
	100.78	55.16	155.94	33.09	189.03	32.11	221.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SluSV	
	100.78	55.16	155.94	33.09	189.03	13.24	202.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SleQP	
	100.78	55.16	155.94	33.09	189.03	33.09	222.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SleFR	
	100.78	55.16	155.94	33.09	189.03	66.19	255.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SleRA	

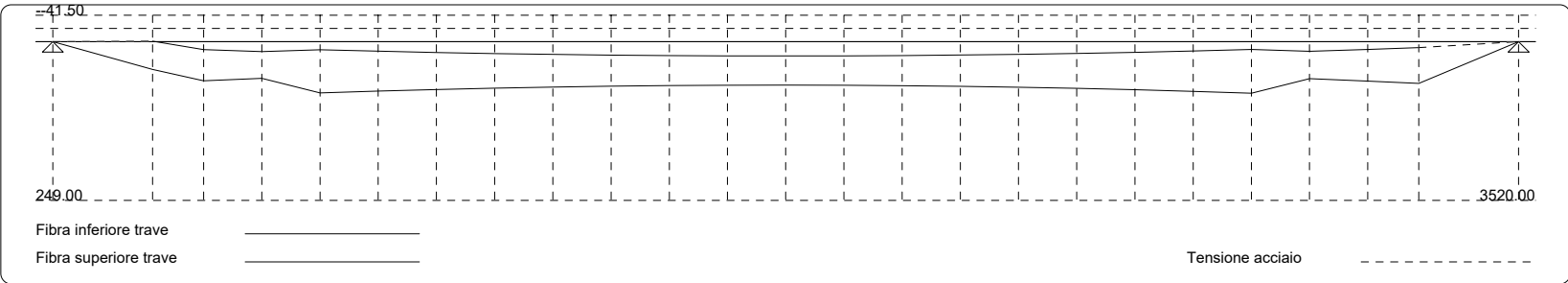
Caratteristiche sezioni omogeneizzate										
SEZIONE IDEALE ISOLATA (cm, cm, cm², cm4, cm³)										
X	Ht	Area	Ix	Iy	Ixy	Xg	Yg	FattTgi		
20.0	120.0	8085	10883023	4117684	0	70.50	65.82	5246		
137.5	120.0	8085	10883023	4117684	0	70.50	65.82	5246		
197.5	120.0	4543	9094432	2690573	0	70.50	66.90	1375		
266.0	120.0	4543	9094432	2690573	0	70.50	66.90	1375		
334.5	120.0	4543	9094432	2690573	0	70.50	66.90	1375		
403.0	120.0	4543	9094432	2690573	0	70.50	66.90	1375		
471.5	120.0	4543	9094432	2690573	0	70.50	66.90	1375		
540.0	120.0	4543	9094432	2690573	0	70.50	66.90	1375		
608.5	120.0	4543	9094432	2690573	0	70.50	66.90	1375		
677.0	120.0	4543	9094432	2690573	0	70.50	66.90	1375		
745.5	120.0	4543	9094432	2690573	0	70.50	66.90	1375		
814.0	120.0	4543	9094432	2690573	0	70.50	66.90	1375		
882.5	120.0	4543	9094432	2690573	0	70.50	66.90	1375		

Baricentro cavo risultante x=70.50, y=27.00 cm (sezione di mezzeria)

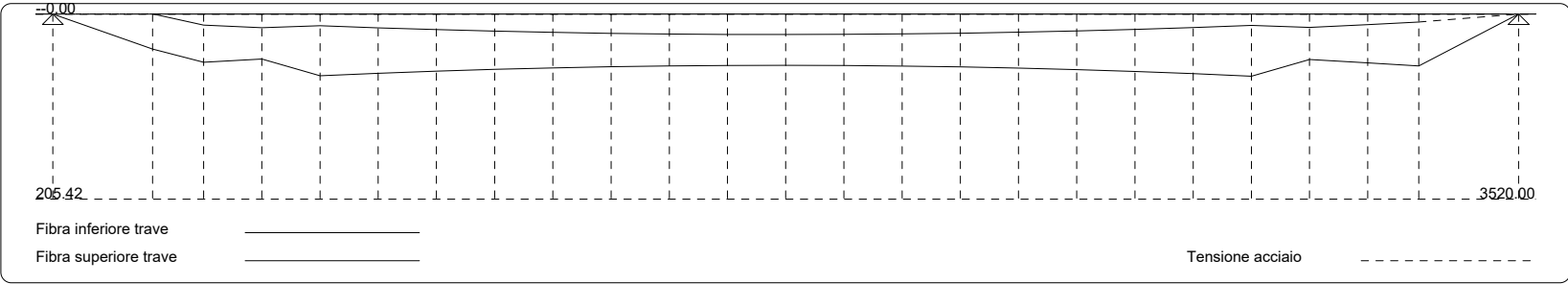
SEZIONE IDEALE MISTA (cm, cm, cm², cm4, cm³)										
X	Ht	Area	Ix	Iy	Ixy	Xg	Yg	FattTgm	FattTa	
20.0	140.0	10244	17973204	6928720	-0	70.50	79.35	5709	0	
137.5	140.0	10244	17973204	6928720	-0	70.50	79.35	5709	0	
197.5	140.0	6702	14993772	5501609	-0	70.50	87.22	1481	0	
266.0	140.0	6702	14993772	5501609	-0	70.50	87.22	1481	0	
334.5	140.0	6702	14993772	5501609	-0	70.50	87.22	1481	0	
403.0	140.0	6702	14993772	5501609	-0	70.50	87.22	1481	0	
471.5	140.0	6702	14993772	5501609	-0	70.50	87.22	1481	0	
540.0	140.0	6702	14993772	5501609	-0	70.50	87.22	1481	0	
608.5	140.0	6702	14993772	5501609	-0	70.50	87.22	1481	0	
677.0	140.0	6702	14993772	5501609	-0	70.50	87.22	1481	0	
745.5	140.0	6702	14993772	5501609	-0	70.50	87.22	1481	0	
814.0	140.0	6702	14993772	5501609	-0	70.50	87.22	1481	0	
882.5	140.0	6702	14993772	5501609	-0	70.50	87.22	1481	0	

Perdite di tensione e tensioni iniziali							
PERDITE DI TENSIONE (cm, daN/cm²)							
X	Rit	Elast	Visc	Rilass	TOTALE	6 c.p.e.	6 s.p.e.
20.0							
137.5	600.00	145.66	335.03	469.42	1550.11	12699.89	12845.56
197.5	600.00	222.65	512.10	430.68	1765.43	12484.57	12707.22
266.0	600.00	213.86	491.88	431.84	1737.58	12512.42	12726.28
334.5	600.00	301.93	694.43	380.87	1977.24	12272.76	12574.69
403.0	600.00	293.90	675.96	382.33	1952.19	12297.81	12591.71
471.5	600.00	286.94	659.97	383.59	1930.51	12319.49	12606.43
540.0	600.00	281.07	646.47	384.66	1912.21	12337.79	12618.87
608.5	600.00	276.29	635.46	385.53	1897.27	12352.73	12629.01
677.0	600.00	272.58	626.93	386.20	1885.71	12364.29	12636.87
745.5	600.00	269.95	620.90	386.68	1877.53	12372.47	12642.43
814.0	600.00	268.41	617.35	386.96	1872.71	12377.29	12645.70
882.5	600.00	267.95	616.28	387.04	1871.27	12378.73	12646.68

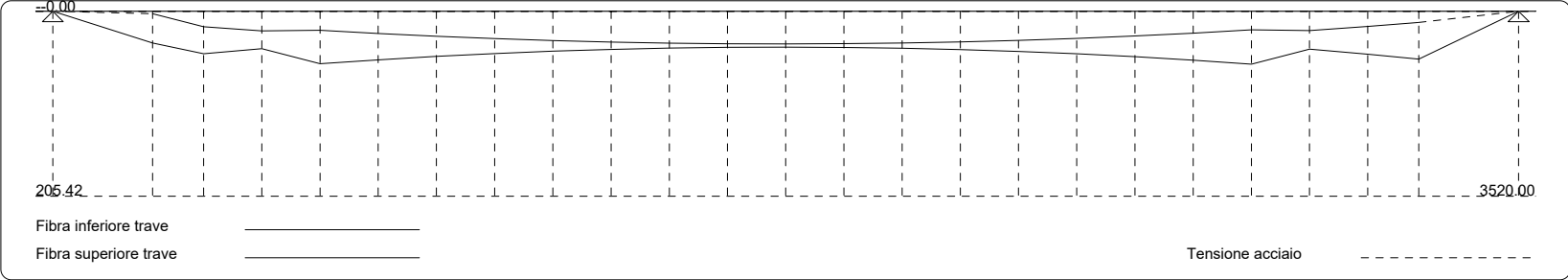
TENSIONI INIZIALI AL TAGLIO DEI TREFOLI (cm, kN, daNcm, daN/cm²)								
X	N0prec	Mx0prec	My0prec	6sup	6inf	6't	6'c	
20.0								
137.5	1552.07	-5171656	1	-0.78	43.47	-0.19	14.40	c.a.p.
197.5	1552.07	-5338584	1	12.61	61.32	-1.17	27.08	c.a.p.
266.0	1552.07	-5338584	1	15.55	57.62	-0.91	27.95	c.a.p.
334.5	1940.09	-7740281	0	12.69	80.53	-0.63	31.85	c.a.p.
403.0	1940.09	-7740281	0	15.00	77.62	-0.47	32.57	c.a.p.
471.5	1940.09	-7740281	0	17.00	75.10	-0.34	33.20	c.a.p.
540.0	1940.09	-7740281	0	18.69	72.97	-0.23	33.74	c.a.p.
608.5	1940.09	-7740281	0	20.06	71.23	-0.14	34.18	c.a.p.
677.0	1940.09	-7740281	0	21.13	69.89	-0.08	34.53	c.a.p.
745.5	1940.09	-7740281	0	21.88	68.94	-0.03	34.77	c.a.p.
814.0	1940.09	-7740281	0	22.33	68.38	-0.01	34.91	c.a.p.
882.5	1940.09	-7740281	0	22.46	68.21	-0.00	34.96	c.a.p.



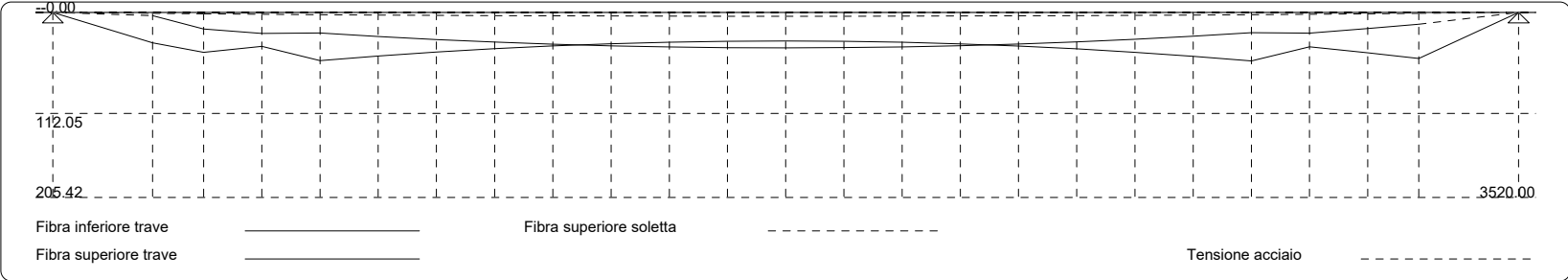
Tensioni di esercizio									
TENSIONI DI FASE 0 (montaggio) S.L.E. Quasi permanente - Rara (SEZ ISOLATA) (cm, kN, daNcm, daN/cm²)									
X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6trf
20.0									
137.5	1412.23	-4705676	1	-0.19	38.92		-0.21	13.26	c.a.p.
197.5	1388.28	-4775204	1	12.30	53.57		-1.27	24.84	c.a.p.
266.0	1391.38	-4785856	1	15.24	50.02		-0.99	25.73	c.a.p.
334.5	1705.91	-6805992	0	12.99	68.50		-0.70	28.85	c.a.p.
403.0	1709.40	-6819884	0	15.29	65.77		-0.52	29.60	c.a.p.
471.5	1712.41	-6831906	0	17.29	63.40		-0.37	30.26	c.a.p.
540.0	1714.95	-6842057	0	18.97	61.41		-0.25	30.82	c.a.p.
608.5	1717.03	-6850337	0	20.35	59.78		-0.16	31.28	c.a.p.
677.0	1718.64	-6856747	0	21.41	58.52		-0.09	31.63	c.a.p.
745.5	1719.77	-6861287	0	22.17	57.62		-0.04	31.89	c.a.p.
814.0	1720.44	-6863956	0	22.61	57.10		-0.01	32.04	c.a.p.
882.5	1720.64	-6864755	0	22.74	56.94		-0.00	32.08	c.a.p.



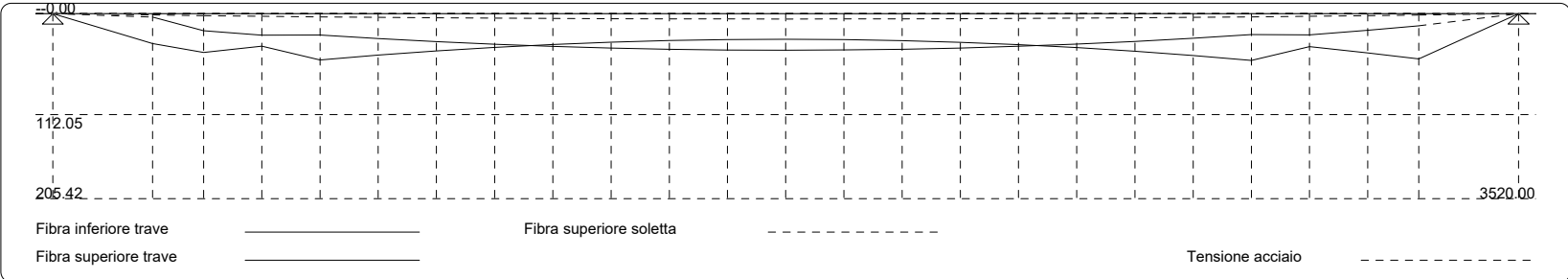
TENSIONI DI 1° FASE S.L.E. Quasi permanente - Rara (SEZ ISOLATA) (cm, kN, daNcm, daN/cm²)									
X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6trf
20.0									
137.5	1412.23	-4705676	1	2.75	35.35		-0.45	14.25	c.a.p.
197.5	1388.28	-4775204	1	17.31	47.25		-2.70	28.19	c.a.p.
266.0	1391.38	-4785856	1	21.88	41.66		-2.10	29.38	c.a.p.
334.5	1705.91	-6805992	0	21.08	58.30		-1.49	32.73	c.a.p.
403.0	1709.40	-6819884	0	24.67	53.95		-1.10	33.77	c.a.p.
471.5	1712.41	-6831906	0	27.78	50.19		-0.79	34.69	c.a.p.
540.0	1714.95	-6842057	0	30.41	47.00		-0.53	35.47	c.a.p.
608.5	1717.03	-6850337	0	32.55	44.40		-0.33	36.12	c.a.p.
677.0	1718.64	-6856747	0	34.22	42.39		-0.18	36.63	c.a.p.
745.5	1719.77	-6861287	0	35.40	40.95		-0.08	37.00	c.a.p.
814.0	1720.44	-6863956	0	36.10	40.11		-0.02	37.21	c.a.p.
882.5	1720.64	-6864755	0	36.32	39.84		-0.00	37.28	c.a.p.



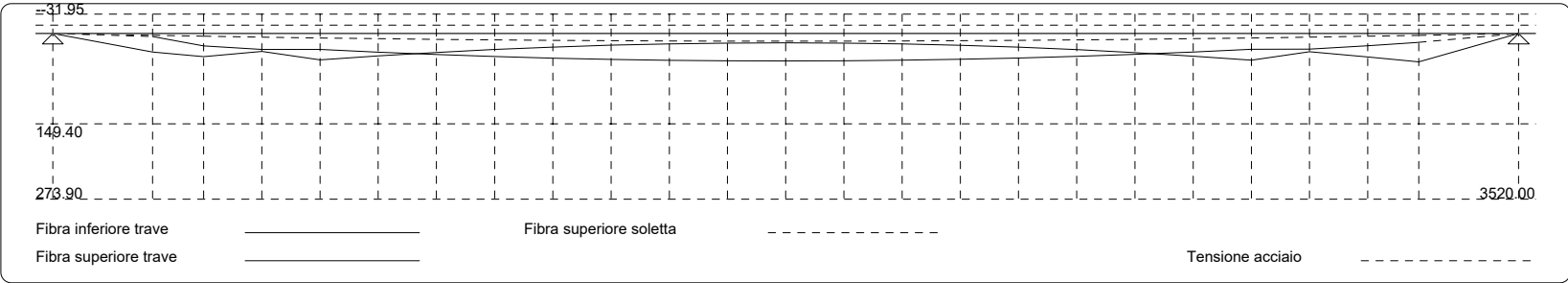
TENSIONI DI 2° FASE (permanenti) S.L.E. Quasi permanente - Rara (SEZ MISTA) (cm, kN, daNcm, daN/cm²)									
X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6trf
20.0									
137.5	1412.23	-4705676	1	3.55	33.79	1.03	-0.64	14.43	c.a.p.
197.5	1388.28	-4775204	1	18.43	44.26	1.57	-3.75	29.24	c.a.p.
266.0	1391.38	-4785856	1	23.37	37.69	2.07	-2.93	30.21	c.a.p.
334.5	1705.91	-6805992	0	22.90	53.46	2.53	-2.10	33.35	c.a.p.
403.0	1709.40	-6819884	0	26.78	48.35	2.93	-1.56	34.23	c.a.p.
471.5	1712.41	-6831906	0	30.14	43.91	3.28	-1.12	35.02	c.a.p.
540.0	1714.95	-6842057	0	32.98	40.17	3.57	-0.76	35.70	c.a.p.
608.5	1717.03	-6850337	0	35.30	37.11	3.81	-0.48	36.27	c.a.p.
677.0	1718.64	-6856747	0	37.09	34.73	4.00	-0.26	36.71	c.a.p.
745.5	1719.77	-6861287	0	38.37	33.05	4.13	-0.11	37.03	c.a.p.
814.0	1720.44	-6863956	0	39.13	32.04	4.21	-0.03	37.22	c.a.p.
882.5	1720.64	-6864755	0	39.37	31.73	4.24	-0.00	37.28	c.a.p.



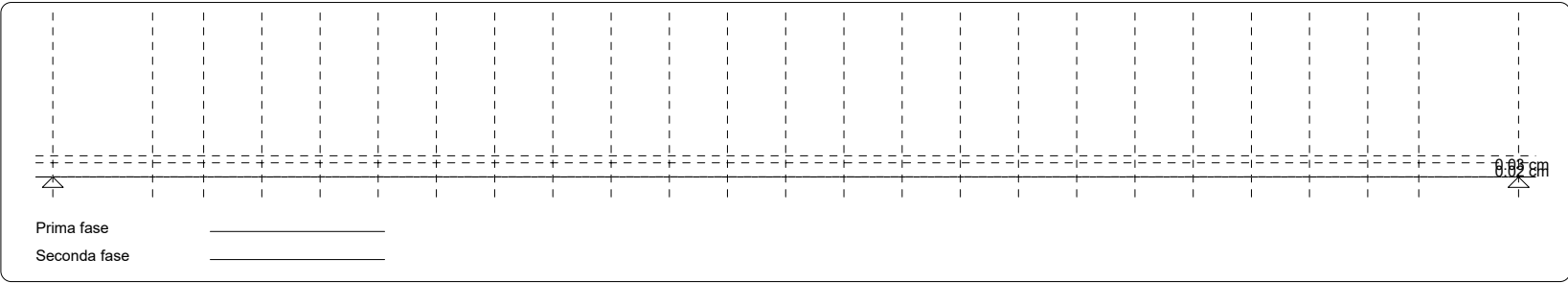
TENSIONI DI 3° FASE S.L.E. Quasi permanente (SEZ MISTA) (cm, kN, daNcm, daN/cm²)									
X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6trf
20.0									
137.5	1412.23	-4705676	1	3.87	33.16	1.44	-0.72	14.51	12702.99 c.a.p.
197.5	1388.28	-4775204	1	18.89	43.06	2.19	-4.20	29.68	12490.44 c.a.p.
266.0	1391.38	-4785856	1	23.96	36.10	2.90	-3.30	30.57	12520.20 c.a.p.
334.5	1705.91	-6805992	0	23.63	51.53	3.54	-2.37	33.61	12283.52 c.a.p.
403.0	1709.40	-6819884	0	27.62	46.10	4.10	-1.77	34.44	12310.28 c.a.p.
471.5	1712.41	-6831906	0	31.08	41.41	4.59	-1.27	35.17	12333.44 c.a.p.
540.0	1714.95	-6842057	0	34.00	37.43	5.00	-0.86	35.80	12352.99 c.a.p.
608.5	1717.03	-6850337	0	36.39	34.19	5.34	-0.54	36.33	12368.95 c.a.p.
677.0	1718.64	-6856747	0	38.24	31.67	5.60	-0.30	36.75	12381.30 c.a.p.
745.5	1719.77	-6861287	0	39.56	29.88	5.79	-0.13	37.05	12390.06 c.a.p.
814.0	1720.44	-6863956	0	40.34	28.82	5.90	-0.03	37.23	12395.21 c.a.p.
882.5	1720.64	-6864755	0	40.59	28.48	5.94	-0.00	37.28	12396.77 c.a.p.



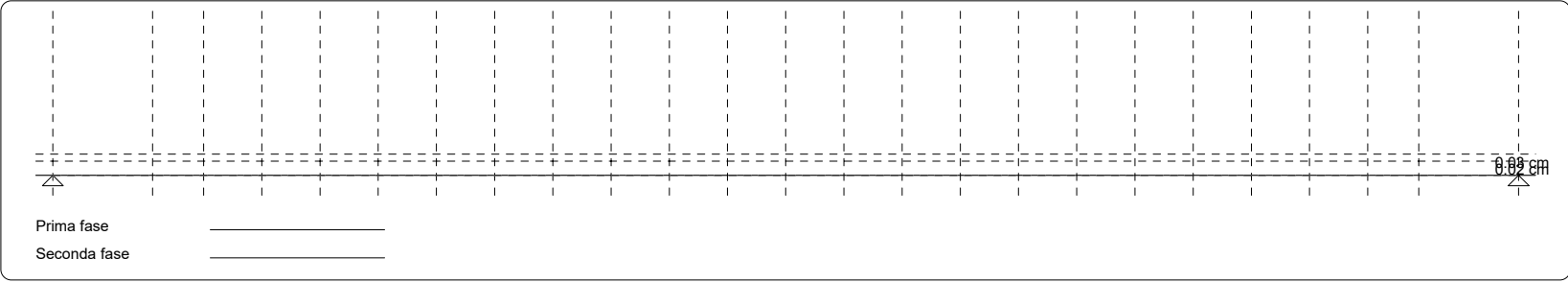
TENSIONI DI 3° FASE S.L.E. Rara (SEZ MISTA) (cm, kN, daNcm, daN/cm²)										
X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6trf	
20.0										
137.5	1412.23	-4705676	1	5.15	30.66	3.10	-1.08	14.87	12704.47	c.a.p.
197.5	1388.28	-4775204	1	20.69	38.27	4.70	-6.14	31.63	12493.45	c.a.p.
266.0	1391.38	-4785856	1	26.35	29.75	6.22	-4.89	32.17	12524.19	c.a.p.
334.5	1705.91	-6805992	0	26.54	43.79	7.58	-3.57	34.81	12288.87	c.a.p.
403.0	1709.40	-6819884	0	30.99	37.13	8.79	-2.68	35.35	12316.47	c.a.p.
471.5	1712.41	-6831906	0	34.85	31.37	9.83	-1.94	35.84	12340.36	c.a.p.
540.0	1714.95	-6842057	0	38.11	26.50	10.71	-1.33	36.27	12360.54	c.a.p.
608.5	1717.03	-6850337	0	40.78	22.52	11.44	-0.84	36.63	12377.01	c.a.p.
677.0	1718.64	-6856747	0	42.85	19.43	12.00	-0.47	36.92	12389.76	c.a.p.
745.5	1719.77	-6861287	0	44.32	17.23	12.40	-0.20	37.12	12398.80	c.a.p.
814.0	1720.44	-6863956	0	45.19	15.92	12.64	-0.05	37.24	12404.12	c.a.p.
882.5	1720.64	-6864755	0	45.46	15.50	12.72	-0.00	37.28	12405.73	c.a.p.



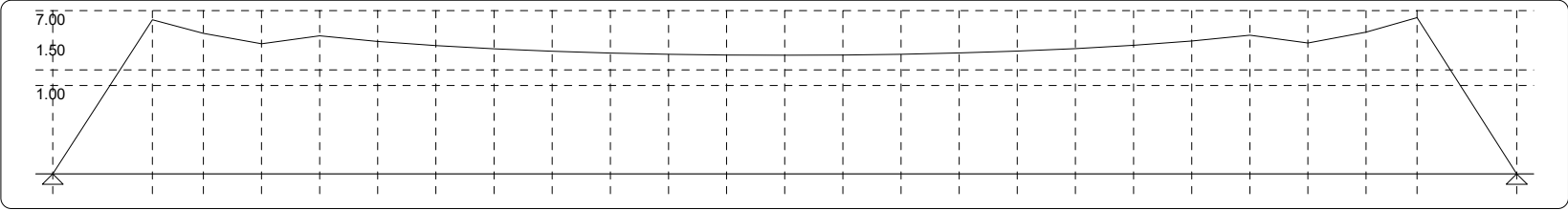
Verifiche a fessurazione						
FESSURAZIONE S.L.E. Quasi permanente (cm, daNcm)						
X	Mfess1 v	Mfess1 o	Eta1/Amp	Mfess2 v	Mfess2 o	Eta2/Amp
20.0	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
137.5	amp fess	no decomp		amp fess	no decomp	
197.5	amp fess	no decomp		amp fess	no decomp	
266.0	amp fess	no decomp		amp fess	no decomp	
334.5	amp fess	no decomp		amp fess	no decomp	
403.0	amp fess	no decomp		amp fess	no decomp	
471.5	amp fess	no decomp		amp fess	no decomp	
540.0	amp fess	no decomp		amp fess	no decomp	
608.5	amp fess	no decomp		amp fess	no decomp	
677.0	amp fess	no decomp		amp fess	no decomp	
745.5	amp fess	no decomp		amp fess	no decomp	
814.0	amp fess	no decomp		amp fess	no decomp	
882.5	amp fess	no decomp		amp fess	no decomp	



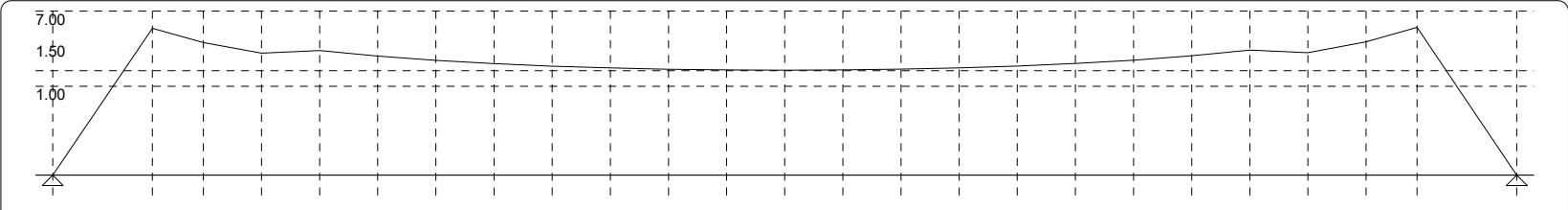
FESSURAZIONE S.L.E. Frequente (cm, daNcm)						
X	Mfess1 v	Mfess1 o	Eta1/Amp	Mfess2 v	Mfess2 o	Eta2/Amp
20.0	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
137.5	amp fess	no decomp		amp fess	no decomp	
197.5	amp fess	no decomp		amp fess	no decomp	
266.0	amp fess	no decomp		amp fess	no decomp	
334.5	amp fess	no decomp		amp fess	no decomp	
403.0	amp fess	no decomp		amp fess	no decomp	
471.5	amp fess	no decomp		amp fess	no decomp	
540.0	amp fess	no decomp		amp fess	no decomp	
608.5	amp fess	no decomp		amp fess	no decomp	
677.0	amp fess	no decomp		amp fess	no decomp	
745.5	amp fess	no decomp		amp fess	no decomp	
814.0	amp fess	no decomp		amp fess	no decomp	
882.5	amp fess	no decomp		amp fess	no decomp	



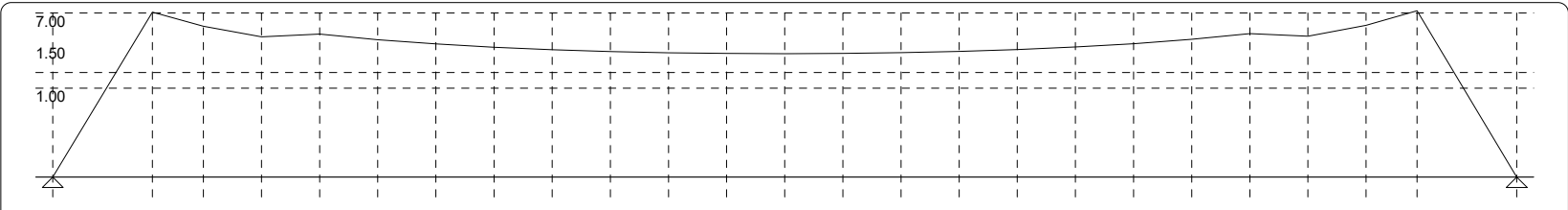
Verifiche a rottura								
VERIFICHE DI 1° FASE (SEZIONE ISOLATA) (cm, kN, daNcm)								
X	epsc	epsf	hx-int	hy-int	F	Mv-rott	Mo-rott	Eta
20.0								
137.5	0.0059	-0.0100	0.00	78.00	1648.01	12854186	0	5.51
197.5	0.0005	-0.0100	0.00	99.98	1293.42	12931315	0	3.87
266.0	0.0059	-0.0100	0.00	78.81	1640.41	12927859	0	2.95
334.5	0.0064	-0.0093	0.00	109.20	1763.56	19257800	0	3.63
403.0	0.0064	-0.0093	0.00	109.20	1763.53	19258190	0	3.14
471.5	0.0064	-0.0093	0.00	109.21	1763.49	19258546	0	2.82
540.0	0.0064	-0.0093	0.00	109.21	1763.46	19258884	0	2.59
608.5	0.0064	-0.0093	0.00	109.21	1763.43	19259144	0	2.43
677.0	0.0064	-0.0093	0.00	109.12	1764.20	19250692	0	2.32
745.5	0.0064	-0.0093	0.00	109.12	1764.19	19250800	0	2.24
814.0	0.0064	-0.0093	0.00	109.12	1764.19	19250878	0	2.20
882.5	0.0064	-0.0093	0.00	109.12	1764.19	19250890	0	2.19



VERIFICHE DI 2° FASE (SEZIONE MISTA) (cm, kN, daNcm)								
X	epsc	epsf	hx-int	hy-int	F	Mv-rott	Mo-rott	Eta
20.0								
137.5	0.0010	-0.0100	0.00	103.38	1699.17	17565750	0	4.48
197.5	0.0010	-0.0100	0.00	103.40	1698.21	17560190	0	3.10
266.0	0.0010	-0.0100	0.00	103.38	1698.39	17558066	0	2.36
334.5	0.0012	-0.0100	0.00	108.29	2110.21	22850538	0	2.52
403.0	0.0012	-0.0100	0.00	108.14	2113.12	22851010	0	2.18
471.5	0.0012	-0.0100	0.00	108.06	2114.73	22852020	0	1.95
540.0	0.0012	-0.0100	0.00	108.00	2116.10	22852934	0	1.80
608.5	0.0013	-0.0100	0.00	107.94	2117.20	22853610	0	1.68
677.0	0.0013	-0.0100	0.00	107.90	2118.07	22854178	0	1.61
745.5	0.0013	-0.0100	0.00	107.87	2118.68	22854574	0	1.55
814.0	0.0013	-0.0100	0.00	107.85	2119.04	22854806	0	1.53
882.5	0.0013	-0.0100	0.00	107.85	2119.15	22854866	0	1.52



VERIFICHE DI 2° FASE (SLU sisma verticale) (SEZIONE MISTA) (cm, kN, daNcm)								
X)	epsc	epsf	hx-int	hy-int	F	Mv-rott	Mo-rott	Eta
20.0								
137.5	0.0010	-0.0100	0.00	103.38	1699.13	17566284	0	7.15
197.5	0.0010	-0.0100	0.00	103.45	1697.43	17559836	0	4.97
266.0	0.0010	-0.0100	0.00	103.40	1698.34	17561566	0	3.78
334.5	0.0012	-0.0100	0.00	108.35	2108.91	22850332	0	4.06
403.0	0.0012	-0.0100	0.00	108.31	2109.91	22852004	0	3.51
471.5	0.0012	-0.0100	0.00	108.27	2110.77	22853476	0	3.14
540.0	0.0012	-0.0100	0.00	108.13	2113.45	22853202	0	2.89
608.5	0.0012	-0.0100	0.00	108.09	2114.38	22853926	0	2.71
677.0	0.0012	-0.0100	0.00	108.05	2115.12	22854536	0	2.59
745.5	0.0012	-0.0100	0.00	108.03	2115.65	22854968	0	2.50
814.0	0.0012	-0.0100	0.00	108.01	2115.96	22855208	0	2.46
882.5	0.0012	-0.0100	0.00	108.01	2116.05	22855260	0	2.44



Le deformazioni di fase 0', 1 e 2 sono moltiplicate per il coefficiente di viscosità
Le deformazioni di fase 0 sono calcolate con la precompressione iniziale

