



UNIVERSITÀ DEGLI STUDI DI CATANIA

CORSO DI LAUREA IN INGEGNERIA CIVILE STRUTTURALE E GEOTECNICA

CORSO DI PROGETTO DI STRUTTURE IN ZONA SISMICA – A.A. 2016-2017

RELAZIONE DI CALCOLO

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Allegato 1 – Carichi sulle travi

Allegato 2 – Masse di piano - Calcolo perfezionato

Allegato 3 – Deformate modali

Allegato 4 – Confronto rigidezze – Previsione/Tel08

Allegato 5 – Armatura travi

Allegato 6 – Armatura pilastri

Il resto dei calcoli è possibile consultarli :

Nei fogli Excel :

- *Analisi Progetto*
- *Analisi Progetto lungo x*
- *Analisi Progetto lungo y*
- *Armature (per le armature delle travi)*
- *Pilastri_edif (AG)*
- *DefMod2*

I file relativi al **Tel08** sono :

- *Telaio spaziale.txt*

Carichi sulle travi - Impalcato 1-2-3

ALLEGATO 1

Telaio	Campata	g _k	q _k	senza sisma	con sisma
1x	1-2	29.76	17.55	65.02	38.71
	2-3	29.76	17.55	61.47	38.71
	3-4	25.50	28.16	65.02	37.63
2x	5-6	14.12	2.00	21.36	14.72
	6-7	14.12	6.02	27.39	15.93
	7-8	14.12	6.02	27.39	15.93
3x	9-10	27.11	17.09	60.87	32.23
	10-11	27.11	17.09	60.87	32.23
	11-12	29.84	17.09	64.42	34.96
	12-13	24.21	9.24	45.33	28.96
	13-14	9.51	3.84	18.12	10.66
	14-15	9.51	3.84	18.12	10.66
	15-16	13.44	3.84	23.24	14.60
	17-18	20.50	5.00	34.15	22.00
4x	18-19	20.50	5.00	34.15	22.00
	19-20	20.50	5.00	34.15	22.00
	20-21	28.60	10.00	52.18	34.60
	21-22	14.12	3.20	23.16	15.08
	22-23	7.56	3.52	15.10	8.61
	23-24	7.56	3.52	15.10	8.61
5x	25-26	7.77	3.68	15.62	8.87
	26-27	9.30	3.68	17.61	10.76
	28-29	14.12	3.20	23.16	15.08
6x	29-30	14.12	3.20	23.16	15.08

Telaio	Campata	g _k	q _k	senza sisma	con sisma
1y	1-9	14.12	3.20	23.16	15.08
	9-17	8.66	3.20	23.16	15.08
2y	2-10	7.56	3.52	15.10	8.61
	10-18	7.56	3.52	15.10	8.61
3y	3-11	7.34	3.36	14.59	8.35
	11-19	8.87	3.36	16.57	9.88
4y	4-12	16.74	6.46	31.45	18.67
	12-20	9.09	3.52	31.45	10.14
5y	5-13	26.21	16.42	58.70	31.14
	13-21	14.23	7.39	29.58	21.62
6y	6-14	28.18	15.84	60.39	32.93
	14-22	26.34	16.51	59.01	31.29
	22-25	20.07	7.68	37.62	22.38
	25-28	20.07	7.68	37.62	22.38
7y	7-15	32.13	14.93	64.16	36.61
	15-23	29.40	18.82	66.44	35.04
	23-26	28.89	19.58	66.93	34.77
	26-29	30.42	19.58	68.92	36.30
8y	8-16	18.62	8.64	37.16	21.21
	16-24	19.82	8.64	38.72	22.41
	24-27	21.35	8.64	40.71	23.94
	27-30	21.35	8.64	40.71	23.94

Ψ ₂ SISMA	0.3
Ψ ₂ NEVE	0
Ψ ₂ SBALZOESCALA	0.6
Ψ ₂ COPERTURAHI	0

Telaio 1x piano tipo															
	L [m]	α	g _{1k} [kN/m]	g _{2k} [kN/m]	q _k [kN/m]	TOTALE g _k	TOTALE q _i	Y _g 1.3	Y _q 1.5	in assenza di sisma			in presenza di sisma		
										g _{1d} [kN/m]	q _{1d} [kN/m]	TOTALE	g _k [kN/m]	ψ ₂ q _k [kN/m]	TOTALE
campata 1-2															
Solaio	2.40	1.10	11.22		5.28	11.22	5.28			14.59	7.92	22.51	11.22	1.58	12.80
Tamponatura	0.50	1.00	2.73			2.73				3.55		3.55	2.73		2.73
Tamponatura	0.50	1.00	2.73			2.73				3.55		3.55	2.73		2.73
Sbalzo	1.70	1.20	8.67		12.27	8.67	12.27			11.27	18.41	29.68	8.67	7.36	16.03
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 2-3															
Solaio	2.40	1.10	11.22		5.28	11.22	5.28			14.59	7.92	22.51	11.22	1.58	12.80
Tamponatura	0.50	1.00	2.73		2.73	2.73				3.55		3.55	2.73		2.73
Tamponatura	0.50	1.00	2.73			2.73				3.55		3.55	2.73		2.73
Sbalzo	1.70	1.20	8.67		12.27	8.67	12.27			11.27	18.41	29.68	8.67	7.36	16.03
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 3-4															
Solaio (Sbalzo)	2.40	1.10	11.22		15.88	11.22	15.88			14.59	23.82	38.41	11.22	4.76	15.98
Tamponatura	0.50	1.00	2.73			2.73				3.55		3.55	2.73		2.73
Sbalzo	1.70	1.20	8.67		12.27	8.67	12.27			11.27		11.27	8.67	7.36	16.03
Peso proprio	.		2.88			2.88				3.74		3.74	2.88		2.88
Telaio 2x piano tipo															
	L [m]	α	g _{1k} [kN/m]	g _{2k} [kN/m]	q _k [kN/m]	TOTALE g _k	TOTALE q _i	1.3	1.5	g _{1d} [kN/m]	q _{1d} [kN/m]	TOTALE	g _k [kN/m]	ψ ₂ q _k [kN/m]	TOTALE
campata 5-6															
Solaio	1	1	4.25		2	4.25	2			5.53	3	8.525	4.25	0.6	4.85
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 6-7															
Sbalzo	1	1	4.25		6.02	4.25	6.02			5.53	9.02	14.55	4.25	1.80	6.05

Tamponatura	1	1	5.46		5.46		7.10		7.10	5.46		5.46
Peso proprio			4.41		4.41		5.73		5.73	4.41		4.41
campata 7-8												
Sbalzo	1	1	4.25		4.25	6.02		5.53	9.02	14.55	4.25	6.05
Tamponatura	1	1	5.46		5.46			7.10		7.10	5.46	5.46
Peso proprio			4.41		4.41			5.73		5.73	4.41	4.41

Telaio 3x piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 9-10															
Solaio	2.25	1.2	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Solaio	2.40	1.1	11.22	3.17	5.28	11.22	8.45			14.59	12.67	27.26	11.22	2.53	13.75
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 10-11															
Solaio	2.25	1.2	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Solaio	2.40	1.1	11.22	3.17	5.28	11.22	8.45			14.59	12.67	27.26	11.22	2.53	13.75
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 11-12															
Solaio	2.25	1.2	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Solaio	2.40	1.1	11.22	3.17	5.28	11.22	8.45			14.59	12.67	27.26	11.22	2.53	13.75
Tamponatura	0.50	1	2.73			2.73				3.55		3.55	2.73		2.73
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 12-13															
Solaio	0.75	1.1	3.51	0.99	1.65	3.51	2.64			4.56	3.96	8.52	3.51	0.79	4.30
Scala	1.50	1.1	12.36		6.60	12.36	6.60			16.07	9.90	25.97	12.36	3.96	16.32
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 13-14															
Solaio	0.50	1.2	2.55	0.72	1.20	2.55	1.92			3.32	2.88	6.20	2.55	0.58	3.13
Solaio	0.50	1.2	2.55	0.72	1.20	2.55	1.92			3.32	2.88	6.20	2.55	0.58	3.13
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 14-15															
Solaio	0.50	1.2	2.55	0.72	1.20	2.55	1.92			3.315	2.88	6.20	2.55	0.576	3.13
Solaio	0.50	1.2	2.55	0.72	1.20	2.55	1.92			3.315	2.88	6.20	2.55	0.576	3.13
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 15-16															
Solaio	0.50	1.2	2.55	0.72	1.20	2.55	1.92			3.315	2.88	6.195	2.55	0.576	3.126
Solaio	0.50	1.2	2.55	0.72	1.20	2.55	1.92			3.315	2.88	6.195	2.55	0.576	3.126
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46

Telaio 4x piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_i	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 17-18															
Solaio	2.50	1	10.63		5.00	10.63	5.00			13.81	7.50	21.31	10.63	1.50	12.13
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 18-19															
Solaio	2.50	1	10.63		5.00	10.63	5.00			13.81	7.50	21.31	10.63	1.50	12.13
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 19-20															
Solaio	2.50	1	10.63		5.00	10.63	5.00			13.81	7.50	21.31	10.63	1.50	12.13
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 20-21															
Scala	2.50	1	18.73		10.00	18.73	10.00			24.35	15.00	39.35	18.73	6.00	24.73
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46

Peso proprio			4.41			4.41		5.73		5.73	4.41		4.41
campata 21-22													
Solaio	1.00	1	4.25	1.20	2	4.25	3.20	5.53	4.8	10.33	4.25	0.96	5.21
Tamponatura	1.00	1	5.46			5.46		7.10		7.10	5.46		5.46
Peso proprio			4.41			4.41		5.73		5.73	4.41		4.41
campata 22-23													
Solaio	0.50	1.10	2.34	0.66	1.10	2.34	1.76	3.04	2.64	5.68	2.34	0.53	2.87
Solaio	0.50	1.10	2.34	0.66	1.10	2.34	1.76	3.04	2.64	5.68	2.34	0.53	2.87
Peso proprio			2.88			2.88		3.74		3.74	2.88		2.88
campata 23-24													
Solaio	0.50	1.10	2.34	0.66	1.10	2.34	1.76	3.04	2.64	5.68	2.34	0.528	2.87
Solaio	0.50	1.10	2.34	0.66	1.10	2.34	1.76	3.04	2.64	5.68	2.34	0.528	2.87
Peso proprio			2.88			2.88		3.74		3.74	2.88		2.88

Telaio 5x piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 25-26															
Solaio	0.5	1.2	2.55	0.72	1.20	2.55	1.92			3.32	2.88	6.20	2.55	0.58	3.13
Solaio	0.5	1.1	2.34	0.66	1.10	2.34	1.76			3.04	2.64	5.68	2.34	0.53	2.87
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 26-27															
Solaio	0.5	1.2	2.55	0.72	1.20	2.55	1.92			3.32	2.88	6.20	2.55	0.77	3.32
Solaio	0.5	1.1	2.34	0.66	1.10	2.34	1.76			3.04	2.64	5.68	2.34	0.70	3.04
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41

Telaio 6x piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 28-29															
Solaio	1	1	4.25	1.20	2.00	4.25	3.20			5.53	4.8	10.33	4.25	0.96	5.21
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 29-30															
Solaio	1	1	4.25	1.20	2.00	4.25	3.20			5.53	4.8	10.33	4.25	0.96	5.21
Tamponatura	1	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41

Telaio 1y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\Psi_2 q_k$ [kN/m]	TOTALE
campata 1-9															
Solaio	1	1	4.25	1.20	2.00	4.25	3.20			5.53	4.80	10.33	4.25	0.96	5.21
Tamponatura	1	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 9-17															
Solaio	1	1	4.25	1.20	2.00	4.25	3.20			5.53	4.80	10.33	4.25	0.96	5.21
Tamponatura	1	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41

Telaio 2y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\Psi_2 q_k$ [kN/m]	TOTALE
campata 2-10															
Solaio	0.5	1.2	2.55	0.72	1.20	2.55	1.92			3.315	2.88	6.20	2.55	0.58	3.13
Solaio	0.5	1	2.13	0.6	1.00	2.13	1.60			2.76	2.4	5.16	2.13	0.48	2.61
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 10-18															
Solaio	0.5	1.2	2.55	0.72	1.20	2.55	1.92			3.32	2.88	6.20	2.55	0.58	3.13
Solaio	0.5	1	2.13	0.60	1.00	2.13	1.60			2.76	2.40	5.16	2.13	0.48	2.61
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88

Telaio 3y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 3-11	Solaio	0.5	1	2.13	0.6	1	2.13	1.6		2.76	2.4	5.16	2.13	0.48	2.61
	Solaio	0.5	1.1	2.34	0.66	1.1	2.34	1.76		3.04	2.64	5.68	2.34	0.528	2.87
	Peso proprio			2.88			2.88			3.74		3.74	2.88		2.88
campata 11-19	Solaio	0.5	1	2.13	0.6	1	2.13	1.6		2.76	2.4	5.16	2.13	0.48	2.61
	Solaio	0.5	1.1	2.34	0.66	1.1	2.34	1.76		3.04	2.64	5.68	2.34	0.528	2.87
	Peso proprio			4.41			4.41			5.733		5.73	4.41		4.41
Telaio 4y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 4-12	Solaio	0.5	1.1	2.34	0.66	1.10	2.34	1.76		3.04	2.64	5.68	2.34	0.53	2.87
	Solaio	2.35	1	9.99		4.70	9.99	4.70		12.98	7.05	20.03	9.99	1.41	11.40
	Peso proprio			4.41			4.41			5.73		5.73	4.41		4.41
campata 12-20	Solaio	1	1.1	4.68	1.32	2.20	4.68	3.52		6.08	5.28	11.36	4.68	1.06	5.73
	Peso proprio			4.41			4.41			5.73		5.73	4.41		4.41
Telaio 5y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 5-13	Solaio	2.35	1.2	11.99	3.38	5.64	11.99	9.02		15.58	13.54	29.12	11.99	2.71	14.69
	Solaio	2.10	1.1	9.82	2.77	4.62	9.82	7.39		12.76	11.09	23.85	9.82	2.22	12.04
	Peso proprio			4.41			4.41			5.73		5.73	4.41		4.41
campata 13-21	Solaio	2.10	1.1	9.82	2.77	4.62	9.82	7.39		12.76	11.09	23.85	9.82	7.39	17.21
	Peso proprio			4.41			4.41			5.73		5.73	4.41		4.41
Telaio 6y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 6-14	Solaio	2.1	1.1	9.82	2.77	4.62	9.82	7.39		12.76	11.09	23.85	9.82	2.22	12.04
	Solaio	2.4	1.1	11.22	3.17	5.28	11.22	8.45		14.59	12.67	27.26	11.22	2.53	13.75
	Tamponatura	0.5	1	2.73			2.73			3.55		3.55	2.73		2.73
	Peso proprio			4.41			4.41			5.73		5.73	4.41		4.41
campata 14-22	Solaio	2.1	1.2	10.71	3.02	5.04	10.71	8.06		13.92	12.10	26.02	10.71	2.42	13.13
	Solaio	2.4	1.1	11.22	3.17	5.28	11.22	8.45		14.59	12.67	27.26	11.22	2.53	13.75
	Peso proprio			4.41			4.41			5.73		5.73	4.41		4.41
campata 22-25	Solaio	2.4	1	10.20	2.88	4.80	10.20	7.68		13.26	11.52	24.78	10.20	2.30	12.50
	Tamponatura	1	1	5.46			5.46			7.10		7.10	5.46		5.46
	Peso proprio			4.41			4.41			5.73		5.73	4.41		4.41
campata 25-28	Solaio	2.4	1	10.20	2.88	4.80	10.20	7.68		13.26	11.52	24.78	10.2	2.304	12.50
	Tamponatura	1	1	5.46			5.46			7.10		7.10	5.46		5.46
	Peso proprio			4.41			4.41			5.73		5.73	4.41		4.41
Telaio 7y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 7-15	Solaio	2.4	1.1	11.22	3.17	5.28	11.22	8.45		14.59	12.67	27.26	11.22	2.53	13.75
	Solaio	2.7	1.2	13.77		6.48	13.77	6.48		17.90	9.72	27.62	13.77	1.94	15.71
	Tamponatura	0.5	1	2.73			2.73			3.55		3.55	2.73		2.73

Peso proprio			4.41			4.41			5.73		5.73	4.41		4.41	
campata 15-23															
Solaio	2.4	1.1	11.22	3.17	5.28	11.22	8.45		14.59	12.67	27.26	11.22	2.53	13.75	
Solaio	2.7	1.2	13.77	3.89	6.48	13.77	10.37		17.90	15.55	33.45	13.77	3.11	16.88	
Peso proprio			4.41			4.41			5.73		5.73	4.41		4.41	
campata 23-26															
Solaio	2.4	1.2	12.24	3.46	5.76	12.24	9.22		15.91	13.82	29.74	12.24	2.76	15.00	
Solaio	2.7	1.2	13.77	3.89	6.48	13.77	10.37		17.90	15.55	33.45	13.77	3.11	16.88	
Peso proprio			2.88			2.88			3.74		3.74	2.88		2.88	
campata 26-29															
Solaio	2.4	1.2	12.24	3.46	5.76	12.24	9.22		15.91	13.82	29.74	12.24	2.76	15.00	
Solaio	2.7	1.2	13.77	3.89	6.48	13.77	10.37		17.90	15.55	33.45	13.77	3.11	16.88	
Peso proprio			4.41			4.41			5.73		5.73	4.41	0.00	4.41	
Telaio 8y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 8-16															
Solaio	2.7	1	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Tamponatura	0.5	1	2.73			2.73				3.55		3.55	2.73		2.73
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 16-24															
Solaio	2.7	1	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Tamponatura	1	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 24-27															
Solaio	2.7	1	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Tamponatura	1	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 27-30															
Solaio	2.7	1	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Tamponatura	1	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41

Carichi sulle travi - Impalcato 4-5

Telaio	Campata	g _k	q _k	senza sisma	con sisma
1x	1-2	29.01	17.55	64.05	37.96
	2-3	29.01	17.55	60.50	37.96
	3-4	25.50	28.16	64.05	37.63
2x	5-6	13.37	2.00	20.39	13.97
	6-7	13.37	6.02	26.41	15.18
	7-8	13.37	6.02	26.41	15.18
3x	9-10	26.36	17.09	59.89	31.48
	10-11	26.36	17.09	59.89	31.48
	11-12	29.09	17.09	63.45	34.21
	12-13	24.21	9.24	45.33	28.96
	13-14	8.76	3.84	17.15	9.91
	14-15	8.76	3.84	17.15	9.91
	15-16	13.44	3.84	23.24	14.60
	17-18	19.75	5.00	33.17	21.25
4x	18-19	19.75	5.00	33.17	21.25
	19-20	19.75	5.00	33.17	21.25
	20-21	27.85	10.00	51.21	33.85
	21-22	13.37	3.20	22.19	14.33
	22-23	7.56	3.52	15.10	8.61
	23-24	7.56	3.52	15.10	8.61
5x	25-26	7.77	3.68	15.62	8.87
	26-27	8.55	3.68	16.63	10.01
6x	28-29	13.37	3.20	22.19	14.33
	29-30	13.37	3.20	22.19	14.33

Telaio	Campata	g _k	q _k	senza sisma	con sisma
1y	1-9	13.37	3.20	22.19	14.33
	9-17	7.91	3.20	22.19	14.33
	2-10	7.56	3.52	15.10	8.61
2y	10-18	7.56	3.52	15.10	8.61
	3-11	7.34	3.36	14.59	8.35
	11-19	8.12	3.36	15.60	9.13
3y	4-12	15.99	6.46	30.47	17.92
	12-20	8.34	3.52	30.47	9.39
	5-13	25.46	16.42	57.73	30.39
4y	13-21	13.48	7.39	28.61	20.87
	6-14	27.43	15.84	59.42	32.18
	14-22	25.59	16.51	58.04	30.54
5y	22-25	19.32	7.68	36.64	21.63
	25-28	19.32	7.68	36.64	21.63
	7-15	31.38	14.93	63.19	35.86
6y	15-23	28.65	18.82	65.47	34.29
	23-26	28.89	19.58	66.93	34.77
	26-29	29.67	19.58	67.95	35.55
7y	8-16	17.87	8.64	36.19	20.46
	16-24	19.82	8.64	38.72	22.41
	24-27	20.60	8.64	39.74	23.19
8y	27-30	20.60	8.64	39.74	23.19

Ψ ₂ SISMA	0.3
Ψ ₂ NEVE	0
Ψ ₂ SBALZOESCALA	0.6
Ψ ₂ COPERTURAHI	0

Telaio 1x piano tipo															
	L [m]	α	g _{1k} [kN/m]	g _{2k} [kN/m]	q _k [kN/m]	TOTALE g _k	TOTALE q _i	γ _g 1.3	γ _q 1.5	in assenza di sisma			in presenza di sisma		
										g _{1d} [kN/m]	q _{1d} [kN/m]	TOTALE	g _k [kN/m]	ψ ₂ q _k [kN/m]	TOTALE
campata 1-2															
Solaio	2.40	1.10	11.22		5.28	11.22	5.28			14.59	7.92	22.51	11.22	1.58	12.80
Tamponatura	0.50	1.00	2.73			2.73				3.55		3.55	2.73		2.73
Tamponatura	0.50	1.00	2.73			2.73				3.55		3.55	2.73		2.73
Sbalzo	1.70	1.20	8.67		12.27	8.67	12.27			11.27	18.41	29.68	8.67	7.36	16.03
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 2-3															
Solaio	2.40	1.10	11.22		5.28	11.22	5.28			14.59	7.92	22.51	11.22	1.58	12.80
Tamponatura	0.50	1.00	2.73		2.73	2.73				3.55		3.55	2.73		2.73
Tamponatura	0.50	1.00	2.73			2.73				3.55		3.55	2.73		2.73
Sbalzo	1.70	1.20	8.67		12.27	8.67	12.27			11.27	18.41	29.68	8.67	7.36	16.03
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 3-4															
Solaio (Sbalzo)	2.40	1.10	11.22		15.88	11.22	15.88			14.59	23.82	38.41	11.22	4.76	15.98
Tamponatura	0.50	1.00	2.73			2.73				3.55		3.55	2.73		2.73
Sbalzo	1.70	1.20	8.67		12.27	8.67	12.27			11.27		11.27	8.67	7.36	16.03
Peso proprio	.		2.88			2.88				3.74		3.74	2.88		2.88
Telaio 2x piano tipo															
	L [m]	α	g _{1k} [kN/m]	g _{2k} [kN/m]	q _k [kN/m]	TOTALE g _k	TOTALE q _i	1.3	1.5	g _{1d} [kN/m]	q _{1d} [kN/m]	TOTALE	g _k [kN/m]	ψ ₂ q _k [kN/m]	TOTALE
campata 5-6															
Solaio	1	1	4.25		2	4.25	2			5.53	3	8.525	4.25	0.6	4.85
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 6-7															
Sbalzo	1	1	4.25		6.02	4.25	6.02			5.53	9.02	14.55	4.25	1.80	6.05

Tamponatura	1	1	5.46			5.46			7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66			4.76		4.76	3.66		3.66
campata 7-8														
Sbalzo	1	1	4.25		6.02	4.25	6.02		5.53	9.02	14.55	4.25	1.80	6.05
Tamponatura	1	1	5.46			5.46			7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66			4.76		4.76	3.66		3.66

Telaio 3x piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\Psi_2 q_k$ [kN/m]	TOTALE
campata 9-10															
Solaio	2.25	1.2	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Solaio	2.40	1.1	11.22	3.17	5.28	11.22	8.45			14.59	12.67	27.26	11.22	2.53	13.75
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 10-11															
Solaio	2.25	1.2	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Solaio	2.40	1.1	11.22	3.17	5.28	11.22	8.45			14.59	12.67	27.26	11.22	2.53	13.75
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 11-12															
Solaio	2.25	1.2	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Solaio	2.40	1.1	11.22	3.17	5.28	11.22	8.45			14.59	12.67	27.26	11.22	2.53	13.75
Tamponatura	0.50	1	2.73			2.73				3.55		3.55	2.73		2.73
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 12-13															
Solaio	0.75	1.1	3.51	0.99	1.65	3.51	2.64			4.56	3.96	8.52	3.51	0.79	4.30
Scala	1.50	1.1	12.36		6.60	12.36	6.60			16.07	9.90	25.97	12.36	3.96	16.32
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 13-14															
Solaio	0.50	1.2	2.55	0.72	1.20	2.55	1.92			3.32	2.88	6.20	2.55	0.58	3.13
Solaio	0.50	1.2	2.55	0.72	1.20	2.55	1.92			3.32	2.88	6.20	2.55	0.58	3.13
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 14-15															
Solaio	0.50	1.2	2.55	0.72	1.20	2.55	1.92			3.315	2.88	6.20	2.55	0.576	3.13
Solaio	0.50	1.2	2.55	0.72	1.20	2.55	1.92			3.315	2.88	6.20	2.55	0.576	3.13
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 15-16															
Solaio	0.50	1.2	2.55	0.72	1.20	2.55	1.92			3.315	2.88	6.195	2.55	0.576	3.126
Solaio	0.50	1.2	2.55	0.72	1.20	2.55	1.92			3.315	2.88	6.195	2.55	0.576	3.126
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46

Telaio 4x piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 17-18															
Solaio	2.50	1	10.63		5.00	10.63	5.00			13.81	7.50	21.31	10.63	1.50	12.13
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 18-19															
Solaio	2.50	1	10.63		5.00	10.63	5.00			13.81	7.50	21.31	10.63	1.50	12.13
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 19-20															
Solaio	2.50	1	10.63		5.00	10.63	5.00			13.81	7.50	21.31	10.63	1.50	12.13
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 20-21															
Scala	2.50	1	18.73		10.00	18.73	10.00			24.35	15.00	39.35	18.73	6.00	24.73
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46

Peso proprio			3.66			3.66		4.76		4.76	3.66		3.66
campata 21-22													
Solaio	1.00	1	4.25	1.20	2	4.25	3.20	5.53	4.8	10.33	4.25	0.96	5.21
Tamponatura	1.00	1	5.46			5.46		7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66		4.76		4.76	3.66		3.66
campata 22-23													
Solaio	0.50	1.10	2.34	0.66	1.10	2.34	1.76	3.04	2.64	5.68	2.34	0.53	2.87
Solaio	0.50	1.10	2.34	0.66	1.10	2.34	1.76	3.04	2.64	5.68	2.34	0.53	2.87
Peso proprio			2.88			2.88		3.74		3.74	2.88		2.88
campata 23-24													
Solaio	0.50	1.10	2.34	0.66	1.10	2.34	1.76	3.04	2.64	5.68	2.34	0.528	2.87
Solaio	0.50	1.10	2.34	0.66	1.10	2.34	1.76	3.04	2.64	5.68	2.34	0.528	2.87
Peso proprio			2.88			2.88		3.74		3.74	2.88		2.88

Telaio 5x piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 25-26															
Solaio	0.5	1.2	2.55	0.72	1.20	2.55	1.92			3.32	2.88	6.20	2.55	0.58	3.13
Solaio	0.5	1.1	2.34	0.66	1.10	2.34	1.76			3.04	2.64	5.68	2.34	0.53	2.87
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 26-27															
Solaio	0.5	1.2	2.55	0.72	1.20	2.55	1.92			3.32	2.88	6.20	2.55	0.77	3.32
Solaio	0.5	1.1	2.34	0.66	1.10	2.34	1.76			3.04	2.64	5.68	2.34	0.70	3.04
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66

Telaio 6x piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 28-29															
Solaio	1	1	4.25	1.20	2.00	4.25	3.20			5.53	4.8	10.33	4.25	0.96	5.21
Tamponatura	1.00	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 29-30															
Solaio	1	1	4.25	1.20	2.00	4.25	3.20			5.53	4.8	10.33	4.25	0.96	5.21
Tamponatura	1	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66

Telaio 1y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 1-9															
Solaio	1	1	4.25	1.20	2.00	4.25	3.20			5.53	4.80	10.33	4.25	0.96	5.21
Tamponatura	1	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 9-17															
Solaio	1	1	4.25	1.20	2.00	4.25	3.20			5.53	4.80	10.33	4.25	0.96	5.21
Tamponatura	1	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66

Telaio 2y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 2-10															
Solaio	0.5	1.2	2.55	0.72	1.20	2.55	1.92			3.315	2.88	6.20	2.55	0.58	3.13
Solaio	0.5	1	2.13	0.6	1.00	2.13	1.60			2.76	2.4	5.16	2.13	0.48	2.61
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 10-18															
Solaio	0.5	1.2	2.55	0.72	1.20	2.55	1.92			3.32	2.88	6.20	2.55	0.58	3.13
Solaio	0.5	1	2.13	0.60	1.00	2.13	1.60			2.76	2.40	5.16	2.13	0.48	2.61
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88

Telaio 3y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 3-11															
	Solaio	0.5	1	2.13	0.6	1	2.13	1.6		2.76	2.4	5.16	2.13	0.48	2.61
	Solaio	0.5	1.1	2.34	0.66	1.1	2.34	1.76		3.04	2.64	5.68	2.34	0.528	2.87
	Peso proprio			2.88			2.88			3.74		3.74	2.88		2.88
campata 11-19															
	Solaio	0.5	1	2.13	0.6	1	2.13	1.6		2.76	2.4	5.16	2.13	0.48	2.61
	Solaio	0.5	1.1	2.34	0.66	1.1	2.34	1.76		3.04	2.64	5.68	2.34	0.528	2.87
	Peso proprio			3.66			3.66			4.758		4.76	3.66		3.66
Telaio 4y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 4-12															
	Solaio	0.5	1.1	2.34	0.66	1.10	2.34	1.76		3.04	2.64	5.68	2.34	0.53	2.87
	Solaio	2.35	1	9.99		4.70	9.99	4.70		12.98	7.05	20.03	9.99	1.41	11.40
	Peso proprio			3.66			3.66			4.76		4.76	3.66		3.66
campata 12-20															
	Solaio	1	1.1	4.68	1.32	2.20	4.68	3.52		6.08	5.28	11.36	4.68	1.06	5.73
	Peso proprio			3.66			3.66			4.76		4.76	3.66		3.66
Telaio 5y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 5-13															
	Solaio	2.35	1.2	11.99	3.38	5.64	11.99	9.02		15.58	13.54	29.12	11.99	2.71	14.69
	Solaio	2.10	1.1	9.82	2.77	4.62	9.82	7.39		12.76	11.09	23.85	9.82	2.22	12.04
	Peso proprio			3.66			3.66			4.76		4.76	3.66		3.66
campata 13-21															
	Solaio	2.10	1.1	9.82	2.77	4.62	9.82	7.39		12.76	11.09	23.85	9.82	7.39	17.21
	Peso proprio			3.66			3.66			4.76		4.76	3.66		3.66
Telaio 6y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 6-14															
	Solaio	2.1	1.1	9.82	2.77	4.62	9.82	7.39		12.76	11.09	23.85	9.82	2.22	12.04
	Solaio	2.4	1.1	11.22	3.17	5.28	11.22	8.45		14.59	12.67	27.26	11.22	2.53	13.75
	Tamponatura	0.5	1	2.73			2.73			3.55		3.55	2.73		2.73
	Peso proprio			3.66			3.66			4.76		4.76	3.66		3.66
campata 14-22															
	Solaio	2.1	1.2	10.71	3.02	5.04	10.71	8.06		13.92	12.10	26.02	10.71	2.42	13.13
	Solaio	2.4	1.1	11.22	3.17	5.28	11.22	8.45		14.59	12.67	27.26	11.22	2.53	13.75
	Peso proprio			3.66			3.66			4.76		4.76	3.66		3.66
campata 22-25															
	Solaio	2.4	1	10.20	2.88	4.80	10.20	7.68		13.26	11.52	24.78	10.20	2.30	12.50
	Tamponatura	1	1	5.46			5.46			7.10		7.10	5.46		5.46
campata 25-28															
	Peso proprio			3.66			3.66			4.76		4.76	3.66		3.66
	Solaio	2.4	1	10.20	2.88	4.80	10.20	7.68		13.26	11.52	24.78	10.2	2.304	12.50
Tamponatura	1	1	5.46			5.46			7.10		7.10	5.46		5.46	
Peso proprio			3.66			3.66			4.76		4.76	3.66		3.66	
Telaio 7y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 7-15															
	Solaio	2.4	1.1	11.22	3.17	5.28	11.22	8.45		14.59	12.67	27.26	11.22	2.53	13.75
	Solaio	2.7	1.2	13.77		6.48	13.77	6.48		17.90	9.72	27.62	13.77	1.94	15.71
	Tamponatura	0.5	1	2.73			2.73			3.55		3.55	2.73		2.73

Peso proprio			3.66			3.66			4.76		4.76	3.66		3.66	
campata 15-23															
Solaio	2.4	1.1	11.22	3.17	5.28	11.22	8.45		14.59	12.67	27.26	11.22	2.53	13.75	
Solaio	2.7	1.2	13.77	3.89	6.48	13.77	10.37		17.90	15.55	33.45	13.77	3.11	16.88	
Peso proprio			3.66			3.66			4.76		4.76	3.66		3.66	
campata 23-26															
Solaio	2.4	1.2	12.24	3.46	5.76	12.24	9.22		15.91	13.82	29.74	12.24	2.76	15.00	
Solaio	2.7	1.2	13.77	3.89	6.48	13.77	10.37		17.90	15.55	33.45	13.77	3.11	16.88	
Peso proprio			2.88			2.88			3.74		3.74	2.88		2.88	
campata 26-29															
Solaio	2.4	1.2	12.24	3.46	5.76	12.24	9.22		15.91	13.82	29.74	12.24	2.76	15.00	
Solaio	2.7	1.2	13.77	3.89	6.48	13.77	10.37		17.90	15.55	33.45	13.77	3.11	16.88	
Peso proprio			3.66			3.66			4.76		4.76	3.66	0.00	3.66	
Telaio 8y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 8-16															
Solaio	2.7	1	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Tamponatura	0.5	1	2.73			2.73				3.55		3.55	2.73		2.73
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 16-24															
Solaio	2.7	1	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Tamponatura	1	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 24-27															
Solaio	2.7	1	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Tamponatura	1	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66
campata 27-30															
Solaio	2.7	1	11.48	3.24	5.40	11.48	8.64			14.92	12.96	27.88	11.48	2.59	14.07
Tamponatura	1	1	5.46			5.46				7.10		7.10	5.46		5.46
Peso proprio			3.66			3.66				4.76		4.76	3.66		3.66

Carichi sulle travi - Impalcato 6

Telaio	Campata	g _k	q _k	senza sisma	con sisma
1x	1-2	16.17	7.00	31.52	16.38
	2-3	16.17	7.00	31.52	16.17
	3-4	16.17	7.00	31.52	16.38
2x	5-6	8.02	2.52	14.43	8.02
	6-7	8.02	2.52	14.43	8.02
	7-8	8.02	2.52	14.43	8.02
3x	9-10	24.08	13.44	51.46	24.08
	10-11	24.08	13.44	51.46	24.08
	11-12	24.08	13.44	51.46	24.08
	12-13	12.71	6.23	25.86	12.71
	13-14	7.64	3.02	14.47	7.64
	14-15	7.64	3.02	14.47	7.64
	15-16	7.64	3.02	14.47	7.64
	17-18	13.98	6.29	27.83	13.98
	18-19	13.98	6.29	27.83	13.98
	19-20	13.98	6.29	27.83	13.98
	20-21	13.98	6.29	27.83	13.98
	21-22	8.02	2.52	14.20	8.02
	22-23	7.25	2.77	13.57	7.25
	23-24	7.25	2.77	13.57	7.25
5x	25-26	7.45	2.89	14.02	7.45
	26-27	7.45	2.89	14.02	7.45
	28-29	8.02	2.52	14.43	8.02
6x	29-30	8.02	2.52	14.43	8.02

Telaio	Campata	g _k	q _k	senza sisma	con sisma
1y	1-9	10.75	2.52	17.75	11.50
	9-17	6.85	2.52	17.75	11.50
	2-10	7.25	2.77	13.57	7.25
2y	10-18	7.25	2.77	13.57	7.25
	3-11	7.05	2.64	13.13	7.05
	11-19	7.05	2.64	13.13	7.05
3y	4-12	14.39	7.30	29.66	14.39
	12-20	7.25	2.77	29.66	7.25
	5-13	23.25	12.91	49.58	23.25
4y	13-21	12.05	5.81	24.39	12.05
	6-14	22.53	12.46	47.97	22.53
	14-22	24.90	12.98	51.84	24.90
5y	22-25	13.58	6.04	26.94	13.58
	25-28	13.58	6.04	26.94	13.58
	7-15	27.75	14.80	58.27	27.75
6y	15-23	26.22	14.80	56.28	26.22
	23-26	27.18	15.40	58.43	27.18
	26-29	28.71	15.40	60.42	28.71
7y	8-16	14.79	6.79	29.64	14.79
	16-24	14.77	6.79	29.62	14.77
	24-27	14.77	6.79	29.62	14.77
8y	27-30	14.77	6.79	29.62	14.77

Ψ ₂ SISMA	0.3
Ψ ₂ NEVE	0
Ψ ₂ SBALZOESCALA	0.6
Ψ ₂ COPERTURAHI	0

Telaio 1x piano tipo													
	L [m]	α	g _{1k} [kN/m]	g _{2k} [kN/m]	q _k [kN/m]	TOTALE g _k	TOTALE q _k	γ _g 1.3	γ _q 1.5	in assenza di sisma		in presenza di sisma	
										g _{1d} [kN/m]	q _{1d} [kN/m]	TOTALE	g _k [kN/m]
												Ψ ₂ q _k [kN/m]	TOTALE
campata 1-2													
Copertura	2.40	1.10	10.48		6.64	10.48	6.64			13.63	9.96	23.59	10.48
Cornicione	0.60	1.20	2.81		0.36	2.81	0.36			3.65	0.54	4.19	2.81
Peso proprio			2.88			2.88				3.74		3.74	2.88
campata 2-3													
Copertura	2.40	1.10	10.48		6.64	10.48	6.64			13.63	9.96	23.59	10.48
Cornicione	0.60	1.20	2.81		0.36	2.81	0.36			3.65	0.54	4.19	2.81
Peso proprio			2.88			2.88				3.74		3.74	2.88
campata 3-4													
Copertura	2.40	1.10	10.48		6.64	10.48	6.64			13.63	9.96	23.59	10.48
Copertura	0.60	1.20	2.81		0.36	2.81	0.36			3.65		3.65	2.81
Peso proprio	.		2.88			2.88				3.74		3.74	2.88
Telaio 2x piano tipo													
	L [m]	α	g _{1k} [kN/m]	g _{2k} [kN/m]	q _k [kN/m]	TOTALE g _k	TOTALE q _k	1.3	1.5	g _{1d} [kN/m]	q _{1d} [kN/m]	TOTALE	g _k [kN/m]
												Ψ ₂ q _k [kN/m]	TOTALE
campata 5-6													
Copertura	1	1	3.97		2.52	3.97	2.52			5.16	3.77	8.94	3.97
Cornicione	0.30	1	1.17		0.15	1.17	0.15			1.52	0.23	1.75	1.17
Peso proprio			2.88			2.88				3.74		3.74	2.88
campata 6-7													
Copertura	1	1	3.97		2.52	3.97	2.52			5.16	3.77	8.94	3.97

Cornicione	0.30	1	1.17	0.15	1.17	0.15	1.52	0.23	1.75	1.17	0.00	1.17
Peso proprio			2.88		2.88		3.74		3.74	2.88		2.88
campata 7-8												
Copertura	1	1	3.97	2.52	3.97	2.52	5.16	3.77	8.94	3.97	0.00	3.97
Cornicione	0.3	1	1.17	0.15	1.17	0.15	1.52	0.23	1.75	1.17	0.00	1.17
Peso proprio			2.88		2.88		3.74		3.74	2.88		2.88

Telaio 3x piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 9-10															
Copertura	2.25	1.2	10.72		6.79	10.72	6.79			13.93	10.19	24.13	10.72	0.00	10.72
Copertura	2.40	1.1	10.48		6.64	10.48	6.64			13.63	9.96	23.59	10.48	0.00	10.48
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 10-11															
Copertura	2.25	1.2	10.72		6.79	10.72	6.79			13.93	10.19	24.13	10.72	0.00	10.72
Copertura	2.40	1.1	10.48		6.64	10.48	6.64			13.63	9.96	23.59	10.48	0.00	10.48
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 11-12															
Copertura	2.25	1.2	10.72		6.79	10.72	6.79			13.93	10.19	24.13	10.72	0.00	10.72
Copertura	2.40	1.1	10.48		6.64	10.48	6.64			13.63	9.96	23.59	10.48	0.00	10.48
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 12-13															
Copertura	0.75	1.1	3.28		2.08	3.28	2.08			4.26	3.11	7.37	3.28	0.00	3.28
Copertura	1.50	1.1	6.55		4.15	6.55	4.15			8.52	6.23	14.74	6.55	0.00	6.55
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 13-14															
Copertura	0.50	1.2	2.38		1.51	2.38	1.51			3.10	2.26	5.36	2.38	0.00	2.38
Copertura	0.50	1.2	2.38		1.51	2.38	1.51			3.10	2.26	5.36	2.38	0.00	2.38
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 14-15															
Copertura	0.50	1.2	2.38		1.51	2.38	1.51			3.10	2.26	5.36	2.38	0.00	2.38
Copertura	0.50	1.2	2.38		1.51	2.38	1.51			3.10	2.26	5.36	2.38	0.00	2.38
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 15-16															
Copertura	0.50	1.20	2.38		1.51	2.38	1.51			3.10	2.26	5.36	2.38	0.00	2.38
Copertura	0.50	1.20	2.38		1.51	2.38	1.51			3.10	2.26	5.36	2.38	0.00	2.38
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88

Telaio 4x piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 17-18															
Copertura	2.50	1	9.93		6.29	9.93	6.29			12.90	9.44	22.34	9.93	0.00	9.93
Cornicione	0.30	1	1.17		0.15	1.17	0.15			1.52	0.23	1.75	1.17	0.00	1.17
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 18-19															
Copertura	2.50	1	9.93		6.29	9.93	6.29			12.90	9.44	22.34	9.93	0.00	9.93
Cornicione	0.30	1	1.17		0.15	1.17	0.15			1.52	0.23	1.75	1.17	0.00	1.17
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 19-20															
Copertura	2.50	1	9.93		6.29	9.93	6.29			12.90	9.44	22.34	9.93	0.00	9.93
Cornicione	0.30	1	1.17		0.15	1.17	0.15			1.52	0.23	1.75	1.17	0.00	1.17
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 20-21															
Copertura	2.50	1	9.93		6.29	9.93	6.29			12.90	9.44	22.34	9.93	0.00	9.93
Cornicione	0.30	1	1.17		0.15	1.17	0.15			1.52	0.23	1.75	1.17	0.00	1.17

Peso proprio			2.88			2.88			3.74		3.74	2.88		2.88
campata 21-22														
Copertura	1.00	1.00	3.97	2.52		3.97	2.52		5.16	3.77	8.94	3.97	0.00	3.97
Cornicione	0.30	1.00	1.17	0.15		1.17	0.15		1.52	0.23	1.52	1.17	0.00	1.17
Peso proprio			2.88			2.88			3.74		3.74	2.88		2.88
campata 22-23														
Copertura	0.50	1.10	2.18	1.38		2.18	1.38		2.84	2.08	4.91	2.18	0.00	2.18
Copertura	0.50	1.10	2.18	1.38		2.18	1.38		2.84	2.08	4.91	2.18	0.00	2.18
Peso proprio			2.88			2.88			3.74		3.74	2.88		2.88
campata 23-24														
Copertura	0.50	1.10	2.18	1.38		2.18	1.38		2.84	2.08	4.91	2.18	0.00	2.18
Copertura	0.50	1.10	2.18	1.38		2.18	1.38		2.84	2.08	4.91	2.18	0.00	2.18
Peso proprio			2.88			2.88			3.74		3.74	2.88		2.88

Telaio 5x piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 25-26															
Copertura	0.5	1.20	2.38		1.51	2.38	1.51			3.10	2.26	5.36	2.38	0.00	2.38
Copertura	0.5	1.10	2.18		1.38	2.18	1.38			2.84	2.08	4.91	2.18	0.00	2.18
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 26-27															
Copertura	0.5	1.20	2.38		1.51	2.38	1.51			3.10	2.26	5.36	2.38	0.00	2.38
Copertura	0.5	1.10	2.18		1.38	2.18	1.38			2.84	2.08	4.91	2.18	0.00	2.18
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88

Telaio 6x piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 28-29															
Copertura	1	1	3.97		2.52	3.97	2.52			5.16	3.77	8.94	3.97	0.00	3.97
Cornicione	0.30	1	1.17		0.15	1.17	0.15			1.52	0.23	1.75	1.17	0.00	1.17
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 29-30															
Copertura	1	1	3.97		2.52	3.97	2.52			5.16	3.77	8.94	3.97	0.00	3.97
Cornicione	0.3	1	1.17		0.15	1.17	0.15			1.52	0.23	1.75	1.17	0.00	1.17
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88

Telaio 1y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 1-9															
Copertura	1	1	3.97		2.52	3.97	2.52			5.16	3.77	8.94	3.97	0.75	4.72
Cornicione	0.3	1	3.90		0.15	3.90	0.15			5.07	0.23	5.07	3.90	0	3.90
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 9-17															
Copertura	1	1	3.97		2.52	3.97	2.52			5.16	3.77	8.94	3.97	0.75	4.72
Cornicione	0.3	1	3.90		0.15	3.90	0.15			5.07	0.23	5.07	3.90	0.00	3.90
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88

Telaio 2y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 2-10															
Copertura	0.5	1.2	2.382		1.51	2.382	1.51			3.0966	2.264702302	5.36	2.38	0.00	2.38
Copertura	0.5	1	1.99		1.26	1.99	1.26			2.58	1.887251918	4.47	1.99	0.00	1.99
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 10-18															
Copertura	0.5	1.2	2.38		1.51	2.38	1.51			3.10	2.26	5.36	2.38	0.00	2.38
Copertura	0.5	1	1.99		1.26	1.99	1.26			2.58	1.89	4.47	1.99	0.00	1.99
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88

Telaio 3y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_i	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 3-11															
	Copertura	0.5	1	1.99		1.258167945	1.99	1.258168		2.58	1.887251918	4.47	1.99	0	1.99
	Copertura	0.5	1.1	2.18		1.38398474	2.18	1.383985		2.84	2.07597711	4.91	2.18	0	2.18
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 11-19															
	Copertura	0.5	1	1.99		1.258167945	1.99	1.258168		2.58	1.887251918	4.47	1.99	0	1.99
	Copertura	0.5	1.1	2.18		1.38398474	2.18	1.383985		2.84	2.07597711	4.91	2.18	0	2.18
Peso proprio			2.88			2.88				3.744		3.74	2.88		2.88
Telaio 4y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_i	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 4-12															
	Copertura	0.5	1.1	2.18		1.38	2.18	1.38		2.84	2.08	4.91	2.18	0.00	2.18
	Copertura	2.35	1	9.33		5.91	9.33	5.91		12.13	8.870084015	21.00	9.33	0	9.33
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 12-20															
	Copertura	1	1.1	4.37		2.77	4.37	2.77		5.68	4.15195422	9.83	4.37	0.00	4.37
	Peso proprio			2.88			2.88			3.74		3.74	2.88		2.88
Telaio 5y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_i	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 5-13															
	Copertura	2.35	1.2	11.20		7.10	11.20	7.10		14.55	10.64	25.20	11.20	0.00	11.20
	Copertura	2.10	1.1	9.17		5.81	9.17	5.81		11.92	8.72	20.64	9.17	0.00	9.17
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 13-21															
	Copertura	2.10	1.1	9.17		5.81	9.17	5.81		11.92	8.72	20.64	9.17	0.00	9.17
	Peso proprio			2.88			2.88			3.74		3.74	2.88		2.88
Telaio 6y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_i	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 6-14															
	Copertura	2.1	1.1	9.17		5.81	9.17	5.81		11.92	8.72	20.64	9.17	0.00	9.17
	Copertura	2.4	1.1	10.4808		6.64	10.4808	6.64		13.63	9.96	23.59	10.48	0.00	10.48
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 14-22															
	Copertura	2.1	1.2	10.0044		6.34	10.0044	6.34		13.01	9.51	22.52	10.0044	0.00	10.00
	Copertura	2.4	1.1	10.4808		6.64	10.4808	6.64		13.63	9.96	23.59	10.4808	0.00	10.48
Peso proprio			4.41			4.41				5.73		5.73	4.41		4.41
campata 22-25															
	Copertura	2.4	1	9.53		6.04	9.53	6.04		12.39	9.06	21.45	9.53	0.00	9.53
	Cornicione	0.3	1	1.17		0.15	1.17	0.15		1.52	0.23	1.75	1.17	0.00	1.17
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 25-28															
	Copertura	2.4	1	9.53		6.04	9.53	6.04		12.3864	9.058809206	21.4452092	9.528	0	9.53
	Cornicione	0.3	1	1.17		0.15	1.17	0.15		1.52	0.23	1.75	1.17	0.00	1.17
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
Telaio 7y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_i	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 7-15															
	Copertura	2.4	1.1	10.48		6.64	10.48	6.64		13.63	9.96	23.59	10.48	0.00	10.48
	Copertura	2.7	1.2	12.86		8.15	12.86	8.15		16.72	12.23	28.95	12.86	0.00	12.86

Peso proprio			4.41			4.41			5.73		5.73	4.41		4.41
campata 15-23														
Copertura	2.4	1.1	10.4808	6.64		10.4808	6.64		13.63	9.96	23.59	10.48	0.00	10.48
Copertura	2.7	1.2	12.8628	8.15		12.8628	8.15		16.72	12.23	28.95	12.86	0.00	12.86
Peso proprio			2.88			2.88			3.74		3.74	2.88		2.88
campata 23-26														
Copertura	2.4	1.2	11.4336	7.25		11.4336	7.25		14.86	10.87	25.73	11.4336	0.00	11.43
Copertura	2.7	1.2	12.8628	8.15		12.8628	8.15		16.72	12.23	28.95	12.8628	0.00	12.86
Peso proprio			2.88			2.88			3.74		3.74	2.88		2.88
campata 26-29														
Copertura	2.4	1.2	11.4336	7.25		11.4336	7.25		14.86	10.87	25.73	11.43	0.00	11.43
Copertura	2.7	1.2	12.8628	8.15		12.8628	8.15		16.72	12.23	28.95	12.86	0.00	12.86
Peso proprio			4.41			4.41			5.73		5.73	4.41	0.00	4.41

Telaio 8y piano tipo															
	L [m]	α	g_{1k} [kN/m]	g_{2k} [kN/m]	q_k [kN/m]	TOTALE g_k	TOTALE q_k	1.3	1.5	g_{1d} [kN/m]	q_{1d} [kN/m]	TOTALE	g_k [kN/m]	$\psi_2 q_k$ [kN/m]	TOTALE
campata 8-16															
Copertura	2.7	1	10.72		6.79	10.72	6.79			13.93	10.19	24.13	10.72	0.00	10.72
Cornicione	0.3	1	1.19		0.15	1.19	0.15			1.55	0.23	1.77	1.19	0.00	1.19
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 16-24															
Copertura	2.7	1	10.72		6.79	10.72	6.79			13.93	10.19	24.13	10.72	0.00	10.72
Cornicione	0.3	1	1.17		0.15	1.17	0.15			1.52	0.23	1.75	1.17	0.00	1.17
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 24-27															
Copertura	2.7	1	10.72		6.79	10.72	6.79			13.93	10.19	24.13	10.72	0.00	10.72
Cornicione	0.3	1	1.17		0.15	1.17	0.15			1.52	0.23	1.75	1.17	0.00	1.17
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88
campata 27-30															
Copertura	2.7	1	10.72		6.79	10.72	6.79			13.93	10.19	24.13	10.72	0.00	10.72
Cornicione	0.3	1	1.17		0.15	1.17	0.15			1.52	0.23	1.75	1.17	0.00	1.17
Peso proprio			2.88			2.88				3.74		3.74	2.88		2.88

Masse di piano - Calcolo perfezionato

ALLEGATO 2

Impalcato 1		
Tipo carico	Q.ta	Peso (kN)
Solaio del piano tipo	390.92	1895.97
Solaio di copertura		
Sbalzo piano tipo	20.31	135.03
Cornicione		
Scala	18.48	182.79
Travi 30x70	156.95	692.15
Travi 30x60		
Travi 90x24	42.20	121.54
Tamponature	94.14	514.40
Tramezzi	104.19	248.13
Pilastrini 30x80	30.00	666.00
Pilastrini 30x70		
Pilastrini 30x60		

Impalcato 6		
Tipo carico	Q.ta	Peso (kN)
Solaio del piano tipo		
Solaio di copertura	390.92	1551.96
Sbalzo piano tipo		
Cornicione	36.10	140.79
Scala	18.48	91.40
Travi 30x70		
Travi 30x60		
Travi 90x24	199.15	573.55
Tamponature	47.07	257.20
Tramezzi	52.10	124.06
Pilastrini 30x80		
Pilastrini 30x70		
Pilastrini 30x60	10.00	144.00
Pilastrini 30x60	20.00	135.00

Impalcato 2-3		
Tipo carico	Q.ta	Peso (kN)
Solaio del piano tipo	390.92	1895.97
Solaio di copertura		
Sbalzo piano tipo	20.31	135.03
Cornicione		
Scala	18.48	182.79
Travi 30x70	156.95	692.15
Travi 30x60		
Travi 90x24	42.20	121.54
Tamponature	94.14	514.40
Tramezzi	104.19	248.13
Pilastrini 30x80	30.00	576.00
Pilastrini 30x70		
Pilastrini 30x60		

Impalcato 4-5		
Tipo carico	Q.ta	Peso (kN)
Solaio del piano tipo	390.92	1895.97
Solaio di copertura		
Sbalzo piano tipo	20.31	135.03
Cornicione		
Scala	18.48	182.79
Travi 30x70		
Travi 30x60	156.95	574.44
Travi 90x24	42.20	121.54
Tamponature	94.14	514.40
Tramezzi	104.19	248.13
Pilastrini 30x80		
Pilastrini 30x70	30.00	504.00
Pilastrini 30x60		

MASSE DI PIANO				
IMPALCATO	PESO TOT IMPALCATO [kN]	MASSA [t]	AREA [m ²]	PESO MEDIO [kN/m ²]
MANSARDA	3017.96	307.64	426.77	7.07
5	4176.29	425.72	411.23	10.16
4	4176.29	425.72	411.23	10.16
3	4366.00	445.06	411.23	10.62
2	4366.00	445.06	411.23	10.62
1	4456.00	454.23	411.23	10.84

Deformate modali

n piani 6

Contorno dell'impalcato

n punti 10

coordinate dei punti del contorno

	1	2	3	4	5	6	7	8	9	10
x	0.00	0.00	22.20	22.20	32.65	32.45	17.50	17.50	13.10	13.10
y	0.15	10.15	10.15	17.15	17.15	0.00	0.00	2.65	2.65	0.00

Modo da visualizzare

Modo 1
molt 1

T 0.644 s

Mas X 0.10%
Mas Y 81.84%

Modo	T	Mas X	Mas Y
1	0.644	0.10%	81.84%
2	0.615	78.00%	0.27%
3	0.566	4.54%	0.60%
4	0.215	0.02%	11.58%
5	0.206	11.05%	0.04%
6	0.187	0.66%	0.09%
7	0.000	0.00%	0.00%
8	0.000	0.00%	0.00%
9	0.000	0.00%	0.00%
10	0.000	0.00%	0.00%
11	0.000	0.00%	0.00%
12	0.000	0.00%	0.00%
13	0.000	0.00%	0.00%
14	0.000	0.00%	0.00%
15	0.000	0.00%	0.00%
16	0.000	0.00%	0.00%
17	0.000	0.00%	0.00%
18	0.000	0.00%	0.00%

1.087 ok



n piani 6

Contorno dell'impalcato

n punti 10

coordinate dei punti del contorno

	1	2	3	4	5	6	7	8	9	10
x	0.00	0.00	22.20	22.20	32.65	32.45	17.50	17.50	13.10	13.10
y	0.15	10.15	10.15	17.15	17.15	0.00	0.00	2.65	2.65	0.00

Modo da visualizzare

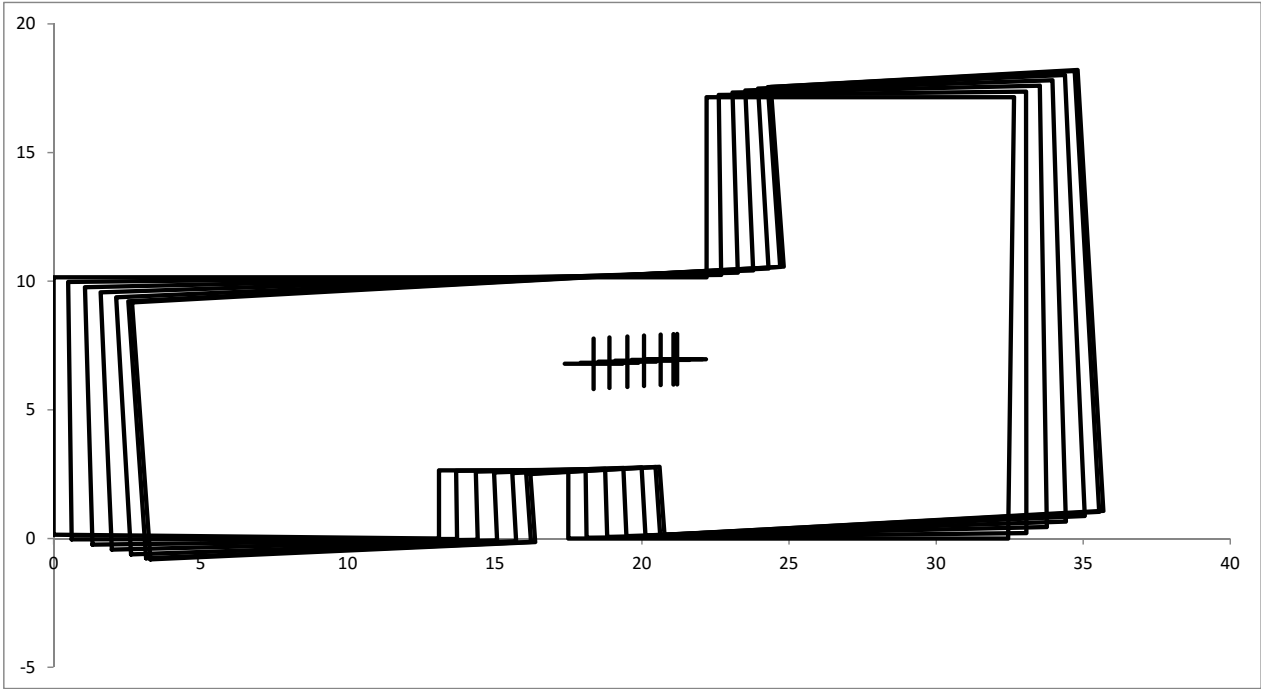
Modo 2
molt 1

T 0.615 s

Mas X 78.00%
Mas Y 0.27%

Modo	T	Mas X	Mas Y
1	0.644	0.10%	81.84%
2	0.615	78.00%	0.27%
3	0.566	4.54%	0.60%
4	0.215	0.02%	11.58%
5	0.206	11.05%	0.04%
6	0.187	0.66%	0.09%
7	0.000	0.00%	0.00%
8	0.000	0.00%	0.00%
9	0.000	0.00%	0.00%
10	0.000	0.00%	0.00%
11	0.000	0.00%	0.00%
12	0.000	0.00%	0.00%
13	0.000	0.00%	0.00%
14	0.000	0.00%	0.00%
15	0.000	0.00%	0.00%
16	0.000	0.00%	0.00%
17	0.000	0.00%	0.00%
18	0.000	0.00%	0.00%

1.087 ok



n piani 6

Contorno dell'impalcato

n punti 10

coordinate dei punti del contorno

	1	2	3	4	5	6	7	8	9	10
x	0.00	0.00	22.20	22.20	32.65	32.45	17.50	17.50	13.10	13.10
y	0.15	10.15	10.15	17.15	17.15	0.00	0.00	2.65	2.65	0.00

Modo da visualizzare

Modo 3

molt 1

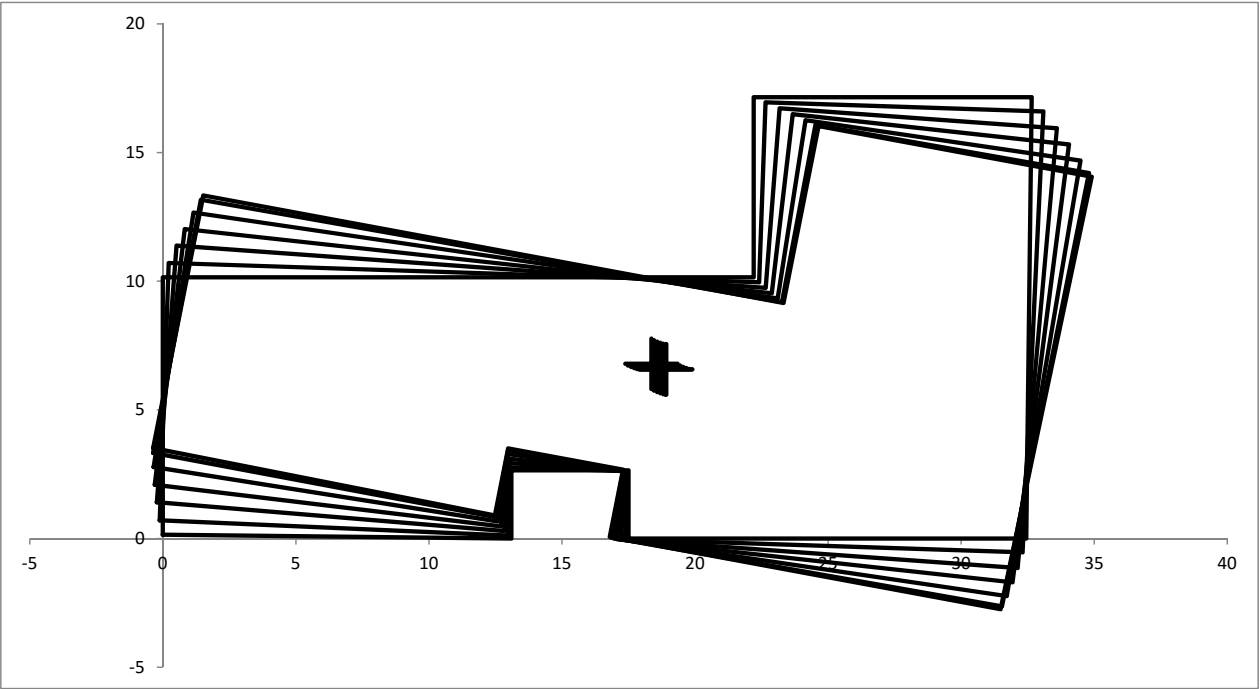
T 0.566 s

Mas X 4.54%

Mas Y 0.60%

Modo	T	Mas X	Mas Y
1	0.644	0.10%	81.84%
2	0.615	78.00%	0.27%
3	0.566	4.54%	0.60%
4	0.215	0.02%	11.58%
5	0.206	11.05%	0.04%
6	0.187	0.66%	0.09%
7	0.000	0.00%	0.00%
8	0.000	0.00%	0.00%
9	0.000	0.00%	0.00%
10	0.000	0.00%	0.00%
11	0.000	0.00%	0.00%
12	0.000	0.00%	0.00%
13	0.000	0.00%	0.00%
14	0.000	0.00%	0.00%
15	0.000	0.00%	0.00%
16	0.000	0.00%	0.00%
17	0.000	0.00%	0.00%
18	0.000	0.00%	0.00%

1.087 ok



n piani 6

Contorno dell'impalcato

n punti 10

coordinate dei punti del contorno

	1	2	3	4	5	6	7	8	9	10
x	0.00	0.00	22.20	22.20	32.65	32.45	17.50	17.50	13.10	13.10
y	0.15	10.15	10.15	17.15	17.15	0.00	0.00	2.65	2.65	0.00

Modo da visualizzare

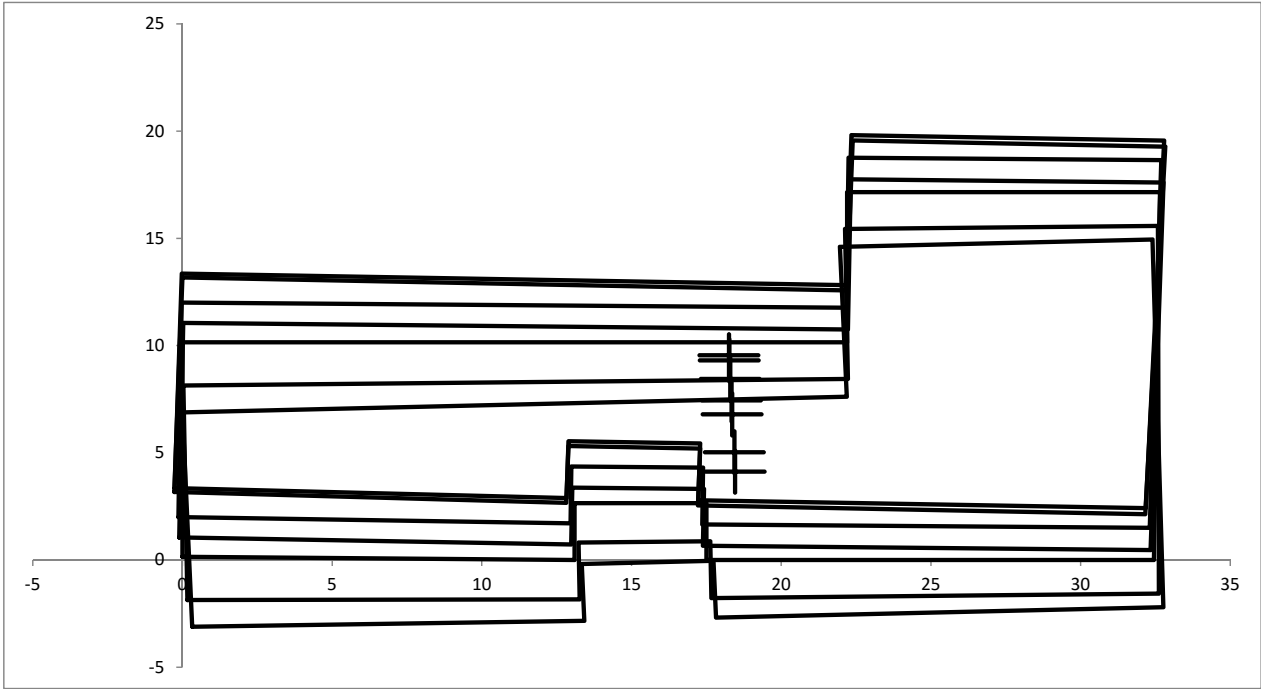
Modo 4
molt 1

T 0.215 s

Mas X 0.02%
Mas Y 11.58%

Modo	T	Mas X	Mas Y
1	0.644	0.10%	81.84%
2	0.615	78.00%	0.27%
3	0.566	4.54%	0.60%
4	0.215	0.02%	11.58%
5	0.206	11.05%	0.04%
6	0.187	0.66%	0.09%
7	0.000	0.00%	0.00%
8	0.000	0.00%	0.00%
9	0.000	0.00%	0.00%
10	0.000	0.00%	0.00%
11	0.000	0.00%	0.00%
12	0.000	0.00%	0.00%
13	0.000	0.00%	0.00%
14	0.000	0.00%	0.00%
15	0.000	0.00%	0.00%
16	0.000	0.00%	0.00%
17	0.000	0.00%	0.00%
18	0.000	0.00%	0.00%

1.087 ok



n piani 6

Contorno dell'impalcato

n punti 10

coordinate dei punti del contorno

	1	2	3	4	5	6	7	8	9	10
x	0.00	0.00	22.20	22.20	32.65	32.45	17.50	17.50	13.10	13.10
y	0.15	10.15	10.15	17.15	17.15	0.00	0.00	2.65	2.65	0.00

Modo da visualizzare

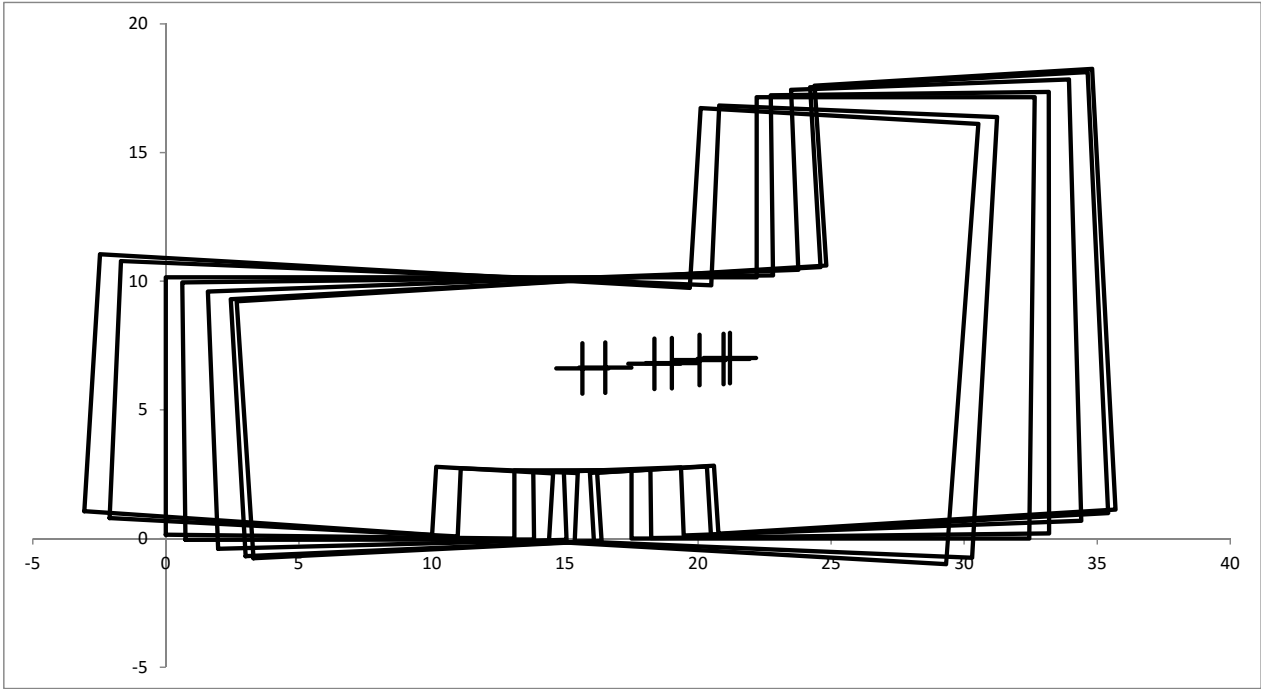
Modo 5
molt 1

T 0.206 s

Mas X 11.05%
Mas Y 0.04%

Modo	T	Mas X	Mas Y
1	0.644	0.10%	81.84%
2	0.615	78.00%	0.27%
3	0.566	4.54%	0.60%
4	0.215	0.02%	11.58%
5	0.206	11.05%	0.04%
6	0.187	0.66%	0.09%
7	0.000	0.00%	0.00%
8	0.000	0.00%	0.00%
9	0.000	0.00%	0.00%
10	0.000	0.00%	0.00%
11	0.000	0.00%	0.00%
12	0.000	0.00%	0.00%
13	0.000	0.00%	0.00%
14	0.000	0.00%	0.00%
15	0.000	0.00%	0.00%
16	0.000	0.00%	0.00%
17	0.000	0.00%	0.00%
18	0.000	0.00%	0.00%

1.087 ok



n piani 6

Contorno dell'impalcato

n punti 10

coordinate dei punti del contorno

	1	2	3	4	5	6	7	8	9	10
x	0.00	0.00	22.20	22.20	32.65	32.45	17.50	17.50	13.10	13.10
y	0.15	10.15	10.15	17.15	17.15	0.00	0.00	2.65	2.65	0.00

Modo da visualizzare

Modo 6

molt 1

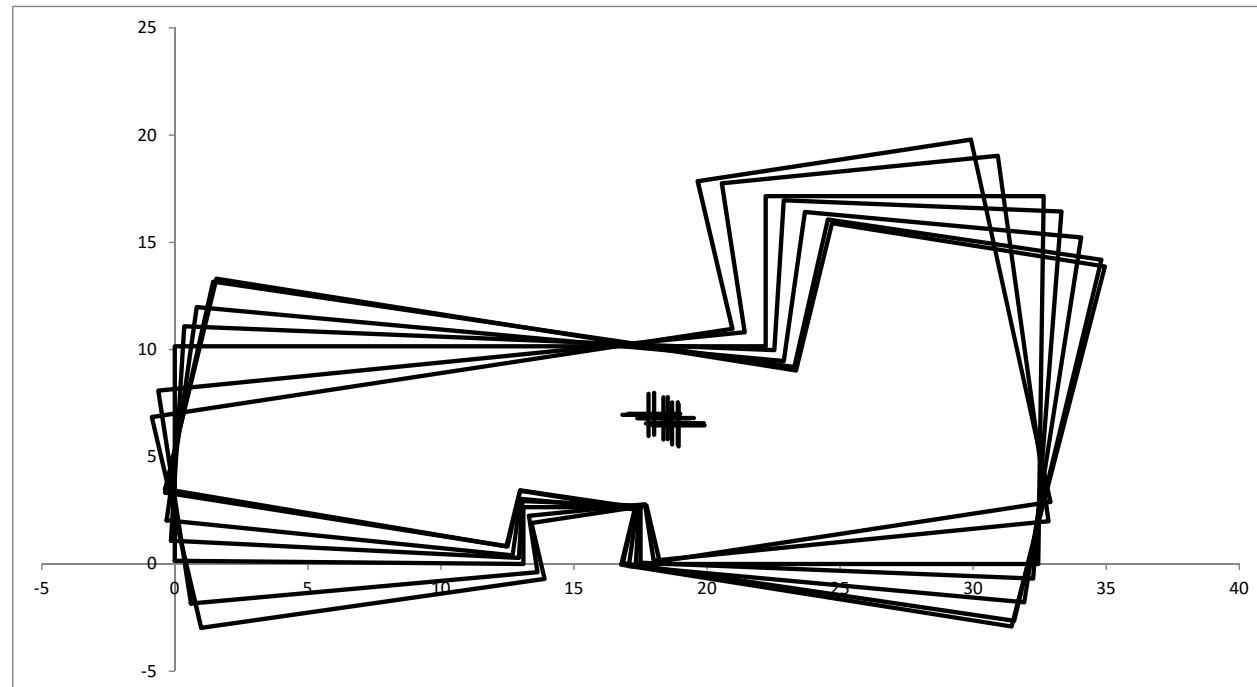
T 0.187 s

Mas X 0.66%

Mas Y 0.09%

Modo	T	Mas X	Mas Y
1	0.644	0.10%	81.84%
2	0.615	78.00%	0.27%
3	0.566	4.54%	0.60%
4	0.215	0.02%	11.58%
5	0.206	11.05%	0.04%
6	0.187	0.66%	0.09%
7	0.000	0.00%	0.00%
8	0.000	0.00%	0.00%
9	0.000	0.00%	0.00%
10	0.000	0.00%	0.00%
11	0.000	0.00%	0.00%
12	0.000	0.00%	0.00%
13	0.000	0.00%	0.00%
14	0.000	0.00%	0.00%
15	0.000	0.00%	0.00%
16	0.000	0.00%	0.00%
17	0.000	0.00%	0.00%
18	0.000	0.00%	0.00%

1.087 ok



Confronto rigidezze - Previsione / Tel08

ALLEGATO 4

TELAIO 1			
		TEL08	PREV
MANSARDA		168.426	165.83
5		61.498	63.40
4		72.931	73.21
3		89.952	93.24
2		96.078	93.24
1		115.77	118.51

TELAIO 2			
		TEL08	PREV
MANSARDA		143.018	192.07
5		88.252	95.05
4		106.175	112.11
3		136.497	148.51
2		143.775	148.51
1		191.13	200.10

TELAIO 3			
		TEL08	PREV
MANSARDA		25.725	109.38
5		124.698	117.62
4		129.335	131.54
3		162.669	165.77
2		170.79	165.77
1		166.857	173.30

TELAIO 4			
		TEL08	PREV
MANSARDA		359.506	323.02
5		118.268	122.18
4		135.011	140.72
3		164.202	177.55
2		171.988	177.55
1		192.874	205.53

TELAIO 5			
		TEL08	PREV
MANSARDA		16.172	78.02
5		39.868	41.28
4		43.975	48.89
3		51.581	61.41
2		55.82	58.71
1		91.027	96.33

TELAIO 6			
		TEL08	PREV
MANSARDA		21.813	110.64
5		62.3	65.14
4		71.354	77.32
3		90.745	101.91
2		96.474	101.91
1		135.992	144.39

TELAIO 7			
		TEL08	PREV
MANSARDA		56.144	110.64
5		61.022	65.14
4		72.644	77.32
3		93.83	101.91
2		101.139	101.91
1		134.308	144.39

TELAIO 8			
		TEL08	PREV
MANSARDA		33.42	38.71
5		12.21	10.07
4		13.07	12.38
3		11.50	12.76
2		13.18	12.76
1		18.43	19.33

TELAIO 9			
		TEL08	PREV
MANSARDA		38.51	71.91
5		27.13	31.59
4		33.05	36.04
3		36.98	44.54
2		39.72	44.54
1		56.11	61.35

TELAIO 10			
		TEL08	PREV
MANSARDA		39.34	110.64
5		62.24	65.14
4		72.86	77.32
3		93.62	101.91
2		99.43	101.91
1		137.37	144.39

TELAIO 11			
		TEL08	PREV
MANSARDA		61.301	82.56
5		48.263	49.57
4		51.479	56.37
3		65.276	72.39
2		68.106	72.39
1		70.999	77.33

TELAIO 12			
		TEL08	PREV
MANSARDA		202.561	182.47
5		90.398	92.24
4		100.202	104.69
3		100.202	134.89
2		132.575	134.89
1		136.748	144.97

TELAIO 13			
		TEL08	PREV
MANSARDA		23.834	74.69
5		83.315	80.50
4		87.152	92.07
3		108.979	116.15
2		114.243	116.15
1		129.703	134.45

TELAIO 14			
		TEL08	PREV
MANSARDA		199.401	254.19
5		67.117	73.04
4		78.623	83.65
3		91.599	102.34
2		95.524	102.34
1		121.217	125.65

PIANO 1																											
Telaio	Campate	Sollecitazione	F _y	F _x	F _z e _y =M(F _y)	F _z e _x =M(F _x)	Q _{max}	Q _{min}	sisma x	sisma y	sisma x + 0.3 sisma y	sisma y + 0.3 sisma x	M tra sis	Q _{max} +F	Q _{min} -F	b pil	h pil	q ⁺ F _{spu}	q ⁻ F _{spu}	h tra	copriferro c	b tra	MRd (semplice armatura)	MRd (doppia armatura)	Med<MRd	A's	As
1	1-2	M _{int}	147.95	-7.99	6.73	11.35	-92.08	-54.89	154.67	-19.34	160.47	-65.74	160.47	105.58	-215.36	0.80	0.30	101.09	-190.60	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.20	4.35
		M _{des}	-194.72	10.47	-8.85	-14.92	-174.68	-104.13	-203.57	25.39	-211.19	86.46	-211.19	-315.32	107.06	0.30	0.80	-189.19	87.92	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.14	3.78
	2-3	M _{int}	303.07	-16.09	13.71	23.13	61.47	61.47	316.78	-39.22	328.54	-134.25	328.54	390.02	-267.07	0.30	0.80	359.74	-169.33	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.29	15.48
		M _{des}	-316.94	16.82	-14.33	-24.18	-82.33	-51.77	-331.27	41.01	-343.57	140.39	-343.57	-395.34	291.81	0.30	0.80	-300.03	259.09	0.70	0.04	0.30	336.73	446.91	VERIFICA	12.91	11.15
2	3-4	M _{int}	59.47	-3.19	2.70	4.56	-54.34	-31.39	62.17	-7.74	64.50	-26.39	64.50	33.11	-95.88	0.30	0.80	25.61	-55.29	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.85	3.64
		M _{des}	-58.79	3.15	-2.67	-4.50	-44.45	-25.85	-61.46	7.65	-63.75	26.09	-63.75	-89.60	37.90	0.80	0.30	-74.91	35.63	0.24	0.04	0.90	92.76	123.11	VERIFICA	10.64	5.06
	5-6	M _{int}	302.38	-16.33	13.96	23.55	-49.96	-32.89	316.34	-39.88	328.31	-134.78	328.31	295.42	-361.19	0.30	0.80	229.09	-320.27	0.70	0.04	0.30	336.73	446.91	VERIFICA	13.78	9.86
		M _{des}	-278.02	15.03	-12.84	-21.66	-27.05	-19.58	-290.85	36.69	-301.86	123.94	-301.86	-321.44	282.28	0.30	0.80	-222.69	154.40	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.58	6.64
3	6-7	M _{int}	260.82	-14.23	12.08	20.38	-62.52	-36.42	272.90	-34.61	283.28	-116.48	283.28	246.86	-319.70	0.30	0.80	216.84	-256.92	0.70	0.04	0.30	336.73	446.91	VERIFICA	11.05	9.33
		M _{des}	-262.52	14.31	-12.16	-20.51	-45.85	-26.96	-274.68	34.83	-285.13	117.23	-285.13	-312.09	258.16	0.30	0.80	-250.85	226.60	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.79	9.75
	7-8	M _{int}	259.45	-14.05	11.99	20.23	-65.98	-38.49	271.44	-34.28	281.73	-115.71	281.73	243.23	-320.22	0.30	0.80	215.78	-258.14	0.70	0.04	0.30	336.73	446.91	VERIFICA	11.11	9.28
		M _{des}	-281.66	15.23	-13.01	-21.96	-53.15	-30.81	-294.67	37.19	-305.83	125.59	-305.83	-336.64	275.02	0.30	0.80	-275.73	246.39	0.70	0.04	0.30	336.73	446.91	VERIFICA	11.86	10.60
4	9-10	M _{int}	140.77	-4.10	1.77	2.99	-86.81	-46.14	142.54	-7.09	144.67	-49.85	144.67	98.53	-190.80	0.80	0.30	95.48	-169.44	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.29	4.11
		M _{des}	-185.83	5.41	-2.34	-3.95	-162.99	-86.10	-188.17	9.36	-190.98	65.81	-190.98	-277.08	104.87	0.30	0.80	-214.31	90.92	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.22	3.91
	10-11	M _{int}	283.61	-8.25	3.57	6.03	-100.36	-53.99	287.18	-14.28	291.46	-100.44	291.46	237.47	-345.46	0.30	0.80	210.73	-262.48	0.70	0.04	0.30	336.73	446.91	VERIFICA	11.29	9.07
		M _{des}	-276.88	8.06	-3.49	-5.89	-82.79	-43.08	-280.37	13.94	-284.56	98.05	-284.56	-327.64	241.48	0.30	0.80	-246.74	212.65	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.62	9.15
	11-12	M _{int}	249.88	-7.27	3.15	5.31	-53.34	-29.78	253.02	-12.58	258.60	-88.48	258.60	227.02	-286.57	0.30	0.80	193.92	-212.95	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.16	8.34
		M _{des}	-152.53	4.44	-1.92	-3.23	-68.97	-40.73	-154.44	7.67	-156.74	54.00	-156.74	-197.48	116.01	0.80	0.30	-168.81	104.66	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.26	4.50
	12-13	M _{int}	12.93	-0.38	0.16	0.27	-82.85	-52.69	13.09	-0.65	13.29	-4.58	13.29	-39.40	-65.98	0.80	0.30	-30.12	-54.78	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.78	4.28
		M _{des}	-16.27	0.47	-0.21	-0.35	-80.97	-51.64	-16.47	0.82	-16.72	5.76	-16.72	-68.36	-34.93	0.80	0.30	-57.23	-25.71	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.12	3.65
	13-14	M _{int}	110.68	-3.22	1.39	2.35	-58.26	-36.20	112.08	-5.57	113.75	-39.19	113.75	77.55	-149.94	0.80	0.30	75.56	-139.16	0.70	0.04	0.30	336.73	446.91	VERIFICA	5.99	3.25
		M _{des}	-84.14	2.45	-1.06	-1.78	-28.19	-16.18	-85.19	4.23	-86.46	29.79	-86.46	-102.64	70.28	0.80	0.30	-93.13	67.01	0.70	0.04	0.30	336.73	446.91	VERIFICA	4.01	2.88
	14-15	M _{int}	81.08	-2.36	1.02	1.72	-34.03	-19.71	82.10	-4.08	83.33	-28.71	83.33	63.62	-103.03	0.80	0.30	61.47	-93.45	0.70	0.04	0.30	336.73	446.91	VERIFICA	4.02	2.64
		M _{des}	-105.46	3.07	-1.33	-2.24	-42.90	-26.22	-106.79	5.31	-108.38	37.34	-108.38	-134.61	82.16	0.80	0.30	-124.62	80.41	0.70	0.04	0.30	336.73	446.91	VERIFICA	5.36	3.46
5	15-16	M _{int}	22.80	-0.66	0.29	0.49	-55.68	-34.88	23.09	-1.15	23.43	-8.07	23.43	-11.45	-58.31	0.80	0.30	-7.10	-50.84	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.22	1.01
		M _{des}	-30.38	0.88	-0.38	-0.65	-46.46	-29.24	-30.76	1.53	-31.22	10.76	-31.22	-60.46	1.99	0.80	0.30	-53.31	-2.04	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.57	0.29
	17-18	M _{int}	134.32	-5.36	-3.09	-5.22	-49.69	-31.76	137.41	-10.58	140.58	-51.80	140.58	108.82	-172.35	0.80	0.30	108.12	-154.96	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.67	4.65
		M _{des}	-182.52	7.24	4.19	7.06	-90.32	-58.53	-186.70	14.30	-190.99	70.31	-190.99	-249.52	132.47	0.30	0.80	-199.26	130.43	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.57	5.61
	18-19	M _{int}	208.56	-8.26	-4.78	-8.06	-60.13	-38.64	213.34	-16.32	218.23	-80.32	218.23	179.60	-256.87	0.30	0.80	166.81	-204.84	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.81	7.18
		M _{des}	-116.60	4.63	2.68	4.51	-41.24	-26.63	-119.27	9.15	-122.02	44.93	-122.02	-148.65	95.38	0.80	0.30	-130.00	89.73	0.70	0.04	0.30	336.73	446.91	VERIFICA	5.59	3.86
	19-20	M _{int}	56.44	-2.32	-1.33	-2.24	-38.30	-24.64	57.76	-4.56	59.13	-21.88	59.13	34.49	-83.77	0.80	0.30	33.42	-73.12	0.70	0.04	0.30	336.73	446.91	VERIFICA	3.15	1.44
		M _{des}	-59.10	2.41	1.38	2.33	-47.73	-31.39	-60.48	4.74	-61.90	22.88	-61.90	-93.29	30.52	0.80	0.30	-81.99	30.10	0.70	0.04	0.30	336.73	446.91	VERIFICA	3.53	1.30
	20-21	M _{int}	111.87	-4.48	-2.58	-4.35	-74.90	-49.36	114.45	-8.83	117.10	-43.16	117.10	67.74	-166.46	0.80	0.30	65.94	-144.71	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.23	2.84
		M _{des}	-186.76	7.45	4.30	7.25	-94.11	-62.62	-191.06	14.70	-195.47	72.02	-195.47	-258.09	132.85	0.30	0.80	-197.83	125.80	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.51	5.41
	21-22	M _{int}	256.37	-10.11	-5.85	-9.87	-46.60	-29.93	262.22	-19.98	268.21	-98.64	268.21	238.28	-298.14	0.30	0.80	205.71	-236.87	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.19	8.85
		M _{des}	-270.55	10.66	6.17	10.41	-42.37	-27.90	-276.72	21.07	-283.04	104.08	-283.04	-310.94	255.14	0.30	0.80	-250.02	222.22	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.76	9.56
6	22-23	M _{int}	34.31	-1.37	-0.79	-1.33	-30.72	-17.55	35.10	-2.70	35.90	-13.22	35.90	18.35	-53.46	0.30	0.80	15.61	-39.28	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.58	2.22
		M _{des}	-32.64	1.30	0.75	1.27	-30.35	-17.31	-33.39	2.57	-34.16	12.58	-34.16	-15.48	16.85	0.80	0.30	-46.17	15.84	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.56	2.25
	23-24	M _{int}	30.25	-1.20	-0.69	-1.17	-36.48	-20.82	30.94	-2.37	31.65	-11.65	31.65	10.83	-52.47	0.80	0.30	9.21	-47.10	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.69	1.31
		M _{des}	-32.65	1.29	0.75	1.26	-30.02	-17.10	-33.40	2.55	-34.16	12.57	-34.16	-15.26	17.07	0.80	0.30	-46.10	15.67	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.54	2.22
	25-26	M _{int}	35.62	2.31	-1.79	-3.03	-28.11	-16.00	37.42	5.33	39.02	16.56	39.02	23.01	-55.02	0.80	0.30	22.20	-49.45	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.02	3.15
		M _{des}	-35.17	-2.28	1.77	2.99	-32.17	-18.25	-36.94	-5.27	-38.52	-16.35	-38.52	-56.77	20.27	0.30	0.80	-41.56	17.72	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.90	2.52
	26-27	M _{int}	251.56	16.14	-12.62	-21.29	-43.92	-26.78	264.18	37.43	275.41	116.68	275.41	248.63	-302.18	0.30											

44	12	13-21	M _{int}	5.19	222.09	-0.68	-1.15	-71.74	-50.74	5.87	223.23	72.84	225.00	225.00	174.25	-275.74	0.30	0.80	165.58	-220.55	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.49	7.12
			M _{des}	-3.62	-156.10	0.50	0.85	-29.21	-20.72	-4.12	-156.95	-51.20	-158.18	-158.18	-178.90	137.46	0.80	0.30	-160.09	132.33	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.89	5.69
		6-14	M _{int}	14.71	151.76	4.28	7.22	-69.30	-37.70	18.98	158.98	66.68	164.67	164.67	126.97	-202.37	0.80	0.30	126.49	-179.28	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.71	5.44
			M _{des}	-20.82	-214.02	-6.05	-10.20	-141.20	-76.96	-26.87	-224.22	-94.13	-232.28	-232.28	-309.24	155.33	0.30	0.80	-241.43	150.40	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.39	6.47
		14-22	M _{int}	19.42	200.17	5.65	9.52	-126.26	-67.11	25.06	209.69	87.97	217.21	217.21	150.10	-284.32	0.30	0.80	145.32	-225.66	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.71	6.25
			M _{des}	-9.42	-97.74	-2.75	-4.63	-86.92	-46.97	-12.16	-102.38	-42.88	-106.03	-106.03	-152.99	59.06	0.80	0.30	-132.25	58.53	0.70	0.04	0.30	336.73	446.91	VERIFICA	5.69	2.52
		22-25	M _{int}	10.60	109.63	3.09	5.21	-63.56	-35.89	13.68	114.84	48.13	118.94	118.94	83.05	-154.82	0.80	0.30	74.71	-133.11	0.70	0.04	0.30	336.73	446.91	VERIFICA	5.73	3.21
			M _{des}	-22.52	-232.02	-6.55	-11.05	-41.51	-24.28	-29.07	-243.07	-101.99	-251.79	-251.79	-276.07	227.51	0.30	0.80	-220.68	202.73	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.49	8.72
		25-28	M _{int}	25.54	261.32	7.40	12.49	-34.78	-20.67	32.94	273.81	115.08	283.69	283.69	263.02	-304.37	0.30	0.80	223.01	-232.32	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.00	9.59
			M _{des}	-16.00	-164.46	-4.65	-7.84	-17.46	-10.38	-20.64	-172.30	-72.33	-178.49	-178.49	-188.87	168.11	0.80	0.30	-162.79	152.18	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.00	6.55
		7-15	M _{int}	27.99	148.60	9.35	15.78	-74.63	-42.22	37.34	164.38	86.65	175.58	175.58	133.36	-217.81	0.80	0.30	133.08	-192.89	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.30	5.73
			M _{des}	-38.15	-202.44	-12.73	-21.48	-148.82	-84.93	-50.88	-223.91	-118.05	-239.18	-239.18	-324.11	154.24	0.30	0.80	-250.90	146.74	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.79	6.31
		15-23	M _{int}	51.48	272.99	17.13	28.90	-137.55	-72.76	68.60	301.89	159.17	322.47	322.47	249.71	-395.23	0.30	0.80	229.12	-305.42	0.70	0.04	0.30	336.73	446.91	VERIFICA	13.14	9.86
			M _{des}	-54.27	-287.78	-18.05	-30.46	-115.26	-61.11	-72.32	-318.24	-167.80	-339.94	-339.94	-401.05	278.82	0.30	0.80	-313.18	256.29	0.70	0.04	0.30	336.73	446.91	VERIFICA	13.47	11.03
		23-26	M _{int}	7.85	41.71	2.63	4.44	-77.87	-40.50	10.49	46.15	24.33	49.29	49.29	8.79	-89.79	0.30	0.80	-7.93	-54.69	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.77	1.13
			M _{des}	-5.68	-30.18	-1.91	-3.22	-74.76	-38.86	-7.59	-33.41	-17.61	-35.68	-35.68	-74.54	-3.18	0.80	0.30	-61.51	2.96	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.73	0.42
		26-29	M _{int}	22.89	121.52	7.63	12.87	-66.72	-35.10	30.52	134.39	70.84	143.54	143.54	108.44	-178.64	0.80	0.30	104.39	-154.99	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.67	4.49
			M _{des}	-25.72	-136.49	-8.57	-14.47	-33.14	-17.24	-34.29	-150.96	-79.58	-161.24	-161.24	-178.48	144.01	0.80	0.30	-156.45	138.33	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.73	5.95
	14	8-16	M _{int}	43.27	149.45	15.08	25.44	-47.12	-26.79	58.35	174.90	110.81	192.40	192.40	165.61	-219.19	0.80	0.30	158.75	-197.40	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.49	6.83
			M _{des}	-65.14	-225.24	-22.64	-38.20	-80.10	-45.93	-87.77	-263.44	-166.81	-289.77	-289.77	-335.70	243.84	0.30	0.80	-274.57	228.59	0.70	0.04	0.30	336.73	446.91	VERIFICA	11.81	9.83
		16-24	M _{int}	12.05	41.61	4.21	7.10	-75.65	-43.77	16.26	48.71	30.87	53.59	53.59	9.81	-97.36	0.30	0.80	-2.95	-66.83	0.24	0.04	0.90	92.76	123.11	VERIFICA	9.49	0.42
			M _{des}	-11.93	-41.18	-4.16	-7.03	-72.90	-42.20	-16.09	-48.20	-30.55	-53.03	-53.03	-95.23	10.83	0.30	0.80	-64.97	-1.67	0.24	0.04	0.90	92.76	123.11	VERIFICA	9.22	0.24
		24-27	M _{int}	74.94	259.22	26.03	43.92	-54.95	-32.12	100.97	303.14	191.91	333.43	333.43	301.31	-365.55	0.30	0.80	266.51	-293.52	0.70	0.04	0.30	336.73	446.91	VERIFICA	12.63	11.47
			M _{des}	-36.12	-124.83	-12.57	-21.21	-40.31	-23.77	-48.69	-146.04	-92.50	-160.65	-160.65	-184.42	136.88	0.80	0.30	-158.08	123.15	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.80	5.30
		27-30	M _{int}	19.22	66.16	6.76	11.40	-39.64	-23.31	25.98	77.56	49.25	85.35	85.35	62.04	-108.66	0.80	0.30	57.12	-90.72	0.70	0.04	0.30	336.73	446.91	VERIFICA	3.90	2.46
			M _{des}	-37.36	-128.96	-13.04	-22.01	-17.53	-10.35	-50.41	-150.97	-95.70	-166.09	-166.09	-176.43	155.74	0.80	0.30	-159.67	149.65	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.87	6.44

PIANO 2																												
Telaio	Campate	Sollecitazione	F _y	F _{lx}	F _{ly}	F _{lx} F _{ly} =M(F _{lx})	F _{ly} F _{lx} =M(F _{ly})	q _{max}	q _{min}	sisma x	sisma y	sisma x + 0.3 sisma y	sisma y + 0.3 sisma x	M tra sis	q _{min} +F	q _{max} -F	b pil	h pil	q+Fspu	q-Fspu	h tra	copriferro c	b tra	MRd (semplice armatura)	MRd (doppia armatura)	Med<MRd	A's	As
1	1-2	M _{int}	158.58	-9.76	7.37	12.43	-113.95	-68.02	165.94	-22.19	172.60	-71.97	172.60	104.58	-240.62	0.80	0.30	99.99	-214.72	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.24	4.30	
		M _{des}	-200.35	12.40	-9.32	-15.72	-158.70	-94.38	-209.67	28.12	-218.10	91.02	-218.10	312.48	123.73	0.30	0.80	-239.57	107.64	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.31	4.63	
	2-3	M _{int}	284.65	-17.64	13.21	22.30	-89.06	-55.67	297.86	-39.94	309.85	-129.30	309.85	254.18	-365.51	0.30	0.80	226.33	-273.19	0.70	0.04	0.30	336.73	446.91	VERIFICA	11.75	9.74	
		M _{des}	-294.93	18.31	-13.69	-23.10	-93.26	-58.57	-308.63	41.41	-321.05	134.00	-321.05	-379.62	262.48	0.30	0.80	-286.75	235.18	0.70	0.04	0.30	336.73	446.91	VERIFICA	12.34	10.12	
2	3-4	M _{int}	58.43	-3.63	2.72	4.58	-49.37	-28.33	61.15	-8.21	63.61	-26.55	63.61	35.28	-91.94	0.30	0.80	28.40	-52.49	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.45	4.03	
		M _{des}	-57.49	3.57	-2.67	-4.51	-50.67	-29.60	-60.16	8.07	-62.58	26.12	-62.58	-92.18	32.98	0.80	0.30	-77.26	30.28	0.24	0.04	0.90	92.76	123.11	VERIFICA	10.97	4.30	
	5-6	M _{int}	281.90	-17.83	13.36	22.55	-62.37	-40.19	295.26	-40.38	307.38	-128.96	307.38	267.18	-347.57	0.30	0.80	232.59	-280.69	0.70	0.04	0.30	336.73	446.91	VERIFICA	12.08	10.01	
		M _{des}	-264.86	16.70	-12.55	-21.18	-15.77	-13.14	-277.41	37.88	-288.77	121.10	-288.77	-301.91	275.63	0.30	0.80	-239.64	236.43	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.31	10.17	
	6-7	M _{int}	264.03	-16.67	12.53	21.14	-68.36	-39.16	276.56	-37.81	287.90	-120.78	287.90	248.74	-327.06	0.30	0.80	218.53	-263.08	0.70	0.04	0.30	336.73	446.91	VERIFICA	11.32	9.40	
		M _{des}	-265.04	16.74	-12.58	-21.22	-39.14	-23.61	-277.62	37.96	-289.01	121.25	-289.01	-312.62	265.40	0.30	0.80	-251.19	232.65	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.81	10.01	
	7-8	M _{int}	248.84	-15.73	11.80	19.91	-62.30	-36.40	260.64	-35.64	271.33	-113.83	271.33	234.93	-307.73	0.30	0.80	209.22	-248.19	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.68	9.00	
		M _{des}	-264.20	16.75	-12.53	-21.15	-58.55	-33.94	-276.74	37.90	-288.10	120.92	-288.10	-322.05	254.16	0.30	0.80	-262.89	228.08	0.70	0.04	0.30	336.73	446.91	VERIFICA	11.31	9.81	
3	9-10	M _{int}	151.08	-4.47	1.86	3.13	-108.15	-57.47	152.94	-7.60	155.22	-53.48	155.22	97.76	-212.69	0.80	0.30	94.57	-190.37	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.19	4.07	
		M _{des}	-190.38	5.63	-2.34	-3.94	-146.67	-77.46	-192.72	9.57	-195.59	67.39	-195.59	-273.05	118.13	0.30	0.80	-210.63	106.73	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.06	4.59	
	10-11	M _{int}	277.38	-8.21	3.40	5.73	-85.64	-46.57	280.78	-13.94	284.96	-98.17	284.96	238.38	-331.53	0.30	0.80	211.34	-250.83	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.79	9.09	
		M _{des}																										

5	25-26	M _{int}	34.21	2.64	-1.81	-3.06	-30.21	-17.22	36.02	5.70	37.73	16.51	37.73	20.51	-54.95	0.80	0.30	19.57	-49.39	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.01	2.78
		M _{des}	-34.15	-2.64	1.81	3.05	-30.65	-17.35	-35.96	-5.69	-37.67	-16.48	-37.67	-55.01	20.32	0.30	0.80	-40.16	17.77	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.70	2.52
	26-27	M _{int}	234.73	18.11	-12.43	-20.97	-43.08	-26.43	247.16	39.08	258.88	113.28	258.88	232.45	-285.31	0.30	0.80	204.54	-234.01	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.07	8.80
6	28-29	M _{int}	-236.60	-18.26	12.53	21.14	-34.99	-21.20	-249.13	-39.39	-260.94	-114.13	-260.94	-282.14	239.74	0.30	0.80	-231.64	211.04	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.97	9.08
		M _{des}	240.65	26.65	-19.33	-32.62	-57.79	-37.28	259.99	59.27	277.77	137.27	277.77	240.49	-315.04	0.30	0.80	212.46	-254.87	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.97	9.14
		M _{int}	-227.43	-25.11	18.26	30.81	-32.42	-21.46	-245.69	-55.92	-262.46	-129.62	-262.46	-283.92	241.01	0.30	0.80	-226.33	210.39	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.74	9.05
7	29-30	M _{int}	217.43	24.03	-17.46	-29.46	-52.25	-33.85	234.89	53.49	250.93	123.95	250.93	217.09	-284.78	0.30	0.80	193.63	-229.48	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.87	8.33
		M _{des}	-230.38	-25.54	18.51	31.23	-49.87	-32.67	-248.89	-56.77	-265.93	-131.44	-265.93	-298.60	233.25	0.30	0.80	-243.47	209.62	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.48	9.02
		M _{int}	-85.44	310.52	-35.14	-59.28	-51.30	-33.30	-120.57	369.80	-231.51	405.97	405.97	372.67	-439.27	0.30	0.80	323.81	-359.47	0.70	0.04	0.30	336.73	446.91	VERIFICA	15.47	13.93
8	1-9	M _{int}	80.44	292.08	33.07	55.80	-38.01	-24.85	113.51	-348.08	217.93	-382.13	-382.13	-406.98	357.29	0.30	0.80	-328.55	307.04	0.70	0.04	0.30	336.73	446.91	VERIFICA	14.14	13.21
		M _{des}	-81.47	-296.04	-33.49	-56.51	-37.65	-24.45	-114.97	352.55	-220.73	387.03	387.03	362.59	-411.48	0.30	0.80	309.98	-331.08	0.70	0.04	0.30	336.73	446.91	VERIFICA	14.24	13.34
		M _{int}	86.51	-314.40	35.57	60.02	-48.08	-31.37	122.08	-374.41	234.40	-411.04	-411.04	-442.41	379.66	0.30	0.80	-360.85	328.21	0.70	0.04	0.30	336.73	446.91	VERIFICA	15.53	14.12
9	2-10	M _{int}	-7.44	38.80	-3.14	-5.30	-28.39	-16.18	-10.58	44.10	-23.81	47.27	47.27	31.09	-63.46	0.80	0.30	30.78	-57.51	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.16	4.37
		M _{des}	7.06	-36.79	2.98	5.02	-30.37	-17.33	10.03	-41.81	22.57	-44.82	-44.82	-62.14	27.49	0.80	0.30	-56.13	27.11	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.97	3.85
		M _{int}	-7.19	37.47	-3.03	-5.11	-29.96	-17.08	-10.22	42.58	-22.99	45.65	45.65	28.56	-62.73	0.80	0.30	28.33	-56.64	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.04	4.02
10	3-11	M _{int}	7.57	-39.49	3.19	5.39	-26.48	-15.10	10.77	-44.88	24.23	-48.11	-48.11	-63.21	33.01	0.80	0.30	-57.24	32.90	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.13	4.67
		M _{des}	-4.13	32.63	-1.81	-3.05	-27.63	-15.80	-5.94	35.68	-16.64	37.46	37.46	21.66	-53.26	0.80	0.30	20.59	-48.25	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.85	2.92
		M _{int}	2.95	-23.36	1.29	2.18	-29.21	-16.76	4.24	-25.54	11.90	-26.81	-26.81	-43.57	10.05	0.80	0.30	-38.50	8.92	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.47	1.27
11	11-19	M _{int}	-20.67	164.00	-9.05	-15.26	-30.28	-17.74	-29.71	179.27	-83.49	188.18	188.18	170.44	-205.92	0.80	0.30	159.39	-187.80	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.08	6.86
		M _{des}	30.67	-242.65	13.43	22.67	-30.80	-18.49	44.10	-265.32	123.70	-278.55	-278.55	-297.04	260.06	0.30	0.80	-248.60	230.71	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.70	9.93
		M _{int}	-22.11	288.27	-10.31	-17.40	-73.74	-40.38	-32.42	305.66	-124.12	315.39	315.39	275.01	-355.77	0.30	0.80	244.10	-286.70	0.70	0.04	0.30	336.73	446.91	VERIFICA	12.33	10.50
12	4-12	M _{int}	20.79	-271.48	9.70	16.36	-47.75	-30.79	30.49	-287.84	116.84	-296.99	-296.99	-327.77	266.20	0.30	0.80	-260.27	233.72	0.70	0.04	0.30	336.73	446.91	VERIFICA	11.20	10.06
		M _{des}	-21.06	274.97	-9.82	-16.57	-54.47	-16.66	-30.88	291.54	-118.34	300.81	300.81	284.15	-317.47	0.30	0.80	241.78	-256.48	0.70	0.04	0.30	336.73	446.91	VERIFICA	11.03	10.40
		M _{int}	22.39	-291.88	10.44	17.61	-61.67	-21.74	32.82	-309.49	125.67	-319.34	-319.34	-341.08	297.59	0.30	0.80	-279.24	256.07	0.70	0.04	0.30	336.73	446.91	VERIFICA	12.01	11.02
13	5-13	M _{int}	3.42	163.25	-0.89	-1.51	-77.88	-42.44	4.32	164.76	53.74	166.05	166.05	123.61	-208.50	0.80	0.30	123.26	-186.05	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.00	5.30
		M _{des}	-4.47	-214.03	1.20	2.02	-128.93	-67.54	-5.67	-216.05	-70.49	-217.75	-217.75	-285.29	150.22	0.30	0.80	-221.45	147.18	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.53	6.33
		M _{int}	4.61	-220.77	-1.24	-2.09	-57.56	-43.40	5.85	222.85	72.70	224.60	224.60	181.21	-268.00	0.30	0.80	170.54	-213.11	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.17	7.34
14	13-21	M _{int}	-3.48	-165.92	0.91	1.53	-39.84	-27.09	-4.38	-167.44	-54.62	-168.76	-168.76	-195.85	141.67	0.80	0.30	-176.28	136.65	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.58	5.88
		M _{des}	14.61	159.38	4.34	7.32	-87.42	-47.49	18.95	166.71	68.96	172.39	172.39	124.91	-219.88	0.80	0.30	124.89	-196.18	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.44	5.37
		M _{int}	-19.16	-209.70	-5.69	-9.61	-126.02	-68.90	-24.86	-219.31	-90.65	-226.77	-226.77	-295.66	157.87	0.30	0.80	-229.09	154.53	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.86	6.65
15	14-22	M _{int}	18.29	200.56	5.43	9.17	-120.68	-64.25	23.72	209.73	86.64	216.85	216.85	152.59	-281.10	0.30	0.80	149.04	-221.83	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.54	6.41
		M _{des}	-9.93	-108.59	-2.95	-4.97	-88.47	-47.79	-12.88	-113.57	-46.95	-117.43	-117.43	-165.22	69.64	0.80	0.30	-144.02	69.34	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.20	2.98
		M _{int}	11.30	122.72	3.36	5.66	-55.02	-31.99	14.66	128.39	53.17	132.78	132.78	100.79	-164.77	0.80	0.30	91.44	-142.73	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.14	3.93
16	22-25	M _{int}	-21.53	-235.31	6.40	-10.79	-51.40	-28.68	-27.93	-246.10	-101.76	-254.48	-254.48	-283.16	225.80	0.30	0.80	-225.09	200.14	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.68	8.61
		M _{des}	22.82	248.49	6.78	11.45	-26.85	-15.91	29.61	259.93	107.59	268.82	268.82	252.90	-284.73	0.30	0.80	212.90	-214.92	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.25	9.16
		M _{int}	-15.69	-170.19	-4.66	-7.86	-24.98	-14.78	-20.35	-178.05	-73.76	-184.16	-184.16	-198.94	169.37	0.80	0.30	-172.86	154.27	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.44	6.64
17	7-15	M _{int}	29.10	156.06	10.03	16.92	-94.59	-53.22	39.13	172.97	91.02	184.71	184.71	131.49	-237.93	0.80	0.30	130.89	-212.14	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.13	5.63
		M _{des}	-37.69	-202.22	-13.00	-21.93	-131.76	-75.87	-50.69	-224.15	-117.93	-239.36	-239.36	-315.23	163.48	0.30	0.80	-243.87	158.30	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.45	6.81
		M _{int}	47.20	253.54	16.29	27.49	-133.61	-69.71	63.50	281.03	147.80	300.08	300.08	230.37	-369.78	0.30	0.80	212.51	-284.63	0.70	0.04	0.30	336.73	446.91	VERIFICA	12.25	9.19
18	15-23	M _{int}	-49.07	-263.60	-16.94	-28.58	-118.49	-63.61	-66.01	-292.18	-153.66	-311.98	-311.98	-375.60	248.37	0.30	0.80	-291.46	230.50	0.70	0.04	0.30	336.73	446.91	VERIFICA	12.54	9.92
		M _{des}	7.95	42.68	2.75	4.64	-77.67	-40.42	10.70	47.32	24.89	50.53	50.53	10.10	-90.95	0.30	0.80	-6.14	-55.30	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.85	0.87
		M _{int}	-6.18	-33.17	-2.14	-3.60	-73.94	-38.41	-8.32	-36.77	-19.35	-39.27	-39.27	-77.68	0.86	0.80	0.30	-64.48	-5.07	0.24	0.04	0.90	92.76	123.11	VERIFICA	9.15	0.72
19	26-29	M _{int}	23.48	125.90	8.07	13.62	-55.95	-29.70	31.56	139.52	73.41	148.99	148.99	119.28	-178.69	0.80	0.30	114.19	-155.14	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.67	4.91
		M _{des}	-26.17	-140.31	-9.00	-15.19	-47.32	-24.46	-35.17	-155.50	-81.82	-166.05	-166.05	-190.52	141.59	0.80	0.30	-167.45	136.02	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.20	5.85
		M _{int}																									

3		M _{des}	-236.01	7.06	-2.91	-4.92	-99.41	-51.81	-238.92	11.98	-242.51	83.65	-242.51	-294.32	190.70	0.30	0.80	-219.98	172.00	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.46	7.40
	11-12	M _{int}	206.15	-6.17	2.54	4.29	-54.18	-38.61	208.70	-10.46	211.83	-73.07	211.83	178.22	-245.44	0.30	0.80	154.11	-178.99	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.70	6.63
		M _{des}	-135.38	4.05	-1.67	-2.82	-67.58	-37.49	-137.06	6.87	-139.12	47.99	-139.12	-176.61	101.62	0.80	0.30	-151.31	92.96	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.51	4.00
	12-13	M _{int}	17.59	-0.53	0.22	0.37	-82.15	-52.24	17.80	-0.90	18.07	6.24	18.07	-34.17	-70.31	0.80	0.30	-25.17	-58.88	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.36	3.57
		M _{des}	-19.54	0.59	-0.24	-0.41	-81.68	-51.96	-19.78	0.99	-20.08	6.93	-20.08	-72.03	-31.88	0.80	0.30	-60.62	-22.90	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.61	3.25
	13-14	M _{int}	104.51	-3.13	1.29	2.18	-50.89	-31.08	105.80	-5.31	107.39	-37.05	107.39	76.32	-138.47	0.80	0.30	74.26	-128.30	0.70	0.04	0.30	336.73	446.91	VERIFICA	5.52	3.19
		M _{des}	-81.90	2.45	-1.01	-1.71	-36.40	-21.81	-82.91	4.16	-84.16	29.03	-84.16	-105.97	62.34	0.80	0.30	-96.40	59.69	0.70	0.04	0.30	336.73	446.91	VERIFICA	4.15	2.57
	14-15	M _{int}	81.17	-2.43	1.01	1.70	-42.19	-25.15	82.18	-4.13	83.41	-28.78	83.41	58.27	-108.56	0.80	0.30	56.49	-98.77	0.70	0.04	0.30	336.73	446.91	VERIFICA	4.25	2.43
		M _{des}	-102.64	3.07	-1.27	-2.14	-36.85	-22.22	-103.91	5.22	-105.48	36.39	-105.48	-127.70	83.26	0.80	0.30	-118.09	81.30	0.70	0.04	0.30	336.73	446.91	VERIFICA	5.08	3.50
	15-16	M _{int}	21.49	-0.64	0.27	0.45	-54.46	-34.12	21.76	-1.09	22.08	-7.62	22.08	-12.04	-56.21	0.80	0.30	-7.63	-48.90	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.94	1.08
4		M _{des}	-27.84	0.83	-0.34	-0.58	-48.20	-30.32	-28.18	1.41	-28.60	9.87	-28.60	-58.92	-1.71	0.80	0.30	-51.83	2.48	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.36	0.35
	17-18	M _{int}	126.04	5.86	-3.12	-5.26	-63.74	-40.49	129.16	11.12	132.49	49.87	132.49	92.01	-172.98	0.80	0.30	91.44	-155.89	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.71	3.93
		M _{des}	-162.07	-7.53	4.01	6.77	-75.58	-49.42	-166.08	-14.30	-170.37	-64.12	-170.37	-219.79	120.96	0.30	0.80	-172.91	118.13	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.44	5.08
	18-19	M _{int}	181.07	8.43	-4.49	-7.57	-48.88	-31.44	185.56	16.00	190.36	71.67	190.36	158.92	-221.79	0.30	0.80	148.53	-175.08	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.53	6.39
		M _{des}	-104.09	-4.86	2.58	4.35	-53.69	-34.76	-106.67	-9.22	-109.44	-41.22	-109.44	-144.19	74.68	0.80	0.30	-126.44	71.03	0.70	0.04	0.30	336.73	446.91	VERIFICA	5.44	3.06
	19-20	M _{int}	70.10	-3.21	-1.73	-2.91	-52.28	-33.85	71.82	-6.13	73.66	-27.67	73.66	39.81	-107.51	0.80	0.30	38.36	-94.83	0.70	0.04	0.30	336.73	446.91	VERIFICA	4.08	1.65
		M _{des}	-68.94	3.15	1.70	2.86	-35.88	-23.50	-70.63	6.01	-72.44	27.20	-72.44	-95.93	48.94	0.80	0.30	-84.25	46.48	0.70	0.04	0.30	336.73	446.91	VERIFICA	3.62	2.00
	20-21	M _{int}	106.39	4.99	-2.64	-4.46	-74.22	-48.84	109.03	9.44	111.86	42.15	111.86	63.02	-160.71	0.80	0.30	60.53	-139.55	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.00	2.60
		M _{des}	-171.89	-8.03	4.26	7.19	-90.95	-60.54	-176.15	-15.22	-180.72	-68.07	-180.72	-241.25	120.18	0.30	0.80	-182.83	111.57	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.87	4.80
	21-22	M _{int}	211.25	9.80	-5.23	-8.83	-33.38	-20.65	216.48	18.63	222.07	83.57	222.07	201.42	-242.72	0.30	0.80	175.30	-190.98	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.22	7.54
5		M _{des}	-223.87	-10.40	5.54	9.35	-54.78	-36.66	-229.42	-19.75	-235.34	-88.57	-235.34	-272.00	198.68	0.30	0.80	-217.54	175.29	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.36	7.54
	22-23	M _{int}	32.03	1.49	-0.79	-1.34	-31.21	-17.79	32.82	2.83	33.67	12.68	33.67	15.88	-51.47	0.30	0.80	12.79	-37.57	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.33	1.82
		M _{des}	-30.97	-1.44	0.77	1.29	-29.90	-17.11	-31.74	-2.73	-32.56	-12.25	-32.56	-49.67	15.44	0.80	0.30	-44.50	14.33	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.32	2.03
	23-24	M _{int}	27.86	1.30	-0.69	-1.16	-35.94	-20.52	28.55	2.46	29.28	11.02	29.28	8.76	-49.80	0.80	0.30	7.02	-44.60	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.33	1.00
		M _{des}	-29.75	-1.39	0.74	1.24	-31.11	-17.71	-30.49	-2.63	-31.28	-11.78	-31.28	-48.99	13.56	0.80	0.30	-43.95	11.98	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.24	1.70
	25-26	M _{int}	32.68	2.65	-1.74	-2.93	-30.10	-17.16	34.41	5.58	36.09	15.91	36.09	18.93	-53.24	0.80	0.30	17.86	-47.80	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.79	2.54
		M _{des}	-31.99	-2.58	1.70	2.87	-30.55	-17.30	-33.69	-5.45	-35.33	-15.56	-35.33	-52.63	18.02	0.30	0.80	-38.10	15.15	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.41	2.15
	26-27	M _{int}	208.93	16.85	-11.11	-18.75	-41.89	-25.68	220.04	35.59	230.72	101.60	230.72	205.03	-256.40	0.30	0.80	181.28	-209.37	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.01	7.80
		M _{des}	-211.66	-17.11	11.26	19.00	-35.08	-21.21	-222.92	-36.11	-233.76	-102.99	-233.76	-254.97	212.54	0.30	0.80	-208.63	188.11	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.98	8.09
	28-29	M _{int}	213.90	24.94	-17.28	-29.15	-57.96	-37.31	231.17	54.09	247.40	123.44	247.40	210.09	-284.70	0.30	0.80	187.40	-229.76	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.89	8.06
		M _{des}	-197.22	-22.94	15.93	26.87	-31.33	-20.80	-213.15	-49.81	-228.09	-113.76	-228.09	-248.90	207.29	0.30	0.80	-196.65	181.91	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.46	7.83
6	29-30	M _{int}	189.93	22.10	-15.34	-25.88	-50.51	-32.75	205.27	47.98	219.66	109.56	219.66	186.91	-252.42	0.30	0.80	167.85	-201.68	0.70	0.04	0.30	336.73	446.91	VERIFICA	8.68	7.22
		M _{des}	-206.15	-24.04	16.65	28.09	-50.02	-32.73	-222.80	-52.13	-238.44	-118.97	-238.44	-271.16	205.71	0.30	0.80	-220.43	186.64	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.48	8.03
	1-9	M _{int}	-76.87	-28.77	-31.62	-53.36	-51.91	-33.69	-108.49	332.12	-208.13	364.67	364.67	330.98	-398.36	0.30	0.80	289.47	-325.66	0.70	0.04	0.30	336.73	446.91	VERIFICA	14.01	12.45
		M _{des}	-70.62	-25.97	29.05	49.01	-36.15	-23.63	99.67	-304.98	191.17	-334.88	-334.88	-358.51	311.26	0.30	0.80	-287.45	268.11	0.70	0.04	0.30	336.73	446.91	VERIFICA	12.37	11.53
	9-17	M _{int}	-71.37	258.66	-29.35	-49.53	-36.46	-23.71	-100.72	308.19	-193.18	338.41	338.41	314.69	-362.12	0.30	0.80	269.63	-289.37	0.70	0.04	0.30	336.73	446.91	VERIFICA	12.45	11.60
		M _{des}	77.67	-281.67	31.95	53.91	-48.08	-31.34	109.62	-335.58	210.29	-368.46	-368.46	-399.80	337.12	0.30	0.80	-325.78	293.33	0.70	0.04	0.30	336.73	446.91	VERIFICA	14.02	12.62
	2-10	M _{int}	-7.22	37.33	-3.04	-5.14	-28.27	-16.11	-10.27	42.47	-23.01	45.55	45.55	29.43	-61.66	0.80	0.30	29.00	-55.83	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.93	4.12
		M _{des}	6.76	-34.95	2.85	4.81	-30.25	-17.26	9.61	-39.76	21.54	-42.64	-42.64	-59.90	25.38	0.80	0.30	-54.00	24.88	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.67	3.53
	10-18	M _{int}	-6.89	35.58	-2.90	-4.90	-30.00	-17.11	-9.79	40.47	-21.93	43.41	43.41	26.30	-60.52	0.80	0.30	25.94	-54.55	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.75	3.68
		M _{des}	7.35	-37.97	3.10	5.22	-26.23	-14.95	10.44	-43.19	23.40	-46.32	-46.32	-61.27	31.37	0.80	0.30	-55.44	31.14	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.87	4.42
7	3-11	M _{int}	-4.07	31.68	-1.78	-3.01	-27.56	-15.75	-5.86	34.69	-16.26	36.45	36.45	20.70	-52.20	0.80	0.30	19.55	-47.26	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.71	2.78
		M _{des}	2.85	-22.18	1.25	2.11	-29.06	-16.68	4.10	-24.29	11.39	-25.52	-25.52	-42.19	8.84	0.80	0.30	-37.20	7.64	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.28	1.08
	11-19	M _{int}	-18.46	143.54	-8.07	-13.62	-29.93	-17.54	-26.53	157.17	-73.68	165.13	165.13	147.59	-182.66	0.80	0.30	138.07	-166.08	0.70	0.04	0.30	336.73	446.91	VERIFICA	7.15	5.94
		M _{des}	28.21	-129.53	12.34	20.83	-30.43	-18.21	40.55	-240.36	112.66	-252.52	-252.52	-270.73	234.31	0.30	0.80	-226.39	209.05	0.70	0.04	0.30	336.73	446.91	VERIFICA	9.74	8.99
	4-12																										

14	16-24	M _{int}	11.01	36.99	3.98	6.72	-75.35	-43.64	14.99	43.71	28.11	48.21	48.21	4.56	-91.85	0.30	0.80	-9.07	-62.21	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.83	1.29
		M _{des}	-10.93	-36.71	-3.95	-6.67	-72.96	-42.20	-14.88	-43.38	-27.89	-47.84	-47.84	-90.04	5.64	0.30	0.80	-60.64	-7.74	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.61	1.10
	24-27	M _{int}	60.74	203.90	21.94	37.01	-53.85	-31.56	82.68	240.92	154.95	265.72	265.72	234.16	-297.28	0.30	0.80	209.70	-235.16	0.70	0.04	0.30	336.73	446.91	VERIFICA	10.12	9.02
		M _{des}	-30.81	-103.33	-11.13	-18.78	-36.10	-21.29	-41.94	-122.11	-78.57	-134.69	-134.69	-155.97	113.40	0.80	0.30	-133.51	103.39	0.70	0.04	0.30	336.73	446.91	VERIFICA	5.74	4.45
	27-30	M _{int}	21.24	71.20	7.67	12.93	-29.62	-17.49	28.91	84.13	54.15	92.80	92.80	75.32	-110.29	0.80	0.30	70.12	-93.11	0.70	0.04	0.30	336.73	446.91	VERIFICA	4.01	3.02
		M _{des}	-35.08	-117.65	-12.66	-21.36	-27.43	-16.08	-47.74	-139.01	-89.44	-153.34	-153.34	-169.41	137.26	0.80	0.30	-152.36	131.93	0.70	0.04	0.30	336.73	446.91	VERIFICA	6.56	5.68

PIANO 4																											
Telaio	Campate	Sollecitazione	F _y	F _x	F _y E _y =M(F _y)	F _x E _x =M(F _x)	Q _{max}	Q _{min}	sisma x	sisma y	sisma x + 0.3 sisma y	sisma y + 0.3 sisma x	M tra sis	Q _{int} +F	Q _{int} -F	b pil	h pil	q ⁺ F _{spu}	q ⁻ F _{spu}	h tra	copriferro c	b tra	semplice arm	doppia arma	Med<Mrd	A's	As
1	1-2	M _{int}	102.89	-7.14	4.80	8.10	-122.63	-73.03	107.69	-15.24	112.26	-47.55	112.26	39.23	-185.29	0.70	0.30	30.69	-163.44	0.60	0.04	0.30	242.42	321.74	VERIFICA	8.29	1.56
		M _{des}	-120.86	8.37	-5.64	-9.52	-152.08	-90.00	-126.50	17.89	-131.87	55.84	-131.87	-221.87	41.87	0.30	0.70	-168.72	19.79	0.60	0.04	0.30	242.42	321.74	VERIFICA	8.56	1.00
	2-3	M _{int}	152.30	-10.60	7.07	11.93	-85.43	-53.17	159.37	-22.53	166.13	-70.34	166.13	112.96	-219.30	0.30	0.70	112.26	-163.77	0.60	0.04	0.30	242.42	321.74	VERIFICA	8.30	5.69
		M _{des}	-157.04	10.91	-7.29	-12.30	-94.24	-58.97	-164.34	23.21	-171.30	72.51	-171.30	-230.27	112.33	0.30	0.70	-173.76	112.06	0.60	0.04	0.30	242.42	321.74	VERIFICA	8.81	5.68
	3-4	M _{int}	51.68	-3.51	2.41	4.07	-45.11	-26.24	54.09	-7.57	56.36	-23.80	56.36	30.13	-82.60	0.30	0.70	22.75	-50.22	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.13	3.23
2		M _{des}	-49.81	3.37	-2.32	-3.92	-52.20	-30.97	-52.13	7.29	-54.32	22.93	-54.32	-85.29	23.35	0.70	0.30	-70.96	19.72	0.24	0.04	0.90	92.76	123.11	VERIFICA	10.07	2.80
	5-6	M _{int}	155.87	-10.95	7.39	12.48	-56.96	-36.63	163.27	-23.42	170.29	-72.40	170.29	133.66	-206.93	0.30	0.70	122.34	-169.20	0.60	0.04	0.30	242.42	321.74	VERIFICA	8.58	6.20
		M _{des}	-145.51	10.24	-6.90	-11.65	-17.10	-13.64	-152.42	21.89	-158.98	67.62	-158.98	-172.62	145.34	0.30	0.70	-138.33	130.60	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.01	6.62
	6-7	M _{int}	151.52	-10.71	7.21	12.17	-63.59	-36.02	158.74	-22.88	165.60	-70.50	165.60	129.58	-201.62	0.30	0.70	119.77	-164.04	0.60	0.04	0.30	242.42	321.74	VERIFICA	8.32	6.07
		M _{des}	-152.00	10.74	-7.24	-12.21	-40.24	-23.90	-159.23	22.94	-166.11	70.71	-166.11	-190.02	142.21	0.30	0.70	-154.17	130.67	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.82	6.63
3	7-8	M _{int}	139.21	-9.40	6.61	11.16	-57.46	-33.09	145.82	-20.96	152.11	-64.70	152.11	119.01	-185.20	0.30	0.70	111.96	-150.33	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.62	5.68
		M _{des}	-148.57	10.44	-7.05	-11.90	-58.69	-33.73	-155.63	22.34	-162.33	69.03	-162.33	-196.06	128.60	0.30	0.70	-161.11	121.62	0.60	0.04	0.30	242.42	321.74	VERIFICA	8.17	6.17
	9-10	M _{int}	99.88	-3.06	1.25	2.10	-117.78	-62.25	101.12	-5.17	102.67	-35.50	102.67	40.42	-164.92	0.70	0.30	33.80	-146.16	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.41	1.71
		M _{des}	-116.64	3.58	-1.46	-2.46	-138.91	-72.87	-118.10	6.04	-119.91	41.46	-119.91	-192.77	47.04	0.30	0.70	-147.63	30.23	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.49	1.53
	10-11	M _{int}	156.75	-4.82	1.95	3.30	-81.94	-44.01	158.70	-8.12	161.14	-55.73	161.14	117.13	-205.15	0.30	0.70	113.12	-155.79	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.90	5.74
4		M _{des}	-154.72	4.76	-1.93	-3.25	-95.71	-49.59	-156.65	8.01	-159.05	55.01	-159.05	-208.64	109.47	0.30	0.70	-158.35	106.39	0.60	0.04	0.30	242.42	321.74	VERIFICA	8.03	5.39
	11-12	M _{int}	139.42	-4.30	1.74	2.93	-50.24	-30.52	141.15	-7.23	143.32	-49.57	143.32	112.80	-173.84	0.30	0.70	103.16	-128.32	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.51	5.23
		M _{des}	-98.19	3.03	-1.22	-2.06	-65.96	-35.98	-99.42	5.09	-100.94	34.91	-100.94	-136.92	64.97	0.70	0.30	-116.88	61.36	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.93	3.11
	12-13	M _{int}	20.38	-0.62	0.25	0.43	-81.73	-51.98	20.63	-1.05	20.95	-7.24	20.95	-31.04	-72.93	0.70	0.30	-22.21	-61.32	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.71	3.15
		M _{des}	-22.06	0.67	-0.28	-0.47	-81.25	-51.61	-22.33	1.14	-22.68	7.84	-22.68	-74.28	-28.93	0.70	0.30	-62.69	-20.13	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.90	2.86
5	13-14	M _{int}	76.53	-2.35	0.95	1.61	-46.23	-27.81	77.48	-3.96	78.67	-27.21	78.67	50.86	-106.48	0.70	0.30	50.01	-98.10	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.97	2.54
		M _{des}	-64.24	1.97	-0.80	-1.35	-33.04	-19.32	-65.04	3.32	-66.04	22.84	-66.04	-85.36	46.72	0.70	0.30	-77.52	45.32	0.60	0.04	0.30	242.42	321.74	VERIFICA	3.93	2.30
	14-15	M _{int}	63.99	-1.96	0.80	1.35	-38.35	-22.39	64.78	-3.31	65.78	-22.74	65.78	43.39	-88.16	0.70	0.30	42.66	-80.07	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.06	2.16
		M _{des}	-76.18	2.34	-0.95	-1.60	-35.48	-21.05	-77.13	3.94	-78.31	27.08	-78.31	-99.37	57.26	0.70	0.30	-91.36	56.45	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.63	2.86
	15-16	M _{int}	21.63	-0.66	0.27	0.46	-54.46	-34.06	21.90	-1.12	22.23	-7.69	22.23	-11.82	-56.29	0.70	0.30	-7.36	-49.02	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.96	1.05
6		M _{des}	-26.22	0.80	-0.33	-0.56	-47.55	-29.98	-26.55	1.36	-26.95	9.32	-26.95	-56.93	-3.02	0.70	0.30	-49.90	1.20	0.24	0.04	0.90	92.76	123.11	VERIFICA	7.08	0.17
	17-18	M _{int}	91.12	-4.41	-2.21	-3.74	-65.31	-41.62	93.34	8.14	95.78	36.14	95.78	54.16	-137.39	0.70	0.30	51.31	-123.13	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.24	2.60
		M _{des}	-107.96	-5.20	2.62	4.42	-76.18	-49.32	-110.57	-9.62	-113.46	-42.79	-113.46	-162.78	64.14	0.30	0.70	-128.52	56.51	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.52	2.87
	18-19	M _{int}	119.10	5.77	-2.89	-4.87	-49.30	-31.42	121.99	10.64	125.18	47.23	125.18	93.76	-156.60	0.30	0.70	92.35	-123.99	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.29	4.68
		M _{des}	-75.06	-3.68	1.83	3.08	-49.05	-31.60	-76.89	-6.76	-78.91	-29.82	-78.91	-110.51	47.32	0.70	0.30	-96.52	46.73	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.89	2.37
7	19-20	M _{int}	62.38	3.02	-1.53	-2.58	-46.11	-29.69	63.91	5.60	65.59	24.77	65.59	35.90	-95.28	0.70	0.30	34.87	-83.69	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.24	1.77
		M _{des}	-61.55	-2.97	1.51	2.54	-34.93	-22.70	-63.06	-5.52	-64.71	-24.43	-64.71	-87.42	42.01	0.70	0.30	-76.51	40.31	0.60	0.04	0.30	242.42	321.74	VERIFICA	3.88	2.04
	20-21	M _{int}	77.46	3.80	-1.89	-3.19	-76.01	-49.96	79.35	7.00	81.45	30.80	81.45	31.49	-131.40	0.70	0.30	26.38	-113.32	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.75	1.34
		M _{des}	-115.84	-5.63	2.82	4.76	-91.27	-60.56	-118.66	-10.39	-121.78	-45.99	-121.78	-182.34	61.22	0.30	0.70	-138.58	47.72	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.03	2.42
	21-22	M _{int}	133.31	6.40	-3.21	-5.42	-33.27	-20.56	136.52	11.83	140.07	52.78	140.07	119.51	-160.62	0.30	0.70	109.00	-128.56	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.52	5.53
8		M _{des}	-138.78	-6.65	3.34	5.64	-51.54	-34.10	-142.12	-12.29	-145.81	-54.93	-145.81	-179.91	111.71	0.30	0.70	-145.83	103.21	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.39	5.23
	22-23	M _{int}	30.82	1.49	-0.75	-1.27	-31.10	-17.72	31.57	2.76	32.39	12.23	32.39	14.68													

10		M _{des}	12.63	-154.59	5.78	9.75	-48.83	-30.64	18.41	-164.34	67.71	-169.86	-169.86	-200.50	139.22	0.30	0.70	-160.70	129.22	0.60	0.04	0.30	242.42	321.74	VERIFICA	8.15	6.55
	12-20	M _{int}	-12.78	156.37	-5.84	-9.86	-53.80	-15.77	-18.62	166.23	-68.49	171.82	171.82	156.05	-187.59	0.30	0.70	137.93	-154.29	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.82	6.99
		M _{des}	13.40	-164.62	6.11	10.31	-58.10	-19.83	19.51	-174.93	71.99	-180.78	-180.78	-200.61	160.96	0.30	0.70	-166.71	143.43	0.60	0.04	0.30	242.42	321.74	VERIFICA	8.45	7.27
11	5-13	M _{int}	2.19	104.05	-0.76	-1.29	-81.62	-44.31	2.95	105.34	34.55	106.22	106.22	61.91	-150.53	0.70	0.30	58.03	-132.63	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.73	2.94
		M _{des}	-2.67	-127.05	0.96	1.62	-125.64	-65.33	-3.63	-128.67	-42.23	-129.76	-129.76	-195.09	64.42	0.30	0.70	-150.42	52.46	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.63	2.66
	13-21	M _{int}	2.75	130.80	-0.99	-1.67	-55.55	-41.49	3.74	132.47	43.48	133.59	133.59	92.10	-175.08	0.30	0.70	91.26	-139.00	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.05	4.63
12		M _{des}	-2.22	-105.82	0.78	1.31	-42.23	-28.81	-3.00	-107.13	-35.14	-108.03	-108.03	-136.84	79.23	0.70	0.30	-122.17	78.79	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.19	4.00
	6-14	M _{int}	9.07	100.92	2.60	4.39	-92.34	-50.06	11.67	105.32	43.27	108.82	108.82	58.76	-158.88	0.70	0.30	54.25	-139.99	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.10	2.75
		M _{des}	-11.04	-123.54	-3.16	-5.33	-123.00	-66.66	-14.21	-128.87	-52.87	-133.13	-133.13	-199.79	66.47	0.30	0.70	-153.43	53.65	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.78	2.72
	14-22	M _{int}	10.80	121.57	3.10	5.22	-119.33	-63.00	13.89	126.79	51.93	130.96	130.96	67.96	-193.96	0.30	0.70	56.55	-151.68	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.69	2.87
		M _{des}	-6.64	-74.93	-1.91	-3.22	-87.30	-46.71	-8.55	-78.15	-31.99	-80.71	-80.71	-127.43	34.00	0.70	0.30	-110.33	30.13	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.59	1.53
	22-25	M _{int}	7.43	82.35	2.14	3.61	-46.48	-27.42	9.57	85.96	35.36	88.83	88.83	61.41	-116.25	0.70	0.30	57.64	-100.74	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.11	2.92
		M _{des}	-12.46	-138.14	-3.58	-6.05	-56.04	-30.73	-16.05	-144.19	-59.30	-149.00	-149.00	-179.73	118.27	0.30	0.70	-142.91	110.09	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.25	5.58
	25-28	M _{int}	12.13	133.11	3.46	5.84	-22.37	-13.24	15.59	138.95	57.27	143.62	143.62	130.38	-156.86	0.30	0.70	115.48	-117.87	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.98	5.86
		M _{des}	-9.28	-102.37	-2.65	-4.48	-29.77	-17.46	-11.93	-106.84	-43.98	-110.42	-110.42	-127.88	92.96	0.70	0.30	-110.79	86.96	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.62	4.41
13	7-15	M _{int}	18.64	98.53	6.32	10.66	-99.88	-56.20	24.96	109.18	57.71	116.67	116.67	60.47	-172.87	0.70	0.30	55.05	-152.14	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.71	2.79
		M _{des}	-22.50	-119.14	-7.62	-12.86	-128.20	-73.29	-30.12	-132.01	-69.72	-141.04	-141.04	-214.33	67.75	0.30	0.70	-163.60	52.74	0.60	0.04	0.30	242.42	321.74	VERIFICA	8.30	2.67
	15-23	M _{int}	25.96	137.53	8.76	14.78	-132.42	-68.50	34.71	152.31	80.40	162.72	162.72	94.22	-231.22	0.30	0.70	89.11	-177.81	0.60	0.04	0.30	242.42	321.74	VERIFICA	9.02	4.52
		M _{des}	-26.89	-142.38	-9.07	-15.30	-116.47	-62.23	-35.96	-157.68	-83.26	-168.47	-168.47	-230.70	106.25	0.30	0.70	-178.20	102.05	0.60	0.04	0.30	242.42	321.74	VERIFICA	9.04	5.17
	23-26	M _{int}	7.75	41.15	2.64	4.45	-77.60	-40.42	10.39	45.61	24.07	48.72	48.72	8.31	-89.14	0.30	0.70	-6.06	-58.04	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.24	0.86
		M _{des}	-6.31	-33.56	-2.16	-3.64	-73.45	-38.13	-8.46	-37.20	-19.62	-39.73	-39.73	-77.86	1.60	0.70	0.30	-64.72	-4.37	0.24	0.04	0.90	92.76	123.11	VERIFICA	9.19	0.62
	26-29	M _{int}	14.08	74.50	4.74	8.00	-47.07	-25.10	18.82	82.50	43.57	88.14	88.14	63.04	-113.24	0.70	0.30	62.93	-95.94	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.86	3.19
14		M _{des}	-16.52	-87.49	-5.58	-9.41	-57.51	-29.57	-22.09	-96.90	-51.16	-103.52	-103.52	-133.09	73.96	0.70	0.30	-115.38	73.67	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.85	3.74
	8-16	M _{int}	27.33	89.48	9.67	16.31	-65.49	-37.05	37.00	105.79	68.74	116.89	116.89	79.85	-153.94	0.70	0.30	79.80	-138.33	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.01	4.05
		M _{des}	-34.36	-112.28	-12.12	-20.45	-63.02	-35.80	-46.47	-132.73	-86.29	-146.67	-146.67	-182.47	110.87	0.30	0.70	-146.21	110.59	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.41	5.61
	16-24	M _{int}	10.79	35.44	3.84	6.47	-75.73	-43.84	14.63	41.92	27.20	46.30	46.30	2.46	-90.14	0.30	0.70	-9.76	-64.45	0.24	0.04	0.90	92.76	123.11	VERIFICA	9.15	1.39
		M _{des}	-10.74	-35.28	-3.82	-6.44	-72.52	-41.95	-14.56	-41.72	-27.07	-46.09	-46.09	-88.04	4.14	0.30	0.70	-62.61	-7.81	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.89	1.11
	24-27	M _{int}	38.33	125.20	13.51	22.79	-51.13	-29.81	51.84	147.99	96.23	163.54	163.54	133.73	-193.34	0.30	0.70	125.11	-153.26	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.77	6.34
		M _{des}	-21.98	-71.88	-7.76	-13.10	-38.13	-22.22	-29.74	-84.98	-55.23	-93.90	-93.90	-116.12	71.68	0.70	0.30	-99.56	67.37	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.05	3.42
	27-30	M _{int}	18.26	60.09	6.51	10.98	-29.64	-17.36	24.77	71.07	46.09	78.50	78.50	61.14	-95.86	0.70	0.30	58.16	-81.39	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.13	2.95
		M _{des}	-26.49	-86.91	-9.40	-15.86	-29.48	-17.19	-35.90	-102.78	-66.73	-113.54	-113.54	-130.73	96.35	0.70	0.30	-116.27	93.36	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.90	4.73

PIANO 5																											
Telaio	Campate	Sollecitazione	F _x	F _y	F _x F _y =M(F _x)	F _x F _y =M(F _y)	Q _{max}	Q _{min}	sisma x	sisma y	sisma x + 0.3 sisma y	sisma y + 0.3 sisma x	M tra sis	Q _{min} +F	Q _{min} -F	b pil	h pil	q+Fspu	q-Fspu	h tra	copriferro c	b tra	semplice arm	doppia arma	Med<MRd	A's	As
1	1-2	M _{int}	71.46	-7.13	3.38	5.70	-143.21	-84.13	74.84	-12.82	78.68	-35.27	78.68	-5.44	-162.81	0.70	0.30	5.61	-142.56	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.23	0.28
		M _{des}	-81.66	7.99	-3.86	-6.51	-142.08	-84.40	-85.51	14.50	-89.86	40.15	-89.86	-174.26	5.46	0.30	0.70	-126.98	-20.37	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.44	1.03
	2-3	M _{int}	90.51	-9.87	4.23	7.14	-78.97	-49.95	94.75	-17.01	99.85	-45.43	99.85	49.90	-149.80	0.30	0.70	39.98	-105.82	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.37	2.03
		M _{des}	-94.75	10.34	-4.44	-7.48	-99.30	-61.41	-99.19	17.82	-104.53	47.58	-104.53	-165.94	43.12	0.30	0.70	-120.05	31.30	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.09	1.59
	3-4	M _{int}	36.72	-3.54	1.74	2.93	-41.49	-24.26	38.46	-6.48	40.40	-18.01	40.40	16.14	-64.66	0.30	0.70	5.92	-36.24	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.14	0.84
2		M _{des}	-36.53	3.62	-1.73	-2.92	-57.57	-33.95	-38.26	6.54	-40.22	18.02	-40.22	-74.17	6.27	0.70	0.30	-61.05	0.95	0.24	0.04	0.90	92.76	123.11	VERIFICA	8.67	0.13
	5-6	M _{int}	94.22	-10.11	4.52	7.63	-59.68	-38.23	98.74	-17.74	104.06	-47.36	104.06	65.83	-142.29	0.30	0.70	64.26	-113.91	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.78	3.26
		M _{des}	-87.85	9.43	-4.21	-7.11	-15.47	-12.54	-92.06	16.54	-97.03	44.16	-97.03	-109.56	84.49	0.30	0.70	-85.01	79.09	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.31	4.01
	6-7	M _{int}	99.90	-9.96	4.82	8.13	-63.50	-36.13	104.72	-18.08	110.14	-49.50	110.14	74.01	-146.27	0.30	0.70	72.20	-116.61	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.91	3.66
		M _{des}	-99.91	9.98	-4.82	-8.13	-39.62	-23.45	-104.73	18.10	-110.16	49.52	-110.16	-133.61	86.71	0.30	0.70	-105.76	83.09	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.36	4.21
3	7-8	M _{int}	86.41	-9.06	4.15	7.01	-55.65	-32.24	90.56	-16.06	95.38	-43.23	95.38	63.15	-127.62	0.30	0.70	62.53	-100.72	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.11	3.17
		M _{des}	-92.15	9.67	-4.43	-7.48	-61.46	-35.09	-96.58	17.14	-101.72	46.12	-101.72	-136.81	66.63	0.30	0.70	-109.53	65.64	0.60							

		22-23	M _{int}	20.27	1.31	-0.53	-0.90	-31.55	-17.94	20.80	2.21	21.47	8.45	21.47	3.53	-39.41	0.30	0.70	-1.03	-29.07	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.13	0.15
			M _{des}	-17.99	-1.12	0.47	0.79	-29.71	-17.06	-18.45	-1.91	-19.03	-7.44	-19.03	-36.08	1.97	0.70	0.30	-31.71	0.07	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.50	0.01
5	23-24	M _{int}	15.35	1.01	-0.40	-0.68	-35.08	-20.02	15.76	1.69	16.26	6.41	16.26	-3.76	-36.29	0.70	0.30	0.30	-1.34	-31.85	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.52	0.19
		M _{des}	-17.80	-1.24	0.48	0.80	-32.73	-18.60	-18.27	-2.04	-18.89	-7.52	-18.89	-37.49	0.29	0.70	0.30	0.30	-33.13	-2.06	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.70	0.29
	25-26	M _{int}	20.23	2.55	-1.12	-1.89	-32.36	-18.33	21.35	4.44	22.68	10.85	22.68	4.36	-41.01	0.70	0.30	0.30	2.39	-36.36	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.16	0.34
		M _{des}	-18.93	-2.19	1.03	1.75	-29.33	-16.69	-19.97	-3.94	-21.15	-9.93	-21.15	-37.83	4.46	0.30	0.70	0.70	-27.22	0.10	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.86	0.01
	26-27	M _{int}	72.12	8.70	-3.92	-6.61	-38.65	-23.23	76.04	15.31	80.63	38.12	80.63	57.40	-103.86	0.30	0.70	0.70	55.52	-83.27	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.22	2.82
		M _{des}	-78.38	-10.13	4.31	7.28	-34.93	-20.90	-82.69	-17.41	-87.91	-42.22	-87.91	-108.81	67.02	0.30	0.70	0.70	-88.53	64.82	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.49	3.29
6	28-29	M _{int}	81.13	15.08	-6.70	-11.30	-55.40	-34.89	87.83	26.38	95.74	52.73	95.74	60.85	-130.63	0.30	0.70	0.70	60.35	-104.69	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.31	3.06
		M _{des}	-70.03	-12.05	5.73	9.66	-32.78	-21.80	-75.75	-21.71	-82.26	-44.43	-82.26	-104.07	60.46	0.30	0.70	0.70	-80.00	59.10	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.06	3.00
	29-30	M _{int}	68.12	11.61	-5.57	-9.41	-48.82	-31.33	73.70	21.01	80.00	43.12	80.00	48.67	-111.33	0.30	0.70	0.70	47.04	-86.67	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.39	2.39
7		M _{des}	-78.62	-14.48	6.49	10.96	-48.62	-31.61	-85.11	-25.43	-92.74	-50.97	-92.74	-124.35	61.13	0.30	0.70	0.70	-99.65	59.46	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.05	3.02
	1-9	M _{int}	-30.75	119.26	-12.80	-21.60	-48.45	-30.99	-43.55	140.86	-85.81	153.93	153.93	122.94	-184.92	0.30	0.70	0.70	115.41	-151.88	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.70	5.85
		M _{des}	26.36	-100.46	10.86	18.33	-37.58	-24.47	37.22	-118.79	72.86	-129.96	-129.96	-154.43	105.49	0.30	0.70	0.70	-122.33	97.03	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.20	4.92
	9-17	M _{int}	-26.57	101.30	-10.95	-18.47	-34.88	-22.28	-37.52	119.77	-73.45	131.03	131.03	108.75	-153.31	0.30	0.70	0.70	99.21	-121.07	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.14	5.03
		M _{des}	31.04	-120.42	12.92	21.80	-48.62	-31.74	43.96	-142.22	86.62	-155.41	-155.41	-187.15	123.67	0.30	0.70	0.70	-153.53	115.51	0.60	0.04	0.30	242.42	321.74	VERIFICA	7.79	5.86
	2-10	M _{int}	-4.67	24.62	-2.01	-3.39	-29.49	-16.67	-6.68	28.00	-15.08	30.01	30.01	13.33	-46.68	0.70	0.30	0.30	11.88	-41.83	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.94	1.69
8		M _{des}	3.98	-20.82	1.70	2.86	-29.72	-17.03	5.68	-23.69	12.78	-25.39	-25.39	-42.42	8.35	0.70	0.30	0.30	-37.55	6.87	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.33	0.98
	10-18	M _{int}	-4.05	21.19	-1.73	-2.91	-28.68	-16.35	-5.78	24.10	-13.01	25.84	25.84	9.49	-42.18	0.70	0.30	0.30	8.15	-37.32	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.30	1.16
		M _{des}	4.76	-25.04	2.04	3.45	-28.42	-16.20	6.80	-28.49	15.34	-30.53	-30.53	-46.72	14.33	0.70	0.30	0.30	-41.87	12.99	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.94	1.84
	3-11	M _{int}	-2.96	21.97	-1.32	-2.22	-28.74	-16.34	-4.27	24.19	-11.53	25.47	25.47	9.14	-41.81	0.70	0.30	0.30	7.39	-37.41	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.31	1.05
		M _{des}	2.06	-15.41	0.91	1.54	-28.39	-16.33	2.97	-16.95	8.05	-17.84	-17.84	-34.17	1.51	0.70	0.30	0.30	-29.77	-0.24	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.23	0.03
	11-19	M _{int}	-7.91	58.73	-3.46	-5.83	-26.60	-15.44	-11.37	64.56	-30.73	67.97	67.97	52.53	-83.40	0.70	0.30	0.30	50.23	-74.76	0.60	0.04	0.30	242.42	321.74	VERIFICA	3.79	2.55
9		M _{des}	12.50	-92.39	5.51	9.29	-32.83	-19.25	18.01	-101.68	48.51	-107.08	-107.08	-126.33	87.84	0.30	0.70	0.70	-105.62	83.02	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.36	4.21
	4-12	M _{int}	-9.30	102.55	-4.29	-7.24	-69.60	-37.10	-13.59	109.79	-46.53	113.87	113.87	76.77	-150.97	0.30	0.70	0.70	76.06	-120.16	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.09	3.86
		M _{des}	7.76	-87.37	3.56	6.01	-49.15	-31.56	11.33	-93.39	39.34	-96.78	-96.78	-128.35	65.22	0.30	0.70	0.70	-98.33	65.14	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.99	3.30
	12-20	M _{int}	-7.83	88.06	-3.59	-6.06	-48.73	-13.36	-11.42	94.13	-39.66	97.55	97.55	84.20	-110.91	0.30	0.70	0.70	75.89	-88.23	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.47	3.85
10		M _{des}	9.40	-103.50	4.34	7.31	-66.18	-22.98	13.73	-110.82	46.98	-114.94	-114.94	-137.91	91.96	0.30	0.70	0.70	-113.83	85.05	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.77	4.31
	5-13	M _{int}	1.84	69.82	-0.95	-1.60	-104.21	-54.62	2.79	71.41	24.21	72.25	72.25	17.64	-126.87	0.70	0.30	0.30	10.74	-111.20	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.64	0.54
		M _{des}	-1.77	-73.14	0.87	1.47	-117.84	-62.28	-2.64	-74.61	-25.02	-75.40	-75.40	-137.68	13.12	0.30	0.70	0.70	-100.06	-4.03	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.07	0.20
	13-21	M _{int}	1.82	74.88	-0.89	-1.51	-44.69	-35.70	2.71	76.39	25.63	77.20	77.20	41.50	-112.90	0.30	0.70	0.70	35.02	-84.44	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.28	1.78
		M _{des}	-1.88	-71.06	0.97	1.63	-57.25	-36.53	-2.85	-72.69	-24.66	-73.54	-73.54	-110.07	37.02	0.70	0.30	0.30	-97.82	34.19	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.96	1.73
	6-14	M _{int}	4.84	66.19	1.30	2.18	-114.51	-60.37	6.13	68.38	26.64	70.22	70.22	9.85	-130.58	0.70	0.30	0.30	2.02	-114.17	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.79	0.10
12		M _{des}	-5.44	-69.75	-1.48	-2.49	-114.44	-62.60	-6.91	-72.23	-28.58	-74.31	-74.31	-136.90	11.71	0.30	0.70	0.70	-98.29	-6.87	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.98	0.35
	14-22	M _{int}	5.75	71.59	1.59	2.68	-111.91	-59.67	7.33	74.27	29.61	76.47	76.47	16.80	-136.13	0.30	0.70	0.70	0.21	-100.20	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.08	0.01
		M _{des}	-4.01	-52.79	-1.10	-1.85	-97.17	-51.34	-5.11	-54.64	-21.50	-56.18	-56.18	-107.51	4.84	0.70	0.30	0.30	-92.63	-1.75	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.70	0.09
	22-25	M _{int}	4.68	66.23	1.25	2.10	-27.77	-18.27	5.92	68.34	26.42	70.11	70.11	51.84	-88.39	0.70	0.30	0.30	50.00	-76.07	0.60	0.04	0.30	242.42	321.74	VERIFICA	3.86	2.54
		M _{des}	-7.19	-98.58	-1.94	-3.27	-68.98	-37.17	-9.13	-101.85	-39.68	-104.59	-104.59	-141.75	67.42	0.30	0.70	0.70	-109.44	66.69	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.55	3.38
	25-28	M _{int}	5.37	79.70	1.35	2.27	-13.56	-8.36	6.71	81.97	31.30	83.98	83.98	75.62	-92.34	0.30	0.70	0.70	70.03	-65.19	0.60	0.04	0.30	242.42	321.74	VERIFICA	3.31	3.55
13		M _{des}	-4.46	-66.79	-1.12	-1.90	-43.06	-24.54	-5.58	-68.69	-26.19	-70.36	-70.36	-94.91	45.82	0.70	0.30	0.30	-81.80	44.89	0.60	0.04	0.30	242.42	321.74	VERIFICA	4.15	2.28
	7-15	M _{int}	11.18	63.64	3.84	6.49	-126.65	-68.95	15.02	70.13	36.06	74.63	74.63	5.68	-143.58	0.70	0.30	0.30	-3.30	-125.42	0.60	0.04	0.30	242.42	321.74	VERIFICA	6.36	0.17
		M _{des}	-12.28	-68.08	-4.19	-7.07	-120.17	-69.29	-16.47	-75.15	-39.02	-80.09	-80.09	-149.39	10.80	0.30	0.70	0.70	-106.95	-10.19	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.42	0.52
	15-23	M _{int}	12.02	65.62	4.02	6.79	-123.46	-64.44	16.04	72.41	37.76	77.22	77.22	12.78	-141.65	0.30	0.70	0.70	-4.38	-101.31	0.60	0.04	0.30	242.42	321.74	VERIFICA	5.14	0.22
		M _{des}	-12.69	-69.51	-4.25	-7.18	-122.85	-65.14	-16.95	-76.69	-39.95	-81.77	-81.77	-146.91	16.63	0.30	0.70	0.70	-106.46	-0.63	0.60	0.04	0.30	242.42	321.74			

3		M_{des}	-15.83	2.55	-0.78	-1.31	-33.36	-18.51	-16.60	3.86	-17.76	8.84	-17.76	-36.27	-0.75	0.30	0.60	-27.89	3.57	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.96	0.51
	9-10	M_{int}	5.28	-0.20	0.05	0.08	-102.42	-48.58	5.33	-0.28	5.41	-1.88	5.41	-43.17	-53.99	0.60	0.30	-33.91	-44.16	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.27	4.81
		M_{des}	-4.98	0.19	-0.04	-0.07	-134.68	-62.53	-5.03	0.27	-5.11	1.78	-5.11	-67.63	-57.42	0.30	0.60	-46.43	-37.36	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.59	5.30
	10-11	M_{int}	3.47	-0.18	0.02	0.03	-78.56	-36.51	3.48	-0.21	3.55	-1.25	3.55	-32.96	-40.05	0.30	0.60	-18.23	-24.26	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.44	2.59
		M_{des}	-3.79	0.19	-0.02	-0.04	-74.63	-35.18	-3.81	0.22	-3.88	1.37	-3.88	-39.05	-31.30	0.30	0.60	-23.45	-16.75	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.33	2.38
	11-12	M_{int}	-1.77	-0.15	-0.03	-0.05	-42.57	-21.14	-1.81	-0.20	-1.87	-0.74	-1.87	-23.01	-19.28	0.30	0.60	-11.21	-8.26	0.24	0.04	0.90	92.76	123.11	VERIFICA	1.59	1.17
		M_{des}	2.16	-0.12	0.04	0.06	-42.83	-18.95	2.20	-0.18	2.25	-0.84	2.25	-16.70	-21.20	0.60	0.30	-11.40	-15.51	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.20	1.62
	12-13	M_{int}	9.23	-0.30	0.11	0.18	-46.08	-22.36	9.33	-0.48	9.48	-3.28	9.48	-12.88	-31.84	0.60	0.30	-9.00	-26.79	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.80	1.28
		M_{des}	-8.40	0.27	-0.09	-0.16	-45.79	-22.87	-8.49	0.43	-8.62	2.98	-8.62	-31.49	-14.25	0.60	0.30	-26.41	-10.33	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.75	1.47
	13-14	M_{int}	2.27	-0.11	0.01	0.02	-28.51	-13.99	2.28	-0.13	2.32	-0.82	2.32	-11.67	-16.31	0.60	0.30	-9.21	-13.47	0.24	0.04	0.90	92.76	123.11	VERIFICA	1.91	1.31
		M_{des}	-3.58	0.14	-0.03	-0.05	-28.02	-15.47	-3.61	0.20	-3.67	1.28	-3.67	-19.13	-11.80	0.60	0.30	-16.20	-9.25	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.30	1.31
	14-15	M_{int}	4.03	-0.15	0.04	0.07	-29.28	-15.90	4.07	-0.22	4.14	-1.44	4.14	-11.77	-20.04	0.60	0.30	-9.15	-16.99	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.41	1.30
		M_{des}	-2.95	0.12	-0.03	-0.04	-29.26	-15.04	-2.98	0.16	-3.03	1.05	-3.03	-18.07	-12.02	0.60	0.30	-15.07	-9.45	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.14	1.34
	15-16	M_{int}	6.69	-0.25	0.07	0.11	-35.27	-18.56	6.75	-0.35	6.86	-2.38	6.86	-11.70	-25.42	0.60	0.30	-9.12	-21.87	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.11	1.30
		M_{des}	-10.72	0.39	-0.10	-0.18	-31.18	-16.67	-10.82	0.57	-10.99	3.82	-10.99	-27.66	-5.67	0.60	0.30	-24.22	-3.20	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.44	0.45
4	17-18	M_{int}	15.28	1.54	-0.46	-0.78	-66.30	-34.25	15.74	2.31	16.44	7.04	16.44	-17.81	-50.68	0.60	0.30	-12.92	-44.00	0.24	0.04	0.90	92.76	123.11	VERIFICA	6.25	1.83
		M_{des}	-15.16	-1.56	0.46	0.78	-67.98	-33.44	-15.62	-2.33	-16.32	-7.02	-16.32	-49.76	-17.11	0.30	0.60	-36.48	-7.41	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.18	1.05
	18-19	M_{int}	17.98	1.85	-0.55	-0.92	-42.80	-21.09	18.53	2.77	19.36	8.33	19.36	-1.74	-40.45	0.30	0.60	4.53	-28.93	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.11	0.64
		M_{des}	-16.21	-1.62	0.49	0.82	-38.75	-19.92	-16.69	-2.44	-17.43	-7.45	-17.43	-37.35	-2.50	0.60	0.30	-31.67	0.55	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.50	0.08
	19-20	M_{int}	23.18	2.03	-0.67	-1.13	-30.83	-16.56	23.85	3.16	24.80	10.32	24.80	8.24	-41.36	0.60	0.30	6.98	-35.30	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.01	0.99
		M_{des}	-23.17	-2.04	0.67	1.13	-18.77	-8.13	-23.85	-3.17	-24.80	-10.33	-24.80	-32.92	16.67	0.60	0.30	-27.68	16.23	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.93	2.30
	20-21	M_{int}	17.06	1.58	-0.50	-0.85	-49.82	-25.32	17.57	2.43	18.30	7.70	18.30	-7.02	-43.61	0.60	0.30	-3.31	-37.45	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.32	0.47
		M_{des}	-18.72	-1.78	0.56	0.94	-49.83	-24.91	-19.28	-2.72	-20.10	-8.50	-20.10	-45.01	-4.82	0.30	0.60	-32.73	2.56	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.65	0.36
	21-22	M_{int}	15.15	1.73	-0.48	-0.80	-23.63	-12.45	15.62	2.53	16.38	7.22	16.38	3.93	-28.83	0.30	0.60	0.67	-21.41	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.04	0.09
		M_{des}	-14.93	-1.72	0.47	0.79	-29.27	-17.27	-15.40	-2.51	-16.15	-7.13	-16.15	-33.42	-1.11	0.30	0.60	-25.38	2.77	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.60	0.39
	22-23	M_{int}	12.43	1.21	-0.37	-0.63	-28.85	-15.35	12.81	1.84	13.36	5.68	13.36	-1.99	-28.70	0.30	0.60	2.13	-22.23	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.16	0.30
		M_{des}	-6.54	-0.65	0.20	0.34	-29.72	-15.95	-6.74	-0.99	-7.04	-3.01	-7.04	-22.98	-8.91	0.60	0.30	-19.71	-6.82	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.80	0.97
	23-24	M_{int}	4.47	0.50	-0.14	-0.24	-33.48	-17.87	4.62	0.74	4.84	2.12	4.84	-13.03	-22.71	0.60	0.30	-10.52	-19.37	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.75	1.49
		M_{des}	-9.57	-0.98	0.29	0.49	-28.44	-15.25	-9.86	-1.47	-10.30	-4.43	-10.30	-25.55	-4.95	0.60	0.30	-22.36	-2.57	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.17	0.37
	25-26	M_{int}	11.23	2.15	-0.68	-1.14	-27.71	-14.89	11.90	3.29	12.89	6.86	12.89	-2.00	-27.78	0.60	0.30	0.10	-24.44	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.47	0.01
		M_{des}	-7.32	-1.54	0.45	0.76	-29.82	-15.71	-7.77	-2.30	-8.46	-4.63	-8.46	-24.17	-7.25	0.30	0.60	-17.41	-2.96	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.47	0.42
	26-27	M_{int}	5.06	1.44	-0.33	-0.55	-34.29	-18.22	5.39	1.99	5.99	3.61	5.99	-12.23	-24.20	0.30	0.60	-7.23	-17.34	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.46	1.03
		M_{des}	-9.64	-2.21	0.60	1.01	-32.04	-17.04	-10.23	-3.21	-11.20	-6.28	-11.20	-28.24	-5.85	0.30	0.60	-21.50	-0.98	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.05	0.14
6	28-29	M_{int}	11.03	3.46	-0.98	-1.66	-32.45	-18.16	12.01	5.12	13.55	8.73	13.55	-4.61	-31.71	0.30	0.60	0.16	-24.43	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.47	0.02
		M_{des}	-6.60	-2.35	0.60	1.01	-28.76	-15.87	-7.20	-3.36	-8.21	-5.52	-8.21	-24.07	-7.66	0.30	0.60	-17.05	-3.16	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.42	0.45
	29-30	M_{int}	6.50	2.25	-0.59	-0.99	-34.92	-19.26	7.09	3.24	8.06	5.36	8.06	-11.20	-27.32	0.30	0.60	-6.01	-19.83	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.82	0.85
7		M_{des}	-10.67	-3.29	0.95	1.60	-33.42	-18.76	-11.62	-4.89	-13.08	-8.38	-13.08	-31.84	-5.68	0.30	0.60	-24.40	-0.54	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.46	0.08
	1-9	M_{int}	-4.43	19.32	-1.96	-3.31	-36.95	-23.83	-6.39	22.63	-13.18	24.55	24.55	0.72	-48.38	0.30	0.60	-5.41	-37.63	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.34	0.77
		M_{des}	2.72	-12.18	1.21	2.05	-37.20	-24.18	3.93	-14.22	8.20	-15.40	-15.40	-39.58	-8.78	0.30	0.60	-28.80	-2.62	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.09	0.37
8	9-17	M_{int}	-2.74	12.28	-1.22	-2.06	-35.18	-22.71	-3.96	14.33	-8.26	15.52	15.52	-7.19	-38.24	0.30	0.60	-1.35	-27.64	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.92	0.19
		M_{des}	4.48	-19.55	1.98	3.34	-36.51	-23.77	6.46	-22.90	13.33	-24.83	-24.83	-48.60	1.07	0.30	0.60	-37.88	-4.90	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.38	0.70
	2-10	M_{int}	-2.73	14.87	-1.22	-2.06	-25.04	-13.36	-3.95	16.94	-9.03	18.12	18.12	4.76	-31.49	0.60	0.30	2.95	-28.11	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.99	0.42
9		M_{des}	1.36	-7.44	0.61	1.03	-29.84	-15.94	1.97	-8.47	4.51	-9.06	-9.06	-25.00	-6.88	0.60	0.30	-21.47	-4.93	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.05	0.70
	10-18	M_{int}	-1.37	7.53	-0.62	-1.05	-28.71	-15.23	-1.99	8.58	-4.56	9.17	9.17	-6.06	-24.40	0.60	0.30	-4.20	-20.92	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.97	0.60
		M_{des}	2.77	-15.09	1.24	2.09	-24.61	-13.32	4.01	-17.18	9.16	-18.39	-18.39	-31.71	5.06	0.60	0.30	-28.34	3.32	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.02	0.47
10	3-11	M_{int}	-2.07	14.95	-0.95	-1.60	-24.40	-13.13	-3.02	16.55	-7.98	17.45	17.45	4.33	-30.58	0.60	0.30	2.60	-27.24	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.87	0.37
		M_{des}	1.23	-8.93	0.56	0.95	-28.52	-15.28	1.80	-9.88	4.76	-10.42	-10.42	-25.70	-4.87	0.60	0.30	-22.24	-3.02	0.24	0.04	0.90	92				

14	26-29	M _{int}	-0.73	-2.94	-0.22	-0.36	-52.96	-24.58	-0.94	-3.30	-1.93	-3.59	-3.59	-28.16	-20.99	0.60	0.30	-20.74	-14.00	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.94	1.99
		M _{des}	0.40	1.46	0.07	0.12	-45.79	-22.30	0.46	1.58	0.94	1.72	1.72	-20.59	-24.02	0.60	0.30	-13.80	-16.80	0.24	0.04	0.90	92.76	123.11	VERIFICA	2.38	1.96
	8-16	M _{int}	3.38	11.51	1.30	2.19	-58.63	-29.89	4.68	13.71	8.79	15.11	15.11	-14.78	-45.00	0.60	0.30	-10.06	-38.54	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.47	1.43
		M _{des}	-3.17	-10.85	-1.23	-2.07	-61.97	-30.38	-4.40	-12.92	-8.27	-14.24	-14.24	-44.61	-16.14	0.30	0.60	-31.64	-6.65	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.49	0.94
	16-24	M _{int}	5.60	19.14	2.15	3.63	-55.95	-27.98	7.75	22.77	14.58	25.09	25.09	-2.89	-53.08	0.30	0.60	4.57	-39.34	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.59	0.65
		M _{des}	-5.59	-19.12	-2.15	-3.63	-57.49	-28.59	-7.75	-22.75	-14.57	-25.08	-25.08	-53.67	-3.52	0.30	0.60	-39.86	4.02	0.24	0.04	0.90	92.76	123.11	VERIFICA	5.66	0.57
	24-27	M _{int}	3.79	12.95	1.46	2.47	-31.60	-15.67	5.26	15.42	9.88	17.00	17.00	1.33	-32.67	0.30	0.60	-4.01	-21.93	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.11	0.57
		M _{des}	-3.66	-12.45	-1.40	-2.37	-35.41	-17.68	-5.06	-14.82	-9.51	-16.33	-16.33	-34.01	-1.35	0.60	0.30	-28.48	1.48	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.04	0.21
	27-30	M _{int}	4.75	16.13	1.82	3.06	-21.59	-10.24	6.56	19.19	12.32	21.16	21.16	10.92	-31.40	0.60	0.30	9.47	-26.02	0.24	0.04	0.90	92.76	123.11	VERIFICA	3.69	1.35
		M _{des}	-4.96	-16.87	-1.90	-3.21	-30.03	-15.58	-6.86	-20.08	-12.88	-22.14	-22.14	-37.72	6.55	0.60	0.30	-31.86	4.62	0.24	0.04	0.90	92.76	123.11	VERIFICA	4.52	0.66

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Armature Trace 1-11

Team		Sample		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time		Date		Location		Depth		Time	
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Armatura Tavola 2.18

Piano / Elemento		Sedimentazione	Lunghezza computata	CONDIZIONE PASSO D'ARMATURA										CONDIZIONE PASSO TIRI										CONDIZIONE PASSO CALITO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
h _{tot}	h _{tra}			q (kN/m)	h _{top}	q (kN/m)	h _{tra}	coefficiente c	h _{tra}	M _{Ed} (semplificata)	M _{Ed} (distribuzione)	K's	As	ARMATURA TIRI	ARMATURA COMPRESA	Zona critica	M _{ed}	M _{ed}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}	h _{tr}

[illegible]

Armatura Trave S-21

Piano		Tempo T=21		Area		Lunghezza completa		M ₁ (M ₁ in M ₁)		M ₂ (M ₂ in M ₂)		M ₃ (M ₃ in M ₃)		M ₄ (M ₄ in M ₄)		M ₅ (M ₅ in M ₅)		M ₆ (M ₆ in M ₆)		M ₇ (M ₇ in M ₇)		M ₈ (M ₈ in M ₈)		M ₉ (M ₉ in M ₉)		M ₁₀ (M ₁₀ in M ₁₀)		M ₁₁ (M ₁₁ in M ₁₁)		M ₁₂ (M ₁₂ in M ₁₂)		M ₁₃ (M ₁₃ in M ₁₃)		M ₁₄ (M ₁₄ in M ₁₄)		M ₁₅ (M ₁₅ in M ₁₅)		M ₁₆ (M ₁₆ in M ₁₆)		M ₁₇ (M ₁₇ in M ₁₇)		M ₁₈ (M ₁₈ in M ₁₈)		M ₁₉ (M ₁₉ in M ₁₉)		M ₂₀ (M ₂₀ in M ₂₀)		M ₂₁ (M ₂₁ in M ₂₁)		M ₂₂ (M ₂₂ in M ₂₂)		M ₂₃ (M ₂₃ in M ₂₃)		M ₂₄ (M ₂₄ in M ₂₄)		M ₂₅ (M ₂₅ in M ₂₅)		M ₂₆ (M ₂₆ in M ₂₆)		M ₂₇ (M ₂₇ in M ₂₇)		M ₂₈ (M ₂₈ in M ₂₈)		M ₂₉ (M ₂₉ in M ₂₉)		M ₃₀ (M ₃₀ in M ₃₀)		M ₃₁ (M ₃₁ in M ₃₁)		M ₃₂ (M ₃₂ in M ₃₂)		M ₃₃ (M ₃₃ in M ₃₃)		M ₃₄ (M ₃₄ in M ₃₄)		M ₃₅ (M ₃₅ in M ₃₅)		M ₃₆ (M ₃₆ in M ₃₆)		M ₃₇ (M ₃₇ in M ₃₇)		M ₃₈ (M ₃₈ in M ₃₈)		M ₃₉ (M ₃₉ in M ₃₉)		M ₄₀ (M ₄₀ in M ₄₀)		M ₄₁ (M ₄₁ in M ₄₁)		M ₄₂ (M ₄₂ in M ₄₂)		M ₄₃ (M ₄₃ in M ₄₃)		M ₄₄ (M ₄₄ in M ₄₄)		M ₄₅ (M ₄₅ in M ₄₅)		M ₄₆ (M ₄₆ in M ₄₆)		M ₄₇ (M ₄₇ in M ₄₇)		M ₄₈ (M ₄₈ in M ₄₈)		M ₄₉ (M ₄₉ in M ₄₉)		M ₅₀ (M ₅₀ in M ₅₀)		M ₅₁ (M ₅₁ in M ₅₁)		M ₅₂ (M ₅₂ in M ₅₂)		M ₅₃ (M ₅₃ in M ₅₃)		M ₅₄ (M ₅₄ in M ₅₄)		M ₅₅ (M ₅₅ in M ₅₅)		M ₅₆ (M ₅₆ in M ₅₆)		M ₅₇ (M ₅₇ in M ₅₇)		M ₅₈ (M ₅₈ in M ₅₈)		M ₅₉ (M ₅₉ in M ₅₉)		M ₆₀ (M ₆₀ in M ₆₀)		M ₆₁ (M ₆₁ in M ₆₁)		M ₆₂ (M ₆₂ in M ₆₂)		M ₆₃ (M ₆₃ in M ₆₃)		M ₆₄ (M ₆₄ in M ₆₄)		M ₆₅ (M ₆₅ in M ₆₅)		M ₆₆ (M ₆₆ in M ₆₆)		M ₆₇ (M ₆₇ in M ₆₇)		M ₆₈ (M ₆₈ in M ₆₈)		M ₆₉ (M ₆₉ in M ₆₉)		M ₇₀ (M ₇₀ in M ₇₀)		M ₇₁ (M ₇₁ in M ₇₁)		M ₇₂ (M ₇₂ in M ₇₂)		M ₇₃ (M ₇₃ in M ₇₃)		M ₇₄ (M ₇₄ in M ₇₄)		M ₇₅ (M ₇₅ in M ₇₅)		M ₇₆ (M ₇₆ in M ₇₆)		M ₇₇ (M ₇₇ in M ₇₇)	
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[illegible]

Punteggio T-29		CONDIZIONI PRECEDENTI DELLE SEZIONI										AMMATTURA LONGITUDINALE										AMMATTURA TRASVERSALE										CONDIZIONI POSTO (ESIMICHE)										CONDIZIONI POSTO SCILTO										PASSO SCILTO																																																																																																																																																																																																																																																																																																																																																																																																															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	

Table 20: 8-10																																	
Year	Gender	Subpopulation	Composite sample size	Age										Anatomical Compensatory										Anatomical Compensatory									
				4-12	13-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	4-12	13-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	4-12	13-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99
18-24	Men	Urban	6,75	480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00	480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00	480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00
				480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00	480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00	480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00
				480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00	480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00	480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00
				480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00	480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00	480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00
				480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00	480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00	480	40	400	29677	7379	22839	0,00	0,00	0,00	0,00
25-35	Men	Urban	6,75	720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00	720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00	720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00
				720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00	720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00	720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00
				720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00	720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00	720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00
				720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00	720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00	720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00
				720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00	720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00	720	60	600	44567	11141	33429	0,00	0,00	0,00	0,00
36-45	Men																																

ALLEGATO 6

pilastro	11	sezione	l x	80	cm	dimensione parallela all'asse x	filo sup	30	cm	distanza filo trave sup - asse trave (eventualmente ridotta di 5 cm)	inizio	13	Nc,max	3400.0	kN
ordine	3		ly	30	cm	dimensione parallela all'asse y	filo inf	30	cm	distanza filo trave inf - asse trave (al piede primo ordine 0)			Mcx,max	122.4	kNm
			e	4	cm	coefficiente di calcolo	h pil	320	cm	altezza pilastro (da asse a asse)			Mcy,max	326.4	kNm

più alto da esaminare		12	tela in direzione x				6	calcestruzzo				C25/30	fyd	14.17	MPa	fine x				721	722
													391.30	MPa							
12	266	6	Msup	-3.25	-3.41	7.96	-0.32	0.07	0.12	12	962	6	Msup	3.02	14.73	-2.09	18.90	-0.99	-1.66		12
	267	4	Minf	4.23	4.91	-4.24	0.24	0.03	-0.05		963	4	Minf	4.04	11.27	0.81	9.76	0.11	0.17		
	268	6	V	-2.34	-2.60	4.11	-0.18	0.03	0.05		964	6	V	2.21	8.20	-0.76	3.39	-0.34	-0.58		
	269	6	N	-140.68	-66.38	4.50	-0.18	0.07	0.11		965	6	N	-61.77	-16.88	0.38	-4.46	0.17	0.28		
	270	5	Msup	-8.34	-8.03	-5.26	0.16	0.03	0.12		966	5	Msup	-3.61	6.71	-15.55	184.58	-7.69	-11.90		
	271	5	Minf	8.28	8.41	-46.93	1.59	-0.62	-1.05		967	5	Minf	2.00	-7.92	10.91	-125.12	4.89	8.25		
	272	5	V	-5.20	-5.32	32.15	-1.02	0.40	0.68		968	5	V	-1.75	4.57	-8.26	96.71	-3.73	-6.30		
	273	5	V	-352.11	-190.36	-24.05	0.86	-0.28	-0.44		969	5	V	-201.74	-80.19	0.26	-3.38	0.12	0.20		
	274	4	Msup	7.47	7.60	-68.84	-2.08	0.86	1.44		970	4	Msup	2.97	6.95	-14.72	188.39	-3.73	-11.38		
	275	4	Minf	7.09	7.21	-70.89	2.14	-0.88	-1.49		971	4	Minf	3.41	-0.46	15.93	-138.02	7.22	12.18		
	276	4	V	-4.56	-4.63	43.70	-1.32	0.54	0.92		972	4	V	-2.00	4.08	-9.57	108.85	-4.36	-7.36		
	277	3	Msup	-62.78	-61.33	2.90	-0.10	-1.10	-1.86		973	3	Msup	-344.64	-144.40	0.10	-2.04	0.03	0.07		
	278	3	Minf	7.48	-7.54	82.70	-2.46	1.01	1.71		974	3	Minf	4.95	7.71	-34.72	276.49	-10.13	-10.17		
	279	3	Minf	7.74	7.52	-82.94	2.47	-1.01	-1.71		975	3	Minf	4.48	-6.53	20.05	-252.67	9.33	15.74		
	280	3	V	-4.76	-4.71	51.76	-1.54	0.63	1.07		976	3	V	-2.67	4.45	-13.04	166.11	-6.08	-10.28		
	281	3	Msup	-172.88	-159.65	5.89	-2.36	-3.99	-9.71		977	3	Msup	-189.18	-211.05	-0.17	1.48	0.08	-0.15		
	282	2	Msup	-8.18	-7.45	94.90	-2.79	1.17	1.97		978	2	Msup	2.24	7.60	-22.04	297.51	-10.19	-10.19		
	283	2	Minf	8.97	7.75	-99.62	2.87	-1.20	-2.02		979	2	Minf	3.54	-7.48	23.95	-306.37	11.14	18.79		
	284	2	V	-5.36	-4.75	60.16	-1.77	0.74	1.25		980	2	V	1.81	-4.71	-14.38	188.61	-6.67	-11.25		
	285	2	Msup	-983.67	-560.98	-313.53	3.89	-6.54	-15.54		981	2</									

pilastro da esaminare			17	totali in direzione x				6	calcestruzzo C25/30 acciaio B450C				fyd 14.17 MPa fyk 391.30 MPa				fwe x inizio y 721 722									
17	386	6	Minf	-66.30	-34.25	-25.28	1.54	-0.46	-0.78	17	770	6	Msup	36.51	23.77	-4.48	19.55	-1.98	-3.34	17						
387	6	Msup	55.59	32.50	23.33	-2.79	0.75	1.27	-0.77	771 <th>6</th> <th>Minf</th> <td>-31.76</td> <td>-21.07</td> <td>-5.94</td> <td>-26.30</td> <td>1.91</td> <td>3.23</td> <td colspan="4"></td>	6	Minf	-31.76	-21.07	-5.94	-26.30	1.91	3.23								
388	6	V	-81.26	-44.50	25.74	2.88	-0.81	-1.36	-0.77	772 <th>6</th> <th>V</th> <td>45.51</td> <td>29.89</td> <td>-4.01</td> <td>30.49</td> <td>-2.60</td> <td>-4.38</td> <td colspan="4"></td>	6	V	45.51	29.89	-4.01	30.49	-2.60	-4.38								
389	6	N	-76.62	-38.25	35.49	1.54	-0.47	-0.78	-0.77	773 <th>6</th> <th>N</th> <td>-77.77</td> <td>-50.37</td> <td>-15.71</td> <td>56.68</td> <td>-4.46</td> <td>-10.90</td> <td>6</td> <td>N</td> <td>-154.001</td> <td>-88.96</td> <td>-10.178</td> <td>57.242</td> <td>-6.625</td> <td>-11.178</td>	6	N	-77.77	-50.37	-15.71	56.68	-4.46	-10.90	6	N	-154.001	-88.96	-10.178	57.242	-6.625	-11.178
390	6	Msup	-27.57	-18.34	29.48	1.84	-0.93	-1.57	-0.77	774 <th>5</th> <th>Msup</th> <td>16.86</td> <td>10.67</td> <td>-29.57</td> <td>94.70</td> <td>-11.01</td> <td>-18.57</td> <td colspan="4"></td>	5	Msup	16.86	10.67	-29.57	94.70	-11.01	-18.57								
391	5	Minf	31.77	20.46	-36.18	-1.86	0.87	-1.47	775 <th>5</th> <th>Minf</th> <td>-21.53</td> <td>-13.96</td> <td>16.02</td> <td>-56.66</td> <td>5.95</td> <td>10.03</td> <td colspan="4"></td>	5	Minf	-21.53	-13.96	16.02	-56.66	5.95	10.03									
392	5	N	-18.55	-12.13	23.64	1.15	-0.56	-0.95	776 <th>5</th> <th>V</th> <td>12.00</td> <td>7.70</td> <td>-14.15</td> <td>46.96</td> <td>-5.30</td> <td>-8.94</td> <td>5</td> <td>N</td> <td>-304.158</td> <td>-184.872</td> <td>24.913</td> <td>18.803</td> <td>-2.306</td> <td>-3.89</td>	5	V	12.00	7.70	-14.15	46.96	-5.30	-8.94	5	N	-304.158	-184.872	24.913	18.803	-2.306	-3.89	
393	5	N	-170.27	-86.14	29.97	2.27	-0.82	-1.38	777 <th>5</th> <th>N</th> <td>-133.89</td> <td>-86.73</td> <td>-5.05</td> <td>16.59</td> <td>-4.49</td> <td>-2.51</td> <td colspan="4"></td>	5	N	-133.89	-86.73	-5.05	16.59	-4.49	-2.51									
394	4	Msup	-33.53	-21.15	55.24	2.57	-1.35	-2.27	778 <th>4</th> <th>Msup</th> <td>23.04</td> <td>14.93</td> <td>-35.02</td> <td>127.73</td> <td>-14.29</td> <td>-24.10</td> <td colspan="4"></td>	4	Msup	23.04	14.93	-35.02	127.73	-14.29	-24.10									
395	4	V	31.45	19.52	-58.33	-2.74	1.42	2.39	779 <th>4</th> <th>V</th> <td>-21.43</td> <td>-13.96</td> <td>35.47</td> <td>-126.08</td> <td>13.97</td> <td>23.58</td> <td colspan="4"></td>	4	V	-21.43	-13.96	35.47	-126.08	13.97	23.58									
396	4	N	-20.31	-12.83	35.33	1.66	-0.86	-1.46	780 <th>4</th> <th>N</th> <td>13.80</td> <td>9.03</td> <td>-21.63</td> <td>79.55</td> <td>-8.83</td> <td>-14.90</td> <td colspan="4"></td>	4	N	13.80	9.03	-21.63	79.55	-8.83	-14.90									
397	4	N	-259.51	-155.18	66.09	3.96	-1.70	-2.87	781 <th>4</th> <th>N</th> <td>-188.69</td> <td>-122.17</td> <td>17.09</td> <td>-64.82</td> <td>6.74</td> <td>11.37</td> <td colspan="4"></td>	4	N	-188.69	-122.17	17.09	-64.82	6.74	11.37									
398	3	Msup	-32.30	-20.57	68.23	-3.14	-1.70	-2.87	782 <th>3</th> <th>Msup</th> <td>26.65</td> <td>17.38</td> <td>-43.80</td> <td>159.72</td> <td>-17.98</td> <td>-30.34</td> <td colspan="4"></td>	3	Msup	26.65	17.38	-43.80	159.72	-17.98	-30.34									
399	3	Minf	31.77	19.57	-66.84	-3.11	1.67	2.83	783 <th>3</th> <th>Minf</th> <td>-23.65</td> <td>-15.41</td> <td>36.20</td> <td>-142.61</td> <td>16.10</td> <td>27.17</td> <td colspan="4"></td>	3	Minf	-23.65	-15.41	36.20	-142.61	16.10	27.17									
400	3	V	-19.89	-12.67	42.24	1.95	-1.06	-1.78	784 <th>3</th> <th>V</th> <td>15.72</td> <td>10.25</td> <td>-25.77</td> <td>93.85</td> <td>-10.65</td> <td>-17.97</td> <td>4</td> <td>N</td> <td>-448.201</td> <td>-277.349</td> <td>83.171</td> <td>-60.865</td> <td>5.04</td> <td>8.503</td>	3	V	15.72	10.25	-25.77	93.85	-10.65	-17.97	4	N	-448.201	-277.349	83.171	-60.865	5.04	8.503	
401	3	N	-351.27	-214.05	117.96	6.31	-3.00	-5.05	785 <th>3</th> <th>N</th> <td>-246.70</td> <td>-159.95</td> <td>47.41</td> <td>-174.57</td> <td>19.51</td> <td>32.92</td> <td>3</td> <td>N</td> <td>-597.968</td> <td>-374.005</td> <td>165.367</td> <td>-168.265</td> <td>16.514</td> <td>27.864</td>	3	N	-246.70	-159.95	47.41	-174.57	19.51	32.92	3	N	-597.968	-374.005	165.367	-168.265	16.514	27.864	
402	2	Msup	-30.27	-19.62	76.28	-3.29	-1.83	-3.09	786 <th>2</th> <th>Msup</th> <td>24.43</td> <td>15.96</td> <td>-45.53</td> <td>176.37</td> <td>-19.47</td> <td>-32.85</td> <td colspan="4"></td>	2	Msup	24.43	15.96	-45.53	176.37	-19.47	-32.85									
403	2	Minf	31.60	20.18	-78.58	3.40	1.90	3.21	787 <th>2</th> <th>Minf</th> <td>-25.94</td> <td>-16.95</td> <td>47.00</td> <td>-179.89</td> <td>19.75</td> <td>33.32</td> <td colspan="4"></td>	2	Minf	-25.94	-16.95	47.00	-179.89	19.75	33.32									
404	2	V	-19.48	-12.44	-68.39	-2.08	-1.17	-1.97	788 <th>2</th> <th>V</th> <td>15.74</td> <td>10.29</td> <td>-29.75</td> <td>109.17</td> <td>-12.26</td> <td>-26.08</td> <td colspan="4"></td>	2	V	15.74	10.29	-29.75	109.17	-12.26	-26.08									
405	2	N	-441.63	-288.6	6.01	30.49	-2.60	-4.38	789 <th>2</th> <th>N</th> <td>-304.66</td> <td>-197.59</td> <td>61.69</td> <td>-298.94</td> <td>-8.93</td> <td>57.19</td> <td>2</td> <td>N</td> <td>-746.285</td> <td>-469.8</td> <td>257.801</td> <td>-290.097</td> <td>29.447</td> <td>49.684</td>	2	N	-304.66	-197.59	61.69	-298.94	-8.93	57.19	2	N	-746.285	-469.8	257.801	-290.097	29.447	49.684	
406	1	Msup	-18.09	-11.59	55.84	-2.03	-1.19	-2.01	790 <th>1</th> <th>Msup</th> <td>16.66</td> <td>10.87</td> <td>-42.80</td> <td>145.17</td> <td>-15.63</td> <td>-26.37</td> <td colspan="4"></td>	1	Msup	16.66	10.87	-42.80	145.17	-15.63	-26.37									
407	1	Minf	9.76	6.22	-65.21	2.40	1.41	2.38	791 <th>1</th> <th>Minf</th> <td>-8.35</td> <td>-5.53</td> <td>106.83</td> <td>-376.07</td> <td>41.45</td> <td>69.94</td> <td colspan="4"></td>	1	Minf	-8.35	-5.53	106.83	-376.07	41.45	69.94									
408	1	V	-78.33	-48.1	32.72	1.7	-0.70	-1.19	792 <th>1</th> <th>V</th> <td>1.76</td> <td>4.43</td> <td>-40.35</td> <td>-140.81</td> <td>-15.43</td> <td>-26.03</td> <td colspan="4"></td>	1	V	1.76	4.43	-40.35	-140.81	-15.43	-26.03									
409	1	N	-528.35	-327.85	232.41	10.99	-5.77	-9.74	793 <th>1</th> <th>N</th> <td>-360.11</td> <td>-233.86</td> <td>116.28</td> <td>-422.90</td> <td>48.03</td> <td>81.04</td> <td>1</td> <td>N</td> <td>-888.46</td> <td>-561.702</td> <td>348.687</td> <td>-411.91</td> <td>42.257</td> <td>71.297</td>	1	N	-360.11	-233.86	116.28	-422.90	48.03	81.04	1	N	-888.46	-561.702	348.687	-411.91	42.257	71.297	
pilastro ordine 6	sezione	l x y c	30 40 cm	30 40 cm	dimensione parallela all'asse x dimensione parallela all'asse y copriferro di calcolo				fio sup fio inf h pl	30 cm 150 cm	distanza fio trave sup - asse trave (eventualmente ridotta di 5 cm) distanza fio trave inf - asse trave (al piede primo ordine 0) altezza pilastro (da asse a asse)				inizio				Nc,max Max,max Moy,max	2550.0 kN 181.8 kNm 93.6 kNm						
posizione	asse	sup	Mx	36.51	23.77	-4.48	19.55	-1.98	-3.34	p.p.d	p.p.k	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristico)														
asse	inf	Mx	-31.76	-21.07	-5.94	-26.30	1.91	3.23																		
		Mx	55.59	32.50	23.33	-2.79	0.75	1.27																		
		Vx	45.51	29.89	-4.01	30.49	-2.60	-4.38																		
		Vy	-81.26	-44.50	25.74	2.88	-0.81	-1.36																		
		N	-154.00	-88.96	-10.18	57.24	-6.63	-11.18	-6.27	-4.05																
fio	sup	Mx	22.86	14.80	-4.77	10.38	-1.20	-2.03	sinα x	sinα y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy										
		Mx	-41.92	-20.90	7.56	-0.67	-0.22	-0.37	7.78	1.04	8.09	3.37	-12.81	-28.99	-17.53	-24.27										
		Vx	45.51	29.89	-4.01	30.49	-2.60	-4.38	-8.61	-34.87	-19.07	37.45	-10.82	48.96	67.34	-7.56										
		Vy	-81.26	-44.50	25.74	2.88	-0.81	-1.36	-2.65	-27.62	-12.21	-16.68	-72.31	-32.29	-56.70											
		N	-154.00	-88.96	-10.18	57.24	-6.63	-11.18	-16.80	-68.42	-37.33	73.46	-130.34	-55.68	-19.55	-166.47										
fio	inf	Mx	-18.10	-12.10	-5.65	-17.13	1.13	1.91	-6.78	-19.04	-12.49	-21.08	-24.59	0.39	-33.18	8.98										
		Mx	31.21	19.15	-15.61	-1.52	0.51	0.86	-16.12	-2.78	-16.95	-7.62	2.20	36.10	11.53	26.76										
		Vx	45.51	29.89	-4.01	30.49	-2.60	-4.38	-8.61	-34.87	-19.07	37.45	-10.82	48.96	67.34	-7.56										
		Vy	-81.26	-44.50	25.74	2.88	-0.81	-1.36	26.55	4.25	27.82	12.21	-16.68	-72.31	-32.29	-56.70										
		N	-159.27	-93.01	-10.18	57.24	-6.63	-11.18	-16.80	-68.42	-37.33	73.46	-130.34	-55.68	-19.55	-166.47										
pilastro 7 ordine	fio	sup	Mx	22.86	14.81	-4.76	29.00	0.60	---	5.11	24.50	29.00	0.60	As,x,nec	0.00	0.00	0.48	1.20	0.00	1.20	942	737.2	191.68			
		N	-154.0	-126.3	25.15	-5.5	-162.4		---	-126.29	-51.63	-15.50	-162.42	As,y,nec	0.00	0.00	2.46	1.77	0.18	2.49	9.36	732.5	80.58			
		MRd,x(N)	247.31							241.37	224.77	216.44	249.10													
		MRd,y(N)	113.39							110.05	102.99	98.15	114.21													
		verifica	0.253							0.042	0.185	0.123	0.098													
verificato	fio	inf	Mx	-18.10	-24.59	0.39	-33.18	8.98	56.87	24.59	17.06	56.87	56.87	As,x,nec	0.00	0.00	0.04	2.51	0.51	2.51	942	737.2	191.68			
		N	31.21	-12.30	36.10	11.53	26.76	42.96	42.96	42.96	12.89	26.76	26.76	As,y,nec	1.03	2.84	4.04	1.16	0.41	4.04	9.36	732.5	80.58			
		MRd,x(N)	159.3							-130.34	-55.68	-19.55	-166.47													
		MRd,y(N)	113.90							111.05	103.42	99.58	114.60													
		verifica	0.163							0.273	0.289	0.180	0.221													
pilastro ordine 17	sezione	l x y c	30 40 cm	30 40 cm	dimensione parallela all'asse x dimensione parallela all'asse y copriferro di calcolo				fio sup fio inf h pl	30 cm 320 cm	distanza fio trave sup - asse trave (eventualmente ridotta di 5 cm) distanza fio trave inf - asse trave (al piede primo ordine 0) altezza pilastro (da asse a asse)				inizio				5	Nc,max Max,max Moy,max	2075.0 kN 249.9 kNm 107.1 kNm					
posizione	asse	sup	Mx	16.86	10.67	-29.57	94.70	-11.01	-18.57	p.p.d	p.p.k	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristico)														
		Mx	-27.57	-18.34	29.48	1.84	-0.93	-1.57																		
		Vx	12.00	7.70	-14.15	46.96	-5.30	-8.94	-164.48	-232.57	-167.60	-229.44														
		Vy	-18.55	-12.13	23.64	1.15	-0.56	-0.95																		
		N	-304.16	-184.87	24.91	18.86	-2.31	-3.89	-17.75	-13.65																
asse	inf	Mx	-21.53	-13.96	16.02	-56.66	5.95	10.03																		
		Mx	31.77	20.46	-36.18	-1.86	0.87	-1.47	11.20	42.70	40.93	103.99	-55.27	72.00	115.17	-98.45										
		Vx	12.00	7.70	-14.15	46.96	-5.30	-8.94	-19.45	55.90	-36.22	61.73	-28.52	43.92	69.43	-54.03										
		Vy	-18.55	-12.13	23.64	1.15	-0.56	-0.95	24.20	2.10	24.83	9.36	12.70	-36.96	-2.77	-21.49										
		N	-321.80	-186.52	24.91	18.86	-2.31	-3.89	27.22	22.75	34.04	30.92	-164.48	-232.57	-167.60	-229.44										
fio	sup	Mx	13.26	8.15	-32.30	3.61	-8.42	-15.89	sinα x	sinα y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy										
		Mx	-22.01	-14.70	32.38	1.49	0.76	-1.28	33.14	2.77	33.97	12.71	19.27	-46.68	-1.99	-27.42										
		Vx	12.00	7.70	-14.15	46.96	-5.30	-8.94	-19.45	55.90	-36.22	61.73	-28.52	43.92	69.43	-54.03										
		Vy	-18.55	-12.13	23.64	1.15	-0.56	-0.95	24.20	2.10	24.83	9.36	12.70	-36.96	-2.77	-21.49										
		N	-321.80	-186.52	24.91	18.86	-2.31	-3.89	27.22	22.75	34.04	30.92	-164.48	-232.57	-167.60	-229.44										
fio	inf	Mx	-17.93	-11.65	11.75	-42.47																				

Inserire i valori per la gerarchia delle resistenze										
Gerarchia delle resistenze				Gerarchia delle resistenze			Gerarchia delle resistenze			
		CD	B	γ Rd	1.1			Mx	My	
Impalcato	5	direzione x	126.0	166.8	sup	0.31	ordine	6	sup	—
			126.0	166.8	inf	0.69		6	inf	56.87
Impalcato	4	126.0	166.8	230.6	sup	0.41	ordine	5	sup	126.59
			166.8	230.6	inf	0.59		5	inf	103.99
Impalcato	3	126.0	198.3	350.4	sup	0.45	ordine	4	sup	149.65
			198.3	350.4	inf	0.55		4	inf	117.43
Impalcato	2	126.0	198.3	383.8	sup	0.47	ordine	3	sup	211.97
			198.3	383.8	inf	0.53		3	inf	198.42
Impalcato	1	126.0	198.3	383.8	sup	0.48	ordine	2	sup	223.75
			198.3	383.8	inf	0.52		2	inf	202.84
							1	sup	219.53	113.43
								inf	—	—
piano										
		sin	direzione x		direzione y					
			des	somma M	sin	des	somma M			
5	M _{rel}	0	125.98	125.98	166.78	0.00	166.78			
			125.98	0	125.98	0.00				
4	M _{rel}	0	166.78	166.78	230.59	0.00	230.59			
			125.98	0	125.98	0.00				
3	M _{rel}	0	198.30	198.30	350.36	0.00	350.36			
			198.30	0	198.30	0.00				
2	M _{rel}	0	198.30	198.30	383.80	0.00	383.80			
			198.30	0	198.30	0.00				
1	M _{rel}	0	198.30	198.30	383.80	0.00	383.80			
			198.30	0	198.30	0.00				

[illegible]

[illegible]

Inserire i valori per la gerarchia delle resistenze										
Gerarchia delle resistenze										
		CD	B		γ Rd	1.1			Mx	My
		direzione x		direzione y					---	---
Impalcato	5	Σ Mtra	252.0	Σ Mtra	126.0	sup	0.31	ordine	6	sup
						inf	0.69			inf
										42.96
										85.92
Impalcato	4	Σ Mtra	252.0	Σ Mtra	194.9	sup	0.41	ordine	5	sup
						inf	0.59			95.62
										191.23
										87.88
										113.63
Impalcato	3	Σ Mtra	396.5	Σ Mtra	274.4	sup	0.45	ordine	4	sup
						inf	0.55			126.46
										163.52
										135.82
										196.26
Impalcato	2	Σ Mtra	396.3	Σ Mtra	328.9	sup	0.47	ordine	3	sup
						inf	0.53			166.00
										226.90
										170.09
										204.91
Impalcato	1	Σ Mtra	396.3	Σ Mtra	329.1	sup	0.48	ordine	2	sup
						inf	0.52			191.77
										231.07
										173.78
										209.27
										188.26
										226.71

piano		direzione x		direzione y						
		sin	des	sin	des					
		des	sin	des	sin					
5	M _{tr}	85.03	125.98	251.95	125.98	0.00				125.98
	M _{tr}	125.97	125.98		125.98	0.00				
	M _{tr}	85.03	125.98	251.95		194.86	0.00			194.86
4	M _{tr}	125.97	125.98		166.86	0.00				
	M _{tr}	149.57	198.30	396.53	274.37	0.00				274.37
	M _{tr}	198.23	198.30		274.37	0.00				
2	M _{tr}	100.75	198.30	396.34	328.94	0.00				328.94
	M _{tr}	198.04	198.30		274.45	0.00				
1	M _{tr}	100.75	198.30	396.34	329.13	0.00				329.13
	M _{tr}	198.04	198.30		329.13	0.00				

pilastro da esaminare			21	telaio in direzione x										6	calcestruzzo C25/30 acciaio B4500C										fyd 14.17 MPa 391.30 MPa		fwe x inizio y 721 722																																																																																																																																																																																																																																																	
21	482	6	Msup	26.21	12.46	33.85	3.51	-1.03	-1.74	21	1058	6	Msup	44.85	22.80	-0.64	14.85	-0.33	-0.56	21																																																																																																																																																																																																																																																								
	483	6	Minf	-28.25	-18.30	-35.52	-7.24	1.46	2.46		1059	6	Minf	-39.43	-23.69	1.34	-27.01	0.69	1.17																																																																																																																																																																																																																																																									
	484	6	V	36.30	20.51	46.21	7.14	-1.66	-2.80		1060	6	V	36.18	30.99	-1.32	27.90	-0.68	-1.15																																																																																																																																																																																																																																																									
	485	6	N	-47.12	-32.96	-121.31	0.06	2.03	0.04		1061	6	N	-174.24	-87.64	0.76	38.39	-0.22	-0.37	6	N	-271.815	-138.232	-0.545	36.453	-0.194	-0.328																																																																																																																																																																																																																																																	
	486	5	Msup	29.18	20.88	128.59	-5.39	-2.90	-4.90		1062	5	Msup	17.82	18.24	0.94	14.10	-0.28	-0.47																																																																																																																																																																																																																																																									
	487	5	Minf	-29.43	-20.55	-55.56	-4.76	2.13	3.59		1063	5	Minf	-20.56	-14.25	-0.91	-12.13	0.35	0.59																																																																																																																																																																																																																																																									
	488	5	V	18.32	12.95	68.40	3.13	-1.57	-2.65		1064	5	V	12.92	8.47	0.57	26.84	-0.26	-0.33																																																																																																																																																																																																																																																									
	489	5	N	-267.53	-162.05	5.56	0.63	-1.15	-0.25		1065	5	N	-245.52	-137.91	0.56	9.91	0.17	0.29	5	N	-513.054	-299.599	6.118	10.542	0.02	0.034																																																																																																																																																																																																																																																	
	490	4	Msup	26.87	19.46	160.43	7.41	-3.90	-6.59		1066	4	Msup	21.67	14.56	1.34	64.04	-0.43	-0.73																																																																																																																																																																																																																																																									
	491	4	Minf	-25.62	-15.63	-164.18	-7.18	3.92	6.62		1067	4	Minf	-20.46	-13.70	-1.40	-47.07	0.46	0.77																																																																																																																																																																																																																																																									
	492	4	V	16.90	11.59	101.32	4.74	-2.45	-4.13		1068	4	V	13.17	8.83	0.86	40.97	-0.28	-0.47																																																																																																																																																																																																																																																									
	493	4	N	-439.38	-274.65	21.99	1.33	-0.54	-0.91		1069	4	N	-311.41	-185.35	-1.10	-44.29	0.54	0.91	4	N	-750.792	-460.001	20.886	-42.956	-0.003	-0.007																																																																																																																																																																																																																																																	
	494	3	Msup	29.18	20.88	128.59	-5.39	-2.90	-4.90		1070	3	Msup	21.42	14.32	0.94	14.10	-0.28	-0.47																																																																																																																																																																																																																																																									
	495	3	Minf	-28.27	-17.73	-200.71	-9.55	5.06	8.53		1071	3	Minf	-20.49	-13.76	-1.61	-77.69	0.49	0.82																																																																																																																																																																																																																																																									
	496	3	V	16.85	13.12	126.06	6.17	-3.32	-5.60		1072	3	V	13.11	8.78	1.01	48.90	-0.30	-0.51																																																																																																																																																																																																																																																									
	497	3	N	-615.64	-390.48	54.67	2.80	-1.36	-2.30		1073	3	N	-379.80	-234.44	-2.41	-113.28	0.99	1.67	1	N	-995.242	-624.921	52.254	-110.489	-0.377	-0.635																																																																																																																																																																																																																																																	
	498	2	Msup	27.85	19.22	238.97	-10.17	-5.70	-9.62		1074	2	Msup	19.35	13.33	1.90	86.68	-0.42	-0.71																																																																																																																																																																																																																																																									
	499	2	Minf	-27.45	-19.10	-239.73	-11.26	6.05	10.21		1075	2	Minf	-18.52	-13.07	-1.95	-91.47	0.45	0.76																																																																																																																																																																																																																																																									
	500	2	V	17.36	11.58	101.32	4.74	-2.45	-4.13		1076	2	V	11.83	8.25	1.20	56.30	-0.27	-0.46																																																																																																																																																																																																																																																									
	501	2	N	-793.47	-507.65	93.71	4.51	-2.35	-3.96		1077	2	N	-447.10	-282.93	-3.99	-192.11	1.43	2.42	1	N	-1240.57	-790.584	89.729	-187.595	-0.916	-1.544																																																																																																																																																																																																																																																	
	502	1	Msup	20.05	13.59	204.24	-7.14	-4.10	-6.91		1078	1	Msup	10.69	7.66	1.76	64.75	-0.05	-0.09																																																																																																																																																																																																																																																									
	503	1	Minf	-20.51	-13.35	-207.25	-7.14	4.10	6.91		1079	1	Minf	-14.90	-3.59	-1.91	-73.78	0.05	0.09																																																																																																																																																																																																																																																									
	504	1	V	6.76	4.69	154.44	-5.52	-3.23	-5.44		1080	1	V	4.21	3.04	1.00	37.44	-0.04	-0.06																																																																																																																																																																																																																																																									
	505	1	N	-975.50	-627.65	141.27	-6.28	-3.44	-5.81		1081	1	N	-509.24	-328.57	-5.61	-269.12	1.68	2.83	1	N	-1484.74	-956.219	135.657	-275.406	-1.764	-2.976																																																																																																																																																																																																																																																	
pilastro ordine			21	sezione		l x 70 cm	dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z		dimensione parallela all'asse x		dimensione parallela all'asse y		dimensione parallela all'asse z	

Inserire i valori per la gerarchia delle resistenze											
Gerarchia delle resistenze											
		CD	B	γ Rd		1.1					
		direzione x		direzione y				Mx		My	
Impalcato	5	Σ Mtra	252.0	Σ Mtra	126.0	sup	0.31	ordine	6	sup	---
		Σ Mtra		Σ Mtra		inf	0.69			inf	42.96
Impalcato	4	Σ Mtra	292.8	Σ Mtra	166.8	sup	0.41	ordine	5	sup	95.62
		Σ Mtra		Σ Mtra		inf	0.59			inf	75.22
Impalcato	3	Σ Mtra	472.4	Σ Mtra	198.3	sup	0.45	ordine	4	sup	108.24
		Σ Mtra		Σ Mtra		inf	0.55			inf	98.16
Impalcato	2	Σ Mtra	548.5	Σ Mtra	198.3	sup	0.47	ordine	3	sup	119.97
		Σ Mtra		Σ Mtra		inf	0.53			inf	102.52
Impalcato	1	Σ Mtra	548.7	Σ Mtra	198.3	sup	0.48	ordine	2	sup	115.61
		Σ Mtra		Σ Mtra		inf	0.52			inf	104.70
								ordine	1	sup	113.43
										inf	---
piano		direzione x			direzione y						
		sin	des	somma M	sin	des	somma M				
5	M _{tr}	125.98	125.98	251.96	125.98	0.00	125.98				
	M _{tr}	125.98	125.98		125.98	0.00					
4	M _{tr}	166.78	166.78	292.76	166.78	0.00	166.78				
	M _{tr}	125.98	125.98		125.98	0.00					
3	M _{tr}	198.30	274.11	472.41	198.30	0.00	198.30				
	M _{tr}	198.30	198.33		198.30	0.00					
2	M _{tr}	274.11	274.37	548.48	198.30	0.00	198.30				
	M _{tr}	198.33	274.37		198.30	0.00					
1	M _{tr}	274.37	274.37	548.75	198.30	0.00	198.30				
	M _{tr}	274.37	274.37		198.30	0.00					

[illegible]

posizione	asse	sup		qmax	qmin	Fx	Fy	MPx	MPy	p.p. d	p.p. k																	
			Mx	18.55	8.74	9.99	110.43	2.98	5.02																			
			My	13.82	10.95	145.31	-6.62	-3.63	-6.13																			
			Vx	11.25	5.30	6.23	68.93	1.86	3.13																			
			N	-1170.09	-646.83	-120.33	55.26	4.57	7.71	-60.84	-46.80	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristico)																
	asse	inf		qmax	qmin	Fx	Fy	MPx	MPy																			
			Mx	-17.47	-8.22	-9.96	-110.14	-2.96	-5.00																			
			My	-10.86	-8.90	-128.64	-6.19	3.24	5.47																			
			Vx	11.25	5.30	6.23	68.93	1.86	3.13																			
			N	-1170.09	-646.83	-120.33	55.26	4.57	7.71	-81.12	-62.40																	
pilastro	filo	sup		qmax	qmin	Fx	Fy	MPx	MPy	sisma x	sisma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy											
			Mx	15.17	7.15	8.12	89.75	2.42	4.08	10.54	93.83	38.69	96.99	45.84	-31.54	104.14	-89.84											
			My	11.51	9.08	119.62	-6.58	-2.99	-5.04	122.61	-11.63	126.10	-48.41	135.18	-117.01	-39.32	57.49											
			Vx	11.25	5.30	6.23	68.93	1.86	3.13	8.09	72.06	29.71	74.49	35.01	-24.41	79.79	-69.19											
			N	-1230.93	-693.63	-120.33	55.26	4.57	7.71	-124.90	62.97	-143.79	100.44	-837.41	-549.84	-593.19	-794.06											
	filo	inf		qmax	qmin	Fx	Fy	MPx	MPy	sisma x	sisma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy											
			Mx	-14.09	-6.63	-8.09	-89.46	-2.41	-4.06	-10.49	-93.53	-38.55	-96.67	-45.18	31.92	-103.30	90.04											
			My	-8.55	-7.04	-102.96	-6.23	2.60	4.38	-105.56	-10.61	-108.74	-42.28	-115.78	101.70	-49.32	35.24											
			Vx	11.25	5.30	6.23	68.93	1.86	3.13	8.09	72.06	29.71	74.49	35.01	-24.41	79.79	-69.19											
			N	-1251.21	-709.23	-120.33	55.26	4.57	7.71	-124.90	62.97	-143.79	100.44	-853.01	-565.44	-608.79	-809.68											
pilastro	filo	sup		qmax	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	Gar. Res.	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	qmax	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	max	disposta	Ns,max	Ms,max						
			Mx	15.17	45.84	-34.58	104.14	-89.84	239.94	71.98	71.98	239.94	239.94	As,x,nec	0.00	0.00	0.00	19.41	17.40	19.41	15.70	1228.7	335.16					
			My	11.51	135.18	-117.01	-39.32	57.49	201.88	201.88	60.57	60.57	60.57	As,y,nec	0.00	0.00	0.00	0.67	0.00	0.67	12.56	983.0	353.86					
			N	-1230.9	-637.4	-549.8	-593.2	-794.1		-637.41	-549.84	-593.19	-794.06															
			MRd,x(N)	249.03						229.64	209.85	213.12	226.94															
			MRd,y(N)	655.90						598.22	538.27	548.21	590.10															
	non verificato	verifica		0.017						0.372	0.431	1.231	1.120															
			filo	inf		qmax	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	Gar. Res.	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	qmax	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	max	disposta	Ns,max	Ms,max				
					Mx	-14.09	-45.18	31.92	-103.30	90.04	205.04	61.51	61.51	205.04	205.04	As,x,nec	0.00	0.00	0.00	15.19	13.21	15.19	15.70	1228.7	335.16			
					My	-8.55	-115.78	101.70	-49.32	35.24	172.66	172.66	172.66	172.66	172.66	As,y,nec	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	353.86			
					N	-1251.2	-853.0	-565.4	-608.79	-809.7		230.58	201.88	213.12	226.94													
					MRd,x(N)	249.76						229.64	211.04	214.27	226.94													
MRd,y(N)	658.04								601.06	541.89	551.72	593.06																
verificato	verifica		0.015						0.292	0.337	0.965	0.879																
		pilastro	ordine	22	sezione	l x ly c	80 cm 30 cm 4 cm	dimensione parallela all'asse x dimensione parallela all'asse y copriferro di calcolo				filo sup filo inf h pl	30 cm 30 cm 320 cm	distanza filo trave sup - asse trave (eventualmente ridotta di 5 cm) distanza filo trave inf - asse trave (al piede primo ordine 0) altezza pilastro (da asse a asse)						inizio	17	Nc,max Mc,max My,max						
posizione	asse		sup			qmax	qmin	Fx	Fy	MPx	MPy	p.p. d	p.p. k															
						Mx	15.98	7.58	11.33	121.62	3.34	5.63																
						My	8.66	7.25	163.36	-6.82	-3.67	4.54																
						Vx	9.64	4.56	7.15	76.64	2.11	3.55																
						N	-1470.12	-819.73	-208.07	82.77	7.74	13.06	-81.12	-62.40	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristico)													
	asse	inf				qmax	qmin	Fx	Fy	MPx	MPy																	
						Mx	-14.85	-7.02	-11.54	-123.62	-3.40	-5.73																
						My	-5.67	-5.52	-155.31	-7.92	4.08	6.89																
						Vx	9.64	4.56	7.15	76.64	2.11	3.55																
						N	-1470.12	-819.73	-208.07	82.77	7.74	13.06	-101.40	-78.00														
	filo	sup				qmax	qmin	Fx	Fy	MPx	MPy	sisma x	sisma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy									
						Mx	13.09	6.21	9.19	98.63	2.71	4.57	11.90	103.20	42.86	106.77	49.06	-36.65	112.97	-100.56								
						My	7.32	6.06	133.51	-7.02	-3.13	-5.28	136.64	-12.29	140.33	-53.28	146.38	-134.27	-47.23	59.34								
						Vx	9.64	4.56	7.15	76.64	2.11	3.55	9.25	80.19	33.31	82.96	37.87	-28.75	87.53	-78.40								
						N	-1551.24	-882.13	-208.07	82.77	7.74	13.06	-215.81	95.83	-244.56	160.57	-1126.69	-637.57	-721.55	-1042.70								
	filo	inf				qmax	qmin	Fx	Fy	MPx	MPy	sisma x	sisma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy									
						Mx	-11.96	-5.65	-9.39	-100.62	-2.77	-4.87	-12.16	-105.29	-43.75	-108.94	-49.40	36.09	-114.59	103.29								
						My	-4.32	-4.33	-125.43	-7.82	3.34	5.63	-126.77	-13.45	-132.80	-52.08	-137.13	128.48	-66.41	47.76								
						Vx	9.64	4.56	7.15	76.64	2.11	3.55	9.25	80.19	33.31	82.96	37.87	-28.75	87.53	-78.40								
						N	-1571.52	-897.73	-208.07	82.77	7.74	13.06	-215.81	95.83	-244.56	160.57	-1142.29	-653.17	-737.15	-1058.30								
	pilastro	filo	sup		qmax	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	Gar. Res.	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	qmax	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	max	disposta	Ns,max	Ms,max					
				Mx	13.09	49.06	-36.65	112.97	-100.56	231.22	69.37	69.37	231.22	231.22	As,x,nec	0.00	0.00	0.00	17.07	14.49	17.07	15.70	1228.7	335.16				
				My	7.32	146.38	-134.27	-47.23	59.34	194.70	194.70	58.41	58.41	59.34	As,y,nec	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	353.86				
non verificato	verifica		0.013						0.317	0.388	1.094	0.969																
		filo	inf		qmax	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	Gar. Res.	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	qmax	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	max	disposta	Ns,max	Ms,max					
				Mx	-11.96	-49.40	38.09	-114.59	103.29	183.64	55.09	55.09	183.64	183.64	As,x,nec	0.00	0.00	0.00	11.39	8.87	11.39	15.70	1228.7	335.16				
				My	-4.32	-137.13	128.48	-66.41	47.76	176.33	176.33	56.41	56.41	52.90	As,y,nec	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	353.86				
				N	-1571.5	-1142.3	-637.2	-737.2	-1058.3		-1142.29	-653.17	-737.15	-1058.30														
				MRd,x(N)	257.24						244.82	216.36	222.20	240.93														
MRd,y(N)	678.85								643.54	558.07	575.79	632.01																
verificato	verifica		0.011						0.249	0.304	0.776	0.686																
		pilastro	ordine	22	sezione	l x ly c	80 cm 30 cm 4 cm	dimensione parallela all'asse x dimensione parallela all'asse y copriferro di calcolo				filo sup filo inf h pl	30 cm 30 cm 370 cm	distanza filo trave sup - asse trave (eventualmente ridotta di 5 cm) distanza filo trave inf - asse trave (al piede primo ordine 0) altezza pilastro (da asse a asse)						inizio	21	Nc,max Mc,max My,max						
posizione	asse		sup			qmax	qmin	Fx	Fy	MPx	MPy	p.p. d	p.p. k															
						Mx	8.50	4.08	8.50	83.87	2.44	4.11																
						My	5.99	4.83	150.60	-5.22	-2.88	-4.86																
						Vx	3.29	1.58	4.57	45.12	1.31	2.21																
						N	-1769.70	-991.32	-301.63	137.11	10.84	18.29	-132.60	-102.00	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristico)													
	asse	inf				qmax	qmin	Fx	Fy	MPx	MPy	p.p. d	p.p. k															
					Mx	-3.68	-1.72	-8.41	-83.08	-2.41	-4.07																	
					My	2.07	0.63	-340.37	-12.33	7.23	12.20																	
					Vx	3.29	1.58	4.57	45.12	1.31	2.21																	
					N	-1769.70	-991.32	-301.63	137.11	10.84	18.29	-159.12	-122.40															
	filo	sup				qmax	qmin	Fx	Fy	MPx	MPy	sisma x	sisma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy									
						Mx	7.51	3.59	7.13	76.33	2.04	3.45	11.77	137.78	31.30	76.53	34.89	-27.71	80.12	-72.94								
						My	5.67	4.48	110.79	-3.80	-2.06	-3.47	112.85	-7.27	115.03	-41.13	119.51	-110.54	-36.64	45.61								
						Vx	3.29	1.58	4.57	45.12	1.31	2.21	5.88	43.08	49.10	21.64	84.52	50.66	-47.45	-13.42								
						N	-1902.30	-1093.32	-301.63	137.11	10.84	18.29	-312.47	155.40	-359.08	249.14	-1452.40	-734.23	-884.18	-1347.45								
filo	inf				qmax	qmin	Fx	Fy	MPx	MPy	sisma x	sisma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy										
					Mx	-3.68	-1.72	-8.41	-83.08	-																		

posizione asse sup	asse sup	Mx	q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	p.p. d	p.p. k													
			22.83	13.16	28.96	156.13	10.03	16.93															
			-3.06	-1.73	29.63	-1.37	-0.74	-1.25															
			13.22	7.61	16.90	90.90	5.88	9.92															
			-1.89	-1.07	17.97	0.84	-0.45	-0.76															
			N	-1372.47	-718.59	-56.86	-120.92	-6.76	-11.40	-60.84	-46.80	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristico)											
			q _{max}	q _{min}	F _x	F _y	MP _x	MP _y															
			-19.46	-11.17	-25.40	-136.20	-8.78	-14.82															
			2.99	1.69	-27.98	-1.34	0.71	1.19															
			13.22	7.61	16.90	90.90	5.88	9.92															
			-1.89	-1.07	17.97	0.84	-0.45	-0.76															
			N	-1372.47	-718.59	-56.86	-120.92	-6.76	-11.40	-81.12	-62.40												
posizione asse inf	filo sup	Mx	q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	s _{max} x	s _{max} y	x + 0.3 y	y + 0.3 x	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y							
			23.87	10.88	23.86	128.72	8.27	13.95	32.13	142.67	74.93	152.31	85.81	-64.05	163.19	-141.43							
			-2.49	-1.41	24.23	-1.36	-0.61	-1.02	24.83	-2.39	25.55	-9.84	24.14	-26.96	-11.25	8.43							
			13.22	7.61	16.90	90.90	5.88	9.92	22.77	100.82	53.02	107.66	60.63	-45.42	115.26	-100.05							
			-1.89	-1.07	17.97	0.84	-0.45	-0.76	18.42	1.61	18.90	7.13	17.83	-19.97	6.06	-8.20							
			N	-1433.31	-765.39	-56.86	-120.92	-6.76	-11.40	-63.62	-132.32	-103.32	-151.41	-668.71	-662.07	-616.80	-613.98						
			q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	s _{max} x	s _{max} y	x + 0.3 y	y + 0.3 x	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y							
			-15.50	-8.89	-20.30	-108.79	-7.02	-11.84	-27.32	-120.64	-63.51	-128.83	-72.41	54.62	-137.73	119.94							
			My	2.42	1.37	-22.58	-1.34	0.57	0.96	-23.15	-2.30	-23.84	-9.25	-22.47	25.21	-7.88	10.62						
			Vx	13.22	7.61	16.90	90.90	5.88	9.92	22.77	100.82	53.02	107.66	60.63	-45.42	115.26	-100.05						
			Vy	-1.89	-1.07	17.97	0.84	-0.45	-0.76	18.42	1.61	18.90	7.13	17.83	-19.97	6.06	-8.20						
			N	-1453.59	-780.99	-56.86	-120.92	-6.76	-11.40	-63.62	-132.32	-103.32	-151.41	-684.31	-677.67	-632.40	-629.58						
pilastro ordine 3	filo sup	Mx	q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	Car. Res.	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	As _{x,nec}	q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	max	disposta	Ns,max	Mx,max	
			18.87	85.81	-64.05	163.19	-141.43	202.09	85.81	64.05	202.09	202.09	As _{x,nec}	0.00	0.00	0.00	0.00	0.10	0.10	15.70	1228.7	442.33	
			-2.49	24.14	-26.96	-11.25	8.43	72.18	-2.49	24.14	-26.96	-11.25	8.43	As _{y,nec}	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	106.13
			N	-1433.3	868.7	-662.1	-916.8	-614.0		-668.71	-662.07	-616.80	-613.98		0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	106.13
			MRd,x(N)	761.20						691.01	650.97	699.31	640.66										
			MRd,y(N)	228.15						204.64	190.91	207.46	187.35										
			verifica	0.005						0.253	0.263	0.189	0.216										
			q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	Car. Res.	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	As _{x,nec}	q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	max	disposta	Ns,max	Mx,max	
			Mx	-15.50	-72.41	54.62	-137.73	119.94	211.84	72.41	63.55	211.84	211.84	As _{x,nec}	0.00	0.00	0.00	0.00	0.30	0.30	15.70	1228.7	442.33
			My	2.42	-22.47	25.21	-7.88	10.62	61.68	61.68	61.68	18.50	18.50	As _{y,nec}	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	106.13
			N	-1453.59	868.7	-662.1	-916.8	-614.0		-684.31	-677.67	-616.80	-613.98	As _{y,nec}	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	106.13
			MRd,x(N)	762.49						693.75	654.24	701.91	644.04										
MRd,y(N)	228.57						205.57	192.03	208.35	188.52													
verifica	0.004						0.199	0.212	0.192	0.219													
posizione asse sup	sezione 23 ordine 2	I x	30	cm	dimensione parallela all'asse x				filo sup	30	cm	distanza filo trave sup - asse trave (eventualmente ridotta di 5 cm)				inizio	17						
			ly	80	cm	dimensione parallela all'asse y				filo inf	30	cm	distanza filo trave inf - asse trave (al piede primo ordine 0)										
			c	4	cm	copriferro di calcolo				h pl	320	cm	altezza pilastro (da asse a asse)										
			q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	p.p. d	p.p. k													
			23.20	12.02	32.43	174.02	10.91	18.40															
			-3.26	-1.82	34.43	-1.47	-0.82	-1.39															
			13.17	7.35	19.16	103.69	6.63	11.18															
			-2.25	-1.28	21.44	-0.96	-0.53	-0.89															
			N	-1730.87	-910.36	-74.91	-206.54	-12.31	-20.77	-81.12	-62.40	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristico)											
			q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	p.p. d	p.p. k													
			-20.79	-11.51	-29.07	-159.53	-10.30	-17.38															
			My	3.99	2.29	-34.22	-1.61	0.86	1.48														
Vx	13.17	7.35	19.16	103.69	6.63	11.18																	
-2.25	-1.28	21.44	-0.96	-0.53	-0.89																		
N	-1730.87	-910.36	-74.91	-206.54	-12.31	-20.77	-101.40	-74.80	96														
posizione asse inf	filo sup	Mx	q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	s _{max} x	s _{max} y	x + 0.3 y	y + 0.3 x	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y							
			17.41	9.81	26.68	142.85	9.92	15.34	35.68	157.69	82.95	168.57	92.76	-73.14	178.38	-158.76							
			-2.52	-1.44	27.99	-1.48	-0.67	-1.12	28.66	-2.61	29.44	-11.20	28.00	-30.80	-12.64	9.77							
			Vx	13.17	7.35	19.16	103.69	6.63	11.18	25.79	114.87	60.25	122.60	67.60	-52.99	129.95	-115.25						
			-2.25	-1.28	21.44	-0.96	-0.53	-0.89	21.97	1.85	22.52	-8.44	21.24	-23.81	-9.73	7.16							
			N	-1811.99	-972.76	-74.91	-206.54	-12.31	-20.77	-87.21	-227.31	-155.41	-253.47	-1128.17	-817.35	-1226.23	-719.29						
			q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	s _{max} x	s _{max} y	x + 0.3 y	y + 0.3 x	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y							
			-16.84	-9.30	-23.31	-127.35	-8.31	-11.43	-31.62	-141.38	-74.34	-115.86	-83.34	64.73	-160.17	141.56							
			My	3.32	1.90	-27.78	-1.60	0.71	1.09	-26.49	-2.79	-32.02	-10.30	-32.42	31.23	-9.43	13.24						
			Vx	13.17	7.35	19.16	103.69	6.63	11.18	25.79	114.87	60.25	122.60	67.60	-52.99	129.95	-115.25						
			-2.25	-1.28	21.44	-0.96	-0.53	-0.89	21.97	1.85	22.52	-8.44	21.24	-23.81	-9.73	7.16							
			N	-1832.27	-988.36	-74.91	-206.54	-12.31	-20.77	-87.21	-227.31	-155.41	-253.47	-1143.77	-832.95	-1241.83	-734.89						
pilastro ordine 2	filo inf	Mx	q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	Car. Res.	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	As _{x,nec}	q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	max	disposta	Ns,max	Mx,max	
			17.41	92.76	-73.14	178.38	-158.76	238.88	92.76	73.14	238.88	238.88	As _{x,nec}	0.00	0.00	0.00	0.00	0.52	0.52	15.70	1228.7	442.33	
			-2.52	28.00	-30.80	-12.64	9.77	69.55	69.55	20.87	20.87	As _{y,nec}	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	106.13		
			N	-1812.0	-1128.2	-817.4	-1226.2	-719.3		-1128.17	-817.35	-1226.23	-719.29		0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	106.13
			MRd,x(N)	762.39						730.92	681.72	742.76	662.76										
			MRd,y(N)	228.53						218.14	201.46	222.10	194.96										
			verifica	0.005						0.225	0.238	0.211	0.251										
			q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	Car. Res.	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	As _{x,nec}	q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	max	disposta	Ns,max	Mx,max	
			Mx	-16.84	-83.34	64.73	-160.17	141.56	227.11	83.34	68.13	227.11	227.11	As _{x,nec}	0.00	0.00	0.00	0.00	0.00	0.00	15.70	1228.7	442.33
			My	3.32	-27.42	31.23	-9.43	13.24	62.99	62.99	62.99	18.90	18.90	As _{y,nec}	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	106.13
			N	-1832.3	-1143.8	-833.0	-1241.8	-734.9		-1143.77	-832.95	-1241.83	-734.89		0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	106.13
			MRd,x(N)	761.10						732.93	684.59	744.46	665.88										
MRd,y(N)	228.12						218.82	202.44	222.66	196.04													
verifica	0.005						0.193	0.205	0.193	0.229													
posizione asse sup	sezione 23 ordine 1	I x	30	cm	dimensione parallela all'asse x				filo sup	30	cm	distanza filo trave sup - asse trave (eventualmente ridotta di 5 cm)				inizio	21						
			ly	80	cm	dimensione parallela all'asse y				filo inf	30	cm	distanza filo trave inf - asse trave (al piede primo ordine 0)										
			c	4	cm	copriferro di calcolo				h pl	370	cm	altezza pilastro (da asse a asse)										
			q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	p.p. d	p.p. k													
			16.59	9.11	33.60	172.27	10.38	17.51															
			-2.13	-1.22	28.81	-1.01	-0.58	-0.98															
			Vx	5.39	2.98	28.56	148.39	9.09	15.34														
			-1.06	-0.61	21.75	-0.78	-0.46	-0.77															
			N	-2088.13	-1101.15	-94.49	-301.95	-															

pilastro da esaminare			24	testati in direzione x			6	calcestruzzo C25/30 acciaio B450C			fod fyd	14.17 391.30 MPa	fine x 721			722											
24	554	6	Msup	28.44	15.25	9.57	0.98	-0.29	-0.49	24	1370	6	Msup	25.89	12.92	9.35	32.00	3.62	6.10		24						
	555	6	Minf	-21.21	-11.89	-2.18	-1.12	0.16	0.27		1371	6	Minf	-29.62	-15.61	4.66	-5.45	-0.78	-1.32								
	556	6	V	33.10	18.10	7.80	1.38	-0.30	-0.51		1372	6	V	37.01	19.02	7.25	24.49	2.93	4.94								
	557	6	N	-66.55	-36.99	-4.78	-0.35	0.13	0.23		1373	6	N	-125.18	-62.36	-0.47	-1.49	-0.12	-0.21		6						
	558	5	Msup	11.52	6.71	15.71	-0.47	-0.31	-0.53		1374	5	Msup	2.97	2.20	30.44	94.33	10.16	17.14								
	559	5	Minf	-14.23	-8.15	-8.82	-0.43	0.19	0.33		1375	5	Minf	-10.13	-5.77	-16.42	-49.59	-6.39	-9.10								
	560	5	V	8.05	4.64	7.63	-0.28	-0.16	-0.27		1376	5	V	4.09	2.49	14.59	44.79	4.86	8.20								
	561	5	N	-105.74	-59.32	-11.08	-0.77	0.30	0.51		1377	5	N	-291.62	-159.23	6.64	21.81	2.39	4.03		5						
	562	4	Msup	16.29	9.25	16.29	0.89	-0.46	-0.78		1378	4	Msup	11.26	6.37	33.37	113.25	11.93	20.14								
	563	4	Minf	-15.29	-8.70	-16.33	-0.79	0.38	0.65		1379	4	Minf	-8.31	-4.70	-32.64	-107.64	-11.25	-18.99								
	564	4	V	9.87	5.61	10.86	0.52	-0.26	-0.44		1380	4	V	6.12	3.46	20.54	68.75	7.25	12.23								
	565	4	N	-144.31	-81.31	-21.95	-1.24	0.54	0.92		1381	4	N	-460.91	-257.58	18.35	60.10	6.54	11.03		4						
	566	3	Msup	15.82	9.01	14.30	-0.64	-0.35	-0.60		1382	3	Msup	10.79	5.95	40.52	137.81	14.64	24.69								
	567	3	Minf	-14.99	-8.54	-13.23	-0.64	0.33	0.56		1383	3	Minf	-8.36	-4.62	-35.61	-119.06	-12.86	-21.70								
	568	3	V	9.63	5.49	8.50	0.40	-0.22	-0.36		1384	3	V	5.99	3.30	23.64	79.77	8.59	14.50								
	569	3	N	-183.03	-103.37	-31.94	-1.73	0.81	1.37		1385	3	N	-633.45	-358.12	38.22	126.80	13.82	23.32		3						
	570	2	Msup	16.36	9.31	18.19	-0.77	-0.43	-0.73		1386	2	Msup	10.48	5.88	45.77	157.16	16.06	27.09								
	571	2	Minf	-16.03	-10.26	-15.85	-0.89	0.44	0.74		1387	2	Minf	-8.48	-4.77	-41.07	-136.48	-15.29	-25.79								
	572	2	V	10.75	6.12	10.60	0.51	-0.27	-0.46		1388	2	V	5.92	3.33	27.04	91.49	9.80	16.53								
	573	2	N	-221.78	-125.46	-43.18	-2.23	1.10	1.85		1389	2	N	-805.66	-458.48	61.07	204.55	22.26	37.55		2						
	574	1	Msup	11.99	6.84	17.00	-0.60	-0.31	-0.53		1390	1	Msup	9.48	5.32	46.69	163.31	14.91	25.16								
	575	1	Minf	-5.28	-2.99	-45.77	1.66	0.97	1.64		1391	1	Minf	1.21	0.63	-106.35	-371.95	-35.77	-60.36								
	576	1	V	4.67	2.66	16.96	-0.60	-0.35	-0.58		1392	1	V	2.24	1.27	41.33	145.16	13.70	23.11								
	577	1	N	-263.19	-147.35	-54.82	-2.66	1.37	2.31		1393	1	N	-877.28	-558.48	85.41	288.98	30.95	52.21		1						
pilastro ord		24	sezione		l x	30	dimensione parallela all'asse x		flo sup	30	distanza flo trave sup - asse trave (eventualmente ridotta di 5 cm)		inizio	1	Nc,max		2550.0	kN									
		6	ly c		40	dimensione parallela all'asse y		flo inf	30	distanza flo trave inf - asse trave (al piede primo ordine 0)					Moc,max		183.6	kNm									
			h c		4	copriferio di calcolo		h pl	150	altezza pilastro (da asse a asse)					Moy,max		91.8	kNm									
posizione		asse	sup	qmax		qmin	Fx	Fy	MPa)	M(Fy)	p.p. d	p.p. k	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani														
				Mx		25.89	12.92	9.35	32.00	3.62	6.10		Se così non è, inserire manualmente il valore (caratteristico)														
				My		28.44	15.25	9.57	0.98	-0.29	-0.49																
				Vx		37.01	19.02	7.25	24.49	2.93	4.94																
				Vy		33.10	18.10	7.80	1.38	-0.30	-0.51																
				N		-191.73	-99.34	-5.25	-1.83	0.01	0.02	0.00															
		asse	inf	qmax		qmin	Fx	Fy	MPa)	M(Fy)																	
				Mx		-29.62	-15.61	4.66	-5.45	-0.78	-1.32																
				My		-21.21	-11.89	-2.18	-1.12	0.16	0.27																
				Vx		37.01	19.02	7.25	24.49	2.93	4.94																
				Vy		33.10	18.10	7.80	1.38	-0.30	-0.51	-5.27															
				N		-191.73	-99.34	-5.25	-1.83	0.01	0.02	-4.05															
		flo	sup	qmax		qmin	Fx	Fy	MPa)	M(Fy)	sigma x	sigma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy									
				Mx		14.79	7.22	8.41	24.51	2.74	4.62	11.15	29.13	19.89	32.47	27.11	-12.67	39.69	-25.26								
				My		18.51	9.82	7.22	0.66	-0.20	-0.34	7.42	0.90	7.69	3.12	17.51	2.13	12.94	6.70								
				Vx		37.01	19.02	7.25	24.49	2.93	4.94	10.18	29.44	19.01	32.49	38.04	0.01	51.51	-13.47								
				Vy		33.10	18.10	7.80	1.38	-0.30	-0.51	8.10	1.89	8.67	4.32	26.76	9.43	22.42	13.77								
				N		-191.73	-99.34	-5.25	-1.83	0.01	0.02	-5.26	-1.85	-5.81	-3.43	-105.16	-93.53	-102.77	-95.92								
		flo	inf	qmax		qmin	Fx	Fy	MPa)	M(Fy)	sigma x	sigma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy									
				Mx		-18.52	-9.90	5.64	2.04	0.10	0.12	6.70	2.21	6.36	3.92	-3.54	-16.27	-5.09	-13.82								
				My		-11.28	-6.46	0.17	-0.70	0.07	-0.12	0.24	-0.82	-0.49	-0.89	-5.97	-6.95	-7.36	-5.57								
				Vx		37.01	19.02	7.25	24.49	2.93	4.94	10.18	29.44	19.01	32.49	38.04	0.01	51.51	-13.47								
				Vy		33.10	18.10	7.80	1.38	-0.30	-0.51	8.10	1.89	8.67	4.32	26.76	9.43	22.42	13.77								
				N		-196.99	-103.39	-5.25	-1.83	0.01	0.02	-5.26	-1.85	-5.81	-3.43	-109.21	-97.58	-106.82	-99.97								
pilastro ord		24	sezione		l x	30	dimensione parallela all'asse x		flo sup	30	distanza flo trave sup - asse trave (eventualmente ridotta di 5 cm)		inizio	5	Nc,max		2975.0	kN									
		6	ly c		70	dimensione parallela all'asse y		flo inf	30	distanza flo trave inf - asse trave (al piede primo ordine 0)					Moc,max		249.9	kNm									
			h c		4	copriferio di calcolo		h pl	320	altezza pilastro (da asse a asse)					Moy,max		107.1	kNm									
posizione		asse	sup	qmax		qmin	Fx	Fy	MPa)	M(Fy)	p.p. d	p.p. k	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani														
				Mx		2.97	2.20	30.44	94.33	10.16	17.14		Se così non è, inserire manualmente il valore (caratteristico)														
				My		11.52	6.71	15.71	-0.57	-0.31	-0.53																
				Vx		4.09	2.49	14.59	44.79	4.86	8.20																
				Vy		8.05	4.64	7.63	-0.28	-0.16	-0.27																
				N		-397.36	-216.55	-4.44	21.04	2.69	4.53	-17.75	-13.65														
		asse	inf	qmax		qmin	Fx	Fy	MPa)	M(Fy)																	
				Mx		-10.13	-5.77	-16.42	-49.59	-5.39	-9.10																
				My		-14.23	-8.15	-8.62	-0.43	0.19	0.33																
				Vx		4.09	2.49	14.59	44.79	4.86	8.20																
				Vy		8.05	4.64	7.63	-0.28	-0.16	-0.27																
				N		-397.36	-216.55	-4.44	21.04	2.69	4.53	-35.49	-27.30														
		flo	sup	qmax		qmin	Fx	Fy	MPa)	M(Fy)	sigma x	sigma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy									
				Mx		1.75	1.46	26.05	80.83	8.70	14.68	34.75	95.51	63.40	105.94	64.86	-61.94	107.39	-104.48								
				My		9.11	5.31	13.41	-0.55	-0.27	-0.45	13.68	-1.00	13.98	-5.11	19.29	-8.66	0.21	10.42								
				Vx		4.09	2.49	14.59	44.79	4.86	8.20	19.45	52.98	35.34	58.82	37.83	-32.85	61.31	-56.33								
				Vy		8.05	4.64	7.63	-0.28	-0.16	-0.27	7.79	-0.55	7.95	-2.89	12.60	-3.31	1.76	7.53								
				N		-415.11	-232.20	-4.44	21.04	2.69	4.53	-7.13	25.57	-14.80	27.71	-247.00	-217.40	-204.49	-259.91								
		flo	inf	qmax		qmin	Fx	Fy	MPa)	M(Fy)	sigma x	sigma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy									
				Mx		-8.90	-5.02	-12.02	-36.10	-3.93	-6.84	-15.95	42.73	-28.78	47.52	-33.80	23.76	-52.54	42.50								
				My		-11.82	-6.76	-6.52	-0.44	0.15	0.25	-0.67	-0.69	-6.87	-2.69	-13.63	0.11	-9.45	-4.07								
				Vx		4.09	2.49	14.59	44.79	4.86	8.20	19.45	52.98	35.34	58.82	37.83	-32.85	61.31	-56.33								
				Vy		8.05	4.64	7.63	-0.28	-0.16	-0.27	7.79	-0.55	7.95	-2.89	12.60	-3.31	1.76	7.53								
				N		-432.85	-246.85	-4.44	21.04	2.69	4.53	-7.13	25.57	-14.80	27.71	-260.65	-231.05	-218.14	-273.56								
pilastro ord		24	sezione		l x	30	dimensione parallela all'asse x		flo sup	30	distanza flo trave sup - asse trave (eventualmente ridotta di 5 cm)		inizio	5	Nc,max		2975.0	kN									
		5	ly c		70	dimensione parallela all'asse y		flo inf	30	distanza flo trave inf - asse trave (al piede primo ordine 0)					Moc,max		94.2	kNm									
			h c		4	copriferio di calcolo		h pl	320	altezza pilastro (da asse a asse)					Moy,max		125.6	983.0		108.13							
posizione		asse	sup	qmax		qmin	Fx	Fy	MPa)	M(Fy)	p.p. d	p.p. k	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani														
				Mx		1.75	1.46	26.05	80.83	8.70	14.68	34.75	95.51	63.40			105.										

posizione	asse	sup	q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	p.p. d	p.p. k													
			Mx	10.79	5.95	40.52	137.81	14.64	24.69														
			My	15.82	9.01	14.30	-0.64	-0.35	-0.60														
			Vx	5.99	3.30	23.64	79.77	8.59	14.50														
			Vy	9.63	5.49	8.50	0.40	-0.22	-0.36														
			N	-816.48	-461.49	6.28	125.07	14.64	24.70	-60.84	-46.80	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente i valori (caratteristici)											
			q _{max}	q _{min}	F _x	F _y	MP _x	MP _y															
asse	inf	Mx	-8.35	-4.82	-35.61	-119.06	-12.86	-21.70															
		My	-14.99	-8.54	-13.23	-0.64	0.33	0.56															
		Vx	5.99	3.30	23.64	79.77	8.59	14.50															
		Vy	9.63	5.49	8.50	0.40	-0.22	-0.36															
		N	-816.48	-461.49	6.28	125.07	14.64	24.70	-60.84	-46.40													
		q _{max}	q _{min}	F _x	F _y	MP _x	MP _y																
filo	sup	Mx	9.00	4.95	33.38	113.73	12.06	20.34	45.44	134.07	85.66	147.70	90.82	-80.71	152.66	-142.75							
		My	12.93	7.37	11.72	-0.64	-0.29	-0.49	12.01	-1.13	12.35	-4.73	19.72	-4.98	2.64	12.10							
		Vx	5.99	3.30	23.64	79.77	8.59	14.50	32.23	94.27	60.51	103.93	63.81	-57.21	107.24	-100.63							
		Vy	9.63	5.49	8.50	0.40	-0.22	-0.36	8.71	0.76	8.94	3.37	14.42	-3.45	8.86	2.11							
		N	-877.32	-508.29	6.28	125.07	14.64	24.70	20.92	149.76	65.85	156.04	-442.45	-574.14	-352.25	-664.33							
		q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	x + 0.3 y	y - 0.3 x	q _{max} - F _x	q _{min} - F _x	q _{max} - F _y	q _{min} - F _y										
filo	inf	Mx	-6.57	-3.63	-28.47	-94.97	-10.28	-17.35	-38.76	-112.33	-72.45	-123.95	-76.08	68.82	-127.58	120.32							
		My	-12.10	-6.89	-10.65	-0.64	0.27	0.45	-10.91	-1.09	-11.24	-4.37	-18.14	4.35	-11.28	-2.52							
		Vx	5.99	3.30	23.64	79.77	8.59	14.50	32.23	94.27	60.51	103.93	63.81	-57.21	107.24	-100.63							
		Vy	9.63	5.49	8.50	0.40	-0.22	-0.36	8.71	0.76	8.94	3.37	14.42	-3.45	8.86	2.11							
		N	-897.60	-523.89	6.28	125.07	14.64	24.70	20.92	149.76	65.85	156.04	-458.05	-589.74	-367.85	-679.93							
		q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	x + 0.3 y	y - 0.3 x	q _{max} - F _x	q _{min} - F _x	q _{max} - F _y	q _{min} - F _y										
pilastro	filo	sup	Mx	9.00	90.62	-80.71	152.66	214.21	214.21	90.62	80.71	214.21	214.21	As _{x,nec}	0.00	0.00	0.00	3.14	0.09	3.14	12.56	983.0	353.86
			My	12.93	19.72	-4.98	2.64	12.10	36.09	36.09	36.09	10.83	12.10	As _{y,nec}	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	106.13
			N	-877.3	-442.4	-574.1	-352.3	-664.3			-442.45	-574.14	-352.25	-664.33									
			MRd _x (N)	605.39							512.29	543.88	489.02	563.84									
			MRd _y (N)	205.15							173.60	184.31	165.72	191.07									
			verifica	0.018							0.169	0.144	0.307	0.250									
filo	inf	Mx	-6.57	-76.08	68.82	-127.58	120.32	211.87	76.08	68.82	211.87	211.87	As _{x,nec}	0.00	0.00	0.00	2.89	0.00	2.89	12.56	983.0	353.86	
		My	-12.10	-18.14	4.35	-11.26	-2.52	30.84	30.84	30.84	11.26	9.25	As _{y,nec}	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	106.13	
		N	-897.6	-458.0	-589.7	-367.9	-678.9			-458.05	-589.74	-367.85	-679.93										
		MRd _x (N)	606.93							516.18	547.44	493.14	567.16										
		MRd _y (N)	206.35							174.92	185.51	167.11	192.20										
		verifica	0.015							0.131	0.112	0.299	0.239										

ordine	24	sezione	l x y	30 cm	cm	dimensione parallela all'asse x dimensione parallela all'asse y				filo sup	30 cm	cm	distanza filo trave sup - asse trave (eventualmente ridotta di 5 cm)				inizio				17	Nc,max	3400.0 kN							
2			80 cm	4 cm			dimensione parallela all'asse y copriferio di calcolo				filo inf	30 cm	cm	distanza filo trave inf - asse trave (al piede primo ordine 0)									Nc,min	326.4 kNm						
posizione	asse	sup	qmax	qmin	Fx	Fy	MP(x)	MP(y)	p.p. d	p.p. k	altezza pilastro (da asse a asse)															Moy,max	122.4 kNm			
			Mx	10.48	5.88	45.77	157.16	16.06	27.09																					
			My	16.36	9.31	18.19	-0.77	-0.43	-0.73																					
			Vx	5.92	3.33	27.04	91.49	9.80	16.53																					
			Vy	10.75	6.12	10.60	0.51	-0.27	-0.46																					
			N	-1027.43	-583.94	17.90	202.33	23.35	39.40	-81.12	-62.40	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani																		
													Se così non è, inserire manualmente il valore (caratteristico)																	
	asse	inf	qmax	qmin	Fx	Fy	MP(x)	MP(y)																						
			Mx	-8.48	-4.77	-41.07	-138.48	-15.29	-25.79																					
			My	-18.03	-10.26	-15.85	-0.89	0.44	0.74																					
			Vx	5.92	3.33	27.04	91.49	9.80	16.53																					
			Vy	10.75	6.12	10.60	0.51	-0.27	-0.46																					
			N	-1027.43	-583.94	17.90	202.33	23.35	39.40	-101.40	-78.00																			
		filo	sup	qmax	qmin	Fx	Fy	MP(x)	MP(y)	smax+x	smax+y	x+0.3 y	y+0.3 x	qmax-Fx	qmin-Fx	qmin-Fy	qmin-Fy													
				Mx	8.70	4.88	37.83	129.63	13.12	22.14	50.75	151.77	96.28	166.99	101.16	-91.40	171.87	-162.11												
				My	13.14	7.48	15.00	-0.78	-0.35	-0.59	15.35	-1.37	15.76	-5.98	23.24	-8.28	1.50	13.46												
				Vx	5.92	3.33	27.04	91.49	9.80	16.53	36.83	106.02	69.24	119.07	72.56	-65.91	122.39	-115.74												
				Vy	10.75	6.12	10.60	0.51	-0.27	-0.46	10.87	0.97	11.16	4.23	17.28	-5.05	10.35	1.88												
				N	-1108.55	-646.34	17.90	202.33	23.35	39.40	41.25	241.73	113.77	254.10	-548.17	-775.70	-407.84	-916.04												
		filo	inf	qmax	qmin	Fx	Fy	MP(x)	MP(y)	smax+x	smax+y	x+0.3 y	y+0.3 x	qmax-Fx	qmin-Fx	qmin-Fy	qmin-Fy													
				Mx	-8.70	-4.88	-37.83	-129.63	-13.12	-22.14	-50.75	-151.77	-96.28	-166.99	-101.16	91.40	-171.87	162.11												
				My	-13.14	-7.48	-15.00	0.78	0.35	0.59	-15.35	1.37	-15.76	5.98	-23.24	8.28	-1.50	-13.46												
				Vx	-5.92	-3.33	-27.04	-91.49	-9.80	-16.53	-36.83	-106.02	-69.24	-119.07	-72.56	-65.91	122.39	-115.74												
				Vy	-10.75	-6.12	-10.60	-0.51	0.27	0.46	-10.87	-0.97	-11.16	-4.23	-17.28	-5.05	10.35	1.88												
				N	-1128.83	-661.94	17.90	202.33	23.35	39.40	-41.25	-241.73	-113.77	-254.10	-548.17	-775.70	-407.84	-916.04												
	pilastro	filo	sup	qmax	qmin	Fx	Fy	qmin-Fx	qmin-Fy	Ger. Res.	qmax-Fx	qmin-Fy	qmin-Fy	qmin-Fy	qmin-Fy	qmin-Fy	max	disposta	Ns,max	Mu,max										
				Mx	8.70	4.88	37.83	129.63	-101.16	91.40	238.92	238.92	0.00	0.00	0.00	3.58	0.00	3.58	12.56	983.0	353.86									
				My	13.14	7.48	-15.00	-0.78	-0.35	-0.59	15.35	-1.37	-15.76	-5.98	23.24	-8.28	1.50	13.46												
				Vx	5.92	3.33	27.04	91.49	9.80	16.53	36.83	106.02	69.24	119.07	72.56	-65.91	122.39	-115.74												
				Vy	10.75	6.12	10.60	0.51	-0.27	-0.46	10.87	0.97	11.16	4.23	17.28	-5.05	10.35	1.88												
				N	-1108.55	-646.34	17.90	202.33	23.35	39.40	41.25	241.73	113.77	254.10	-548.17	-775.70	-407.84	-916.04												
	24 ordine 2	filo	sup	qmax	qmin	Fx	Fy	qmin-Fx	qmin-Fy	Ger. Res.	qmax-Fx	qmin-Fy	qmin-Fy	qmin-Fy	qmin-Fy	qmin-Fy	max	disposta	Ns,max	Mu,max										
				Mx	8.70	4.88	37.83	129.63	-101.16	91.40	238.92	238.92	0.00	0.00	0.00	3.58	0.00	3.58	12.56	983.0	353.86									
				My	13.14	7.48	-15.00	-0.78	-0.35	-0.59	15.35	-1.37	-15.76	-5.98	23.24	-8.28	1.50	13.46												
				Vx	5.92	3.33	27.04	91.49	9.80	16.53	36.83	106.02	69.24	119.07	72.56	-65.91	122.39	-115.74												
				Vy	10.75	6.12	10.60	0.51	-0.27	-0.46	10.87	0.97	11.16	4.23	17.28	-5.05	10.35	1.88												
				N	-1108.55	-646.34	17.90	202.33	23.35	39.40	41.25	241.73	113.77	254.10	-548.17	-775.70	-407.84	-916.04												
	verificato		verifica	0.016																										
	filo	inf	qmax	qmin	Fx	Fy	qmin-Fx	qmin-Fy	Ger. Res.	qmax-Fx	qmin-Fy	qmin-Fy	qmin-Fy	qmin-Fy	qmin-Fy	max	disposta	Ns,max	Mu,max											
			Mx	-6.70	-3.78	-32.93	-108.95	-12.35	-20.83	-45.28	-129.79	-84.21	-143.37	-87.98	80.44	-147.14	139.60													
			My	-14.81	-8.43	-12.66	-0.88	0.35	0.60	-13.02	-1.48	-13.46	-5.38	-21.89	5.03	-13.81	-3.04													
			Vx	5.92	3.33	27.04	91.49	9.80	16.53	36.83	106.02	69.24	119.07	72.56	-65.91	122.39	-115.74													
			Vy	10.75	6.12	10.60	0.51	-0.27	-0.46	10.87	0.97	11.16	4.23	17.28	-5.05	10.35	1.88													
			N	-1128.83	-661.94	17.90	202.33	23.35	39.40	-41.25	-241.73	-113.77	-254.10	-548.17	-775.70	-407.84	-916.04													
	verificato		verifica	0.019																										

Inserire i valori per la gerarchia delle resistenze												
Gerarchia delle resistenze				γ Rd		1.1						
				CD	B					Mx	My	
direzione x				direzione y		rip				—	—	
Impalcato	5	± Mtra	59.6	± Mtra	252.0	sup	0.31	ordine	6	sup	85.92	20.32
						inf	0.69			inf	191.23	45.23
Impalcato	4	± Mtra	59.7	± Mtra	292.8	sup	0.41	ordine	5	sup	132.04	26.90
						inf	0.59		4	sup	190.00	38.71
Impalcato	3	± Mtra	59.7	± Mtra	472.4	sup	0.45	ordine	3	sup	233.84	29.53
						inf	0.55			sup	285.61	36.09
Impalcato	2	± Mtra	59.7	± Mtra	548.7	sup	0.47	ordine	2	sup	233.70	30.84
						inf	0.53			sup	319.92	34.78
Impalcato	1	± Mtra	59.7	± Mtra	597.3	sup	0.48	ordine	1	inf	315.35	31.50
						inf	0.52			sup	341.63	34.12
										inf	—	—
piano		direzione x			direzione y							
		sin	des	somma M	sin	des	somma M					
5	M _{ru}	0.00	46.76	59.59	125.98	85.03	251.95					
	M _{ru}	0.00	59.59		125.98	125.97						
4	M _{ru}	0.00	59.65	59.65	195.78	125.98	292.76					
	M _{ru}	0.00	59.65		125.98	125.98						
3	M _{ru}	0.00	59.65	59.65	274.11	198.30	472.41					
	M _{ru}	0.00	59.65		198.33	198.30						
2	M _{ru}	0.00	59.65	59.65	274.37	274.37	548.75					
	M _{ru}	0.00	59.65		274.37	274.37						
1	M _{ru}	0.00	59.65	59.65	274.44	274.37	597.26					
	M _{ru}	0.00	59.65		322.88	274.37						

[illegible]

pilastro ordine 3	asse sup	filo sup	sezione	I x y c	80 30 4	cm cm cm	dimensione parallela all'asse x dimensione parallela all'asse y copriferro di calcolo	filo sup h pl	30 0 320	cm cm cm	distanza filo trave sup - asse trave (eventualmente ridotta di 5 cm) distanza filo trave inf - asse trave (al piede primo ordine 0) altezza pilastro (da asse a asse)	inizio	17	N _{max} M _{0,max} M _{0,y,max}	3400.0 122.4 326.4	kN kNm kNm	Mx My Vx Vy N	qmax	qmin	Fx	Fy	MPx	MPy	p.p. d	p.p. k	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristico)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
																		Mx	11.97	5.85	13.84	74.32	4.80	8.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

[illegible]

Inserire i valori per la gerarchia delle resistenze										
Gerarchia delle resistenze										
		CD	B	γ Rd	1.1				Mx	My
		direzione x		direzione y		rip			---	---
Impalcato	5	Σ Mtra	126.0	Σ Mtra	211.0	sup	ordine	6	inf 71.95	42.98
						inf			sup 160.15	95.62
Impalcato	4	Σ Mtra	166.8	Σ Mtra	252.0	sup	ordine	5	inf 113.64	75.25
						inf			sup 163.53	109.28
Impalcato	3	Σ Mtra	231.8	Σ Mtra	396.5	sup	ordine	4	inf 196.28	114.73
						inf			sup 239.90	143.23
Impalcato	2	Σ Mtra	274.4	Σ Mtra	396.5	sup	ordine	3	inf 205.01	141.85
						inf			sup 231.18	159.96
Impalcato	1	Σ Mtra	274.4	Σ Mtra	396.5	sup	ordine	2	inf 209.37	144.87
						inf			sup 226.82	156.94
									inf ---	---
piano		sin	direzione x		direzione y					
		des	somma M	sin	des	somma M				
5	M _{ru}	125.98	0.00	125.98	85.03	85.03				
	M _{ru}	125.98	0.00		125.97	125.97				
4	M _{ru}	166.84	0.00	166.84	125.98	125.98				251.96
	M _{ru}	166.84	0.00		125.98	125.98				
3	M _{ru}	231.78	0.00	231.78	198.30	149.57				396.53
	M _{ru}	231.78	0.00		198.30	198.23				
2	M _{ru}	274.37	0.00	274.37	198.30	149.57				396.53
	M _{ru}	274.37	0.00		198.30	198.23				
1	M _{ru}	274.37	0.00	274.37	198.30	149.57				396.53
	M _{ru}	274.37	0.00		198.30	198.23				

			calcestruzzo			C25/30			acciaio			B450/C			fyd			14.17 MPa			fne x			721					
			telaio in direzione x			6									fyd			391.30 MPa			inizio y			722					
28	650	6	Msup	-32.45	-18.16	11.03	3.46	-0.98	-1.66	28	1178	6	Msup	28.65	15.11	0.66	17.87	0.09	0.16	28									
	651	6	Minf	34.47	20.60	3.58	-11.80	0.65	1.09		1179	6	Minf	-29.38	-16.42	-0.76	-25.00	-0.04	-0.06										
	652	6	V	-44.61	-25.84	8.48	9.98	-1.09	-1.83		1180	6	V	38.68	21.02	0.93	28.64	0.09	0.14										
	653	6	N	-49.37	-40.17	-41.73	-4.73	3.34	5.63		1181	6	N	-47.68	-24.58	-0.39	-10.65	-0.05	-0.08	6	N	-117.354	-45.451	-41.758	-15.574	3.285	5.544		
	654	5	Msup	-20.93	-14.29	80.11	6.91	-4.05	-10.21		1182	5	Msup	13.68	8.13	3.90	1.84	0.09	1.84										
	655	5	Minf	25.51	16.49	-40.64	-6.01	3.07	5.19		1183	5	Minf	-14.99	-8.80	-3.62	-40.36	-1.00	-1.68										
	656	5	V	-14.51	-9.62	37.50	3.76	2.85	-4.81		1184	5	V	8.96	5.29	2.35	25.69	-0.65	1.10										
	657	5	N	-126.35	-78.65	-13.51	2.24	8.00	1.35		1185	5	N	-117.38	-65.17	-3.33	-55.22	-0.80	-1.35	5	N	-245.729	-143.824	-16.837	-52.98	0.002	0.003		
	658	4	Msup	-26.67	-16.99	97.26	11.29	-7.74	-13.05		1186	4	Msup	14.78	8.66	5.69	62.43	1.66	2.80										
	659	4	Minf	25.52	16.34	-96.32	-11.86	7.48	12.59		1187	4	Minf	-13.72	-8.08	-5.93	-65.21	-1.72	-2.90										
	660	4	V	-16.31	-10.41	60.23	2.19	-4.75	-8.01		1188	4	V	8.91	5.23	3.63	39.88	1.00	1.78										
	661	4	N	-186.51	-116.11	-44.57	7.75	-3.51	-5.92		1189	4	N	-180.07	-102.14	-9.76	-128.22	-2.65	-4.47										
	662	3	Msup	-20.97	-12.11	82.73	9.90	-6.00	-8.56		1190	3	Msup	14.02	8.28	5.03	78.17	1.12	3.58	1	N	-366.581	-218.247	34.808	-118.472	-6.159	-10.391		
	663	3	Minf	29.72	19.15	-106.85	-13.04	8.69	14.67		1191	3	Minf	-13.05	-7.72	-7.10	-78.22	-1.42	-3.58										
	664	3	V	-19.43	-12.54	70.99	8.28	-5.78	-9.76		1192	3	V	8.48	5.00	4.44	48.93	1.33	2.24										
	665	3	N	-248.63	-156.42	126.66	17.08	-10.28	-17.35		1193	3	N	-243.58	-139.93	-19.22	-230.16	-4.99	-9.27	3	N	-492.268	-296.347	107.447	-213.079	-15.777	-26.62		
	666	2	Msup	-26.07	-18.13	136.95	14.04	-10.64	-17.95		1194	2	Msup	11.92	7.07	6.84	92.22	2.54	4.28										
	667	2	Minf	31.98	20.61	-127.44	-18.03	10.64	17.96		1195	2	Minf	-11.03	-6.56	-8.95	-												

posizione	asse	sup	qmax	qmin	Fx	Fy	MPx	MPy	p.p. d	p.p. k	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristico)													
	asse	inf	Mx	14.02	8.28	7.10	78.17	2.12	3.58															
			My	-32.44	-20.97	121.73	13.65	-9.82	-16.56															
			Vx	8.46	5.00	4.44	48.93	1.33	2.24															
			Vy	-19.43	-12.54	70.99	8.28	-5.78	-9.76															
			N	-492.27	-296.35	107.45	-213.08	-15.78	-26.62	-60.84	-46.80													
						qmax	qmin	Fx	Fy	MPx	MPy													
	filo	sup	Mx	11.48	6.78	5.77	63.49	1.72	2.91	7.49	66.39	27.41	66.64	34.19	-20.64	75.42	-61.87							
			My	-26.02	-17.21	100.30	11.15	-8.08	-13.63	108.38	24.78	115.82	57.30	58.61	-133.03	40.09	-74.51							
			Vx	8.46	5.00	4.44	48.93	1.33	2.24	5.77	51.17	21.12	52.90	26.11	-16.12	57.89	-47.90							
			Vy	-19.43	-12.54	70.99	8.28	-5.78	-9.76	76.78	18.04	82.19	41.07	69.65	-94.72	26.54	-53.61							
			N	-553.11	-343.15	107.45	-213.08	-15.78	-26.62	123.22	-239.70	195.13	-276.67	-148.01	-538.28	-619.81	-66.48							
						qmax	qmin	Fx	Fy	MPx	MPy	sima x	sima y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy					
	filo	inf	Mx	-10.52	-6.22	-5.77	-63.74	-1.72	-2.91	-7.49	-66.64	-27.49	-68.89	-33.70	21.27	-75.11	62.68							
			My	23.89	15.39	-85.42	-10.53	6.64	11.74	-92.37	-22.28	-99.06	-49.99	-83.67	114.44	-34.60	65.37							
			Vx	8.46	5.00	4.44	48.93	1.33	2.24	5.77	51.17	21.12	52.90	26.11	-16.12	57.89	-47.90							
			Vy	-19.43	-12.54	70.99	8.28	-5.78	-9.76	76.78	18.04	82.19	41.07	69.65	-94.72	26.54	-53.61							
			N	-573.39	-358.75	107.45	-213.08	-15.78	-26.62	123.22	-239.70	195.13	-276.67	-163.61	-553.88	-635.41	-62.08							
						qmax	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	Gar. Res.	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	As,x,nec	qmax	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	max	disposta	Ns,max
pilastro	28	filo	sup	Mx	11.48	34.19	-20.64	75.42	-61.87	119.87	35.99	35.99	119.87	119.87	As,x,nec	0.00	1.72	0.00	5.19	12.80	12.80	15.70	1228.7	135.16
				My	-26.02	98.61	-133.03	40.09	-74.51	166.00	166.00	49.80	74.51	-49.80	As,y,nec	0.00	3.89	0.00	0.00	1.72	3.89	12.56	983.0	353.86
				N	-553.1	-148.0	-538.3	-619.8	-66.5															
				MRd,x(N)	210.10																			
				MRd,y(N)	539.03																			
				verificato	0.024																			
	filo	inf	Mx	-10.52	-33.70	21.27	-75.11	62.68	102.52	33.70	30.76	102.52	102.52	As,x,nec	0.00	1.21	0.00	2.99	10.51	10.51	15.70	1228.7	135.16	
			My	23.89	-83.67	114.44	-34.60	65.37	141.85	141.85	42.56	65.37	-42.56	As,y,nec	0.00	2.83	0.00	0.00	1.18	2.83	12.56	983.0	353.86	
			N	-573.4	-163.6	-553.9	-635.4	-62.1																
			MRd,x(N)	211.64																				
			MRd,y(N)	543.71																				
			verificato	0.020																				

ordine	28	sezione	l x y	80 cm 30 cm 4	dimensione parallela all'asse x dimensione parallela all'asse y copriferio di calcolo				filo sup filo inf h pl	30 cm 30 cm 320	distanza filo trave sup - asse trave (eventualmente ridotta di 5 cm) distanza filo trave inf - asse trave (al piede primo ordine 0) altezza pilastro (da asse a asse)	inizio	17	Nc,max Mc,max Mcy,max	3400.0 kN 122.4 kNm 326.4 kNm	
posizione	asse	sup	qmax qmin Fx Fy MPx MPy p.p. d p.p. k	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	
		Mx	11.92	7.07	8.64	92.22	2.54	4.28								
		My	-26.07	-18.13	136.95	14.04	-10.64	-17.95								
		Vx	7.17	4.26	5.50	58.75	1.62	2.73								
		Vy	-18.77	-12.11	82.41	9.90	-6.65	-11.22								
		N	-615.69	-373.11	189.84	-326.46	-26.92	-45.41	-81.12	-62.40	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristico)					
asse	inf	qmax qmin Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	
		Mx	-11.03	-6.56	-8.95	-95.78	-2.63	-4.44								
		My	31.98	20.61	-127.44	-18.03	10.64	17.96								
		Vx	7.17	4.26	5.50	58.75	1.62	2.73								
		Vy	-18.77	-12.11	82.41	9.90	-6.65	-11.22								
		N	-615.69	-373.11	189.84	-326.46	-26.92	-45.41	-101.40	-78.00	96					
filo	sup	qmax qmin Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	
		Mx	9.77	5.79	6.99	74.60	2.05	3.47	9.04	78.06	32.46	80.78	38.25	-26.67	86.57	-74.99
		My	-22.44	-14.50	112.16	11.04	-8.64	-14.58	120.81	25.62	128.49	61.86	113.99	-142.99	47.36	-76.36
		Vx	7.17	4.26	5.50	58.75	1.62	2.73	7.11	61.48	25.55	63.61	29.81	-21.29	67.87	-59.35
		Vy	-18.77	-12.11	82.41	9.90	-6.65	-11.22	89.06	21.12	95.40	47.84	83.29	-107.50	35.73	-59.94
		N	-696.81	-435.51	189.84	-326.46	-26.92	-45.41	216.76	-371.88	328.32	-436.90	-107.19	-763.82	-872.41	1.40
filo	inf	qmax qmin Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	
		Mx	-7.83	-5.28	-7.35	-78.15	-2.15	-3.62	-9.44	-81.77	-33.98	-84.61	-39.26	26.69	-89.89	79.33
		My	26.35	16.98	-102.65	-15.02	8.65	14.59	-111.30	-29.62	-120.18	-63.00	-103.21	137.16	-46.03	79.98
		Vx	7.17	4.26	5.50	58.75	1.62	2.73	7.11	61.48	25.55	63.61	29.81	-21.29	67.87	-59.35
		Vy	-18.77	-12.11	82.41	9.90	-6.65	-11.22	89.06	21.12	95.40	47.84	83.29	-107.50	35.73	-59.94
		N	-717.09	-451.11	189.84	-326.46	-26.92	-45.41	216.76	-371.88	328.32	-436.90	-122.79	-779.42	-888.01	-14.20
pilastro	28	ordine	2	filo	sup	qmax qmin Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy
		Mx				9.77	38.25	-26.67	86.57	-74.99	115.61	38.25	34.68	115.61	115.61	As,x,nec
		My				-22.44	113.99	-142.99	47.36	-76.36	159.96	159.96	47.36	-76.36	-47.36	As,y,nec
		N				-696.8	-107.2	-763.8	-872.4	1.4		171.08	225.00	231.74	160.12	
		MRd,x(N)				220.52						419.22	584.25	604.53	385.30	
		MRd,y(N)				570.69						0.341	0.204	0.375	0.702	
		verifica				0.017						0.341	0.204	0.375	0.702	
filo	inf	qmax qmin Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	qmin qmax Fx Fy MPx MPy	
		Mx				-8.88	-39.26	26.69	-89.89	79.33	104.70	39.26	31.41	104.70	104.70	As,x,nec
		My				26.35	-103.21	137.16	-46.03	79.98	184.85	184.85	55.45	79.98	-46.03	As,y,nec
		N				-717.1	-451.1	189.84	-326.46	-26.92	-45.41	216.76	-371.88	328.32	-436.90	
		MRd,x(N)				220.52						419.22	584.25	604.53	385.30	
		MRd,y(N)				574.88						429.94	587.29	607.27	390.20	
		verifica				0.018						0.396	0.228	0.330	0.614	
verificato																

[illegible]

asse	sup	Mx	13.89	8.15	18.86	63.77	6.83	11.52																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</
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pilastro da esaminare			1	testati in direzione x			6	calcestruzzo C25/30 B450C			fod fyd	14.17 MPa	fine x inizio y			721										
pilastro ordine			1	sezione	l x ly	30 cm 40 cm	dimensione parallela all'asse x dimensione parallela all'asse y	flo sup flo inf h pl	30 cm 150 cm	30 cm 150 cm	distanza filo trave sup - asse trave (eventualmente ridotta di 5 cm)	inizio	1	Nc,max Mox,max Moy,max	2975.0 kN 249.9 kNn 107.1 kNn											
1	2	6	Msup	-79.13	-42.28	17.40	-2.41	0.83	1.41	1	722	6	Msup	-36.95	-23.83	-4.43	19.32	-1.96	-3.31	1						
	3	6	Minf	86.82	50.09	-28.42	4.30	-1.28	-2.15	6	723	6	Minf	26.77	16.80	-5.88	-25.83	1.87	3.15							
	4	6	V	-110.63	-61.58	29.21	-4.47	1.41	2.37	724	6	V	-42.49	-27.09	-5.92	30.02	-2.55	-4.31								
	5	6	N	-87.56	-45.89	6.33	-0.88	0.30	0.51	725	6	N	-78.01	-49.26	14.38	-51.80	5.90	9.96	6	N	-163.563	-95.144	20.703	-52.686	6.207	10.473
	6	5	Msup	-56.39	-34.03	45.07	-3.09	2.10	3.54	726	5	Msup	-21.67	-14.19	-29.40	94.00	-10.93	-18.45								
	7	5	Minf	61.09	36.51	-41.21	3.11	-1.92	-3.24	727	5	Minf	23.07	14.82	15.78	-55.77	6.85	9.87								
	8	5	V	-36.72	-22.05	26.96	-1.93	1.26	2.12	728	5	V	-13.98	-9.07	-14.02	46.46	-5.24	-8.85								
	9	5	N	-263.90	-150.23	34.16	-3.62	1.62	2.73	729	5	N	-132.59	-85.70	4.23	-13.97	1.08	1.81	5	N	-396.489	-235.923	38.388	-17.592	2.693	4.544
	10	4	Msup	-61.54	-36.52	61.99	-4.07	2.88	4.86	730	4	Msup	-24.42	-15.79	-34.71	126.63	-14.16	-23.89								
	11	4	Minf	57.55	34.26	-65.35	4.35	-3.04	-5.12	731	4	Minf	22.82	14.77	35.15	-126.93	13.84	23.36								
	12	4	V	-37.21	-22.12	39.79	-2.63	1.85	3.12	732	4	V	-14.77	-9.55	-21.73	78.84	-8.75	-14.77								
	13	4	N	-434.68	-251.53	74.77	-6.35	3.52	5.93	733	4	N	-188.94	-122.06	-17.37	65.81	-6.89	-11.63	4	N	-623.621	-373.589	57.399	59.462	-3.374	-5.694
	14	3	Msup	-59.00	-35.25	76.08	-4.87	3.56	6.00	734	3	Msup	-29.08	-16.92	-43.32	157.98	-17.78	-30.00								
	15	3	Minf	57.32	34.23	-74.57	4.84	-3.49	-5.89	735	3	Minf	26.57	17.28	38.73	-140.89	15.91	26.84								
	16	3	V	-36.35	-21.71	41.08	-1.93	2.20	3.72	736	3	V	-17.39	-11.31	-26.47	92.76	-10.53	-17.76								
	17	3	N	-607.41	-354.40	132.21	-9.99	6.23	10.51	737	3	N	-248.90	-161.06	-46.82	172.38	-19.27	-32.52	3	N	-856.308	-515.456	85.397	162.395	-13.043	-22.008
	18	2	Msup	-56.63	-33.79	84.41	-4.97	3.88	6.54	738	2	Msup	-24.73	-16.02	-47.94	174.23	-19.23	-32.45								
	19	2	Minf	58.32	34.77	-86.31	5.17	-3.98	-6.71	739	2	Minf	27.68	17.95	46.29	-171.34	15.47	32.84								
	20	2	V	-35.92	-21.42	53.35	-3.17	2.45	4.14	740	2	V	-16.38	-10.62	-29.34	107.69	-12.09	-20.40								
	21	2	N	-778.08	-456.06	196.28	-13.84	9.26	15.63	741	2	N	-308.35	-199.73	-79.99	292.73	-33.19	-56.00	2	N	-1086.43	-655.788	116.289	278.889	-23.928	-40.374
	22	1	Msup	-33.76	-20.12	61.74	-3.10	2.75	4.64	742	1	Msup	-16.83	-10.93	-42.12	143.45	-15.44	-26.05								
	23	1	Minf	17.85	10.84	-72.23	3.64	-3.23	-5.45	743	1	Minf	8.40	5.37	106.59	-375.21	41.36	69.78								
	24	1	V	-13.95	-8.31	36.21	-1.82	1.62	2.73	744	1	V	-6.82	-4.41	-10.51	140.11	-15.35	-25.90								
	25	1	N	-941.86	-553.56	257.15	-16.88	12.10	20.41	745	1	N	-365.26	-236.75	-113.40	412.46	-46.85	-79.04	1	N	-1307.13	-790.304	143.753	395.579	-34.751	-58.634
posizione			asse	sup	Mx	qmax	qmin	Fx	Fy	MPa)	M(Fy)	p.p. d	p.p. k	Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristico)												
	asse	inf	Mx	qmax	qmin	Fx	Fy	MPa)	M(Fy)	p.p. d	p.p. k															
			My	-79.13	-42.28	17.40	-2.41	0.83	1.41																	
			Vx	-42.49	-27.09	-5.92	30.02	-2.55	-4.31																	
			Vy	-110.63	-61.58	29.21	-4.47	1.41	2.37																	
			N	-163.56	-95.14	20.70	-52.69	6.21	10.47	0.00	0.00															
			Mx	qmax	qmin	Fx	Fy	MPa)	M(Fy)																	
			My	26.77	16.80	-5.88	-25.83	1.87	3.15																	
			Vx	86.82	50.09	-28.42	4.30	-1.28	-2.15																	
			Vy	-42.49	-27.09	-5.92	30.02	-2.55	-4.31																	
			Vy	-110.63	-61.58	29.21	-4.47	1.41	2.37																	
			N	-163.56	-95.14	20.70	-52.69	6.21	10.47	-5.27	-4.05															
	filo	sup	Mx	qmax	qmin	Fx	Fy	MPa)	M(Fy)	sigma x	sigma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy									
			My	-24.21	-15.70	-4.72	10.29	-1.19	-2.01	-5.51	12.31	-6.51	14.08	-25.31	-6.10	-1.62	-29.78									
			Vx	-45.94	-23.81	-1.64	-1.07	0.41	0.69	-1.76	9.98	-4.47	14.23	-33.38	28.28	-19.33										
			Vy	-42.49	-27.09	-5.92	30.02	-2.55	-4.31	-8.47	34.32	-18.77	36.87	-45.86	-8.31	9.78	-63.95									
			N	-110.63	-61.58	29.21	-4.47	1.41	2.37	30.62	-6.84	32.67	-16.03	-28.91	-94.25	77.61	-45.56									
			N	-163.56	-95.14	20.70	-52.69	6.21	10.47	26.91	-63.16	45.86	-71.23	-49.29	-141.00	-166.38	-23.91									
	filo	inf	Mx	qmax	qmin	Fx	Fy	MPa)	M(Fy)	sigma x	sigma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy									
			My	14.03	8.67	-5.59	-16.80	1.10	1.96	-6.70	-18.66	-12.29	-20.67	-3.62	20.97	-12.00	29.34									
			Vx	53.63	31.62	-17.65	2.96	-0.85	-1.44	-18.51	4.40	-19.83	9.85	11.79	51.45	-41.57	21.67									
			Vy	-42.49	-27.09	-5.92	30.02	-2.55	-4.31	-8.47	34.32	-18.77	36.87	-45.86	-8.31	9.78	-63.95									
			N	-110.63	-61.58	29.21	-4.47	1.41	2.37	30.62	-6.84	32.67	-16.03	-28.91	-94.25	77.61	-45.56									
			N	-168.83	-99.19	20.70	-52.69	6.21	10.47	26.91	-63.16	45.86	-71.23	-53.34	-145.05	-170.43	-27.96									
pilastro 1 ordine 6	filo	sup	Mx	qmax	qmin	Fx	Fy	MPa)	M(Fy)	sigma x	sigma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	max	disposta	Ns,max	Ms,max					
			My	-24.21	-25.31	-6.10	-1.62	-29.78	---	25.31	6.10	1.62	29.78	As,x,nec	0.00	0.53	0.00	0.00	1.11	1.11	9.42	737.2	191.68			
			Vx	-45.94	-23.81	-1.64	-1.07	0.41	0.69	14.23	33.38	28.28	19.33	As,y,nec	0.00	0.81	1.56	0.58	1.83	1.83	9.36	732.5	80.58			
			Vy	-163.5	-95.14	20.70	-52.69	6.21	10.47	224.24	244.54	249.93	218.40													
			N	114.32	114.32	114.32	114.32	114.32	114.32	102.74	112.11	114.60	100.05													
			verifica	0.285						0.089	0.166	0.123	0.135													
	filo	inf	Mx	qmax	qmin	Fx	Fy	MPa)	M(Fy)	sigma x	sigma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	max	disposta	Ns,max	Ms,max					
			My	14.03	8.67	-5.59	-12.00	29.34	54.06	18.22	20.97	54.06	54.06	As,x,nec	0.00	0.03	0.00	0.32	2.25	2.25	9.42	737.2	191.68			
			Vx	53.63	31.62	-17.65	41.57	21.67	63.35	63.35	41.57	21.67	63.35	63.35	As,y,nec	0.00	3.49	8.45	4.98	2.07	2.04	6.45	9.36	732.5	80.58	
verificato	filo	sup	Mx	qmax	qmin	Fx	Fy	MPa)	M(Fy)	sigma x	sigma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	max	disposta	Ns,max	Ms,max					
			My	-24.21	-25.31	-6.10	-1.62	-29.78	---	25.31	6.10	1.62	29.78	As,x,nec	0.00	0.53	0.00	0.00	1.11	1.11	9.42	737.2	191.68			
			Vx	-45.94	-23.81	-1.64	-1.07	0.41	0.69	14.23	33.38	28.28	19.33	As,y,nec	0.00	0.81	1.56	0.58	1.83	1.83	9.36	732.5	80.58			
			Vy	-163.5	-95.14	20.70	-52.69	6.21	10.47	224.24	244.54	249.93	218.40													
			N	114.32	114.32	114.32	114.32	114.32	114.32	102.74	112.11	114.60	100.05													
			verifica	0.285						0.089	0.166	0.123	0.135													
	filo	inf	Mx	qmax	qmin	Fx	Fy	MPa)	M(Fy)	sigma x	sigma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	max	disposta	Ns,max	Ms,max					
			My	14.03	8.67	-5.59	-12.00	29.34	54.06	18.22	20.97	54.06	54.06	As,x,nec	0.00	0.03	0.00	0.32	2.25	2.25	9.42	737.2	191.68			
			Vx	53.63	31.62	-17.65	41.57	21.67	63.35	63.35	41.57	21.67	63.35	63.35	As,y,nec	0.00	3.49	8.45	4.98	2.07	2.04	6.45	9.36	732.5	80.58	
verificato	filo	sup	Mx	qmax	qmin	Fx	Fy	MPa)	M(Fy)	sigma x	sigma y	x + 0.3 y	y + 0.3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	max	disposta	Ns,max	Ms,max					
			My	-24.21	-25.31	-6.10	-1.62	-29.78	---	25.31	6.10	1.62	29.78	As,x,nec	0.00	0.53	0.00	0.00	1.11	1.11	9.42	737.2	191.68			
			Vx	-45.94	-23.81	-1.64	-1.07	0.41	0.69	14.23	33.38	28.28	19.33	As,y,nec	0.00	0.81	1.56	0.58	1.83	1.83	9.36	732.5	80.58			
			Vy	-163.5	-95.14	20.70	-52.69	6.21	10.47	224.24	244.54	249.93	218.40													
			N	114.32	114.32	114.32	114.32	114.32	114.32	102.74	112.11	114.60	100.05													
			verifica	0.285						0.089	0.166	0.123	0.135													

[illegible][illegible][illegible]

pilastro ordine	2 4	sezione	l x y c	70 30 4	cm cm	dimensione parallela all'asse x dimensione parallela all'asse y coperto di calcolo						fio sup fio inf h pl	30 30 320	cm cm	distanza fio trave sup - asse trave (eventualmente ridotta di 5 cm) distanza fio trave inf - asse trave (al piede primo ordine 0)		inizio	9	Nc,max Mox,max	2975,0 107,1 245,9	kN kNm			
posizione	asse	sup	Mx	qmax	Fx	Fy	M(Fx)	M(Fy)	p.p.d	p.p.k	Le forze nemesi è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristici)													
			My	-14,72	-8,35	-4,47	23,28	-1,88	-1,16	-3,16														
			Vx	33,44	18,49	176,11	-11,35	8,13	13,72															
			Vy	-8,95	-5,09	-2,63	13,60	-1,09	-1,84															
			N	19,49	10,79	111,26	-7,32	5,13	8,65															
	asse	inf	N	-887,16	-518,21	46,93	12,37	0,94	1,59	-35,49	-27,30													
			qmax	qmin	Fx	Fy	M(Fx)	M(Fy)																
			Mx	13,93	7,92	4,00	-20,47	1,62	2,73															
			My	-28,91	-16,04	-180,36	12,12	-8,28	-13,96															
			Vx	-8,95	-5,09	-2,63	13,60	-1,09	-1,84															
fio	sup	Vy	19,49	10,79	111,26	-7,32	5,13	8,65																
		N	-887,16	-518,21	46,93	12,37	0,94	1,59	-53,24	-40,95														
		qmax	qmin	Fx	Fy	M(Fx)	M(Fy)	sigma x	sigma y	x + 0,3 y	y + 0,3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy									
		Mx	-12,03	-6,82	-3,67	19,16	-1,55	-2,61	-5,22	21,77	-11,75	23,34	-18,58	4,93	16,52	-30,16								
		My	27,59	15,25	142,69	-9,15	6,59	11,13	149,28	-20,27	155,37	-65,06	170,62	-140,11	-49,81	80,31								
	fio	inf	Vx	-8,95	-5,09	-2,63	13,60	-1,09	-1,84	-3,72	15,44	-4,36	16,56	-13,44	3,27	11,47	-21,64							
			Vy	19,49	10,79	111,26	-7,32	5,13	8,65	116,39	-15,97	121,18	-50,88	131,97	-110,39	-40,09	61,67							
			N	-822,65	-545,51	46,93	12,37	0,94	1,59	47,87	13,95	52,05	28,31	-493,46	-597,56	-517,20	-274,82							
			qmax	qmin	Fx	Fy	M(Fx)	M(Fy)	sigma x	sigma y	x + 0,3 y	y + 0,3 x	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy								
			Mx	11,25	6,40	3,21	-16,37	1,29	2,18	4,50	-18,55	10,06	-19,89	16,46	-3,66	-13,50	26,29							
pilastro 2 ordine 4	fio	sup	My	-23,07	-12,80	-146,94	9,92	-6,74	-11,37	-153,68	21,28	-160,06	67,39	-172,87	147,26	54,58	-80,19							
			Vx	-8,95	-5,09	-2,63	13,60	-1,09	-1,84	-3,72	15,44	-4,36	16,56	-13,44	3,27	11,47	-21,64							
			Vy	19,49	10,79	111,26	-7,32	5,13	8,65	116,39	-15,97	121,18	-50,88	131,97	-110,39	-40,09	61,67							
			N	-940,40	-559,16	46,93	12,37	0,94	1,59	47,87	13,95	52,05	28,31	-507,11	-611,21	-530,85	-587,47							
			qmax	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	Ger. Res.	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	max	disposta	Ns,max	Ms,max				
	fio	inf	Mx	-12,03	-18,58	4,93	16,52	-30,16	38,71	18,58	11,61	38,71	38,71	As,x,nec	0,00	0,00	0,00	0,00	0,00	12,56	983,0	116,1		
			My	27,59	17,82	-140,11	-49,81	80,31	208,10	208,10	62,43	80,31	As,x,nec	0,00	0,00	2,69	1,76	0,00	0,00	0,00	2,69	9,42	737,2	228,54
			N	-922,7	-493,5	-597,6	-517,2	-573,8	-493,46	-597,56	-517,20	-573,82												
			MRdxi(N)	201,29	174,31	181,95	176,11	180,27																
			MRdyi(N)	443,64	373,12	393,31	377,89	388,87																
verificato	fio	inf	verifica	0,030	0,451	0,401	0,170	0,193																
			qmax	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	Ger. Res.	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	qmin + Fx	qmin - Fx	qmin + Fy	qmin - Fy	max	disposta	Ns,max	Ms,max				
			Mx	11,25	16,46	-3,66	-13,50	26,29	29,53	16,46	8,86	29,53	29,53	As,x,nec	0,00	0,00	0,00	0,00	0,00	0,00	12,56	983,0	116,1	
			My	-23,07	-172,87	-147,26	54,58	-80,19	29,53	271,50	271,50	81,45	81,45	As,x,nec	0,00	0,00	0,00	0,00	0,00	0,00	5,17	9,42	737,2	228,54
			N	-940,4	-507,1	-611,2	-530,9	-587,5	-507,11	-611,21	-530,85	-587,47												
verificato	fio	inf	MRdxi(N)	202,13	175,35	182,90	177,13	181,24																
			MRdyi(N)	445,81	375,88	395,81	380,99	391,43																
			verifica	0,025	0,643	0,579	0,167	0,161																

pilastro 2 ordine 3	asse	sup		q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	p.p. d	p.p. k																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			Mx	-14.34	-8.19	-3.43	17.88	-1.43	2.41																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			My	36.46	20.25	244.21	-15.56	11.40	19.23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			Vx	-8.79	-5.02	-2.07	10.78	-0.88	-1.48																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			Vy	21.60	12.00	145.35	-9.44	6.81	11.49			Lo sforzo normale è calcolato automaticamente pensando che il pilastro sia uguale a tutti i piani Se così non è, inserire manualmente il valore (caratteristico)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			N	-1234.67	-728.50	103.42	23.13	2.56	4.32	-60.84	-46.80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
				q _{max}	q _{min}	F _x	F _y	MP _x	MP _y																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			Mx	13.79	7.87	3.28	-16.92	1.38	2.32																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			My	-32.66	-18.15	-221.58	14.70	-10.40	-17.54																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			Vx	-8.79	-5.02	-2.07	10.78	-0.88	-1.48																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			Vy	21.60	12.00	145.35	-9.44	6.81	11.49																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			N	-1234.67	-728.50	103.42	23.13	2.56	4.32	-81.12	-62.40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
pilastro 2 ordine 3	filo	sup		q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	sigma x	sigma y	x + 0.3 y	y + 0.3 x	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			Mx	-11.70	-6.68	-2.80	14.71	-1.16	-1.96	-3.96	16.68	-8.96	17.86	-15.65	2.28	11.18	-24.55																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			My	29.98	16.65	200.55	-12.72	9.35	15.78	209.90	-28.51	218.45	-91.48	235.10	-201.80	-74.83	108.12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			Vx	-8.79	-5.02	-2.07	10.78	-0.88	-1.48	-2.95	12.26	-6.62	13.14	-11.64	1.61	8.12	-18.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			Vy	21.60	12.00	145.35	-9.44	6.81	11.49	152.16	-20.93	158.44	-66.58	170.44	-146.44	-54.58	78.58																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			N	-1295.51	-775.30	103.42	23.13	2.56	4.32	105.98	27.45	114.22	59.25	-661.09	-889.52	-716.06	-834.55																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				q _{max}	q _{min}	F _x	F _y	MP _x	MP _y	sigma x	sigma y	x + 0.3 y	y + 0.3 x	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			Mx	11.15	6.37	2.65	-13.65	1.11	1.88	3.76	-15.53	8.42	-16.66	14.79	-2.05	-10.29	23.02																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			My	-26.18	-14.55	-177.51	11.87	-8.35	-14.10	-186.26	25.96	-194.05	81.84	-208.60	179.50	67.29	-96.39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			Vx	-8.79	-5.02	-2.07	10.78	-0.88	-1.48	-2.95	12.26	-6.62	13.14	-11.64	1.61	8.12	-18.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			Vy	21.60	12.00	145.35	-9.44	6.81	11.49	152.16	-20.93	158.44	-66.58	170.44	-146.44	-54.58	78.58																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			N	-1315.79	-790.90	103.42	23.13	2.56	4.32	105.98	27.45	114.22	59.25	-676.69	-905.12	-731.66	-850.15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
pilastro 2 ordine 3	filo	sup		q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	Car. Res.	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	max	disposta	Ns,max	Ms,max																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			Mx	-11.70	-15.65	22.88	11.18	-24.55	36.09	15.65	10.83	36.09	36.09	As _{x,nec}	0.00	0.00	0.00	0.00	0.00	12.56	983.0	108.13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			My	29.98	235.10	-201.80	-74.83	108.12	331.83	331.83	99.55	108.12	As _{y,nec}	0.00	4.29	2.59	0.00	0.00	0.00	4.29	12.56	983.0	353.86																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			N	-1295.5	-661.1	-889.5	-716.1	-834.5		-661.09	-889.52	-716.06	-834.55	As _{x,nec}	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	108.13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			MRd,x(N)	224.48						190.84	205.68	194.74	202.54																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			MRd,y(N)	662.42						563.15	607.53	574.66	597.69																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			verifica	0.022						0.476	0.416	0.152	0.152																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	Car. Res.	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	max	disposta	Ns,max	Ms,max																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			Mx	11.15	14.79	-2.05	-10.29	23.02	41.21	14.79	12.36	41.21	41.21	As _{x,nec}	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	108.13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			My	-26.18	-208.60	179.50	67.29	-96.39	283.59	-263.59	283.59	65.06	96.39	As _{y,nec}	0.00	2.45	0.78	0.00	0.00	0.00	2.45	12.56	983.0	353.86																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			N	-1315.8	-476.7	-605.1	-731.7	-850.1		-676.69	-905.12	-731.66	-850.15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			pilastro 2 ordine 3	filo	inf		q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	Car. Res.	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	q _{max}	q _{min} + F _x	q _{min} - F _x	q _{min} + F _y	q _{min} - F _y	max	disposta	Ns,max	Ms,max																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Mx	11.15	14.79				-2.05	-10.29	23.02	41.21	14.79	12.36	41.21	41.21	As _{x,nec}	0.00	0.00	0.00	0.00	0.00	0.00	12.56	983.0	108.13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
My	-26.18	-208.60				179.50	67.29	-96.39	283.59	-263.59	283.59	65.06	96.39	As _{y,nec}	0.00	2.45	0.78	0.00	0.00	0.00	2.45	12.56	983.0	353.86																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
N	-1315.8	-476.7				-605.1	-731.7	-850.1		-676.69	-905.12	-731.66	-850.15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
MRd,x(N)	225.11									191.96	206.79	195.82	203.51																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
MRd,y(N)	664.29									566.47	610.22	577.84	600.54																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
verifica	0.019									0.376	0.331	0.153	0.155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Nodo d'angolo Pilastro 9 - ordine 1

Armatura superiore trave	14.32	cm ²	4ø16+2ø20
Armatura inferiore trave	14.32	cm ²	4ø16+2ø20
Taglio prodotto dal sisma prevalente in direzione y	254.76	kN	
nel pilastro superiore			
Sforzo normale massimo	716.16	kN	
Sforzo normale minimo	631.43	kN	
V _{sd}	1.2		
f _{cd}	291.3	MPa (N/mm ²)	
f _{td}	25	MPa (N/mm ²)	
f _{td}	14.17	MPa (N/mm ²)	
V _{sd} per sisma agente con verso negativo	407.63	kN	
V _{sd} per sisma agente con verso positivo	407.63	kN	
η	0.45		
η	0.432		
h ₀	30	cm	
h ₀	72	cm	
σ _{sm}	3.85	MPa (N/mm ²)	
σ _{sm}	3.32	MPa (N/mm ²)	
V _{sd} max	0.27		
V _{sd} max	0.23		
f _{sd}	1.20	MPa (N/mm ²)	
Taglio lim per la res. a compressione	805.57	kN	
Taglio lim per la res. a trazione	503.52	kN	
h ₀	62	cm	
τ _{sm}	1.89	MPa (N/mm ²)	
τ _{sm}	1.89	MPa (N/mm ²)	
A _{0,2°}	-1.96		

Nodo d'angolo Pilastro 17 - ordine 1

Armatura superiore trave	15.70	cm ²	5ø20
Armatura inferiore trave	14.57	cm ²	4ø16+4ø20
Taglio prodotto dal sisma prevalente in direzione y	142.45	kN	
nel pilastro superiore			
Sforzo normale massimo	121.84	kN	
Sforzo normale minimo	975.76	kN	
V _{sd}	1.2		
f _{cd}	291.3	MPa (N/mm ²)	
f _{td}	25	MPa (N/mm ²)	
f _{td}	14.17	MPa (N/mm ²)	
V _{sd} per sisma agente con verso negativo	594.76	kN	
V _{sd} per sisma agente con verso positivo	541.70	kN	
η	0.45		
η	0.432		
h ₀	30	cm	
h ₀	72	cm	
σ _{sm}	4.51	MPa (N/mm ²)	
σ _{sm}	0.56	MPa (N/mm ²)	
V _{sd} max	0.32		
V _{sd} max	0.04		
f _{sd}	1.20	MPa (N/mm ²)	
Taglio lim per la res. a compressione	678.80	kN	
Taglio lim per la res. a trazione	314.27	kN	
h ₀	62	cm	
τ _{sm}	2.51	MPa (N/mm ²)	
τ _{sm}	2.75	MPa (N/mm ²)	
A _{0,2°}	14.73		

Nodo d'angolo Pilastro 2 - ordine 1

Armatura superiore trave	12.31	cm ²	3ø16+2ø20
Armatura inferiore trave	15.70	cm ²	4ø16+4ø20
Taglio prodotto dal sisma prevalente in direzione y	151.37	kN	
nel pilastro superiore			
Sforzo normale massimo	156.62	kN	
Sforzo normale minimo	936.98	kN	
V _{sd}	1.2		
f _{cd}	291.3	MPa (N/mm ²)	
f _{td}	25	MPa (N/mm ²)	
f _{td}	14.17	MPa (N/mm ²)	
V _{sd} per sisma agente con verso negativo	396.66	kN	
V _{sd} per sisma agente con verso positivo	555.84	kN	
η	0.45		
η	0.432		
h ₀	30	cm	
h ₀	72	cm	
σ _{sm}	4.34	MPa (N/mm ²)	
σ _{sm}	0.73	MPa (N/mm ²)	
V _{sd} max	0.31		
V _{sd} max	0.05		
f _{sd}	1.20	MPa (N/mm ²)	
Taglio lim per la res. a compressione	712.11	kN	
Taglio lim per la res. a trazione	329.59	kN	
h ₀	62	cm	
τ _{sm}	2.57	MPa (N/mm ²)	
τ _{sm}	1.84	MPa (N/mm ²)	
A _{0,2°}	2.58		