

Caratteristiche materiali:

Muratura poroton:		Muratura in pietra	
Modulo elastico E=	5000 N/mmq	Modulo elastico E=	1230 N/mmq
Modulo el tang. G=	2000 N/mmq	Modulo el tang. G=	492 N/mmq
f d =	2.445 N/mmq	f d =	0.78 N/mmq
f v d =	0.1 N/mmq	f v d =	0.0125 N/mmq

Azione tagliante agente X:	326772 N	x t =	5393 mm	y t =	6860 mm
Azione tagliante agente Y:	0 N				

Piano primo SISMA X																			
Baricentro rigidez.		X r =		4612 mm		Y r =		5699 mm		eccentricità taglio		X t =		781 mm		Y t =		1161 mm	
																		M torc	
																		3.79E+08 Nmm	
Setto	h (mm)	Lx (mm)	Ly (mm)	x g	y g	efficace lungo		Area (mmq)	vincolo	Area eff (mmq)	Materiale	I x	I y	K x	K y	y g * K x	x g * K y	x g relativo	y g relativo
						x	y												
1	2800	3260	480	1630	240	1	1	0	1564800	100%	1564800	2	1.39E+12	0.00E+00	1.84E+05	0.00E+00	4.41E+07	0.00E+00	-2982
3	2800	3730	570	6840	290	1	0	0	2126100	100%	2126100	2	2.47E+12	0.00E+00	2.62E+05	0.00E+00	7.60E+07	0.00E+00	2228
4	2800	580	1300	10810	650	0	1	1	754000	100%	754000	2	0.00E+00	1.06E+11	0.00E+00	4.34E+04	0.00E+00	4.69E+08	6198
5	2800	560	3000	280	3590	0	1	1	1680000	100%	1680000	2	0.00E+00	1.26E+12	0.00E+00	1.91E+05	0.00E+00	5.34E+07	-4332
7	2800	570	3160	5280	2150	0	1	1	1801200	100%	1801200	2	0.00E+00	1.50E+12	0.00E+00	2.09E+05	0.00E+00	1.10E+09	668
8	2800	580	1200	10810	3150	0	1	1	696000	100%	696000	2	0.00E+00	8.35E+10	0.00E+00	3.62E+04	0.00E+00	3.91E+08	6198
9	2800	570	1080	5280	6430	0	1	1	615600	100%	615600	2	0.00E+00	5.98E+10	0.00E+00	2.78E+04	0.00E+00	1.47E+08	668
10b	2800	580	1470	10810	5600	0	1	1	852600	100%	852600	2	0.00E+00	1.54E+11	0.00E+00	5.65E+04	0.00E+00	6.11E+08	6198
10a	2800	580	1350	10810	8270	0	1	1	783000	100%	783000	2	0.00E+00	1.19E+11	0.00E+00	4.71E+04	0.00E+00	5.09E+08	6198
11	2800	350	5000	180	10720	0	1	1	1750000	100%	1750000	2	0.00E+00	3.65E+12	0.00E+00	2.32E+05	0.00E+00	4.18E+07	-4432
12	2800	570	1970	5280	9210	0	1	1	1122900	100%	1122900	2	0.00E+00	3.63E+11	0.00E+00	9.83E+04	0.00E+00	5.19E+08	668
13	2800	2340	570	7900	8540	1	0	0	1333800	100%	1333800	2	6.09E+11	0.00E+00	1.32E+05	0.00E+00	1.13E+09	0.00E+00	3288
14	2800	630	1180	10790	10750	0	1	1	743400	100%	743400	2	0.00E+00	8.63E+10	0.00E+00	3.78E+04	0.00E+00	4.08E+08	6178
16	2800	570	1380	5280	12480	0	1	1	786600	100%	786600	2	0.00E+00	1.25E+11	0.00E+00	4.86E+04	0.00E+00	2.56E+08	668
17	2800	2040	500	20	13470	1	0	0	1020000	100%	1020000	2	3.54E+11	0.00E+00	9.17E+04	0.00E+00	1.24E+09	0.00E+00	-4592
18	2800	1020	500	2740	13470	1	0	0	510000	100%	510000	2	4.42E+10	0.00E+00	2.13E+04	0.00E+00	2.86E+08	0.00E+00	-1872
19	2800	2350	550	5750	13440	1	0	0	1292500	100%	1292500	2	5.95E+11	0.00E+00	1.28E+05	0.00E+00	1.73E+09	0.00E+00	1138
20	2800	1540	550	8190	13440	1	0	0	847000	100%	847000	2	1.67E+11	0.00E+00	5.90E+04	0.00E+00	7.93E+08	0.00E+00	3578
21	2800	630	1170	10780	13130	0	1	1	737100	100%	737100	2	0.00E+00	8.41E+10	0.00E+00	3.71E+04	0.00E+00	4.00E+08	6168
22	3000	2160	400	1640	4730	1	0	0	864000	100%	864000	1	3.36E+11	0.00E+00	2.92E+05	0.00E+00	1.38E+09	0.00E+00	-2972
														1.17E+06	1.06E+06	6.67E+09	4.91E+09		
																		3.25E+13	1.82E+13

Piano primo SISMA Y																									
Baricentro rigidez.		X r =		4612 mm		Y r =		5699 mm		eccentricità taglio				X t =		781 mm		Y t =		1161 mm		M torc		2.55E+08 Nmm	
Setto	h (mm)	Lx (mm)	Ly (mm)	x g	y g	efficace lungo		Area (mmq)	vincolo	Area eff (mmq)	Materiale	I x	I y	K x	K y	y g * K x	x g * K y	x g relativo	y g relativo	yg^2 * K x	xg^2 * K y				
						x	y																		
1	2800	3260		480	1630	240	1	0	1564800	100%	1564800	2	1.39E+12	0.00E+00	1.84E+05	0.00E+00	4.41E+07	0.00E+00	-2982	-5459	5.48E+12	0.00E+00			
3	2800	3730		570	6840	290	1	0	2126100	100%	2126100	2	2.47E+12	0.00E+00	2.62E+05	0.00E+00	7.60E+07	0.00E+00	2228	-5409	7.67E+12	0.00E+00			
4	2800	580		1300	10810	650	0	1	754000	100%	754000	2	0.00E+00	1.06E+11	0.00E+00	4.34E+04	0.00E+00	4.69E+08	6198	-5049	0.00E+00	1.67E+12			
5	2800	560		3000		280	3590	0	1	1680000	100%	1680000	2	0.00E+00	1.26E+12	0.00E+00	1.91E+05	0.00E+00	5.34E+07	-4332	-2109	0.00E+00	3.58E+12		
7	2800		570	3160	5280	2150	0	1	1801200	100%	1801200	2	0.00E+00	1.50E+12	0.00E+00	2.09E+05	0.00E+00	1.10E+09	668	-3549	0.00E+00	9.32E+10			
8	2800	580		1200	10810	3150	0	1	696000	100%	696000	2	0.00E+00	8.35E+10	0.00E+00	3.62E+04	0.00E+00	3.91E+08	6198	-2549	0.00E+00	1.39E+12			
9	2800	570		1080	5280	6430	0	1	615600	100%	615600	2	0.00E+00	5.98E+10	0.00E+00	2.78E+04	0.00E+00	1.47E+08	668	731	0.00E+00	1.24E+10			
10b	2800	580		1470	10810	5600	0	1	852600	100%	852600	2	0.00E+00	1.54E+11	0.00E+00	5.65E+04	0.00E+00	6.11E+08	6198	-99	0.00E+00	2.17E+12			
10a	2800	580		1350	10810	8270	0	1	783000	100%	783000	2	0.00E+00	1.19E+11	0.00E+00	4.71E+04	0.00E+00	5.09E+08	6198	2571	0.00E+00	1.81E+12			
11	2800	350		5000	180	10720	0	1	1750000	100%	1750000	2	0.00E+00	3.65E+12	0.00E+00	2.32E+05	0.00E+00	4.18E+07	-4432	5021	0.00E+00	4.56E+12			
12	2800	570		1970	5280	9210	0	1	1122900	100%	1122900	2	0.00E+00	3.63E+11	0.00E+00	9.83E+04	0.00E+00	5.19E+08	668	3511	0.00E+00	4.38E+10			
13	2800	2340		570	7900	8540	1	0	1333800	100%	1333800	2	6.09E+11	0.00E+00	1.32E+05	0.00E+00	1.13E+09	0.00E+00	3288	2841	1.07E+12	0.00E+00			
14	2800	630		1180	10790	10750	0	1	743400	100%	743400	2	0.00E+00	8.63E+10	0.00E+00	3.78E+04	0.00E+00	4.08E+08	6178	5051	0.00E+00	1.44E+12			
16	2800	570		1380	5280	12480	0	1	786600	100%	786600	2	0.00E+00	1.25E+11	0.00E+00	4.86E+04	0.00E+00	2.56E+08	668	6781	0.00E+00	2.17E+10			
17	2800	2040		500	20	13470	1	0	1020000	100%	1020000	2	3.54E+11	0.00E+00	9.17E+04	0.00E+00	1.24E+09	0.00E+00	-4592	7771	5.54E+12	0.00E+00			
18	2800	1020		500	2740	13470	1	0	510000	100%	510000	2	4.42E+10	0.00E+00	2.13E+04	0.00E+00	2.86E+08	0.00E+00	-1872	7771	1.28E+12	0.00E+00			
19	2800	2350		550	5750	13440	1	0	1292500	100%	1292500	2	5.95E+11	0.00E+00	1.28E+05	0.00E+00	1.73E+09	0.00E+00	1138	7741	7.70E+12	0.00E+00			
20	2800	1540		550	8190	13440	1	0	847000	100%	847000	2	1.67E+11	0.00E+00	5.90E+04	0.00E+00	7.93E+08	0.00E+00	3578	7741	3.54E+12	0.00E+00			
21	2800	630		1170	10780	13130	0	1	737100	100%	737100	2	0.00E+00	8.41E+10	0.00E+00	3.71E+04	0.00E+00	4.00E+08	6168	7431	0.00E+00	1.41E+12			
22	3000	2160		400	1640	4730	1	0	864000	100%	864000	1	3.36E+11	0.00E+00	2.92E+05	0.00E+00	1.38E+09	0.00E+00	-2972	-969	2.74E+11	0.00E+00			
																1.17E+06	1.06E+06	6.67E+09	4.91E+09	3.25E+13	1.82E+13				

Piano primo SISMA X											
F x,i (N)	F y,i (N)	Setto	Setto Spess	Lungh	N d (N)	M s,d (Nmm)	f d (N/mmq)	M r,d (Nmm)	F s Preflex	ARM	
43823	0	1	480	3260	207258	122705287	0.78	270340395	0.45	no	
62552	0	3	570	3730	309803	175144250	0.78	450797677	0.39	no	
0	-2009	4	580	1300	142586	5623982	0.78	66245609	0.08	no	
0	6173	5	560	3000	215208	17284155	0.78	260440632	0.07	no	
0	-1043	7	570	3160	303946	2921670	0.78	358005306	0.01	no	
0	-1677	8	580	1200	144671	4696240	0.78	59588703	0.08	no	
0	-139	9	570	1080	193234	388789	0.78	54943873	0.01	no	
0	-2618	10b	580	1470	185635	7329379	0.78	91634534	0.08	no	
0	-2182	10a	580	1350	161126	6110052	0.78	75003267	0.08	no	
0	7685	11	350	5000	285896	21519067	0.78	538621657	0.04	no	
0	-490	12	570	1970	234646	1373329	0.78	158279792	0.01	no	
39705	0	13	570	2340	118773	111174849	0.78	120299708	0.92	no	
0	-1747	14	630	1180	141518	4892059	0.78	59521787	0.08	no	
0	-242	16	570	1380	151869	678610	0.78	74274095	0.01	no	
30934	0	17	500	2040	163520	86614786	0.78	126460399	0.68	no	
7170	0	18	500	1020	99160	20075678	0.78	35740973	0.56	no	
43287	0	19	550	2350	199756	121202585	0.78	179999932	0.67	no	
19882	0	20	550	1540	156894	55668965	0.78	87055976	0.64	no	
0	-1710	21	630	1170	124366	4789112	0.78	54239185	0.09	no	
79420	0	22	400	2160	65840	238259580	2.445	68499895	A	si	
326772	0										



Piano primo SISMA Y

F x,i (N)	F y,i (N)	Setto	Setto Spess	Lungh	N setto (N)	M setto (Nmm)	f d (N/mm ²)	M r,d (Nmm)	F s	ARM
-5049	0	1	480	3260	207258	14137834	0.78	270340395	0.05	no
-7130	0	3	570	3730	309803	19963606	0.78	450797677	0.04	no
0	11959	4	580	1300	142586	33486377	0.78	66245609	0.51	no
0	62680	5	560	3000	215208	175502699	0.78	260440632	0.67	no
0	63472	7	570	3160	303946	177720301	0.78	358005306	0.50	no
0	9987	8	580	1200	144671	27962404	0.78	59588703	0.47	no
0	8446	9	570	1080	193234	23649375	0.78	54943873	0.43	no
0	15586	10b	580	1470	185635	43640675	0.78	91634534	0.48	no
0	12993	10a	580	1350	161126	36380543	0.78	75003267	0.49	no
0	76393	11	350	5000	285896	213900560	0.78	538621657	0.40	no
0	29835	12	570	1970	234646	83537286	0.78	158279792	0.53	no
1889	0	13	570	2340	118773	5288513	0.78	120299708	0.04	no
0	10440	14	630	1180	141518	29233309	0.78	59521787	0.49	no
0	14742	16	570	1380	151869	41278721	0.78	74274095	0.56	no
3585	0	17	500	2040	163520	10038987	0.78	126460399	0.08	no
831	0	18	500	1020	99160	2326848	0.78	35740973	0.07	no
5001	0	19	550	2350	199756	14002925	0.78	179999932	0.08	no
2297	0	20	550	1540	156894	6431615	0.78	87055976	0.07	no
0	10239	21	630	1170	124366	28669758	0.78	54239185	0.53	no
-1424	0	22	400	2160	65840	4272266	2.445	68499895	A	si
0	326772									