

Caratteristiche materiali:

Muratura poroton:
Modulo elastico E=
Modulo el tang. G=
f d =
f v d =

5000 N/mmq
2000 N/mmq
2.445 N/mmq
0.1 N/mmq

Muratura in pietra
Modulo elastico E=
Modulo el tang. G=
f d =
f v d =

1230 N/mmq
492 N/mmq
0.78 N/mmq
0.0125 N/mmq

Azione tagliante agente X:		195499 N		x t =		5590 mm		y t =		6860 mm													
Azione tagliante agente Y:		0 N																					
Piano secondo SISMA X																							
Baricentro rigidez.		X r =		5614 mm		Y r =		6291 mm		eccentricità taglio		X t =		-24 mm		Y t =		569 mm		M torc		1.11E+08 Nmm	
Setto	h	Lx	Ly	x g	y g	efficace lungo		Area	vincolo	Area eff	Materiale	I x	I y	K x	K y	y g * K x	x g * K y	x g	y g	relativo	relativo	yg^2 * K x	xg^2 * K y
	(mm)	(mm)	(mm)			x	y	(mmq)		(mmq)													
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	-3984		-6051	6.73E+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	1226		-6001	9.44E+12	0.00E+00
4	2800	540	1340	10830	670	0	1	723600	100%	723600		2	0.00E+00	1.08E+11	0.00E+00	4.32E+04	0.00E+00	4.67E+08	5216	-5621	0.00E+00	1.17E+12	
5	2800	560	300	280	3610	0	1	168000	100%	168000		2	0.00E+00	1.26E+09	0.00E+00	8.19E+02	0.00E+00	2.29E+05	-5334	-2681	0.00E+00	2.33E+10	
7	2800	570	2020	5280	2710	0	1	1151400	100%	1151400		2	0.00E+00	3.92E+11	0.00E+00	1.03E+05	0.00E+00	5.43E+08	-334	-3581	0.00E+00	1.15E+10	
8	2800	540	1180	10830	3110	0	1	637200	100%	637200		2	0.00E+00	7.39E+10	0.00E+00	3.24E+04	0.00E+00	3.51E+08	5216	-3181	0.00E+00	8.82E+11	
10b	2800	540	1540	10830	5690	0	1	831600	100%	831600		2	0.00E+00	1.64E+11	0.00E+00	5.79E+04	0.00E+00	6.27E+08	5216	-601	0.00E+00	1.58E+12	
10a	2800	540	1440	10830	8260	0	1	777600	100%	777600		2	0.00E+00	1.34E+11	0.00E+00	5.04E+04	0.00E+00	5.46E+08	5216	1969	0.00E+00	1.37E+12	
11	2800	350	5000	170	10720	0	1	1750000	100%	1750000		2	0.00E+00	3.65E+12	0.00E+00	2.32E+05	0.00E+00	3.94E+07	-5444	4429	0.00E+00	6.88E+12	
12	2800	560	1970	5310	9200	0	1	1103200	100%	1103200		2	0.00E+00	3.57E+11	0.00E+00	9.65E+04	0.00E+00	5.13E+08	-304	2909	0.00E+00	8.94E+09	
14	2800	540	1300	10830	10790	0	1	702000	100%	702000		2	0.00E+00	9.89E+10	0.00E+00	4.04E+04	0.00E+00	4.37E+08	5216	4499	0.00E+00	1.10E+12	
16	2800	560	1370	5310	12470	0	1	767200	100%	767200		2	0.00E+00	1.20E+11	0.00E+00	4.70E+04	0.00E+00	2.49E+08	-304	6179	0.00E+00	4.35E+09	
17	2800	2640	500	320	13470	1	0	1320000	100%	1320000		2	7.67E+11	0.00E+00	1.41E+05	0.00E+00	1.89E+09	0.00E+00	-5294	7179	7.25E+12	0.00E+00	
18	2800	1610	500	2440	13470	1	0	805000	100%	805000		2	1.74E+11	0.00E+00	5.87E+04	0.00E+00	7.91E+08	0.00E+00	-3174	7179	3.03E+12	0.00E+00	
19	2800	2350	560	5750	13440	1	0	1316000	100%	1316000		2	6.06E+11	0.00E+00	1.31E+05	0.00E+00	1.76E+09	0.00E+00	136	7149	6.69E+12	0.00E+00	
20	2800	1340	560	8090	13440	1	0	750400	100%	750400		2	1.12E+11	0.00E+00	4.48E+04	0.00E+00	6.01E+08	0.00E+00	2476	7149	2.29E+12	0.00E+00	
21	2800	540	1200	10830	13120	0	1	648000	100%	648000		2	0.00E+00	7.78E+10	0.00E+00	3.37E+04	0.00E+00	3.65E+08	5216	6829	0.00E+00	9.17E+11	
														8.21E+05	7.37E+05	5.16E+09	4.14E+09				3.54E+13	1.39E+13	

Azione tagliante agente X:		0 N		x t =		5590 mm		y t =		6860 mm													
Azione tagliante agente Y:		195499.2506 N																					
Piano secondo SISMA Y																							
Baricentro rigidez.		X r =		5614 mm		Y r =		6291 mm		eccentricità taglio		X t =		-24 mm		Y t =		569 mm		M torc		-4.76E+06 Nmm	
Setto	h	Lx	Ly	x g	y g	efficace lungo	Area	vincolo	Area eff	Materiale	I x	I y	K x	K y	y g * K x	x g * K y	x g	y g	relativo	y g	relativo	yg^2 * K x	xg^2 * K y
	(mm)	(mm)	(mm)			x y	(mmq)		(mmq)														
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	-3984	-6051	6.73E+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	1226	-6001	9.44E+12	0.00E+00		
4	2800	540	1340	10830	670	0	1	723600	100%	723600	2	0.00E+00	1.08E+11	0.00E+00	4.32E+04	0.00E+00	4.67E+08	5216	-5621	0.00E+00	1.17E+12		
5	2800	560	300	280	3610	0	1	168000	100%	168000	2	0.00E+00	1.26E+09	0.00E+00	8.19E+02	0.00E+00	2.29E+05	-5334	-2681	0.00E+00	2.33E+10		
7	2800	570	2020	5280	2710	0	1	1151400	100%	1151400	2	0.00E+00	3.92E+11	0.00E+00	1.03E+05	0.00E+00	5.43E+08	-334	-3581	0.00E+00	1.15E+10		
8	2800	540	1180	10830	3110	0	1	637200	100%	637200	2	0.00E+00	7.39E+10	0.00E+00	3.24E+04	0.00E+00	3.51E+08	5216	-3181	0.00E+00	8.82E+11		
10b	2800	540	1540	10830	5690	0	1	831600	100%	831600	2	0.00E+00	1.64E+11	0.00E+00	5.79E+04	0.00E+00	6.27E+08	5216	-601	0.00E+00	1.58E+12		
10a	2800	540	1440	10830	8260	0	1	777600	100%	777600	2	0.00E+00	1.34E+11	0.00E+00	5.04E+04	0.00E+00	5.46E+08	5216	1969	0.00E+00	1.37E+12		
11	2800	350	5000	170	10720	0	1	1750000	100%	1750000	2	0.00E+00	3.65E+12	0.00E+00	2.32E+05	0.00E+00	3.94E+07	-5444	4429	0.00E+00	6.88E+12		
12	2800	560	1970	5310	9200	0	1	1103200	100%	1103200	2	0.00E+00	3.57E+11	0.00E+00	9.65E+04	0.00E+00	5.13E+08	-304	2909	0.00E+00	8.94E+09		
14	2800	540	1300	10830	10790	0	1	702000	100%	702000	2	0.00E+00	9.89E+10	0.00E+00	4.04E+04	0.00E+00	4.37E+08	5216	4499	0.00E+00	1.10E+12		
16	2800	560	1370	5310	12470	0	1	767200	100%	767200	2	0.00E+00	1.20E+11	0.00E+00	4.70E+04	0.00E+00	2.49E+08	-304	6179	0.00E+00	4.35E+09		
17	2800	2640	500	320	13470	1	0	1320000	100%	1320000	2	7.67E+11	0.00E+00	1.41E+05	0.00E+00	1.89E+09	0.00E+00	-5294	7179	7.25E+12	0.00E+00		
18	2800	1610	500	2440	13470	1	0	805000	100%	805000	2	1.74E+11	0.00E+00	5.87E+04	0.00E+00	7.91E+08	0.00E+00	-3174	7179	3.03E+12	0.00E+00		
19	2800	2350	560	5750	13440	1	0	1316000	100%	1316000	2	6.06E+11	0.00E+00	1.31E+05	0.00E+00	1.76E+09	0.00E+00	136	7149	6.69E+12	0.00E+00		
20	2800	1340	560	8090	13440	1	0	750400	100%	750400	2	1.12E+11	0.00E+00	4.48E+04	0.00E+00	1.01E+08	0.00E+00	2476	7149	2.29E+12	0.00E+00		
21	2800	540	1200	10830	13120	0	1	648000	100%	648000	2	0.00E+00	7.78E+10	0.00E+00	3.37E+04	0.00E+00	3.65E+08	5216	6829	0.00E+00	9.17E+11		



Piano secondo SISMA X

F x,i (N)	F y,i (N)	Setto	Setto Spess	Lungh	N d (N)	M s,d (Nmm)	f d (N/mm)	M r,d (Nmm)	F s Preflex	ARM
41294	0	1	480	3260	109629	115623007	0.78	159812224	0.72	no
58878	0	3	570	3730	168342	164859591	0.78	276462847	0.60	no
0	-507	4	540	1340	82762	1420413	0.78	45884490	0.03	no
0	10	5	560	300	67928	27572	0.78	3975274	0.01	no
0	77	7	570	2020	137078	216867	0.78	113588122	0.00	no
0	-381	8	540	1180	77175	1067573	0.78	37215381	0.03	no
0	-681	10b	540	1540	100690	1906938	0.78	63372013	0.03	no
0	-592	10a	540	1440	85038	1658183	0.78	51127925	0.03	no
0	2847	11	350	5000	153176	7971442	0.78	332384329	0.02	no
0	66	12	560	1970	136403	185423	0.78	109300816	0.00	no
0	-475	14	540	1300	82608	1328797	0.78	44164892	0.03	no
0	32	16	560	1370	84939	90196	0.78	48467413	0.00	no
35756	0	17	500	2640	98560	100117098	0.78	115447505	0.87	no
14930	0	18	500	1610	64440	41803792	0.78	45610982	0.92	no
33261	0	19	560	2350	101856	93132023	0.78	105709344	0.88	no
11379	0	20	560	1340	71062	31862391	0.78	40811193	0.78	no
0	-396	21	540	1200	71488	1109597	0.78	35755581	0.03	no
195499	0									



Piano secondo 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
107	0	1	480	3260	109629	300534	0.78	159812224	0.00	no
152	0	3	570	3730	168342	424759	0.78	276462847	0.00	no
0	11467	4	540	1340	82762	32108965	0.78	45884490	0.70	no
0	217	5	560	300	67928	607069	0.78	3975274	0.15	no
0	27257	7	570	2020	137078	76319678	0.78	113588122	0.67	no
0	8619	8	540	1180	77175	24132895	0.78	37215381	0.65	no
0	15395	10b	540	1540	100690	43107044	0.78	63372013	0.68	no
0	13387	10a	540	1440	85038	37483846	0.78	51127925	0.73	no
0	61414	11	350	5000	153176	171959966	0.78	332384329	0.52	no
0	25602	12	560	1970	136403	71686855	0.78	109300816	0.66	no
0	10728	14	540	1300	82608	30037965	0.78	44164892	0.68	no
0	12454	16	560	1370	84939	34870770	0.78	48467413	0.72	no
-97	0	17	500	2640	98560	272549	0.78	115447505	0.00	no
-41	0	18	500	1610	64440	113803	0.78	45610982	0.00	no
-90	0	19	560	2350	101856	252541	0.78	105709344	0.00	no
-31	0	20	560	1340	71062	86400	0.78	40811193	0.00	no
0	8958	21	540	1200	71488	25082849	0.78	35755581	0.70	no
0	195499									