Foglio Primo N°2

COMUNE DI GENOVA
RIPARTIZIONE EDILIZIA COMUNALE
SCUOLA MEDIA STATALE "G. PARINI"

CALCOLO TRAVI 1° SOLAIO

2184/2 30.XII.959

Tr.	l n. m.	l e m.	Pelo Proprio	Mundur. Perim.	Tramezz.	Solette	Soletta o Poggioli	(12)	P	- REAZIONI -		Coef. Momen. Tagli.	Mf Kg. cm.	b cm.	$\sqrt{M/b}$	H cm.	h cm.	$\frac{h}{2}\sqrt{\frac{M}{b}}$	β	σ_c Kg/cm²	σ_f Kg/cm²	x cm.	$\frac{h}{5}\frac{\alpha}{\alpha}$ cm.	$F_f=\beta b\sqrt{\frac{M}{b}}$ cm²	ARMATURA	T	b_o	$\frac{h}{2}-\frac{x}{3}$	$b_o\times\left(\frac{h}{2}-\frac{x}{3}\right)$	τ	St.	Sfp	S st = St.-Sfp	Ω		Staffe	Pilastri
P24	3.15	3.25	200	800	—	1500	—	2.500	7.900	3.950	3.950	1/10	260.000	35	87	50	46	0.828	0.1265	39	1600			0.1265×35×87 = 3.88	3φ12+1φ10	3950	16	40	640	6.20	$\frac{0.8\times6.20\times162\times16}{1400}$ = 2.75	1φ12+1φ10=1.92	3.37	0.87	7	14φ6	
P25	2.90	3.05	200	800	—	1500	—	2.500	7.300	3.650	3.650	1/12	186.000	35	73	50	46	0.630	0.105	32	1600			0.105×35×73 = 2.70	4φ10	3650	16	40	640	5.70	$\frac{0.8\times5.70\times142\times16}{1400}$ = 1.75	2φ10 = 1.57	3.18	0.57	6	12φ6	
P26	4.03	4.60	250	1.100	—	1.720	—	3.070	13.600	6800	6.800	1/12	220.000	40	114	60	56	0.490	0.138	43	1600			0.138×40×114 = 6.30	3φ12+2φ14	6.800	16	50	800	8.50	$\frac{0.8\times8.50\times200\times16}{1400}$ 11.15	3φ12 = 3.39	7.81	0.57	13.5	27φ6	
P27	2.55	2.70	200	1.100	—	400	—	1700	4.400	2.200	2.200	1/12	100.000	40	50	60	46	0.900	0.080	23	1600			0.080×40×50 = 160	3φ10	2.200	16	40	640	3.50	$\frac{0.8\times3.50\times185\times16}{1400}$ = 2.70	1φ10 = 0.79	1.91	0.57	3.5	10φ6	
P28	2.85	3.00	200	1100	—	400	—	1700	4.900	2.450	2.450	1/10	148.000	50	54.5	74	22	0.400	0.168	53	1600			0.168×50×54.5 = 4.60	6φ10	2450	50	20	1000	2.45	$\frac{0.8\times2.45\times100\times50}{1400}$ = 1.60	2φ10 = 1.57	5.03	0.57	9	18φ6	
M1	0.45	0.50	250	1100	—	2.100	—	3.450	Reazione P28 = 155	1550+2450 =	4.000		39.000 / 123.000 / 162.000	35	68.5	50	46	0.670	0.099	30	1600			0.099×35×68.5 = 2.40	2φ14+2φ14	4000	35	40	1400	2.90	$\frac{0.8\times2.90\times350\times35}{1400}$ = 1.85	—	1.85	1.01	2	3φ8	
P30	4.30	4.50	250	—	—	2.100	—	2.350	10.100	5.050	5.050	1/12	380.000	35	104.5	50	46	0.460	0.154	48.3	1600			0.154×35×104.5 = 5.65	4φ14	5050	20	40	800	6.35	$\frac{0.8\times6.35\times225\times20}{1400}$ = 10.20	2φ14=3.08	7.12	0.57	12.5	25φ6	
M3	0.45	0.50	250	1100	—	—	—	1350	Reazione Tr. P3 = 610	600+5300	6.500		36.000 / 346.000 / 330.000	35	97	50	46	0.473	0.1623	44.3	1600			0.1623×35×97 = 4.85	2φ14+2φ14 4φ30	6500	35	40	1.400	4.65	$\frac{0.8\times4.65\times350\times35}{1400}$ = 2.95	1φ12 = 1.13	1.72	1.01	2	3φ8	
T1	4.00	4.60	250	—	—	2.300	—	2.550	11.200	5.600	5.600	1/10	516.000	35	121.5	60	56	0.461	0.146	45.7	1600			0.146×35×121.5 = 6.25	3φ16+1φ16	7600	20	50	1.000	5.60	$\frac{0.8\times7.60\times250\times20}{1400}$ = 9.25	2φ14=3.08	6.17	0.57	11	22φ6	
Trib.	2.90	3.00	250	—	—	2500	—	2.750	8.000	4.000	4.000	1/12	200.000	30	82	50	46	0.580	0.119	36.5	1600			0.119×30×82 = 2.95	4φ10	4.000	20	40	800	5.00	$\frac{0.8\times5.000\times120\times20}{1400}$ = 5.37	2φ10=1.57	3.80	0.57	7	14φ6+5φ6	
T2	2.30	2.40	200	—	500	4.100	—	4.800	11.000	5.500	5.500	1/12	267.000	40	82	40	36	0.460	0.154	48.2	1600			0.154×40×82 = 5.10	4φ12+1φ10	5500	20	32	640	8.60	$\frac{0.8\times8.60\times120\times20}{1400}$ = 7.98	2φ12=2.26	5.12	1.01	5.5	11φ8	
T3	2.65	2.80	250	—	500	2.700	—	3.450	9.200	4.600	4.600	1/12	215.000	35	78.5	40	36	0.658	0.1672	46	1600			0.1672×35×78.5 = 4.60	3φ12+1φ10	4.600	20	32	640	7.20	$\frac{0.8\times7.20\times100\times20}{1400}$ = 7.12	1φ12+1φ10=2.92	5.20	1.01	5.5	11φ8	
T4	1.90	2.00	200	—	250	4.100	—	4.550	8.700	4.350	4.350	1/12	145.000	40	61	40	36	0.590	0.113	36.5	1600			0.113×40×61 = 2.80	2φ12+1φ10	4350	20	32	640	6.80	$\frac{0.8\times6.80\times100\times20}{1400}$ = 7.37	1φ12 = 1.13	3.74	1.01	4	8φ8	
T5	2.30	2.45	200	—	—	1950	—	2.150	5.100	2.550	2.550	1/12	105.000	30	59.5	40	36	0.645	0.110	33.5	1600			0.110×30×59.5 = 1.98	3φ10	2550	20	32	640	4.00	$\frac{0.8\times4.00\times120\times20}{1400}$ = 3.60	1φ10 = 0.79	2.81	0.57	5	10φ6	
T6	1.35	1.50	200	—	—	1950	—	2.150	2.900	1450	1.450	1/12	87.000	30	36	40	36	1.000	0.067	20	1600			0.067×30×36 = 0.75	2φ10 d.	1450	20	32	640	2.30	$\frac{0.8\times2.30\times75\times20}{1400}$ 1.22	—	1.22	0.57	3	6φ6	
T7	1.70	1.80	200	—	440	1950	—	2.590	4.400	2.200	2.200	1/12	66.000	30	47	40	36	0.745	0.085	25	1600			0.085×30×47 = 1.20	2φ10 d	2.200	20	32	640	3.20	$\frac{0.8\times3.20\times90\times20}{1400}$ = 2.25	—	2.25	0.57	4	8φ6	

— Reazioni Travi —