

24/8

comune	BRINDISI		
progetto	ALLOGGI I. A. C. P.		
	( CORPO A-B-C )		
progettista	UFFICIO TECNICO I. A. C. P. BRINDISI		
impresa	CAPUTO ANTONIO		
dir. lavori			
costruttore c.a.	Ing. PINTO P.		
oggetto	TABELLA PRESTAZIONI STRUTTURE PREFABBRICATE "K" COSTRUITE E CORREDATE IN OPERA SECONDO ALLEGATI DA 1 A 38.		tabella n. <b>39</b>
data	GIUGNO '83	egg. n.	
prescrizione	R'bk 250 kg/cmq	calce	FEB 44 k

Il comportamento a nodi fissi di tutta la struttura deve essere garantito dalle caratteristiche costruttive del vano scala realizzato in opera, che deve assorbire interamente tutte le azioni orizzontali.

PER CONFERMA E AUTORIZZAZIONE  
ALLA PRODUZIONE



L'IMPRESA

L'INGEGNERE CALCOLATORE C.A.



REGIONE PUGLIA

STRUTTURE PREFABBRICATE SISTEMA **K**, REALIZZATE DALLO STABILIMENTO  
A.L.A. SYSTEM S.p.a. S.S. 98 KM. 118 **MODULANO (BARI)** TEL. 080/888383

UFFICIO DEL GENIO CIVILE DI BRINDISI  
SI ATTESTA CHE COPIA DEL PRESENTE ATTO  
RISULTA DEPOSITATA PRESSO L'UFFICIO



AL SENSI DELLA LEGGE 5/11/1971 n. 1086  
BR. LI. 9 SET 1983 IL FEZIONARIO ADDETTO  
IL COORDINATORE DELL'UFFICIO  
(ING. FRANCESCO SANTOSTASI)

B = 35 (cm)  
 H = 25 (cm)  
 h' = 3 (cm)  
 h'c = 6 (cm)  
 m = 15  
 6c = 85 (kg/cm<sup>2</sup>)  
 6f = 2200 (kg/cm<sup>2</sup>)

Af	A'f	X	Wf	Wc	J	M
4.02	4.02	6.96	78.16	2531.61	17628.98	171954.51 *
8.04	4.02	8.93	150.19	3292.31	29427.21	2798.47
10.18	4.02	9.71	187.63	3558.80	34575.21	3024.98
11.37	4.02	10.09	208.24	3683.51	37185.39	3130.98
12.57	4.02	10.44	228.87	3796.25	39660.73	3226.81
13.88	4.02	10.80	251.25	3906.97	42202.56	3320.93
14.54	4.02	10.97	262.47	3958.56	43425.34	3364.78
15.21	4.02	11.13	273.82	4008.38	44629.81	3407.12
16.46	4.02	11.42	294.92	4095.13	46784.29	3480.86
17.02	4.02	11.54	304.33	4131.63	47712.77	3511.89
18.85	4.02	11.92	334.96	4242.02	50601.93	3605.72
19.01	4.02	11.96	337.63	4251.09	50844.60	3613.42
20.82	4.02	12.30	367.70	4347.78	53487.72	3695.62
21.49	4.02	12.42	378.79	4381.09	54421.22	3723.93
22.81	4.02	12.64	400.56	4443.23	56194.87	3776.75
23.31	4.02	12.72	408.79	4465.65	56845.16	3795.80
25.29	4.02	13.03	441.24	4548.99	59312.38	3866.64
26.61	4.02	13.23	462.79	4600.20	60868.17	3910.17
4.02	5.09	6.92	78.01	2548.56	17643.25	171628.78 *
8.04	5.09	8.84	149.81	3342.02	29561.39	2840.72
10.18	5.09	9.61	187.20	3620.13	34790.51	3077.11
11.37	5.09	9.98	207.79	3750.27	37447.34	3187.73
12.57	5.09	10.33	228.41	3867.90	39970.09	3287.72
13.88	5.09	10.68	250.78	3983.43	42563.65	3385.91
14.54	5.09	10.85	262.01	4037.25	43812.38	3431.66
15.21	5.09	11.01	273.36	4089.22	45043.08	3475.84
16.46	5.09	11.30	294.47	4179.73	47246.04	3552.77
17.02	5.09	11.42	303.89	4217.81	48196.03	3585.14
18.85	5.09	11.80	334.53	4332.97	51154.40	3683.02
19.01	5.09	11.83	337.20	4342.42	51403.04	3691.06
20.82	5.09	12.17	367.31	4443.30	54112.70	3776.80
21.49	5.09	12.29	378.41	4478.05	55070.35	3806.34
22.81	5.09	12.52	400.21	4542.87	56890.83	3861.44
23.31	5.09	12.60	408.44	4566.26	57558.58	3881.32
25.29	5.09	12.91	440.94	4653.21	60093.51	3955.23
26.61	5.09	13.10	462.52	4706.64	61693.15	4000.64
8.04	6.28	8.74	149.42	3395.10	29700.98	2885.84
10.18	6.28	9.49	186.74	3686.12	35016.03	3133.20
11.37	6.28	9.86	207.31	3822.31	37722.58	3248.96
12.57	6.28	10.21	227.92	3945.42	40296.04	3353.61
13.88	6.28	10.56	250.29	4066.33	42945.12	3456.38
14.54	6.28	10.72	261.51	4122.66	44221.75	3504.26
15.21	6.28	10.88	272.87	4177.05	45480.68	3550.50
16.46	6.28	11.17	293.98	4271.78	47735.94	3631.01
17.02	6.28	11.29	303.40	4311.63	48709.17	3664.89
18.85	6.28	11.67	334.07	4432.16	51742.47	3767.34
19.01	6.28	11.70	336.74	4442.06	51997.58	3775.75
20.82	6.28	12.04	366.87	4547.64	54779.47	3865.49

\* N.B. I VALORI CONTRASSEGNA TI DA ASTERISCO SONO ESPRES SI IN KG CM.

21.49	6.28	12.165	377.98	4584.01	55763.39	3896.41
22.81	6.28	12.390	399.81	4651.87	57634.83	3954.09
23.31	6.28	12.472	408.06	4676.35	58321.61	3974.89
25.29	6.28	12.781	440.60	4767.36	60930.42	4052.26
26.61	6.28	12.974	462.21	4823.30	62577.98	4099.81
8.04	7.60	8.647	149.01	3451.39	29845.03	2933.69
10.18	7.60	9.383	186.27	3756.68	35250.47	3193.18
11.37	7.60	9.747	206.81	3899.61	38009.64	3314.67
12.57	7.60	10.087	227.40	4028.83	40636.96	3424.51
13.88	7.60	10.430	249.76	4155.75	43345.22	3532.39
14.54	7.60	10.594	260.98	4214.89	44651.68	3582.66
15.21	7.60	10.754	272.34	4271.99	45940.81	3631.19
16.46	7.60	11.038	293.45	4371.44	48252.15	3715.73
17.02	7.60	11.160	302.88	4413.29	49250.34	3751.29
18.85	7.60	11.534	333.56	4539.84	52364.28	3858.87
19.01	7.60	11.566	336.24	4550.23	52626.37	3867.70
20.82	7.60	11.904	366.39	4661.10	55486.24	3961.94
21.49	7.60	12.023	377.52	4699.30	56498.56	3994.40
22.81	7.60	12.247	399.37	4770.56	58425.18	4054.98
23.31	7.60	12.329	407.62	4796.27	59132.60	4076.83
25.29	7.60	12.638	440.21	4891.86	61821.60	4158.08
26.61	7.60	12.831	461.85	4950.62	63521.27	4208.03

B = 45 (cm)  
 H = 25 (cm)  
 n' = 3 (cm)  
 h'c = 6 (cm)  
 n = 15  
 gc = 85 (kg/cm<sup>2</sup>)  
 gf = 2200 (kg/cm<sup>2</sup>)

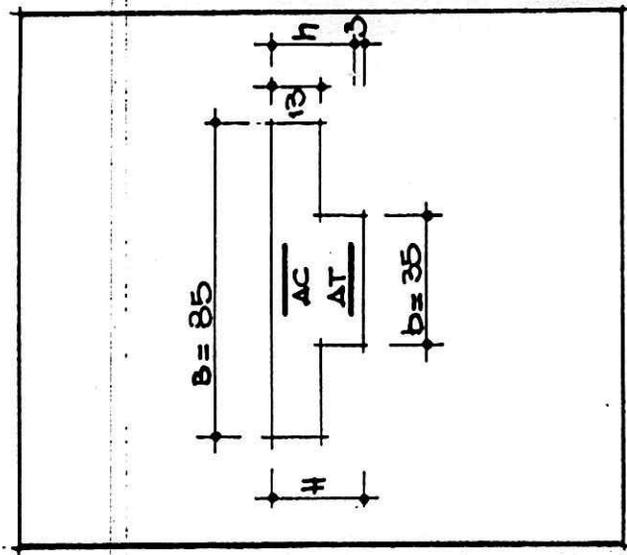
Af	A'f	X	Wf	Wc	J	M
4.02	4.02	6.388	79.49	2914.43	18616.35	174887.17*
8.04	4.02	8.234	152.69	3829.10	31528.80	3254.74
8.04	5.09	8.171	152.37	3868.31	31606.63	3288.07
8.04	6.28	8.104	152.02	3910.21	31688.15	3323.67
8.04	7.60	8.034	151.67	3954.67	31772.90	333675.62*
10.18	4.02	8.970	190.76	4156.30	37283.46	3532.85
10.18	5.09	8.895	190.36	4207.12	37421.47	3576.05
10.18	6.28	8.815	189.94	4261.83	37566.92	3622.56
10.18	7.60	8.730	189.50	4320.39	37719.10	3672.33
11.37	4.02	9.332	211.72	4310.78	40229.35	3664.17
11.37	5.09	9.252	211.29	4367.05	40403.28	3712.00
11.37	6.28	9.166	210.84	4427.82	40587.07	3763.65
11.37	7.60	9.076	210.36	4493.08	40779.94	3819.12
12.57	4.02	9.669	232.70	4451.24	43040.69	3783.55
12.57	5.09	9.585	232.26	4512.44	43251.83	3835.58
12.57	6.28	9.495	231.78	4578.71	43475.50	3891.90
12.57	7.60	9.400	231.27	4650.06	43710.80	3952.55
13.88	4.02	10.010	255.47	4589.95	45945.53	3901.46
13.88	5.09	9.922	255.00	4656.01	46197.97	3957.61
13.88	6.28	9.828	254.51	4727.70	46466.01	4018.54
13.88	7.60	9.729	253.98	4805.08	46748.69	4084.32
14.54	4.02	10.172	266.88	4654.85	47349.48	3956.63
14.54	5.09	10.083	266.41	4723.18	47622.88	4014.70
14.54	6.28	9.987	265.91	4797.39	47913.48	4077.78
14.54	7.60	9.886	265.37	4877.59	48220.30	4145.95
15.21	4.02	10.331	278.43	4717.69	48736.60	4010.03
15.21	5.09	10.240	277.96	4788.20	49031.31	4069.97
15.21	6.28	10.143	277.45	4864.86	49344.89	4135.13
15.21	7.60	10.040	276.90	4947.79	49676.32	4205.62
16.46	4.02	10.612	299.89	4827.52	51228.20	4103.39
16.46	5.09	10.519	299.41	4901.85	51562.70	4166.57
16.46	6.28	10.420	298.89	4982.79	51919.22	4235.37
16.46	7.60	10.314	298.34	5070.49	52296.75	4309.91
17.02	4.02	10.732	309.46	4873.89	52306.12	4142.81
17.02	5.09	10.638	308.99	4949.83	52658.40	4207.35
17.02	6.28	10.538	308.47	5032.57	53034.15	4277.68
17.02	7.60	10.431	307.91	5122.28	53432.34	4353.94
18.05	4.02	11.103	340.61	5014.70	55676.39	4262.50
18.05	5.09	11.007	340.14	5095.52	56086.46	4331.19
18.05	6.28	10.904	339.62	5183.72	56524.79	4406.16
18.05	7.60	10.795	339.06	5279.54	56990.37	4487.61
19.01	4.02	11.134	343.32	5026.30	55960.59	4272.35
19.01	5.09	11.038	342.85	5107.51	56375.68	4341.39
19.01	6.28	10.935	342.33	5196.17	56819.45	4416.74
19.01	7.60	10.825	341.78	5292.50	57290.91	4498.62

20.82	4.02	11.468	373.90	5150.46	59067.39	4377.89
20.82	5.09	11.371	373.44	5235.96	59538.88	4450.57
20.82	6.28	11.266	372.93	5329.43	60043.73	4530.01
20.82	7.60	11.154	372.39	5431.14	60581.22	4616.47
21.49	4.02	11.586	385.18	5193.39	60169.64	4414.39
21.49	5.09	11.488	384.72	5280.38	60661.67	4488.32
21.49	6.28	11.383	384.22	5375.51	61189.01	4569.18
21.49	7.60	11.270	383.67	5479.09	61750.78	4657.22
22.81	4.02	11.808	407.31	5273.73	62271.20	4482.67
22.81	5.09	11.709	406.87	5368.48	62803.42	4558.96
22.81	6.28	11.603	406.38	5461.73	63374.41	4642.47
22.81	7.60	11.490	405.85	5568.79	63983.55	4733.47
23.31	4.02	11.889	415.67	5302.79	63044.19	4507.37
23.31	5.09	11.790	415.23	5393.54	63591.30	4584.51
23.31	6.28	11.684	414.75	5492.91	64178.87	4668.97
23.31	7.60	11.570	414.22	5601.23	64805.75	4761.05
25.29	4.02	12.195	448.66	5411.19	65988.48	4599.51
25.29	5.09	12.096	448.25	5505.68	66594.47	4679.82
25.29	6.28	11.988	447.79	5609.24	67246.05	4767.85
25.29	7.60	11.873	447.29	5722.26	67942.49	4863.92
26.61	4.02	12.387	470.55	5478.10	67854.73	4656.38
26.61	5.09	12.287	470.15	5574.89	68499.19	4738.66
26.61	6.28	12.180	469.72	5681.04	69192.71	4828.88
26.61	7.60	12.064	469.23	5796.97	69934.61	4927.42
30.41	7.60	12.568	532.04	5989.61	75275.71	5091.17
7.10	4.02	7.867	135.79	3659.02	29785.97	298732.07 *
34.21	7.60	13.015	594.35	6155.02	80105.89	5231.77

# MOMENTI RESISTENTI ( kgm )

ARM. TESA ( AT )		ARMATURA COMPRESSA ( AC )									
		2φ14 3.08	2φ16 4.02	3φ14 4.63	2φ18 5.09	3φ16 6.03	3φ18 7.63	3φ20 9.42	3φ22 11.40		
4φ12	4.52	2011	2010	2009	2009	2007	2005	2003	2001		
2φ12+ 2φ14	5.34	2363	2362	2360	2360	2360	2357	2355	2353		
4φ14	6.16	2712	2711	2709	2710	2709	2708	2705	2703		
2φ14+ 2φ16	7.10	3108	3108	3108	3108	3106	3106	3104	3102		
4φ16	8.04	3503	3503	3502	3502	3502	3502	3501	3499		
2φ16+ 2φ18	9.11	3948	3949	3947	3948	3950	3948	3950	3949		
4φ18	10.18	4390	4392	4393	4393	4394	4395	4396	4397		
2φ18+ 2φ20	11.37	4879	4881	4883	4884	4885	4888	4890	4892		
4φ20	12.57	5283	5264	5374	5375	5378	5382	5385	5389		
2φ20+ 2φ22	13.88	5461	5546	5601	5642	5726	5866	5923	5928		
4φ22	15.01	5628	5716	5773	5814	5902	6048	6209	6384		
1φ20+ 4φ22	18.35										
5φ22	19.01										

**CAMDATA**  
**TRAVE DI SPIGA**



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 $m = 15$

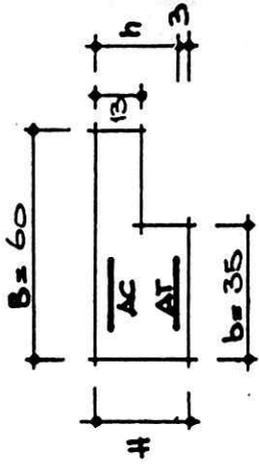
$\sigma_s : \sigma_{sK} = 250 \text{ Kg/cm}^2$   
 $ACCIAIO = F08044K$

# MOMENTI RESISTENTI ( kgm )

ARM. TESA ( AT )		ARMATURA COMPRESSA ( AC )									
		2φ14	2φ16	3φ14	2φ18	3φ16	3φ18	3φ20	3φ22		
φ	cmq	3.08	4.02	4.63	5.09	6.08	7.63	9.42	11.40		
4φ12	4.52	1986	1985	1984	1984	1983	1981	1980	1978		
2φ12+ 2φ14	5.34	2332	2331	2331	2331	2330	2329	2328	2326		
4φ14	6.16	2675	2675	2675	2675	2675	2674	2674	2672		
2φ14+ 2φ16	7.10	3065	3066	3066	3067	3067	3068	3068	3068		
4φ16	8.04	3452	3454	3455	3456	3457	3459	3460	3461		
2φ16+ 2φ18	9.11	3842	3892	3894	3895	3898	3901	3904	3906		
4φ18	10.18	3987	4072	4127	4168	4251	4340	4344	4348		
2φ18+ 2φ20	11.37	4133	4222	4279	4322	4409	4555	4716	4837		
4φ20	12.57	4267	4359	4419	4463	4553	4705	4873	5054		
2φ20+ 2φ22	13.88	4400	4496	4557	4603	4697	4854	5028	5217		
4φ22	15.01	4524	4622	4685	4732	4829	4992	5171	5367		
1φ20+ 4φ22	18.35										
5φ22	19.01										

CAMPATA

TRAVE DI BODDO



$h = 25$        $h = 22$

$m = 15$

CL: DBK = 250 Kg/cm<sup>2</sup>

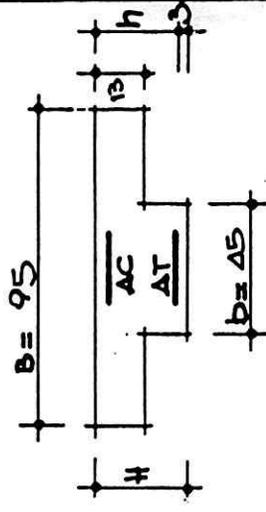
ACCIAIO = F0B44K

# MOMENTI RESISTENTI ( kgm )

ARM. TESA ( AT )	ARMATURA COMPRESSA ( AC )							
	2φ14 3.08	2φ16 4.02	2φ18 5.09	2φ20 6.08	2φ22 7.63	2φ24 9.42	2φ26 11.40	2φ28 13.80
Δφ12 4.52	2φ19 2.372	2φ18 2.371	2φ17 2.368	2φ15 2.364	2φ13 2.362	2φ11 2.359	2φ9 2.357	2φ8 2.356
2φ12+ 2φ14 5.34	2φ23 2.723	2φ21 2.722	2φ20 2.721	2φ19 2.719	2φ18 2.717	2φ17 2.715	2φ16 2.713	2φ15 2.713
2φ14+ 2φ16 7.10	3φ22 3.122	3φ20 3.120	3φ20 3.120	3φ19 3.119	3φ18 3.118	3φ16 3.116	3φ14 3.114	3φ12 3.114
4φ16 8.04	3φ18 3.518	3φ17 3.517	3φ17 3.517	3φ16 3.516	3φ16 3.516	3φ14 3.514	3φ13 3.513	3φ12 3.513
2φ16+ 2φ18 9.11	3φ16 3.966	3φ17 3.967	3φ17 3.967	3φ16 3.966	3φ16 3.966	3φ15 3.965	3φ14 3.964	3φ13 3.964
4φ18 10.18	4φ11 4.411	4φ12 4.412	4φ13 4.413	4φ13 4.413	4φ14 4.414	4φ14 4.414	4φ14 4.414	4φ14 4.414
2φ18+ 2φ20 11.37	4φ23 4.923	4φ24 4.924	4φ25 4.925	4φ27 4.927	4φ29 4.929	4φ30 4.930	4φ31 4.931	4φ32 4.932
4φ20 12.57	5φ16 5.896	5φ17 5.897	5φ18 5.898	5φ20 5.902	5φ25 5.905	5φ27 5.907	5φ30 5.910	5φ32 5.911
2φ20+ 2φ22 13.88	5φ30 5.930	5φ33 5.933	5φ35 5.935	5φ40 5.940	5φ44 5.944	5φ47 5.947	5φ51 5.951	5φ55 5.955
4φ22 15.01	6φ31 6.031	6φ116 6.116	6φ170 6.170	6φ211 6.211	6φ294 6.294	6φ493 6.493	6φ986 6.986	6φ1972 6.972
1φ20+ 4φ22 18.35	6φ13 6.413	6φ503 6.503	6φ561 6.561	6φ605 6.605	6φ695 6.695	6φ1013 6.1013	6φ1795 6.1795	6φ3195 6.3195
8φ22 19.01	6φ85 6.485	6φ77 6.577	6φ26 6.626	6φ80 6.680	6φ111 6.711	6φ124 6.724	6φ178 6.778	6φ278 6.778

CAMPATA

TRAVE DI SPIGA



$H = 25$        $h = 22$

$m = 15$

$\sigma_s : \sigma_{bK} = 250 \text{ Kg/cm}^2$

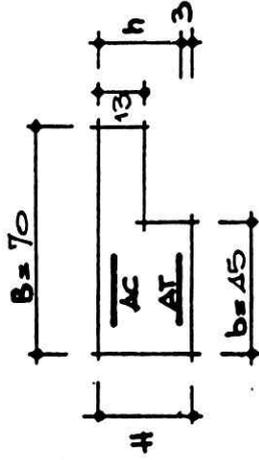
ACCIAIO = FeB44K

# MOMENTI RESISTENTI ( KgM)

ARM. TESA ( AT)		ARMATURA COMPRESSA ( AC)											
		2φ14	2φ16	3φ14	2φ18	3φ16	3φ18	3φ20	3φ22				
φ	cmq	3.08	4.02	4.63	5.09	6.08	7.63	9.42	11.40				
Δφ12	4.52	1996	1997	1995	1995	1994	1994	1990	1988				
2φ12+ 2φ14	5.34	2345	2344	2344	2343	2345	2344	2339	2337				
Δφ14	6.16	2691	2691	2691	2690	2690	2688	2687	2686				
2φ14+ 2φ16	7.10	3084	3084	3085	3084	3083	3084	3084	3082				
Δφ16	8.04	3474	3475	3476	3476	3477	3478	3478	3477				
2φ16+ 2φ18	9.11	3915	3916	3918	3919	3920	3922	3923	3924				
Δφ18	10.18	4353	4355	4358	4359	4361	4364	4367	4369				
2φ18+ 2φ20	11.37	4589	4623	4677	4720	4800	4853	4857	4861				
Δφ20	12.57	4691	4779	4835	4877	4963	5108	5267	5354				
2φ20+ 2φ22	13.88	4843	4934	4992	5036	5125	5276	5441	5621				
Δφ22	15.21	4984	5078	5138	5184	5276	5431	5603	5790				
1φ20+ Δφ22	18.35	5276	5374	5440	5488	5586	5752	5936	6136				
Δφ22	19.01	5331	5430	5496	5545	5645	5812	5998	6201				

CAMPATA

TRAVE DI BORDO



h = 25

h = 22

m = 15

ds : DbK = 250 Kg/cm<sup>2</sup>

ACCIAIO = F0B44K