

OBSERVAÇÕES

PREMOLFORT INDÚSTRIA DE PRODUTOS DE CONCRETO ARMADO PRE-MOLDADO, S.A. - PREMOLFORT S.A. - PROJETO E EXECUÇÃO DE OBRAS DE INFRA-ESTRUTURA DE CONCRETO ARMADO PRE-MOLDADO.

PROJETO DE EXECUÇÃO DE OBRAS DE INFRA-ESTRUTURA DE CONCRETO ARMADO PRE-MOLDADO. PROJETO DE EXECUÇÃO DE OBRAS DE INFRA-ESTRUTURA DE CONCRETO ARMADO PRE-MOLDADO.

LEGENDA

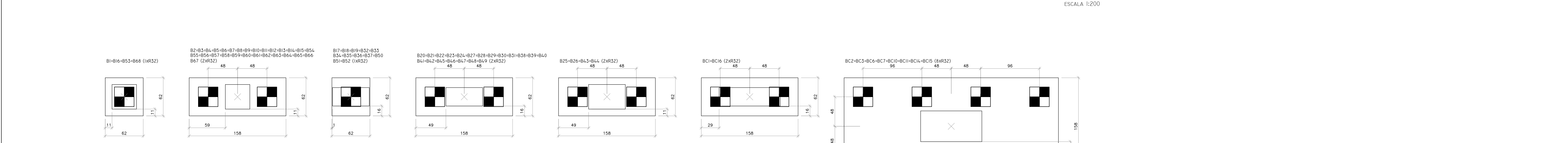
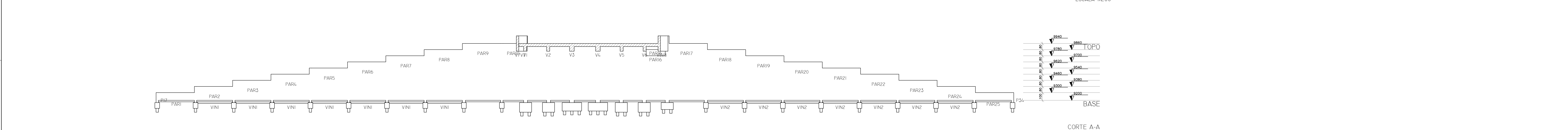
NOTAS GERAIS

CÁLCULO UTILIZANDO ESTACAS PRÉ-MOLDADAS EM CONCRETO ARMADO COM L=23cm. CAPACIDADE DE CARGA DA ESTACA > 400KN

CONFORME RELATÓRIO DE SONDAAGEM REF.: 12310515

ENG.ª MANOEL GUSTAVO DOS SANTOS

ESTIMA-SE EM NEGA EM 7,0M EM MÉDIA



Nome	Selação	X (cm)	Y (cm)	Posição	Carga Máx. (T)	Carga Mín. (T)	Fx (T)	Fy (T)	Mx (Kg-m)	Fm (Kg-m)	Nome	Lado H	H / h	h (cm)	NE	ESTACA	CA	BASE TUB.
C1	35x100	6425.00	970.00	B-10	59.5	54.5	5000	900	0.8	31.2	BC1	158	42	30	75	2	R32	910
C2	50x100	6725.00	970.00	B-11	177.4	162.2	51000	1900	0.7	23.4	BC2	158	42	30	125	8	R32	9060
C3	50x100	7025.00	970.00	B-12	193.3	180.6	64600	1900	1.6	29.9	BC3	350	158	30	125	8	R32	9060
C4	65x100	7325.00	970.00	B-13	253.7	199.2	77600	3700	2.8	34.9	BC4	254	254	30	110	9	R32	9075
C5	65x100	7625.00	970.00	B-14	204.1	190.1	76700	5000	4.0	34.5	BC5	254	254	30	110	9	R32	9075
C6	50x100	7925.00	970.00	B-15	172.2	160.4	61900	3600	2.8	28.7	BC6	350	158	30	125	8	R32	9060
C7	50x100	8225.00	970.00	B-16	167.5	160.0	60900	4300	3.3	23.9	BC7	350	158	30	125	8	R32	9060
C8	50x100	8525.00	970.00	B-17	157.1	146.4	26200	5000	3.9	14.3	BC8	254	158	30	90	4	R32	9095
C9	50x100	8825.00	970.00	B-18	155.2	144.7	25900	5000	3.9	18.8	BC9	254	158	30	90	4	R32	9095
C10	50x100	9125.00	970.00	B-19	164.4	155.0	44200	4300	3.3	23.2	BC10	350	158	30	125	8	R32	9060
C11	50x100	9425.00	970.00	B-20	171.7	160.0	61400	3600	2.9	28.5	BC11	350	158	30	125	8	R32	9060
C12	65x100	9725.00	970.00	B-21	236.3	193.3	76600	5000	4.0	34.5	BC12	254	254	30	110	9	R32	9075
C13	65x100	10025.00	970.00	B-22	218.8	201.2	77800	5800	2.9	35.0	BC13	254	254	30	110	9	R32	9075
C14	50x100	10325.00	970.00	B-23	195.8	187.8	63200	1400	1.6	35.0	BC14	350	158	30	125	8	R32	9060
C15	50x100	10625.00	970.00	B-24	179.9	168.5	53300	1000	0.8	24.2	BC15	350	158	30	125	8	R32	9060
C16	30x100	10925.00	970.00	B-25	60.1	55.0	5400	1000	0.9	3.3	BC16	158	62	30	75	2	R32	9110
PI	48x40	2435.00	1280.00	A-2	2.1	0	0	0	0.2	0.2	B1	62	62	30	75	1	R32	910
PI2	48x40	2735.00	1280.00	A-3	2.6	0.9	0	0	0.1	0.2	B2	158	62	30	75	2	R32	910
PI3	48x40	3035.00	1280.00	A-4	2.6	0	0	0	0.1	0.2	B3	158	62	30	75	2	R32	910
PI4	48x40	3335.00	1280.00	A-5	2.6	0.5	0	0	0.1	0.2	B4	158	62	30	75	2	R32	910
PI5	48x40	3635.00	1280.00	A-6	2.6	0.3	0	0	0.1	0.2	B5	158	62	30	75	2	R32	910
PI6	48x40	3935.00	1280.00	A-7	2.7	0	0	0	0.1	0.2	B6	158	62	30	75	2	R32	910
PI7	48x40	4235.00	1280.00	A-8	2.7	0.0	0	0	0.1	0.2	B7	158	62	30	75	2	R32	910
PI8	48x40	4535.00	1280.00	A-9	1.5	0	0	0	0.2	0.2	B8	158	62	30	75	2	R32	910
PI9	48x40	4835.00	1280.00	A-10	2.1	-0.9	0	0	0.2	0.2	B9	158	62	30	75	2	R32	910
PI10	48x40	5135.00	1280.00	A-11	2.5	-0.4	0	0	0.1	0.1	B10	158	62	30	75	2	R32	910
PI11	48x40	5435.00	1280.00	A-12	2.6	0	0	0	0.1	0.2	B11	158	62	30	75	2	R32	910
PI12	48x40	5735.00	1280.00	A-13	2.6	0.3	0	0	0.1	0.2	B12	158	62	30	75	2	R32	910
PI13	48x40	6035.00	1280.00	A-14	2.6	0.5	0	0	0.1	0.2	B13	158	62	30	75	2	R32	910
PI14	48x40	6335.00	1280.00	A-15	2.6	0.7	0	0	0.1	0.2	B14	158	62	30	75	2	R32	910
PI15	48x40	6635.00	1280.00	A-16	2.6	0.9	0	0	0.1	0.2	B15	158	62	30	75	2	R32	910
PI16	48x40	6935.00	1280.00	A-17	2.1	0	0	0	0.2	0.2	B16	62	62	30	75	1	R32	910
PI17	30x80	7195.00	950.00	B-1	3.0	2.0	1600	100	0.2	0.5	B17	62	62	30	75	1	R32	910
PI18	30x80	7455.00	950.00	B-2	2.1	0	0	0	0.2	0.6	B18	62	62	30	75	1	R32	910
PI19	30x80	7715.00	950.00	B-3	10.2	8.4	1000	200	0.2	0.6	B19	62	62	30	75	1	R32	910
PI20	30x80	7975.00	950.00	B-4	12.8	10.8	1000	200	0.2	0.6	B20	158	62	30	75	2	R32	910
PI21	30x80	8235.00	950.00	B-5	15.2	13.1	1200	200	0.2	0.6	B21	158	62	30	75	2	R32	910
PI22	30x80	8495.00	950.00	B-6	17.6	15.2	1300	200	0.2	0.6	B22	158	62	30	75	2	R32	910
PI23	30x80	8755.00	950.00	B-7	19.6	16.9	1300	200	0.2	0.5	B23	158	62	30	75	2	R32	910
PI24	30x80	9015.00	950.00	B-8	21.6	18.6	1300	200	0.2	0.5	B24	158	62	30	75	2	R32	910
PI25	48x80	9275.00	950.00	B-9	31.7	27.0	2700	400	0.3	1.2	B25	158	62	30	75	2	R32	910
PI26	48x80	9535.00	950.00	B-10	43.0	36.4	1600	2400	2.2	1.1	B26	158	62	30	75	2	R32	910
PI27	30x80	9795.00	950.00	B-11	25.9	22.8	1700	1000	1.0	0.7	B27	158	62	30	75	2	R32	910
PI28	30x80	10055.00	950.00	B-12	23.6	18.0	1500	900	0.9	0.5	B28	158	62	30	75	2	R32	910
PI29	30x80	10315.00	950.00	B-13	17.7	15.2	1300	900	0.8	0.5	B29	158	62	30	75	2	R32	910
PI30	30x80	10575.00	950.00	B-14	15.2	13.1	1200	800	0.8	0.6	B30	158	62	30	75	2	R32	910
PI31	30x80	10835.00	950.00	B-15	10.9	9.9	1000	100	0.7	0.6	B31	158	62	30	75	2	R32	910
PI32	30x80	11095.00	950.00	B-16	10.3	8.5	1000	700	0.7	0.6	B32	62	62	30	75	1	R32	910
PI33	30x80	11355.00	950.00	B-17	8.0	6.5	1000	700	0.6	0.6	B33	62	62	30	75	1	R32	910
PI34	30x80	11615.00	950.00	B-18	3.2	2.2	1600	700	0.7	0.5	B34	62	62	30	75	1	R32	910
PI35	30x80	11875.00	950.00	B-19	3.2	2.2	1600	700	0.7	0.5	B35	62	62	30	75	1	R32	910
PI36	30x80	12135.00	950.00	B-20	5.0	6.3	1000	700	0.6	0.6	B36	62	62	30	75	1	R32	910
PI37	30x80	12395.00	950.00	B-21	10.3	8.5	1000	700	0.7	0.6	B37	62	62	30	75	1	R32	910
PI38	30x80	12655.00	950.00	B-22	12.9	10.9	1000	800	0.7	0.6	B38	158	62	30	75	2	R32	910
PI39	30x80	12915.00	950.00	B-23	15.2	13.1	1200	800	0.8	0.6	B39	158	62	30	75	2	R32	910
PI40	30x80	13175.00	950.00	B-24	17.7	15.2	1300	800	0.8	0.5	B40	158	62	30	75	2	R32	910
PI41	30x80	13435.00	950.00	B-25	17.9	15.9	1300	900	0.9	0.5	B41	158	62	30	75	2	R32	910
PI42	30x80	13695.00	950.00	B-26	25.8	22.8	1700	1000	1.0	0.7	B42	158	62	30	75	2	R32	910
PI43	48x80	13955.00	950.00	C-9	42.6	42.7	1600	2400	2.2	1.1	B43	158	62	30	75	2	R32	910
PI44	48x80	14215.00	950.00	C-8	31.8	27.1	2700	400	0.3	1.2	B44	158	62	30	75	2	R32	910
PI45	30x80	14475.00	950.00	C-19	21.6	18.6	1300	200	0.2	0.5	B45	158	62	30	75	2	R32	910
PI46	30x80	14735.00	950.00	C-20	19.6	16.9	1300	200	0.2	0.5	B46	158	62	30	75	2	R32	910
PI47	30x80	14995.00	950.00	C-21	17.6	15.2	1300	200	0.2	0.6	B47	158	62	30	75	2	R32	910
PI48	30x80	15255.00	950.00	C-22	13.1	10.8	1000	200	0.2	0.6	B48	158	62	30	75	2	R32	910
PI49	30x80	15515.00	950.00	C-23	12.8	10.8	1000	200	0.2	0.6	B49	158	62	30	75	2	R32	910
PI50	30x80	15775.00	950.00	C-24	10.2	8.4	1000	200	0.2	0.5	B50	62	62	30	75	1	R32	910
PI51	30x80	16035.00	950.00	C-25	7.9	6.2	1000	200	0.2	0.6	B51	62	62	30	75	1	R32	910
PI52	30x80	16295.00	950.00	C-26	3.0	2.0	1600	100	0.2	0.5	B52	62	62	30	75	1	R32	910
PI53	48x40	16555.00	950.00	D-2	2.1	0	0	0	0.2	0.2	B53	62	62	30	75	1	R32	910
PI54	48x40	16815.00	950.00	D-3	2.6	0.9	0	0	0.1	0.2	B54	158	62	30	75	2	R32	910
PI55	48x40	17075.00	950.00	D-4	2.6	0.7	0	0	0.1	0.2	B55	158	62	30	75	2	R32	910
PI56	48x40	17335.00	950.00	D-5	2.6	0.5	0	0	0.1	0.2	B56	158	62	30	75	2	R32	