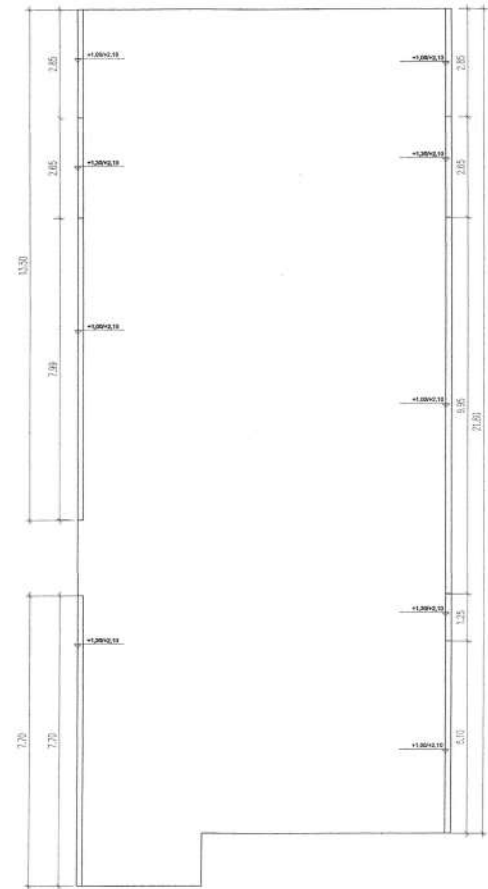
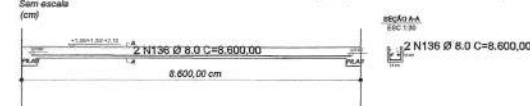


VERGA E CONTRA VERGA
ESQUADRIAS: J1; J2; J3.
Escala 1:100

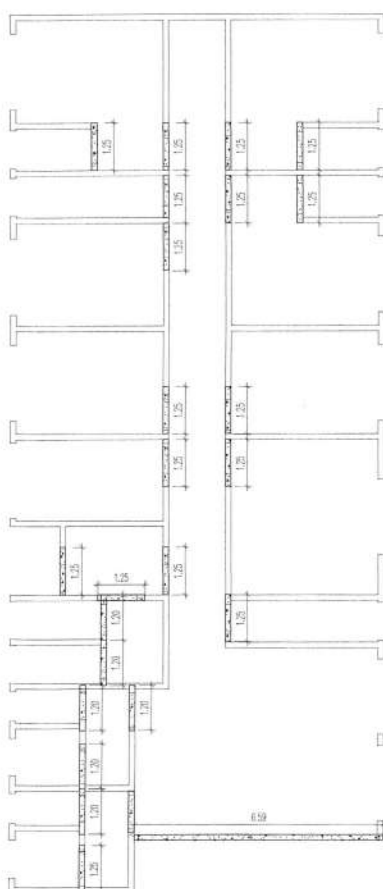


VERGA E CONTRA VERGA

CANALETAS
VERGA E CONTRA VERGA DE J1, J2, J3 = 14 X 14 - 86,00 metros

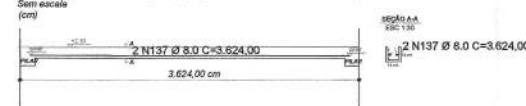


VERGA
ESQUADRIAS: P1; P2; P3; P4.
Escala 1:100

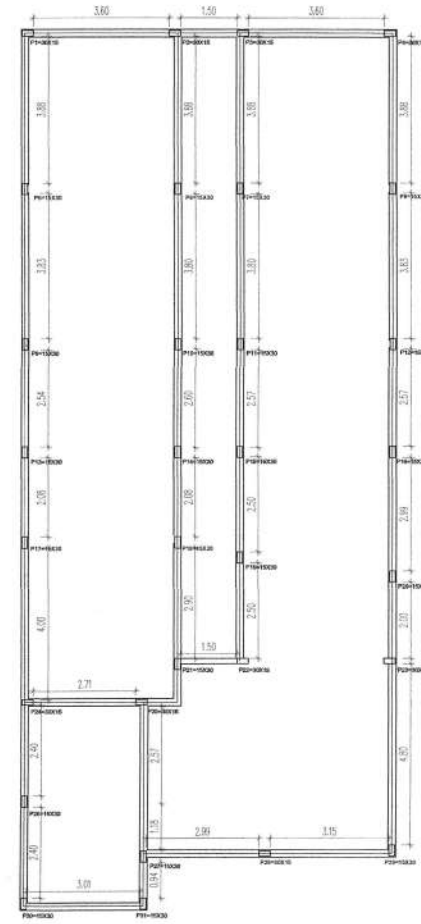


VERGA

CANALETAS
VERGA DE P1, P2, P3, P4 = 14 X 14 - 36,24 metros



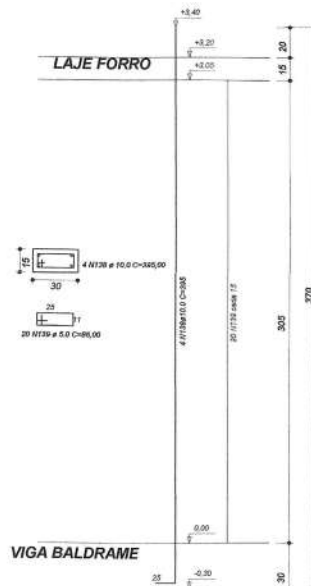
PILARES
Escala 1:25



- PILAR QUE NASCE
- PILAR QUE CONTINUA
- PILAR QUE MORRE

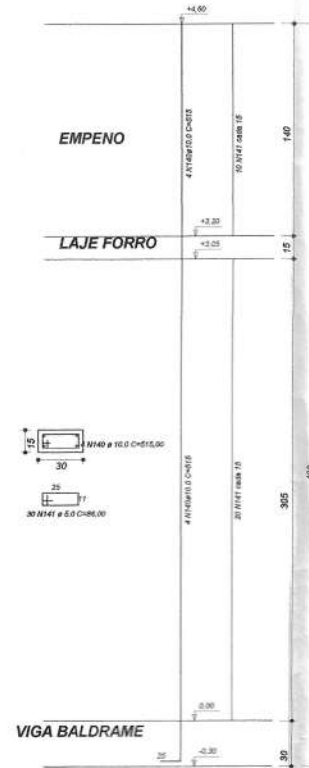
PILAR: X x Y

P1 = P4 = P8 = P9 = P11 = P12 = P13 = P14 =
P15 = P16 = P18 = P19 = P20 = P21 = P25 =
P26 = P29 = P30 = 30X15 (18X)
Escala 1:25



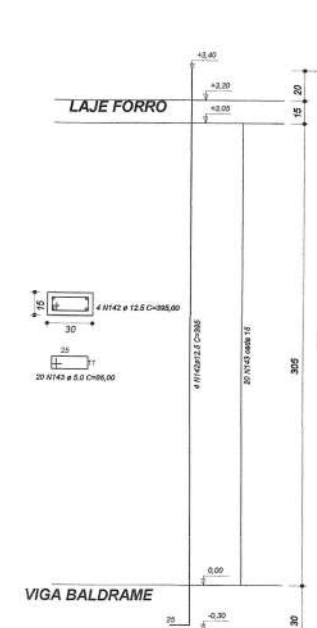
VIGA BALDRAME

P2 = P3 = 30X15 (2X)
Escala 1:25



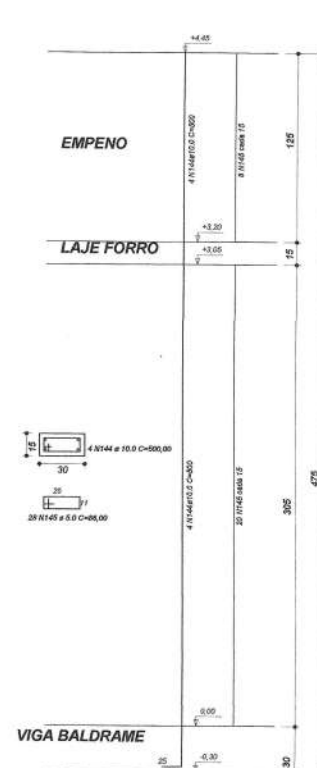
VIGA BALDRAME

P5 = P6 = P7 = P10 = P17 = P22 = P23 = P24 = 30X15 (7X)
Escala 1:25



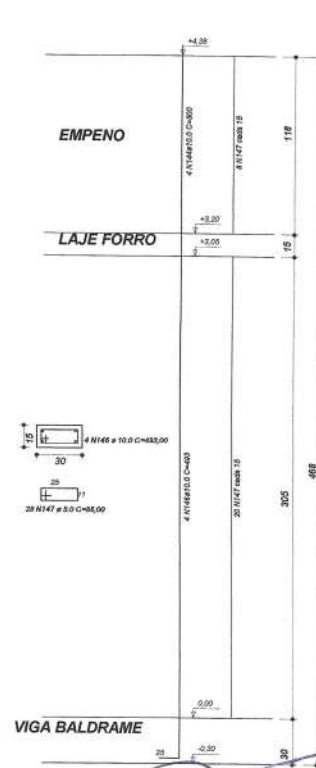
VIGA BALDRAME

P28 = 30X15
Escala 1:25



VIGA BALDRAME

P27 = P31 = 30X15 (2X)
Escala 1:25



VIGA BALDRAME

RELAÇÃO DO AÇO - VERGA / CONTRA VERGA / PILARES					
AÇO	N	DIAM	Q	UNID (cm)	C. TOTAL (cm)
50/60	136	8.0	02	8.600	17.200
	137	8.0	02	3.624	7.248
	138	10.0	72	395	28.440
	139	5.0	360	86	30.960
	140	10.0	08	515	4.120
	141	5.0	60	86	5.160
	142	12.5	32	395	12.540
	143	5.0	160	86	13.760
	144	10.0	04	500	2.000
	145	5.0	28	86	2.408
	146	10.0	08	453	3.624
	147	5.0	56	86	4.816

RELAÇÃO DO AÇO - VERGA / CONTRA VERGA / PILARES				
AÇO	DIAM	C. TOTAL (m)	PESO (kg)	BARRAS (12 m)
CASO(B)	5.0	571,04	91,37	52
	6.3	—	—	—
	8.0	244,48	97,79	23
	10.0	385,04	242,58	36
	12.5	126,40	126,40	12
	16.0	—	—	—
	20.0	—	—	—
Q196	—	—	—	—
Q75	—	—	—	—
Q61	—	—	—	—
H-8	—	—	—	—
PESO TOTAL CASO(B)	—	—	558,14	—

Vol. concreto
Verga / contra verga / Pilares : 7,23 m³
Fck = 300.00 kgf/cm²
Consumo mínimo/cimento: 310kg/m³

Leticia Garbetoti de M.
Engenheira Civil
CREA 506960092

Eng. Civil Alvaro Floriam Gebraier Bellaz
Secretário de Obras e Planejamento

PREFEITURA DO MUNICÍPIO DE TIETÊ
APROVADO

FABIO BONADIA DE SOUZA: 150899 06442859

Assinado de forma digital por FABIO BONADIA DE SOUZA: 15006442859
Dados: 2020.08.26 10:30:08 -03'00'

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BAIRRO ALTOS DO TIETÊ - TIETÊ-S.P.