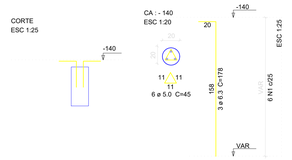
DETALHES DE BLOCOS, ARRANQUES E VIGAS BALDRAME

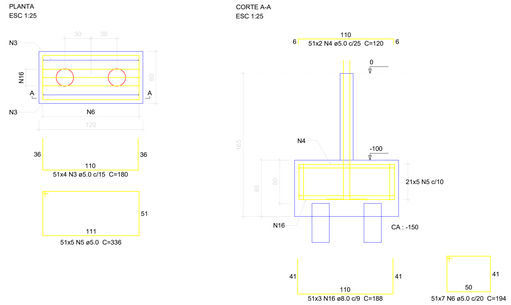
Detalhamento de estacas



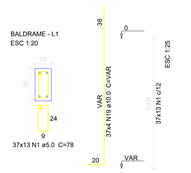
Estacas de 3,50 metros de profundidade

B1=B7=B8=B9=B10=B11=B12=B13=B14=B15=B16=B17=B18=B19=B20
=B21=B22=B23=B24=B25=B26=B27=B28=B29=B30=B31=B37=B39=B42
=B45=B48=B49=B50=B81=B52=B53=B54=B55=B58=B61=B62=B63=B64
=B67=B68=B73=B74=B75=B76=B77=B78

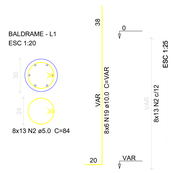
2xC20



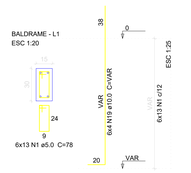
P1=P7=P8=P9=P10=P12=P13=P14=P15=
P16=P19=P21=P22=P23=P24=P25=P27=
P28=P29=P30=P51=P52=P54=P55=P58=
P61=P62=P63=P64=P67=P68



P37=P42=P73=P74=P75=P76=P77=P78



P11=P17=P18=P20=P26=P31=P39=
P45=P48=P49=P50=P53



Relação do aço

51xB1 23xB2 2xB65

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	884	78	68952
	2	5.0	104	84	8736
	3	5.0	204	180	36720
	4	5.0	102	120	12240
	5	5.0	255	336	85680
	6	5.0	357	194	69258
	7	5.0	10	170	1700
	8	5.0	10	170	1700
	9	5.0	20	110	2200
	10	5.0	10	416	4160
	11	5.0	131	VAR	VAR
	12	5.0	138	VAR	VAR
	13	5.0	115	366	42090
	14	5.0	138	VAR	VAR
	15	5.0	138	VAR	VAR
CA50	16	8.0	153	188	28764
	17	8.0	207	180	37260
	18	8.0	12	VAR	VAR
	19	10.0	366	VAR	VAR
	20	10.0	4	75	300

Resumo do aço

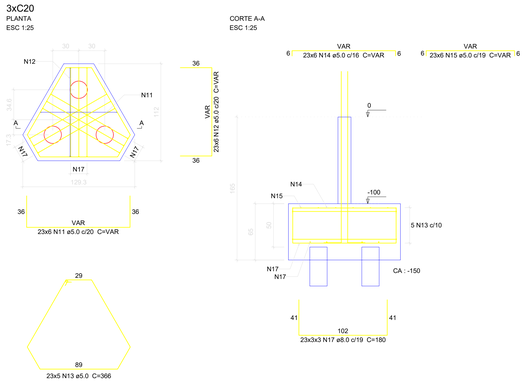
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	681.9	296.3
	10.0	750.3	509.23
CA60	5.0	4177.54	707.6

PESO TOTAL (kg)	
CA50	805,53
CA60	707.6

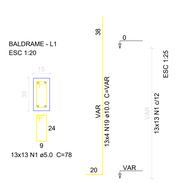
Volume de concreto (C-25) = 53,58 m³
Área de forma = 242,79 m²

B2=B3=B4=B5=B6=B32=B33=B34=B35=B36
B38=B40=B41=B43=B44=B46=B47=B56=B57
B59=B60=B66=B69

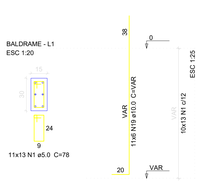
3xC20



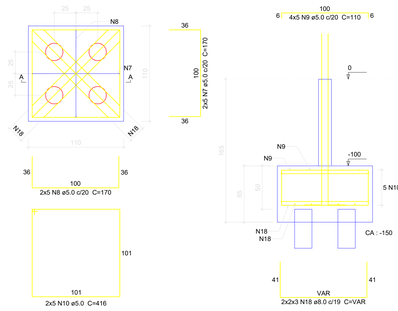
P2=P3=P4=P5=P6=P46=P47=P56=
P57=P59=P66=P69



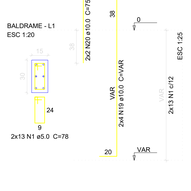
P32=P33=P34=P35=P36=P38
P40=P41=P43=P44=P60



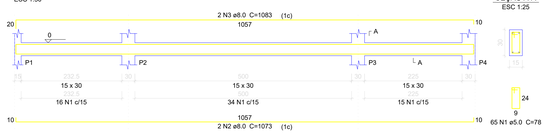
B65=B70
4xC20



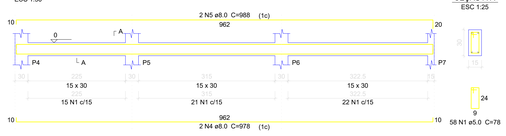
P65=P70



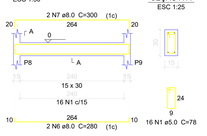
VB 1



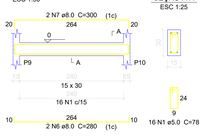
VB 2



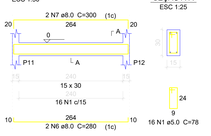
VB 3



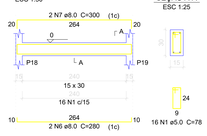
VB 4



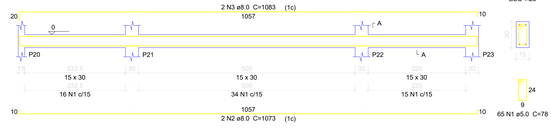
VB 5



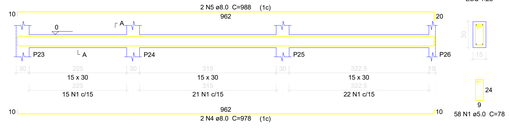
VB 6



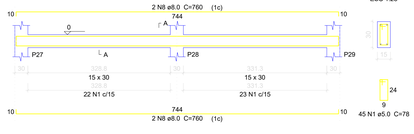
VB 7



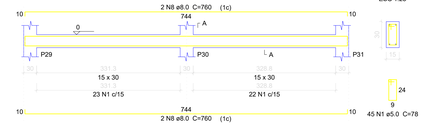
VB 8



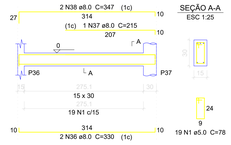
VB 9



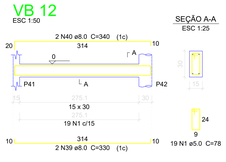
VB 10



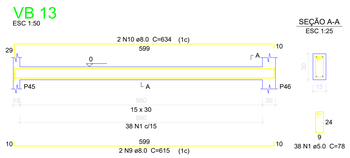
VB 11



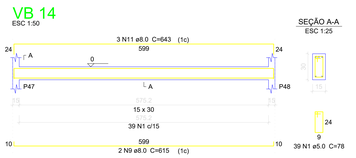
VB 12



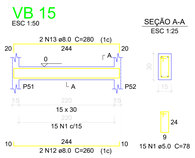
VB 13



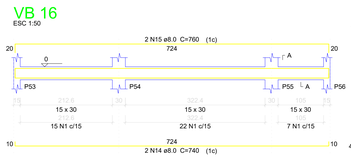
VB 14



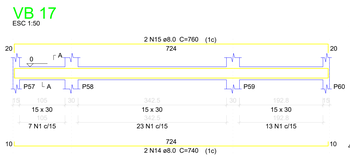
VB 15



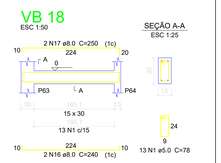
VB 16



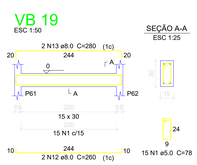
VB 17



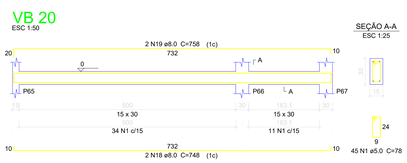
VB 18



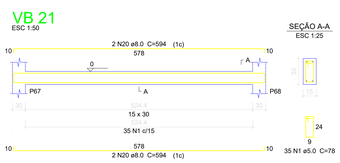
VB 19



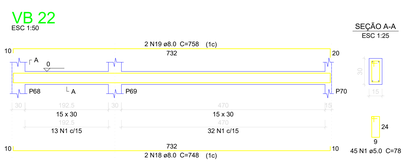
VB 20



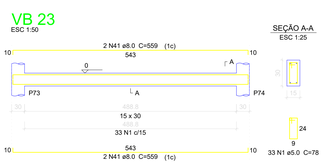
VB 21



VB 22



VB 23



PROJETO ESTRUTURAL

MUNICÍPIO DE INÁCIO MARTINS

OBRA
CENTRO DE CONVIVENCIA DO IDOSO

TÍTULO
- Detalhes de Estacas
- Detalhes de Blocos
- Detalhes de Arranques
- Detalhes de Vigas Baldrame

DATA
NOV/2025
ÁREA TOTAL
1000.00 m²
ESCALA
INDICADA
FOLHA
03 / 11

MUNICÍPIO DE INÁCIO MARTINS
PROPRIETÁRIO

EDSON DOS SANTOS PERI
CREA/PR-130743/D