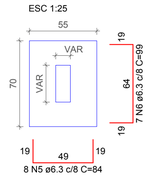
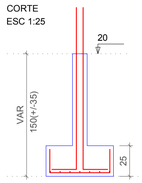
S1=S2=S3=S4=S5=S6=S7=S8=S9=S10=S11=S13 =S21

PLANTA
ESC 1:25



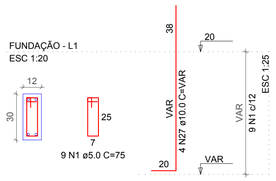
CORTE
ESC 1:25



Solo com capacidade de suporte > 2.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

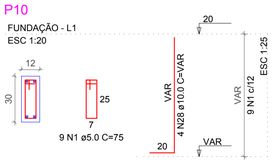
P1=P2=P3=P4=P5=P6=P7=P8=P13= =P21

FUNDAÇÃO - L1
ESC 1:20



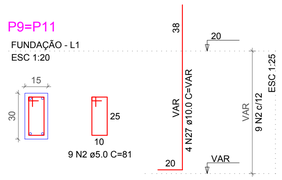
P10

FUNDAÇÃO - L1
ESC 1:20



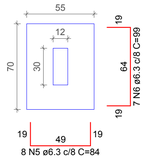
P9=P11

FUNDAÇÃO - L1
ESC 1:20

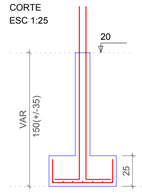


S12=S14=S15=S20

PLANTA
ESC 1:25



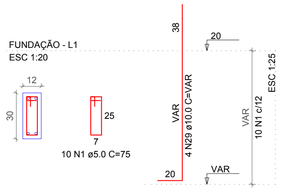
CORTE
ESC 1:25



Solo com capacidade de suporte > 2.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

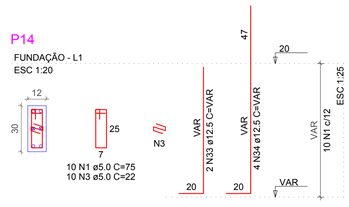
P12=P15=P20

FUNDAÇÃO - L1
ESC 1:20



P14

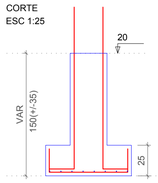
FUNDAÇÃO - L1
ESC 1:20



S16

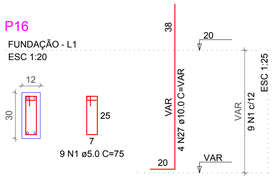
PLANTA
ESC 1:25

CORTE
ESC 1:25



P16

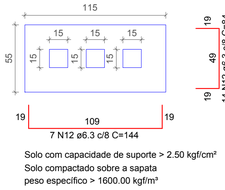
FUNDAÇÃO - L1
ESC 1:20



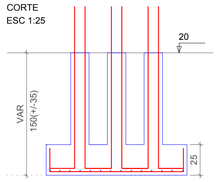
Solo com capacidade de suporte > 2.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

S17, 18 e 19

PLANTA
ESC 1:25



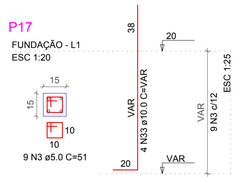
CORTE
ESC 1:25



Solo com capacidade de suporte > 2.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

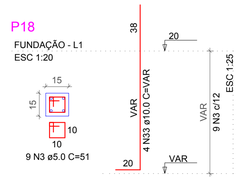
P17

FUNDAÇÃO - L1
ESC 1:20



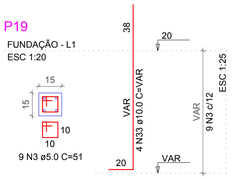
P18

FUNDAÇÃO - L1
ESC 1:20



P19

FUNDAÇÃO - L1
ESC 1:20



RELAÇÃO DO AÇO

10xP1	2xP9	P10
3xP12	P14	P16
P19	13xS1	4xS12
S16	S19	VF1
VF2	VF3	VF4
VF5	VF6	VF7
VF8	VF9	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	533	51	27075
	2	5.0	18	81	1458
	3	5.0	10	22	220
	4	5.0	10	51	510
CA50	5	6.3	158	84	13272
	6	6.3	126	99	12474
	7	6.3	14	104	208
	8	8.0	6	907	5442
	9	8.0	2	188	376
	10	8.0	2	209	418
	11	8.0	2	750	1500
	12	8.0	2	756	1512
	13	8.0	2	923	1846
	14	8.0	2	353	706
	15	8.0	2	365	730
	16	8.0	58	76	4408
	17	8.0	2	915	1830
	18	8.0	1	108	108
	19	8.0	1	160	160
	20	8.0	2	921	1842
	21	8.0	2	1033	2066
	22	8.0	2	1071	2142
	23	8.0	2	761	1522
	24	8.0	2	849	1698
	25	8.0	2	380	760
	26	8.0	2	386	772
	27	10.0	5	VAR	VAR
	28	10.0	4	VAR	VAR
	29	10.0	12	VAR	VAR
	30	10.0	1	180	180
	31	10.0	2	1198	2396
	32	10.0	2	506	1012
	33	12.5	2	VAR	VAR
	34	12.5	4	VAR	VAR

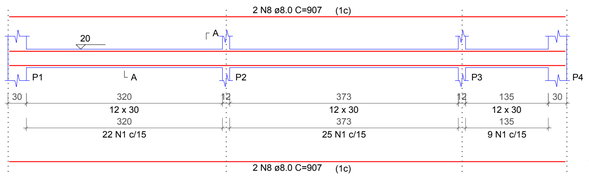
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	259.5	69.9
	8.0	298.4	129.5
	10.0	145.5	98.7
	12.5	9.2	9.7
CA60	5.0	421.1	71.4
PESO TOTAL (kg)			
CA50	307.8		
CA60	71.4		

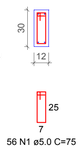
Volume de concreto (C-25) = 5.04 m³
Área de forma = 78.47 m²

VF1

ESC 1:50

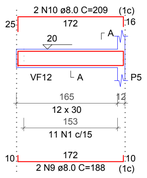


SEÇÃO A-A
ESC 1:25

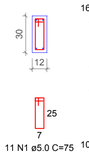


VF2

ESC 1:50

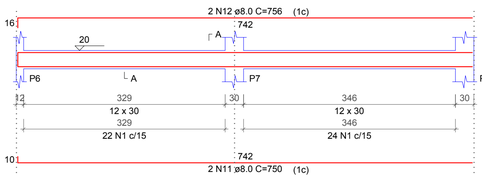


SEÇÃO A-A
ESC 1:25

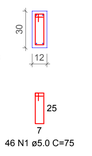


VF3

ESC 1:50

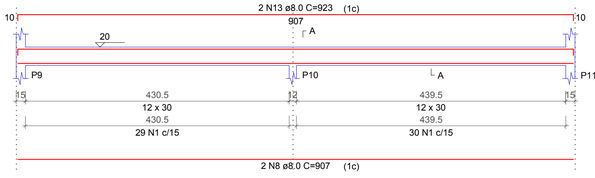


SEÇÃO A-A
ESC 1:25

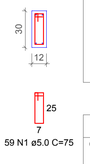


VF4

ESC 1:50

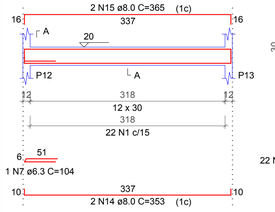


SEÇÃO A-A
ESC 1:25

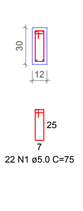


VF5

ESC 1:50

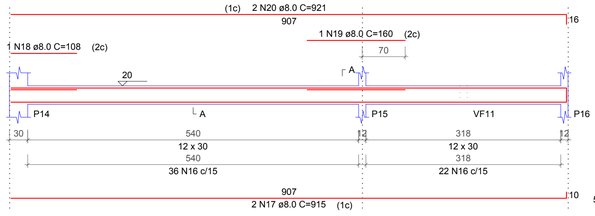


SEÇÃO A-A
ESC 1:25

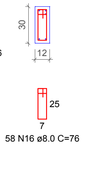


VF6

ESC 1:50



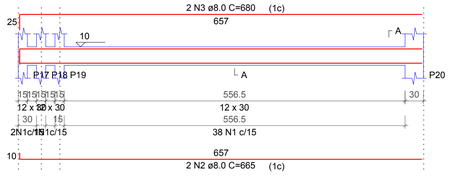
SEÇÃO A-A
ESC 1:25



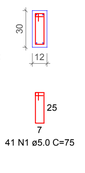
FUNDAÇÃO

VF7

ESC 1:50



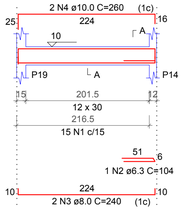
SEÇÃO A-A
ESC 1:25



FUNDAÇÃO

VF8

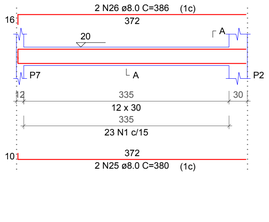
ESC 1:50



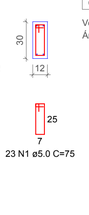
SEÇÃO A-A
ESC 1:25

VF9

ESC 1:50

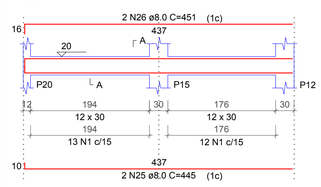


SEÇÃO A-A
ESC 1:25

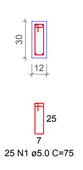


VF10

ESC 1:50

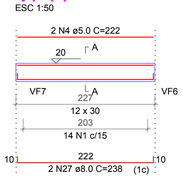


SEÇÃO A-A
ESC 1:25

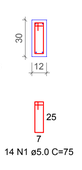


VF11

ESC 1:50

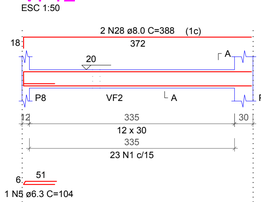


SEÇÃO A-A
ESC 1:25

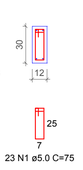


VF12

ESC 1:50

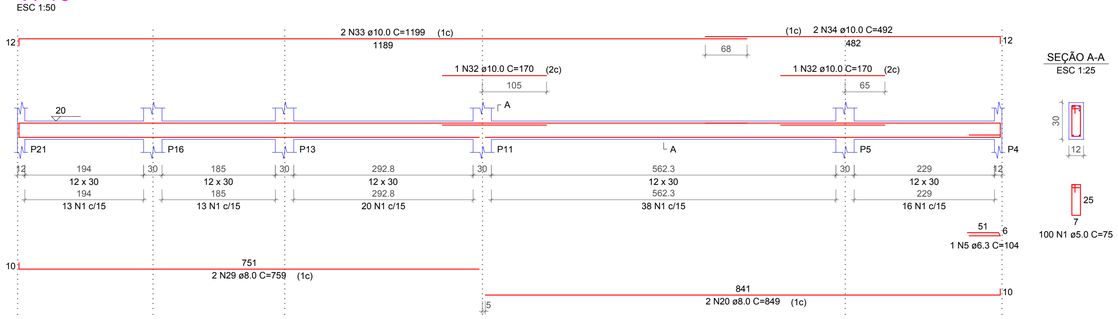


SEÇÃO A-A
ESC 1:25



VF13

ESC 1:50

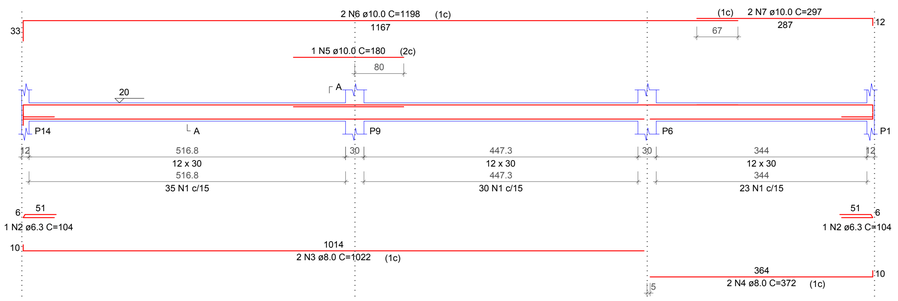


SEÇÃO A-A
ESC 1:25

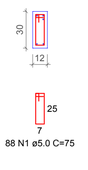
FUNDAÇÃO

VF14

ESC 1:50



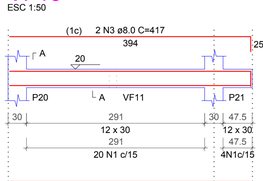
SEÇÃO A-A
ESC 1:25



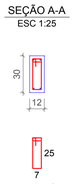
FUNDAÇÃO

VF15

ESC 1:50



SEÇÃO A-A
ESC 1:25



Prefeitura Municipal de Francisco Beltrão

OBRA:
CENTRO CULTURAL SECÇÃO PROGRESSO

LOCAL DA OBRA:
LOTE: 30 GLEBA 48 - FB

MUNICÍPIO / CIDADE:
FRANCISCO BELTRÃO

ESTADO:
PARANÁ

REFERÊNCIA:
SAPATAS
PILARES / ARRANQUES FUNDAÇÕES
VIGAS PAVIMENTO FUNDAÇÕES

RESPONSÁVEL TÉCNICO / AUTOR DO PROJETO:
ANDRESSA THAÍS NESI - CREA 171.433-D-PR

ÁREA:
147,40 m²

Nº DO PROJETO:

DATA:
JUL. / 2020

DESENHO:
ANDRESSA T. NESI

ESCALA:
INDICADA

REVISÃO:

PROJETO TIPO:
EST

PRANCHA Nº.:
03
04