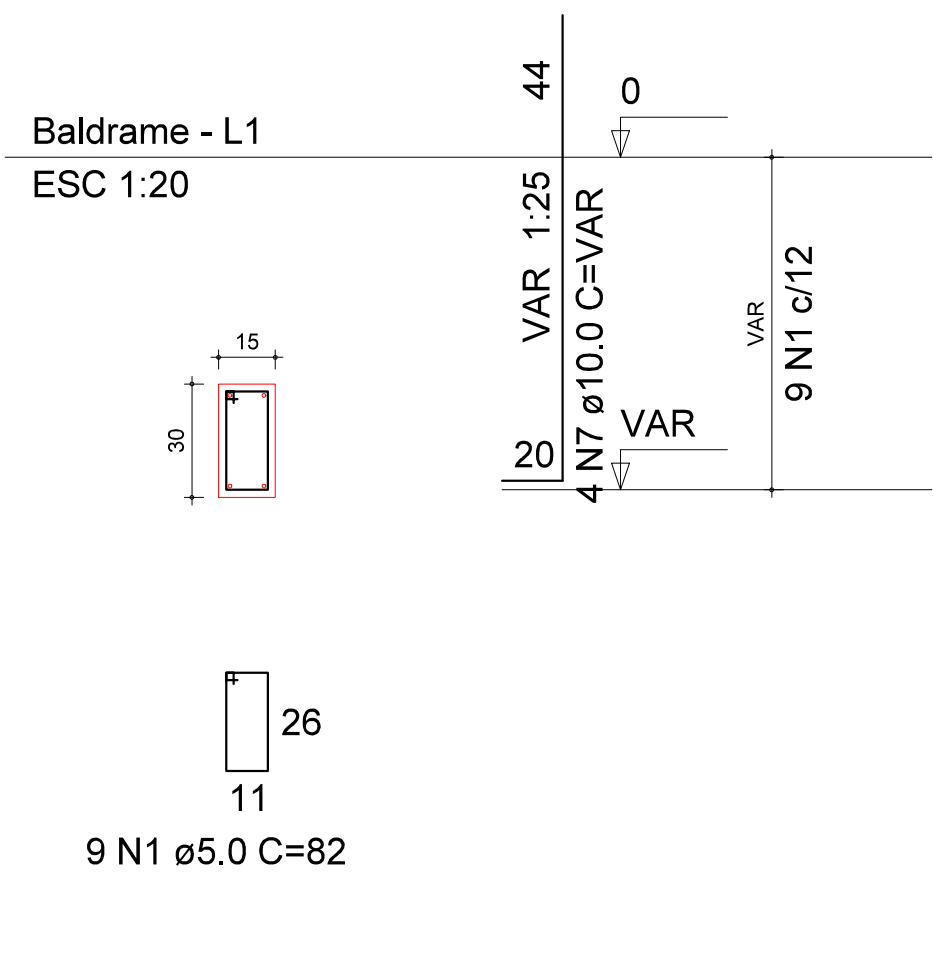
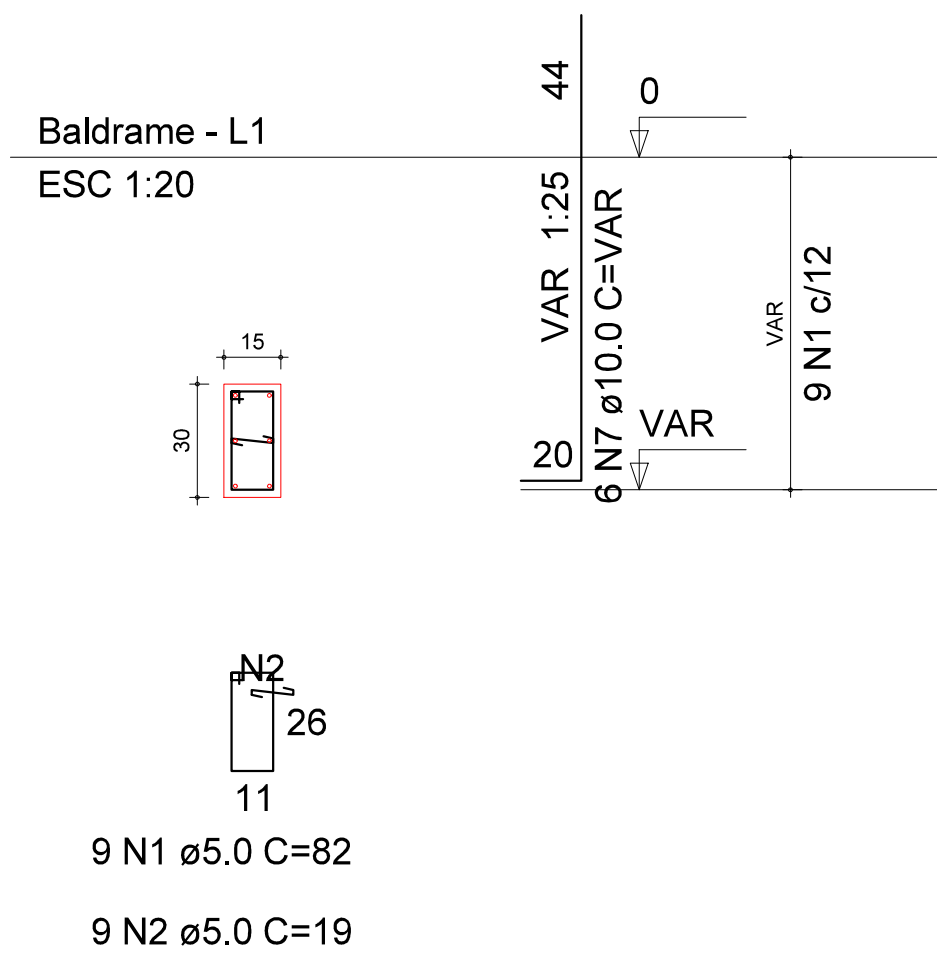


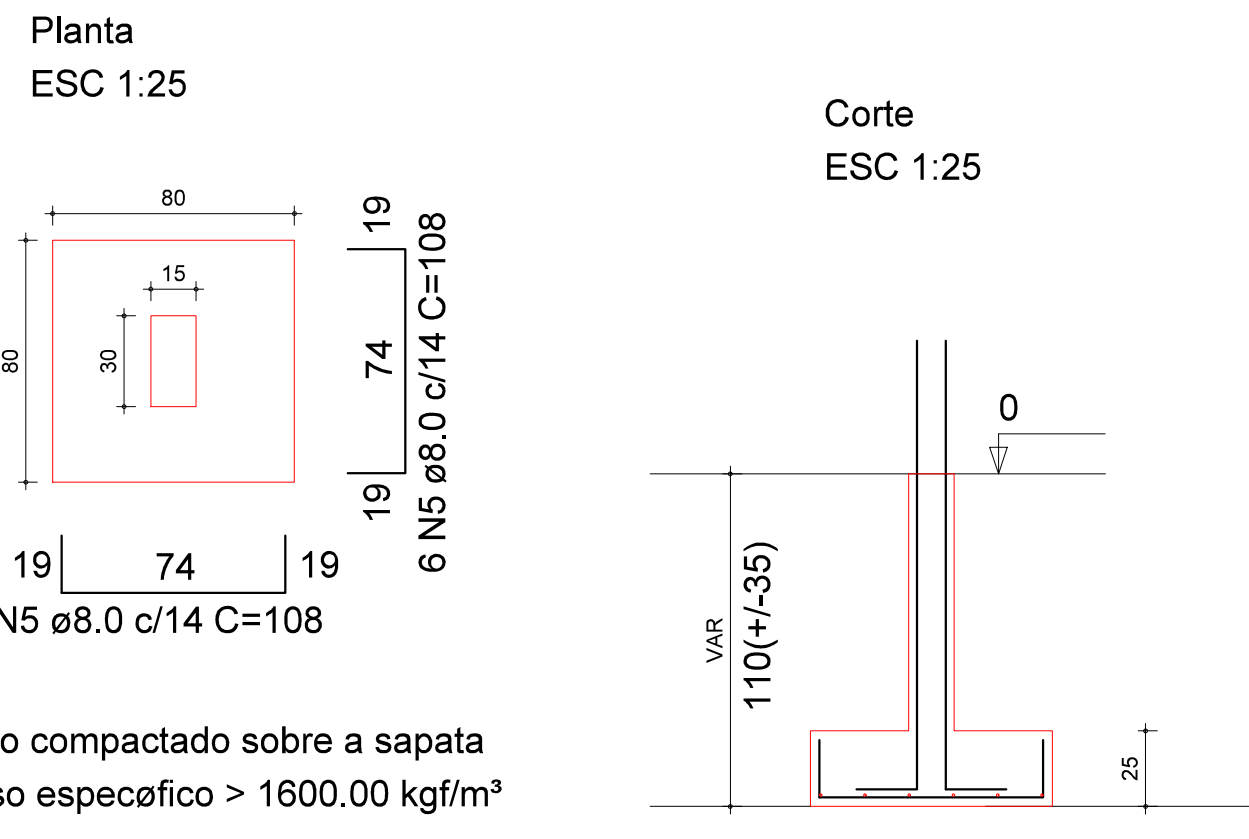
P1=P5=P13=P17



P2=P4=P10=P12



S1=S2=S4=S5=S10=S12=S13=S17



RESUMO DO AÇO

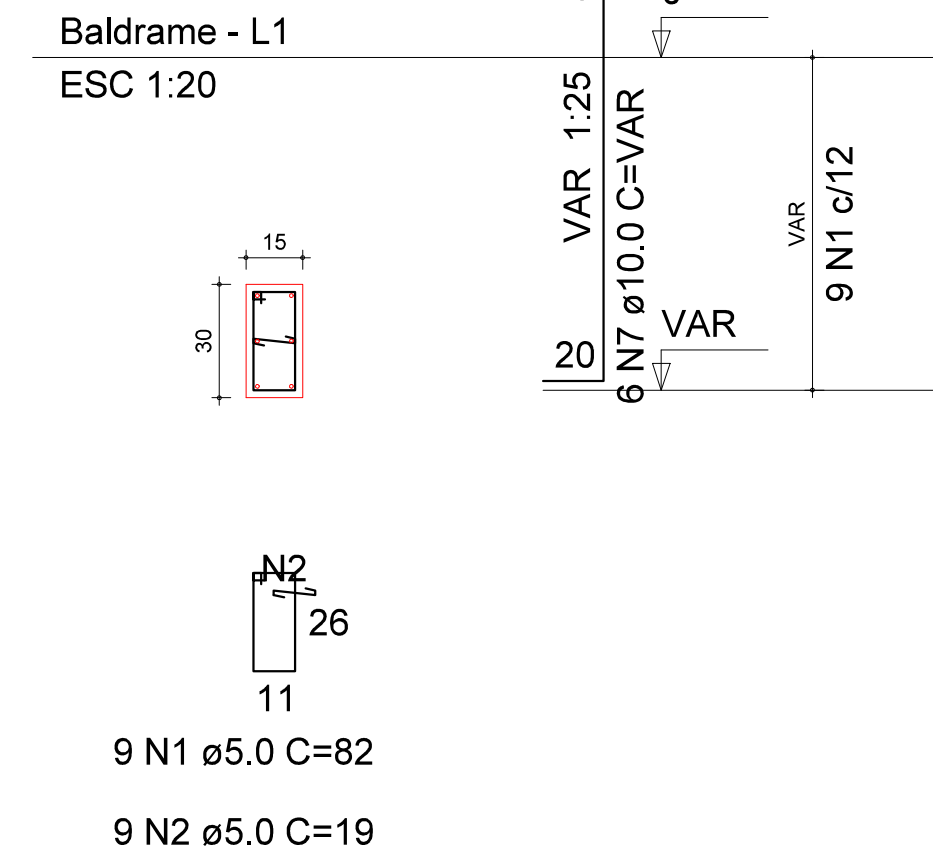
AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	8.0	242.6	105.5
	10.0	113.3	76.9
	12.5	39.5	41.8
CA60	5.0	134.7	22.8
PESO TOTAL			
CA50	224.2		
CA60	22.8		

Vol. concreto total = 4.47 m³
Área de forma total = 33.00 m²
fck = 200.00 kgf/cm²

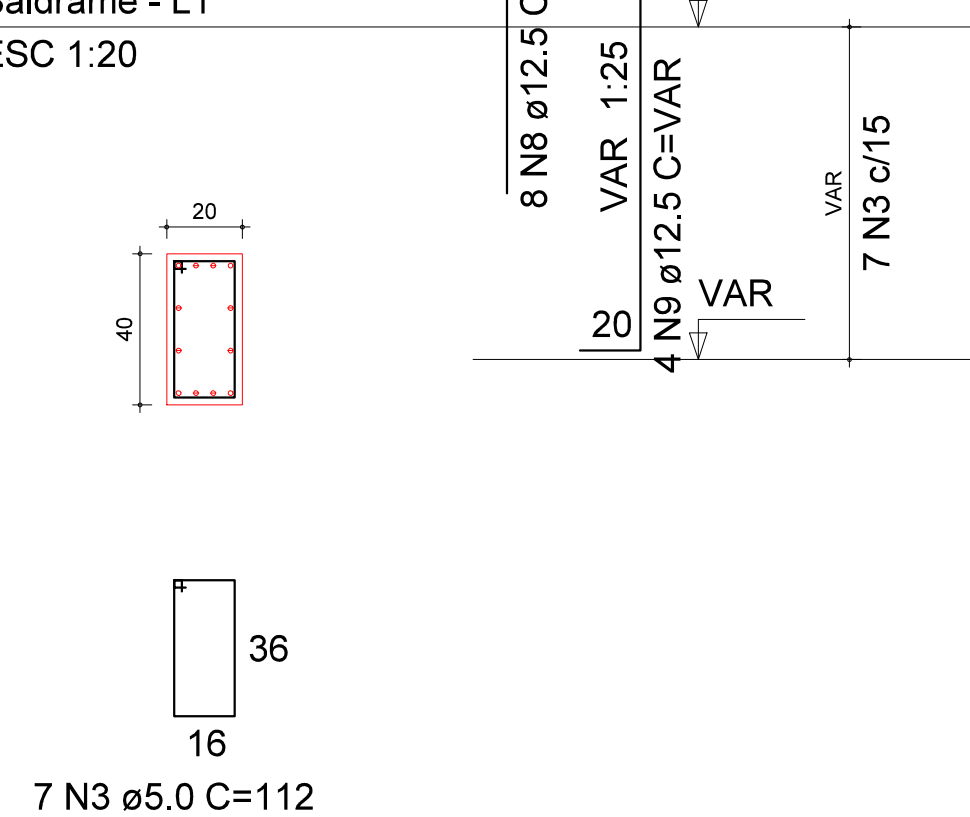
RELAÇÃO DO AÇO

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	126	82	10332
	2	5.0	45	19	855
	3	5.0	14	112	1568
50	4	5.0	7	92	644
	5	8.0	96	108	10368
	6	8.0	108	128	13824
	7	10.0	66	VAR	VAR
	8	12.5	16	110	1760
	9	12.5	12	VAR	VAR

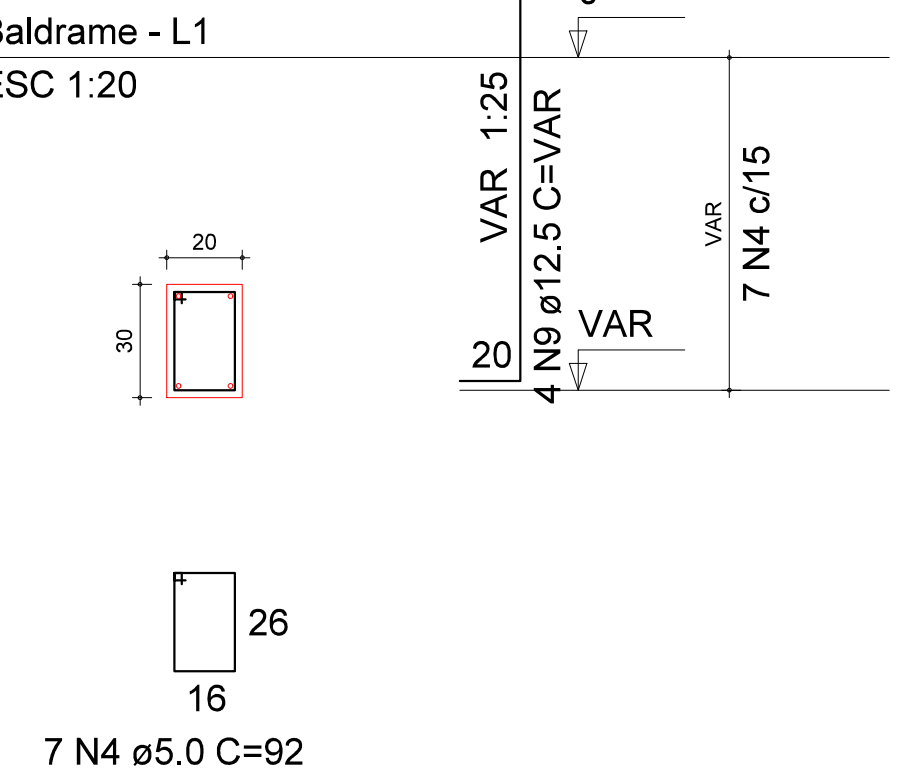
P11



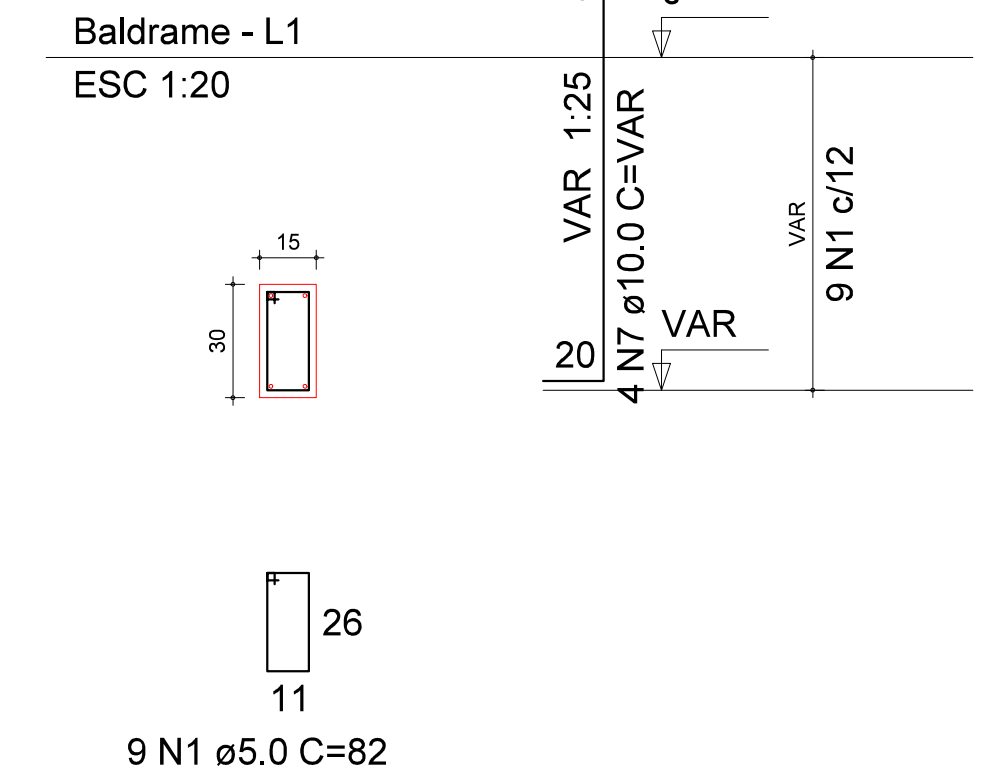
P14=P16



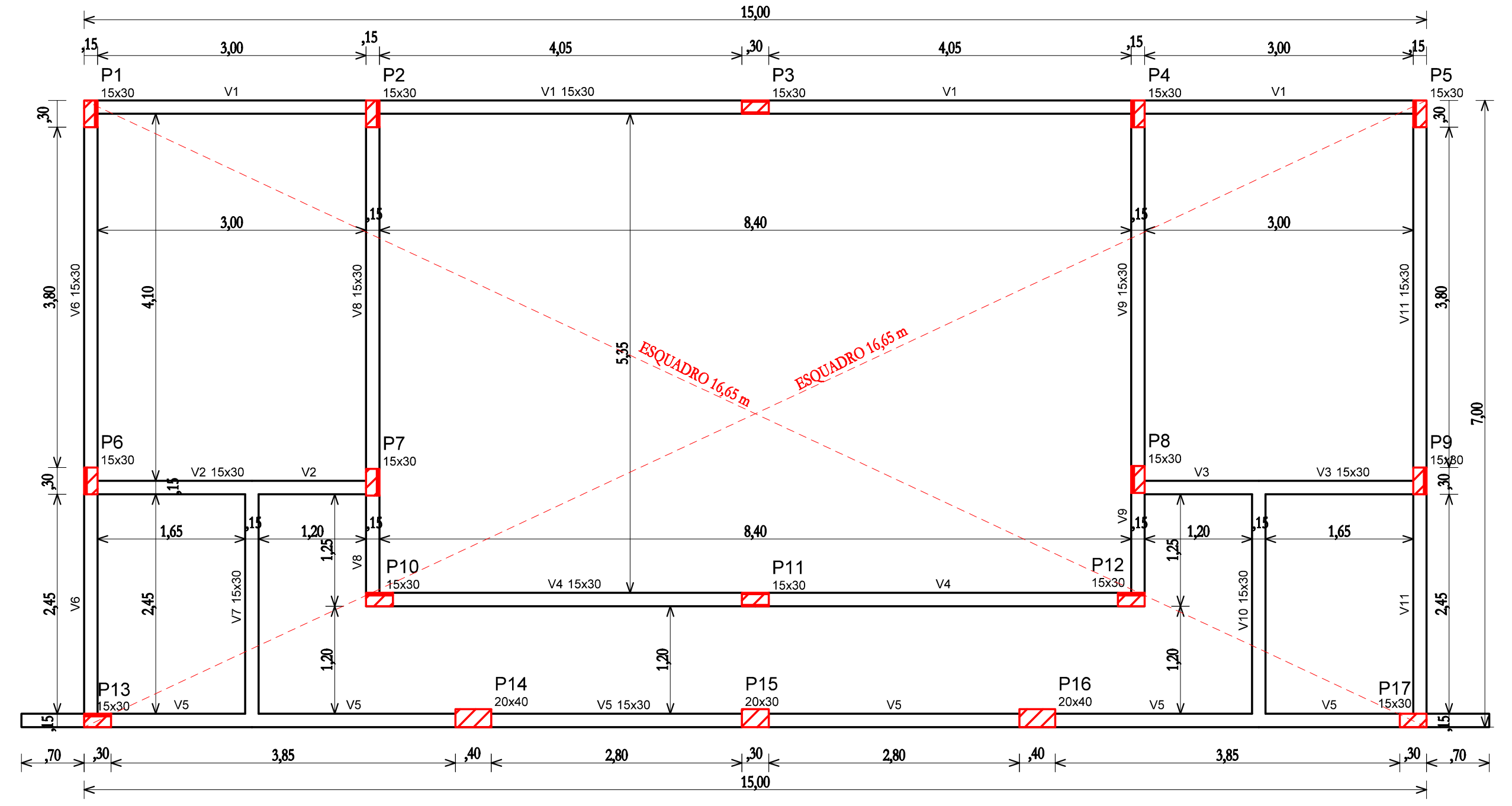
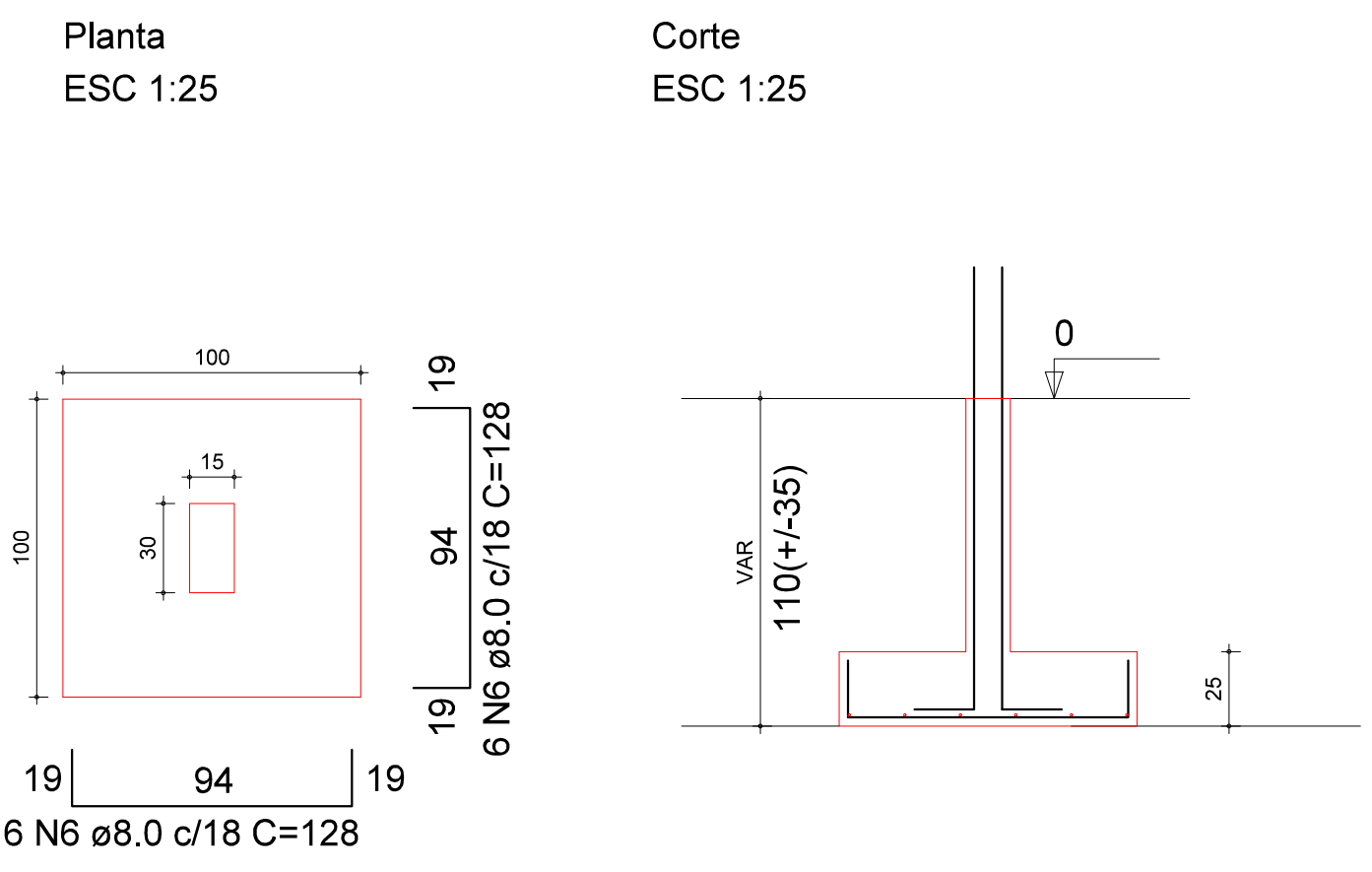
P15



P3=P6=P7=P8=P9



S3=S6=S7=S8=S9=S11=S14=S15=S16



Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x30	0	0
V2	15x30	0	0
V3	15x30	0	0
V4	15x30	0	0
V5	15x30	0	0
V6	15x30	0	0
V7	15x30	0	0
V8	15x30	0	0
V9	15x30	0	0
V10	15x30	0	0
V11	15x30	0	0

Forma do pavimento Baldrame escala 1:50

PREFEITURA MUNICIPAL DE ARARANGUÁ - SC
SECRETARIA DE OBRAS, VIAÇÃO E SERVIÇOS URBANOS
RUA. DR. VIRSOLINO DE OLIVEIRA - CENTRO

ADM. SANDRO R. MACIEL / RODRIGO TURATTI

ARARANGUÁ
Cidade em expansão

OBRA: ACADEMIA COBERTA	PROJETO: ESTRUTURAL
LOCAL: BAIRRO JARDIM DAS AVENIDAS AVENIDA VEREADOR MANOEL COSTA	FASE: 1
RESP. TECNICO:	EXTENSÃO:
ASSUNTO: - DETALHAMENTO SAPATAS - FORMAS DO BALDRAME	DATA: AGOSTO / 2013
	LEVANTAMENTO:
	DESENHO: 1
	PROJETO: 1
	FRANQUIA: