Relação do aço

Cobertura:	8xP1	2xP2
	2xP4	P7
	VC101	VC102
	VC103	VC104
	VC105	
Inferior:	S7	3xS10
	2xS12	2xS13
	VB101	VB102
	VB103	VB104
	VB105	
Superior:	2xP2	5xP3
	P7	2xS1
	2xS4	S6
	V101	V102
	V103	V104
	V105	V106

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	192	88	16896
	2	5.0	1038	76	78888
	3	5.0	20	29	580
	4	5.0	57	106	6042
	5	5.0	289	96	27744
	6	5.0	78	23	1794
	7	5.0	46	23	1058
	8	5.0	58	148	8584
CA50	9	6.3	8	1190	9520
	10	8.0	40	138	5520
	11	8.0	6	428	2568
	12	8.0	2	190	380
	13	8.0	4	436	1744
	14	8.0	12	831	9972
	15	8.0	2	1198	2396
	16	8.0	2	1078	2156
	17	8.0	2	179	358
	18	8.0	6	865	5190
	19	8.0	4	1190	4760
	20	8.0	4	1087	4348
	21	8.0	4	175	700
	22	10.0	28	356	9968
	23	10.0	26	172	4472
	24	10.0	20	182	3640
	25	10.0	60	167	10020
	26	10.0	2	438	876
	27	10.0	2	899	1798
	28	10.0	2	293	586
	29	10.0	12	210	2520
	30	10.0	12	127	1524
	31	10.0	12	137	1644
	32	10.0	22	127	2794
	33	10.0	14	197	2758
	34	10.0	12	147	1764
	35	10.0	8	212	1696
	36	10.0	28	318	8904
	37	10.0	6	841	5046
	38	10.0	4	1088	4352
	39	10.0	2	209	418
	40	10.0	2	204	408
	41	10.0	40	277	11080
	42	12.5	6	364	2184
	43	12.5	3	610	1830
	44	12.5	3	595	1785
	45	12.5	2	1093	2186
	46	12.5	2	216	432
	47	12.5	6	327	1962
	48	12.5	3	1082	3246
	49	12.5	3	204	612
	50	12.5	6	277	1662
	51	16.0	16	270	4320
	52	16.0	15	280	4200
	53	16.0	1	320	320
	54	16.0	1	560	560
	55	16.0	2	1200	2400
	56	16.0	4	157	628
	57	16.0	12	220	2640
	58	16.0	1	360	360
	59	16.0	2	1093	2186
	60	16.0	2	247	494
	61	16.0	12	277	3324

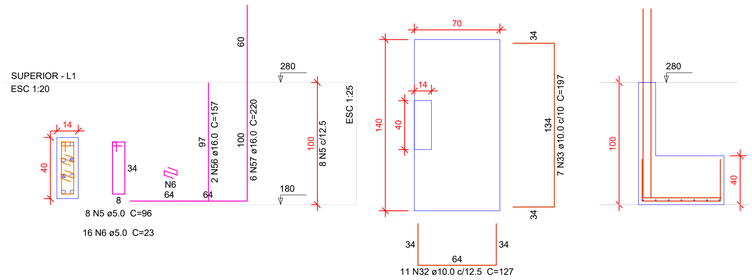
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P4=P9

PLANTA ESC 1:25

CORTE ESC 1:25

SUPERIOR - L1
ESC 1:20



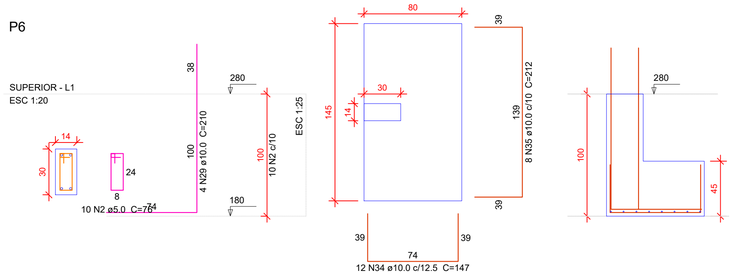
S6

PLANTA ESC 1:25

CORTE ESC 1:25

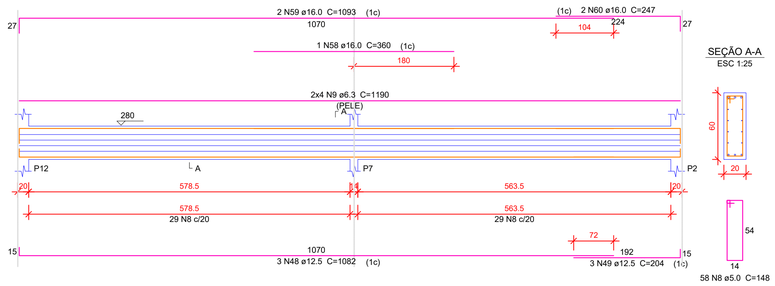
P6

SUPERIOR - L1
ESC 1:20



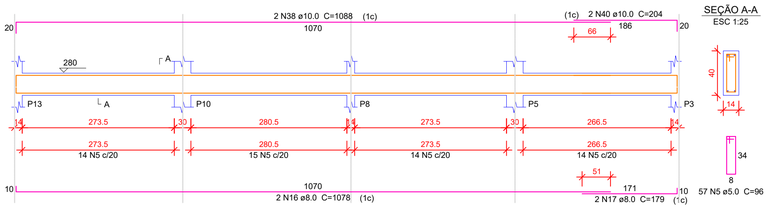
V105 (20 x 60)

ESC 1:50



V106 (14 x 40)

ESC 1:50



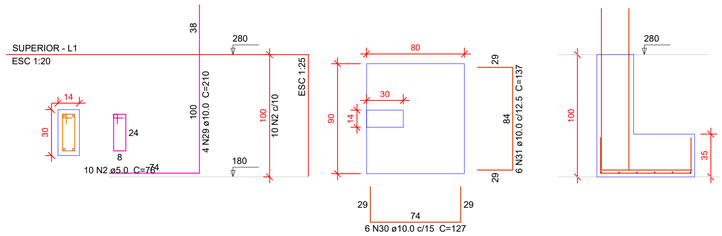
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P1=P11

PLANTA ESC 1:25

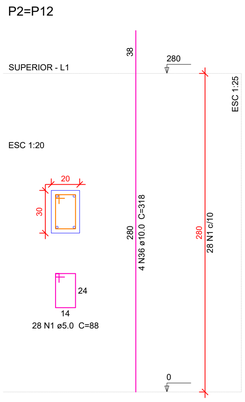
CORTE ESC 1:25

SUPERIOR - L1
ESC 1:20



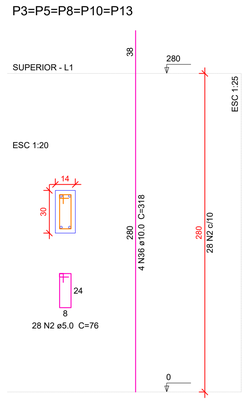
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SUPERIOR - L1
ESC 1:20



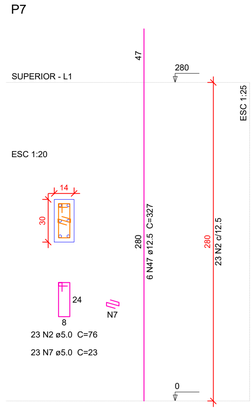
P3=P5=P8=P10=P13

SUPERIOR - L1
ESC 1:20



P7

SUPERIOR - L1
ESC 1:20



Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	95.2	25.6
	8.0	401	174
	10.0	762.7	517.2
	12.5	159	168.5
	16.0	214.4	372.1
CA60	5.0	1415.9	240.1
PESO TOTAL			
CA50	1257.5		
CA60	240.1		

Vol. de concreto total (C-25) = 19.3 m³
Área de forma total = 234.45 m²

APROVAÇÃO:

Engeobra
CREA SC 158.454-0
ENGENHARIA E INFRAESTRUTURA

Rua Primo Tacca, 350, Bairro Tacca - Xanxerê- SC
E-mail:engenharia.engeobra@gmail.com Cel: (49) 9 9976-0226

OBRA:
CRECHE VIRGÍNIA RIBOLI

LOCAL:
Rua Ângelo Piana, s/n, Bairro Primavera

PROJETO:
ESTRUTURAL - SALAS

ESPECIFICAÇÕES:
- Detalhamentos;
- Especificações;
- Dimensionamentos;
- Relação Geral de Aço.

DATA: 06/2020

DESENHO: S.S.O

ÁREA: Indicada

ESCALA: Indicada

PRANCHA: 06 /07

Projeto e Execução:

SAMUEL SPESSATTO OUTEIRO
Engº Civil- CREA SC 133319-7

Proprietário:

Prefeitura Municipal de Xaxim
CNPJ: 82.854.670/0001-30