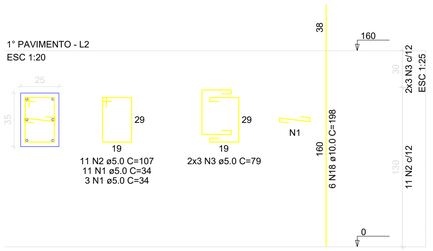
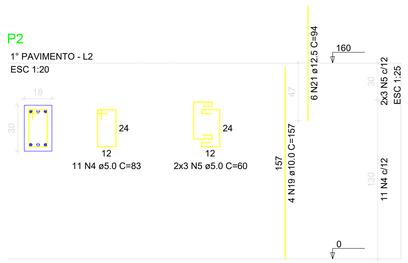
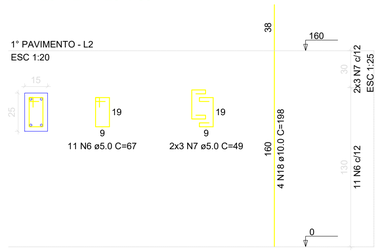
P1=P22=P36=P46=P64



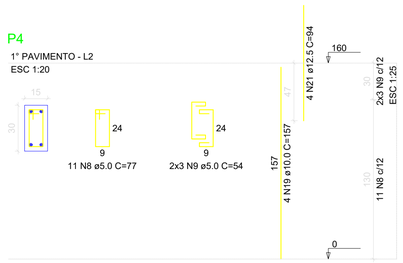
P2



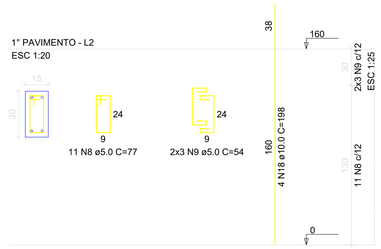
P3=P20=P24=P25=P33



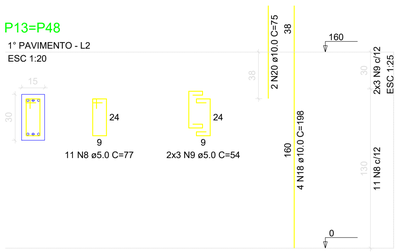
P4



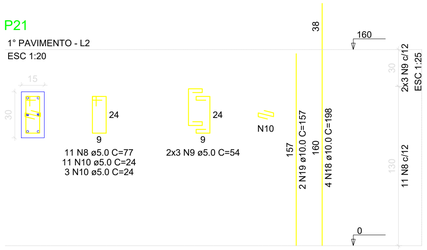
P5=P6=P7=P8=P9=P10=P11=P12=P14=P15=P16=P17= =P18=P19=P23=P31=P32=P34=P35=P38=P39=P47= =P49=P50=P52=P53=P54=P55=P58



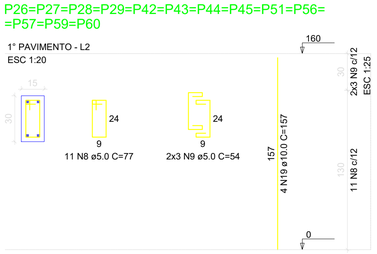
P13=P48



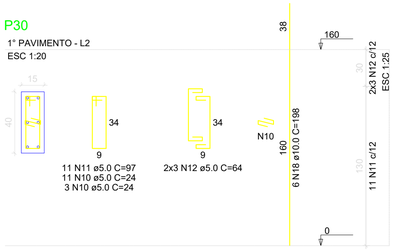
P21



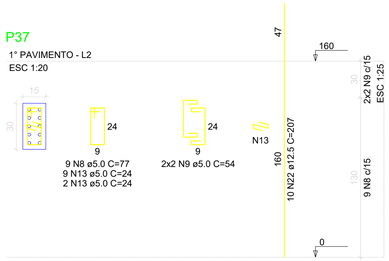
P26=P27=P28=P29=P42=P43=P44=P45=P51=P56= =P57=P59=P60



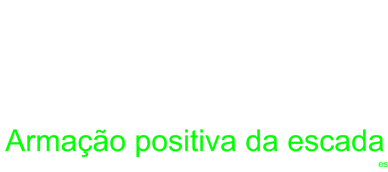
P30



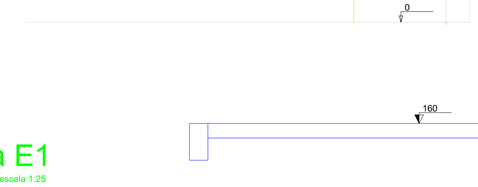
P37



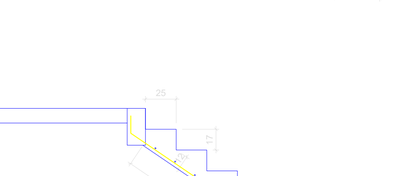
P41



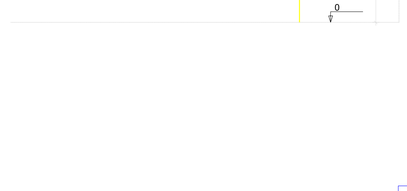
P61



P62



P63



P65



RELAÇÃO DO AÇO

5xP1	P2	5xP3
P4	29xP5	2xP13
P21	13xP26	P30
P37	P41	P61
P62	P63	P65

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	84	34	2856
	2	5.0	66	107	7062
	3	5.0	36	79	2844
	4	5.0	11	83	913
	5	5.0	6	60	360
	6	5.0	55	67	3685
	7	5.0	30	49	1470
	8	5.0	537	77	41349
	9	5.0	292	54	15768
	10	5.0	28	24	672
	11	5.0	11	97	1067
	12	5.0	6	64	384
	13	5.0	11	24	264
	14	5.0	9	107	963
	15	5.0	4	84	336
	16	5.0	11	87	957
	17	5.0	6	64	384
CA50	18	10.0	192	198	38016
	19	10.0	74	157	11618
	20	10.0	12	75	900
	21	12.5	14	94	1316
	22	12.5	14	207	2898

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	505.3	342.7
	12.5	42.1	44.7
CA60	5.0	813.3	137.9

PESO TOTAL (kg)	
CA50	387.4
CA60	137.9

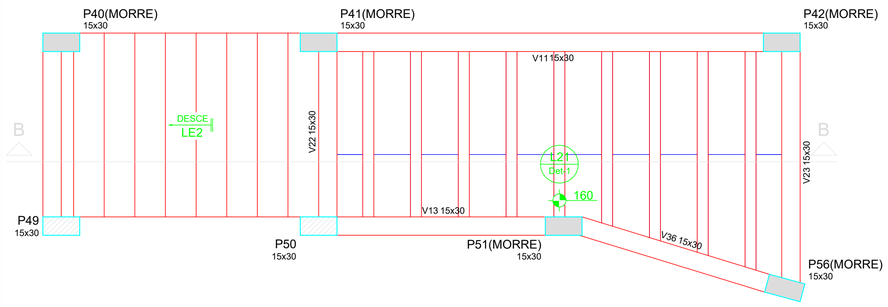
Volume de concreto (C-25) = 5.09 m³
Área de forma = 95.30 m²

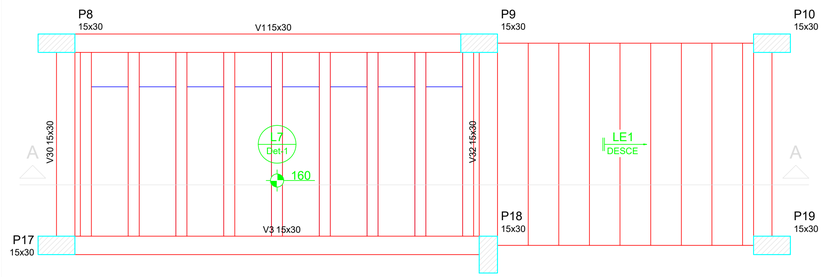
Armação positiva da escada E1

escala 1:25

Corte B-B (LE2)

escala 1:25





Corte A-A (LE1)

escala 1:25

RELAÇÃO DO AÇO

LE1 LE2

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	13	168	2184
	2	5.0	13	154	2002
CA50	3	6.3	11	308	3388
	4	6.3	10	297	2970

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	63.6	17.1
CA60	5.0	41.9	7.1

PESO TOTAL (kg)	
CA50	17.1
CA60	7.1

Volume de concreto (C-25) = 1.57 m³
Área de forma = 15.76 m²

AMNOROESTE
ASSOCIAÇÃO DOS MUNICÍPIOS DO NOROESTE DE SANTA CATARINA

PROJETO:	ESTRUTURAL
OBRA:	AMPLIAÇÃO QUADRA PRAÇA HÉLIO ANTÔNIO FAREZIN
ENDEREÇO:	RUA PRIMO BODANESE CENTRO - QUILOMBO-SC
PROPRIETÁRIO:	PREFEITURA MUNICIPAL DE QUILOMBO - SC CNPJ 83.021.865/0001-61
RESPONSÁVEL TÉCNICO:	Engº Civil Amarildo M. Ribeiro - CREA-SC 156004-7
RESPONSÁVEL TÉCNICO:	JAISON RENAN DOS SANTOS:10341435902 Assinado de forma digital por JAISON RENAN DOS SANTOS:10341435902 Engº Civil Jaison R. dos Santos - CREA SC 178513-5
RESPONSÁVEL TÉCNICO:	Engº Matheus Bez da Silveira - CREA-SC 202276-0
RESPONSÁVEL TÉCNICO:	Engº Eletricista Charlan Smaniotto Luzzatto - CREA-SC 127695-8
DESENHO CAD:	Eliveltro Jesus Passini - CFT - 01901295907 Edivanda Meurer - CREA SC 179524-5
DESCRIÇÃO	PILARES 1° PAVIMENTO - NÍVEL 160 ESCADAS
PRANCHA:	ES - 09/25
ÁREA :	ÁREA A AMPLIAR = 593,61m² ÁREA A REFORMAR = 1.938,53m² ÁREA TOTAL = 2.532,14m²
ESCALA:	INDICADA
CONTATO:	E-MAIL: amnoroeste@amnoroeste.org.br - TEL: (49)3344-1991

20/03/2026