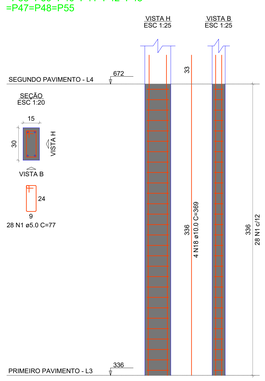
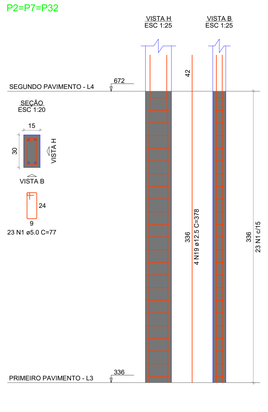
PILARES - Segundo Pavimento - Nível 6,72

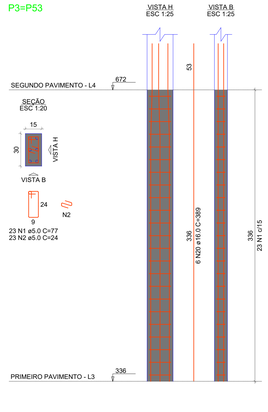
P1=P4=P5=P11=P15=P16=P19= =P20=P22=P23=P29=P31=P33= =P38=P39=P40=P41=P42=P43= =P47=P48=P55



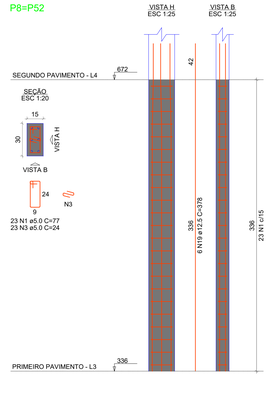
P2=P7=P32



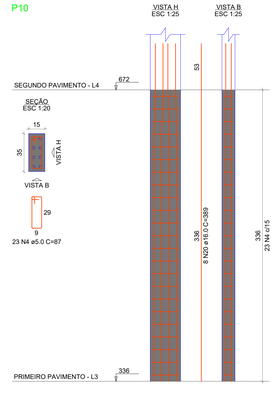
P3=P53



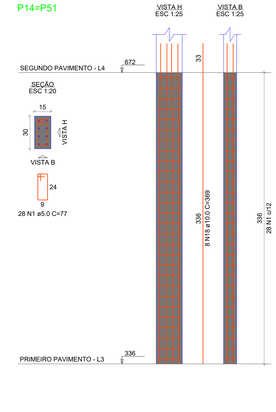
P8=P52



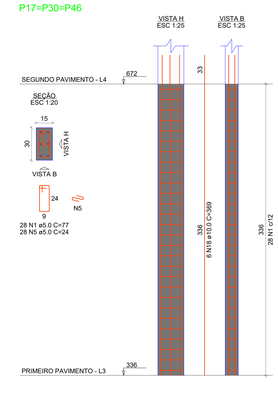
P10



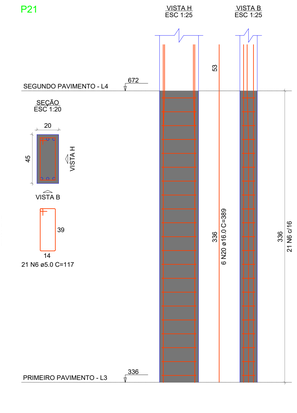
P14=P51



P17=P30=P46



P21



RELAÇÃO DO AÇO

22xP1	3xP2	2xP3
2xP8	P10	2xP14
3xP17	P21	P25
P26	3xP27	P28
P34	P36	P37
P44	P54	P57
P60	2xP62	P66
P67	P69	P73

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	168	72	12096
	2	5.0	56	24	1344
	3	5.0	56	24	1344
	4	5.0	140	24	3360
	5	5.0	56	24	1344
	6	5.0	21	83	1743
	7	5.0	84	29	2436
	8	5.0	84	29	2436
	9	5.0	84	29	2436
	10	5.0	84	29	2436
	11	5.0	21	103	2163
	12	5.0	84	174	14616
	13	5.0	56	29	1624
	14	5.0	56	29	1624
	15	5.0	56	29	1624
	16	5.0	21	97	2037
CA60	17	5.0	168	87	14616
	18	5.0	56	378	21168
	19	5.0	56	378	21168

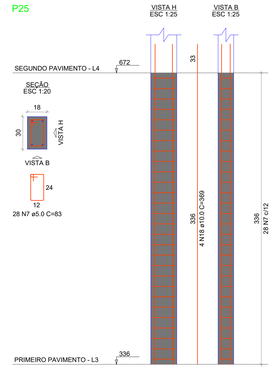
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	583	395.4
	12.5	211.7	224.3
	16.0	260.1	486.3
CA60	5.0	1340.4	227.3

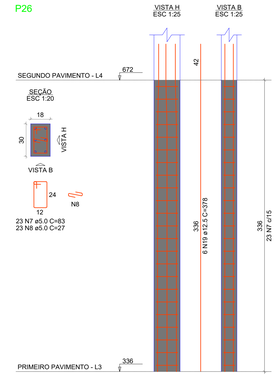
PESO TOTAL (kg)	
CA50	1106
CA60	227.3

Volume de concreto (C-30) = 9.83 m³
Área de forma = 179.16 m²

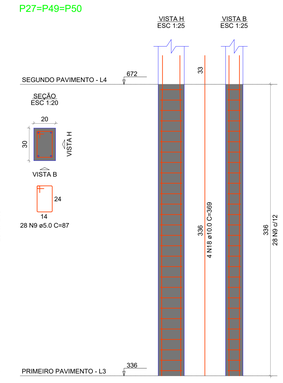
P25



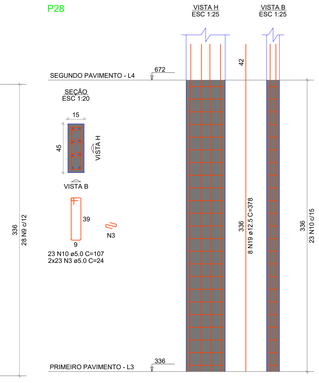
P26



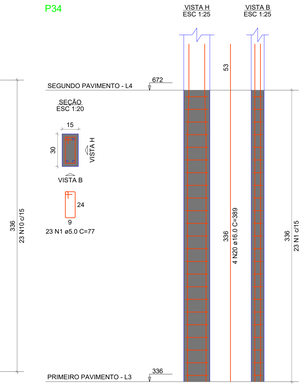
P27=P49=P50



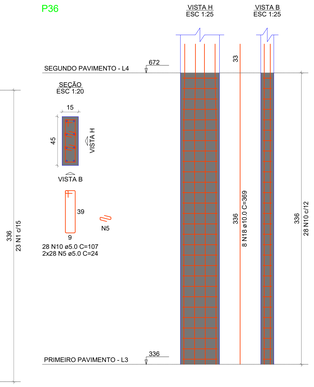
P28



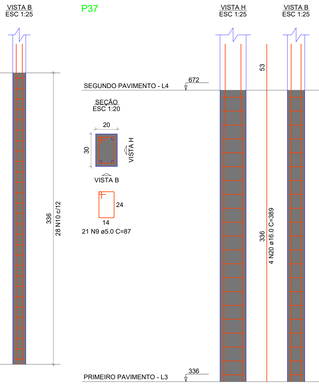
P34



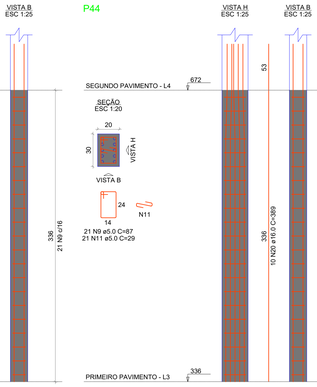
P36



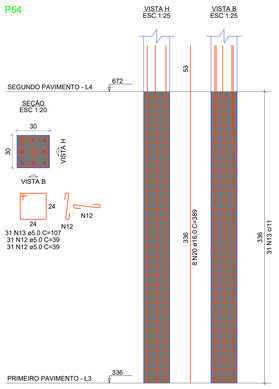
P37



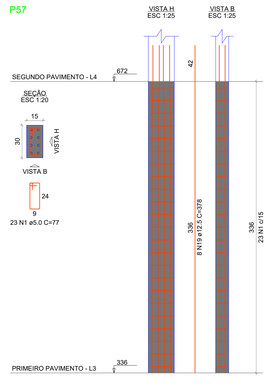
P44



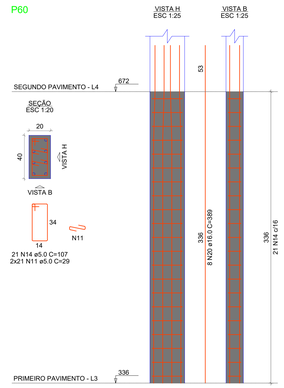
P54



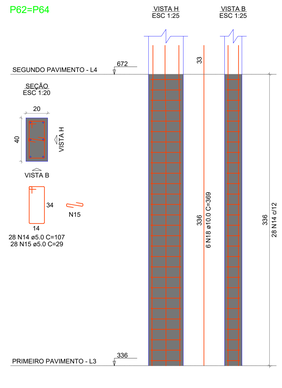
P57



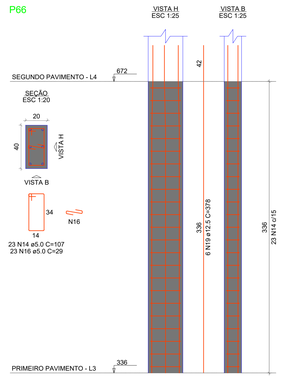
P60



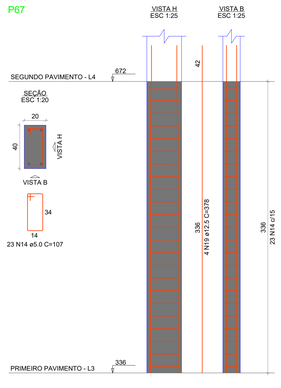
P62=P64



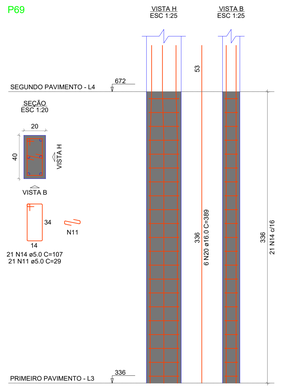
P66



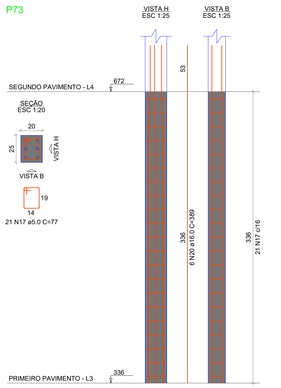
P67



P69



P73



AMURES — ASSOCIAÇÃO DE MUNICÍPIOS DA REGIÃO SERRANA

PREFEITURA MUNICIPAL DE SÃO JOAQUIM - SC — 18/29

ASSESSORIA TÉCNICA

PROJETO: MATHEUS LORENZETTI CASAGRANDE:05074342 Assinado de forma digital por MATHEUS LORENZETTI CASAGRANDE:05074342 Dados: 2025.10.14 08:12:43 -03'00' 4980
Matheus Lorenzetti Casagrande
Eng. Civil - CREA 165793-1

PREFEITO:
José Teodoro de Sena Amaral

OBRA :
CENTRO DE EDUCAÇÃO INFANTIL (CEI) SANTA PAULINA
Projeto Estrutural
Detalhamento dos Pilares do Segundo Pav. - Nível 6,72
Área Total: 1828,80 m²
Localização: Rua Antônio José Alves de Sá ; Bairro: Centro ; CEP:88600-000 ; s/n°

DESENHO : Matheus Lorenzetti Casagrande
Escala: Indicada
DATA : 10/2025