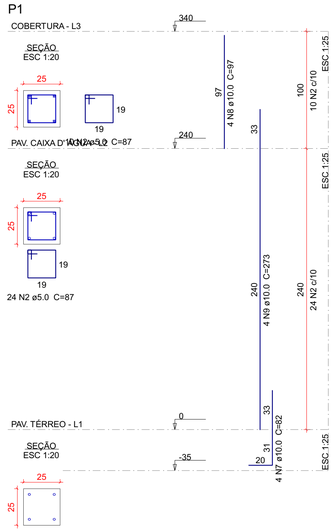
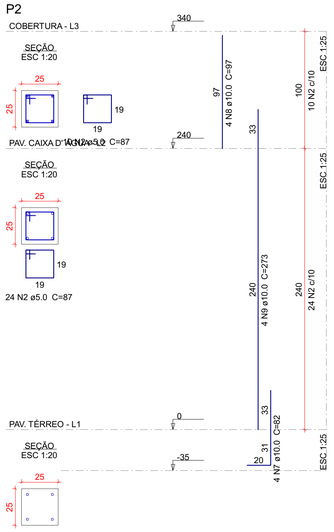
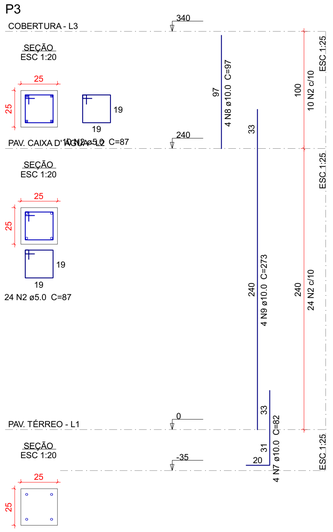
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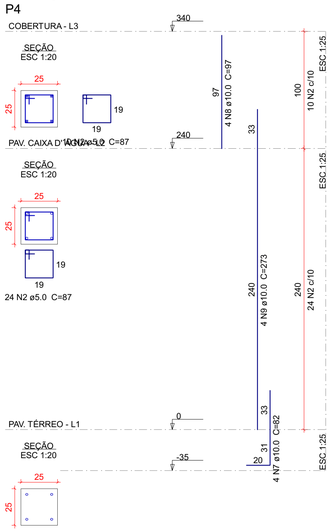
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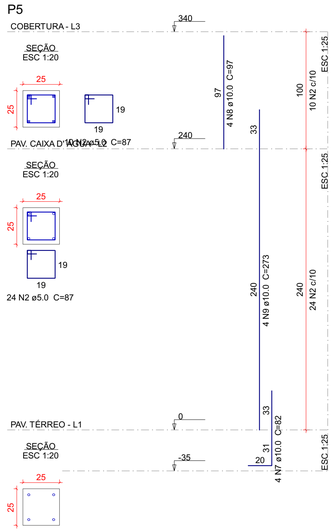
P3



P4



P5



Relação do aço

Cobertura: P1, P2, P3, P4, P5, P6, P7, P8, P9

Pav. Caixa D' Água: P10

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	24	65	1560
	2	5.0	204	87	17748
	3	5.0	34	75	2550
	4	5.0	34	23	782
	5	5.0	57	63	3591
CA50	6	10.0	4	237	948
	7	10.0	32	82	2624
	8	10.0	28	97	2716
	9	10.0	28	273	7644
	10	12.5	10	97	970
	11	12.5	10	282	2820
	12	12.5	10	90	900

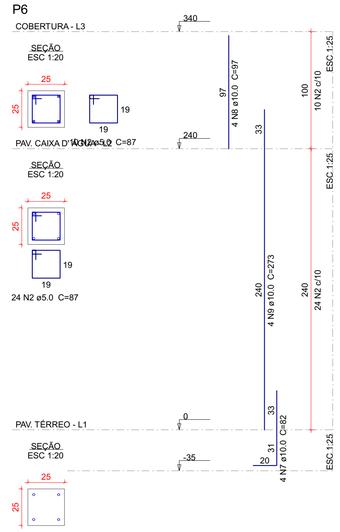
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	139.4	85.9
	12.5	46.9	45.2
CA60	5.0	262.4	40.4

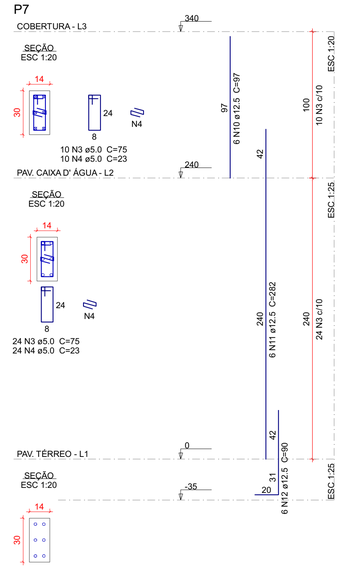
PESO TOTAL (kg)	
CA50	131.1
CA60	40.4

Volume de concreto (C-30) = 1.75 m³
Área de forma = 30.43 m²

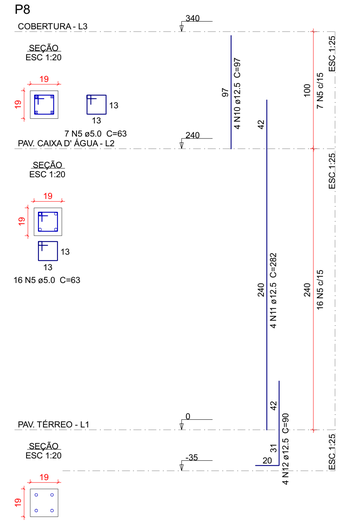
P6



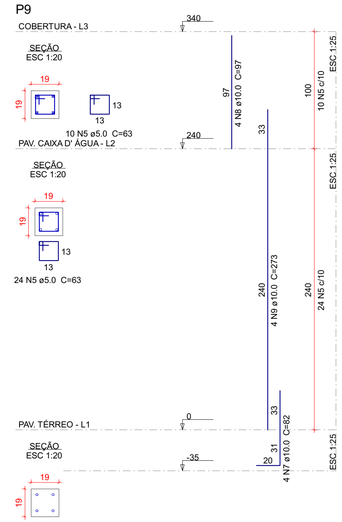
P7



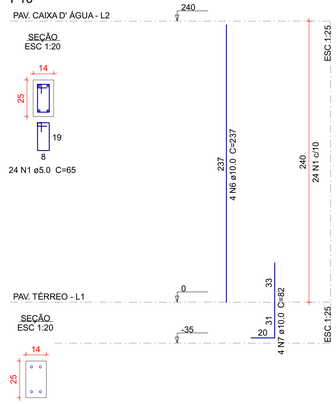
P8



P9



P10



PROJETO ESTRUTURAL

EM CASO DE DÚVIDAS CONSULTAR A DIVISÃO DE PROJETOS F. (41) 3888-4850

OBRA:
Bloco Multiuso - Campus União da Vitória

AUTOR(ES) DO PROJETO:
Eng. Civil Tiago Radaskievicz
PR 132.448/D

PROPRIETÁRIO:
INSTITUTO FEDERAL DO PARANÁ - CNPJ: 10.652.179/0001-15

RESPONSÁVEL EXECUÇÃO:
A LICITAR

REFERÊNCIA:
Pilares

DATA: 09/10/2026
ESCALA: INDICADA
DESENHO: Rada
ARQUIVO:
PRANCHA: 8 / 10
PLOTAGEM: 09/10/2026

DIRETORIA DE INFRAESTRUTURA - DI