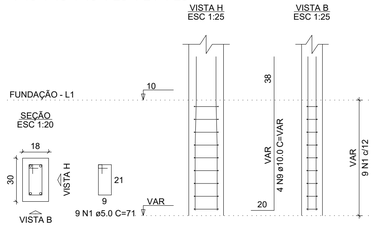
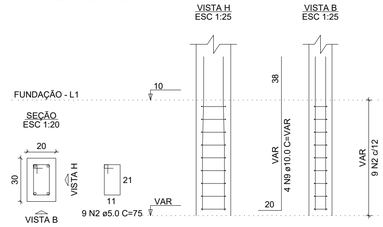
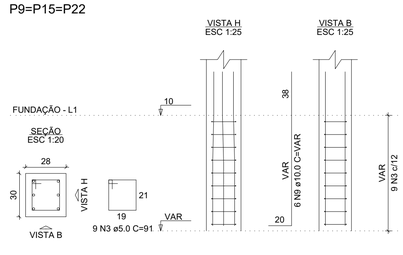
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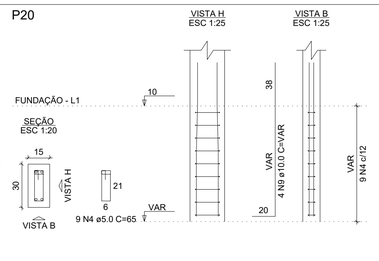
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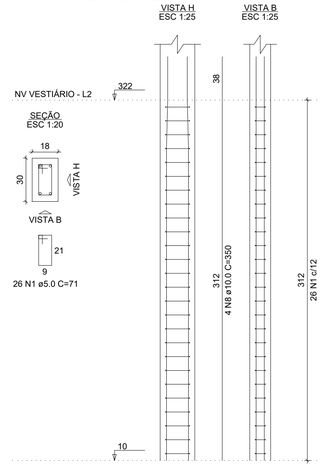
P9=P15=P22



P20



P1=P2=P3=P4=P5=P6=P12= =P18=P19=P23=P24=P25



RELAÇÃO DO AÇO

10xP1-L3	12xP1-L2	14xP1-L1
3xP6-L4	2xP6-L3	P7-L4
P7-L3	2xP7-L2	11xP8-L4
11xP8-L3	11xP8-L2	11xP8-L1
3xP9-L4	3xP9-L3	3xP9-L2
3xP9-L1	P13-L3	P20-L3
P20-L2	P20-L1	P13A1-L3

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	702	71	49842
	2	5.0	638	75	47850
	3	5.0	174	91	15834
	4	5.0	47	65	3055
	5	5.0	12	34	408
	6	5.0	12	107	1284
CA50	7	10.0	42	130	5460
	8	10.0	122	350	42700
	9	10.0	122	VAR	VAR
	10	10.0	82	118	9676
	11	10.0	94	173	16262
	12	10.0	14	75	1050

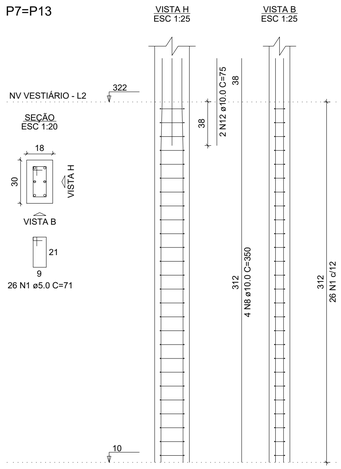
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	936.9	635.4
CA60	5.0	1182.7	200.5

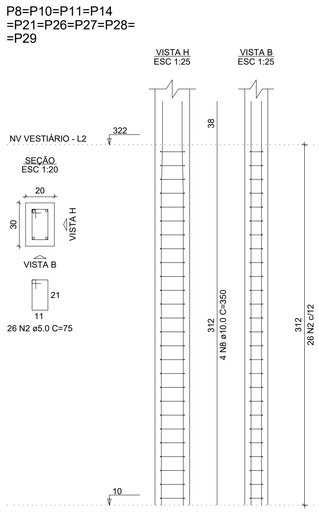
PESO TOTAL (kg)	
CA50	635.4
CA60	200.5

Volume de concreto (C-25) = 10.88 m³
Área de forma = 181.80 m²

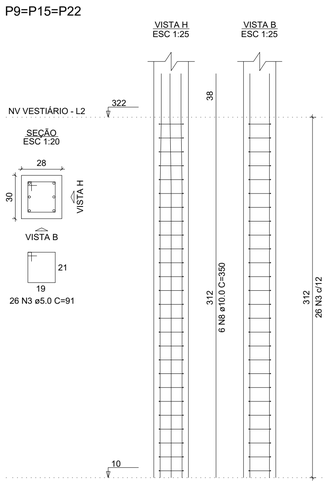
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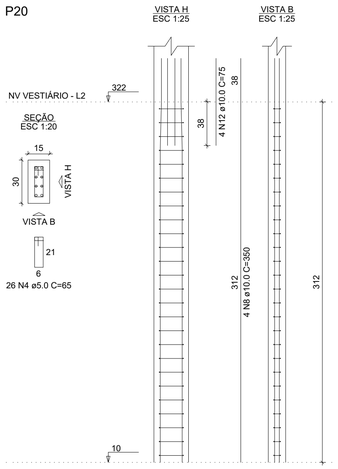
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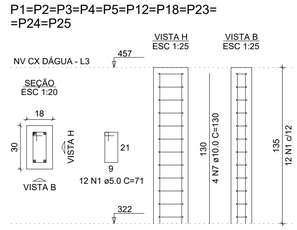
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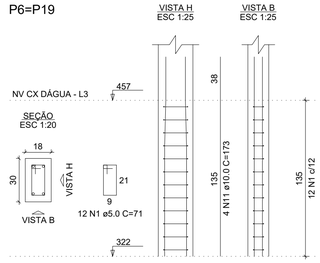
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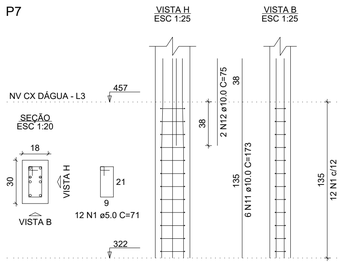
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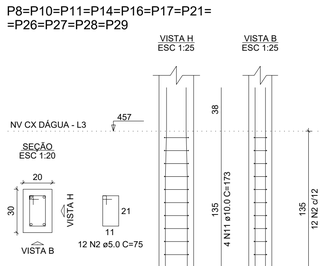
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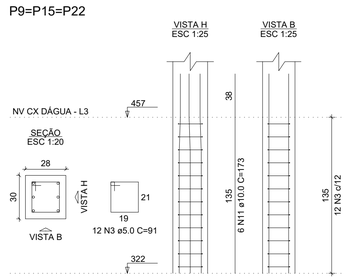
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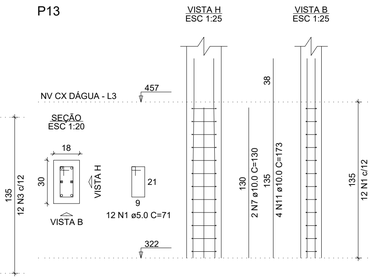
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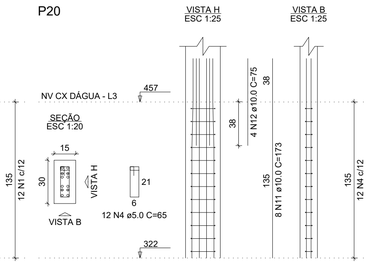
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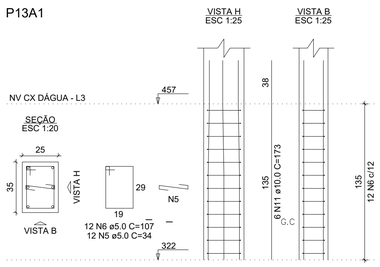
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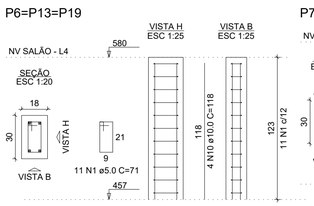
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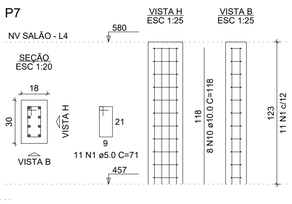
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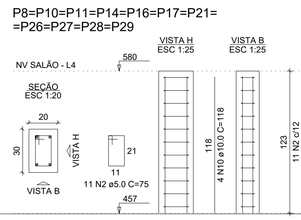
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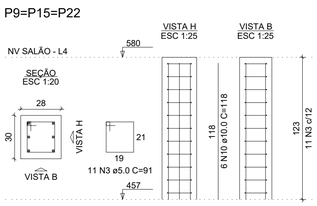
P7



P8=P10=P11=P14=P16=P17=P21= =P26=P27=P28=P29



P9=P15=P22



c					
b					
a					
	DATA	FEITO	VISTO	APROV.	
CLASSIFICAÇÃO	ALTERAÇÕES				

PREF. MUNICIPAL:

DATA APROVAÇÃO:

PROPRIETÁRIO DA EDIFICAÇÃO:
Prefeitura Municipal de Abaeté-MG
CPF: 18.296.632/0001-00
R. Dr. Antônio Amador – CENTRO, Abaeté – MG, 35620-000

RESPONSÁVEL PELO PROJETO Engº. Ricardo F. Poltronieri	CREA 78.407/D/MG
EMPRESA OTIMIZA AUDITORIA E GESTÃO EM ENERGIA	CNPJ 28.776.579/0001-06
ENDEREÇO/CONTATO DIVINÓPOLIS / WWW.OTIMIZAENERGIA.COM.BR	

VISTO
ASSIN: MATRIC:
APROV.
ASSIN: MATRIC:
DATA: 05/04/2022

PROJETO ESTRUTURAL PRAÇA DE ESPORTES – SALÃO VSTIÁRIOS
ABAETÉ-MG

ESCALA 1: INDICADA

Nº

FOLHA 07/12

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