Relação do aço de todas as sapatas do edif.principal

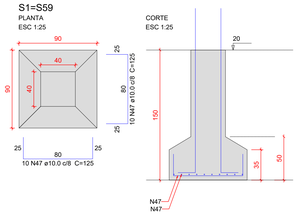
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	3	5.0	48	135	6480
	4	5.0	1083	95	102885
	5	5.0	442	65	28730
	6	5.0	20	81	1620
	7	5.0	26	83	2158
	8	5.0	156	79	12324
	9	5.0	20	111	2220
	1	5.0	26	55	1430
	10	5.0	13	75	975
	11	5.0	13	105	1365
	12	5.0	13	36	468
	13	5.0	5	521	2605
	14	5.0	5	501	2505
	15	5.0	26	355	9230
	16	5.0	78	136	10608
	17	5.0	286	66	18876
CA50	21	8.0	308	111	34188
	22	8.0	64	111	7104
	23	8.0	100	126	12600
	24	8.0	82	96	7872
	20	8.0	53	101	5353
	25	8.0	95	116	11020
	26	8.0	340	106	36040
	27	8.0	90	96	8640
	28	8.0	129	106	13674
	29	8.0	133	121	16093
	30	8.0	32	136	4352
	31	8.0	264	111	29304
	32	8.0	40	136	5440
	18	8.0	30	91	2730
	33	8.0	58	131	7598
	34	8.0	322	131	42182
	35	8.0	160	106	16960
	36	8.0	576	121	69696
	37	8.0	12	101	1212
	38	8.0	22	116	2552
	19	8.0	91	86	7826
	39	8.0	56	136	7616
	40	8.0	11	146	1606
	41	8.0	26	126	3276
	42	8.0	28	141	3948
	43	8.0	29	101	2929
	44	8.0	24	206	4944
	47	10.0	100	125	12500
	48	10.0	60	130	7800
	46	10.0	232	193	44776
	49	10.0	36	95	3420
	50	10.0	10	120	1200
	51	10.0	8	135	1080
	52	10.0	12	100	1200
	53	10.0	88	158	13904
	54	10.0	14	204	2856
	55	10.0	12	148	1776
	56	10.0	12	143	1716
	57	10.0	12	214	2568
	58	10.0	10	158	1580
	59	10.0	13	123	1599
	60	10.0	26	140	3640
	61	12.5	414	200	82800
	62	12.5	8	157	1256
	63	12.5	2	159	318
	64	12.5	10	198	1980
	65	12.5	10	178	1780
	66	16.0	46	209	9614
	67	16.0	2	158	316

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	3667.6	1591.9
	10.0	1016.2	689.1
	12.5	881.4	933.9
	16.0	99.3	172.4
CA60	5.0	2044.8	346.7
PESO TOTAL (kg)			
CA50	3387.4		
CA60	346.7		

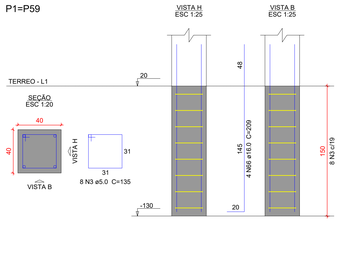
Volume de concreto (C-35) = 81.61 m³
Área de forma = 386.39 m²
Tela Q-196 = 151.35 m²

S1=S59
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ESC 1:25

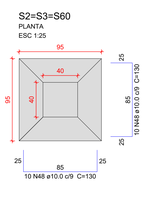


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ESC 1:25

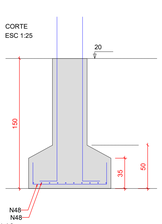
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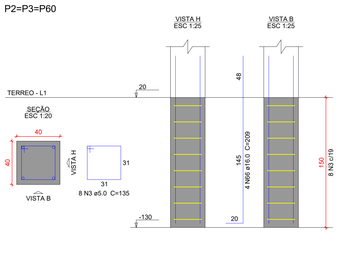
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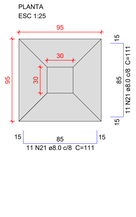
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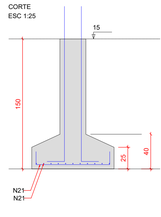
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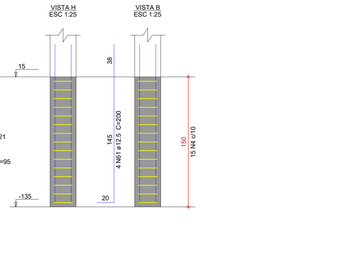
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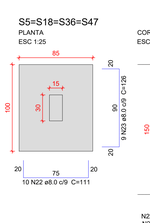
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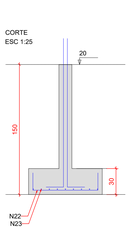
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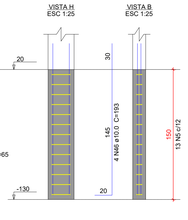
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PLANTA
ESC 1:25



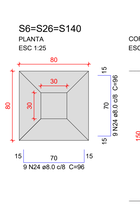
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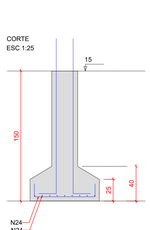
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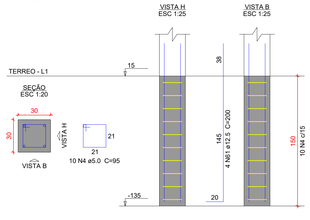
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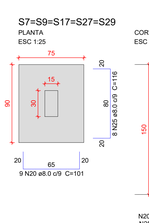
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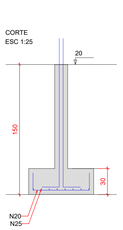
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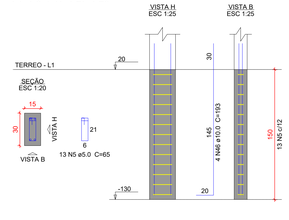
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ESC 1:25



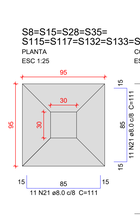
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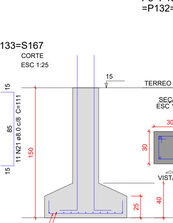
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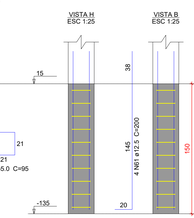
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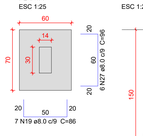
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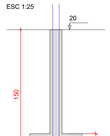
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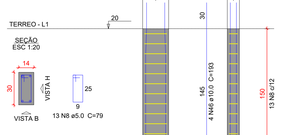
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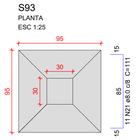
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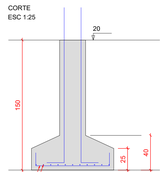
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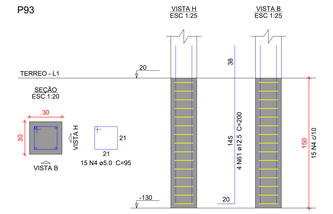
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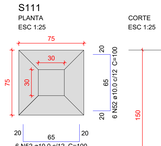
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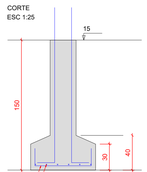
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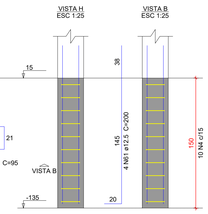
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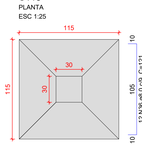
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ESC 1:25



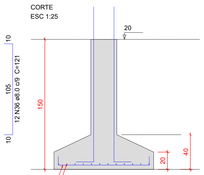
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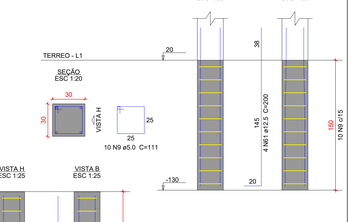
S118
PLANTA
ESC 1:25



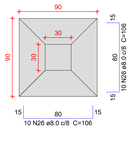
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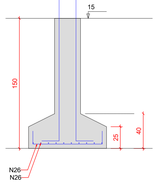
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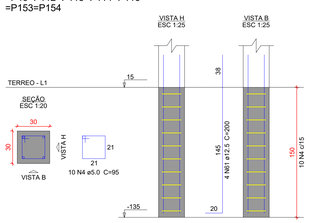
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PLANTA
ESC 1:25



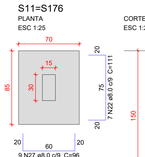
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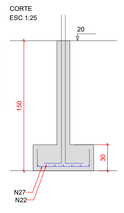
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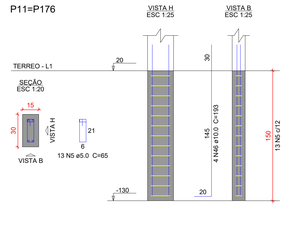
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PLANTA
ESC 1:25



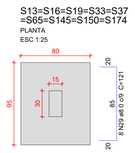
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ESC 1:25



P11=P176



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PLANTA
ESC 1:25



CORTE
ESC 1:25

P13=P16=P19=P33=P37=P65= =P145=P150=P174

S22=S42
PLANTA
ESC 1:25

CORTE
ESC 1:25

P22=P42

S21=S41
PLANTA
ESC 1:25

CORTE
ESC 1:25

P21=P41

S23
PLANTA
ESC 1:25

CORTE
ESC 1:25

P23

P24=P52=P53=P56=P73=P142

S24=S52=S53=S56=S73=S142
PLANTA
ESC 1:25

CORTE
ESC 1:25

S25=S92
PLANTA
ESC 1:25

P25=P92

S31=S149=S175
PLANTA
ESC 1:25

P31=P149=P175

S38=S39=S165
PLANTA
ESC 1:25

CORTE
ESC 1:25

P38=P39=P165

S45
PLANTA
ESC 1:25

P45

NOTAS GERAIS

1. DIMENSÕES EM CENTIMETRO, BITOLAS EM MILIMETRO, EXCETO ONTE INDICADO DE OUTRA FORMA. AS COTAS DE IMPLANTAÇÃO DA OBRA BEM COMO AS COTAS E OS NIVEIS DAS FORMAS DEVERAO SER VERIFICADOS E ACEITOS PELO RESPONSAVEL TECNICO DA OBRA ANTES DA EXECUÇAO;
2. ACO CA-50
   CONCRETO DA EDIFICAÇAO: C35 (fck = 35 MPa)
   RELAÇAO AGUA/CIMENTO = 0,60
   DIAMETRO MAXIMO DO AGREGADO GRAUDO: 19 mm;
3. VERIFICAR ARMADURAS DE ARRANQUE
4. COBRIMENTO MINIMO:
   - VIGAS E LAJES
   - PILARES EM CONTATO COM SOLO: 4,5cm
5. AS BARRAS DE AÇO DEVERÃO SER CONVENIENTEMENTE LIMPAS DE QUALQUER SUBSTÂNCIA PREJUDICIAL A ADERÊNCIA, RETIRANDO-SE AS ESCAMAS EVENTUALMENTE DESTACADAS POR OXIDAÇÃO, AINDA: AS BARRAS EXCESSIVAMENTE DANIFICADAS DEVERÃO SER DESCARTADAS;
6. JUNTAS DE CONCRETAGEM: QUANDO O LANÇAMENTO DO CONCRETO FOR INTERROMPIDO E, ASSIM, FORMAR-SE UMA JUNTA DE CONCRETAGEM, DEVE-SE, ANTES DE INICIAR O LANÇAMENTO DO CONCRETO FRESTO, REMOVER A NATA E LIMPAR A SUPERFICIE DA JUNTA, DURANTE A CONCRETAGEM O CONCRETO DEVERA SER PERFEITAMENTE ADENSADO ATÉ A SUPERFICIE DA JUNTA;
7. TODAS AS ESTRUTURAS EM CONTATO COM O SOLO DEVEM SER SOLADAS COM UMA CAMADA DE CONCRETO MAGRO DE NO MÍNIMO 5 cm (TRAÇO USUAL 1:8) ENTRE O SOLO E A ESTRUTURA;
8. O SOLO SOBRE AS SAPATAS DEVE SER COMPACTADO;
9. TODOS OS NÍVEIS INDICADOS NO PROJETO ESTRUTURAL REFEREM-SE AO NÍVEL 0.00 DO PROJETO ARQUITETÔNICO;
10. ESCORAMENTOS E FORMAS DEVEM SER RETIRADOS SEM CHOQUES EXCESSIVOS.

R00	29/09/2026	EMISSÃO INICIAL

Nome do Empreendimento
CER 2

Endereço do Empreendimento
AVENIDA UPA, TAQUARI, LIVRAMENTO DE NOSSA SENHORA/BA

Disciplina
FUNDAÇÃO

Título do desenho
DETALHAMENTO DAS SAPATAS DO EDIFÍCIO PRINCIPAL (1/3)

Etapa
PROJETO EXECUTIVO

CONSÓRCIO SAÚDE
CONCREMAT | MEP

Projetista e coordenador
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Escala/Unidade: EST
Prancha: 02/07
Revisão: R00
Escala: INDICADA

A0 (1189 X 841 mm)