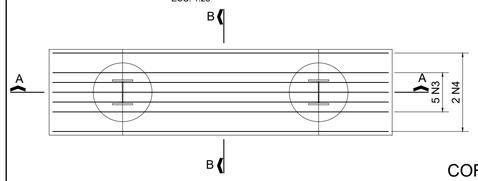
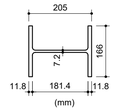
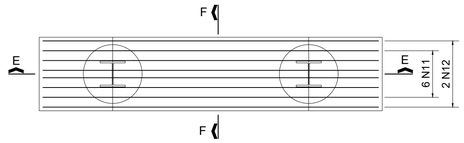
BLOCO BL1 (7x)
ESC. 1:25



DETALHE 1
PERFIL METÁLICO W200x41,7
ESC.1:10



BLOCO BL2 (15x)
ESC. 1:25



DETALHE 3
PERFIL METÁLICO W200x59
ESC.1:10

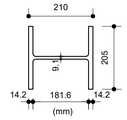
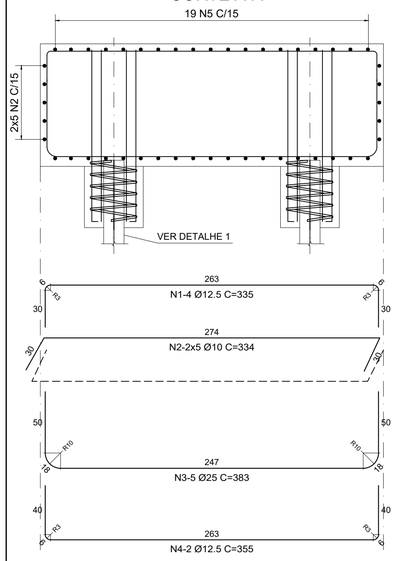


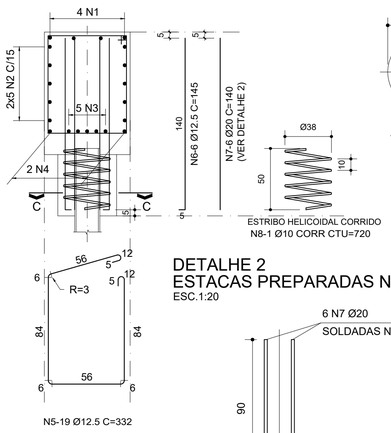
TABELA DE FERROS

N	Ø (mm)	Q	COMPRIMENTOS UNIT.(cm)	COMPRIMENTOS TOTAL(cm)
1	12.5	28	335	9380
2	10	70	334	23380
3	25	35	383	13405
4	12.5	14	355	4970
5	12.5	133	332	44156
6	12.5	84	145	12180
7	20	84	140	11760
8	10	14	CORRIDO	10080
9	12.5	60	335	20100
10	10	150	334	50100
11	25	90	383	34470
12	12.5	30	355	10650
13	12.5	285	312	88920
14	12.5	180	145	26100
15	25	180	140	25200
16	10	30	CORRIDO	21600
17	10	108	235	25380
18	10	360	152	54720
19	12.5	108	111	11988
20	20	108	106	11448
21	10	18	CORRIDO	12960
22	12.5	12	335	4020
23	10	30	334	10020
24	25	21	383	8043
25	12.5	6	355	2130
26	12.5	57	332	18924
27	12.5	48	145	6960
28	25	36	140	5040
29	10	6	CORRIDO	5340

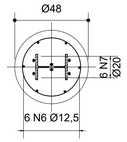
CORTE A-A



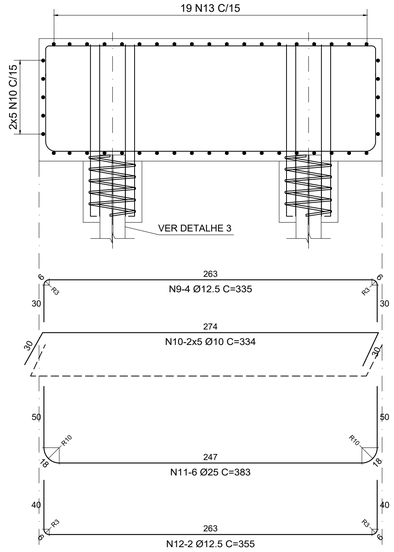
CORTE B-B E DETALHE DO PILARETE



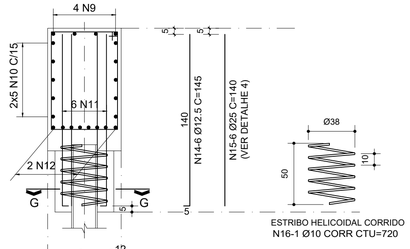
CORTE C-C
ESC.1:20



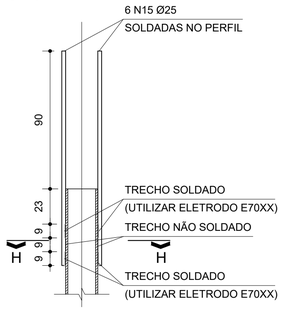
CORTE E-E



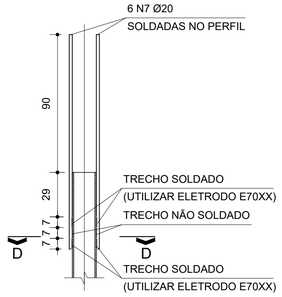
CORTE F-F E DETALHE DO PILARETE



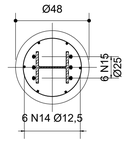
DETALHE 4
ESTACAS PREPARADAS NO CANTEIRO
ESC.1:20



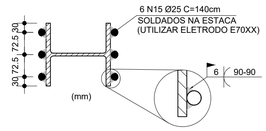
DETALHE 2
ESTACAS PREPARADAS NO CANTEIRO
ESC.1:20



CORTE G-G
ESC.1:20



CORTE H-H
ESC.1:10

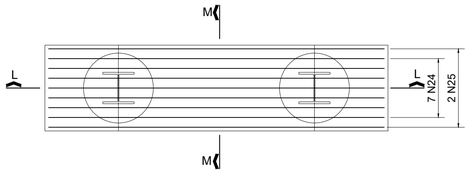


RESUMO CA-50

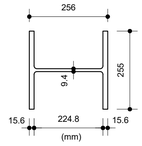
Ø (mm)	kg/m	COMPR.(m)	PESO (kg)
10	0.63	2135.80	1346
12.5	1.00	2604.78	2605
20	2.50	232.08	580
25	4.00	861.58	3446
		TOTAL:	7977

CORTE D-D
ESC.1:10

BLOCO BL4 (3x)
ESC. 1:25



DETALHE 7
PERFIL METÁLICO W250x80
ESC.1:10

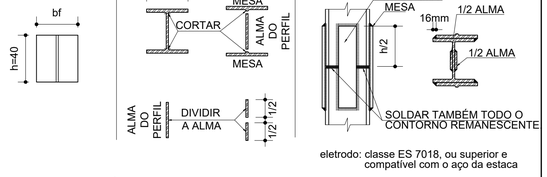


DETALHE DE EMENDA (Típ.)
ESC.1:20

1° PASSO:
CORTAR O PERFIL

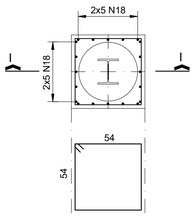
2° PASSO:
CORTAR O PERFIL SEPARANDO AS ABAS DA ALMA

3° PASSO:
SOLDAR "TALAS" NA PONTA DO PERFIL A SER CRAVADO

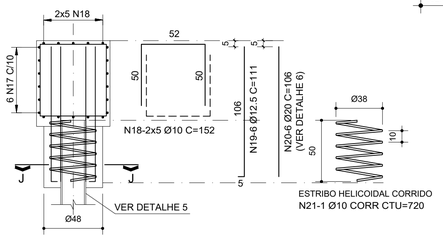


eletrodo: classe ES 7018, ou superior e compatível com o aço da estaca

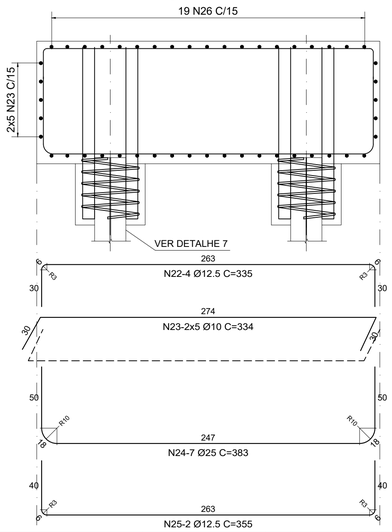
BLOCO BL3 (18x)
ESC. 1:25



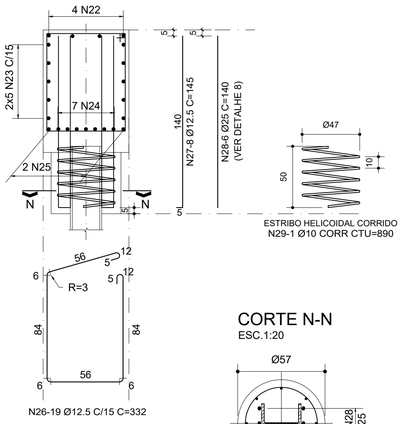
CORTE I-I
DETALHE DO PILARETE
DA ESTACA METÁLICA W200x41,7
ESC.1:25



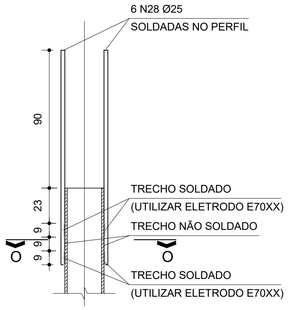
CORTE L-L



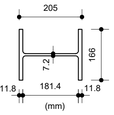
CORTE M-M E DETALHE DO PILARETE



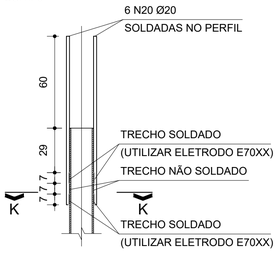
DETALHE 8
ESTACAS PREPARADAS NO CANTEIRO
ESC.1:20



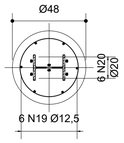
DETALHE 5
PERFIL METÁLICO W200x41,7
ESC.1:10



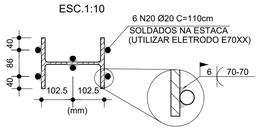
DETALHE 6
ESTACAS PREPARADAS NO CANTEIRO
ESC.1:20



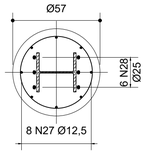
CORTE J-J
ESC.1:20



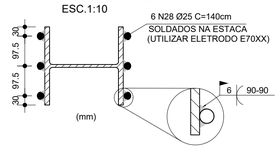
CORTE K-K
ESC.1:10



CORTE N-N
ESC.1:20



CORTE O-O
ESC.1:10



SEQUÊNCIA CONSTRUTIVA DO PILARETE DA CABEÇA DO PERFIL METÁLICO:

1 - CRAVAR AS ESTACAS METÁLICAS.
2 - ESCAVAR TERRENO ATÉ COTA INFERIOR DAS FORMAS DOS PILARETES
3 - EXECUTAR A ARMADURA DE FRETAGEM DAS ESTACAS.
4 - POSICIONAR AS FORMAS DOS PILARETES.
5 - CONCRETAR O INTERIOR DAS FORMAS
6 - REATERRAR ENTRE PILARETES ATÉ A BASE DO BLOCO DE COROAMENTO DAS ESTACAS COM SOLO COMPACTADO

NOTAS:

1 - MEDIDAS EM CENTÍMETRO, EXCETO INDICAÇÃO CONTRÁRIA

2- MATERIAIS:
- CONCRETO ESTRUTURAL fck = 30 MPa (FATOR A/C<0,5)
- AÇO CA50
- AÇO ASTM 572 GR 50
- ELETRODO E70XX

3 - COBRIMENTO DAS ARMADURAS:
c = 3,0 cm

4 - VERIFICAR TODAS AS MEDIDAS E NÍVEIS NA OBRA.

5 - O CONTROLE TECNOLÓGICO PARA GARANTIA DA QUALIDADE DOS MATERIAIS E SERVIÇOS DEVERÃO SEGUIR TODAS AS RECOMENDAÇÕES CONSTANTES DAS SEGUINTES NORMAS DA ABNT: NBR12655, NBR7480, NBR 7481, NBR 7482 E NBR 7483.

6 - O CONTROLE TECNOLÓGICO PARA GARANTIA DA QUALIDADE DOS MATERIAIS E SERVIÇOS DEVERÃO SEGUIR TODAS RECOMENDAÇÕES DA NORMA DA ABNT NBR 6122/10 - PROJETO E EXECUÇÃO DE FUNDAÇÕES, E AS PRESCRIÇÕES CONSTANTES NO PARECER DE FUNDAÇÕES EMITIDO PELA CONSULTORIA DE SOLOS

Nº	MODIFICAÇÕES	APROVAÇÃO (AUTOR DO PROJETO)	DATA	APROVAÇÃO (UFABC)	DATA	OBSERVAÇÕES	DESENHOS DE REFERÊNCIA	N.	APROVAÇÃO (UFABC)	DATA	NOTAS
2	ATENDIMENTO COMENTÁRIOS	PAULO FACCIO	30.08.17						APROVAÇÃO (AUTOR DO PROJETO)	DATA	
1	EMISSÃO INICIAL	PAULO FACCIO	31.05.17				CSB-PE-EST-HAN-FOR-101-02				CSB-PE-EST-HAG-MCL-ARM - MEMÓRIA DE CÁLCULO

FACCIO ARQUITETURA
RUA MONTE APRAZÍVEL, 185 – VILA NOVA CONCEIÇÃO – SÃO PAULO – SP
CEP: 04513–030 – FONE: (11) 3045–7500
E–MAIL: PAULO@FACCIOARQUITETURA.COM.BR – SITE: WWW.FACCIOARQUITETURA.COM.BR

RESPONSÁVEL TÉCNICO: PAULO FACCIO NETO	CAU: A815330	Nº PROJETO:
PROJETISTA: DANIEL FAUSTO DE MENEZES	CAU: A50903-5	
ASSINATURA:		
CAU: 17338-0	DATA: 31.05.17	

Universidade Federal do ABC
Câmpus São Bernardo do Campo

UFABC

ETAPA – ÁREA TÉCNICA: PROJETO EXECUTIVO – ESTRUTURA			PE-EST
CONTEÚDO: ARMAÇÃO – BLOCOS DE FUNDAÇÃO			FOLHA: 20/20
LOCALIZAÇÃO – IDENTIFICAÇÃO: HANGAR			
ARQUIVO ELETRÔNICO: CSB–PE–EST–HAN–ARM–119–20–R02	REVISÃO DA FOLHA: R02	ESCALA: INDICADA	DATA: 30/08/17