



ÁREA DE COBERTURA = 2181m<sup>2</sup>  
ÁREA DE PLATIBANDA = 1007m<sup>2</sup>

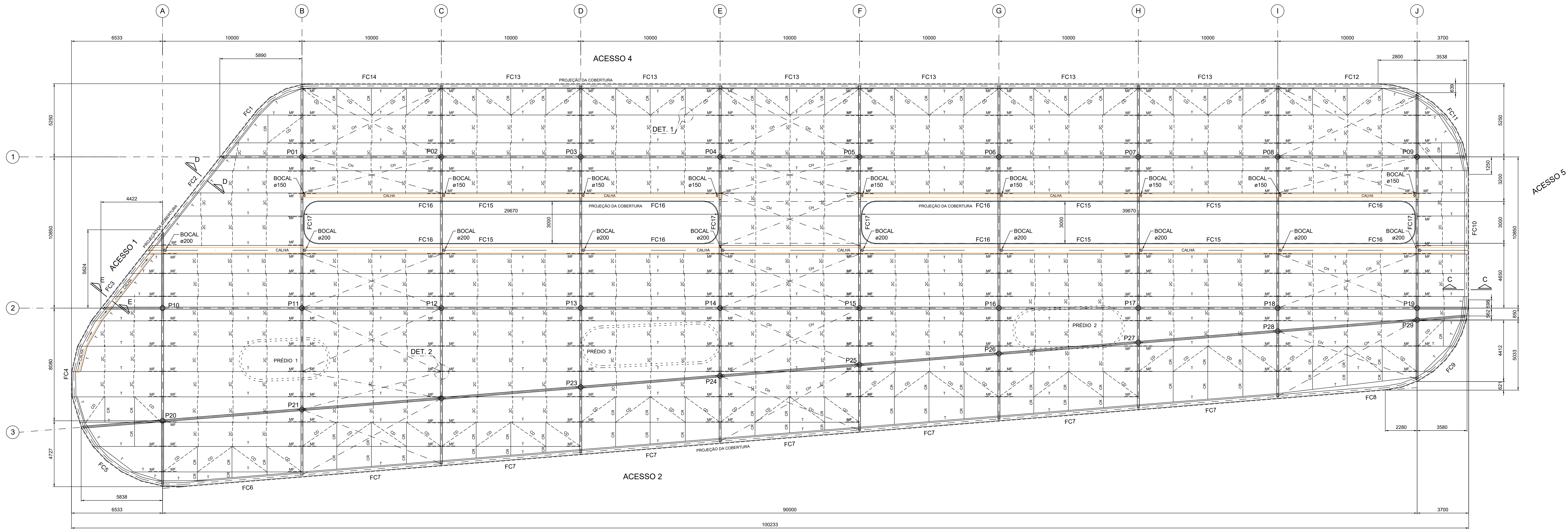
nº	cargos	REACCIÓN (unidades t/1 hora)					
		x1	x2	x3	x4	x5	x6
P23	PESO PROPIO	-0.000	0.000	2.773	0.000	0.000	0.000
	CARGA PERMANENTE	-0.000	0.000	1.230	0.000	-0.003	-0.013
	SORREGGICIA	-0.000	-0.002	2.786	0.025	-0.003	-0.033
	PESO PROPIO	-0.000	-0.002	2.872	0.010	-0.003	-0.033
	CARGA PERMANENTE	-0.000	-0.002	1.230	0.000	-0.003	-0.013
	VENTO 180	-0.162	-0.022	4.855	0.000	0.000	0.000
P04	VENTO 90	-0.080	-0.149	3.633	9.485	0.011	0.048
	PESO PROPIO	-0.000	0.000	2.784	0.000	0.000	0.000
	CARGA PERMANENTE	-0.001	0.003	1.230	-0.023	-0.008	-0.001
	PESO PROPIO	-0.000	0.000	2.838	0.000	0.000	0.000
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001
	VENTO 180	-0.258	-0.051	4.347	0.385	-1.569	-0.200
P14	VENTO 90	-0.020	-0.011	4.446	0.087	0.004	-0.061
	PESO PROPIO	-0.000	0.000	2.838	0.000	0.000	0.000
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001
	SORREGGICIA	-0.000	0.000	2.917	-0.007	-0.001	0.008
	PESO PROPIO	-0.001	0.001	1.465	-0.004	-0.005	-0.001
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001
P24	VENTO 180	-0.212	-0.039	2.918	0.308	-1.613	-0.154
	PESO PROPIO	-0.000	0.000	2.860	0.000	0.000	0.000
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001
	SORREGGICIA	-0.000	-0.002	1.000	0.013	-0.002	-0.009
	PESO PROPIO	-0.002	0.076	5.011	7.438	0.086	-0.003
	CARGA PERMANENTE	-0.000	-0.002	2.655	0.000	-0.008	-0.008
P05	VENTO 90	-0.001	-0.002	1.995	0.019	-0.004	-0.020
	PESO PROPIO	-0.000	0.000	1.123	-0.001	-0.001	-0.001
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001
	SORREGGICIA	-0.000	0.000	1.230	-0.023	-0.008	-0.001
	PESO PROPIO	-0.000	0.000	1.230	-0.023	-0.008	-0.001
	VENTO 180	-0.160	-0.008	-4.138	-0.001	1.215	-0.062
P15	VENTO 90	-0.083	-0.139	3.371	7.887	0.076	0.048
	PESO PROPIO	-0.000	0.000	2.864	0.000	0.000	0.000
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001
	SORREGGICIA	-0.000	0.000	2.844	-0.020	-0.008	-0.001
	PESO PROPIO	-0.000	0.000	2.844	-0.020	-0.008	-0.001
	VENTO 180	-0.256	-0.022	5.352	0.168	-1.947	-0.078
P25	VENTO 90	-0.232	-0.051	6.389	0.387	1.951	0.078
	PESO PROPIO	-0.000	0.000	2.860	0.000	0.000	0.000
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001
	SORREGGICIA	-0.000	0.000	1.187	0.006	-0.001	-0.009
	PESO PROPIO	-0.000	0.000	1.187	0.006	-0.001	-0.009
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001
P06	VENTO 90	-0.063	-0.156	7.592	8.826	0.479	-0.023
	PESO PROPIO	-0.001	0.049	2.231	2.793	0.683	0.009
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001
	SORREGGICIA	-0.000	0.000	1.041	0.027	0.000	0.009
	PESO PROPIO	-0.000	0.000	1.041			
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001
P16	VENTO 180	-0.162	-0.022	4.855	0.000	0.000	0.000
	PESO PROPIO	-0.000	0.000	2.784	0.000	0.000	0.000
	CARGA PERMANENTE	-0.001	0.003	1.230	-0.023	-0.008	-0.001
	PESO PROPIO	-0.000	0.000	2.838	0.000	0.000	0.000
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001
	VENTO 180	-0.258	-0.051	4.347	0.385	-1.569	-0.200
P26	VENTO 90	-0.020	-0.011	4.446	0.087	0.004	-0.061
	PESO PROPIO	-0.000	0.000	2.838	0.000	0.000	0.000
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001
	SORREGGICIA	-0.000	0.000	2.917	-0.007	-0.001	0.008
	PESO PROPIO	-0.001	0.001	1.465	-0.004	-0.005	-0.001
	CARGA PERMANENTE	-0.000	0.000	1.230	-0.023	-0.008	-0.001

NOTAS

2. MEDIAS EM MILÍMETRO, NÍVEIS EM METRO.
2. MATERIAIS:
- PERFIS E CHAPAS: AÇO ASTM A572 Gr. 50 (Ue=6,40 tf/cm²) (Fy=3,45 tf/cm² e Fu=5,40 tf/cm²).
  - CHUMBADORES: AÇO SAE 1045 (Fy=3,10 tf/cm² e Fu=5,60 tf/cm²).
  - PARAFUSOS: ASTM A325 (Fy=8,25 tf/cm²).
  - SOLDAS: ELETRODO AWS E70XX (Fu=4,85 tf/cm²).
3. FOLGAS DE MONTAGEM/FABRICAÇÃO DEVERÃO SER
- PREVISIVAS PARA O CONSTRUTOR DAS ESTRUTURAS METÁLICAS
4. TODAS AS MEDIAS DEVERÃO SER VERIFICADAS EM OBRA ANTES DA EXECUÇÃO DOS TRABALHOS.
5. EMENDAS DE PERFIS NÃO PREVISIVAS NO PROJETO DEVERÃO SER DETALHADAS PELA CAPACIDADE DA PEÇA.
6. A UTILIZAÇÃO DE MATERIAL EQUIVALENTE SOMENTE SERÁ ADMITIDA QUANDO AUTORIZADA FORMALMENTE.



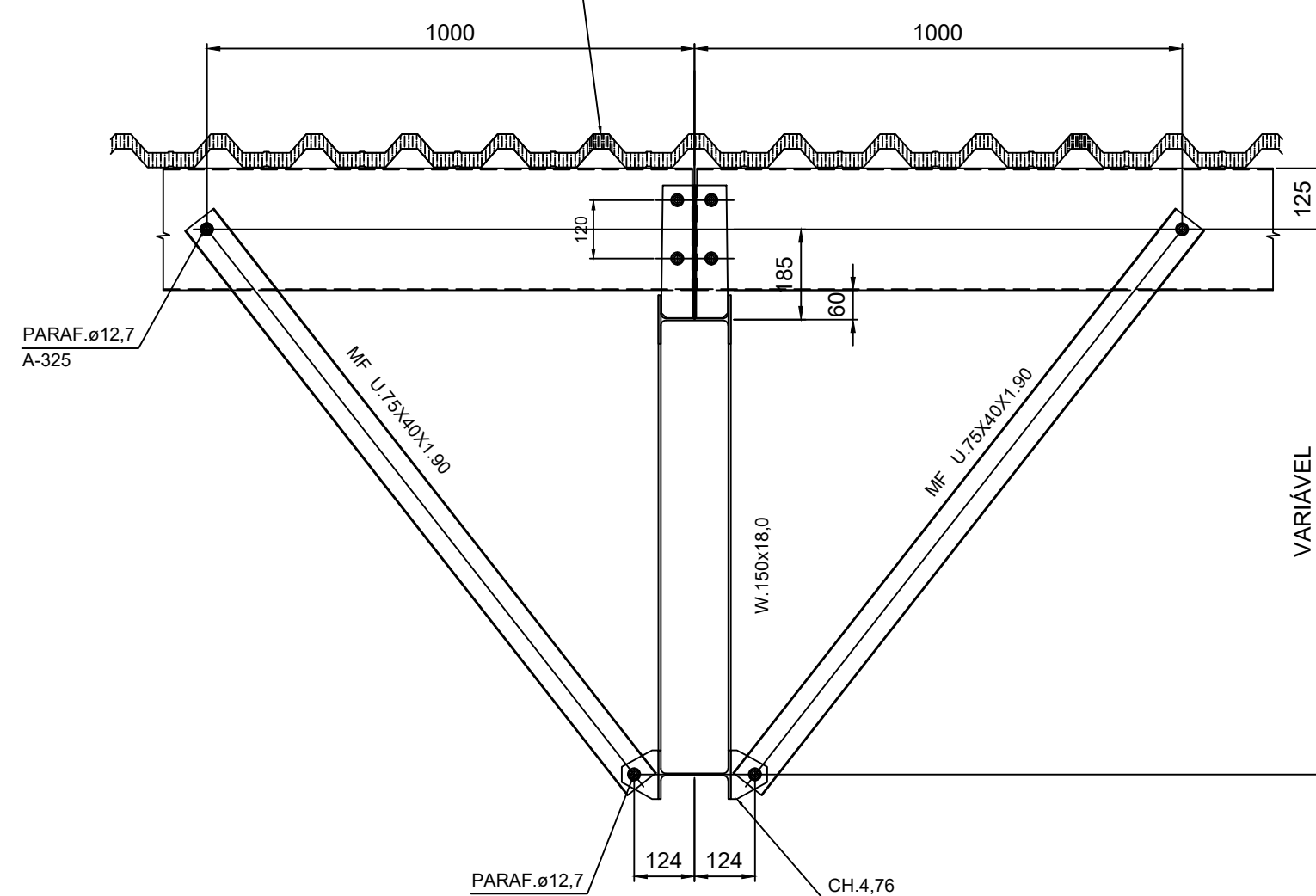




PLANTA DA COBERTURA

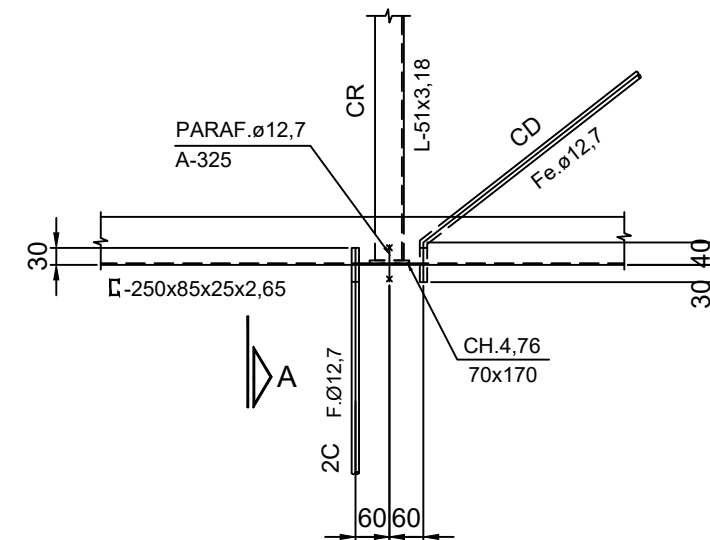
ESC: 1:100  
T - TERÇAS - U 250x85x25x2.65  
CR - CORRENTE RIGIDA - L 51x3.17  
C - CORRENTE SIMPLES - Fc Ø12.7  
CD - CORRENTE DIAGONAL - Fc Ø12.7  
CH - CONTRAV. HORIZONTAL - L 76x4.76  
MF - MÃO FRANCESA - U 75x40x1.9

TELHA TRAPEZOIDAL TR40 DUPLA DE AÇO GALVANIZADO  
Esp. 0.5mm PRE-PINTADA POLIURETANO 30mm



DETALHE MÃO FRANCESA

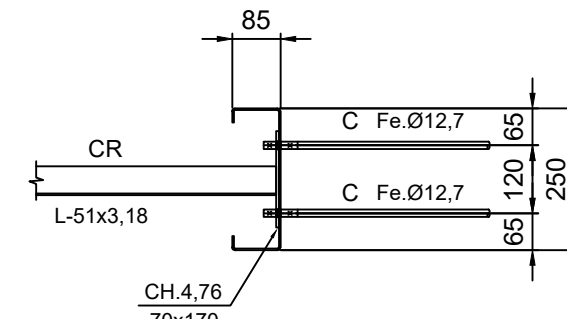
ESC: 1:10



DETALHE PARA CORRENTES

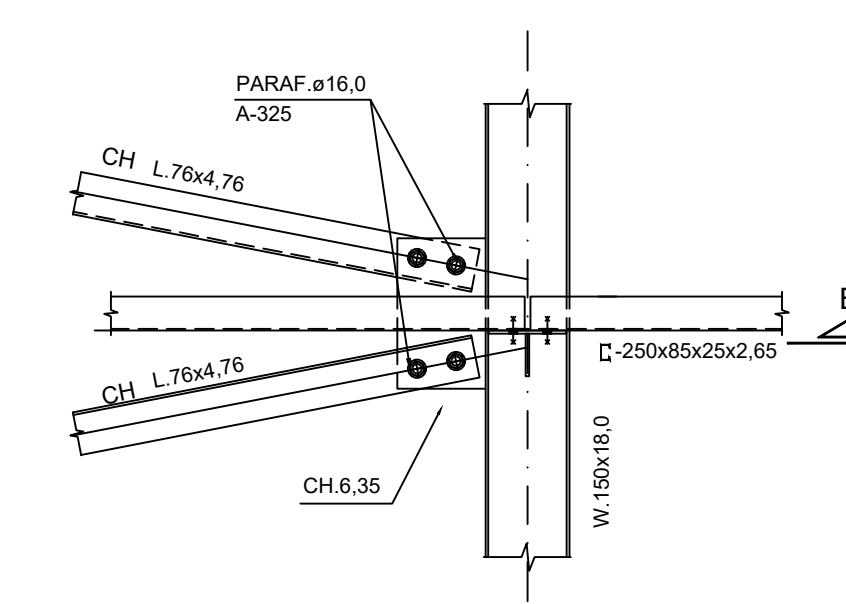
DETALHE 1

ESC: 1:10



CORTE A

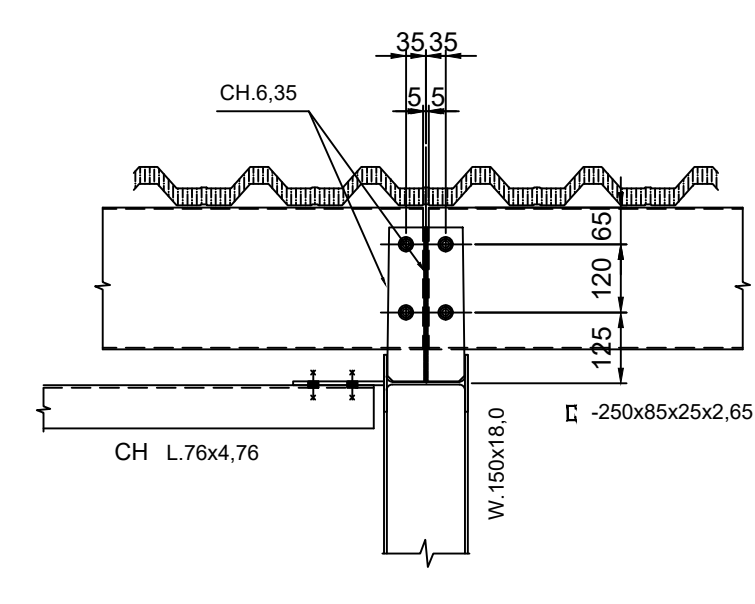
ESC: 1:10



DETALHE PARA CONTRAVENTOS

DETALHE 2

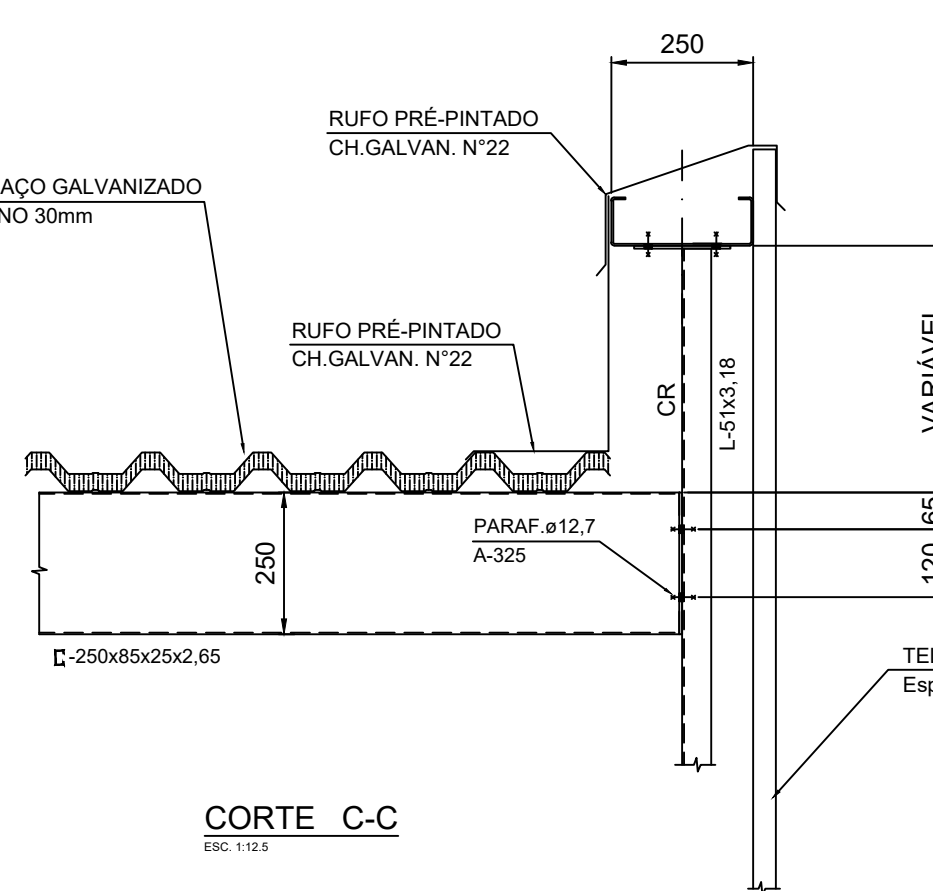
ESC: 1:10



CORTE B

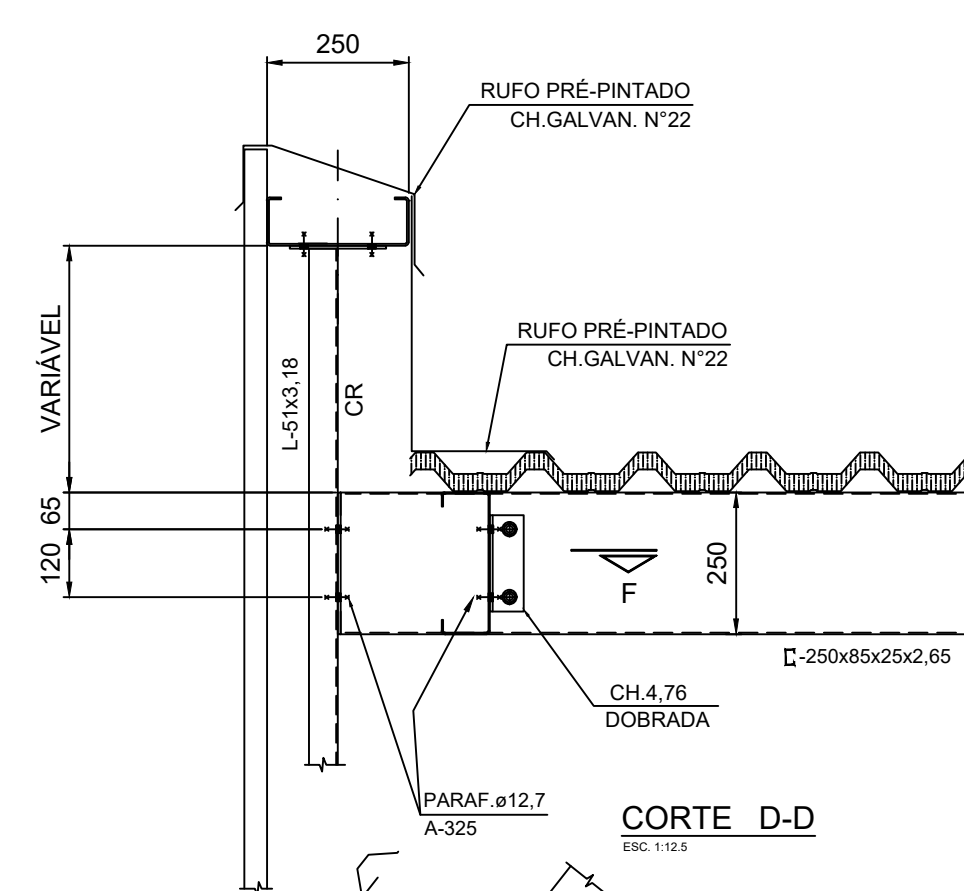
ESC: 1:10

TELHA TRAPEZOIDAL TR40 DUPLA DE AÇO GALVANIZADO  
Esp. 0.5mm PRE-PINTADA POLIURETANO 30mm



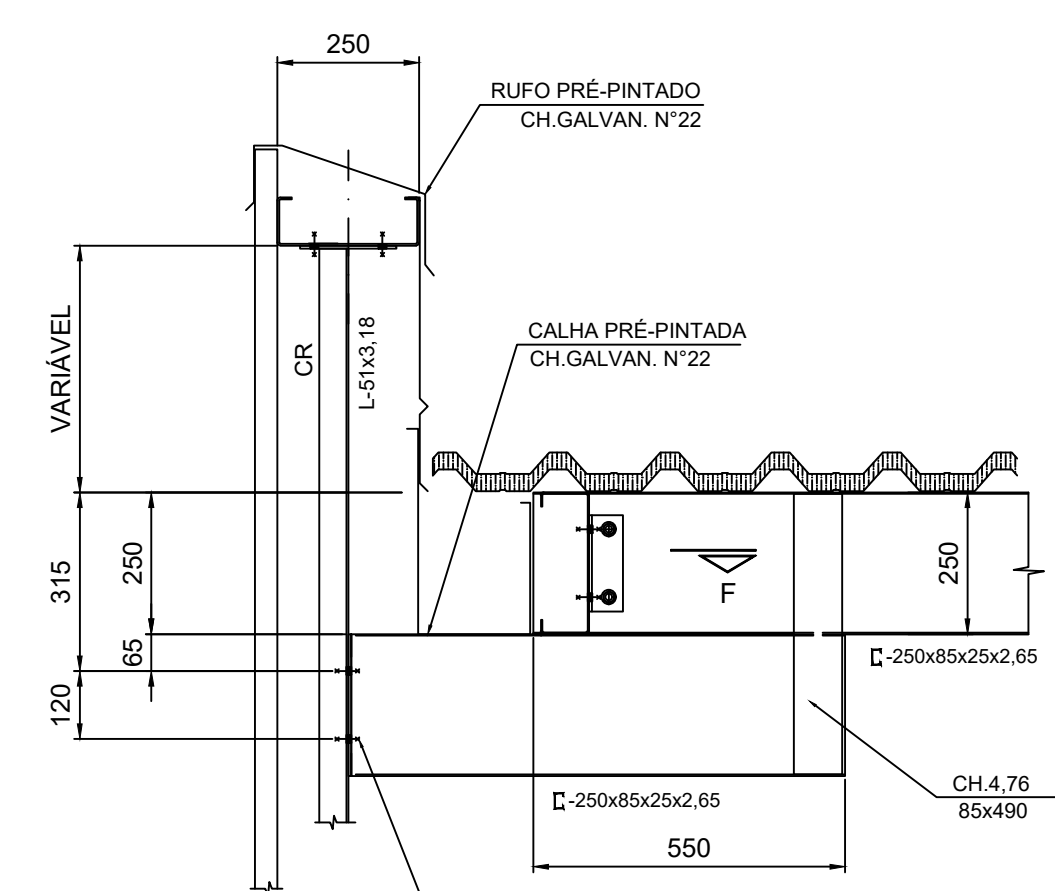
CORTE C-C

ESC: 1:10



CORTE D-D

ESC: 1:10



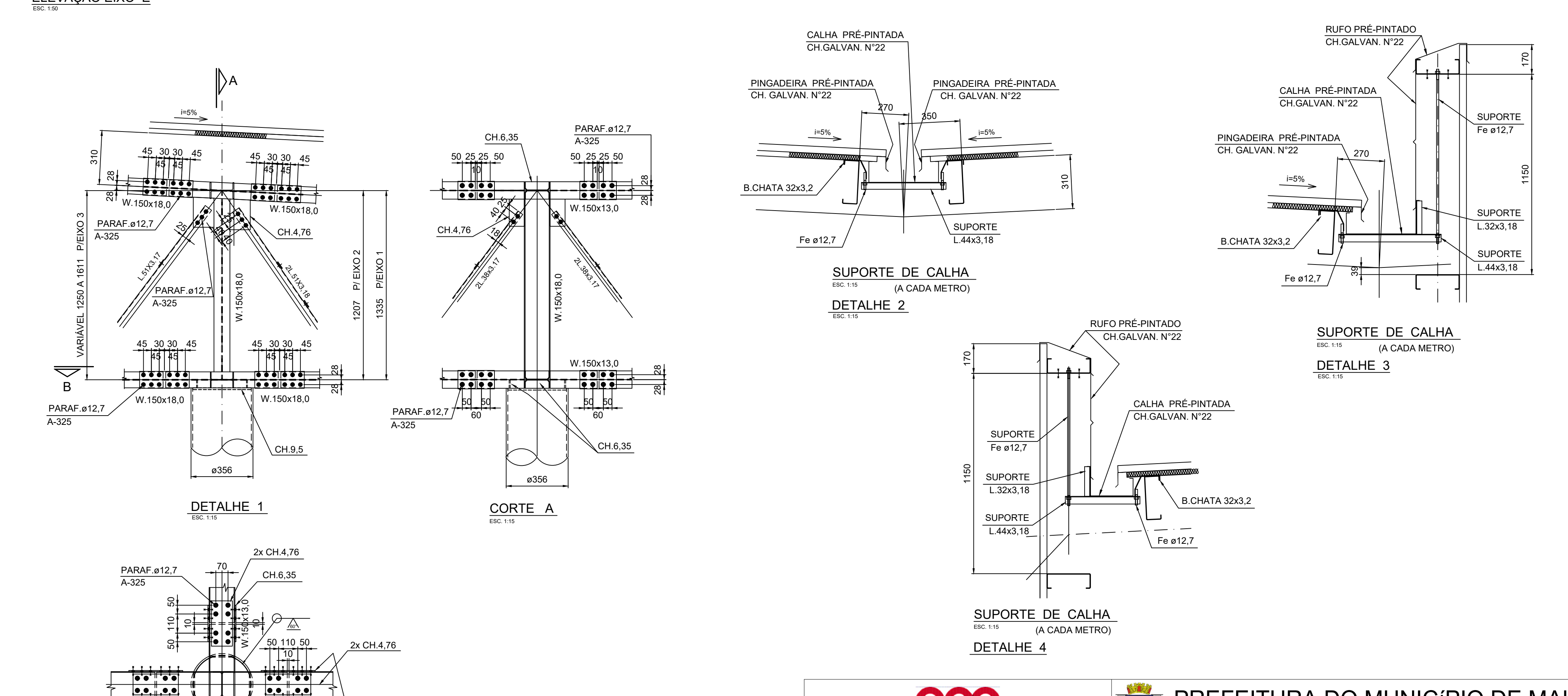
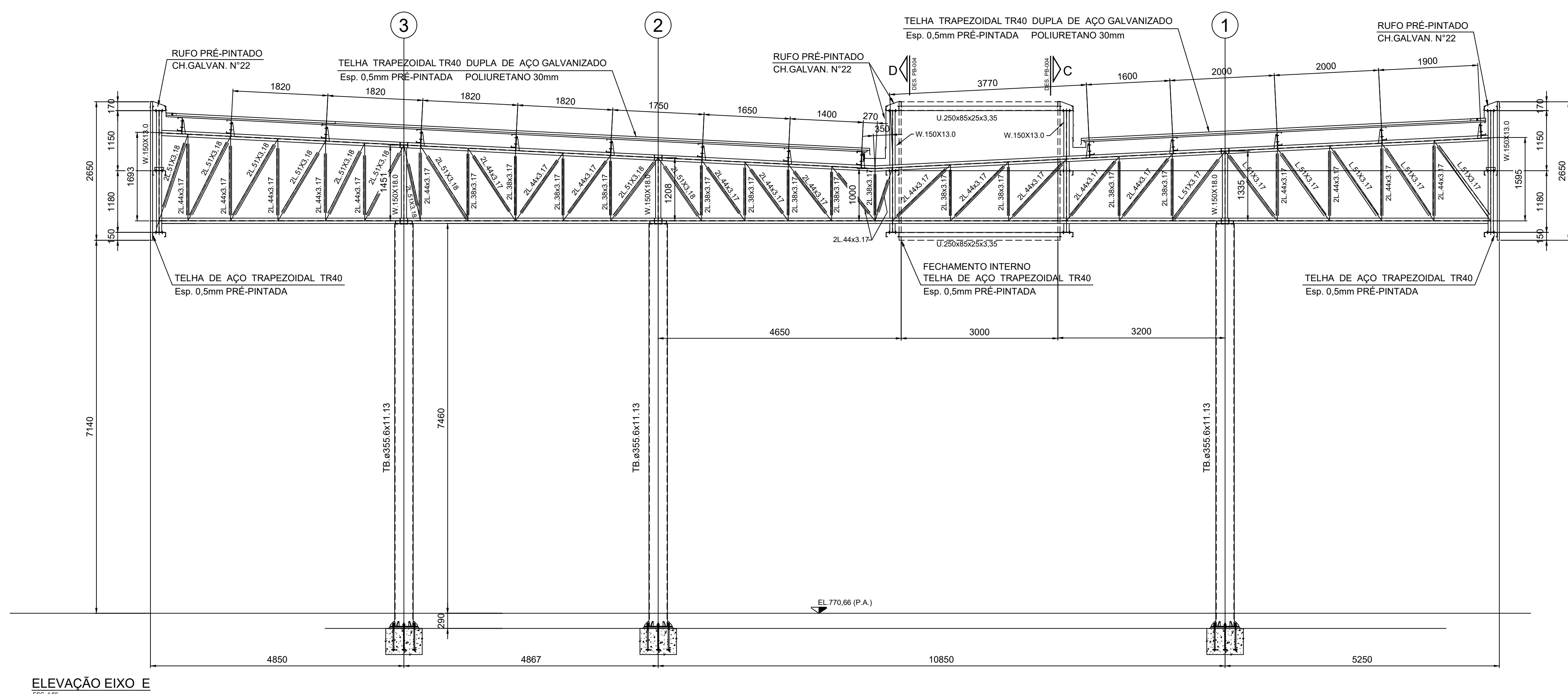
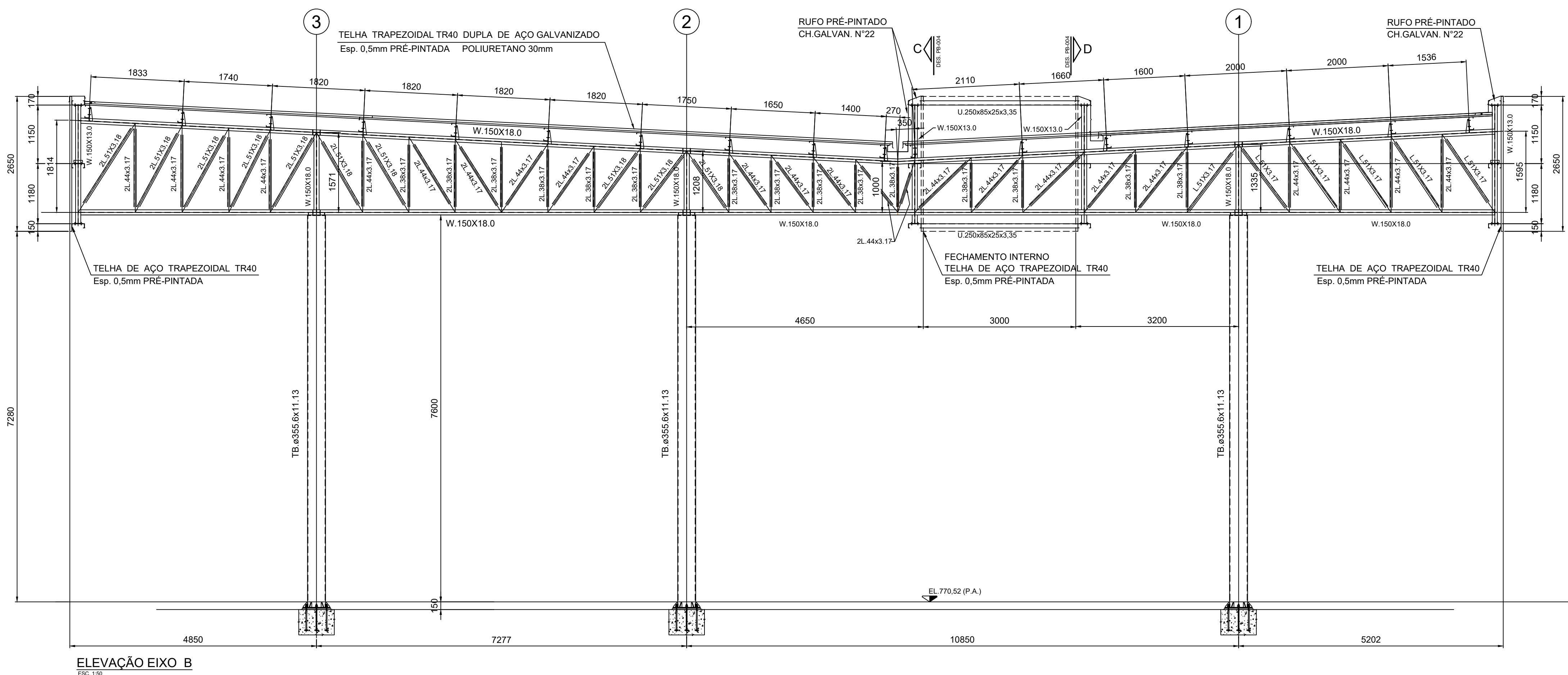
CORTE E-E



ESC: 1:10

PLT	SCALE	1
0.01	COB	
0.15	ARTE	
0.30	MAGENTA	
0.45	BLUE	
0.60	CYAN	
0.75	BROWN	
0.90	YELLOW	
1.05	RED	

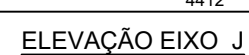
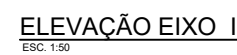
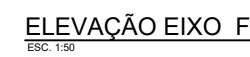
MAU01-ITK-MET-PB-002-R00		MAU01-ITK	
PROJETO BÁSICO DE ESTRUTURA METÁLICA		ESTÁÇÃO TERMINAL - ITAPARK	
DESENVOLVIMENTO: RUCMA		TOTALIZADO: MET	
DESENHO: MSN		DESENHO: 002	
RESP. TÉCNICO: GABRIEL FERIANIC		PROJETO BÁSICO DE ESTRUTURA METÁLICA	
CREA 5061524119-SP		PLANTA DA COBERTURA	
ASSINATURA:		APROVADO POR:	
28/10/2022		00	





		 <b>PREFEITURA DO MUNICÍPIO DE MAUÁ</b> SECRETARIA DE OBRAS	
DESENHO Nº REVISÃO <b>MAU01-1-MET-PB-003-R00</b>	ESCALA <b>1:50</b>	OBJETO <b>PROJETO BÁSICO DE ESTRUTURA METÁLICA          ESTAÇÃO TERMINAL - ITAPARK          MAUÁ - SÃO PAULO</b>	OPERAÇÃO <b>MAU01-ITK</b>
DESENVOLVIDOR <b>RICMA</b>	DESenhado por <b>MSN</b>	PROJETO BÁSICO DE ESTRUTURA METÁLICA ELEVADORES EIXO A ao EIXO E - DETALHES	TRABALHO <b>1-MET</b>
RESP. TÉCNICO <b>Engº CIVIL GABRIEL FERIANÇIC</b>	ARTº Nº <b>28027230230263402</b>		DESº Nº <b>003</b>
ORDEM Nº <b>5061524119-SP</b>	DATA <b>28/02/2022</b>	APROVADO POR: _____ _____	DATA <b>20/10/2022</b>
ASSINATURA _____ _____	ASSINATURA _____ _____	ASSINATURA _____ _____	REVISÃO <b>00</b>



A2-1152m34



PLT SCALE 1:
CONFIRMAÇÃO
0.00
0.15
0.30
0.45
0.60
0.75
0.90
1.05
1.20
1.35
1.50
1.65
1.80
1.95
2.10
2.25
2.40
2.55
2.70
2.85
3.00
3.15
3.30
3.45
3.60
3.75
3.90
4.05
4.20
4.35
4.50
4.65
4.80
4.95
5.10
5.25
5.40
5.55
5.70
5.85
6.00
6.15
6.30
6.45
6.60
6.75
6.90
7.05
7.20
7.35
7.50
7.65
7.80
7.95
8.10
8.25
8.40
8.55
8.70
8.85
9.00
9.15
9.30
9.45
9.60
9.75
9.90
10.05
10.20
10.35
10.50
10.65
10.80
10.95
11.10
11.25
11.40
11.55
11.70
11.85
12.00
12.15
12.30
12.45
12.60
12.75
12.90
13.05
13.20
13.35
13.50
13.65
13.80
13.95
14.10
14.25
14.40
14.55
14.70
14.85
15.00
15.15
15.30
15.45
15.60
15.75
15.90
16.05
16.20
16.35
16.50
16.65
16.80
16.95
17.10
17.25
17.40
17.55
17.70
17.85
18.00
18.15
18.30
18.45
18.60
18.75
18.90
19.05
19.20
19.35
19.50
19.65
19.80
19.95
20.10
20.25
20.40
20.55
20.70
20.85
21.00
21.15
21.30
21.45
21.60
21.75
21.90
22.05
22.20
22.35
22.50
22.65
22.80
22.95
23.10
23.25
23.40
23.55
23.70
23.85
24.00
24.15
24.30
24.45
24.60
24.75
24.90
25.05
25.20
25.35
25.50
25.65
25.80
25.95
26.10
26.25
26.40
26.55
26.70
26.85
27.00
27.15
27.30
27.45
27.60
27.75
27.90
28.05
28.20
28.35
28.50
28.65
28.80
28.95
29.10
29.25
29.40
29.55
29.70
29.85
30.00
30.15
30.30
30.45
30.60
30.75
30.90
31.05
31.20
31.35
31.50
31.65
31.80
31.95
32.10
32.25
32.40
32.55
32.70
32.85
33.00
33.15
33.30
33.45
33.60
33.75
33.90
34.05
34.20
34.35
34.50
34.65
34.80
34.95
35.10
35.25
35.40
35.55
35.70
35.85
36.00
36.15
36.30
36.45
36.60
36.75
36.90
37.05
37.20
37.35
37.50
37.65
37.80
37.95
38.10
38.25
38.40
38.55
38.70
38.85
39.00
39.15
39.30
39.45
39.60
39.75
39.90
40.05
40.20
40.35
40.50
40.65
40.80
40.95
41.10
41.25
41.40
41.55
41.70
41.85
42.00
42.15
42.30
42.45
42.60
42.75
42.90
43.05
43.20
43.35
43.50
43.65
43.80
43.95
44.10
44.25
44.40
44.55
44.70
44.85
45.00
45.15
45.30
45.45
45.60
45.75
45.90
46.05
46.20
46.35
46.50
46.65
46.80
46.95
47.10
47.25
47.40
47.55
47.70
47.85
48.00
48.15
48.30
48.45
48.60
48.75
48.90
49.05
49.20
49.35
49.50
49.65
49.80
49.95
50.10
50.25
50.40
50.55
50.70
50.85
51.00
51.15
51.30
51.45
51.60
51.75
51.90
52.05
52.20
52.35
52.50
52.65
52.80
52.95
53.10
53.25
53.40
53.55
53.70
53.85
54.00
54.15
54.30
54.45
54.60
54.75
54.90
55.05
55.20
55.35
55.50
55.65
55.80
55.95
56.10
56.25
56.40
56.55
56.70
56.85
57.00
57.15
57.30
57.45
57.60
57.75
57.90
58.05
58.20
58.35
58.50
58.65
58.80
58.95
59.10
59.25
59.40
59.55
59.70
59.85
60.00
60.15
60.30
60.45
60.60
60.75
60.90
61.05
61.20
61.35
61.50
61.65
61.80
61.95
62.10
62.25
62.40
62.55
62.70
62.85
63.00
63.15
63.30
63.45
63.60
63.75
63.90
64.05
64.20
64.35
64.50
64.65
64.80
64.95
65.10
65.25
65.40
65.55
65.70
65.85
66.00
66.15
66.30
66.45
66.60
66.75
66.90
67.05
67.20
67.35
67.50
67.65
67.80
67.95
68.10
68.25
68.40
68.55
68.70
68.85
69.00
69.15
69.30
69.45
69.60
69.75
69.90
70.05
70.20
70.35
70.50
70.65
70.80
70.95
71.10
71.25
71.40
71.55
71.70
71.85
72.00
72.15
72.30
72.45
72.60
72.75
72.90
73.05
73.20
73.35
73.50
73.65
73.80
73.95
74.10
74.25
74.40
74.55
74.70
74.85
75.00
75.15
75.30
75.45
75.60
75.75
75.90
76.05
76.20
76.35
76.50
76.65
76.80
76.95
77.10
77.25
77.40
77.55
77.70
77.85
78.00
78.15
78.30
78.45
78.60
78.75
78.90
79.05
79.20
79.35
79.50
79.65
79.80
79.95
80.10
80.25
80.40
80.55
80.70
80.85
81.00
81.15
81.30
81.45
81.60
81.75
81.90
82.05
82.20
82.35
82.50
82.65
82.80
82.95
83.10
83.25
83.40
83.55
83.70
83.85
84.00
84.15
84.30
84.45
84.60
84.75
84.90
85.05
85.20
85.35
85.50
85.65
85.80
85.95
86.10
86.25
86.40
86.55
86.70
86.85
87.00
87.15
87.30
87.45
87.60
87.75
87.90
88.05
88.20
88.35
88.50
88.65
88.80
88.95
89.10
89.25
89.40
89.55
89.70
89.85
90.00
90.15
90.30
90.45
90.60
90.75
90.90
91.05
91.20
91.35
91.50
91.65
91.80
91.95
92.10
92.25
92.40
92.55
92.70
92.85
93.00
93.15
93.30
93.45
93.60
93.75
93.90
94.05
94.20
94.35
94.50
94.65
94.80
94.95
95.10
95.25
95.40
95.55
95.70
95.85
96.00
96.15
96.30
96.45
96.60
96.75
96.90
97.05
97.20
97.35
97.50
97.65
97.80
97.95
98.10
98.25
98.40
98.55
98.70
98.85
99.00
99.15
99.30
99.45
99.60
99.75
99.90
100.05
100.20
100.35
100.50
100.65
100.80
100.95
101.10
101.25
101.40
101.55
101.70
101.85
102.00
102.15
102.30
102.45
102.60
102.75
102.90
103.05
103.20
103.35
103.50
103.65
103.80
103.95
104.10
104.25
104.40
104.55
104.70
104.85
105.00
105.15
105.30
105.45
105.60
105.75
105.90
106.05
106.20
106.35
106.50
106.65
106.80
106.95
107.10
107.25
107.40
107.55
107.70
107.85
108.00
108.15
108.30
108.45
108.60
108.75
108.90
109.05
109.20
109.35
109.50
109.65
109.80
109.95
110.10
110.25
110.40
110.55
110.70
110.85
111.00
111.15
111.30
111.45
111.60
111.75
111.90
112.05
112.20
112.35
112.50
112.65
112.80
112.95
113.10
113.25
113.40
113.55
113.70
113.85
114.00
114.15
114.30
114.45
114.60
114.75
114.90
115.05
115.20
115.35
115.50
115.65
115.80
115.95
116.10
116.25
116.40
116.55
116.70
116.85
117.00
117.15
117.30
117.45
117.60
117.75
117.90
118.05
118.20
118.35
118.50
118.65
118.80
118.95
119.10
119.25
119.40
119.55
119.70
119.85
120.00
120.15
120.30
120.45
120.60
120.75
120.90
121.05
121.20
121.35
121.50
121.65
121.80
121.95
122.10
122.25
122.40
122.55
122.70
122.85
123.00
123.15
123.30
123.45
123.60
123.75
123.90
124.05
124.20
124.35
124.50
124.65
124.80
124.95
125.10
125.25
125.40
125.55
125.70
125.85
126.00
126.15
126.30
126.45
126.60
126.75
126.90
127.05
127.20
127.35
127.50
127.65
127.80
127.95
128.10
128.25
128.40
128.55
128.70
128.85
129.00
129.15
129.30
129.45
129.60
129.75
129.90
130.05
130.20
130.35
130.50





LONGARINAS - U 250x85x25x3,35  
CR - CORRENTE RÍGIDA - L 51x3,17  
C - CORRENTE SIMPLES - Fe Ø12,7  
CD - CORRENTE DIAGONAL - Fe Ø12,7



FC0	FC2 (x1)
ACCESS0.1	



FC3 (x1)



TO FC4 (x1)



FC5 (x1)



FECHAMENTO FC6 (x1)



**FECHAMENTO FC7 (x7)**



**FECHAMENTO FC8 (x1)**



FECHAMENTO	FC9 (x1)
ESC. 128	ACERVO 6



FECHAMENTO	FC11 (x1
ENC. 1.90	ACERVO. 4



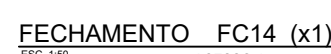
FECHAMENTO FC10 (x1)



FECHAMENTO FC12 (x1)



FECHAMENTO FC13 (x)



FECHAMENTO FC14 (x1)

LONGARINAS - U 250x85x25x3,35  
CR - CORRENTE RÍGIDA - L 51x3,17  
C - CORRENTE SIMPLES - Fe Ø12,7  
CD - CORRENTE DIAGONAL - Fe Ø12,7



FECHAMENTO FC15 (x6)



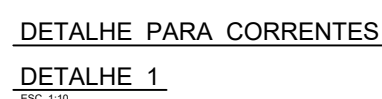
FECHAMENTO FC16 (x8)



FECHAMENTO FC17 (x4)  
E3C.150 INTERNO FIVOS R.F.F.I.



CORTE A-A



DETALHE PARA CORRENTES  
DETALHE 1  
8,33" 1:50



CORTE B



**DETALHE 2**  
ESQ. 1:10



CORTE C  
ESQ. 1-10

CORTE D



### DETALHE 3



