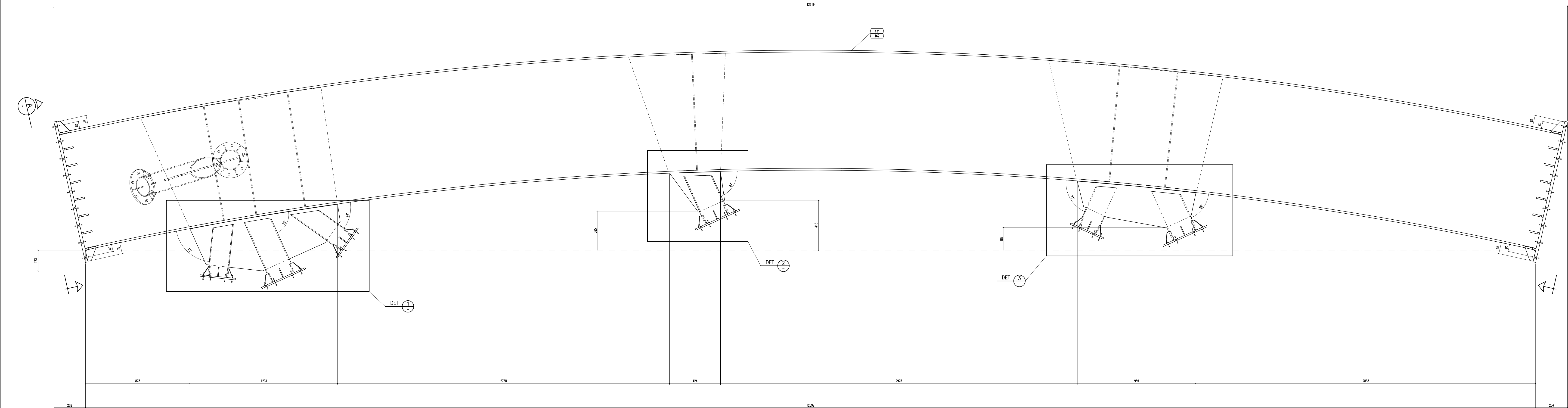
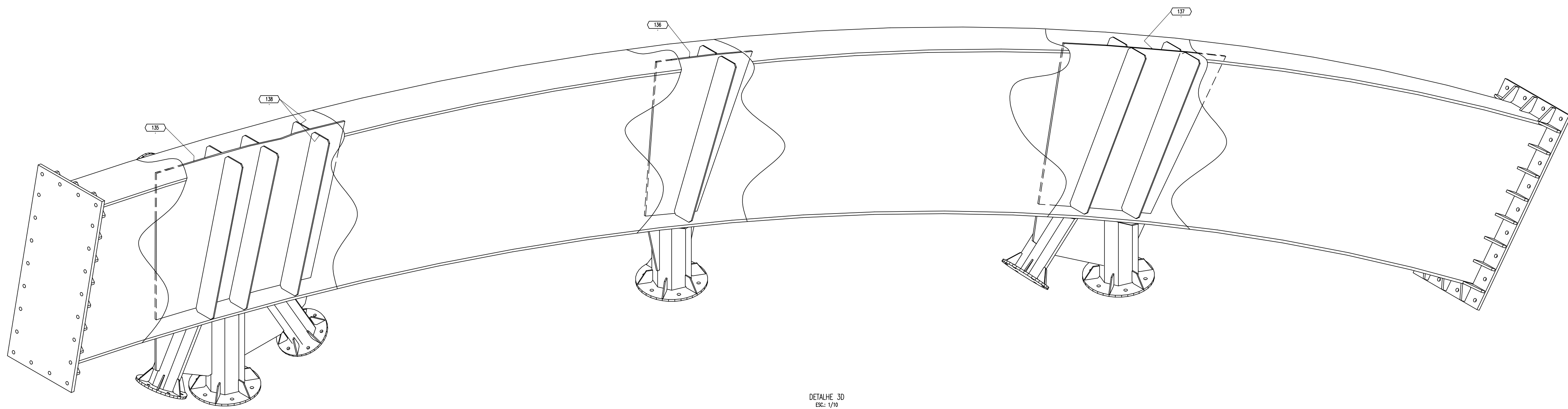
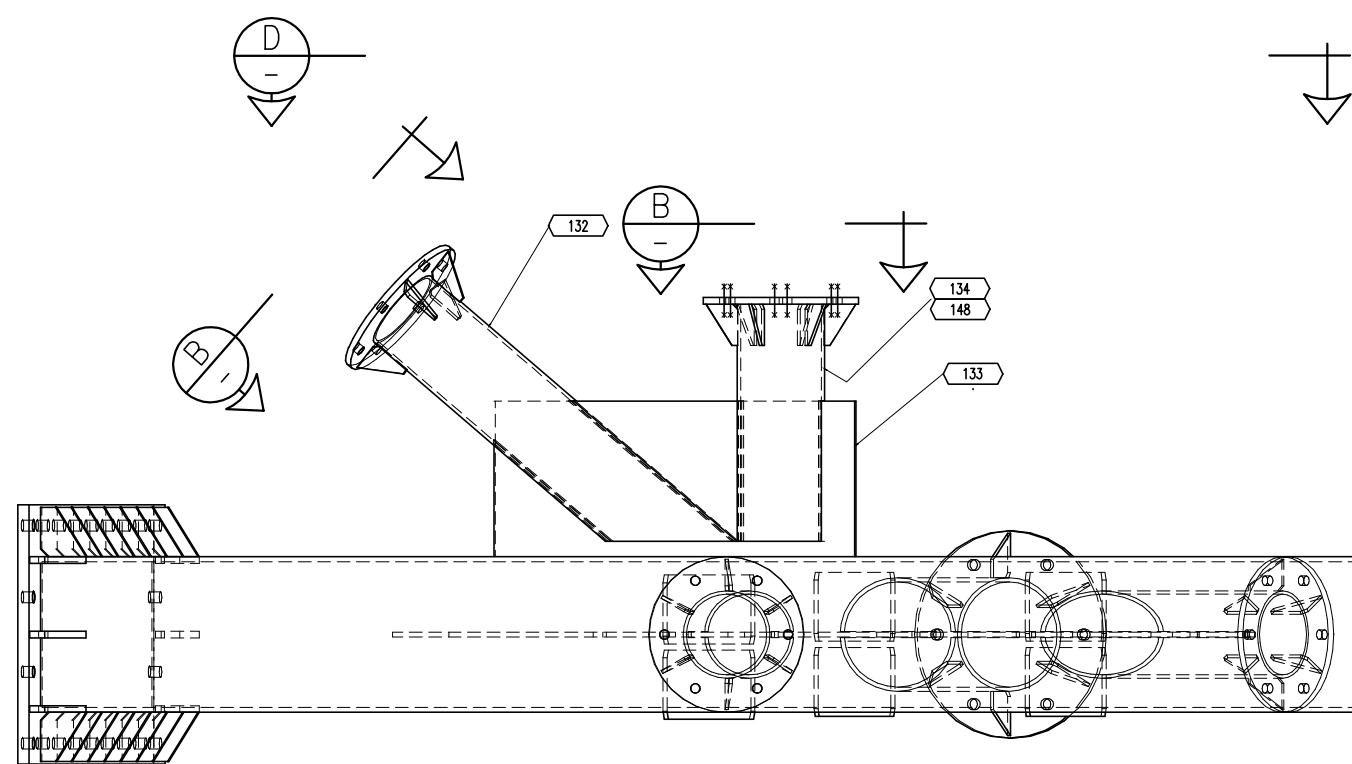


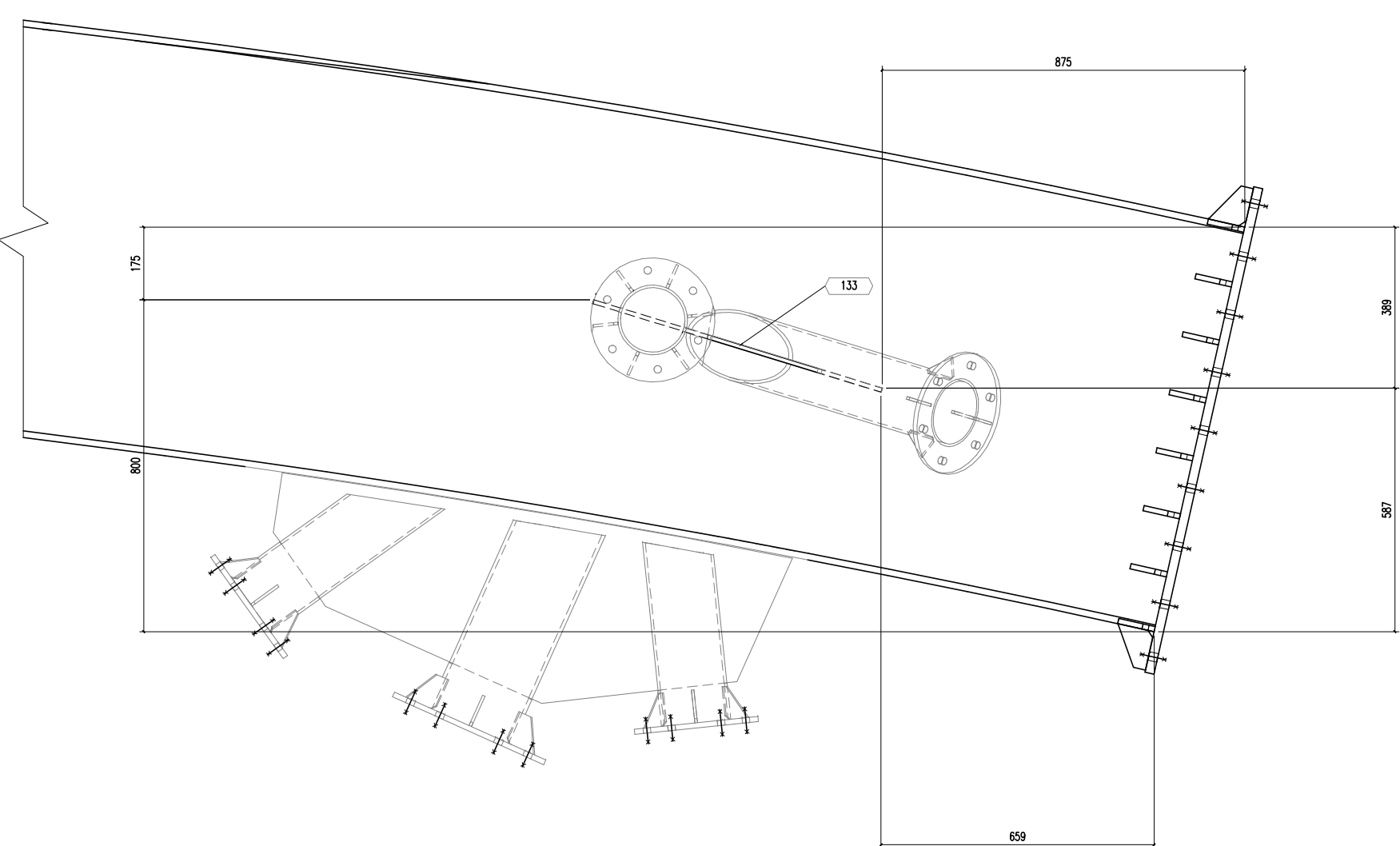
1 0,1
2 0,15
3 0,35
4 0,3
5 0,25
6 0,2
8 0,1
COR Esp.



PPB-104 PL.1 ONDETA - CONFORME O DESENHO
DET. 1/16
PPB-105 PL.1 ONDETA - CONFORME O DESENHO
DET. 1/16
PPB-106 PL.1 ONDETA - CONFORME O DESENHO
DET. 1/16
PPB-107 PL.1 ONDETA - CONFORME O DESENHO
DET. 1/16
PPB-108 PL.1 ONDETA - CONFORME O DESENHO
DET. 1/16

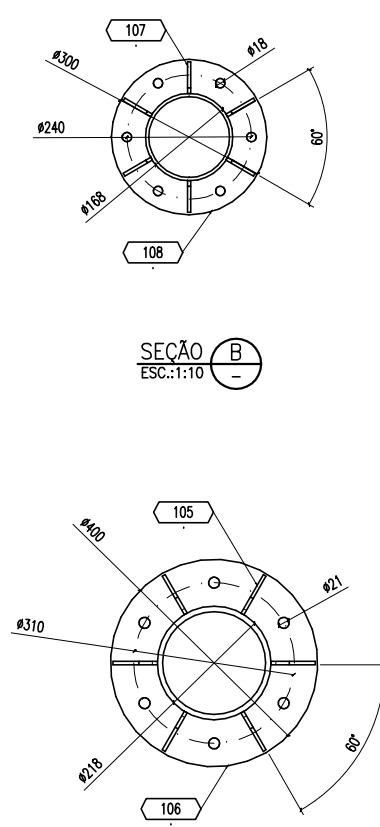


DETALHE 3D
DET. 1/16

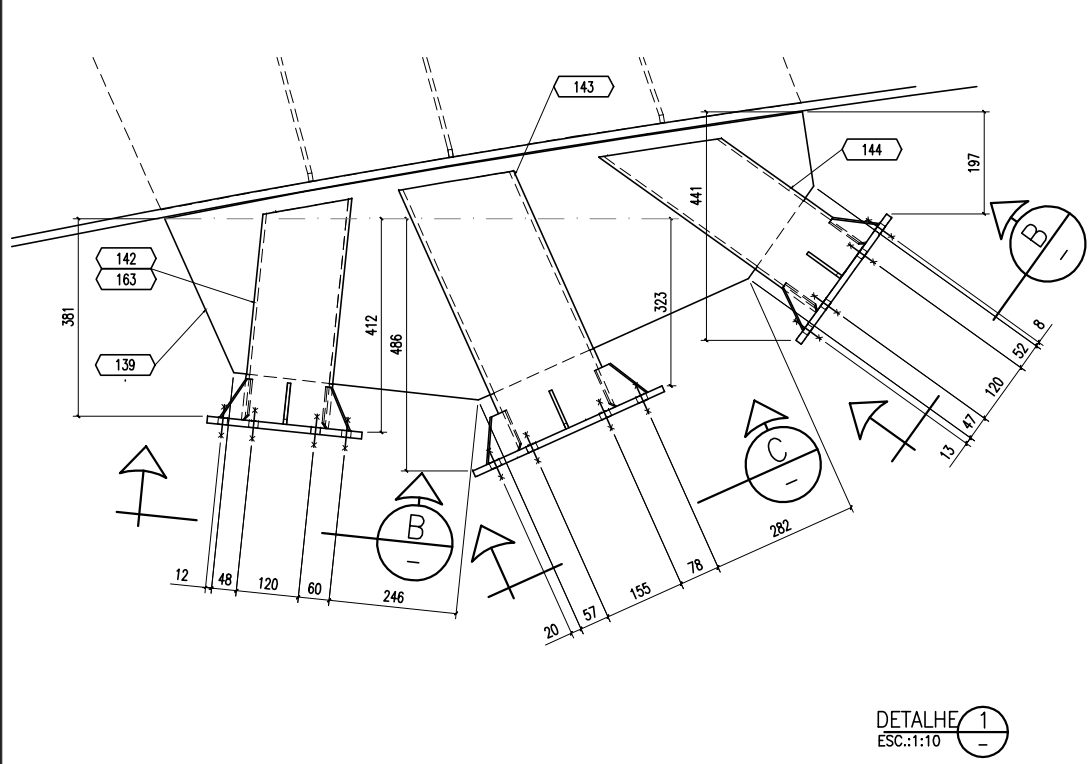


SEÇÃO
DETALHE

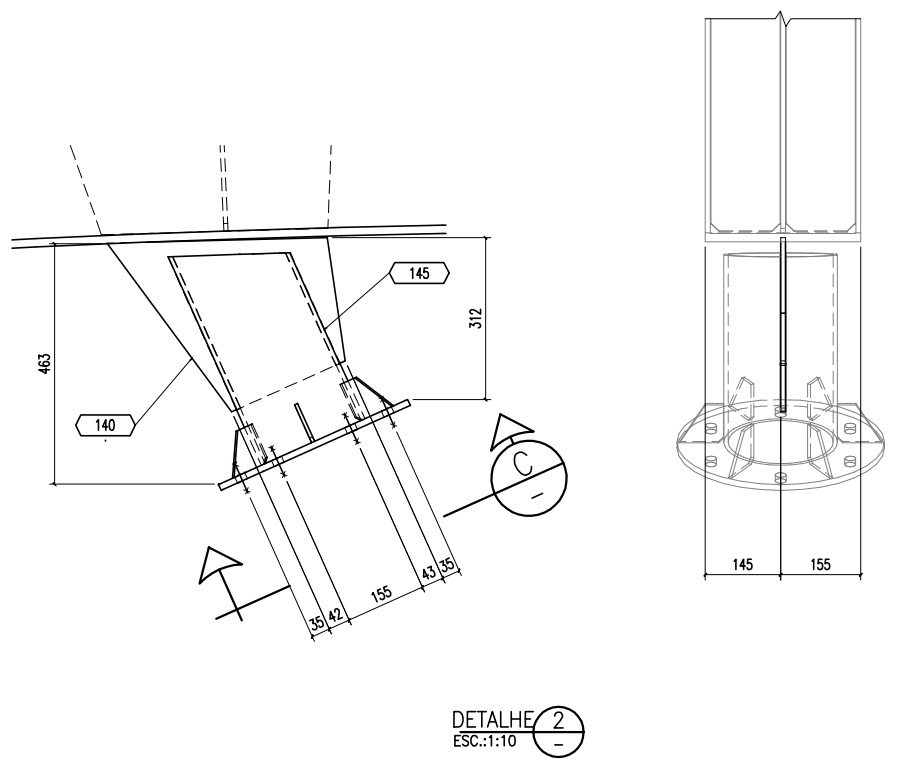
PPB-109	1	TR-1000X300X10X16		3595.5	3595.5	24.2
105	18	Lom 6.3 x 80.0 x 85.9	SAC-350	0.2	3.6	0.3
106	3	Lom 12.5 x 400.0 x 400.0	SAC-350	12.3	36.9	1.0
107	30	Lom 6.3 x 80.0 x 61.2	SAC-350	0.1	3.0	0.4
108	5	Lom 12.5 x 300.0 x 300.0	SAC-350	6.9	34.5	1.0
111	44	Lom 12.5 x 90.0 x 95.0	SAC-350	0.5	22.0	1.0
112	2	Lom 22.0 x 500.0 x 1200.0	SAC-350	103.6	207.2	2.6
132	1	TC168X6 x 803.5	SAC-350	24.9	24.9	0.4
133	1	Lom 9.5 x 300.0 x 727.5	SAC-350	16.3	16.3	0.5
134	1	TC168X6 x 457.5	SAC-350	16.1	16.1	0.2
135	1	Lom 9.5 x 1477.2 x 1309.4	SAC-350	99.9	99.9	3.9
136	1	Lom 9.5 x 772.3 x 1138.1	SAC-350	44.9	44.9	1.8
137	1	Lom 9.5 x 1383.2 x 1334.8	SAC-350	88.9	88.9	3.7
138	12	Lom 8.0 x 133.0 x 966.0	SAC-350	8.0	96.0	3.3
139	1	Lom 9.5 x 567.2 x 1207.0	SAC-350	32.3	32.3	1.4
140	1	Lom 9.5 x 331.3 x 454.1	SAC-350	7.3	7.3	0.3
141	1	Lom 9.5 x 322.8 x 993.8	SAC-350	19.3	19.3	0.7
143	1	TC219X8 x 550.5	SAC-350	24.8	24.8	0.4
144	1	TC168X6 x 511.9	SAC-350	14.8	14.8	0.3
145	1	TC219X8 x 439.1	SAC-350	20.6	20.6	0.3
146	1	TC168X6 x 424.4	SAC-350	12.3	12.3	0.2
147	1	TC219X8 x 450.1	SAC-350	20.6	20.6	0.3
148	1	TC168X6 x 457.5	SAC-350	16.1	16.1	0.2
162	1	TR-1000X300X10X16	SAC-350	2737.0	2737.0	32.3



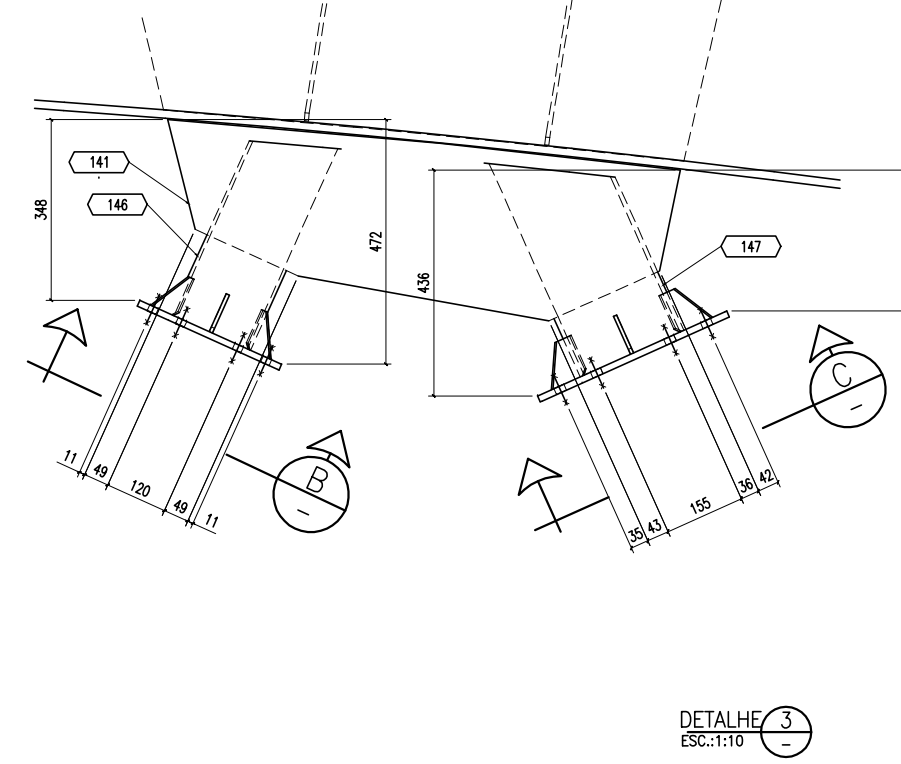
SEÇÃO
DETALHE



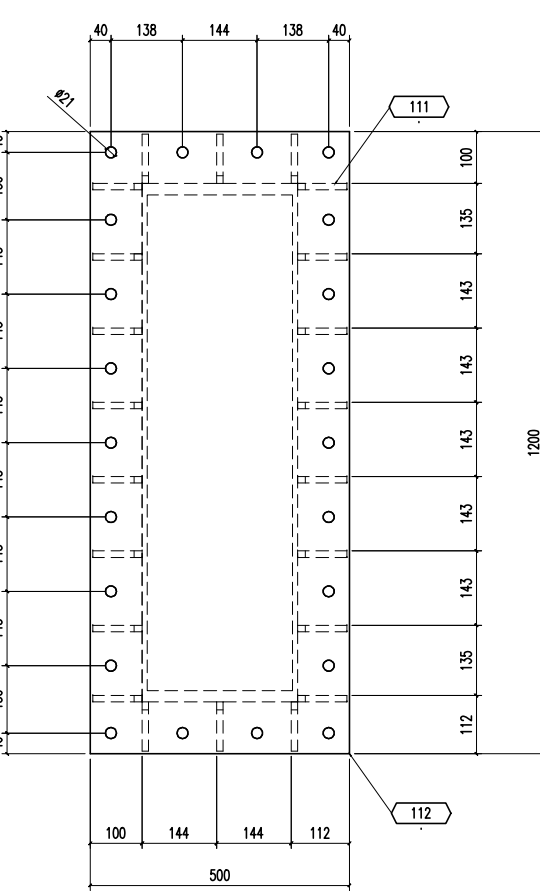
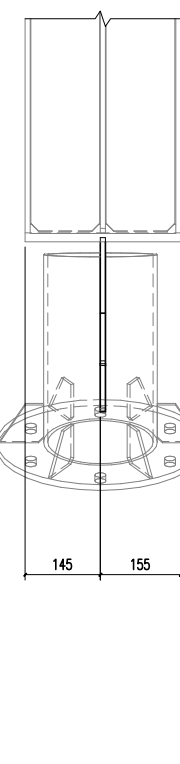
DETALHE
DETALHE



DETALHE
DETALHE



DETALHE
DETALHE



SEÇÃO
DETALHE

LISTA MATERIAIS						
PESO TOTAL: 14382.0 kg.			SUPERFICIE A TRATAR: 161.2 m²			
MAR. POS.	QTDE	DESCRIÇÃO	MAT.	Peso		AREA m²
				Unit.	Tot.	
PPB-104	1	TR-1000X300X10X16		3595.5	3595.5	56.4
105	18	Lom 6.3 x 80.0 x 85.9	SAC-350	0.2	3.6	0.3
106	3	Lom 12.5 x 400.0 x 400.0	SAC-350	12.3	36.9	1.0
107	30	Lom 6.3 x 80.0 x 61.2	SAC-350	0.1	3.0	0.4
108	5	Lom 12.5 x 300.0 x 300.0	SAC-350	6.9	34.5	1.0
111	44	Lom 12.5 x 90.0 x 95.0	SAC-350	0.5	22.0	1.0
112	2	Lom 22.0 x 500.0 x 1200.0	SAC-350	103.6	207.2	2.6
131	1	TR-1000X300X10X16 x 12413.5	SAC-350	2737.0	2737.0	32.3
132	1	TC168X6 x 803.5	SAC-350	24.9	24.9	0.4
133	1	Lom 9.5 x 300.0 x 727.5	SAC-350	16.3	16.3	0.5
134	1	TC168X6 x 457.5	SAC-350	16.1	16.1	0.2
135	1	Lom 9.5 x 1477.2 x 1309.4	SAC-350	99.9	99.9	3.9
136	1	Lom 9.5 x 772.3 x 1138.1	SAC-350	44.9	44.9	1.8
137	1	Lom 9.5 x 1383.2 x 1334.8	SAC-350	88.9	88.9	3.7
138	12	Lom 8.0 x 133.0 x 966.0	SAC-350	8.0	96.0	3.3
139	1	Lom 9.5 x 567.2 x 1207.0	SAC-350	32.3	32.3	1.4
140	1	Lom 9.5 x 331.3 x 454.1	SAC-350	7.3	7.3	0.3
141	1	Lom 9.5 x 322.8 x 993.8	SAC-350	19.3	19.3	0.7
142	1	TC168X6 x 445.6	SAC-350	12.3	12.3	0.2
143	1	TC219X8 x 550.5	SAC-350	24.8	24.8	0.4
144	1	TC168X6 x 511.9	SAC-350	14.8	14.8	0.3
145	1	TC219X8 x 439.1	SAC-350	20.6	20.6	0.3
146	1	TC168X6 x 424.4	SAC-350	12.3	12.3	0.2
147	1	TC219X8 x 450.1	SAC-350	20.6	20.6	0.3
147	1	TC219X8 x 450.1	SAC-350	20.6	20.6	0.3
PPB-105	1	TR-1000X300X10X16 - 12413.5		3595.5	3595.5	56.4
105	18	Lom 6.3 x 80.0 x 85.9	SAC-350	0.2	3.6	0.3
106	3	Lom 12.5 x 400.0 x 400.0	SAC-350	12.3	36.9	1.0
107	30	Lom 6.3 x 80.0 x 61.2	SAC-350	0.1	3.0	0.4
108	5	Lom 12.5 x 300.0 x 300.0	SAC-350	6.9	34.5	1.0
111	44	Lom 12.5 x 90.0 x 95.0	SAC-350	0.5	22.0	1.0
112	2	Lom 22.0 x 500.0 x 1200.0	SAC-350	103.6	207.2	2.6
131	1	TR-1000X300X10X16 x 12413.5	SAC-350	2737.0	2737.0	32.3
132	1	TC168X6 x 803.5	SAC-350	24.9	24.9	0.4
133	1	Lom 9.5 x 300.0 x 727.5	SAC-350	16.3	16.3	0.5
135	1	Lom 9.5 x 1477.2 x 1309.4	SAC-350	99.9	99.9	3.9
136	1	Lom 9.5 x 772.3 x 1138.1	SAC-350	44.9	44.9	1.8
137	1	Lom 9.5 x 1383.2 x 1334.8	SAC-350	88.9	88.9	3.7
138	12	Lom 8.0 x 133.0 x 966.0	SAC-350	8.0	96.0	3.3
139	1	Lom 9.5 x 567.2 x 1207.0	SAC-350	32.3	32.3	1.4
140	1	Lom 9.5 x 331.3 x 454.1	SAC-350	7.3	7.3	0.3
141	1	Lom 9.5 x 322.8 x 993.8	SAC-350	19.3	19.3	0.7
142	1	TC168X6 x 445.6	SAC-350	12.3	12.3	0.2
143	1	TC219X8 x 550.5	SAC-350	24.8	24.8	0.4
144	1	TC168X6 x 511.9	SAC-350	14.8	14.8	0.3
145	1	TC219X8 x 439.1	SAC-350	20.6	20.6	0.3
146	1	TC168X6 x 424.4	SAC-350	12.3	12.3	0.2
147	1	TC219X8 x 450.1	SAC-350	20.6	20.6	0.3
148	1	TC168X6 x 457.5	SAC-350	16.1	16.1	0.2
PPB-108	1	TR-1000X300X10X16		3595.5	3595.5	24.2
105	18	Lom 6.3 x 80.0 x 85.9	SAC-350	0.2	3.6	0.3
106	3	Lom 12.5 x 400.0 x 400.0	SAC-350	12.3	36.9	1.0
107	30	Lom 6.3 x 80.0 x 61.2	SAC-350	0.1	3.0	0.4
108	5	Lom 12.5 x 300.0 x 300.0	SAC-350	6.9	34.5	1.0
111	44	Lom 12.5 x 90.0 x 95.0	SAC-350	0.5	22.0	1.0
112	2	Lom 22.0 x 500.0 x 1200.0	SAC-350	103.6	207.2	2.6
132	1	TC168X6 x 803.5	SAC-350	24.9	24.9	0.4
133	1	Lom 9.5 x 300.0 x 727.5	SAC-350	16.3	16.3	0.5
135	1	Lom 9.5 x 1477.2 x 1309.4	SAC-350	99.9	99.9	3.9
136	1	Lom 9.5 x 772.3 x 1138.1	SAC-350	44.9	44.9	1.8
137	1	Lom 9.5 x 1383.2 x 1334.8	SAC-350	88.9	88.9	3.7
138	12	Lom 8.0 x 133.0 x 966.0	SAC-350	8.0	96.0	3.3
139	1	Lom 9.5 x 567.2 x 1207.0	SAC-350	32.3	32.3	1.4
140	1	Lom 9.5 x 331.3 x 454.1	SAC-350	7.3	7.3	0.3
141	1	Lom 9.5 x 322.8 x 993.8	SAC-350	19.3	19.3	0.7
142	1	TC168X6 x 445.6	SAC-350	12.3	12.3	0.2
143	1	TC219X8 x 550.5	SAC-350	24.8	24.8	0.4
144	1	TC168X6 x 511.9	SAC-350	14.8	14.8	0.3
145	1	TC219X8 x 439.1	SAC-350	20.6	20.6	0.3
146	1	TC168X6 x 424.4	SAC-350	12.3	12.3	0.2
147	1	TC219X8 x 450.1	SAC-350	20.6	20.6	0.3
148	1	TC168X6 x 457.5	SAC-350	16.1	16.1	0.2
162	1	TR-1000X300X10X16	SAC-350	2737.0	2737.0	32.3

- 1) TODAS DIMENSÕES EM MILÍMETROS
2) UTILIZAR ELETRODOS AWS E 70-18 60-13
3) TODOS OS PARAFUSOS SÃO ASTM A-325 COM PORCAS E ARRUELAS LISAS(E.A.)
4) FUROS NÃO COTADOS Ø14 mm
5) TODOS OS CHANFROS A 45° (E.A.)

0	EMIÇÃO INICIAL	28/12/16	ARTUR	MÁRCIO	ARI
DESCRIÇÃO					
AS INFORMAÇÕES DESTA DOCUMENTO SÃO PROPRIEDADE DA HISPANOIEBESA, SENDO PROIBIDA A UTILIZAÇÃO FORA DA SUA FINALIDADE.					
Celi Solidez e Qualidade PCAE ENGENHARIA PROJETOS DE ENGENHARIA DESIGN DESIGN					
EMPRESA BRASILEIRA DE EQUIPAMENTOS S/A Rua Costa Barros, 915 Sl 207 - Edifício Ebano - Aldeota CEP: 60160-280- Fortaleza - CE Fone/Fax: (85) 3236-1744					
CLIENTE: CONSTRUTORA CELI					
OBRA: PONTE PEDRA BRANCA					
ASSUNTO: DETALHAMENTO DO ARCO DA PONTE					
PROJ: PCA	EXEC: EBESA	VERIF: MÁRCIO	APROV: HUDSON		
ESCALA: INDICADA	O.F.: 431			FOLHA: 03/XX	
DATA: 28/12/16	Nº:	EM-129.16MH-F003_R0			