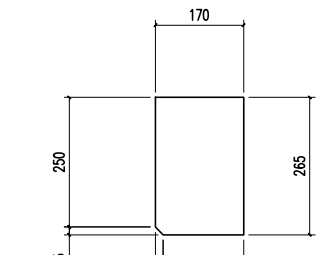
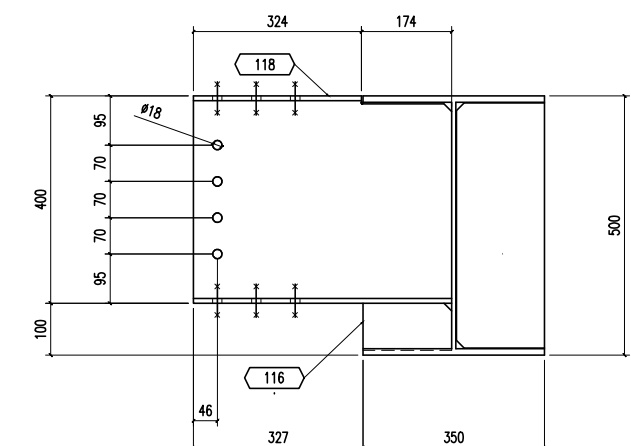
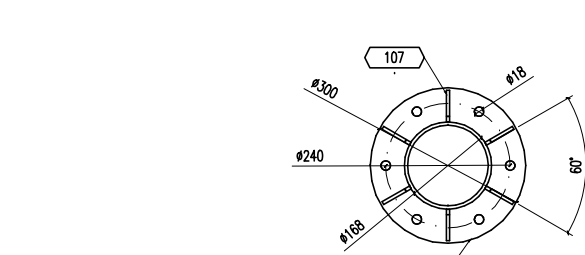
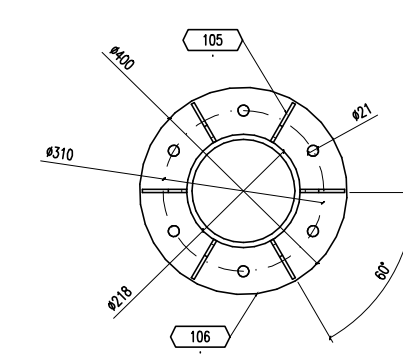
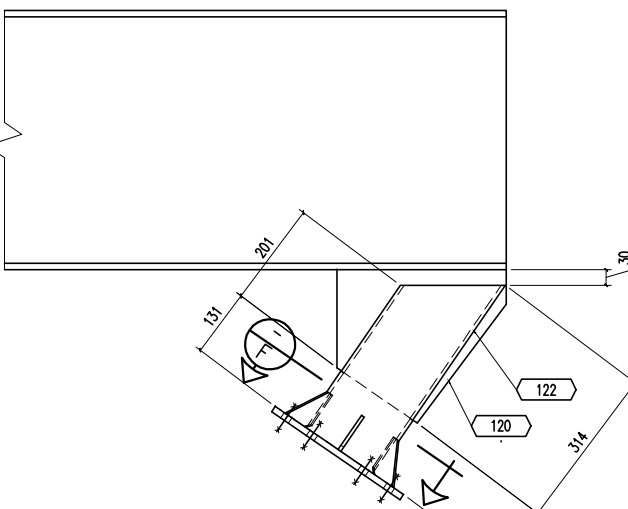
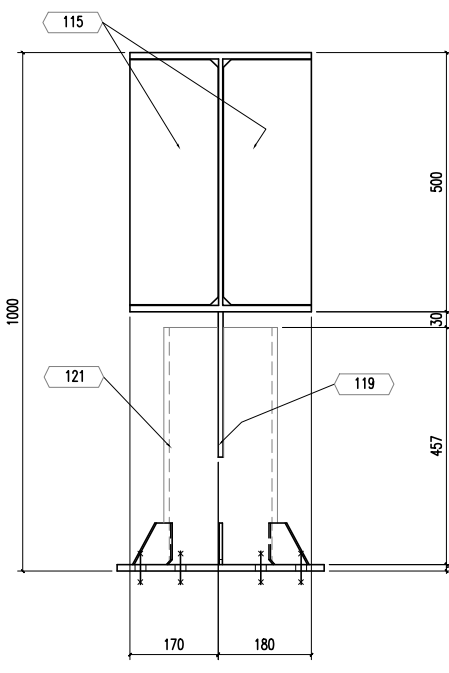
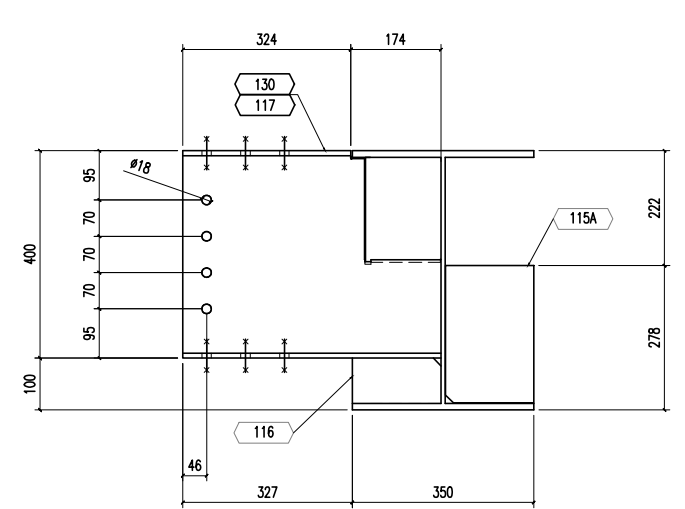
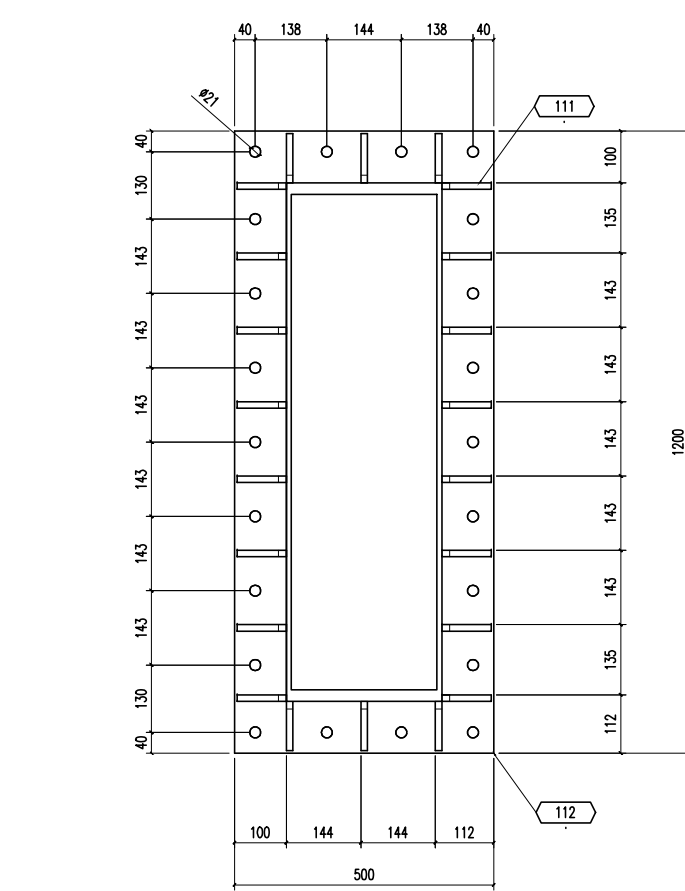
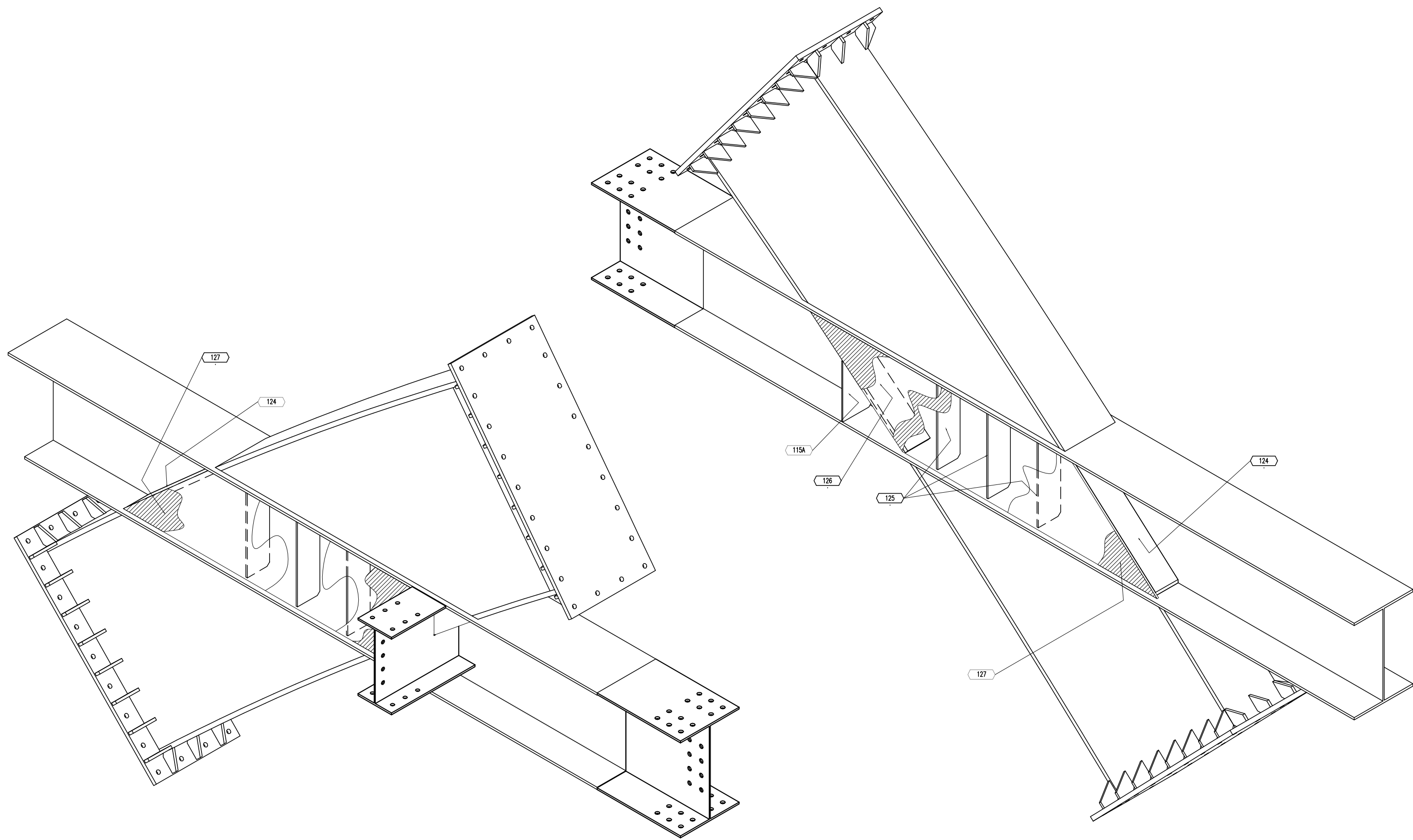


1 0,1
2 0,15
3 0,35
4 0,3
5 0,25
6 0,2
8 0,1
COR Esp.

FORMATO A0
ESCALA DE PLOTAGEM - 1/1



- 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) FUIROS NÃO COTADOS Ø14 mm
5) TODOS OS CHANFROS A 45° (E.A.)

0	EMIÇÃO INICIAL	28/12/16	ARTUR	MÁRCIO	ARI
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AS INFORMAÇÕES DESTA DOCUMENTAÇÃO SÃO PROPRIEDADE DA HISPANOIERESA, SENDO PROIBIDA A UTILIZAÇÃO FORA DA SUA FINALIDADE.



EBESA EMPRESA BRASILEIRA DE EQUIPAMENTOS S/A
Rua Costa Barros, 915 Sl 207 - Edifício Ebano - Aldesota 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.:	—		FOLHA:	02/XX	
DATA:	28/12/16	Nº:	EM-129.16MH-F002_R0				

							LISTA MATERIAIS						
							PESO TOTAL: 9582.0 kg.				SUPERFICIE A TRATAR: 163.6 m²		
MAR. POS.	QTDE	DESCRIÇÃO	MAT.	Peso		AREA	MAR. POS.	QTDE	DESCRIÇÃO	MAT.	Peso		AREA
				Unit.	Tot.	m²					Unit.	Tot.	m²
PPB-111	1	PS500X350X8X12.5 - 8450		2395.5	2395.5	36.1	PPB-102	1	PS500X350X8X12.5 - 8450		2395.5	2395.5	45.7
105	6	Lom 6.3 x 80.0 x 85.9	SAC-350	0.2	1.2	0.1	105	6	Lom 6.3 x 80.0 x 85.9	SAC-350	0.2	1.2	0.1
106	1	Lom 12.5 x 400.0 x 400.0	SAC-350	12.3	12.3	0.3	106	1	Lom 12.5 x 400.0 x 400.0	SAC-350	12.3	12.3	0.3
107	6	Lom 6.3 x 80.0 x 61.2	SAC-350	0.1	0.6	0.1	107	6	Lom 6.3 x 80.0 x 61.2	SAC-350	0.1	0.6	0.1
108	1	Lom 12.5 x 300.0 x 300.0	SAC-350	6.9	6.9	0.2	108	1	Lom 12.5 x 300.0 x 300.0	SAC-350	6.9	6.9	0.2
111	44	Lom 12.5 x 90.0 x 95.0	SAC-350	0.5	22.0	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	112	2	Lom 22.0 x 500.0 x 1200.0	SAC-350	103.6	207.2	2.6
114	1	PS500X350X8X12.5 x 8450.0	SAC-350	832.5	832.5	20.1	114	1	PS500X350X8X12.5 x 8450.0	SAC-350	832.5	832.5	20.1
115	6	Lom 6.3 x 473.0 x 170.0	SAC-350	4.0	24.0	1.0	115	6	Lom 6.3 x 473.0 x 170.0	SAC-350	4.0	24.0	1.0
115A	1	Lom 6.3 x 265.0 x 170.0	SAC-350	4.0	4.0	0.2	115A	1	Lom 6.3 x 265.0 x 170.0	SAC-350	4.0	4.0	0.2
116	3	Lom 8.0 x 90.5 x 171.0	SAC-350	1.0	3.0	0.1	116	3	Lom 8.0 x 90.5 x 171.0	SAC-350	1.0	3.0	0.1
117	1	PS400X200X6X9.5 x 498.0	SAC-350	23.8	23.8	0.8	117	1	PS400X200X6X9.5 x 498.0	SAC-350	23.8	23.8	0.8
118	2	PS400X200X6X9.5 x 498.0	SAC-350	23.8	47.6	1.6	118	2	PS400X200X6X9.5 x 498.0	SAC-350	23.8	47.6	1.6
119	1	Lom 9.5 x 280.0 x 400.0	SAC-350	6.7	6.7	0.2	119	1	Lom 9.5 x 280.0 x 400.0	SAC-350	6.7	6.7	0.2
120	1	Lom 9.5 x 295.6 x 376.8	SAC-350	5.2	5.2	0.2	120	1	Lom 9.5 x 295.6 x 376.8	SAC-350	5.2	5.2	0.2
121	1	TC219X10 x 457.5	SAC-350	24.1	24.1	0.3	121	1	TC219X10 x 457.5	SAC-350	24.1	24.1	0.3
122	1	TC168X6 x 442.4	SAC-350	12.3	12.3	0.2	122	1	TC168X6 x 442.4	SAC-350	12.3	12.3	0.2
123	1	PS500X350X6X10 x 498.0	SAC-350	37.9	37.9	1.2	123	1	PS500X350X6X10 x 498.0	SAC-350	37.9	37.9	1.2
124	2	Lom 22.0 x 134.0 x 721.0	SAC-350	16.7	33.4	0.5	124	2	Lom 22.0 x 134.0 x 721.0	SAC-350	16.7	33.4	0.5
125	6	Lom 8.0 x 133.3 x 473.0	SAC-350	3.9	23.4	0.8	125	6	Lom 8.0 x 133.3 x 473.0	SAC-350	3.9	23.4	0.8
126	2	Lom 22.0 x 134.0 x 741.5	SAC-350	17.2	34.4	0.5	126	2	Lom 22.0 x 134.0 x 741.5	SAC-350	17.2	34.4	0.5
127	2	Lom 9.5 x 474.6 x 2101.5	SAC-350	54.6	109.2	4.1	127	2	Lom 9.5 x 474.6 x 2101.5	SAC-350	54.6	109.2	4.1
164	1	TR-1000X300X10X22	SAC-350	435.3	435.3	4.6	164	1	TR-1000X300X10X22 x 1750.2	SAC-350	435.3	435.3	4.6
165	1	TR-1000X300X10X22	SAC-350	488.5	488.5	5.1	165	1	TR-1000X300X10X22 x 1956.0	SAC-350	488.5	488.5	5.1
							PPB-103	1	PS500X350X8X12.5 - 8450		2395.5	2395.5	45.7

PPB-103	1	PS500X350X8X12.5 - 8450		2395.5	2395.5	45.7
105	6	Lom 6.3 x 80.0 x 85.9	SAC-350	0.2	1.2	0.1
106	1	Lom 12.5 x 400.0 x 400.0	SAC-350	12.3	12.3	0.3
107	6	Lom 6.3 x 80.0 x 61.2	SAC-350	0.1	0.6	0.1
108	1	Lom 12.5 x 300.0 x 300.0	SAC-350	6.9	6.9	0.2
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
114	1	PS500X350X8X12.5 x 8450.0	SAC-350	832.5	832.5	20.1
115	6	Lom 6.3 x 473.0 x 170.0	SAC-350	4.0	24.0	1.0
115A	1	Lom 6.3 x 265.0 x 170.0	SAC-350	4.0	4.0	0.2
116	3	Lom 8.0 x 90.5 x 171.0	SAC-350	1.0	3.0	0.1
118	2	PS400X200X6X9.5 x 498.0	SAC-350	23.8	47.6	1.6
119	1	Lom 9.5 x 280.0 x 400.0	SAC-350	6.7	6.7	0.2
120	1	Lom 9.5 x 295.6 x 376.8	SAC-350	5.2	5.2	0.2
121	1	TC219X10 x 457.5	SAC-350	24.1	24.1	0.3
122	1	TC168X6 x 442.4	SAC-350	12.3	12.3	0.2
123	1	PS500X350X6X10 x 498.0	SAC-350	37.9	37.9	1.2
124	2	Lom 22.0 x 134.0 x 721.0	SAC-350	16.7	33.4	0.5
125	6	Lom 8.0 x 133.3 x 473.0	SAC-350	3.9	23.4	0.8
126	2	Lom 22.0 x 134.0 x 741.5	SAC-350	17.2	34.4	0.5
127	2	Lom 9.5 x 474.6 x 2101.5	SAC-350	54.6	109.2	4.1
128	1	TR-1000X300X10X22 x 1750.2	SAC-350	435.3	435.3	4.6
129	1	TR-1000X300X10X22 x 1956.0	SAC-350	488.5	488.5	5.1
130	1	PS400X200X6X9.5 x 498.0	SAC-350	23.8	23.8	0.8

PPB-110	1	PS500X350X8X12.5 - 8450		2395.5	2395.5	36.1
105	6	Lom 6.3 x 80.0 x 85.9	SAC-350	0.2	1.2	0.1
106	1	Lom 12.5 x 400.0 x 400.0	SAC-350	12.3	12.3	0.3
107	6	Lom 6.3 x 80.0 x 61.2	SAC-350	0.1	0.6	0.1
108	1	Lom 12.5 x 300.0 x 300.0	SAC-350	6.9	6.9	0.2
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
114	1	PS500X350X8X12.5 x 8450.0	SAC-350	832.5	832.5	20.1
115	6	Lom 6.3 x 473.0 x 170.0	SAC-350	4.0	24.0	1.0
115A	1	Lom 6.3 x 265.0 x 170.0	SAC-350	4.0	4.0	0.2
116	3	Lom 8.0 x 90.5 x 171.0	SAC-350	1.0	3.0	0.1
118	2	PS400X200X6X9.5 x 498.0	SAC-350	23.8	47.6	1.6
119	1	Lom 9.5 x 280.0 x 400.0	SAC-350	6.7	6.7	0.2
120	1	Lom 9.5 x 295.6 x 376.8	SAC-350	5.2	5.2	0.2
121	1	TC219X10 x 457.5	SAC-350	24.1	24.1	0.3
122	1	TC168X6 x 442.4	SAC-350	12.3	12.3	0.2
123	1	PS500X350X6X10 x 498.0	SAC-350	37.9	37.9	1.2
124	2	Lom 22.0 x 134.0 x 721.0	SAC-350	16.7	33.4	0.5
125	6	Lom 8.0 x 133.3 x 473.0	SAC-350	3.9	23.4	0.8
126	2	Lom 22.0 x 134.0 x 741.5	SAC-350	17.2	34.4	0.5
127	2	Lom 9.5 x 474.6 x 2101.5	SAC-350	54.6	109.2	4.1
130	1	PS400X200X6X9.5 x 498.0	SAC-350	23.8	23.8	0.8
164	1	TR-1000X300X10X22	SAC-350	435.3	435.3	4.6
165	1	TR-1000X300X10X22	SAC-350	488.5	488.5	5.1