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PLUS 2D Nesting Software Optimization Report

General Details:

Project Name	
File Name	N:/Plus2D/Samples/S0_R1_T1_M_P10.plj
Job No	
Customer	
CustomerId	
Created By	
Approved By	
Date	Wednesday, July 21, 2010
Material	steel
Thk	5
PLUS 2D Version No.	8.68

Stock Details:

Id	Length	Width	Cost	Qty	Remarks
PL5 x 6330 x 1500	6330	1500	1899	20	

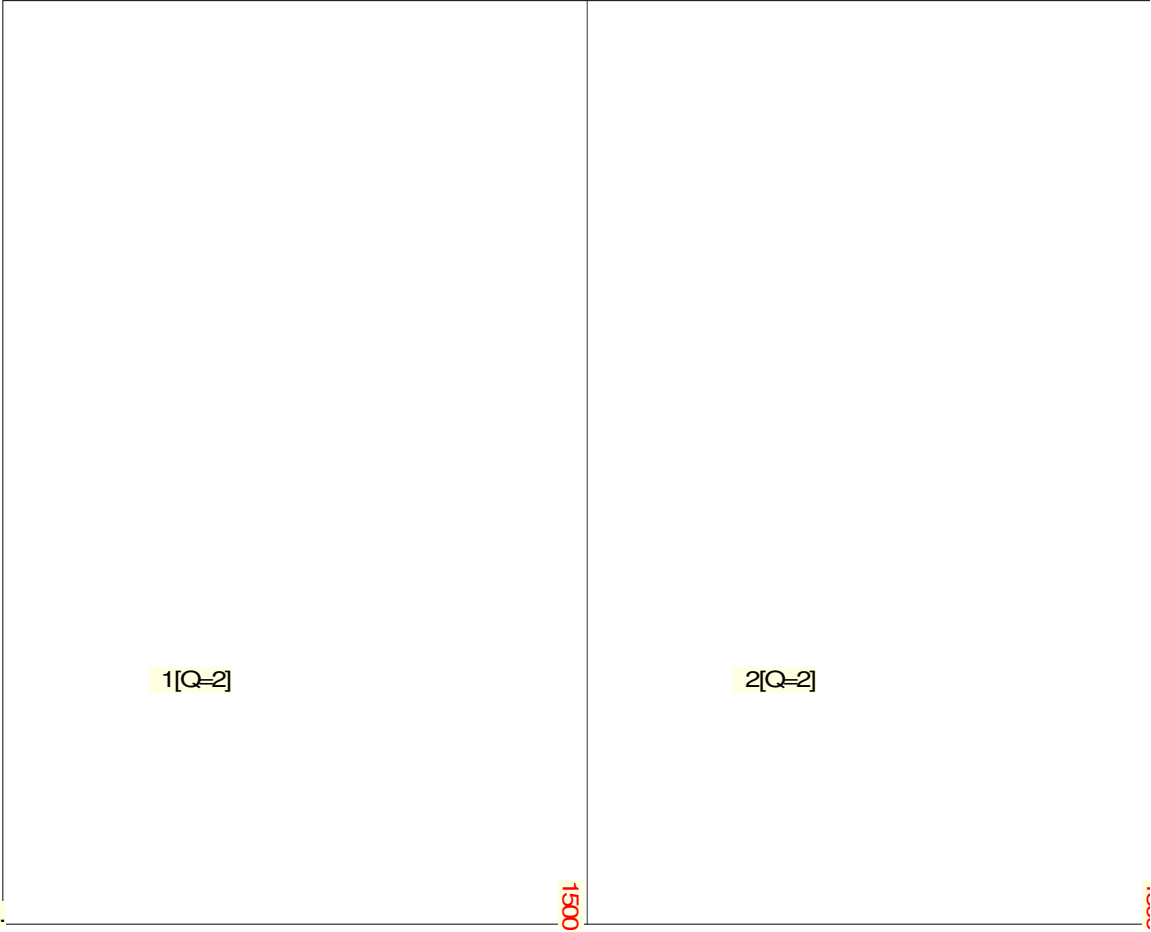
Part Details:

Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
169_20_12	3650	225	1	1	Rect	
167_20_10_R_2	800	1500	1	2	Rect	167_20_10_R + 168_20_11_R - total 2299 x 3650
158_20_01_R_1	3650	2368	1	[2]	Large	158_20_01_A + 159_20_02_A
158_20_01_T	1943	1500	1	2	DXF	158_20_01_T + 159_20_01_T
167_20_10_R_1_1	748	2150	1	[2]	Large	167_20_10_R + 168_20_11_R - total 2299 x 3650
167_20_10_T	1500	1160	1	2	DXF	167_20_10_T + 168_20_11_T - total 2299 x 3650
160_20_03_1	6150	2368	1	[2]	Large	160_20_03 + 161_20_04... parts appr. as Trapeziums
162_20_05	5950	1428	1	[1]	Large	
163_20_06	5950	2775	1	[1]	Large	
164_20_07	5950	2243	1	[1]	Large	

Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
165_20_08	2814	2245	1	[1]	Large	
166_20_09_R1	2245	3149	1	[1]	Large	166_20_09 - 5950 x 3149
166_20_09_R2	3750	1250	1	[1]	Large	166_20_09 - 5950 x 3149
170_20_13	3650	748	1	[1]	Large	
171_20_14	3650	2507	1	[1]	Large	
186_21_01	8026	1364	1	[1]	Large	
187_21_02	6997	1348	1	[1]	Large	
188_21_03	5131	1557	1	[1]	Large	
189_21_04	4409	1554	1	[1]	Large	
191_21_06_R	3700	2258	1	[1]	Large	191_21_06 - 5131 x 2258 - Trapezium covered in DU - 190
190_21_05_R	6000	2258	1	[1]	Large	
190_21_05_T	2078	2026	1	[1]	Large	Not Nested - joint not as per given by vetrivel
191_21_06_T	2060	1431	1	[1]	Large	

Large Parts Split Info.

[Name = 158_20_01_R_1] [L=3650, W=2368] [Qty=2]



Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
158_20_01_R_1_1_LP	1500	2368	1	2	LP Piece	Rem
158_20_01_R_1_2_LP	1500	2368	1	2	LP Piece	Rem
158_20_01_R_1_3_LP	650	2368	1	2	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	2150
2	Vert	1500	650

[Name = 167_20_10_R_1_1] [L=748, W=2150] [Qty=2]

2[Q=2]

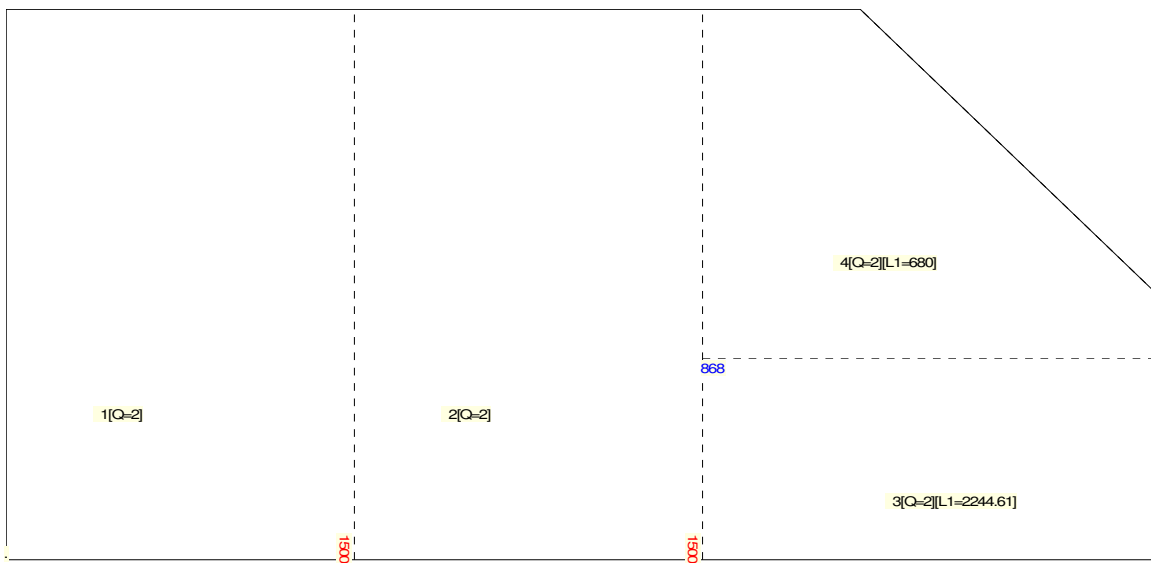
1500

1[Q=2]

Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
167_20_10_R_1_1_1_LP	748	1500	1	2	LP Piece	Rem
167_20_10_R_1_1_2_LP	748	650	1	2	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Horz	1500	650

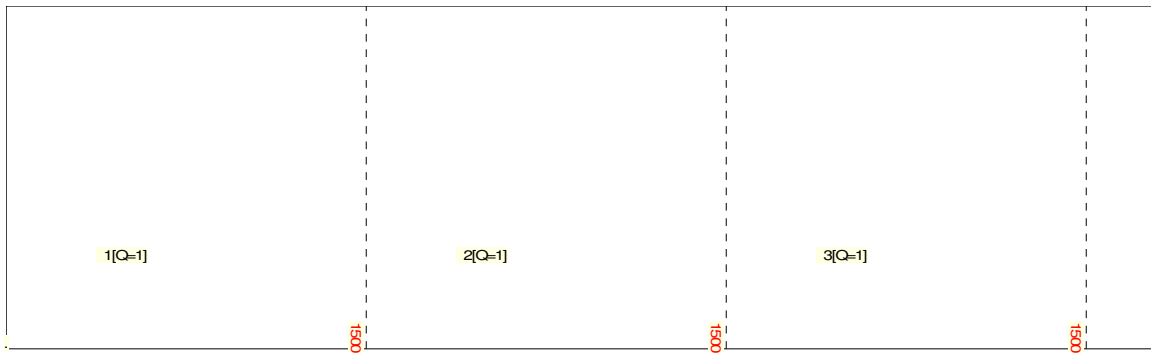
[Name = 160_20_03_1] [L=6150, W=2368, L0=0, L1=3680] [Qty=2]



Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
160_20_03_1_1_LP	1500	2368	1	2	LP Piece	Rem
160_20_03_1_2_LP	1500	2368	1	2	LP Piece	Rem
160_20_03_1_3_LP	3150	868	1	2	LP Piece	Rem
160_20_03_1_4_LP	2244.61	1500	1	2	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	4650
2	Vert	1500	3150
3	Vert	3150	0
4	Horz	868	1500

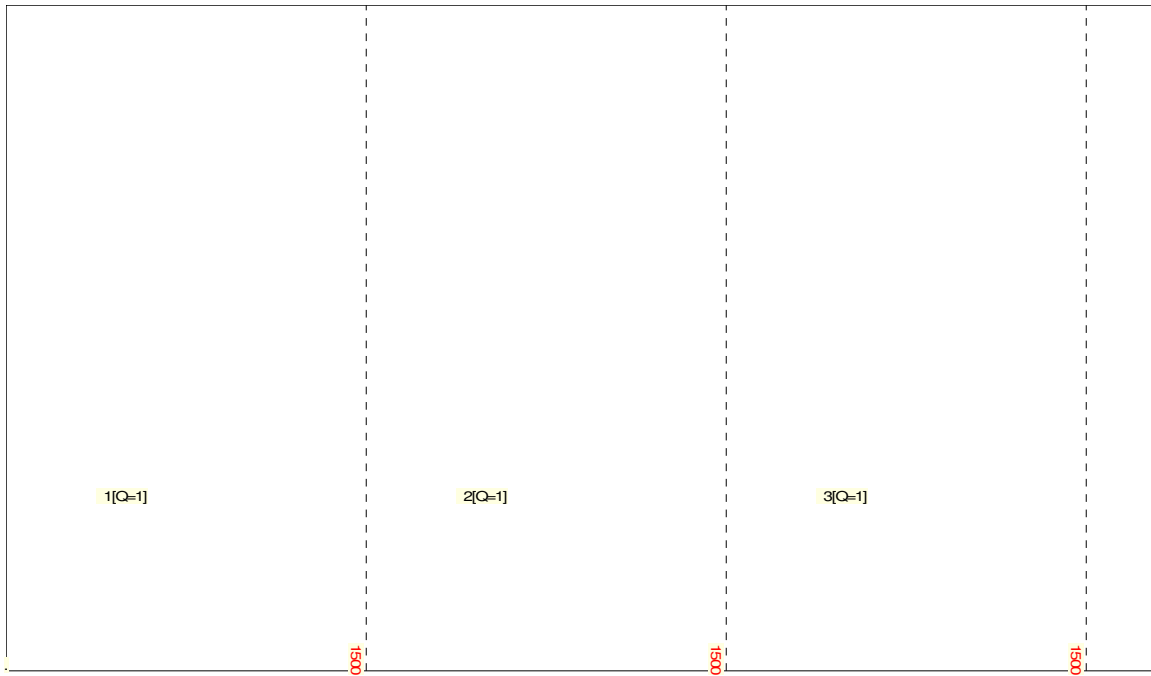
[Name = 162_20_05] [L=5950, W=1428] [Qty=1]



Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
162_20_05_1_LP	1500	1428	1	1	LP Piece	Rem
162_20_05_2_LP	1500	1428	1	1	LP Piece	Rem
162_20_05_3_LP	1500	1428	1	1	LP Piece	Rem
162_20_05_4_LP	1450	1428	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	4450
2	Vert	1500	2950
3	Vert	1500	1450

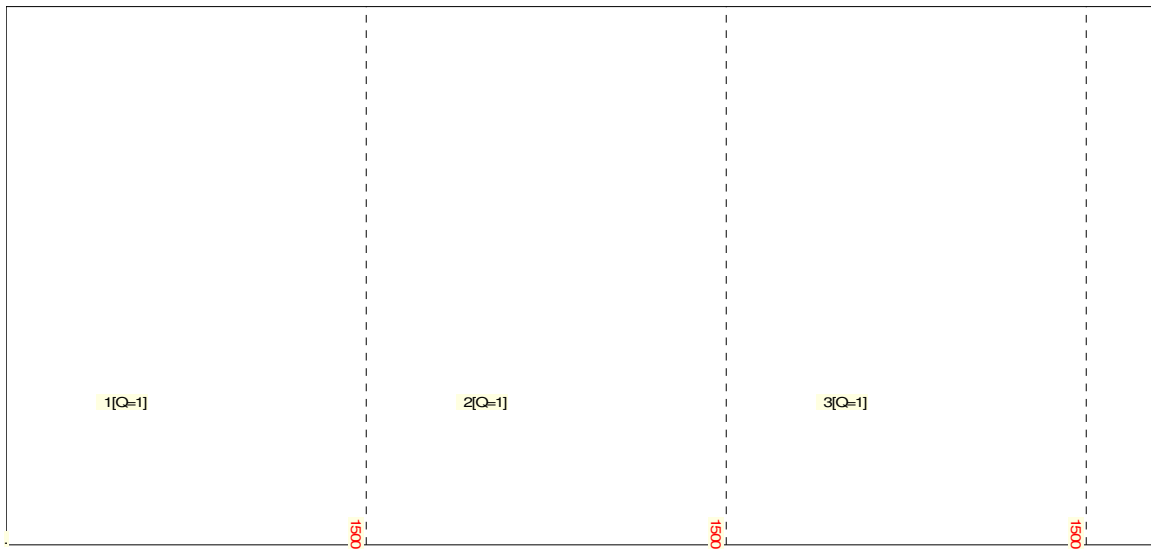
[Name = 163_20_06] [L=5950, W=2775] [Qty=1]



Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
163_20_06_1_LP	1500	2775	1	1	LP Piece	Rem
163_20_06_2_LP	1500	2775	1	1	LP Piece	Rem
163_20_06_3_LP	1500	2775	1	1	LP Piece	Rem
163_20_06_4_LP	1450	2775	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	4450
2	Vert	1500	2950
3	Vert	1500	1450

[Name = 164_20_07] [L=5950, W=2243] [Qty=1]



Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
164_20_07_1_LP	1500	2243	1	1	LP Piece	Rem
164_20_07_2_LP	1500	2243	1	1	LP Piece	Rem
164_20_07_3_LP	1500	2243	1	1	LP Piece	Rem
164_20_07_4_LP	1450	2243	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	4450
2	Vert	1500	2950
3	Vert	1500	1450

[Name = 165_20_08] [L=2814, W=2245] [Qty=1]

1500

3[Q=1]

745

1[Q=1]

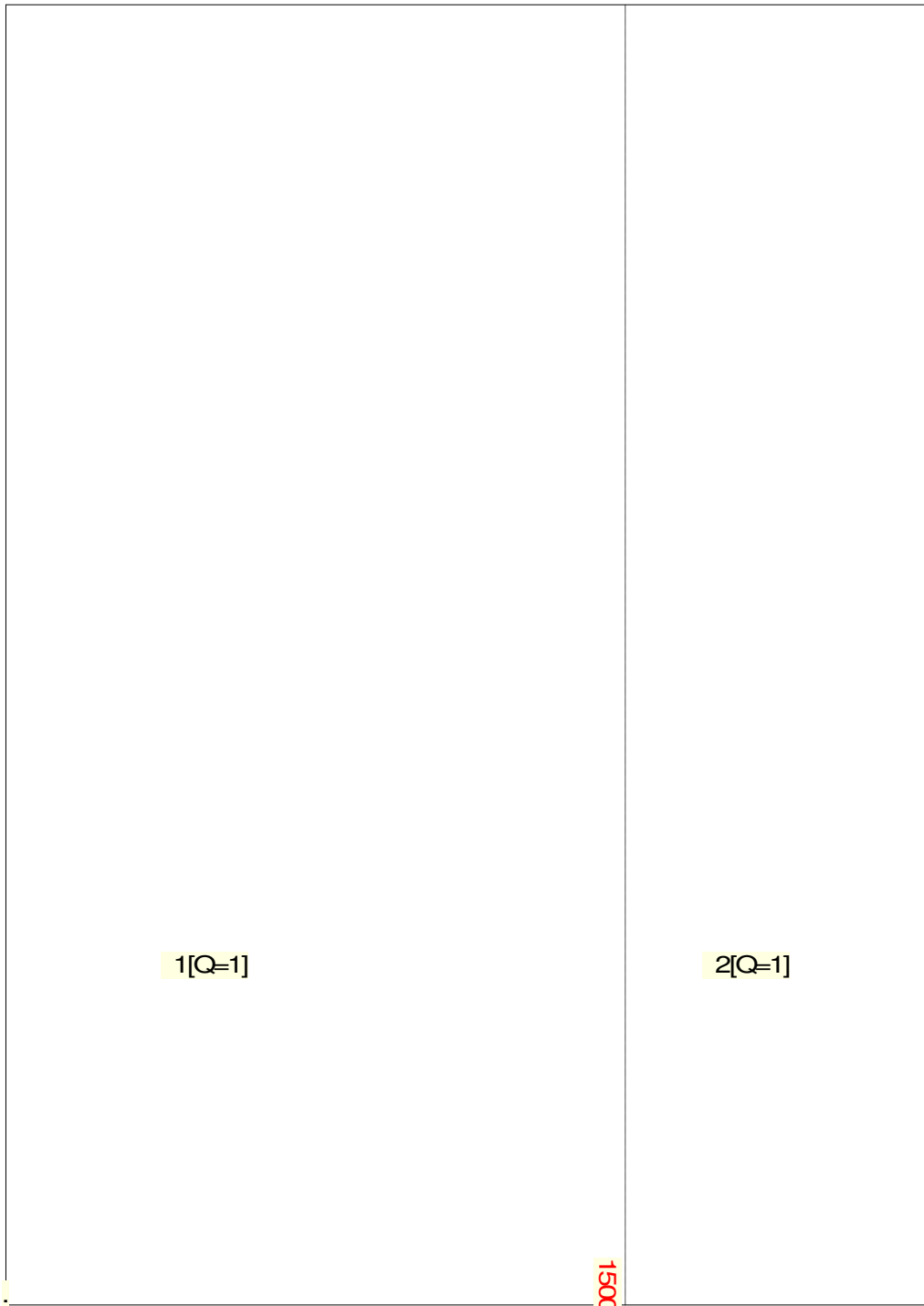
2[Q=1]

1407

Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
165_20_08_1_LP	1407	745	1	1	LP Piece	Rem
165_20_08_2_LP	1407	745	1	1	LP Piece	Rem
165_20_08_3_LP	2814	1500	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Horz	745	1500
2	Vert	1407	1407
3	Horz	1500	0

[Name = 166_20_09_R1] [L=2245, W=3149] [Qty=1]

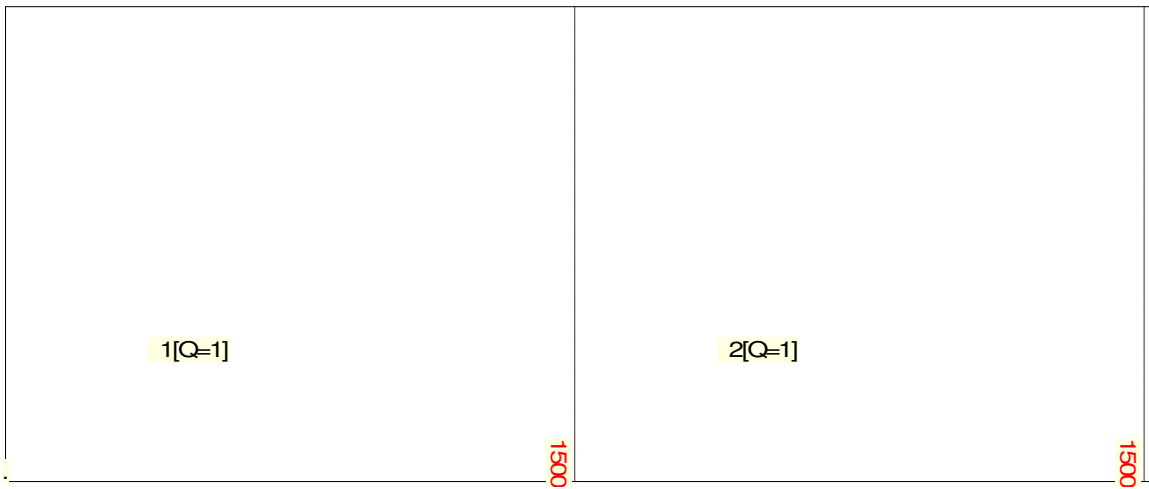


Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
166_20_09_R1_1_LP	1500	3149	1	1	LP Piece	Rem
166_20_09_R1_2_LP	745	3149	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	745

[Name = 166_20_09_R2] [L=3750, W=1250] [Qty=1]

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Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
166_20_09_R2_1_LP	1500	1250	1	1	LP Piece	Rem
166_20_09_R2_2_LP	1500	1250	1	1	LP Piece	Rem
166_20_09_R2_3_LP	750	1250	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	2250
2	Vert	1500	750

[Name = 170_20_13] [L=3650, W=748] [Qty=1]

1[Q=1]	2[Q=1]
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Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
170_20_13_1_LP	1500	748	1	1	LP Piece	Rem
170_20_13_2_LP	1500	748	1	1	LP Piece	Rem
170_20_13_3_LP	650	748	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	2150
2	Vert	1500	650

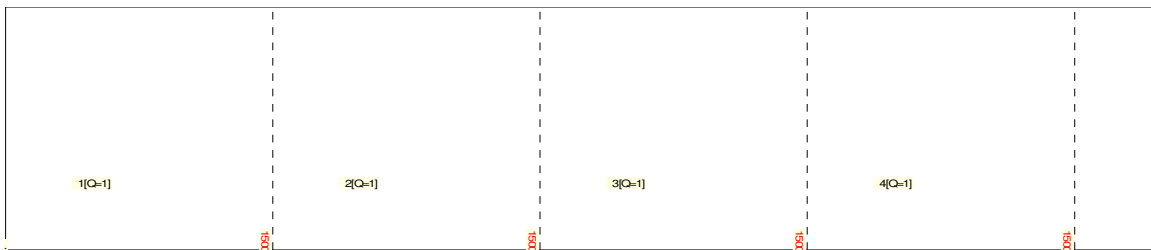
[Name = 171_20_14] [L=3650, W=2507] [Qty=1]



Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
171_20_14_1_LP	1500	2507	1	1	LP Piece	Rem
171_20_14_2_LP	1500	2507	1	1	LP Piece	Rem
171_20_14_3_LP	650	2507	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	2150
2	Vert	1500	650

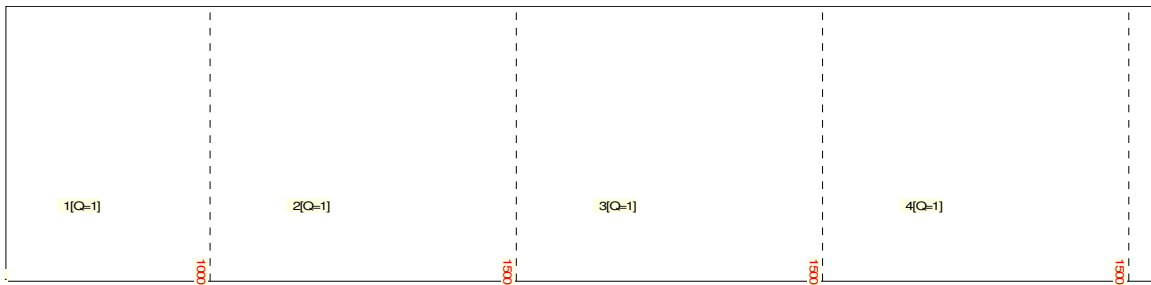
[Name = 186_21_01] [L=8026, W=1364] [Qty=1]



Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
186_21_01_1_LP	1500	1364	1	1	LP Piece	Rem
186_21_01_2_LP	1500	1364	1	1	LP Piece	Rem
186_21_01_3_LP	1500	1364	1	1	LP Piece	Rem
186_21_01_4_LP	1500	1364	1	1	LP Piece	Rem
186_21_01_5_LP	2026	1364	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	6526
2	Vert	1500	5026
3	Vert	1500	3526
4	Vert	1500	2026

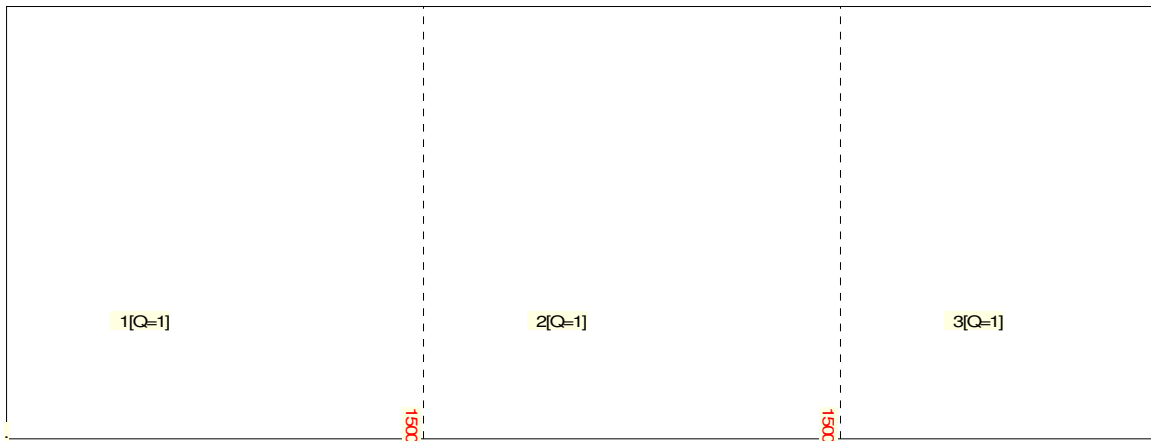
[Name = 187_21_02] [L=6997, W=1348] [Qty=1]



Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
187_21_02_1_LP	1000	1348	1	1	LP Piece	Rem
187_21_02_2_LP	1500	1348	1	1	LP Piece	Rem
187_21_02_3_LP	1500	1348	1	1	LP Piece	Rem
187_21_02_4_LP	1500	1348	1	1	LP Piece	Rem
187_21_02_5_LP	1497	1348	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1000	5997
2	Vert	1500	4497
3	Vert	1500	2997
4	Vert	1500	1497

[Name = 188_21_03] [L=5131, W=1557] [Qty=1]

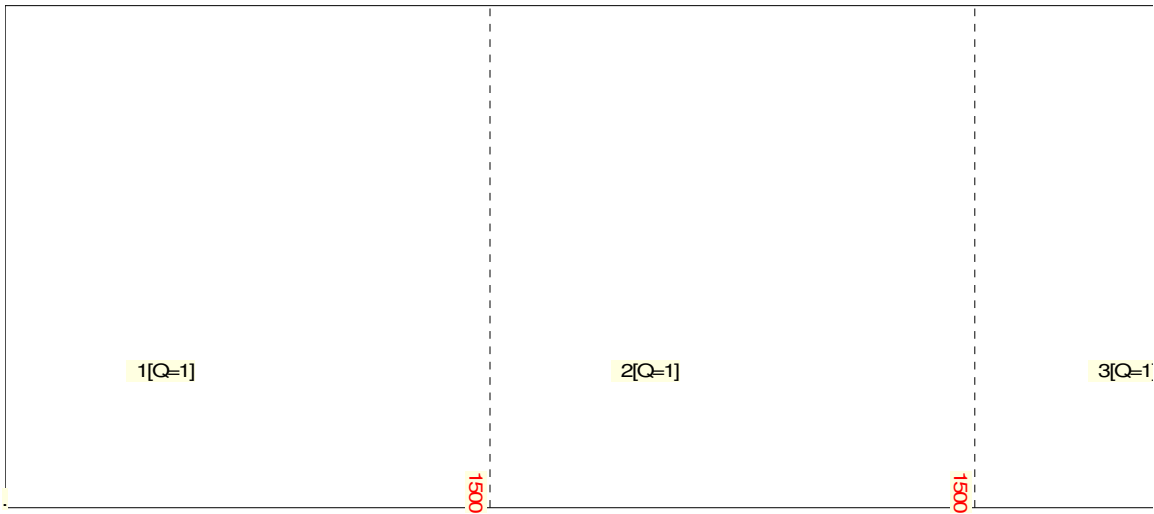


Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
188_21_03_1_LP	1500	1557	1	1	LP Piece	Rem
188_21_03_2_LP	1500	1557	1	1	LP Piece	Rem
188_21_03_3_LP	1500	1557	1	1	LP Piece	Rem
188_21_03_4_LP	631	1557	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	3631
2	Vert	1500	2131
3	Vert	1500	631

[Name = 189_21_04] [L=4409, W=1554] [Qty=1]

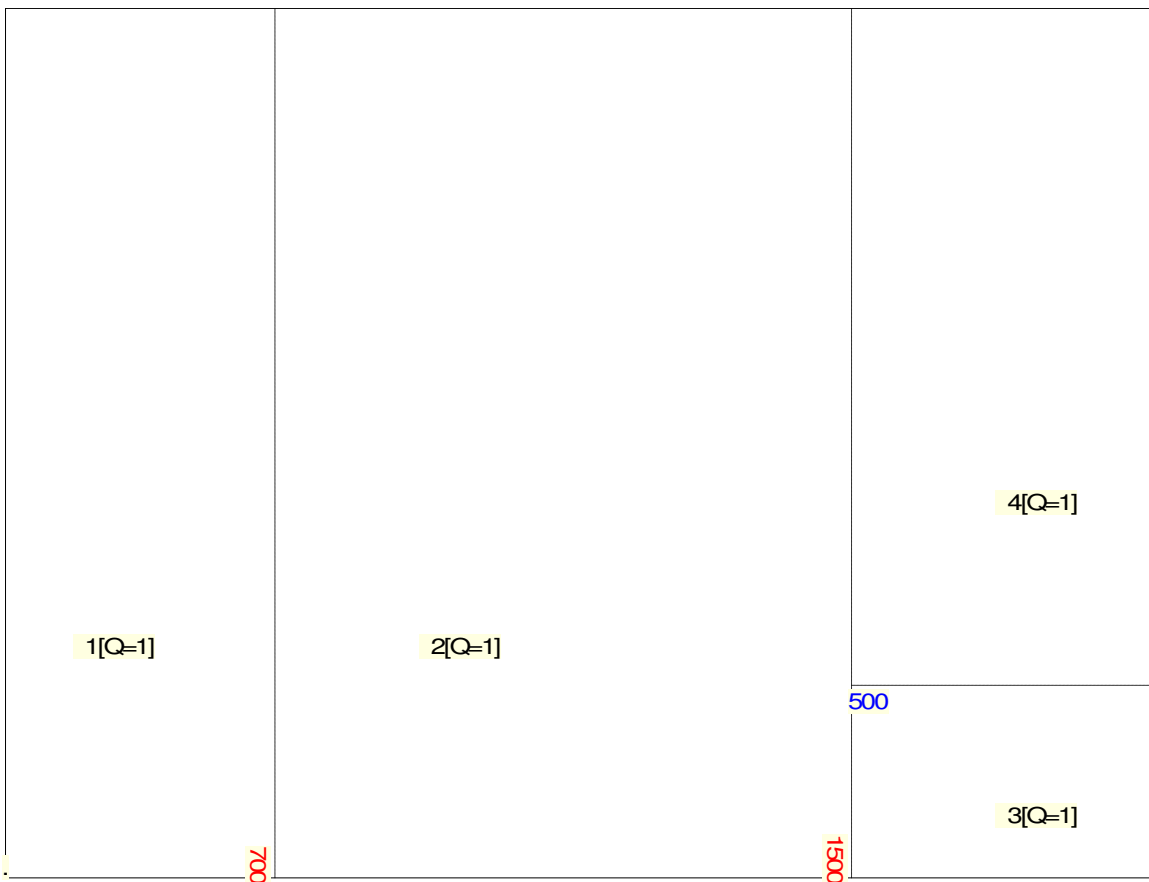
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Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
189_21_04_1_LP	1500	1554	1	1	LP Piece	Rem
189_21_04_2_LP	1500	1554	1	1	LP Piece	Rem
189_21_04_3_LP	1409	1554	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	2909
2	Vert	1500	1409

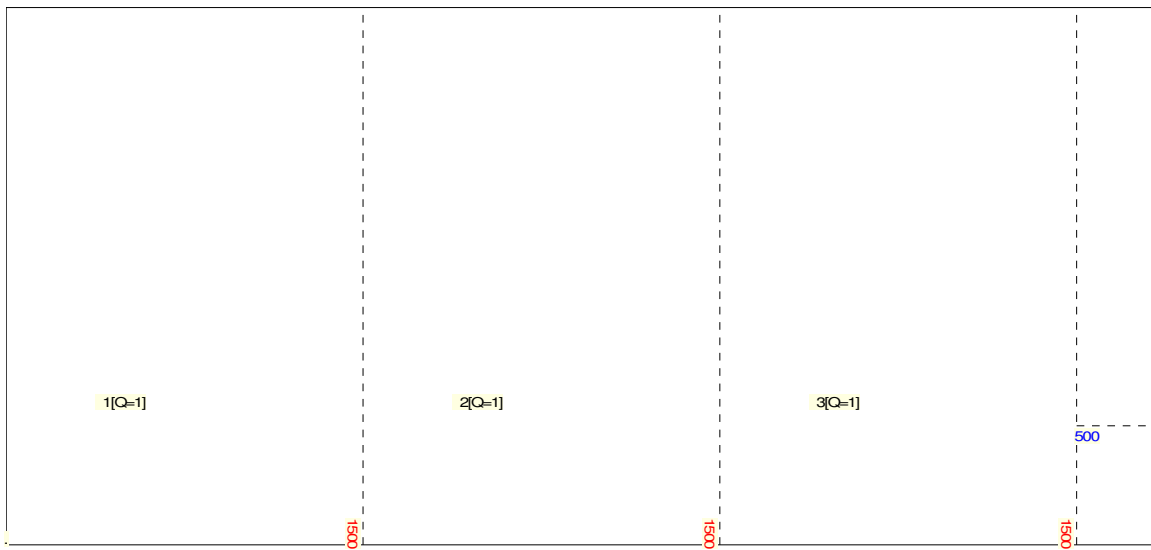
[Name = 191_21_06_R] [L=3700, W=2258] [Qty=1]



Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
191_21_06_R_1_LP	700	2258	1	1	LP Piece	Rem
191_21_06_R_2_LP	1500	2258	1	1	LP Piece	Rem
191_21_06_R_3_LP	1500	500	1	1	LP Piece	Rem
191_21_06_R_4_LP	1500	1758	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	700	3000
2	Vert	1500	1500
3	Vert	1500	0
4	Horz	500	1758

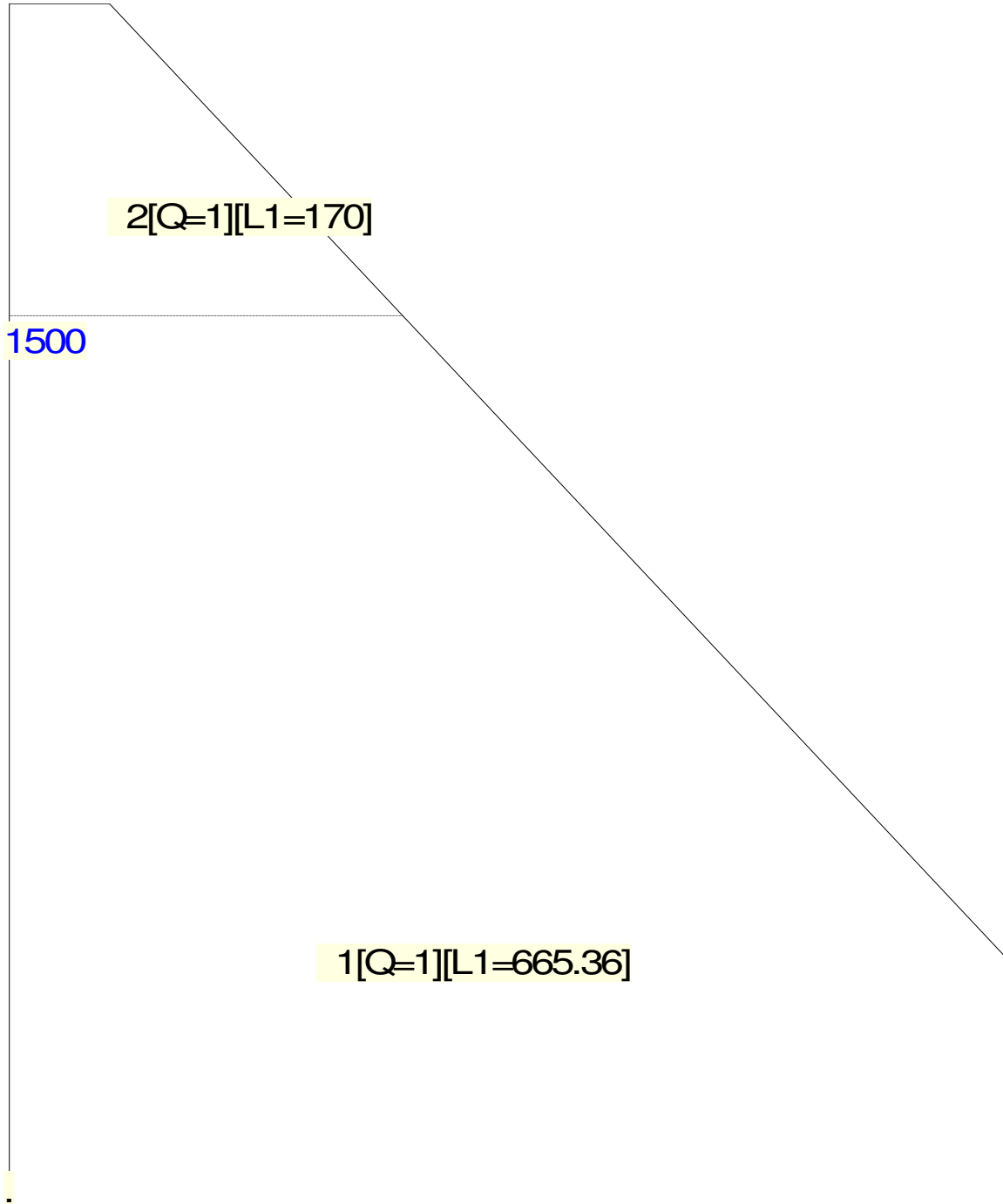
[Name = 190_21_05_R] [L=6000, W=2258] [Qty=1]



Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
190_21_05_R_1_LP	1500	2258	1	1	LP Piece	Rem
190_21_05_R_2_LP	1500	2258	1	1	LP Piece	Rem
190_21_05_R_3_LP	1500	2258	1	1	LP Piece	Rem
190_21_05_R_4_LP	1500	500	1	1	LP Piece	Rem
190_21_05_R_5_LP	1500	1758	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Vert	1500	4500
2	Vert	1500	3000
3	Vert	1500	1500
4	Vert	1500	0
5	Horz	500	1758

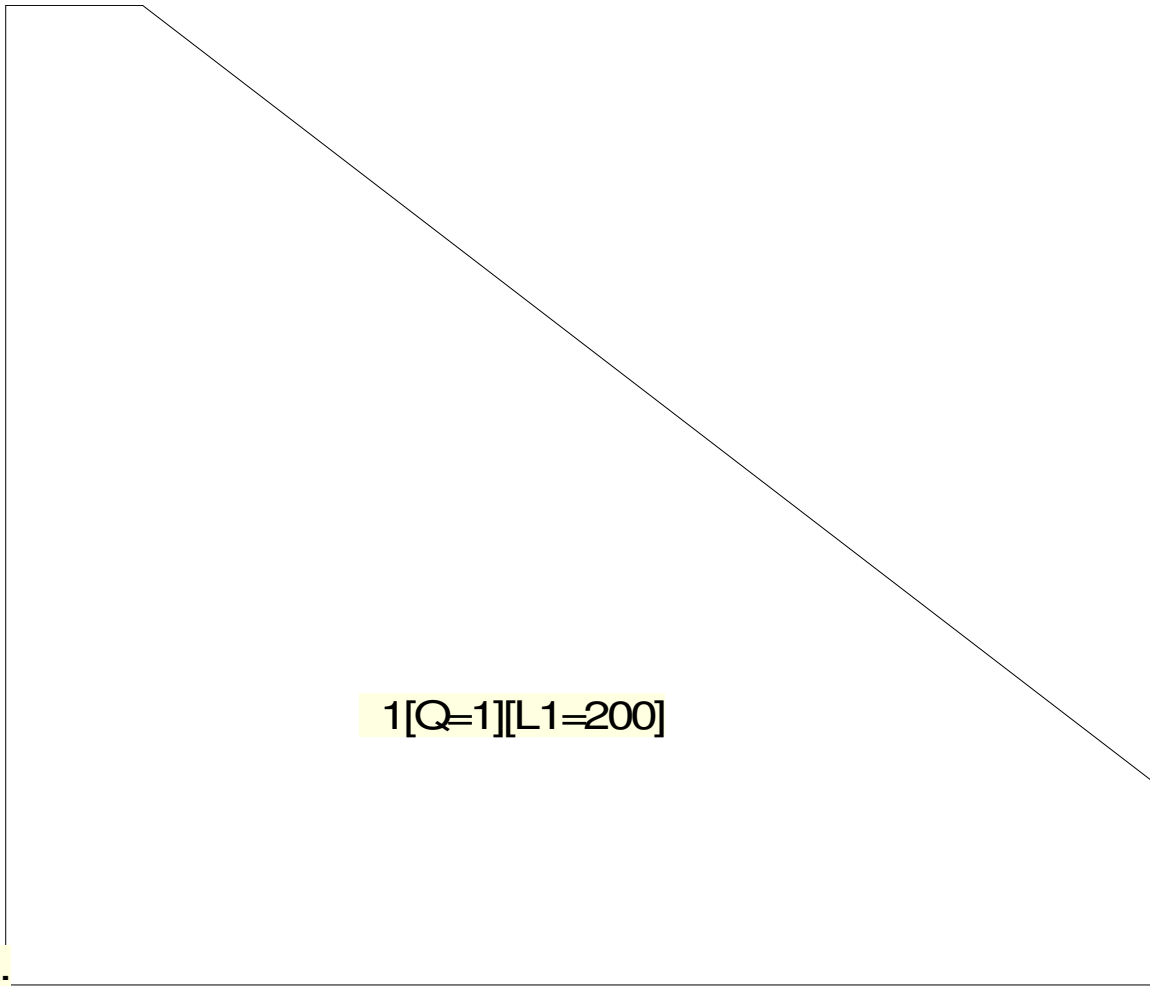
[Name = 190_21_05_T] [L=2078, W=2026, L0=0, L1=170] [Qty=1]



Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
190_21_05_T_1_LP	2078	1500	1	1	LP Piece	Rem
190_21_05_T_2_LP	665.36	526	1	1	LP Piece	Rem

Cut No	Cut Type	Dim	Rest
1	Horz	1500	526

[Name = 191_21_06_T] [L=2060, W=1431, L0=0, L1=200] [Qty=1]



Name	Fin. Length	Fin. Width	Rotn	Qty	Type	Remarks
191_21_06_T_1_LP	2060	1431	1	1	LP Piece	Rem

Summary of Optimization Results:

Summary of Optimization Results:	
Grinding Margin	0
Saw Width	0
Number of Layouts	20
Number of Stock Used	20
Total Utilization	97.17 %
Total Parts Required	80
Total Parts Nested	80
Reusable Offcuts	2
Total Stock Area	189.9
Total Part Area	180.98
Offcut Area	3.55
Scrap Area	5.37
Total Stock Weight	379.8
Total Part Weight	361.96
Total Offcut Weight	7.1
Total Scrap Weight	10.73
ScrapWt/PartWt	2.97 %

Summary of Layouts:

No	Name	Qty	Util%	Cost	Parts	Offcut Qty - Size
1	PL5 x 6330 x 1500	1	99.87	1899.00	3	0
2	PL5 x 6330 x 1500	1	99.83	1899.00	4	0
3	PL5 x 6330 x 1500	1	99.81	1899.00	4	0
4	PL5 x 6330 x 1500	1	99.81	1899.00	4	0
5	PL5 x 6330 x 1500	1	99.79	1899.00	3	0
6	PL5 x 6330 x 1500	1	99.77	1899.00	4	0
7	PL5 x 6330 x 1500	1	99.76	1899.00	4	0
8	PL5 x 6330 x 1500	1	99.51	1899.00	4	0
9	PL5 x 6330 x 1500	1	99.42	1899.00	3	0
10	PL5 x 6330 x 1500	1	99.42	1899.00	3	0
11	PL5 x 6330 x 1500	1	99.42	1899.00	3	0
12	PL5 x 6330 x 1500	1	99.19	1899.00	7	0
13	PL5 x 6330 x 1500	1	98.82	1899.00	3	0
14	PL5 x 6330 x 1500	1	98.77	1899.00	5	0
15	PL5 x 6330 x 1500	1	98.41	1899.00	3	0
16	PL5 x 6330 x 1500	1	96.92	1899.00	4	0
17	PL5 x 6330 x 1500	1	94.31	1899.00	6	0
18	PL5 x 6330 x 1500	1	89.00	1899.00	4	0
19	PL5 x 6330 x 1500	1	75.75	1899.00	6	0
20	PL5 x 6330 x 1500	1	95.92	1899.00	3	2,[1565X1500]

Parts Summary Table:

No	Name	Size (L x W)	Nested (Required)	Area	Weight	Remarks
1	169_20_12	3650 x 225	1 (1)	0.82	32.03	
2	167_20_10_R_2	800 x 1500	2 (2)	2.4	93.6	167_20_10_R + 168_20_11_R - total 2299 x 3650
3	158_20_01_R_1_1_L P	1500 x 2368	2 (2)	7.1	277.06	Rem
4	158_20_01_R_1_2_L P	1500 x 2368	2 (2)	7.1	277.06	Rem
5	158_20_01_R_1_3_L P	650 x 2368	2 (2)	3.08	120.06	Rem
6	158_20_01_R_1	3650 x 2368	0 (0)	0	0	158_20_01_A + 159_20_02_A
7	158_20_01_T	1943 x 1500	2 (2)	2.91	113.67	158_20_01_T + 159_20_01_T
8	167_20_10_R_1_1_1_LP	748 x 1500	2 (2)	2.24	87.52	Rem
9	167_20_10_R_1_1_2_LP	748 x 650	2 (2)	0.97	37.92	Rem
10	167_20_10_R_1_1	748 x 2150	0 (0)	0	0	167_20_10_R + 168_20_11_R - total 2299 x 3650
11	167_20_10_T	1500 x 1160	2 (2)	1.74	67.86	167_20_10_T + 168_20_11_T - total 2299 x 3650
12	160_20_03_1_1_LP	1500 x 2368	2 (2)	7.1	277.06	Rem
13	160_20_03_1_2_LP	1500 x 2368	2 (2)	7.1	277.06	Rem
14	160_20_03_1_3_LP	3150 x 868	2 (2)	4.68	182.62	Rem
15	160_20_03_1_4_LP	2244.61 x 1500	2 (2)	4.39	171.09	Rem
16	160_20_03_1	6150 x 2368	0 (0)	0	0	160_20_03 + 161_20_04... parts apprx. as Trapeziums
17	162_20_05_1_LP	1500 x 1428	1 (1)	2.14	83.54	Rem
18	162_20_05_2_LP	1500 x 1428	1 (1)	2.14	83.54	Rem
19	162_20_05_3_LP	1500 x 1428	1 (1)	2.14	83.54	Rem

No	Name	Size (L x W)	Nested (Required)	Area	Weight	Remarks
20	162_20_05_4_LP	1450 x 1428	1 (1)	2.07	80.75	Rem
21	162_20_05	5950 x 1428	0 (0)	0	0	
22	163_20_06_1_LP	1500 x 2775	1 (1)	4.16	162.34	Rem
23	163_20_06_2_LP	1500 x 2775	1 (1)	4.16	162.34	Rem
24	163_20_06_3_LP	1500 x 2775	1 (1)	4.16	162.34	Rem
25	163_20_06_4_LP	1450 x 2775	1 (1)	4.02	156.93	Rem
26	163_20_06	5950 x 2775	0 (0)	0	0	
27	164_20_07_1_LP	1500 x 2243	1 (1)	3.36	131.22	Rem
28	164_20_07_2_LP	1500 x 2243	1 (1)	3.36	131.22	Rem
29	164_20_07_3_LP	1500 x 2243	1 (1)	3.36	131.22	Rem
30	164_20_07_4_LP	1450 x 2243	1 (1)	3.25	126.84	Rem
31	164_20_07	5950 x 2243	0 (0)	0	0	
32	165_20_08_1_LP	1407 x 745	1 (1)	1.05	40.88	Rem
33	165_20_08_2_LP	1407 x 745	1 (1)	1.05	40.88	Rem
34	165_20_08_3_LP	2814 x 1500	1 (1)	4.22	164.62	Rem
35	165_20_08	2814 x 2245	0 (0)	0	0	
36	166_20_09_R1_1_LP	1500 x 3149	1 (1)	4.72	184.22	Rem
37	166_20_09_R1_2_LP	745 x 3149	1 (1)	2.35	91.49	Rem
38	166_20_09_R1	2245 x 3149	0 (0)	0	0	166_20_09 - 5950 x 3149
39	166_20_09_R2_1_LP	1500 x 1250	1 (1)	1.88	73.13	Rem
40	166_20_09_R2_2_LP	1500 x 1250	1 (1)	1.88	73.13	Rem
41	166_20_09_R2_3_LP	750 x 1250	1 (1)	0.94	36.56	Rem
42	166_20_09_R2	3750 x 1250	0 (0)	0	0	166_20_09 - 5950 x 3149
43	170_20_13_1_LP	1500 x 748	1 (1)	1.12	43.76	Rem
44	170_20_13_2_LP	1500 x 748	1 (1)	1.12	43.76	Rem
45	170_20_13_3_LP	650 x 748	1 (1)	0.49	18.96	Rem

No	Name	Size (L x W)	Nested (Required)	Area	Weight	Remarks
46	170_20_13	3650 x 748	0 (0)	0	0	
47	171_20_14 _1_LP	1500 x 2507	1 (1)	3.76	146.66	Rem
48	171_20_14 _2_LP	1500 x 2507	1 (1)	3.76	146.66	Rem
49	171_20_14 _3_LP	650 x 2507	1 (1)	1.63	63.55	Rem
50	171_20_14	3650 x 2507	0 (0)	0	0	
51	186_21_01 _1_LP	1500 x 1364	1 (1)	2.05	79.79	Rem
52	186_21_01 _2_LP	1500 x 1364	1 (1)	2.05	79.79	Rem
53	186_21_01 _3_LP	1500 x 1364	1 (1)	2.05	79.79	Rem
54	186_21_01 _4_LP	1500 x 1364	1 (1)	2.05	79.79	Rem
55	186_21_01 _5_LP	2026 x 1364	1 (1)	2.76	107.78	Rem
56	186_21_01	8026 x 1364	0 (0)	0	0	
57	187_21_02 _1_LP	1000 x 1348	1 (1)	1.35	52.57	Rem
58	187_21_02 _2_LP	1500 x 1348	1 (1)	2.02	78.86	Rem
59	187_21_02 _3_LP	1500 x 1348	1 (1)	2.02	78.86	Rem
60	187_21_02 _4_LP	1500 x 1348	1 (1)	2.02	78.86	Rem
61	187_21_02 _5_LP	1497 x 1348	1 (1)	2.02	78.7	Rem
62	187_21_02	6997 x 1348	0 (0)	0	0	
63	188_21_03 _1_LP	1500 x 1557	1 (1)	2.34	91.08	Rem
64	188_21_03 _2_LP	1500 x 1557	1 (1)	2.34	91.08	Rem
65	188_21_03 _3_LP	1500 x 1557	1 (1)	2.34	91.08	Rem
66	188_21_03 _4_LP	631 x 1557	1 (1)	0.98	38.32	Rem
67	188_21_03	5131 x 1557	0 (0)	0	0	
68	189_21_04 _1_LP	1500 x 1554	1 (1)	2.33	90.91	Rem
69	189_21_04 _2_LP	1500 x 1554	1 (1)	2.33	90.91	Rem
70	189_21_04 _3_LP	1409 x 1554	1 (1)	2.19	85.39	Rem
71	189_21_04	4409 x 1554	0 (0)	0	0	
72	191_21_06 _R_1_LP	700 x 2258	1 (1)	1.58	61.64	Rem

No	Name	Size (L x W)	Nested (Required)	Area	Weight	Remarks
73	191_21_06 _R_2_LP	1500 x 2258	1 (1)	3.39	132.09	Rem
74	191_21_06 _R_3_LP	1500 x 500	1 (1)	0.75	29.25	Rem
75	191_21_06 _R_4_LP	1500 x 1758	1 (1)	2.64	102.84	Rem
76	191_21_06 _R	3700 x 2258	0 (0)	0	0	191_21_06 - 5131 x 2258 - Trapezium covered in DU -190
77	190_21_05 _R_1_LP	1500 x 2258	1 (1)	3.39	132.09	Rem
78	190_21_05 _R_2_LP	1500 x 2258	1 (1)	3.39	132.09	Rem
79	190_21_05 _R_3_LP	1500 x 2258	1 (1)	3.39	132.09	Rem
80	190_21_05 _R_4_LP	1500 x 500	1 (1)	0.75	29.25	Rem
81	190_21_05 _R_5_LP	1500 x 1758	1 (1)	2.64	102.84	Rem
82	190_21_05 _R	6000 x 2258	0 (0)	0	0	
83	190_21_05 _T_1_LP	2078 x 1500	1 (1)	2.06	80.24	Rem
84	190_21_05 _T_2_LP	665.36 x 526	1 (1)	0.22	8.57	Rem
85	190_21_05 _T	2078 x 2026	0 (0)	0	0	Not Nested - joint not as per given by vetrivel
86	191_21_06 _T_1_LP	2060 x 1431	1 (1)	1.62	63.06	Rem
87	191_21_06 _T	2060 x 1431	0 (0)	0	0	
		Total	80 (80)	180.98	7058.29	

Stocks used details:

No	Name	Length	Width	Avail Qty	Utl Qty	Area
1	PL5 x 6330 x 1500	6330	1500	20	20	189.9
	Total				20	189.9

Offcut Details :

Id	Length	Width	Cost	Qty	Area
Off_20_2	1565	1500	469.5	1	2.35
Off_20_3	1616	745	240.78	1	1.2
Total				2	3.55

Parts Cut List:

Name	Length	Width	Qty	Remarks Layout-Qty
169_20_12	3650	225	1	19-1
167_20_10_R_2	800	1500	2	5-1/3-1
158_20_01_R_1_1_LP	1500	2368	2	10-1/5-1
158_20_01_R_1_2_LP	1500	2368	2	10-1/9-1
158_20_01_R_1_3_LP	650	2368	2	18-2
158_20_01_R_1	3650	2368	0	
158_20_01_T	1943	1500	2	17-1/16-1
167_20_10_R_1_1_1_LP	748	1500	2	12-1/7-1
167_20_10_R_1_1_2_LP	748	650	2	17-2
167_20_10_R_1_1	748	2150	0	
167_20_10_T	1500	1160	2	14-2
160_20_03_1_1_LP	1500	2368	2	11-1/9-1
160_20_03_1_2_LP	1500	2368	2	13-1/11-1
160_20_03_1_3_LP	3150	868	2	19-2
160_20_03_1_4_LP	2244.61	1500	2	17-1/14-1
160_20_03_1	6150	2368	0	
162_20_05_1_LP	1500	1428	1	7-1
162_20_05_2_LP	1500	1428	1	8-1
162_20_05_3_LP	1500	1428	1	17-1
162_20_05_4_LP	1450	1428	1	13-1
162_20_05	5950	1428	0	
163_20_06_1_LP	1500	2775	1	7-1
163_20_06_2_LP	1500	2775	1	8-1
163_20_06_3_LP	1500	2775	1	3-1
163_20_06_4_LP	1450	2775	1	18-1
163_20_06	5950	2775	0	
164_20_07_1_LP	1500	2243	1	3-1
164_20_07_2_LP	1500	2243	1	2-1
164_20_07_3_LP	1500	2243	1	16-1
164_20_07_4_LP	1450	2243	1	15-1
164_20_07	5950	2243	0	
165_20_08_1_LP	1407	745	1	12-1
165_20_08_2_LP	1407	745	1	12-1
165_20_08_3_LP	2814	1500	1	1-1
165_20_08	2814	2245	0	
166_20_09_R1_1_LP	1500	3149	1	5-1
166_20_09_R1_2_LP	745	3149	1	20-1
166_20_09_R1	2245	3149	0	
166_20_09_R2_1_LP	1500	1250	1	1-1
166_20_09_R2_2_LP	1500	1250	1	12-1
166_20_09_R2_3_LP	750	1250	1	12-1
166_20_09_R2	3750	1250	0	
170_20_13_1_LP	1500	748	1	8-1
170_20_13_2_LP	1500	748	1	4-1
170_20_13_3_LP	650	748	1	19-1

Name	Length	Width	Qty	Remarks Layout-Qty
170_20_13	3650	748	0	
171_20_14_1_LP	1500	2507	1	15-1
171_20_14_2_LP	1500	2507	1	13-1
171_20_14_3_LP	650	2507	1	20-1
171_20_14	3650	2507	0	
186_21_01_1_LP	1500	1364	1	6-1
186_21_01_2_LP	1500	1364	1	7-1
186_21_01_3_LP	1500	1364	1	2-1
186_21_01_4_LP	1500	1364	1	2-1
186_21_01_5_LP	2026	1364	1	16-1
186_21_01	8026	1364	0	
187_21_02_1_LP	1000	1348	1	18-1
187_21_02_2_LP	1500	1348	1	6-1
187_21_02_3_LP	1500	1348	1	8-1
187_21_02_4_LP	1500	1348	1	2-1
187_21_02_5_LP	1497	1348	1	6-1
187_21_02	6997	1348	0	
188_21_03_1_LP	1500	1557	1	10-1
188_21_03_2_LP	1500	1557	1	9-1
188_21_03_3_LP	1500	1557	1	11-1
188_21_03_4_LP	631	1557	1	19-1
188_21_03	5131	1557	0	
189_21_04_1_LP	1500	1554	1	15-1
189_21_04_2_LP	1500	1554	1	4-1
189_21_04_3_LP	1409	1554	1	17-1
189_21_04	4409	1554	0	
191_21_06_R_1_LP	700	2258	1	20-1
191_21_06_R_2_LP	1500	2258	1	6-1
191_21_06_R_3_LP	1500	500	1	3-1
191_21_06_R_4_LP	1500	1758	1	4-1
191_21_06_R	3700	2258	0	
190_21_05_R_1_LP	1500	2258	1	1-1
190_21_05_R_2_LP	1500	2258	1	14-1
190_21_05_R_3_LP	1500	2258	1	4-1
190_21_05_R_4_LP	1500	500	1	12-1
190_21_05_R_5_LP	1500	1758	1	12-1
190_21_05_R	6000	2258	0	
190_21_05_T_1_LP	2078	1500	1	14-1
190_21_05_T_2_LP	665.36	526	1	19-1
190_21_05_T	2078	2026	0	
191_21_06_T_1_LP	2060	1431	1	16-1
191_21_06_T	2060	1431	0	

Detailed table about Stocks & Parts:

No	Stk Length	Stk Width	Stk Area	Prt Length	Prt Width	Qty	Part Area	Name
1	6330	1500	9.49					
				2814	1500	1	4.22	165_20_08_3_LP
				1500	1250	1	1.88	166_20_09_R2_1_LP
				1500	2258	1	3.39	190_21_05_R_1_LP
			99.87 %				9.48	
2	6330	1500	9.49					
				1500	2243	1	3.36	164_20_07_2_LP
				1500	1364	1	2.05	186_21_01_3_LP
				1500	1364	1	2.05	186_21_01_4_LP
				1500	1348	1	2.02	187_21_02_4_LP
			99.83 %				9.48	
3	6330	1500	9.49					
				800	1500	1	1.2	167_20_10_R_2
				1500	2775	1	4.16	163_20_06_3_LP
				1500	2243	1	3.36	164_20_07_1_LP
				1500	500	1	0.75	191_21_06_R_3_LP
			99.81 %				9.48	
4	6330	1500	9.49					
				1500	748	1	1.12	170_20_13_2_LP
				1500	1554	1	2.33	189_21_04_2_LP

No	Stk Length	Stk Width	Stk Area	Prt Length	Prt Width	Qty	Part Area	Name
				1500	1758	1	2.64	191_21 _06_R_ 4_LP
				1500	2258	1	3.39	190_21 _05_R_ 3_LP
			99.81 %				9.48	
5	6330	1500	9.49					
				800	1500	1	1.2	167_20 _10_R_ 2
				1500	2368	1	3.55	158_20 _01_R_ 1_1_LP
				1500	3149	1	4.72	166_20 _09_R1 _1_LP
			99.79 %				9.48	
6	6330	1500	9.49					
				1500	1364	1	2.05	186_21 _01_1_ LP
				1500	1348	1	2.02	187_21 _02_2_ LP
				1497	1348	1	2.02	187_21 _02_5_ LP
				1500	2258	1	3.39	191_21 _06_R_ 2_LP
			99.77 %				9.47	
7	6330	1500	9.49					
				748	1500	1	1.12	167_20 _10_R_ 1_1_1_ LP
				1500	1428	1	2.14	162_20 _05_1_ LP
				1500	2775	1	4.16	163_20 _06_1_ LP
				1500	1364	1	2.05	186_21 _01_2_ LP
			99.76 %				9.47	
8	6330	1500	9.49					

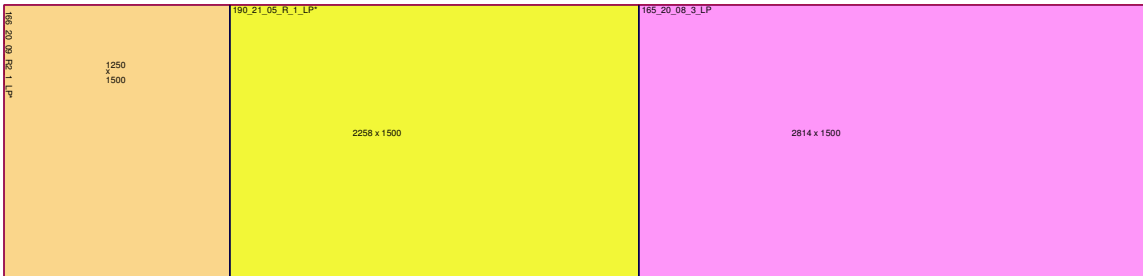
No	Stk Length	Stk Width	Stk Area	Prt Length	Prt Width	Qty	Part Area	Name
				1500	1428	1	2.14	162_20 _05_2_ LP
				1500	2775	1	4.16	163_20 _06_2_ LP
				1500	748	1	1.12	170_20 _13_1_ LP
				1500	1348	1	2.02	187_21 _02_3_ LP
			99.51 %				9.45	
9	6330	1500	9.49					
				1500	2368	1	3.55	158_20 _01_R_ 1_2_LP
				1500	2368	1	3.55	160_20 _03_1_ 1_LP
				1500	1557	1	2.34	188_21 _03_2_ LP
			99.42 %				9.44	
10	6330	1500	9.49					
				1500	2368	1	3.55	158_20 _01_R_ 1_1_LP
				1500	2368	1	3.55	158_20 _01_R_ 1_2_LP
				1500	1557	1	2.34	188_21 _03_1_ LP
			99.42 %				9.44	
11	6330	1500	9.49					
				1500	2368	1	3.55	160_20 _03_1_ 1_LP
				1500	2368	1	3.55	160_20 _03_1_ 2_LP
				1500	1557	1	2.34	188_21 _03_3_ LP
			99.42 %				9.44	
12	6330	1500	9.49					
				748	1500	1	1.12	167_20

No	Stk Length	Stk Width	Stk Area	Prt Length	Prt Width	Qty	Part Area	Name
								_10_R_1_1_1_LP
				1407	745	1	1.05	165_20_08_1_LP
				1407	745	1	1.05	165_20_08_2_LP
				1500	1250	1	1.88	166_20_09_R2_2_LP
				750	1250	1	0.94	166_20_09_R2_3_LP
				1500	500	1	0.75	190_21_05_R_4_LP
				1500	1758	1	2.64	190_21_05_R_5_LP
			99.19 %				9.42	
13	6330	1500	9.49					
				1500	2368	1	3.55	160_20_03_1_2_LP
				1450	1428	1	2.07	162_20_05_4_LP
				1500	2507	1	3.76	171_20_14_2_LP
			98.82 %				9.38	
14	6330	1500	9.49					
				1500	1160	2	1.74	167_20_10_T
				2244.61	1500	1	2.19	160_20_03_1_4_LP
				1500	2258	1	3.39	190_21_05_R_2_LP
				2078	1500	1	2.06	190_21_05_T_1_LP
			98.77 %				9.38	
15	6330	1500	9.49					
				1450	2243	1	3.25	164_20

No	Stk Length	Stk Width	Stk Area	Prt Length	Prt Width	Qty	Part Area	Name
								_07_4_ LP
				1500	2507	1	3.76	171_20 _14_1_ LP
				1500	1554	1	2.33	189_21 _04_1_ LP
			98.41 %				9.34	
16	6330	1500	9.49					
				1943	1500	1	1.46	158_20 _01_T
				1500	2243	1	3.36	164_20 _07_3_ LP
				2026	1364	1	2.76	186_21 _01_5_ LP
				2060	1431	1	1.62	191_21 _06_T_ 1_LP
			96.92 %				9.2	
17	6330	1500	9.49					
				1943	1500	1	1.46	158_20 _01_T
				748	650	2	0.97	167_20 _10_R_ 1_1_2_ LP
				2244.61	1500	1	2.19	160_20 _03_1_ 4_LP
				1500	1428	1	2.14	162_20 _05_3_ LP
				1409	1554	1	2.19	189_21 _04_3_ LP
			94.31 %				8.95	
18	6330	1500	9.49					
				650	2368	2	3.08	158_20 _01_R_ 1_3_LP
				1450	2775	1	4.02	163_20 _06_4_ LP
				1000	1348	1	1.35	187_21 _02_1_

No	Stk Length	Stk Width	Stk Area	Prt Length	Prt Width	Qty	Part Area	Name
								LP
			89.00 %				8.45	
19	6330	1500	9.49					
				3650	225	1	0.82	169_20_12
				3150	868	2	4.68	160_20_03_1_3_LP
				650	748	1	0.49	170_20_13_3_LP
				631	1557	1	0.98	188_21_03_4_LP
				665.36	526	1	0.22	190_21_05_T_2_LP
			75.75 %				7.19	
20	6330	1500	9.49					
				745	3149	1	2.35	166_20_09_R1_2_LP
				650	2507	1	1.63	171_20_14_3_LP
				700	2258	1	1.58	191_21_06_R_1_LP
			95.92 %				5.56	

Details of each Layout:



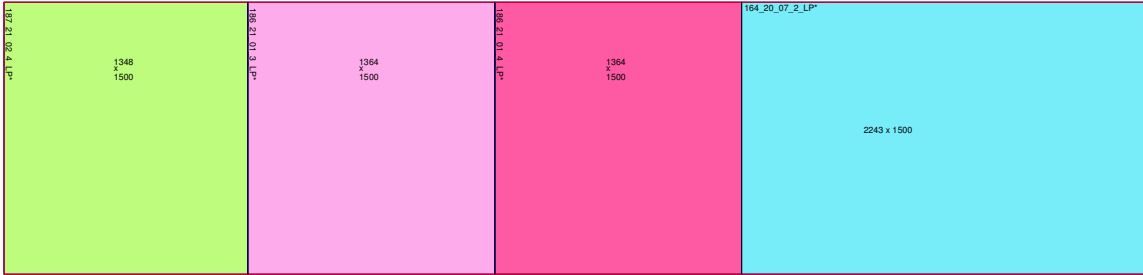
Layout 1 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
165_20_08_3_LP	2814	1500	1	4.22	1*	0/1	Rem
166_20_09_R2_1_LP	1500	1250	1	1.88	1*	0/1	Rem
190_21_05_R_1_LP	1500	2258	1	3.39	1*	0/1	Rem
Total			3	9.48	3		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	1250	0	1250	1500
2	3508	0	3508	1500
3	6322	0	6322	1500



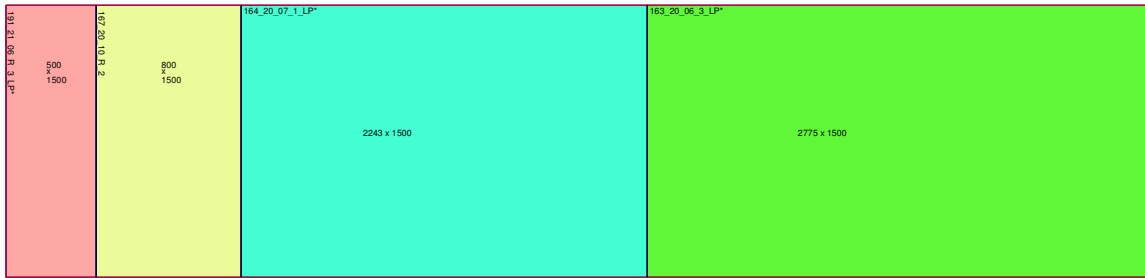
Layout 2 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
164_20_07_2_LP	1500	2243	1	3.36	1*	0/1	Rem
186_21_01_3_LP	1500	1364	1	2.05	1*	0/1	Rem
186_21_01_4_LP	1500	1364	1	2.05	1*	0/1	Rem
187_21_02_4_LP	1500	1348	1	2.02	1*	0/1	Rem
Total			4	9.48	4		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	1348	0	1348	1500
2	2712	0	2712	1500
3	4076	0	4076	1500
4	6319	0	6319	1500



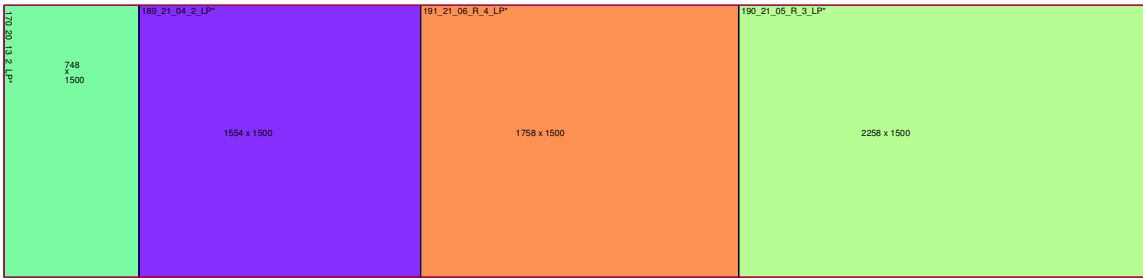
Layout 3 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
167_20_10_R_2	800	1500	1	1.2	1	0/2	167_20_10_R + 168_20_11_R - total 2299 x 3650
163_20_06_3_LP	1500	2775	1	4.16	1*	0/1	Rem
164_20_07_1_LP	1500	2243	1	3.36	1*	0/1	Rem
191_21_06_R_3_LP	1500	500	1	0.75	1*	0/1	Rem
Total			4	9.48	4		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	500	0	500	1500
2	1300	0	1300	1500
3	3543	0	3543	1500
4	6318	0	6318	1500



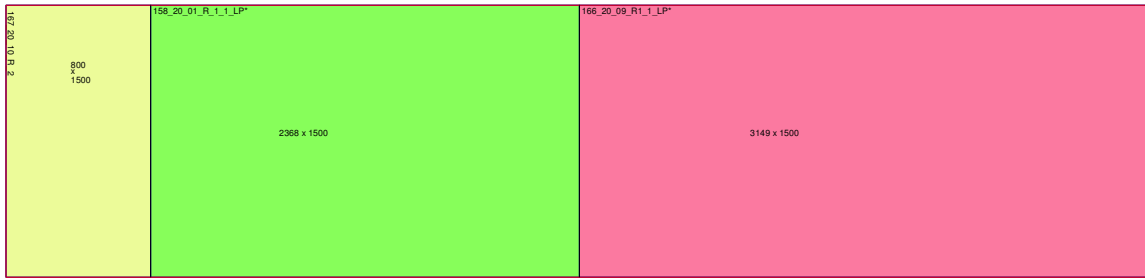
Layout 4 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
170_20_13_2_LP	1500	748	1	1.12	1*	0/1	Rem
189_21_04_2_LP	1500	1554	1	2.33	1*	0/1	Rem
191_21_06_R_4_LP	1500	1758	1	2.64	1*	0/1	Rem
190_21_05_R_3_LP	1500	2258	1	3.39	1*	0/1	Rem
Total			4	9.48	4		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	748	0	748	1500
2	2302	0	2302	1500
3	4060	0	4060	1500
4	6318	0	6318	1500



Layout 5 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
167_20_10_R_2	800	1500	1	1.2	1*	1/2	167_20_10_R + 168_20_11_R - total 2299 x 3650
158_20_01_R_1_1_LP	1500	2368	1	3.55	1	0/2	Rem
166_20_09_R1_1_LP	1500	3149	1	4.72	1*	0/1	Rem
Total			3	9.48	3		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	800	0	800	1500
2	3168	0	3168	1500
3	6317	0	6317	1500



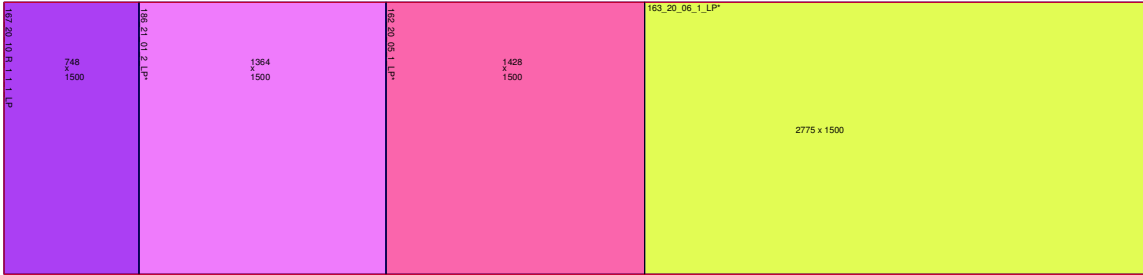
Layout 6 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
186_21_01_1_LP	1500	1364	1	2.05	1*	0/1	Rem
187_21_02_2_LP	1500	1348	1	2.02	1*	0/1	Rem
187_21_02_5_LP	1497	1348	1	2.02	1*	0/1	Rem
191_21_06_R_2_LP	1500	2258	1	3.39	1*	0/1	Rem
Total			4	9.47	4		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	1348	0	1348	1500
2	0	1497	1348	1497
3	2696	0	2696	1500
4	4060	0	4060	1500
5	6318	0	6318	1500



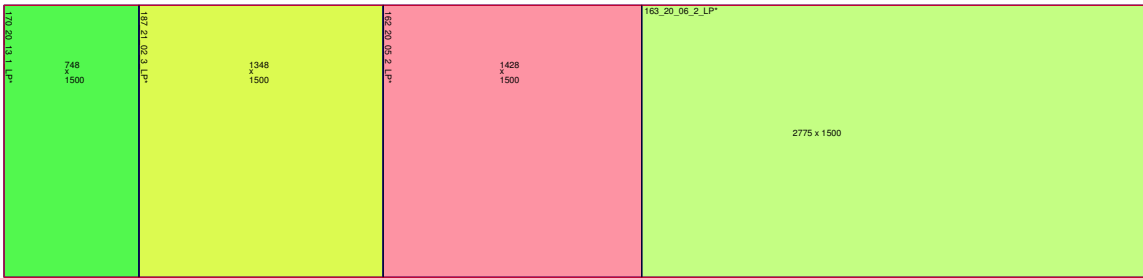
Layout 7 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
167_20_10_R_1_1_1_LP	748	1500	1	1.12	1	0/2	Rem
162_20_05_1_LP	1500	1428	1	2.14	1*	0/1	Rem
163_20_06_1_LP	1500	2775	1	4.16	1*	0/1	Rem
186_21_01_2_LP	1500	1364	1	2.05	1*	0/1	Rem
Total			4	9.47	4		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	748	0	748	1500
2	2112	0	2112	1500
3	3540	0	3540	1500
4	6315	0	6315	1500



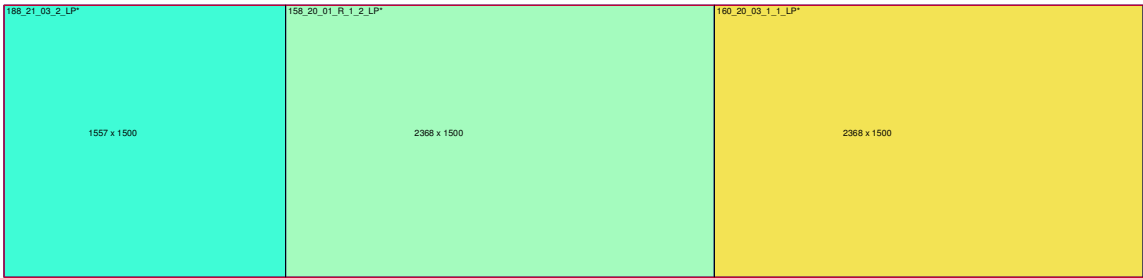
Layout 8 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
162_20_05_2_LP	1500	1428	1	2.14	1*	0/1	Rem
163_20_06_2_LP	1500	2775	1	4.16	1*	0/1	Rem
170_20_13_1_LP	1500	748	1	1.12	1*	0/1	Rem
187_21_02_3_LP	1500	1348	1	2.02	1*	0/1	Rem
Total			4	9.45	4		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	748	0	748	1500
2	2096	0	2096	1500
3	3524	0	3524	1500
4	6299	0	6299	1500



Layout 9 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
158_20_01_R_1_2_LP	1500	2368	1	3.55	1	0/2	Rem
160_20_03_1_1_LP	1500	2368	1	3.55	1	0/2	Rem
188_21_03_2_LP	1500	1557	1	2.34	1*	0/1	Rem
Total			3	9.44	3		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	1557	0	1557	1500
2	3925	0	3925	1500
3	6293	0	6293	1500



Layout 10 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
158_20_01_R_1_1_LP	1500	2368	1	3.55	1*	1/2	Rem
158_20_01_R_1_2_LP	1500	2368	1	3.55	1*	1/2	Rem
188_21_03_1_LP	1500	1557	1	2.34	1*	0/1	Rem
Total			3	9.44	3		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	1557	0	1557	1500
2	3925	0	3925	1500
3	6293	0	6293	1500



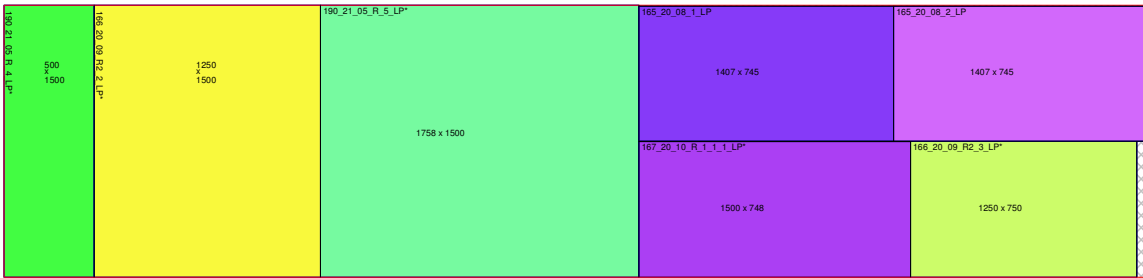
Layout 11 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
160_20_03_1_1_LP	1500	2368	1	3.55	1*	1/2	Rem
160_20_03_1_2_LP	1500	2368	1	3.55	1	0/2	Rem
188_21_03_3_LP	1500	1557	1	2.34	1*	0/1	Rem
Total			3	9.44	3		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	1557	0	1557	1500
2	3925	0	3925	1500
3	6293	0	6293	1500



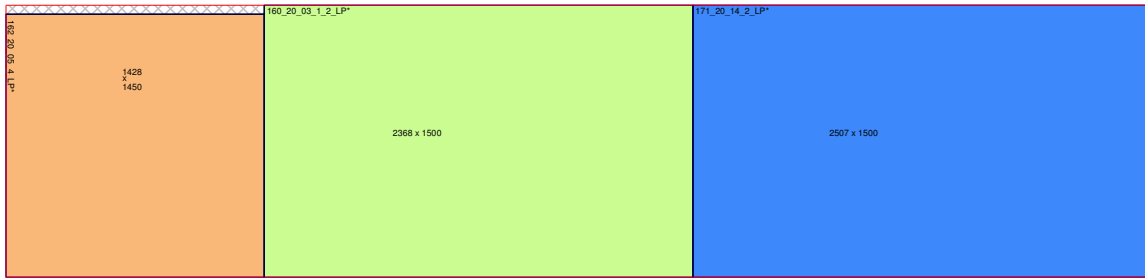
Layout 12 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
167_20_10_R_1_1_1_LP	748	1500	1	1.12	1*	1/2	Rem
165_20_08_1_LP	1407	745	1	1.05	1*	0/1	Rem
165_20_08_2_LP	1407	745	1	1.05	1*	0/1	Rem
166_20_09_R2_2_LP	1500	1250	1	1.88	1*	0/1	Rem
166_20_09_R2_3_LP	750	1250	1	0.94	1*	0/1	Rem
190_21_05_R_4_LP	1500	500	1	0.75	1*	0/1	Rem
190_21_05_R_5_LP	1500	1758	1	2.64	1*	0/1	Rem
Total			7	9.42	7		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	500	0	500	1500
2	1750	0	1750	1500
3	3508	0	3508	1500
4	6322	0	6322	1500
5	3508	750	6322	750
6	5008	0	5008	750
7	3508	748	5008	748
8	6258	0	6258	750
9	3508	1495	6322	1495
10	4915	750	4915	1495



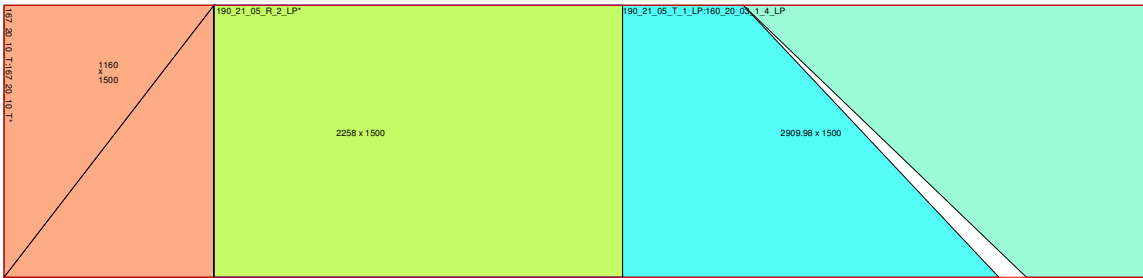
Layout 13 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
160_20_03_1_2_LP	1500	2368	1	3.55	1*	1/2	Rem
162_20_05_4_LP	1450	1428	1	2.07	1*	0/1	Rem
171_20_14_2_LP	1500	2507	1	3.76	1*	0/1	Rem
Total			3	9.38	3		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	1428	0	1428	1500
2	0	1450	1428	1450
3	3796	0	3796	1500
4	6303	0	6303	1500



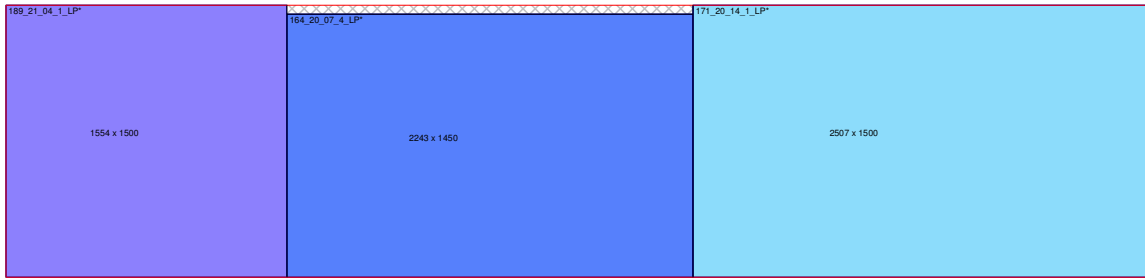
Layout 14 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
167_20_10_T	1500	1160	2	1.74	2*	0/2	167_20_10_T + 168_20_11_T - total 2299 x 3650
160_20_03_1_4_LP	2244.61	1500	1	2.19	1	0/2	Rem
190_21_05_R_2_LP	1500	2258	1	3.39	1*	0/1	Rem
190_21_05_T_1_LP	2078	1500	1	2.06	1*	0/1	Rem
Total			5	9.38	5		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	1160	0	1160	1500
2	3418	0	3418	1500
3	6327.98	0	6327.98	1500



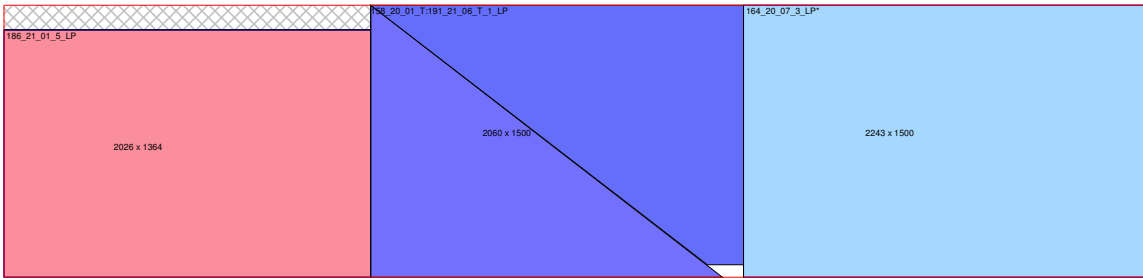
Layout 15 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
164_20_07_4_LP	1450	2243	1	3.25	1*	0/1	Rem
171_20_14_1_LP	1500	2507	1	3.76	1*	0/1	Rem
189_21_04_1_LP	1500	1554	1	2.33	1*	0/1	Rem
Total			3	9.34	3		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	1554	0	1554	1500
2	3797	0	3797	1500
3	1554	1450	3797	1450
4	6304	0	6304	1500



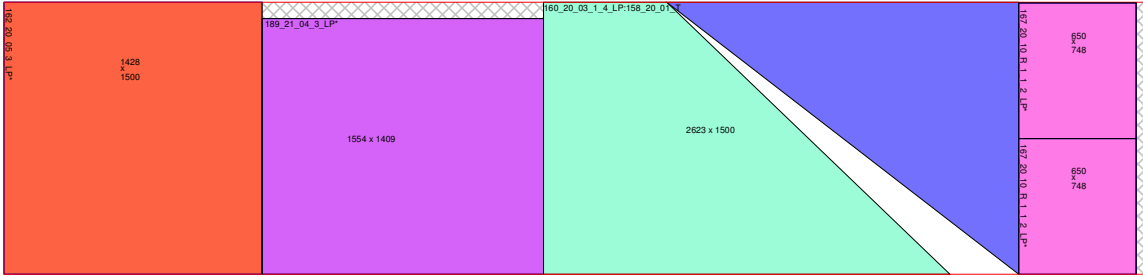
Layout 16 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
158_20_01_T	1943	1500	1	1.46	1	0/2	158_20_01_T + 159_20_01_T
164_20_07_3_LP	1500	2243	1	3.36	1*	0/1	Rem
186_21_01_5_LP	2026	1364	1	2.76	1*	0/1	Rem
191_21_06_T_1_LP	2060	1431	1	1.62	1*	0/1	Rem
Total			4	9.2	4		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	2026	0	2026	1500
2	0	1364	2026	1364
3	4086	0	4086	1500
4	6329	0	6329	1500



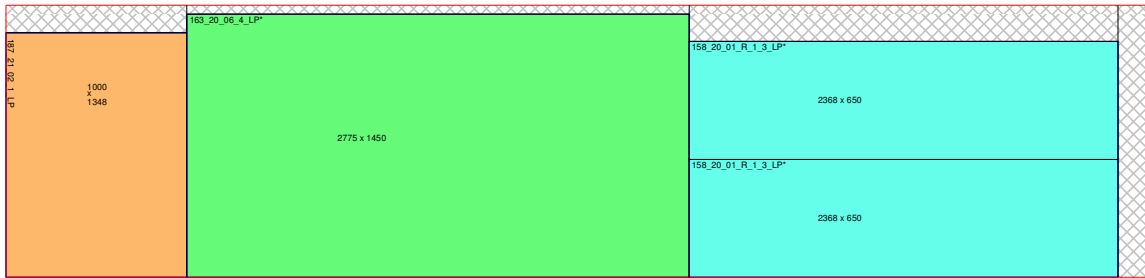
Layout 17 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
158_20_01_T	1943	1500	1	1.46	1*	1/2	158_20_01_T + 159_20_01_T
167_20_10_R_1_1_2_LP	748	650	2	0.97	2*	0/2	Rem
160_20_03_1_4_LP	2244.61	1500	1	2.19	1*	1/2	Rem
162_20_05_3_LP	1500	1428	1	2.14	1*	0/1	Rem
189_21_04_3_LP	1409	1554	1	2.19	1*	0/1	Rem
Total			6	8.95	6		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	1428	0	1428	1500
2	2982	0	2982	1500
3	1428	1409	2982	1409
4	5605	0	5605	1500
5	6255	0	6255	1500
6	5605	748	6255	748
7	5605	1496	6255	1496



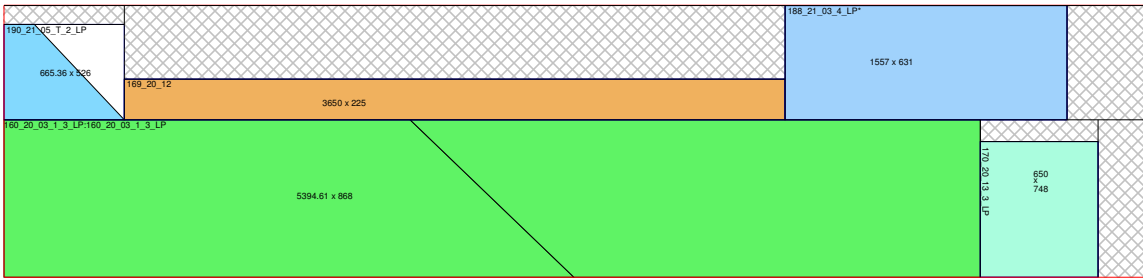
Layout 18 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Rema rks
158_20_01_R_1_3_LP	650	2368	2	3.08	2*	0/2	Rem
163_20_06_4_LP	1450	2775	1	4.02	1*	0/1	Rem
187_21_02_1_LP	1000	1348	1	1.35	1*	0/1	Rem
Total			4	8.45	4		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	1000	0	1000	1500
2	0	1348	1000	1348
3	3775	0	3775	1500
4	1000	1450	3775	1450
5	6143	0	6143	1500
6	3775	650	6143	650
7	3775	1300	6143	1300



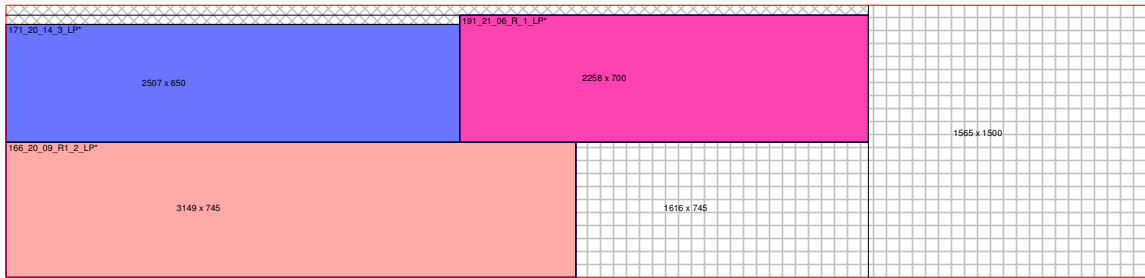
Layout 19 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
169_20_12	3650	225	1	0.82	1*	0/1	
160_20_03_1_3_LP	3150	868	2	4.68	2*	0/2	Rem
170_20_13_3_LP	650	748	1	0.49	1*	0/1	Rem
188_21_03_4_LP	631	1557	1	0.98	1*	0/1	Rem
190_21_05_T_2_LP	665.36	526	1	0.22	1*	0/1	Rem
Total			6	7.19	6		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	0	868	6330	868
2	5394.61	0	5394.61	868
3	6044.61	0	6044.61	868
4	5394.61	748	6044.61	748
5	0	1499	6330	1499
6	665.36	868	665.36	1499
7	0	1394	665.36	1394
8	4315.36	868	4315.36	1499
9	665.36	1093	4315.36	1093
10	5872.36	868	5872.36	1499



Layout 20 of 20(Stock:PL5 x 6330 x 1500 Dim:6330 x 1500 Qty:1)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
166_20_09_R1_2_LP	745	3149	1	2.35	1*	0/1	Rem
171_20_14_3_LP	650	2507	1	1.63	1*	0/1	Rem
191_21_06_R_1_LP	700	2258	1	1.58	1*	0/1	Rem
Total			3	5.56	3		
Offcuts							
Off_20_2	1565	1500	1	2.35	1		
Off_20_3	1616	745	1	1.2	1		
Total			2	3.55	2		

Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	4765	0	4765	1500
2	0	745	4765	745
3	3149	0	3149	745
4	0	1445	4765	1445
5	2507	745	2507	1445
6	0	1395	2507	1395