



## Nirvana Technologies Pvt. Ltd.

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# PLUS 2D Nesting Software Optimization Report

### General Details:

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

**Stock Details:**

<b>Id</b>	<b>Length</b>	<b>Width</b>	<b>Cost</b>	<b>Qty</b>	<b>Material</b>	<b>Thk</b>	<b>Remarks</b>
stk1	2440	1220	1190.72	1000	mdf	10	
stk2	2440	1830	1786.08	1000	mdf	10	

**Part Details:**

<b>Name</b>	<b>Fin. Length</b>	<b>Fin. Width</b>	<b>Rotn</b>	<b>Qty</b>	<b>Type</b>	<b>Material</b>	<b>Thk</b>	<b>Remarks</b>
shelf-shelf-T_Bot	1100	400	1	500	Rect	mdf	10	Top and Bottom Cover shelf
shelf-shelf-Sides	400	600	1	3000	Rect	mdf	10	Sides-2 and partion -2 part Big doors[s shelf-BD-2] [shelf-Sides-4]
shelf-shelf-DD	300	200	1	1500	Rect	mdf	10	Drower doors
shelf-shelf-DDsides	400	200	1	3000	Rect	mdf	10	Drower sides
shelf-shelf-DBot	300	400	1	2500	Rect	mdf	10	Drower Bottom Drower Bottom[shel f-DP-2] [shelf-DBot-3]
shelf-shelf-Bck	1100	600	1	500	Rect	mdf	10	Back Side of Shelf

**Summary of Optimization Results:**

<b>Summary of Optimization Results:</b>
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<b>Summary of Optimization Results:</b>	
Grinding Margin	0
Saw Width	3
Number of Layouts	9
Number of Stock Used	441
Total Utilization	96.75 %
Total Parts Required	11000
Total Parts Nested	11000
Reusable Offcuts	1
Total Stock Area	1964.69
Total Part Area	1900
Offcut Area	0.77
Scrap Area	63.92
Total Stock Weight	7858.75
Total Part Weight	7620.88
Total Offcut Weight	3.06
Total Scrap Weight	255.69
ScrapWt/PartWt	3.36 %

### Summary of Layouts:

No	Name	Qty	Util%	Cost	Parts	Offcut Qty - Size
1	stk1	1	96.75	1190.72	16	0
2	stk1	1	96.75	1190.72	10	0
3	stk1	1	95.61	1190.72	14	1,[2440X314]
4	stk2	9	96.75	16074.72	459	0
5	stk2	66	96.75	117881.28	2112	0
6	stk2	54	96.75	96448.32	1620	0
7	stk2	65	96.75	116095.20	845	0
8	stk2	42	96.75	75015.36	672	0
9	stk2	202	96.75	360788.16	5252	0

**Parts Summary Table:**

No	Name	Size and Mate (L x W, [Mate,Thk])	Nested (Required)	Area	Weight	Remarks
1	shelf-shelf-T_Bot	1100 x 400, [mdf,10]	500 (500)	220	17160	Top and Bottom Cover shelf
2	shelf-shelf-Sides	400 x 600, [mdf,10]	3000 (3000)	720	56160	Sides-2 and partion-2 part Big doors[shelf-BD-2] [shelf-Sides-4]
3	shelf-shelf-DD	300 x 200, [mdf,10]	1500 (1500)	90	7020	Drower doors
4	shelf-shelf-DDsides	400 x 200, [mdf,10]	3000 (3000)	240	18720	Drover sides
5	shelf-shelf-DBot	300 x 400, [mdf,10]	2500 (2500)	300	23400	Drower Bottom Drower Bottom[shelf-DP-2] [shelf-DBot-3]
6	shelf-shelf-Bck	1100 x 600, [mdf,10]	500 (500)	330	25740	Back Side of Shelf
		Total	11000 (11000)	1900	148200	

**Stocks used details:**

No	Name	Length	Width	Avail Qty	Utl Qty	Area	Material	Thk
1	stk1	2440	1220	1000	3	8.93	mdf	10
2	stk2	2440	1830	1000	438	1955.76	mdf	10
	Total				441	1964.69		

**Offcut Details :**

Id	Length	Width	Cost	Qty	Area	Material	Thk
Off_3_1	2440	314	306.46	1	0.77	mdf	10
Total				1	0.77		

**Parts Cut List:**

Name	Length	Width	Qty	Remarks Layout-Qty	Material	Thk
shelf-shelf-T_Bot	1100	400	500	8-168/7-130/5-198/2-4	mdf	10
shelf-shelf-Sides	400	600	300 0	9-2424/8-420/6-54/5-66/4-27/3-5/2-4	mdf	10
shelf-shelf-DD	300	200	150 0	6-378/5-726/4-387/3-2/1-7	mdf	10
shelf-shelf-DDsides	400	200	300 0	9-1212/8-84/7-65/6-810/5-792/4-27/3-2/2-2/1-6	mdf	10
shelf-shelf-DBot	300	400	250 0	9-1616/7-390/6-216/5-264/4-9/3-5	mdf	10
shelf-shelf-Bck	1100	600	500	7-260/6-162/5-66/4-9/1-3	mdf	10

**Detailed table about Stocks & Parts:**

No	Stk Length	Stk Width	Stk Area	Prt Length	Prt Width	Qty	Part Area	Name
1	2440	1220	2.98					
				300	200	7	0.42	shelf-shelf-DD
				400	200	6	0.48	shelf-shelf-DDside s
				1100	600	3	1.98	shelf-shelf-Bck
			96.75 %				2.88	
2	2440	1220	2.98					
				1100	400	4	1.76	shelf-shelf-T_Bot
				400	600	4	0.96	shelf-shelf-Sides
				400	200	2	0.16	shelf-shelf-DDside s
			96.75 %				2.88	
3	2440	1220	2.98					
				400	600	5	1.2	shelf-shelf-Sides
				300	200	2	0.12	shelf-shelf-DD
				400	200	2	0.16	shelf-shelf-DDside s
				300	400	5	0.6	shelf-shelf-DBot
			95.61 %				2.08	
4	2440	1830	4.47					
				400	600	3	0.72	shelf-shelf-Sides
				300	200	43	2.58	shelf-shelf-DD



No	Stk Length	Stk Width	Stk Area	Prt Length	Prt Width	Qty	Part Area	Name
				400	200	3	0.24	shelf-shelf-DDside s
				300	400	1	0.12	shelf-shelf-DBot
				1100	600	1	0.66	shelf-shelf-Bck
			96.75 %				4.32	
5	2440	1830	4.47					
				1100	400	3	1.32	shelf-shelf-T_Bot
				400	600	1	0.24	shelf-shelf-Sides
				300	200	11	0.66	shelf-shelf-DD
				400	200	12	0.96	shelf-shelf-DDside s
				300	400	4	0.48	shelf-shelf-DBot
				1100	600	1	0.66	shelf-shelf-Bck
			96.75 %				4.32	
6	2440	1830	4.47					
				400	600	1	0.24	shelf-shelf-Sides
				300	200	7	0.42	shelf-shelf-DD
				400	200	15	1.2	shelf-shelf-DDside s
				300	400	4	0.48	shelf-shelf-DBot
				1100	600	3	1.98	shelf-shelf-

No	Stk Length	Stk Width	Stk Area	Prt Length	Prt Width	Qty	Part Area	Name
								Bck
			96.75 %				4.32	
7	2440	1830	4.47					
				1100	400	2	0.88	shelf-shelf-T_Bot
				400	200	1	0.08	shelf-shelf-DDside s
				300	400	6	0.72	shelf-shelf-DBot
				1100	600	4	2.64	shelf-shelf-Bck
			96.75 %				4.32	
8	2440	1830	4.47					
				1100	400	4	1.76	shelf-shelf-T_Bot
				400	600	10	2.4	shelf-shelf-Sides
				400	200	2	0.16	shelf-shelf-DDside s
			96.75 %				4.32	
9	2440	1830	4.47					
				400	600	12	2.88	shelf-shelf-Sides
				400	200	6	0.48	shelf-shelf-DDside s
				300	400	8	0.96	shelf-shelf-DBot
			96.75 %				4.32	



<b>CutIndex</b>	<b>StartPt X</b>	<b>StartPt Y</b>	<b>EndPt X</b>	<b>EndPt Y</b>
7	203	600	1303	600
8	203	1203	1303	1203
9	2412	0	2412	1220
10	1306	600	2412	600
11	2406	0	2406	600
12	1306	803	2412	803
13	1706	603	1706	803
14	2109	603	2109	803
15	1306	1006	2412	1006
16	1706	806	1706	1006
17	2109	806	2109	1006
18	1306	1209	2412	1209
19	1706	1009	1706	1209
20	2109	1009	2109	1209

shelf-shelf-T_Bot 1100 x 400		shelf-shelf-T_Bot 1100 x 400		shelf-shelf-DDsides 200 x 400
shelf-shelf-T_Bot 1100 x 400		shelf-shelf-T_Bot 1100 x 400		
shelf-shelf-Sides* 600 x 400	shelf-shelf-Sides* 600 x 400	shelf-shelf-Sides* 600 x 400	shelf-shelf-Sides* 600 x 400	

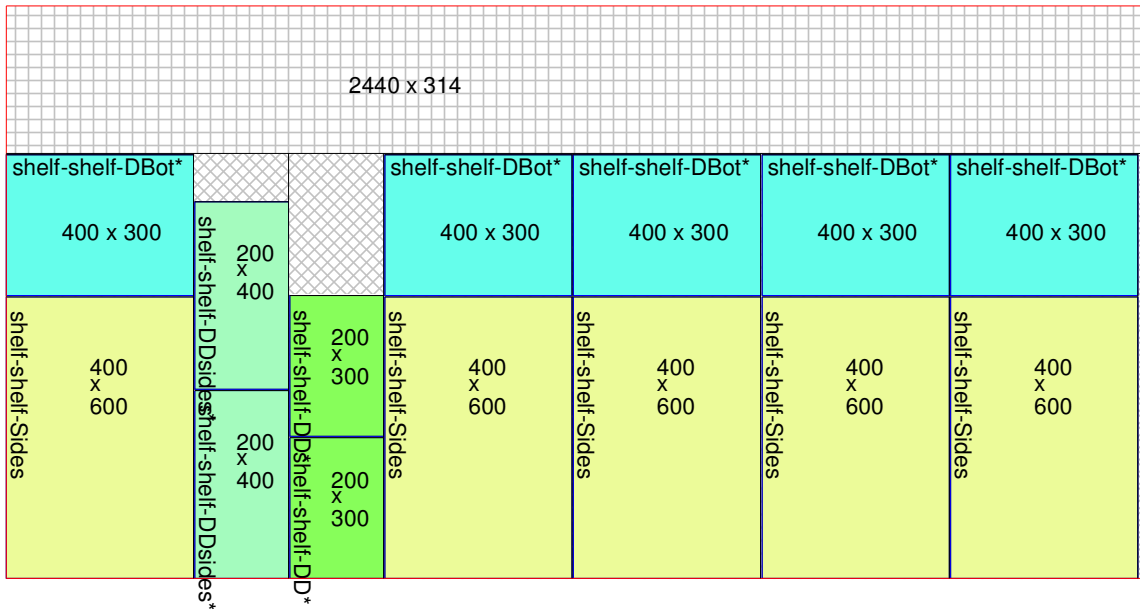
**Layout 2 of 9(Stock:stk1 Dim:2440 x 1220 Qty:1 Material:mdf Thk:10)**

**Bill Of Materials:**

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
shelf-shelf-T_Bot	1100	400	4	1.76	4	0/500	Top and Bottom Cover shelf
shelf-shelf-Sides	400	600	4	0.96	4	0/3000	Sides-2 and partition-2 part Big doors[shelf-BD-2][shelf-Sides-4]
shelf-shelf-DDsides	400	200	2	0.16	2	6/3000	Drove r sides
Total			10	2.88	10		

### Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	0	400	2440	400
2	600	0	600	400
3	1203	0	1203	400
4	1806	0	1806	400
5	2409	0	2409	400
6	0	803	2440	803
7	1100	403	1100	803
8	2203	403	2203	803
9	2406	403	2406	803
10	0	1206	2440	1206
11	1100	806	1100	1206
12	2203	806	2203	1206
13	2406	806	2406	1206



**Layout 3 of 9(Stock:stk1 Dim:2440 x 1220 Qty:1 Material:mdf Thk:10)**

**Bill Of Materials:**

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
shelf-shelf-Sides	400	600	5	1.2	5	4/3000	Sides-2 and partion-2 part Big doors[shelf-BD-2][shelf-Sides-4]
shelf-shelf-DD	300	200	2	0.12	2	7/1500	Drower doors
shelf-shelf-DDsides	400	200	2	0.16	2	8/3000	Drower sides
shelf-shelf-DBot	300	400	5	0.6	5	0/2500	Drower Bottom Drow

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
							er Botto m[she lf-DP- 2] [shelf- DBot- 3]
Total			14	2.08	14		
Offcuts							
Off_3_1	2440	314	1	0.77	1		
Total			1	0.77	1		

### Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	0	906	2440	906
2	400	0	400	906
3	0	600	400	600
4	0	903	400	903
5	603	0	603	906
6	403	400	603	400
7	403	803	603	803
8	806	0	806	906
9	606	300	806	300
10	606	603	806	603
11	1612	0	1612	906
12	809	600	1612	600
13	1209	0	1209	600
14	809	903	1612	903
15	1209	603	1209	903
16	2418	0	2418	906
17	1615	600	2418	600
18	2015	0	2015	600
19	1615	903	2418	903
20	2015	603	2015	903



shelf-shelf-Bck* 600 x 1100	shelf-shelf-DD 200 x 300	shelf-shelf-DD 200 x 300	shelf-shelf-DD 200 x 300	shelf-shelf-Sides* 600 x 400		shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200
				shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200		
	shelf-shelf-DD 200 x 400	shelf-shelf-DD 200 x 300	shelf-shelf-DD 200 x 300	shelf-shelf-Sides* 600 x 400		shelf-shelf-Sides* 600 x 400	
				shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200
	shelf-shelf-DD 200 x 400	shelf-shelf-DD 200 x 300	shelf-shelf-DD 200 x 300	shelf-shelf-DDside 400 x 200		shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200
				shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200
	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200
	shelf-shelf-DBot* 400 x 300	shelf-shelf-DD 200 x 300	shelf-shelf-DD 200 x 300	shelf-shelf-DD 200 x 300	shelf-shelf-DD 200 x 300	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200
						shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200
	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200	shelf-shelf-DD 300 x 200

Layout 4 of 9(Stock:stk2 Dim:2440 x 1830 Qty:9 Material:mdf Thk:10)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
shelf-shelf-Sides	400	600	3	0.72	27	9/3000	Sides-2 and partion-2 part Big doors[shelf-BD-2][shelf-Sides-4]
shelf-shelf-DD	300	200	43	2.58	387	9/1500	Drower

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
							doors
shelf-shelf-DDsides	400	200	3	0.24	27	10/3000	Drove r sides
shelf-shelf-DBot	300	400	1	0.12	9	5/2500	Drow er Botto m Drow er Botto m[shel f-DP-2] [shelf-DBot-3]
shelf-shelf-Bck	1100	600	1	0.66	9	3/500	Back Side of Shelf
Total			51	4.32	459		

### Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	0	200	2440	200
2	300	0	300	200
3	603	0	603	200
4	906	0	906	200
5	1209	0	1209	200
6	1512	0	1512	200
7	1815	0	1815	200
8	2118	0	2118	200
9	2421	0	2421	200
10	0	1824	2440	1824
11	1215	203	1215	1824
12	0	503	1215	503
13	400	203	400	503
14	603	203	603	503
15	806	203	806	503
16	1009	203	1009	503
17	1212	203	1212	503
18	0	706	1215	706
19	300	506	300	706
20	603	506	603	706
21	906	506	906	706
22	1209	506	1209	706
23	0	1821	1215	1821

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
24	600	709	600	1821
25	0	1809	600	1809
26	803	709	803	1821
27	603	1109	803	1109
28	603	1512	803	1512
29	603	1815	803	1815
30	1209	709	1209	1821
31	806	909	1209	909
32	1206	709	1206	909
33	806	1212	1209	1212
34	1006	912	1006	1212
35	806	1515	1209	1515
36	1006	1215	1006	1515
37	806	1818	1209	1818
38	1006	1518	1006	1818
39	2427	203	2427	1824
40	1215	403	2427	403
41	1515	203	1515	403
42	1818	203	1818	403
43	2121	203	2121	403
44	2424	203	2424	403
45	1215	606	2427	606
46	1515	406	1515	606
47	1818	406	1818	606
48	2121	406	2121	606
49	2424	406	2424	606
50	1215	809	2427	809
51	1515	609	1515	809
52	1818	609	1818	809
53	2121	609	2121	809
54	2424	609	2424	809
55	1215	1012	2427	1012
56	1515	812	1515	1012
57	1818	812	1818	1012
58	2121	812	2121	1012
59	2424	812	2424	1012
60	1815	1015	1815	1824
61	1215	1415	1815	1415
62	1215	1818	1815	1818
63	2421	1015	2421	1824
64	1818	1415	2421	1415
65	2418	1015	2418	1415
66	1818	1618	2421	1618
67	2118	1418	2118	1618
68	1818	1821	2421	1821
69	2118	1621	2118	1821

shelf-shelf-DDside 400 x 200	shelf-shelf-DDside 400 x 200	shelf-shelf-DDside 400 x 200	shelf-shelf-Bck* 600 x 1100	shelf-shelf-D 200 x 300	shelf-shelf-D 200 x 300	shelf-shelf-D 200 x 300
shelf-shelf-DDside 400 x 200	shelf-shelf-DDside 400 x 200	shelf-shelf-DDside 400 x 200		shelf-shelf-D 200 x 400	shelf-shelf-D 200 x 400	shelf-shelf-D 200 x 400
shelf-shelf-T_Bot* 400 x 1100	shelf-shelf-T_Bot* 400 x 1100	shelf-shelf-T_Bot* 400 x 1100		shelf-shelf-D 200 x 400	shelf-shelf-D 200 x 400	shelf-shelf-D 200 x 400
shelf-shelf-Sides* 600 x 400				shelf-shelf-D 300 x 400	shelf-shelf-D 300 x 400	shelf-shelf-D 300 x 400
shelf-shelf-DBot* 400 x 300	shelf-shelf-DBot* 400 x 300	shelf-shelf-DD* 200 x 300	shelf-shelf-DD* 200 x 300	shelf-shelf-DD* 200 x 300	shelf-shelf-DD* 200 x 300	shelf-shelf-DD* 200 x 300

Layout 5 of 9(Stock:stk2 Dim:2440 x 1830 Qty:66 Material:mdf Thk:10)

**Bill Of Materials:**

Name	Length	Width	Qty	Area	Total Qty.	Prod/Re qd.	Remarks
shelf-shelf-T_Bot	1100	400	3	1.32	198	4/500	Top and Bottom Cover shelf
shelf-shelf-Sides	400	600	1	0.24	66	36/3000	Sides-2 and partion-2 part Big doors[

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
							shelf-BD-2] [shelf-Sides-4]
shelf-shelf-DD	300	200	11	0.66	726	396/1500	Drower doors
shelf-shelf-DDsides	400	200	12	0.96	792	37/3000	Drove r sides
shelf-shelf-DBot	300	400	4	0.48	264	14/2500	Drower Bottom Drower Bottom [shelf-DP-2] [shelf-DBot-3]
shelf-shelf-Bck	1100	600	1	0.66	66	12/500	Back Side of Shelf
Total			32	4.32	2112		

### Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	0	300	2440	300
2	400	0	400	300
3	803	0	803	300
4	1006	0	1006	300
5	1209	0	1209	300
6	1412	0	1412	300
7	1615	0	1615	300
8	1818	0	1818	300
9	2021	0	2021	300
10	2224	0	2224	300
11	2427	0	2427	300
12	0	1815	2440	1815
13	1206	303	1206	1815
14	0	1403	1206	1403
15	400	303	400	1403
16	803	303	803	1403

<b>CutIndex</b>	<b>StartPt X</b>	<b>StartPt Y</b>	<b>EndPt X</b>	<b>EndPt Y</b>
17	0	1606	1206	1606
18	400	1406	400	1606
19	803	1406	803	1606
20	0	1809	1206	1809
21	400	1609	400	1809
22	803	1609	803	1809
23	2421	303	2421	1815
24	1209	703	2421	703
25	1809	303	1809	703
26	2112	303	2112	703
27	2415	303	2415	703
28	1209	1812	2421	1812
29	1809	706	1809	1812
30	1209	1806	1809	1806
31	2012	706	2012	1812
32	1812	1106	2012	1106
33	1812	1509	2012	1509
34	2215	706	2215	1812
35	2015	1106	2215	1106
36	2015	1509	2215	1509
37	2418	706	2418	1812
38	2218	1106	2418	1106
39	2218	1509	2418	1509

shelf-shelf-Bck*	600 x 1100		shelf-shelf-Bck*	600 x 1100		shelf-shelf-Bck*	600 x 1100		shelf-shelf-DDside	200 x 300	shelf-shelf-DDside	200 x 300	shelf-shelf-DDside	200 x 300
	600 x 1100			600 x 1100			600 x 1100		shelf-shelf-DDside	200 x 400	shelf-shelf-DDside	200 x 400	shelf-shelf-DDside	200 x 400
	600 x 1100			600 x 1100			600 x 1100		shelf-shelf-DDside	200 x 400	shelf-shelf-DDside	200 x 400	shelf-shelf-DDside	200 x 400
shelf-shelf-DDside	400 x 200	shelf-shelf-DDside	400 x 200	shelf-shelf-DDside	400 x 200	shelf-shelf-Sides*	600 x 400	shelf-shelf-DDside	200 x 400	shelf-shelf-DDside	200 x 400	shelf-shelf-DDside	200 x 400	
shelf-shelf-DDside	400 x 200	shelf-shelf-DDside	400 x 200	shelf-shelf-DDside	400 x 200			shelf-shelf-DDside	200 x 400	shelf-shelf-DDside	200 x 400	shelf-shelf-DDside	200 x 400	
shelf-shelf-DBot*	400 x 300	shelf-shelf-DBot*	400 x 300	shelf-shelf-DBot*	400 x 300	shelf-shelf-DBot*	400 x 300	shelf-shelf-DDside	200 x 300	shelf-shelf-DDside	200 x 300	shelf-shelf-DDside	200 x 300	

Layout 6 of 9 (Stock:stk2 Dim:2440 x 1830 Qty:54 Material:mdf Thk:10)

Bill Of Materials:

Name	Length	Width	Qty	Area	Total Qty.	Prod/Re qd.	Remarks
shelf-shelf-Sides	400	600	1	0.24	54	102/3000	Sides-2 and partion-2 part Big doors[ shelf-BD-2] [shelf-Sides-4]
shelf-shelf-DD	300	200	7	0.42	378*	1122/150	Drow

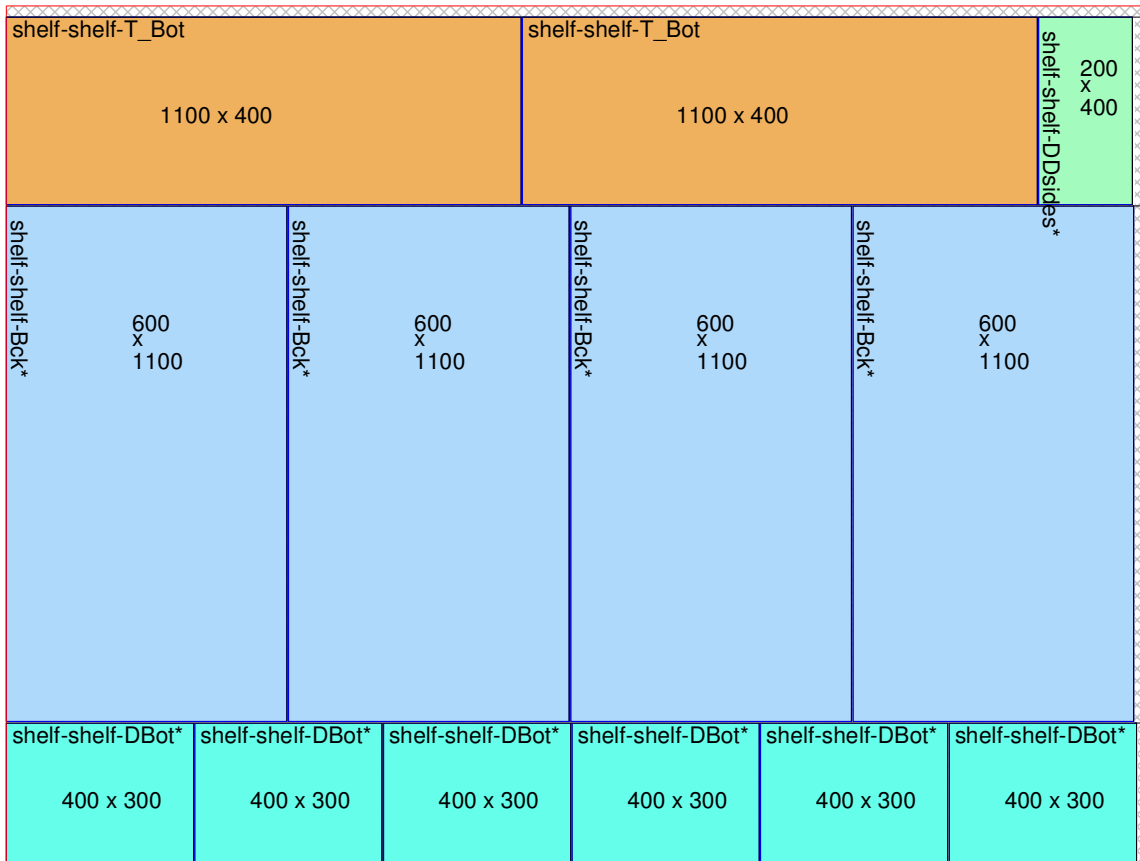
Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
						0	er doors
shelf-shelf-DDsides	400	200	15	1.2	810	829/3000	Drove r sides
shelf-shelf-DBot	300	400	4	0.48	216	278/2500	Drow er Botto m Drow er Botto m[shel f-DP-2] [shelf-DBot-3]
shelf-shelf-Bck	1100	600	3	1.98	162	78/500	Back Side of Shelf
Total			30	4.32	1620		

### Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	1206	0	1206	1830
2	0	300	1206	300
3	400	0	400	300
4	803	0	803	300
5	0	503	1206	503
6	400	303	400	503
7	803	303	803	503
8	0	706	1206	706
9	400	506	400	706
10	803	506	803	706
11	0	1809	1206	1809
12	600	709	600	1809
13	1203	709	1203	1809
14	2424	0	2424	1830
15	1209	300	2424	300
16	1609	0	1609	300
17	1812	0	1812	300
18	2015	0	2015	300
19	2218	0	2218	300
20	2421	0	2421	300
21	1209	703	2424	703
22	1809	303	1809	703



<b>CutIndex</b>	<b>StartPt X</b>	<b>StartPt Y</b>	<b>EndPt X</b>	<b>EndPt Y</b>
23	2012	303	2012	703
24	2215	303	2215	703
25	2418	303	2418	703
26	1209	1812	2424	1812
27	1809	706	1809	1812
28	1209	1806	1809	1806
29	2012	706	2012	1812
30	1812	1106	2012	1106
31	1812	1509	2012	1509
32	2215	706	2215	1812
33	2015	1106	2215	1106
34	2015	1509	2215	1509
35	2418	706	2418	1812
36	2218	1106	2418	1106
37	2218	1509	2418	1509



**Layout 7 of 9(Stock:stk2 Dim:2440 x 1830 Qty:65 Material:mdf Thk:10)**

**Bill Of Materials:**

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
shelf-shelf-T_Bot	1100	400	2	0.88	130	202/500	Top and Bottom Cover shelf
shelf-shelf-DDsides	400	200	1	0.08	65	1639/3000	Drover sides
shelf-shelf-DBot	300	400	6	0.72	390	494/2500	Drower Bottom Drower

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
							Bottom[shelf-DP-2] [shelf-DBot-3]
shelf-shelf-Bck	1100	600	4	2.64	260*	240/500	Back Side of Shelf
Total			13	4.32	845		

### Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	0	300	2440	300
2	400	0	400	300
3	803	0	803	300
4	1206	0	1206	300
5	1609	0	1609	300
6	2012	0	2012	300
7	2415	0	2415	300
8	0	1403	2440	1403
9	600	303	600	1403
10	1203	303	1203	1403
11	1806	303	1806	1403
12	2409	303	2409	1403
13	0	1806	2440	1806
14	1100	1406	1100	1806
15	2203	1406	2203	1806
16	2406	1406	2406	1806

shelf-shelf-T_Bot 1100 x 400		shelf-shelf-T_Bot 1100 x 400		shelf-shelf-DDside 200 x 400	
shelf-shelf-T_Bot 1100 x 400		shelf-shelf-T_Bot 1100 x 400		shelf-shelf-DDside 200 x 400	
shelf-shelf-Sides* 600 x 400	shelf-shelf-Sides* 600 x 400	shelf-shelf-Sides* 600 x 400	shelf-shelf-Sides* 600 x 400		
shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600

**Layout 8 of 9(Stock:stk2 Dim:2440 x 1830 Qty:42 Material:mdf Thk:10)**

**Bill Of Materials:**

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
shelf-shelf-T_Bot	1100	400	4	1.76	168*	332/500	Top and Bottom Cover shelf
shelf-shelf-Sides	400	600	10	2.4	420	156/3000	Sides-2 and partition-2 part Big doors[ shelf-

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
							BD-2] [shelf- Sides- 4]
shelf-shelf-DDsides	400	200	2	0.16	84	1704/300 0	Drove r sides
Total			16	4.32	672		

### Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	0	600	2440	600
2	400	0	400	600
3	803	0	803	600
4	1206	0	1206	600
5	1609	0	1609	600
6	2012	0	2012	600
7	2415	0	2415	600
8	0	1003	2440	1003
9	600	603	600	1003
10	1203	603	1203	1003
11	1806	603	1806	1003
12	2409	603	2409	1003
13	0	1406	2440	1406
14	1100	1006	1100	1406
15	2203	1006	2203	1406
16	2406	1006	2406	1406
17	0	1809	2440	1809
18	1100	1409	1100	1809
19	2203	1409	2203	1809
20	2406	1409	2406	1809

shelf-shelf-DDside	shelf-shelf-DDside	shelf-shelf-DDside	shelf-shelf-DDside	shelf-shelf-DDside	shelf-shelf-DDsides
400 x 200	400 x 200	400 x 200	400 x 200	400 x 200	400 x 200
shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600
shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600	shelf-shelf-Sides 400 x 600
shelf-shelf-DBot 300 x 400	shelf-shelf-DBot 300 x 400	shelf-shelf-DBot 300 x 400	shelf-shelf-DBot 300 x 400	shelf-shelf-DBot 300 x 400	shelf-shelf-DBot 300 x 400

**Layout 9 of 9(Stock:stk2 Dim:2440 x 1830 Qty:202 Material:mdf Thk:10)**

**Bill Of Materials:**

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
shelf-shelf-Sides	400	600	12	2.88	2424*	576/3000	Sides-2 and partion-2 part Big doors[shelf-BD-2][shelf-Sides-4]
shelf-shelf-DDsides	400	200	6	0.48	1212*	1788/3000	Drove r sides

Name	Length	Width	Qty	Area	Total Qty.	Prod./Re qd.	Remarks
shelf-shelf-DBot	300	400	8	0.96	1616*	884/2500	Drow er Botto m Drow er Botto m[shel f-DP-2] [shelf-DBot-3]
Total			26	4.32	5252		

### Cutting Instructions:

CutIndex	StartPt X	StartPt Y	EndPt X	EndPt Y
1	0	400	2440	400
2	300	0	300	400
3	603	0	603	400
4	906	0	906	400
5	1209	0	1209	400
6	1512	0	1512	400
7	1815	0	1815	400
8	2118	0	2118	400
9	2421	0	2421	400
10	0	1003	2440	1003
11	400	403	400	1003
12	803	403	803	1003
13	1206	403	1206	1003
14	1609	403	1609	1003
15	2012	403	2012	1003
16	2415	403	2415	1003
17	0	1606	2440	1606
18	400	1006	400	1606
19	803	1006	803	1606
20	1206	1006	1206	1606
21	1609	1006	1609	1606
22	2012	1006	2012	1606
23	2415	1006	2415	1606
24	0	1809	2440	1809
25	400	1609	400	1809
26	803	1609	803	1809
27	1206	1609	1206	1809
28	1609	1609	1609	1809
29	2012	1609	2012	1809
30	2415	1609	2415	1809

