



## Nirvana Technologies Pvt. Ltd.

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### PLUS 2D Nesting Software Optimization Report

#### General Details:

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

**Stock Details:**

| <b>Id</b> | <b>Length</b> | <b>Width</b> | <b>Cost</b> | <b>Qty</b> | <b>Remarks</b> |
|-----------|---------------|--------------|-------------|------------|----------------|
| s1        | 2440          | 1830         | 5804.76     | 1000       |                |
| s2        | 2440          | 1220         | 3869.84     | 1000       |                |

**Part Details:**

| <b>Name</b> | <b>Fin. Length</b> | <b>Fin. Width</b> | <b>Rotn</b> | <b>Qty</b> | <b>Type</b> | <b>Remarks</b> |
|-------------|--------------------|-------------------|-------------|------------|-------------|----------------|
| 1           | 300                | 1300              | 1           | 30         | Rect        |                |
| 2           | 300                | 615               | 1           | 995        | Rect        |                |
| 5           | 200                | 460               | 1           | 36         | Rect        |                |
| 6           | 615                | 650               | 1           | 23         | Rect        |                |
| 7           | 629                | 715               | 1           | 15         | Rect        |                |

**Summary of Optimization Results:**

| <b>Summary of Optimization Results:</b> |         |
|---|---------|
| Grinding Margin                         | 0       |
| Saw Width                               | 0       |
| Number of Layouts                       | 7       |
| Number of Stock Used                    | 53      |
| Total Utilization                       | 97.79 % |
| Total Parts Required                    | 1099    |
| Total Parts Nested                      | 1099    |
| Reusable Offcuts                        | 84      |
| Total Stock Area                        | 235.17  |
| Total Part Area                         | 214.53  |
| Offcut Area                             | 15.44   |
| Scrap Area                              | 5.19    |
| Total Stock Weight                      | 3057.17 |
| Total Part Weight                       | 2788.89 |
| Total Offcut Weight                     | 200.75  |
| Total Scrap Weight                      | 67.53   |
| ScrapWt/PartWt                          | 2.42 %  |

### Summary of Layouts:

| No | Name | Qty | Util% | Cost      | Parts | Offcut Qty - Size |
|----|------|-----|-------|-----------|-------|-------------------|
| 1  | s1   | 1   | 97.04 | 5804.76   | 21    | 0                 |
| 2  | s1   | 2   | 96.86 | 11609.52  | 44    | 0                 |
| 3  | s1   | 5   | 95.69 | 29023.80  | 75    | 0                 |
| 4  | s1   | 2   | 93.63 | 11609.52  | 34    | 0                 |
| 5  | s1   | 41  | 98.36 | 237995.16 | 902   | 2                 |
| 6  | s2   | 1   | 97.45 | 3869.84   | 15    | 0                 |
| 7  | s1   | 1   | 96.07 | 5804.76   | 8     | 2,[896X1830]      |

**Parts Summary Table:**

| No | Name | Size (L x W) | Nested<br>(Required) | Area   | Weight  | Remarks |
|----|------|--------------|----------------------|--------|---------|---------|
| 1  | 1    | 300 x 1300   | 30 (30)              | 11.7   | 456.3   |         |
| 2  | 2    | 300 x 615    | 995 (995)            | 183.58 | 7159.52 |         |
| 3  | 5    | 200 x 460    | 36 (36)              | 3.31   | 129.17  |         |
| 4  | 6    | 615 x 650    | 23 (23)              | 9.19   | 358.58  |         |
| 5  | 7    | 629 x 715    | 15 (15)              | 6.75   | 263.09  |         |
|    |      | Total        | 1099 (1099)          | 214.53 | 8366.66 |         |

**Stocks used details:**

| No | Name  | Length | Width | Avail Qty | Utl Qty | Area   |
|----|-------|--------|-------|-----------|---------|--------|
| 1  | s1    | 2440   | 1830  | 1000      | 52      | 232.19 |
| 2  | s2    | 2440   | 1220  | 1000      | 1       | 2.98   |
|    | Total |        |       |           | 53      | 235.17 |

**Offcut Details :**

| Id      | Length | Width | Cost    | Qty | Area  |
|---------|--------|-------|---------|-----|-------|
| Off_5_3 | 555    | 300   | 216.45  | 41  | 6.83  |
| Off_5_4 | 555    | 300   | 216.45  | 41  | 6.83  |
| Off_7_2 | 896    | 1830  | 2131.58 | 1   | 1.64  |
| Off_7_3 | 300    | 500   | 195     | 1   | 0.15  |
| Total   |        |       |         | 84  | 15.44 |

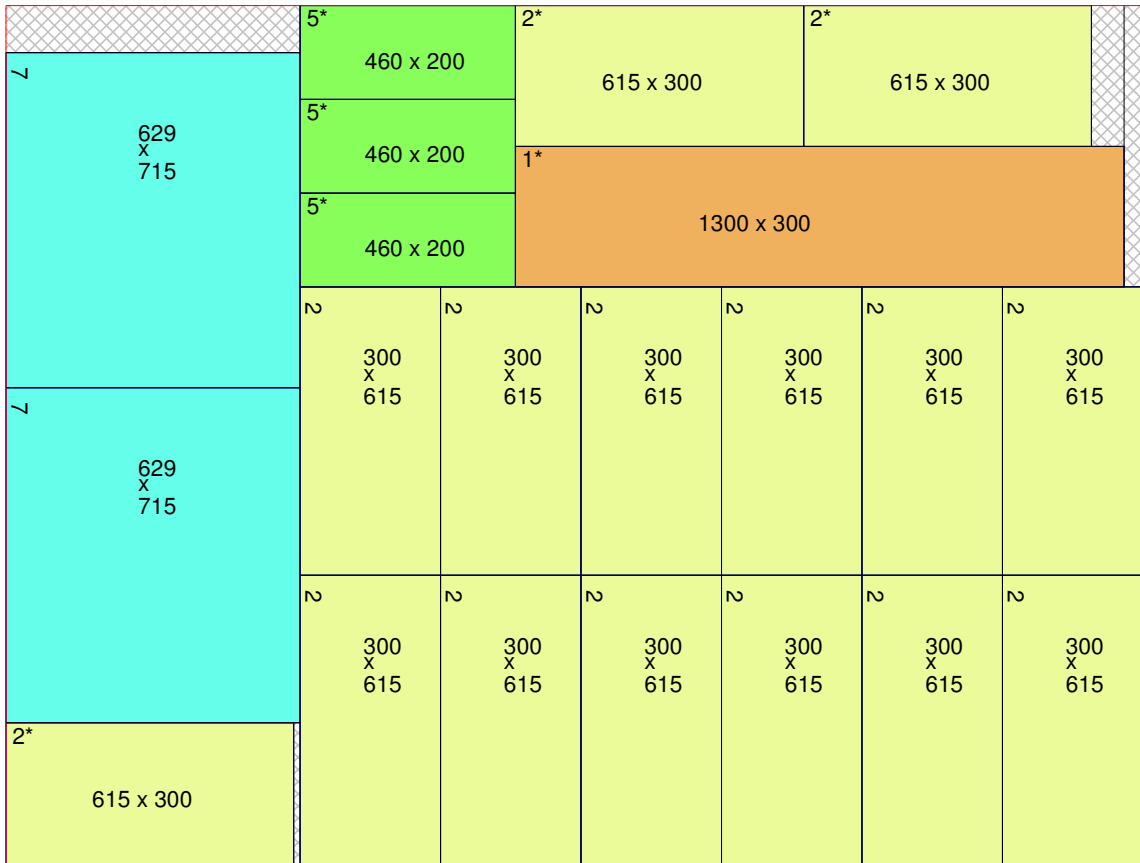
**Parts Cut List:**

| <b>Name</b> | <b>Length</b> | <b>Width</b> | <b>Qty</b> | <b>Remarks Layout-Qty</b>          |
|-------------|---------------|--------------|------------|------------------------------------|
| 1           | 300           | 1300         | 30         | 7-1/6-2/4-4/3-20/2-2/1-1           |
| 2           | 300           | 615          | 995        | 7-2/6-10/5-902/4-16/3-20/2-30/1-15 |
| 5           | 200           | 460          | 36         | 7-1/6-3/4-6/3-15/2-8/1-3           |
| 6           | 615           | 650          | 23         | 7-3/4-6/3-10/2-4                   |
| 7           | 629           | 715          | 15         | 7-1/4-2/3-10/1-2                   |

**Detailed table about Stocks & Parts:**

| No | Stk Length | Stk Width | Stk Area | Prt Length | Prt Width | Qty | Part Area | Name |
|----|------------|-----------|----------|------------|-----------|-----|-----------|------|
| 1  | 2440       | 1830      | 4.47     |            |           |     |           |      |
|    |            |           |          | 300        | 1300      | 1   | 0.39      | 1    |
|    |            |           |          | 300        | 615       | 15  | 2.77      | 2    |
|    |            |           |          | 200        | 460       | 3   | 0.28      | 5    |
|    |            |           |          | 629        | 715       | 2   | 0.9       | 7    |
|    |            |           | 97.04 %  |            |           |     | 4.33      |      |
| 2  | 2440       | 1830      | 4.47     |            |           |     |           |      |
|    |            |           |          | 300        | 1300      | 1   | 0.39      | 1    |
|    |            |           |          | 300        | 615       | 15  | 2.77      | 2    |
|    |            |           |          | 200        | 460       | 4   | 0.37      | 5    |
|    |            |           |          | 615        | 650       | 2   | 0.8       | 6    |
|    |            |           | 96.86 %  |            |           |     | 4.33      |      |
| 3  | 2440       | 1830      | 4.47     |            |           |     |           |      |
|    |            |           |          | 300        | 1300      | 4   | 1.56      | 1    |
|    |            |           |          | 300        | 615       | 4   | 0.74      | 2    |
|    |            |           |          | 200        | 460       | 3   | 0.28      | 5    |
|    |            |           |          | 615        | 650       | 2   | 0.8       | 6    |
|    |            |           |          | 629        | 715       | 2   | 0.9       | 7    |
|    |            |           | 95.69 %  |            |           |     | 4.27      |      |
| 4  | 2440       | 1830      | 4.47     |            |           |     |           |      |
|    |            |           |          | 300        | 1300      | 2   | 0.78      | 1    |
|    |            |           |          | 300        | 615       | 8   | 1.48      | 2    |
|    |            |           |          | 200        | 460       | 3   | 0.28      | 5    |
|    |            |           |          | 615        | 650       | 3   | 1.2       | 6    |
|    |            |           |          | 629        | 715       | 1   | 0.45      | 7    |
|    |            |           | 93.63 %  |            |           |     | 4.18      |      |
| 5  | 2440       | 1830      | 4.47     |            |           |     |           |      |
|    |            |           |          | 300        | 615       | 22  | 4.06      | 2    |
|    |            |           | 98.36 %  |            |           |     | 4.06      |      |
| 6  | 2440       | 1220      | 2.98     |            |           |     |           |      |
|    |            |           |          | 300        | 1300      | 2   | 0.78      | 1    |
|    |            |           |          | 300        | 615       | 10  | 1.85      | 2    |
|    |            |           |          | 200        | 460       | 3   | 0.28      | 5    |
|    |            |           | 97.45 %  |            |           |     | 2.9       |      |
| 7  | 2440       | 1830      | 4.47     |            |           |     |           |      |
|    |            |           |          | 300        | 1300      | 1   | 0.39      | 1    |
|    |            |           |          | 300        | 615       | 2   | 0.37      | 2    |
|    |            |           |          | 200        | 460       | 1   | 0.09      | 5    |
|    |            |           |          | 615        | 650       | 3   | 1.2       | 6    |
|    |            |           |          | 629        | 715       | 1   | 0.45      | 7    |
|    |            |           | 96.07 %  |            |           |     | 2.5       |      |

**Details of each Layout:**



**Layout 1 of 7(Stock:s1 Dim:2440 x 1830 Qty:1)**

**Bill Of Materials:**

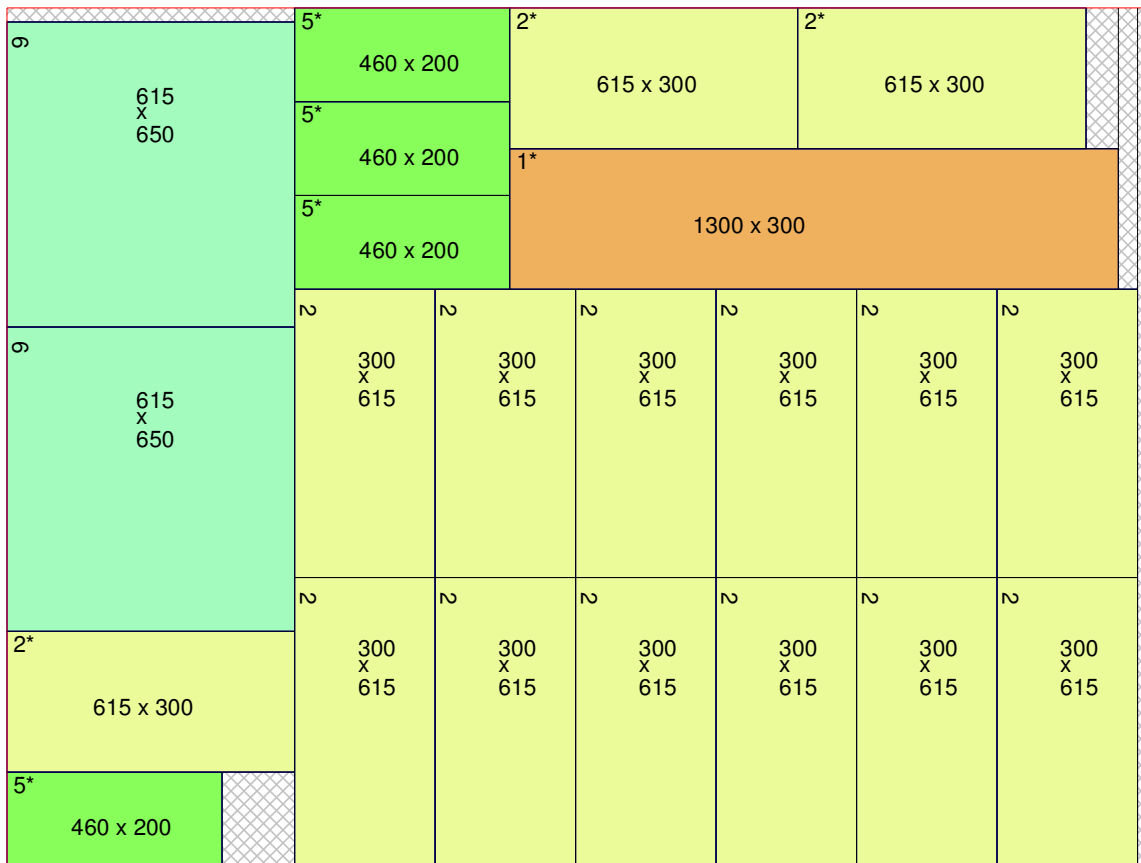
| Name  | Length | Width | Qty | Area | Total Qty. | Prod./Re qd. | Remarks |
|-------|--------|-------|-----|------|------------|--------------|---------|
| 1     | 300    | 1300  | 1   | 0.39 | 1          | 0/30         |         |
| 2     | 300    | 615   | 15  | 2.77 | 15         | 0/995        |         |
| 5     | 200    | 460   | 3   | 0.28 | 3          | 0/36         |         |
| 7     | 629    | 715   | 2   | 0.9  | 2          | 0/15         |         |
| Total |        |       | 21  | 4.33 | 21         |              |         |

**Cutting Instructions:**

| CutIndex | StartPt X | StartPt Y | EndPt X | EndPt Y |
|----------|-----------|-----------|---------|---------|
| 1        | 629       | 0         | 629     | 1830    |
| 2        | 0         | 300       | 629     | 300     |
| 3        | 615       | 0         | 615     | 300     |



| CutIndex | StartPt X | StartPt Y | EndPt X | EndPt Y |
|----------|-----------|-----------|---------|---------|
| 4        | 0         | 1015      | 629     | 1015    |
| 5        | 0         | 1730      | 629     | 1730    |
| 6        | 2429      | 0         | 2429    | 1830    |
| 7        | 629       | 615       | 2429    | 615     |
| 8        | 929       | 0         | 929     | 615     |
| 9        | 1229      | 0         | 1229    | 615     |
| 10       | 1529      | 0         | 1529    | 615     |
| 11       | 1829      | 0         | 1829    | 615     |
| 12       | 2129      | 0         | 2129    | 615     |
| 13       | 629       | 1230      | 2429    | 1230    |
| 14       | 929       | 615       | 929     | 1230    |
| 15       | 1229      | 615       | 1229    | 1230    |
| 16       | 1529      | 615       | 1529    | 1230    |
| 17       | 1829      | 615       | 1829    | 1230    |
| 18       | 2129      | 615       | 2129    | 1230    |
| 19       | 1089      | 1230      | 1089    | 1830    |
| 20       | 629       | 1430      | 1089    | 1430    |
| 21       | 629       | 1630      | 1089    | 1630    |
| 22       | 2389      | 1230      | 2389    | 1830    |
| 23       | 1089      | 1530      | 2389    | 1530    |
| 24       | 1704      | 1530      | 1704    | 1830    |
| 25       | 2319      | 1530      | 2319    | 1830    |



**Layout 2 of 7(Stock:s1 Dim:2440 x 1830 Qty:2)**

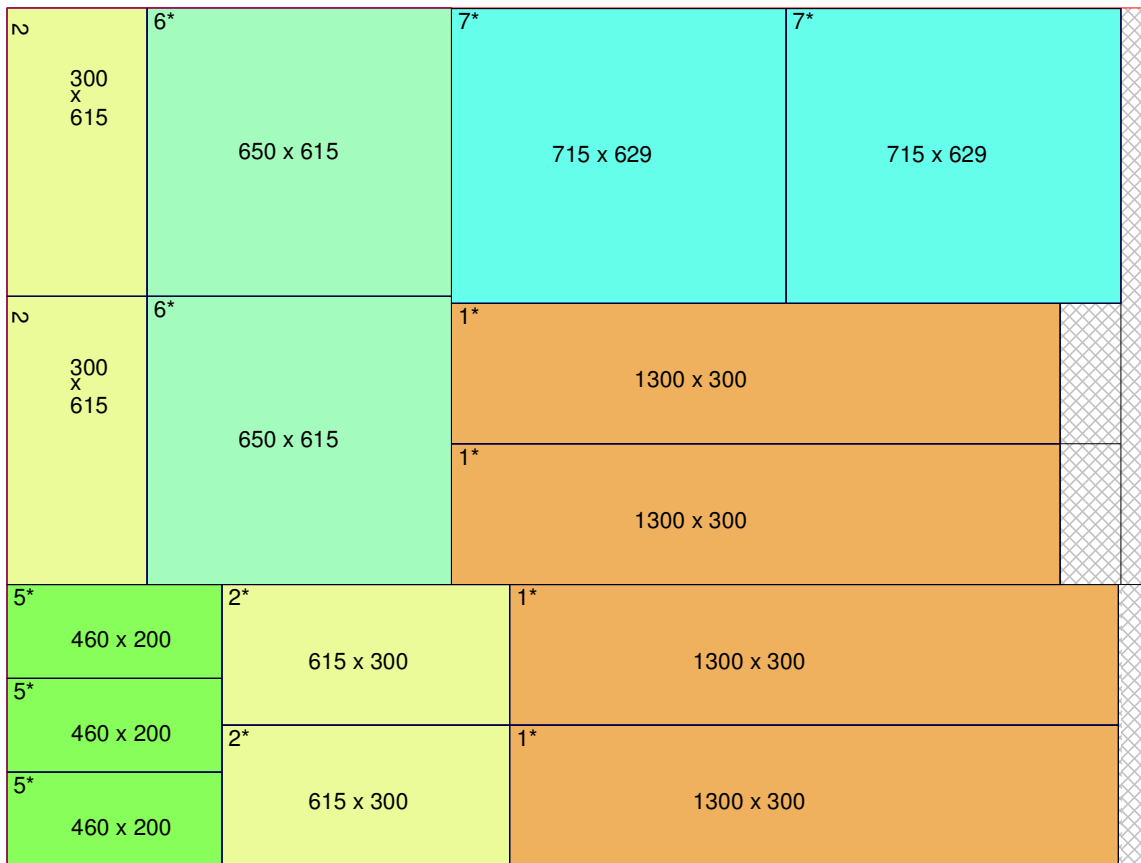
**Bill Of Materials:**

| Name  | Length | Width | Qty | Area | Total Qty. | Prod./Re qd. | Remarks |
|-------|--------|-------|-----|------|------------|--------------|---------|
| 1     | 300    | 1300  | 1   | 0.39 | 2          | 1/30         |         |
| 2     | 300    | 615   | 15  | 2.77 | 30         | 15/995       |         |
| 5     | 200    | 460   | 4   | 0.37 | 8          | 3/36         |         |
| 6     | 615    | 650   | 2   | 0.8  | 4          | 0/23         |         |
| Total |        |       | 22  | 4.33 | 44         |              |         |

**Cutting Instructions:**

| CutIndex | StartPt X | StartPt Y | EndPt X | EndPt Y |
|----------|-----------|-----------|---------|---------|
| 1        | 615       | 0         | 615     | 1830    |
| 2        | 0         | 200       | 615     | 200     |
| 3        | 460       | 0         | 460     | 200     |
| 4        | 0         | 500       | 615     | 500     |
| 5        | 0         | 1150      | 615     | 1150    |

| <b>CutIndex</b> | <b>StartPt X</b> | <b>StartPt Y</b> | <b>EndPt X</b> | <b>EndPt Y</b> |
|-----------------|------------------|------------------|----------------|----------------|
| 6               | 0                | 1800             | 615            | 1800           |
| 7               | 2415             | 0                | 2415           | 1830           |
| 8               | 615              | 615              | 2415           | 615            |
| 9               | 915              | 0                | 915            | 615            |
| 10              | 1215             | 0                | 1215           | 615            |
| 11              | 1515             | 0                | 1515           | 615            |
| 12              | 1815             | 0                | 1815           | 615            |
| 13              | 2115             | 0                | 2115           | 615            |
| 14              | 615              | 1230             | 2415           | 1230           |
| 15              | 915              | 615              | 915            | 1230           |
| 16              | 1215             | 615              | 1215           | 1230           |
| 17              | 1515             | 615              | 1515           | 1230           |
| 18              | 1815             | 615              | 1815           | 1230           |
| 19              | 2115             | 615              | 2115           | 1230           |
| 20              | 1075             | 1230             | 1075           | 1830           |
| 21              | 615              | 1430             | 1075           | 1430           |
| 22              | 615              | 1630             | 1075           | 1630           |
| 23              | 2375             | 1230             | 2375           | 1830           |
| 24              | 1075             | 1530             | 2375           | 1530           |
| 25              | 1690             | 1530             | 1690           | 1830           |
| 26              | 2305             | 1530             | 2305           | 1830           |



**Layout 3 of 7(Stock:s1 Dim:2440 x 1830 Qty:5)**

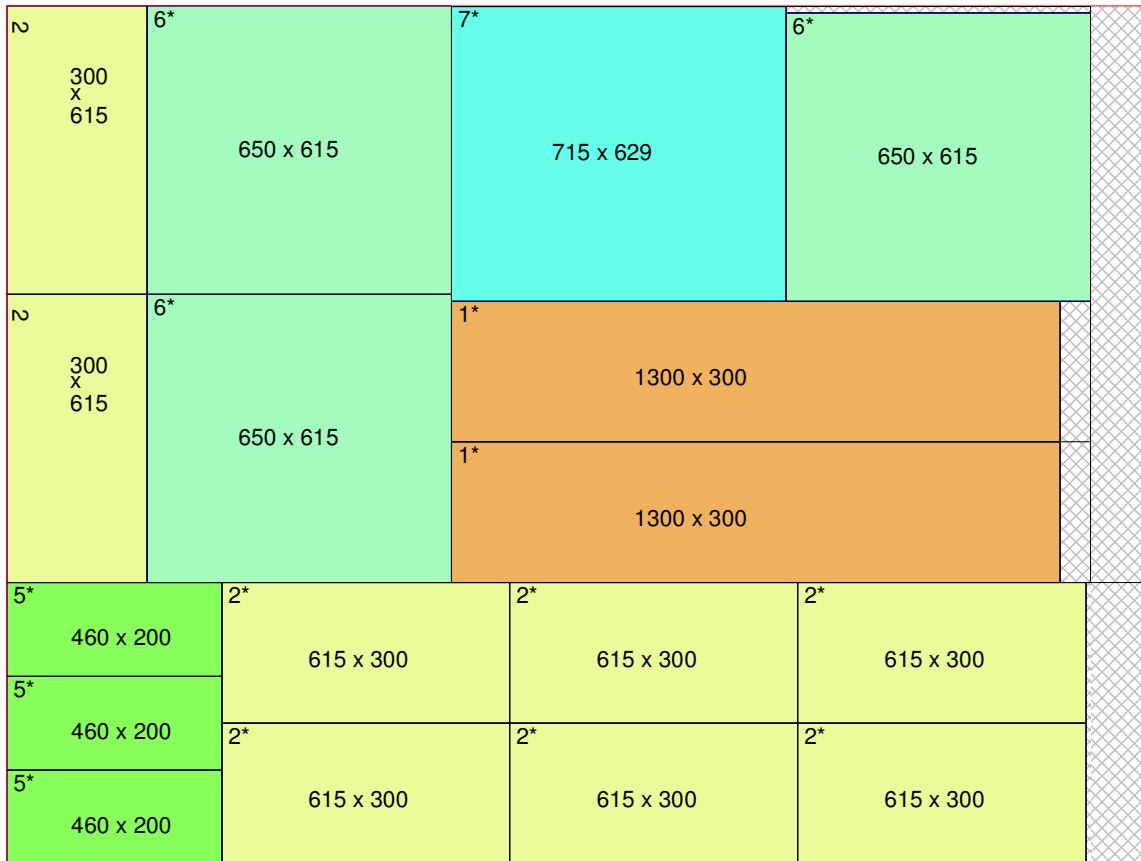
**Bill Of Materials:**

| Name  | Length | Width | Qty | Area | Total Qty. | Prod./Re qd. | Remarks |
|-------|--------|-------|-----|------|------------|--------------|---------|
| 1     | 300    | 1300  | 4   | 1.56 | 20         | 3/30         |         |
| 2     | 300    | 615   | 4   | 0.74 | 20         | 45/995       |         |
| 5     | 200    | 460   | 3   | 0.28 | 15         | 11/36        |         |
| 6     | 615    | 650   | 2   | 0.8  | 10         | 4/23         |         |
| 7     | 629    | 715   | 2   | 0.9  | 10         | 2/15         |         |
| Total |        |       | 15  | 4.27 | 75         |              |         |

**Cutting Instructions:**

| CutIndex | StartPt X | StartPt Y | EndPt X | EndPt Y |
|----------|-----------|-----------|---------|---------|
| 1        | 0         | 600       | 2440    | 600     |
| 2        | 460       | 0         | 460     | 600     |
| 3        | 0         | 200       | 460     | 200     |
| 4        | 0         | 400       | 460     | 400     |

| <b>CutIndex</b> | <b>StartPt X</b> | <b>StartPt Y</b> | <b>EndPt X</b> | <b>EndPt Y</b> |
|-----------------|------------------|------------------|----------------|----------------|
| 5               | 1075             | 0                | 1075           | 600            |
| 6               | 460              | 300              | 1075           | 300            |
| 7               | 2375             | 0                | 2375           | 600            |
| 8               | 1075             | 300              | 2375           | 300            |
| 9               | 300              | 600              | 300            | 1830           |
| 10              | 0                | 1215             | 300            | 1215           |
| 11              | 950              | 600              | 950            | 1830           |
| 12              | 300              | 1215             | 950            | 1215           |
| 13              | 2380             | 600              | 2380           | 1830           |
| 14              | 950              | 900              | 2380           | 900            |
| 15              | 2250             | 600              | 2250           | 900            |
| 16              | 950              | 1200             | 2380           | 1200           |
| 17              | 2250             | 900              | 2250           | 1200           |
| 18              | 950              | 1829             | 2380           | 1829           |
| 19              | 1665             | 1200             | 1665           | 1829           |



**Layout 4 of 7(Stock:s1 Dim:2440 x 1830 Qty:2)**

**Bill Of Materials:**

| Name  | Length | Width | Qty | Area | Total Qty. | Prod./Re qd. | Remarks |
|-------|--------|-------|-----|------|------------|--------------|---------|
| 1     | 300    | 1300  | 2   | 0.78 | 4          | 23/30        |         |
| 2     | 300    | 615   | 8   | 1.48 | 16         | 65/995       |         |
| 5     | 200    | 460   | 3   | 0.28 | 6          | 26/36        |         |
| 6     | 615    | 650   | 3   | 1.2  | 6          | 14/23        |         |
| 7     | 629    | 715   | 1   | 0.45 | 2          | 12/15        |         |
| Total |        |       | 17  | 4.18 | 34         |              |         |

**Cutting Instructions:**

| CutIndex | StartPt X | StartPt Y | EndPt X | EndPt Y |
|----------|-----------|-----------|---------|---------|
| 1        | 0         | 600       | 2440    | 600     |
| 2        | 460       | 0         | 460     | 600     |
| 3        | 0         | 200       | 460     | 200     |
| 4        | 0         | 400       | 460     | 400     |

| <b>CutIndex</b> | <b>StartPt X</b> | <b>StartPt Y</b> | <b>EndPt X</b> | <b>EndPt Y</b> |
|-----------------|------------------|------------------|----------------|----------------|
| 5               | 1075             | 0                | 1075           | 600            |
| 6               | 460              | 300              | 1075           | 300            |
| 7               | 1690             | 0                | 1690           | 600            |
| 8               | 1075             | 300              | 1690           | 300            |
| 9               | 2305             | 0                | 2305           | 600            |
| 10              | 1690             | 300              | 2305           | 300            |
| 11              | 300              | 600              | 300            | 1830           |
| 12              | 0                | 1215             | 300            | 1215           |
| 13              | 950              | 600              | 950            | 1830           |
| 14              | 300              | 1215             | 950            | 1215           |
| 15              | 2315             | 600              | 2315           | 1830           |
| 16              | 950              | 900              | 2315           | 900            |
| 17              | 2250             | 600              | 2250           | 900            |
| 18              | 950              | 1200             | 2315           | 1200           |
| 19              | 2250             | 900              | 2250           | 1200           |
| 20              | 950              | 1829             | 2315           | 1829           |
| 21              | 1665             | 1200             | 1665           | 1829           |
| 22              | 1665             | 1815             | 2315           | 1815           |

|                 |                 |                 |                 |                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 300<br>x<br>615 | 300<br>x<br>615 | 300<br>x<br>615 | 300<br>x<br>615 | 300<br>x<br>615 | 300<br>x<br>615 | 300<br>x<br>615 | 300<br>x<br>615 |
| 300<br>x<br>615 | 300<br>x<br>615 | 300<br>x<br>615 | 300<br>x<br>615 | 300<br>x<br>615 | 300<br>x<br>615 | 300<br>x<br>615 | 300<br>x<br>615 |
| 2*<br>615 x 300 |                 | 2*<br>615 x 300 |                 | 2*<br>615 x 300 |                 | 555 x 300       |                 |
| 2*<br>615 x 300 |                 | 2*<br>615 x 300 |                 | 2*<br>615 x 300 |                 | 555 x 300       |                 |

**Layout 5 of 7(Stock:s1 Dim:2440 x 1830 Qty:41)**

**Bill Of Materials:**

| Name    | Length | Width | Qty | Area  | Total Qty. | Prod./Re qd. | Remarks |
|---------|--------|-------|-----|-------|------------|--------------|---------|
| 2       | 300    | 615   | 22  | 4.06  | 902        | 81/995       |         |
| Total   |        |       | 22  | 4.06  | 902        |              |         |
| Offcuts |        |       |     |       |            |              |         |
| Off_5_3 | 555    | 300   | 1   | 6.83  | 41         |              |         |
| Off_5_4 | 555    | 300   | 1   | 6.83  | 41         |              |         |
| Total   |        |       | 2   | 13.65 | 82         |              |         |

**Cutting Instructions:**

| CutIndex | StartPt X | StartPt Y | EndPt X | EndPt Y |
|----------|-----------|-----------|---------|---------|
| 1        | 0         | 300       | 2440    | 300     |
| 2        | 615       | 0         | 615     | 300     |
| 3        | 1230      | 0         | 1230    | 300     |
| 4        | 1845      | 0         | 1845    | 300     |



| CutIndex | StartPt X | StartPt Y | EndPt X | EndPt Y |
|----------|-----------|-----------|---------|---------|
| 5        | 0         | 600       | 2440    | 600     |
| 6        | 615       | 300       | 615     | 600     |
| 7        | 1230      | 300       | 1230    | 600     |
| 8        | 1845      | 300       | 1845    | 600     |
| 9        | 0         | 1215      | 2440    | 1215    |
| 10       | 300       | 600       | 300     | 1215    |
| 11       | 600       | 600       | 600     | 1215    |
| 12       | 900       | 600       | 900     | 1215    |
| 13       | 1200      | 600       | 1200    | 1215    |
| 14       | 1500      | 600       | 1500    | 1215    |
| 15       | 1800      | 600       | 1800    | 1215    |
| 16       | 2100      | 600       | 2100    | 1215    |
| 17       | 2400      | 600       | 2400    | 1215    |
| 18       | 300       | 1215      | 300     | 1830    |
| 19       | 600       | 1215      | 600     | 1830    |
| 20       | 900       | 1215      | 900     | 1830    |
| 21       | 1200      | 1215      | 1200    | 1830    |
| 22       | 1500      | 1215      | 1500    | 1830    |
| 23       | 1800      | 1215      | 1800    | 1830    |
| 24       | 2100      | 1215      | 2100    | 1830    |
| 25       | 2400      | 1215      | 2400    | 1830    |

|                      |                      |                      |                      |                      |                      |                      |                      |  |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--|
| 5*<br>460 x 200      |                      | 2*<br>615 x 300      |                      | 1*<br>1300 x 300     |                      |                      |                      |  |
| 5*<br>460 x 200      |                      | 2*<br>615 x 300      |                      | 1*<br>1300 x 300     |                      |                      |                      |  |
| 5*<br>460 x 200      |                      | 2*<br>615 x 300      |                      | 1*<br>1300 x 300     |                      |                      |                      |  |
| ∞<br>300<br>x<br>615 | ∞<br>300<br>x<br>615 | ∞<br>300<br>x<br>615 | ∞<br>300<br>x<br>615 | ∞<br>300<br>x<br>615 | ∞<br>300<br>x<br>615 | ∞<br>300<br>x<br>615 | ∞<br>300<br>x<br>615 |  |
|                      |                      |                      |                      |                      |                      |                      |                      |  |
|                      |                      |                      |                      |                      |                      |                      |                      |  |

**Layout 6 of 7(Stock:s2 Dim:2440 x 1220 Qty:1)**

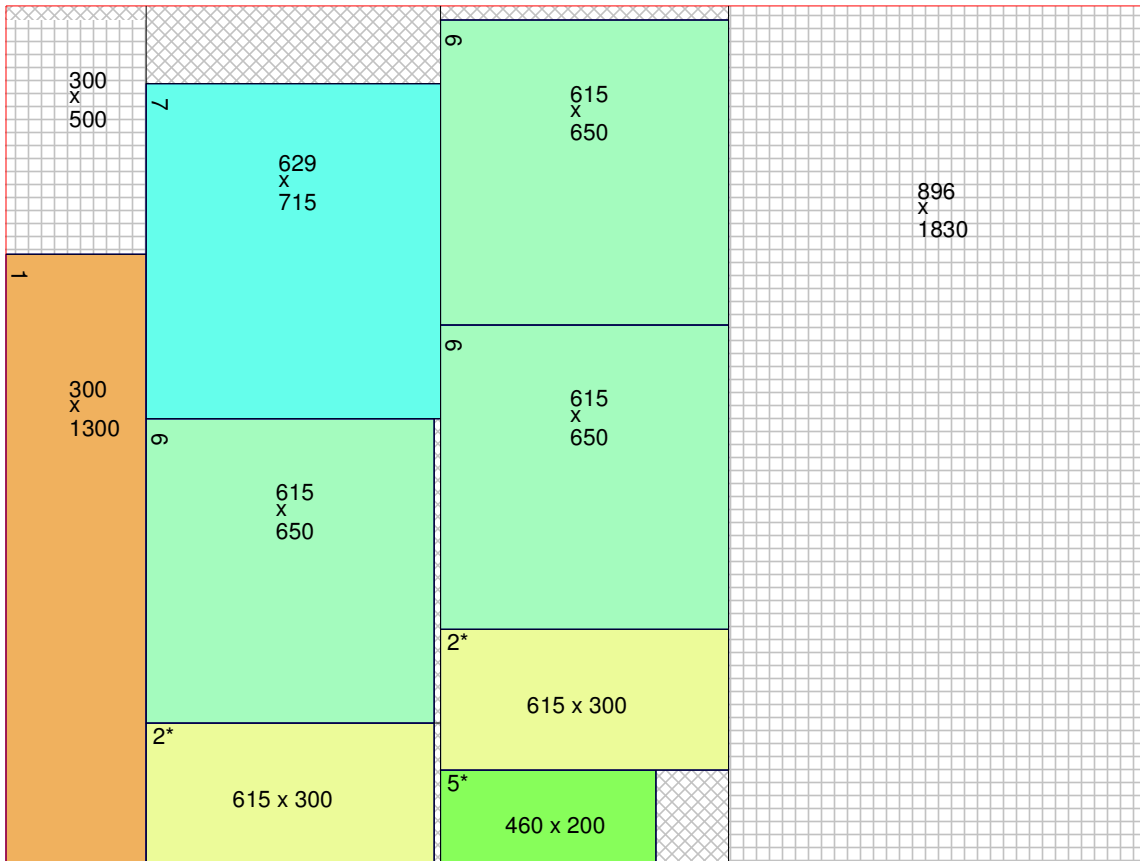
**Bill Of Materials:**

| Name  | Length | Width | Qty | Area | Total Qty. | Prod./Re qd. | Remarks |
|-------|--------|-------|-----|------|------------|--------------|---------|
| 1     | 300    | 1300  | 2   | 0.78 | 2          | 27/30        |         |
| 2     | 300    | 615   | 10  | 1.85 | 10         | 983/995      |         |
| 5     | 200    | 460   | 3   | 0.28 | 3          | 32/36        |         |
| Total |        |       | 15  | 2.9  | 15         |              |         |

**Cutting Instructions:**

| CutIndex | StartPt X | StartPt Y | EndPt X | EndPt Y |
|----------|-----------|-----------|---------|---------|
| 1        | 0         | 615       | 2440    | 615     |
| 2        | 300       | 0         | 300     | 615     |
| 3        | 600       | 0         | 600     | 615     |
| 4        | 900       | 0         | 900     | 615     |
| 5        | 1200      | 0         | 1200    | 615     |
| 6        | 1500      | 0         | 1500    | 615     |
| 7        | 1800      | 0         | 1800    | 615     |
| 8        | 2100      | 0         | 2100    | 615     |
| 9        | 2400      | 0         | 2400    | 615     |
| 10       | 0         | 1215      | 2440    | 1215    |
| 11       | 460       | 615       | 460     | 1215    |
| 12       | 0         | 815       | 460     | 815     |
| 13       | 0         | 1015      | 460     | 1015    |
| 14       | 1075      | 615       | 1075    | 1215    |
| 15       | 460       | 915       | 1075    | 915     |

| <b>CutIndex</b> | <b>StartPt X</b> | <b>StartPt Y</b> | <b>EndPt X</b> | <b>EndPt Y</b> |
|-----------------|------------------|------------------|----------------|----------------|
| 16              | 2375             | 615              | 2375           | 1215           |
| 17              | 1075             | 915              | 2375           | 915            |



**Layout 7 of 7(Stock:s1 Dim:2440 x 1830 Qty:1)**

**Bill Of Materials:**

| Name    | Length | Width | Qty | Area | Total Qty. | Prod./Re qd. | Remarks |
|---------|--------|-------|-----|------|------------|--------------|---------|
| 1       | 300    | 1300  | 1   | 0.39 | 1*         | 29/30        |         |
| 2       | 300    | 615   | 2   | 0.37 | 2*         | 993/995      |         |
| 5       | 200    | 460   | 1   | 0.09 | 1*         | 35/36        |         |
| 6       | 615    | 650   | 3   | 1.2  | 3*         | 20/23        |         |
| 7       | 629    | 715   | 1   | 0.45 | 1*         | 14/15        |         |
| Total   |        |       | 8   | 2.5  | 8          |              |         |
| Offcuts |        |       |     |      |            |              |         |
| Off_7_2 | 896    | 1830  | 1   | 1.64 | 1          |              |         |
| Off_7_3 | 300    | 500   | 1   | 0.15 | 1          |              |         |
| Total   |        |       | 2   | 1.79 | 2          |              |         |

**Cutting Instructions:**

| CutIndex | StartPt X | StartPt Y | EndPt X | EndPt Y |
|----------|-----------|-----------|---------|---------|
|----------|-----------|-----------|---------|---------|

| <b>CutIndex</b> | <b>StartPt X</b> | <b>StartPt Y</b> | <b>EndPt X</b> | <b>EndPt Y</b> |
|-----------------|------------------|------------------|----------------|----------------|
| 1               | 300              | 0                | 300            | 1830           |
| 2               | 0                | 1300             | 300            | 1300           |
| 3               | 929              | 0                | 929            | 1830           |
| 4               | 300              | 300              | 929            | 300            |
| 5               | 915              | 0                | 915            | 300            |
| 6               | 300              | 950              | 929            | 950            |
| 7               | 915              | 300              | 915            | 950            |
| 8               | 300              | 1665             | 929            | 1665           |
| 9               | 1544             | 0                | 1544           | 1830           |
| 10              | 929              | 200              | 1544           | 200            |
| 11              | 1389             | 0                | 1389           | 200            |
| 12              | 929              | 500              | 1544           | 500            |
| 13              | 929              | 1150             | 1544           | 1150           |
| 14              | 929              | 1800             | 1544           | 1800           |