1. Species - ponderosa, radiata, carribean, loblolly pines
2. Nail TD 3 X 0.120 Inches annular thread.
3. Nail BD 2.5 X 0.120 inches annular thread
4. Clinch nail 1.75 X 0.105 plain clinched or 1.5 inch screw

Notes:
- Out of Square deviation 1/4" (1/2" Difference in diagonals).
- Overall Length & Width deviation + or - 3/16".
- Overall pallet height deviation + or - 1/8".
- Pallets shall lie flat at all points within 1/2".

Lumber:
- Acceptable Lumber Species: 100% Ponderosa Pine
- Min Part Grade: Standard And Better
- Max Moisture Content: 19%

Nails: (45 Mat fastener, 87 nails)
- See notes below

* or equivalent

Dimensional Tolerance:
- Out of Square deviation 1/4"
- (1/2" Difference in diagonals).
- Overall Length & Width deviation + or - 3/16".
- Overall pallet height deviation + or - 1/8".
- Pallets shall lie flat at all points within 1/2".

Notes: (lengths in inches)
1. Species - ponderosa, radiata, carribean, loblolly pines
2. Nail TD 3 X 0.120 Inches annular thread.
3. Nail BD 2.5 X 0.120 inches annular thread
4. Clinch nail 1.75 X 0.105 plain clinched or 1.5 inch screw

Deckboards
<table>
<thead>
<tr>
<th>Item</th>
<th>Qty.</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>40.0L x 5.5W x 0.69T</td>
</tr>
<tr>
<td>2</td>
<td>7</td>
<td>40.0L x 3.5W x 0.69T</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>37.0L x 3.5W x 0.69T</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>5.5L x 40.0W x 0.69T</td>
</tr>
</tbody>
</table>

Stringer Boards
<table>
<thead>
<tr>
<th>Item</th>
<th>Qty.</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5</td>
<td>48.0L x 3.5W x 0.69T</td>
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</tbody>
</table>

Blocks
<table>
<thead>
<tr>
<th>&lt; W</th>
<th>Qty.</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>6</td>
<td>7.5L x 3.5W x 3.5H</td>
</tr>
<tr>
<td>6</td>
<td>3</td>
<td>5.5L x 3.5W x 3.5H</td>
</tr>
</tbody>
</table>
## Pallet Analysis

**Prepared By:** White and Company LLC  
**Analysis ID:** SA pine mango pallet V 2  
**Date:** Oct 12, 2017

**Pallet Information:**
- **Dimensions:** 48.0 in L x 40.0 in W, Weight - 47.8 lbs, HT for Export, Single-Use  
- **Description:** 4Way, DoubleFace, Non-reversible, Block pallet, Chamfered  
- **Lumber:** Ponderosa Pine

### Analysis Summary

- **Required Payload:** 2600 lbs  
- **Predicted Maximum Safe Load:** 2746 lbs  
- **Load Variability:** Low

### Analysis

<table>
<thead>
<tr>
<th>Storage and Handling Conditions</th>
<th>Predicted Maximum Safe Load (lbs)</th>
<th>Initial Average Deflection (in)</th>
<th>Critical Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forktine Parallel to Length</td>
<td>8221</td>
<td>0.3</td>
<td>Top Deckboard</td>
</tr>
<tr>
<td>Forktine Perpendicular to Length</td>
<td>2746</td>
<td>0.55</td>
<td>Top Stringer</td>
</tr>
<tr>
<td>Stacked 1 High</td>
<td>6757</td>
<td>0.14</td>
<td>Top Stringer</td>
</tr>
</tbody>
</table>

Forktine spacing = 14.25, length = 42.0, and width = 5.0

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**Disclaimer:** The performance estimates of Best Pallet represent the best available engineering information compiled to date. However, the quality of workmanship, the input data, and the conditions in which pallets are used may vary widely. Therefore, White & Company, LLC cannot accept responsibility for pallet performance or design as actually constructed. Performance estimates from Best Pallet should be verified by testing of prototypes prior to implementation.