### Support Condition

<table>
<thead>
<tr>
<th>Safe Maximum Load</th>
<th>Deflection at Maximum Load</th>
<th>User Specified Deflection Limit</th>
<th>Maximum Load for Deflection Limit</th>
<th>Critical Member</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stacked 1 Unit Load High</strong></td>
<td>5659 lbs.</td>
<td>0.19 in.</td>
<td>0.18 in.</td>
<td>4783 lbs.</td>
</tr>
<tr>
<td><strong>Stacked 3 Unit Loads High</strong></td>
<td>2902 lbs. (each pallet)</td>
<td>0.19 in.</td>
<td>0.18 in.</td>
<td>2453 lbs. (each pallet)</td>
</tr>
</tbody>
</table>

### Lateral Collapse Resistance

- Low
- Medium
- Good
- Excellent

| H/V = 1.29 |

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The recommendations from PDS are based on the NWPCA's continuing program of laboratory and field research. They 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, the Association cannot accept responsibility for pallet performance or design as actually constructed. Wood pallets bearing the NWPCA SPEQ trademark are manufactured to the Uniform Standard for Wood Pallets established by the Association which define the prescriptive and performance criteria. Wood pallets manufactured to this PDS design are for the sole purpose of storing and/or transporting material. Under no circumstance should any person stand, step, or lean upon them or otherwise use them for support.
### Average Pallet Weight

<table>
<thead>
<tr>
<th></th>
<th>At Manufacture</th>
<th>At 25% MC</th>
<th>At 19% MC</th>
<th>At 15% MC</th>
<th>At 12% MC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average</td>
<td>45 lbs.</td>
<td>33 lbs.</td>
<td>32 lbs.</td>
<td>31 lbs.</td>
<td>30 lbs.</td>
</tr>
</tbody>
</table>

### Dimensional Change due to Wood Drying

<table>
<thead>
<tr>
<th>Component</th>
<th>Original Dimension</th>
<th>Shrinkage from Manufacture to 19% MC</th>
<th>Shrinkage from Manufacture to 15% MC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top Deckboards</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thickness 0.625 in.</td>
<td>0.010 in. (+/- 0.003 in.)</td>
<td>0.015 in. (+/- 0.004 in.)</td>
<td></td>
</tr>
<tr>
<td>Width 5.500 in.</td>
<td>0.088 in. (+/- 0.025 in.)</td>
<td>0.128 in. (+/- 0.036 in.)</td>
<td></td>
</tr>
<tr>
<td>Width 3.500 in.</td>
<td>0.056 in. (+/- 0.016 in.)</td>
<td>0.081 in. (+/- 0.023 in.)</td>
<td></td>
</tr>
<tr>
<td>Stringers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height 3.500 in.</td>
<td>0.056 in. (+/- 0.016 in.)</td>
<td>0.081 in. (+/- 0.023 in.)</td>
<td></td>
</tr>
<tr>
<td>Width 1.500 in.</td>
<td>0.024 in. (+/- 0.007 in.)</td>
<td>0.035 in. (+/- 0.010 in.)</td>
<td></td>
</tr>
<tr>
<td>Bottom Deckboards</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thickness 0.625 in.</td>
<td>0.010 in. (+/- 0.003 in.)</td>
<td>0.015 in. (+/- 0.004 in.)</td>
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<td></td>
</tr>
</tbody>
</table>

### Reference Data

**Top Deckboard Locations (from Pallet End):**
- 0.00 8.75 15.50 22.25 29.00 35.75 42.50
- 48.00 39.25 32.50 25.75 19.00 12.25 5.50

**Stringer Locations (from Pallet Edge):**
- 0.00 19.25 38.50
- 40.00 20.75 1.50

**Bottom Deckboard Locations (from Pallet End):**
- 0.00 15.00 22.25 29.00 42.50
- 48.00 33.00 25.75 18.50 5.50

**Fasteners/Connection:**
- Top Deck: 3 2 2 2 2 2 3 (Total: 48)
- Bottom Deck: 3 2 2 2 3 (Total: 36)

**Material Volume:**
- Top Deck: 4.9 bd ft
- Stringers: 5.3 bd ft
- Bottom Deck: 3.7 bd ft (Total: 13.9 bd ft)
## Components

### Top Deck:
- **Style:** Deckboard  
- **Type:** New Lumber  
- **Thickness:** 0.625  
- **Length:** 40.00  
- **Wing:** 0.00  
- **Number of Deckboards:** 7  
- **Number** | **Width** | **Fasteners Per Connection**  
| --- | --- | ---  
| 2 | 5.500 | 3  
| 5 | 3.500 | 2  
- Endboards Flush, Interior boards Equally Spaced  
- **Volume:** 4.9 bd ft

### Bottom Deck:
- **Style:** Deckboard  
- **Type:** New Lumber  
- **Thickness:** 0.625  
- **Length:** 40.00  
- **Wing:** 0.00  
- **Number of Deckboards:** 5  
- **Number** | **Width** | **Fasteners Per Connection**  
| --- | --- | ---  
| 2 | 5.500 | 3  
| 3 | 3.500 | 2  
- Endboards Flush, Interior Cluster Equally Spaced  
- **Volume:** 3.7 bd ft

### Stringers:
- **Type:** New Lumber  
- **Height:** 3.500  
- **Length:** 48.00  
- **Number of Stringers:** 3  
- **Number** | **Width**  
| --- | ---  
| 3 | 1.500  
- **Partial 4-way Entry Notch:**  
  - **Depth:** 1.000  
  - **Length:** 9.00  
  - **Location:** 6.00  
  - **Radius:** 0.50  
- **Volume:** 5.3 bd ft

## Materials

### Fasteners:
- **Fastener ID:**  
- **Fastener Type:** Helically Threaded Nail  
- **Fastener Length:** 2.25  
- **Thread Length:** 1.50  
- **Thread Diameter:** 0.120  
- **Wire Diameter:** 0.112  
- **Head Diameter:** 0.281  
- **Helixes:** 6.0  
- **Flutes:** 4  
- **Thread Angle:** 69  
- **MIBANT Angle:** 36  
- **FWI:** 46  
- **FSI:** 67  
- **Total Number:** 84

### New Lumber:
- **Lumber ID:**  
- **Species Class:** SPF  
- **Grade:** Standard &BTR  
- **Lumber Mix:** 100 %  
- **Moisture Content:** Green  
- **Total New Lumber Volume:** 13.9 bd ft

## Custom Notes and Information:

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The Home Depot  
Prepared by: North American Container Corporation  
1811 West Oak Parkway, Suite D  
Marietta, Ga 30062  
PDS License: 327  
Date: October 04, 2004
Pallet ID: GMA 48 x 40 4-Way Mixed Width Deck Boards
Classification: 48.00 x 40.00, Stringer-Class, Double-Face Non-Reversible, Partial 4-Way, Limited-Use, New Manufacture