

*PDS 6.1* allows the design of very wide stringer pallets with up to 18 stringers. These pallets are typically used for transporting packages of house siding, gutters or other long items that support some of their own weight.



## PDS VERSION 6.1

### ENHANCEMENTS IN VERSION 6.1

*PDS 6.1* adds several frequently user-requested features as well as increased performance for panel deck pallets.

Improvements and new features included in PDS 6.1 are:

- Doubled the number of stringers for stringer pallets from a limit of nine to eighteen. This allows very wide pallets used for siding and other long, semi-rigid items to be designed and analyzed.
- Up to two bottom deckboards located between blocks, running parallel to the pallet length can be analyzed. CP7 pallets can now be analyzed, as well as designed.
- More sophisticated panel deck pallet analysis models are better able to capture performance differences between designs.
- Updated properties for air dried softwood pallets that are assembled green and dried prior to use.

*PDS 6.1* allows the design of very wide stringer pallets with up to 18 stringers. These pallets are typically used for transporting packages of house siding, gutters or other long items that support some of their own weight. This addition is the first step in developing a system to analyze unit loads of sheet goods and other semi-rigid long items, allowing reasonable load ratings to be determined for forklifting.

*PDS 6.1* can explicitly analyze block pallets with up to two bottom deckboards between the blocks that run parallel to the top stringer boards. This is needed to analyze CP-7 pallets as these pallets have one bottom deckboard between blocks. Previously, the analysis did not consider the bottom deckboards between the blocks as contributing to the stiffness and strength of the pallet. With this new feature, the racked across length strength for these pallets is greatly improved.

### PALLET DESIGN HELP 24/7

A comprehensive **PDS User's Guide** is built into the software program to help answer questions 24/7 regarding pallet design. The User's Guide includes an overview of unit load analysis. It is readily available and accessible from the **Opening Window Start Dialog**, through the **Help** menu, and at the **bottom left of every window** within the design wizard. PDS Users can also search this valuable resource to learn more about pallet design from a variety of topics.

Stay updated on the Pallet Design System™ by opting-in to NWPCA email communications for "PDS News." If you need additional support assistance, contact 703-519-6104 or visit [www.PalletCentral.com/PDSsupport](http://www.PalletCentral.com/PDSsupport).



**National Wooden Pallet  
& Container Association**  
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**Pallet Design System™**  
with LoadSync

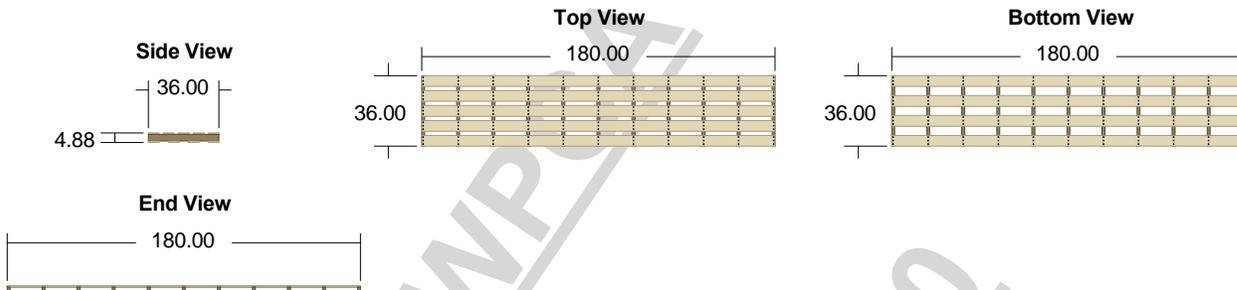
**PALLET DESIGN SYSTEM Version 6.1**  
**Pallet Specification Sheet**

All dimensions in inches

**Example Only**

**Pallet ID:**

**Classification:** 36.00 x 180.00, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture



**Components**

**Materials**

**Top Deck:**

Style: Deckboard Type: New Lumber

Number	Thickness	Width	Length
5	0.688	5.500	180.00

Volume: 23.7 bd ft

**Bottom Deck:**

Style: Deckboard Type: New Lumber

Number	Thickness	Width	Length
4	0.688	5.500	180.00

Volume: 18.9 bd ft

**Stringers:**

Type: New Lumber

Number	Width	Height	Length
11	1.500	3.500	36.00

Volume: 14.4 bd ft

**Fasteners:**

Fastener ID:	2-1/4 x .112 SS
Fastener Type:	Helically Threaded Nail
Fastener Length:	2.25
Thread Length:	1.25
Thread Diameter:	0.128
Wire Diameter:	0.112
Head Diameter:	0.280

**Note: Only a partial list of materials are included in this example design.**

**New Lumber:**

Lumber ID:	
Species Class	Grade
High Density Eastern Hardwoods	Standard &BTR
Moisture Content(at manufacture and assembly): Green	
<b>Total New Lumber Volume: 57.0 bd ft</b>	

**Spec Sheet Notes:**

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