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.

PALLETS 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.
Pallet ID:
Classification: 36.00 x 180.00, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture

Components

Top Deck:
- Style: Deckboard
- Type: New Lumber
- Number: 5
- Thickness: 0.688
- Width: 5.500
- Length: 180.00
- Volume: 23.7 bd ft

Bottom Deck:
- Style: Deckboard
- Type: New Lumber
- Number: 4
- Thickness: 0.688
- Width: 5.500
- Length: 180.00
- Volume: 18.9 bd ft

Stringers:
- Type: New Lumber
- Number: 11
- Width: 1.500
- Height: 3.500
- Length: 36.00
- Volume: 14.4 bd ft

Materials

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

New Lumber:
- Lumber ID:
- Species Class: High Density Eastern Hardwoods
- Grade: Standard &BTR
- Moisture Content: Green
- Total New Lumber Volume: 57.0 bd ft

Spec Sheet Notes:

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