Pallet Specification Sheet

All dimensions in millimeters

Materials

Customer:

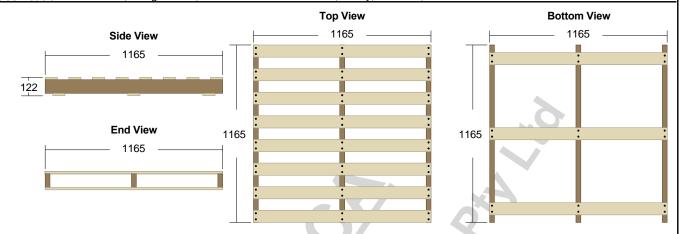
Prepared by:

Express Pallets & Crates Pty Ltd

PDS License: 790 Printed: November 29, 2018

Pallet ID: VP1165833BCR

Classification: 1165 x 1165, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture



Components

Top Deck:

Style: Deckboard Type: New Lumber

 Number
 Thickness
 Width
 Length

 8
 16
 80
 1165

Volume: 0.0119 cubic meters

Bottom Deck:

Style: Deckboard Type: New Lumber

 Number
 Thickness
 Width
 Length

 3
 16
 80
 1165

Volume: 0.0045 cubic meters

Stringers:

Type: New Lumber

 Number
 Width
 Height
 Length

 3
 32
 90
 1165

Volume: 0.0101 cubic meters

Fasteners:

Fastener ID: 57x3.06

Fastener Type: Annularly Threaded Nail

Fastener Length: 57
Thread Length: 38
Thread Diameter: 3.3

Thread Diameter: 3.3
Wire Diameter: 3.1
Head Diameter: 7.2
Rings: 46
Pitch: 0.8

MIBANT Angle: 35 FWC: 3.68

Total Number: 66

New Lumber:

Lumber ID: Radiata Pine

<u>Species Class</u>
Chilean Radiata Pine

Grade
Premium

Moisture Content (at manufacture and assembly): Green

Total New Lumber Volume: 0.0265 cubic meters

Spec Sheet Notes:

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PALLET DESIGN SYSTEM Version 5.4 Pallet Structural Analysis

Customer:

Prepared by:

Express Pallets & Crates Pty Ltd

PDS License: 790 Printed: November 29, 2018

Pallet ID: VP1165833BCR

Classification: 1165 x 1165, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture

General Load Type: Uniformly Distributed - Full Pallet Coverage

Load Weight Variability: Medium

Service Environment: Dry Environment (EMC <= 19%)

Support Condition Side View End View	Safe Maximum Load	Deflection at Maximum Load	User Specified Deflection Limit	Maximum Load for Deflection Limit	Critical Member or Connection
Racked Across Length 2 Beam Support	1038 kg	6 mm			Interior Top Deckboard
Warehouse Storage Stacked 1 Unit Load High	1387 kg	8 mm	6 mm	NA	Interior Top Deckboard
Latoral Collanso Posistanco		01			





Pallet Design System (PDS) <u>Developed and owned by:</u> National Wooden Pallet and Container Association (NWPCA)

Research and development for early versions of PDS were conducted in cooperation with:
Center for Unit Load Design, Virginia Tech Department of Wood Science and Forest Products;
U.S.D.A. Forest Service and Forest Products Laboratory; APA - The Engineered Wood Association;
Software Technologies Laboratory, Virginia Tech Department of Industrial and Systems Engineering

The results from PDS are based on the NWPCA's continuing program of laboratory and field research. While the engineering outcomes reflected in the results are based on sound science, 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, and specifically disclaims any responsibility for such. Notwithstanding the history of the PDS system, users of the PDS system are strongly encouraged to undertake individual, unique analysis of the results as they then pertain to specific applications and the production process. 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.

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National Wooden Pallet and Container Association, 1421 Prince Street, Suite 340, Alexandria, Virginia 22314-2805, United States http://www.palletcentral.com

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PALLET DESIGN SYSTEM Version 5.4 Pallet Physical Property Analysis

Customer:

Prepared by:
Express Pallets & Crates Pty Ltd
PDS License: 790 Printed: November 29, 2018

Pallet ID: VP1165833BCR

Classification: 1165 x 1165, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture

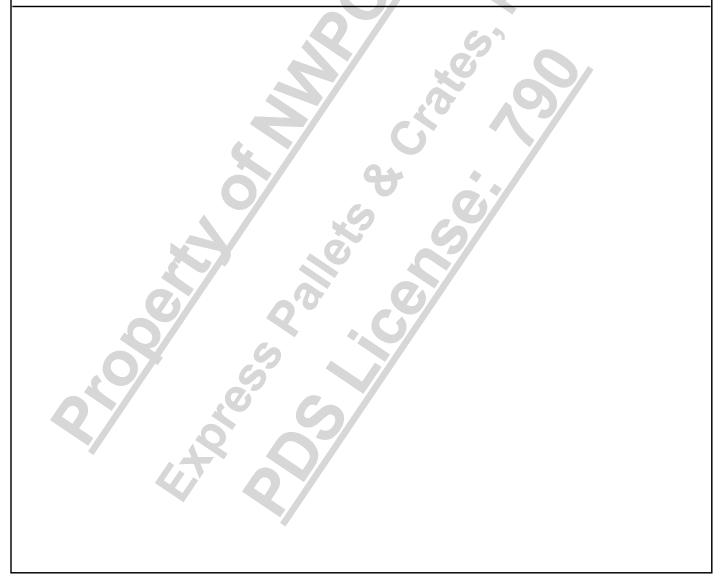
	At Manufacture	At 25% MC	At 19% MC	At 15% MC	At 12% MC
Average Pallet Weight	16 kg	13 kg	12 kg	12 kg	12 kg

Width Shrinkage

=Thickness Shrinkage

Dimensional Change due to Wood Drying

Component	Original Dimension	Shrinkage from Manufacture to 19% MC	Shrinkage from Manufacture to 15% MC
Top Deckboards	16 mm Thickness	0.3 mm (+/- 0.1 mm)	0.4 mm (+/- 0.1 mm)
	80 mm Width	1.5 mm (+/- 0.4 mm)	2.2 mm (+/- 0.6 mm)
Stringers	90 mm Height	1.7 mm (+/- 0.4 mm)	2.4 mm (+/- 0.6 mm)
	32 mm Width	0.6 mm (+/- 0.2 mm)	0.9 mm (+/- 0.2 mm)
Bottom Deckboards	16 mm Thickness	0.3 mm (+/- 0.1 mm)	0.4 mm (+/- 0.1 mm)
	80 mm Width	1.5 mm (+/- 0.4 mm)	2.2 mm (+/- 0.6 mm)

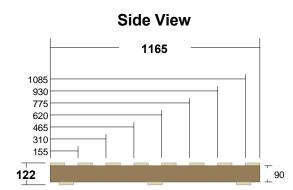


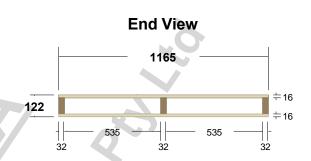
2-D Pallet Drawings

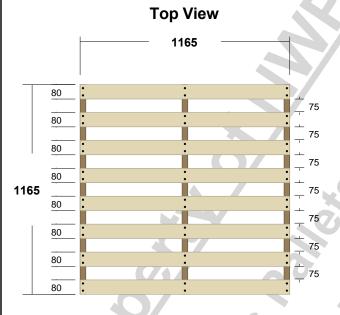
All dimensions in millimeters

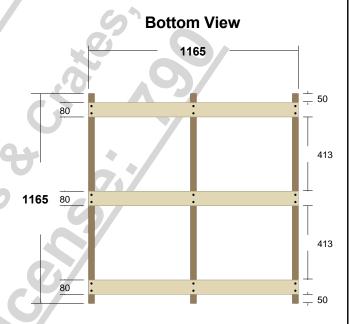
Pallet ID: VP1165833BCR

Classification: 1165 x 1165, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture









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Customer:

Prepared by:

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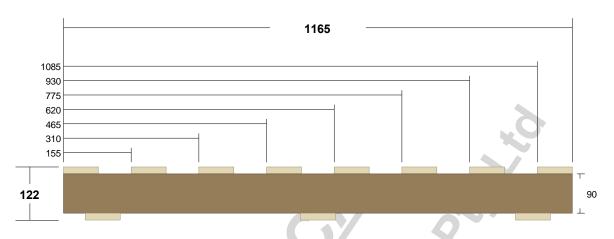
PALLET DESIGN SYSTEM Version 5.4 Pallet Drawing - Side and End View

All dimensions in millimeters

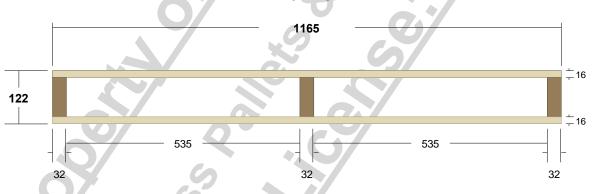
Pallet ID: VP1165833BCR

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Side View



End View



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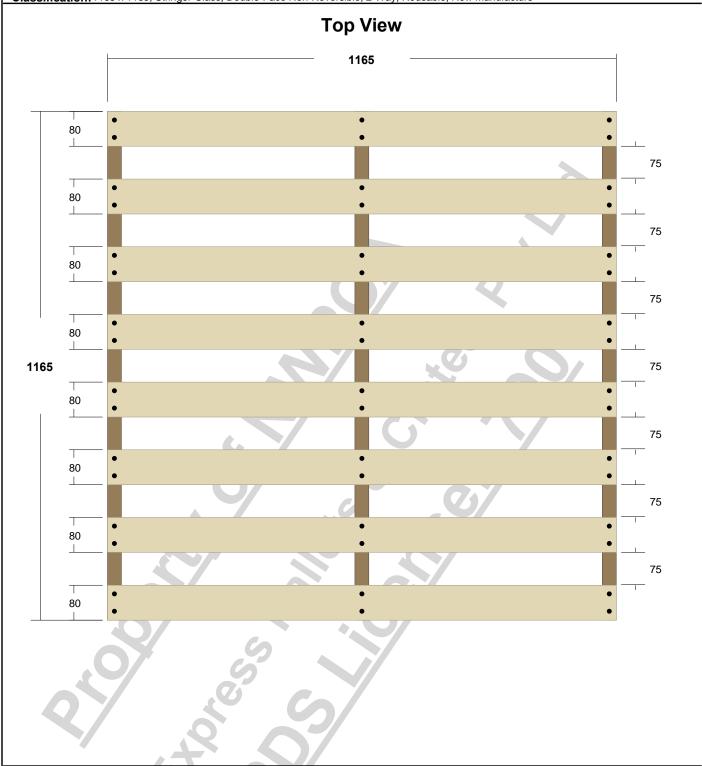
Customer:

Prepared by:

Pallet Drawing - Top View

All dimensions in millimeters

Pallet ID: VP1165833BCR
Classification:1165 x 1165, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture



Customer:

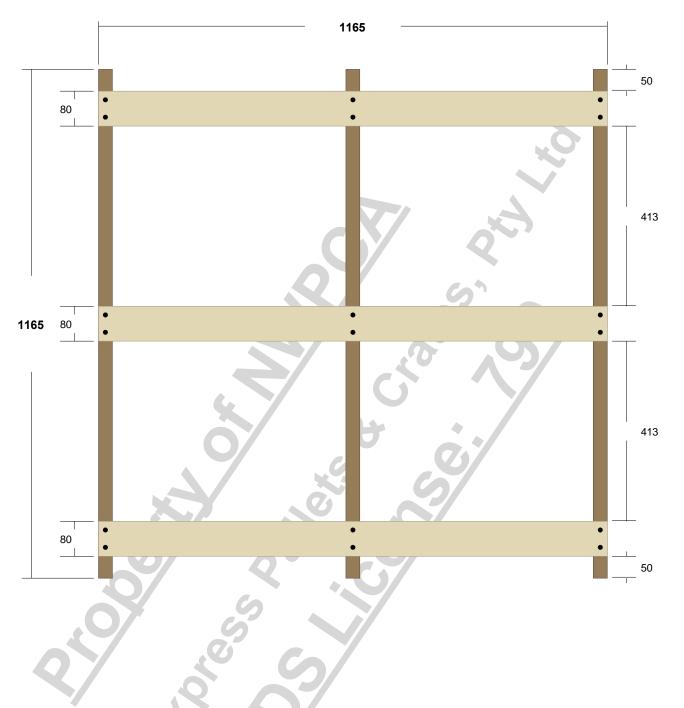
Prepared by:

Pallet Drawing - Bottom View

All dimensions in millimeters

Pallet ID: VP1165833BCR
Classification:1165 x 1165, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture





Customer:

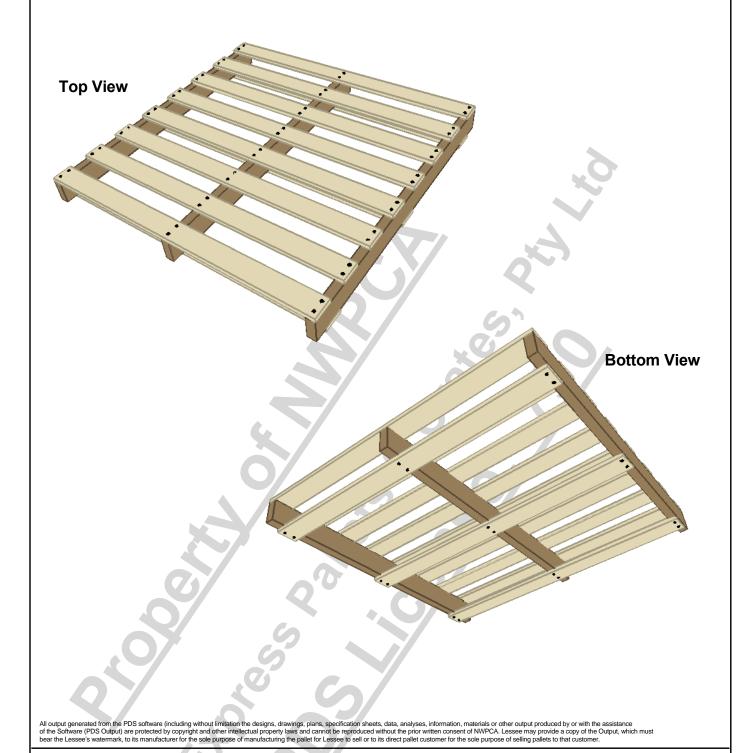
Prepared by:

3-D Pallet Drawings

All dimensions in millimeters

Pallet ID: VP1165833BCR

Classification: 1165 x 1165, Stringer-Class, Double-Face Non-Reversible, 2-Way, Reusable, New Manufacture



Customer:

Prepared by: