

Style: Single-Use, 4Way
DoubleFace Non-reversible, Perimeter Base

Lumber: **Acceptable Lumber Species:**
100% Ponderosa Pine

Min Part Grade: Standard And Better

Max Moisture Content: 19%

Nails: (45 Mat fastener, 87 nails)

Length: See notes below

Gauge:

Type:

Point:

* 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, carribeana, 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		Stringer Boards		Blocks	
Item	Qty.	Item	Qty.	<W>	Dimensions
1	2	5	3	6	7.5L x 3.5W x 3.5H
2	7			3	5.5L x 3.5W x 3.5H
3	3				
4	2				

Approved Pending

Version No.1

ID Mango Pallet

Drawing No.1

Pallet Analysis

Best Pallet Version 3.3.1o*



Prepared By: White and Company LLC

Company: Cal Poly

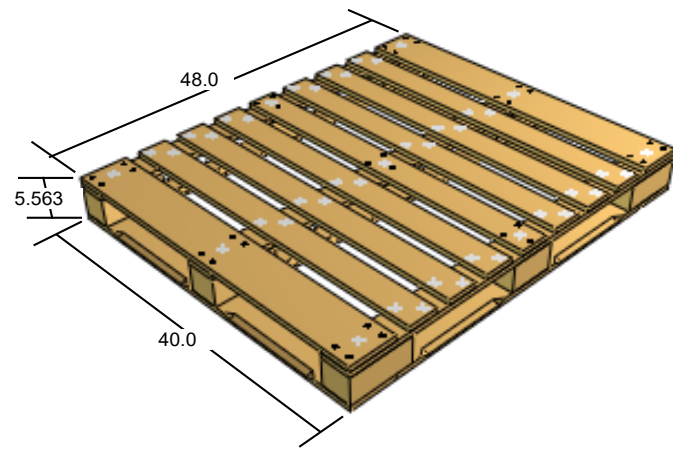
Analysis ID: SA pine mango pallet V 2

Address:

Date: Oct 12, 2017

San Luis Abispo

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



Analysis Summary

Required Payload: 2600 lbs

Predicted Maximum Safe Load: 2746 lbs

Load Variability: Low

Analysis

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

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

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.