

Pallet Analysis

Best Load Version 4.0.2h



Prepared By: PalletOne - Reed Esarove

Company: PalletOne

Analysis ID: 48x40 Premium new

Address:

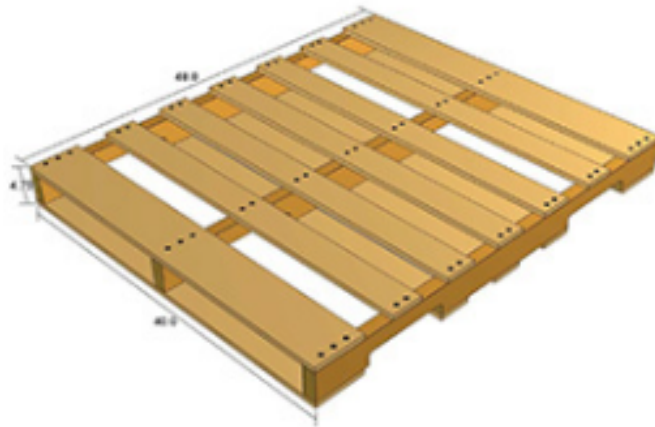
Pallet Information: 48.0 in L x 40.0 in W, Weight - 67.5 lbs, Reusable, New

Pallet Description: Partial 4Way, DoubleFace, Non-reversible, Flush

Deckboard Lumber Top: 100% HDH

Bottom: 100% HDH

Stringer Lumber: 100% HDH



Analysis Summary

Required Payload 0 lbs

Predicted Maximum Safe Load: 3811 lbs

Load Variability: Medium

Analysis

Storage and Handling Conditions	Predicted Maximum Safe Load (lbs)	Initial Average Deflection (in)	Critical Members
Forktine Parallel to Length	4827	0.96	Top Deckboard
Forktine Perpendicular to Length	3811	0.25	Stringer
Stacked 1 High	6025	0.13	Top Deckboard

Forktine spacing = 22.0, length = 42.0, and width = 5.0



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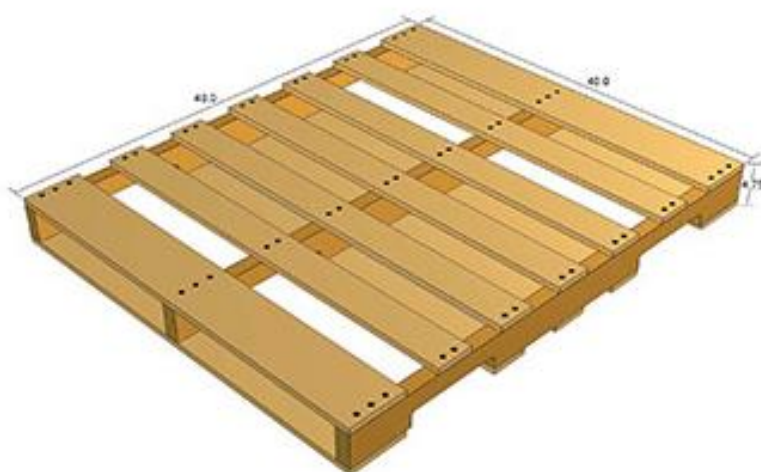
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2D Drawings

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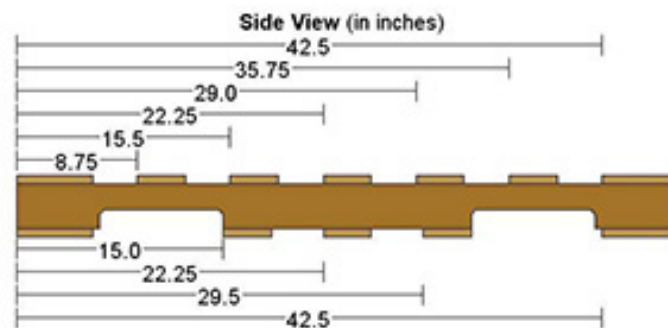
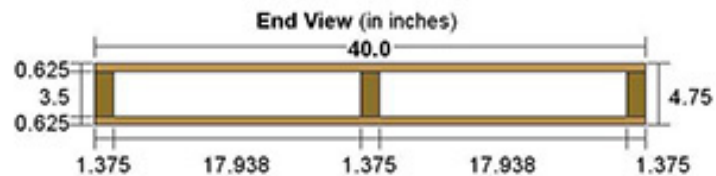
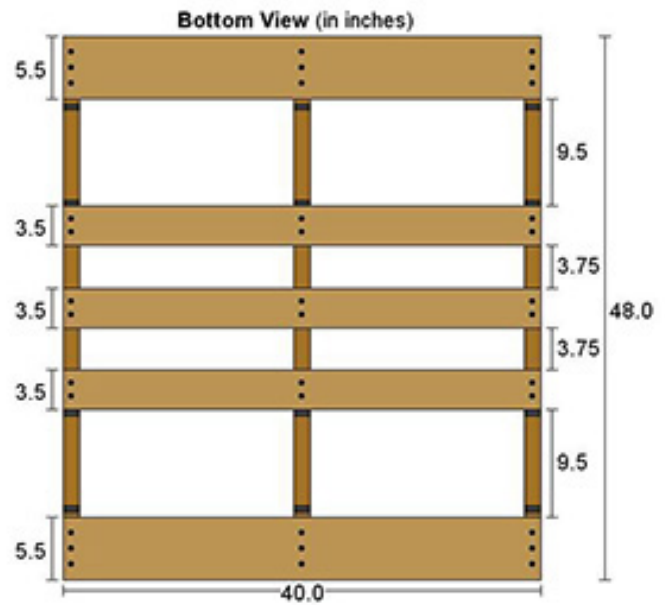
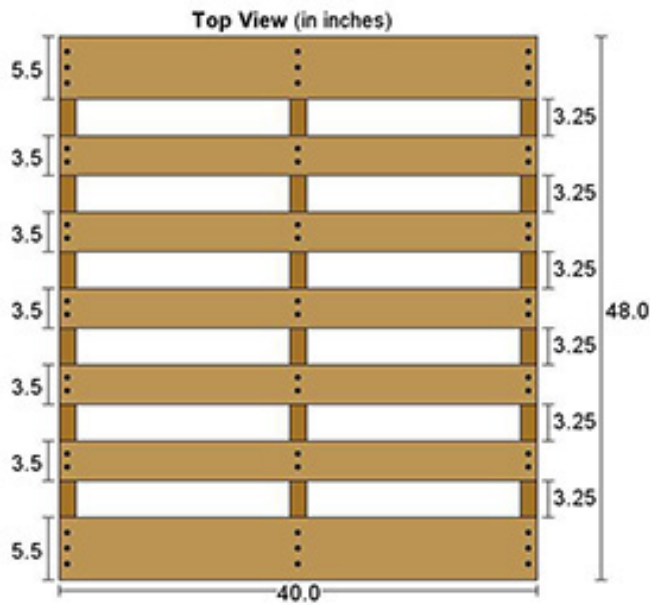
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Pallet Specifications

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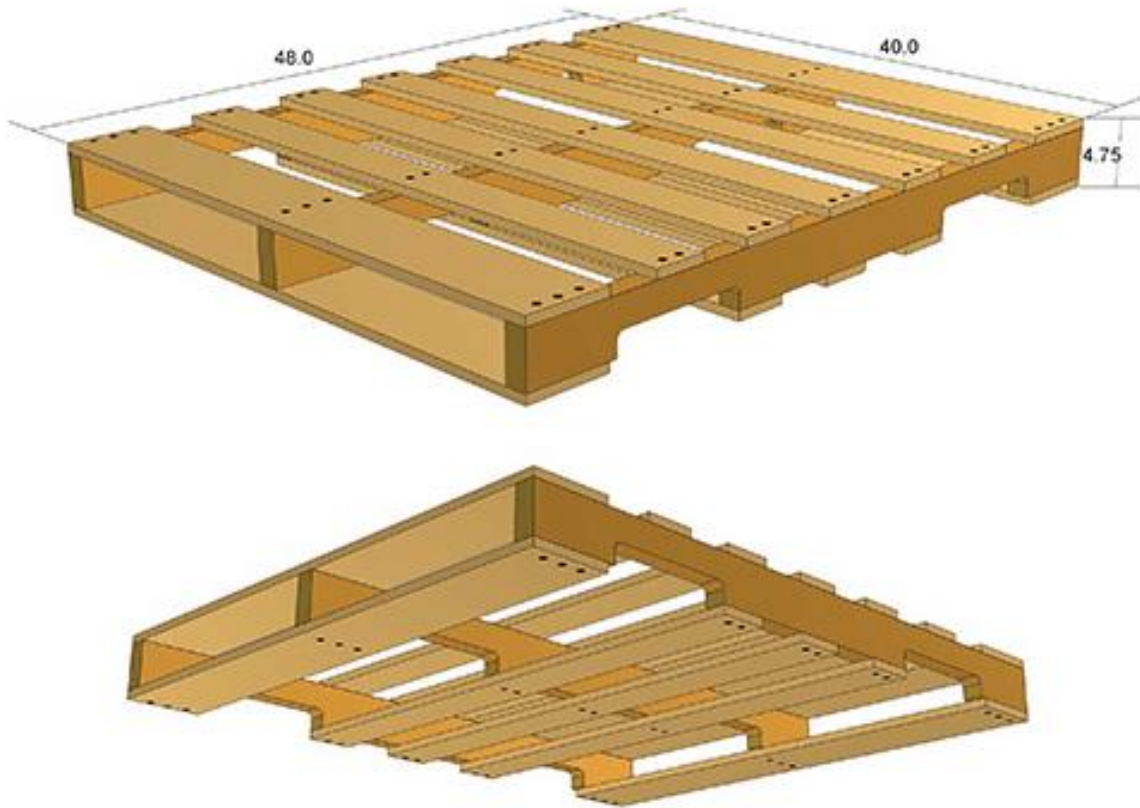
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Components

Top Deckboards (in)				Bottom Deckboards (in)			
Board	Thickness	Width	Length	Board	Thickness	Width	Length
2	0.625	5.5	40.0	2	0.625	5.5	40.0
5	0.625	3.5	40.0	3	0.625	3.5	40.0
Stringers (in)				Lumber 13.5 bd ft one species class 100% High Density Hardwoods (HDH) Utility & Better grade Green50%			
Notch: Partial 4way							
Depth:	Deckboard Length:	Location:	Radius:				
1.5	9.0	6.0	0.5				
Boards	Height	Width	Length				
3	3.5	1.375	48.0				
Total number of nails:84				No Treatment			
Notes:							
1. _____				3. _____			
2. _____				4. _____			



- Standard 48" x 40" pallets
 - GMA 48" x 40" pallets
 - GMA block pallets
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- A footprint of 48" x 40"
 - The minimum load-bearing capacity of 2,500lbs
 - 4-way forklift entry with 2 notches on the side
 - Both top and bottom deck boards must be at least 0.5" thick
 - 1x 5.5" x 40" board on each end of the top of the pallet with five 3.5" x 40" boards in the middle
 - 1x 5.5" x 40" board on each end of the bottom of the pallet with 3 3.5" x 40" boards between the notches
 - Pallet height: GMA pallets are usually 6.5" tall.
 - pallets are heat-treated for international shipping.