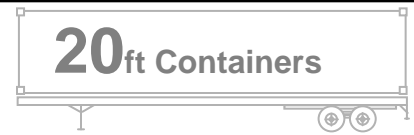


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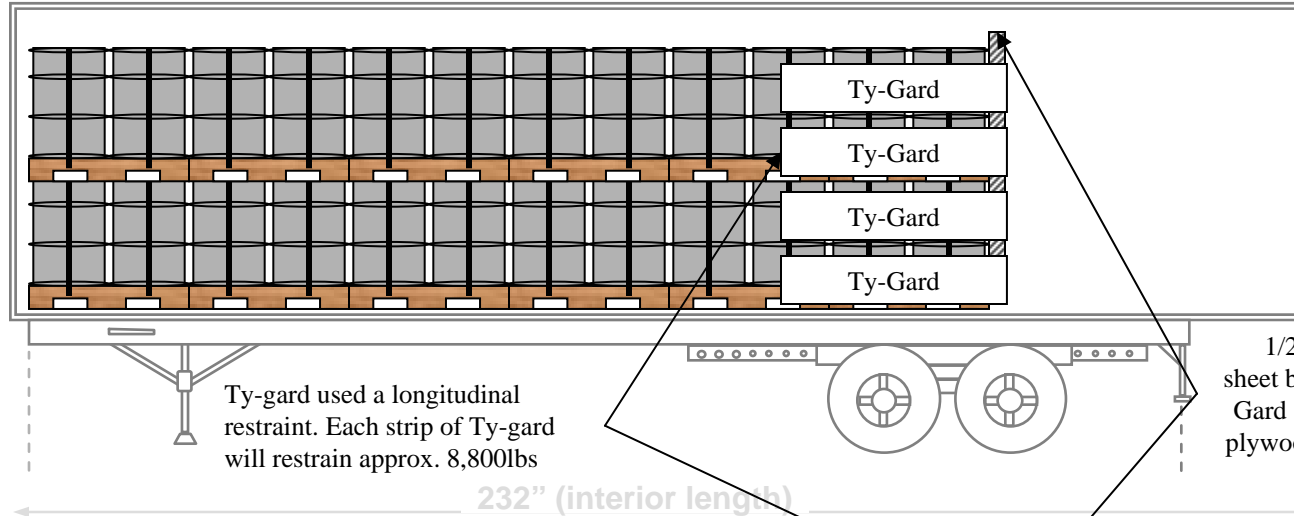
Double Stacked Drums on Pallets with Ty-Gard



Nose

Side Wall Cutaway View

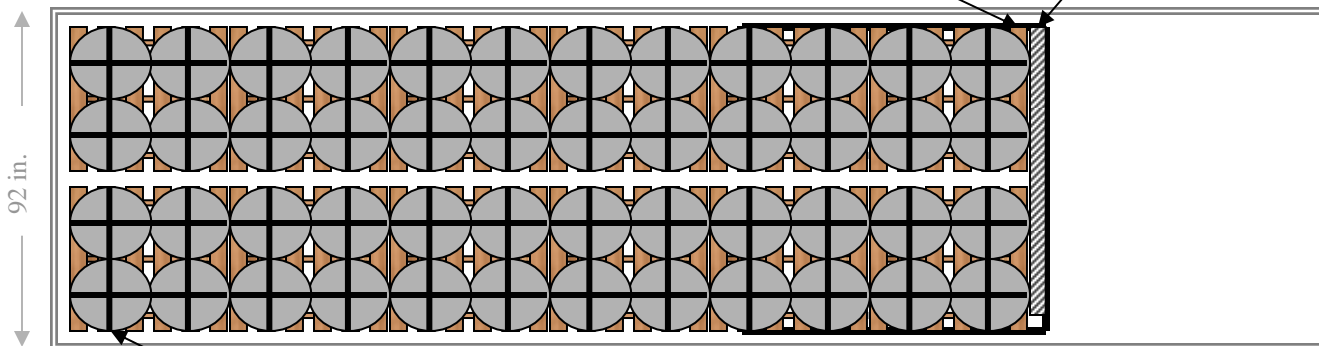
Rear



Nose

Overhead View

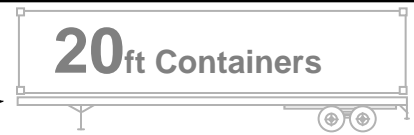
Rear



	Union Pacific Damage Prevention
	File: Drums20 Pallet TYGARD
	Date: 11/04/2003 By: PJS

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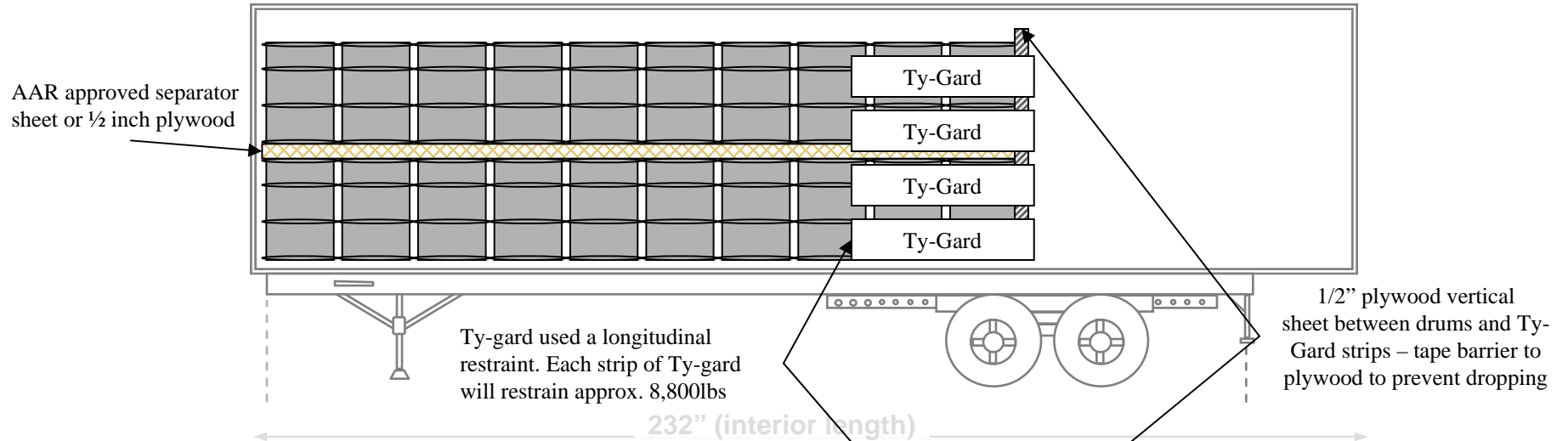
Double Stacked Drums Floor Loaded with Ty-gard



Nose

Side Wall Cutaway View

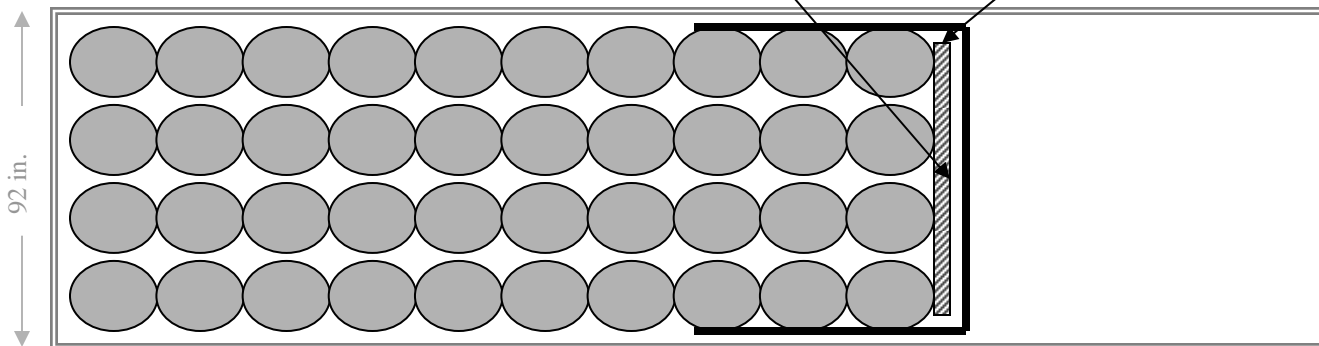
Rear




Nose

Overhead View

Rear

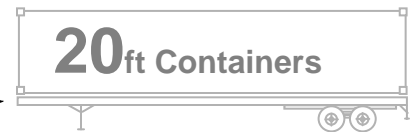


A plywood barrier must be inserted between the drums and Ty-Gard when the last row ends with four drums. This is done to prevent any bulging of the last row



Union Pacific Damage Prevention
 File: Drums20 Pallet TYGARD
 Date: 11/04/2003 By: PJS

Double Stacked Drums Floor Loaded with Ty-gard

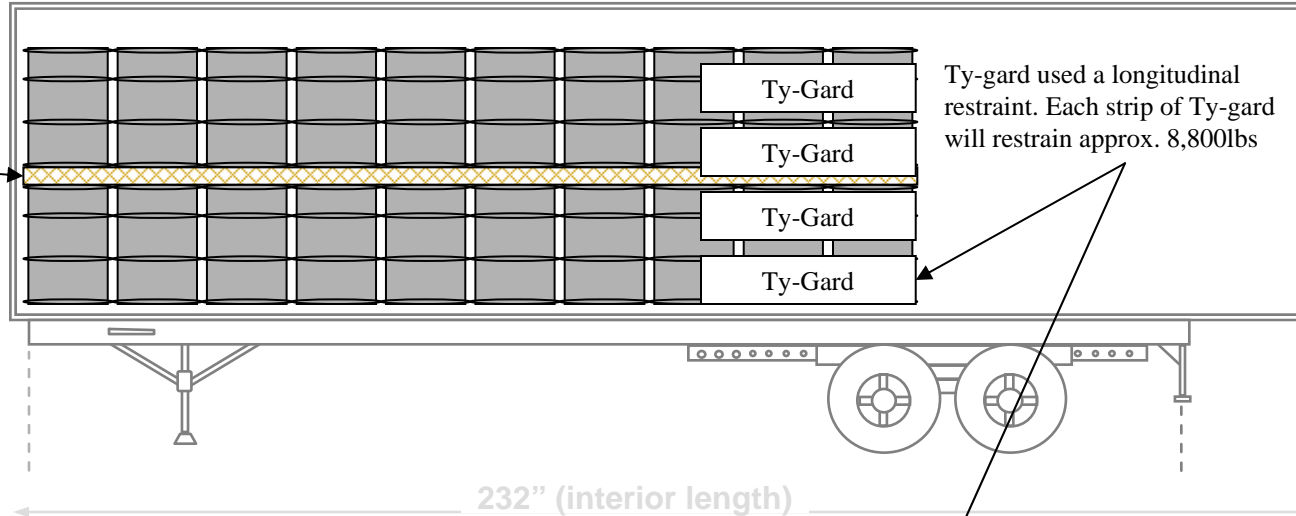


Nose

Side Wall Cutaway View

Rear

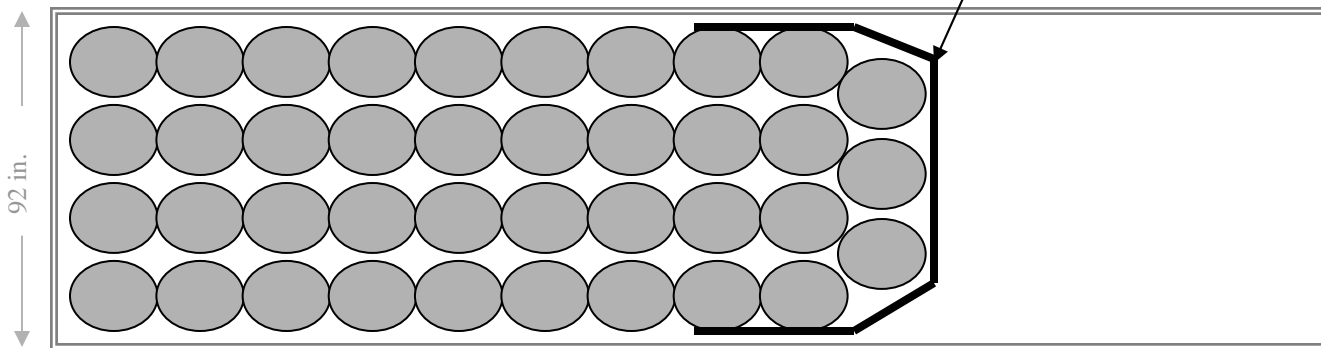
AAR approved separator sheet or 1/2 inch plywood




Nose

Overhead View

Rear



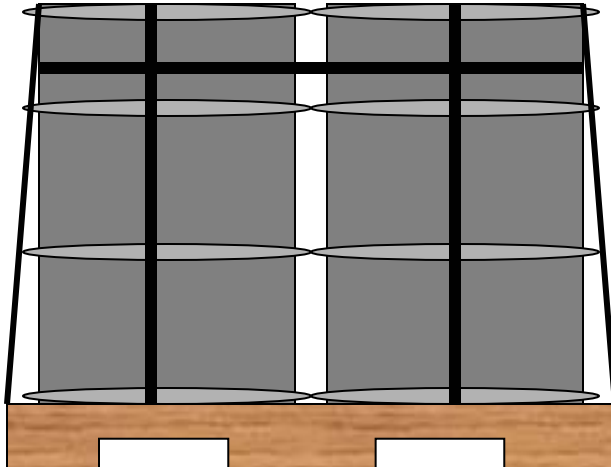
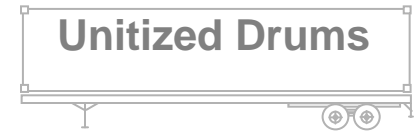
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Union Pacific Damage Prevention
File: Drums20 Pallet TYGARD
Date: 11/04/2003 By: PJS

Unitized Drums on Pallets

Unitized Drums



DRUMS ON PALLETS

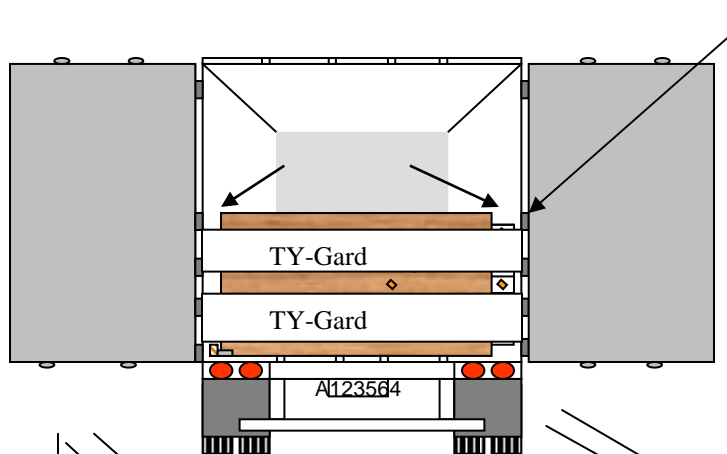
DRUMS MUST BE UNITIZED TOGETHER.
EACH ROW MUST BE BANDED TO THE
PALLET LONGITUDINALLY AND
LATERALLY WITH MINIMUM 1.25" STEEL
BANDING

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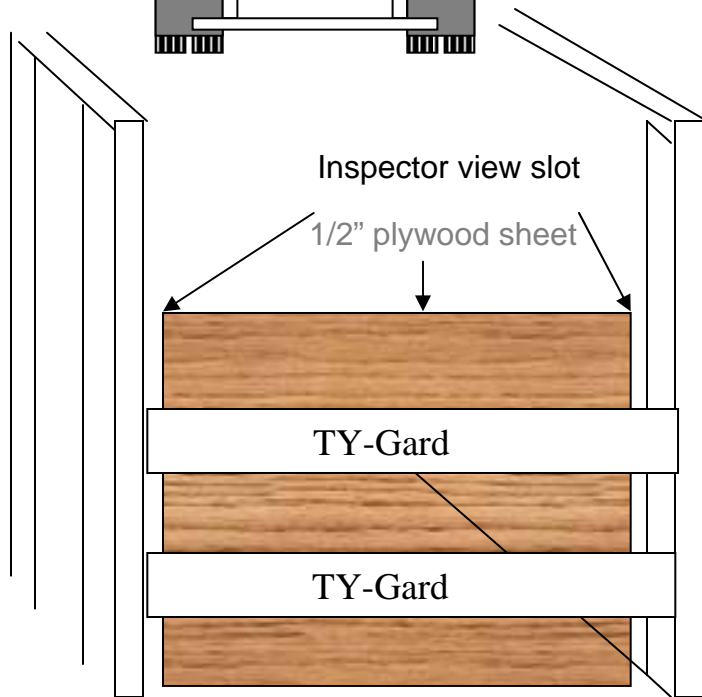
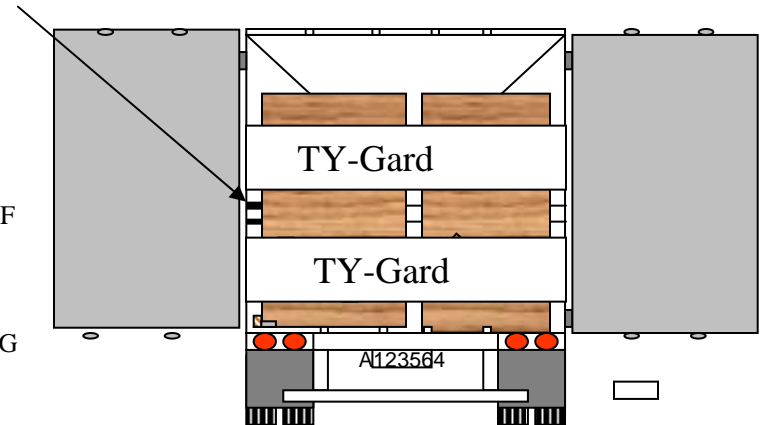
Union Pacific Damage Prevention
File: Unitized Drums on Pallets
Date:06/20/06 By:EOW

TY- Gard Installation



INSPECTOR VIEW
SLOTS (Center or side)

Note: VIEW SLOTS SHOULD BE LARGE ENOUGH TO VIEW, PACKAGING, METHOD OF LOADING, BUT NOT LARGE ENOUGH TO ALLOW PACKAGE TO FALL THROUGH VIEWING VOID.



Ty-Gard can be used as a longitudinal restraint.
Rule of Thumb: 1 strip for every 8,800 lb of cargo.
Must glue to side wall , minimum of 5 ft

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	Union Pacific Damage Prevention
	File: Ty-gard Installation
	Date: 8/6/03 By:WLR