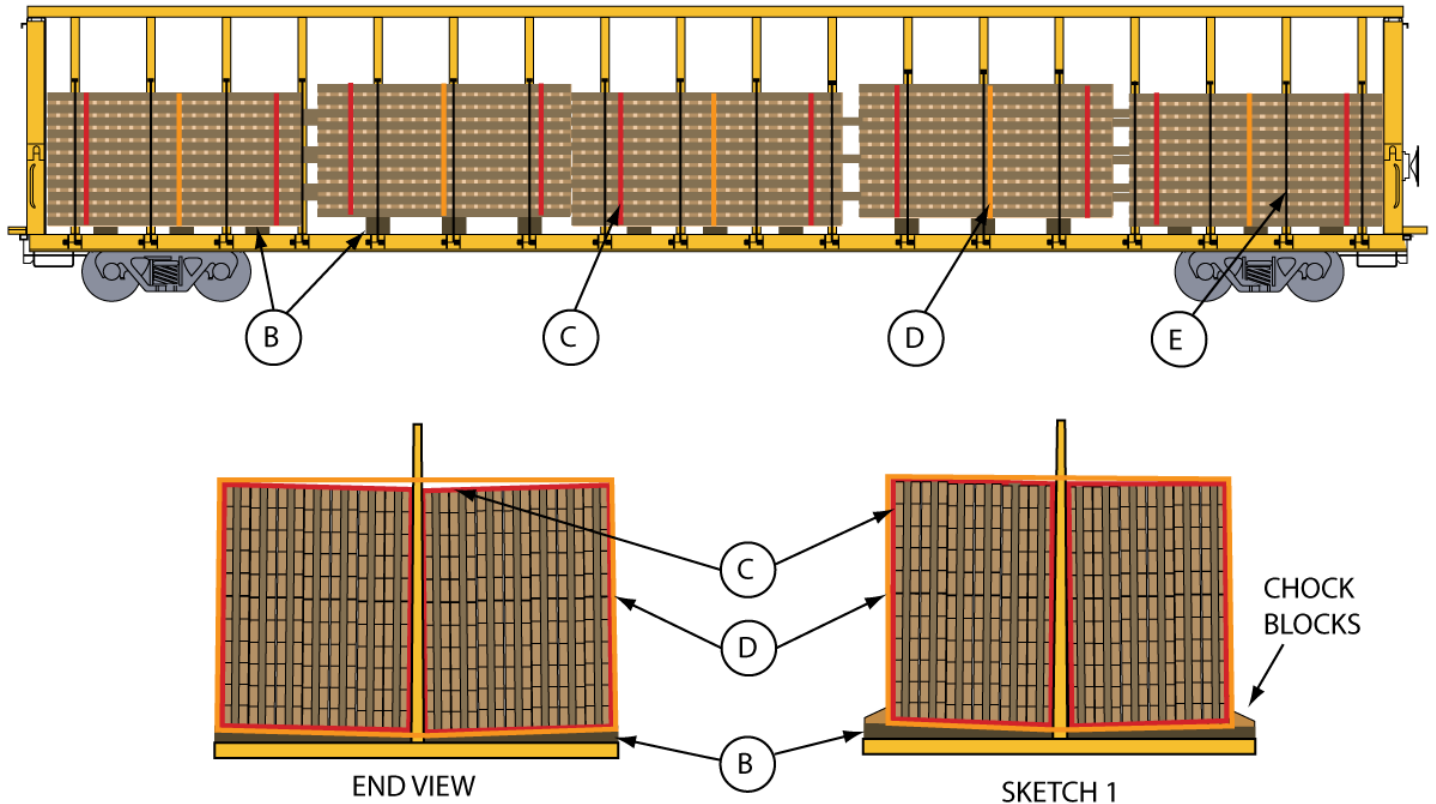


MATS, TILT-UP HARDWOOD, 8 FT LONG OR OVER CENTER A-FRAME
FLATCARS, WITH CABLE TIE-DOWNS

RAC 15008
Revised 03-2017



Item	No. of Pcs.	Description
A		Vacant
Alt. B	2 per 8' long package. Add 1 for each additional 4 ft.	Bearing pieces: lumber of one piece, preferably rough. Width must be 2 in greater than height and the length equal to width of railcar deck.
C	2 per package	Packages ties: 1 ¼" in. x 0.29 high tension encircling bands. Locate bands approximately 12" from end of mat.

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Revised 03-2017 (Continued)

Item	No. of Pcs.	Description
D	1 per side-by-side packages	Encircling bands: 1 ¼" in. x 0.29 high tension encircling bands. This band will pass through the center beam and encircle the stacks on the opposite side of the car. This band should not be cut until the stack is ready to be removed. It is designed to prevent the packages from tipping when the cables are removed.
E	Minimum 2 per each mat	Cables: Cables: 3/8 in. diameter, minimum of 8,800 lbs. Breaking strength. Cable assemblies must be equipped with edge protectors. Prior to tightening, there must be a minimum of 2½ wraps of cable around the winch drum. All cables must be used and must be free of kinks and tangles. Tension to be applied with the use of an 18 in. bar or ¾ in ratchet. Cables are to be secured to A-frame in slot nearest to top of top package.

Alternate Item D - For cars equipped with polyester web-strap assembly systems.

Alt. D	2 per package 10 ft long or less. 3 if over 10 ft.	Web tie down straps: polyester webbing, 4-in. wide with 20,000 lb. Minimum Breaking Strength. Winches are to be located on each side of the car and spaced every 48-in. Place over load and secure to side winches at car side sill. Position straps perpendicular to winches. Prior to tightening, there must be at least 2 wraps of web strapping around the winch drum. Tension straps to obtain uniform tension using a 30 – 40-in. winch bar. All web tie-down components, including winches and webbing, must be inspected and applied in accordance with General Rule 20.
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Notes and Additional Requirements:

1. All tie-down cables that come into contact with the product must be used.
2. Tilt-up packages may not be stacked.
3. Packages should not be less than 40" wide.
4. On narrow load sections (less than 48") chocks are to be placed at base of package and secured to the bearing piece to hold base in place. In lieu of these chocks two extra item "D" may be utilized. (See **SKETCH 1**)
5. Voids, if any, must be in center of load.



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6. Packages must have sides square and be comprised of pieces of uniform width and thickness.
7. Mats must be placed tight against the A-Frame to prevent loosening of cables.
8. Mats must not overhang the outside edge of permanent bearing pieces by more than one half the width of the outside board in the mat on the bottom layer.
9. Dunnage must not be placed on top of permanent floor risers or bearing pieces.
10. Mats shorter than 8 ft in length are prohibited.

Reference the General Rules in Section 1 of the *Open Top Loading Rules Manual* for additional details.