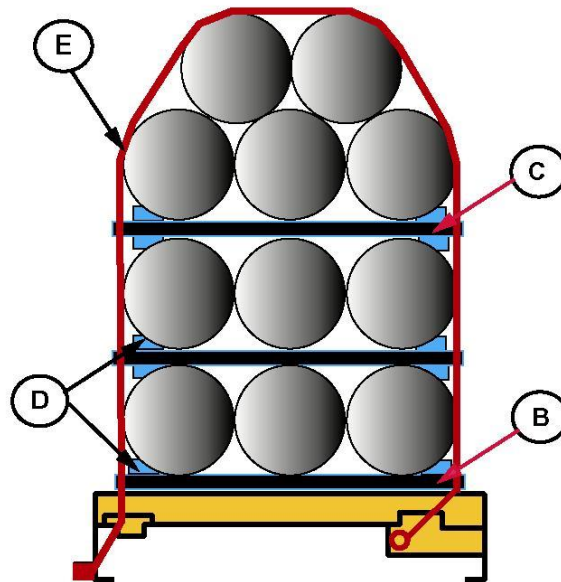
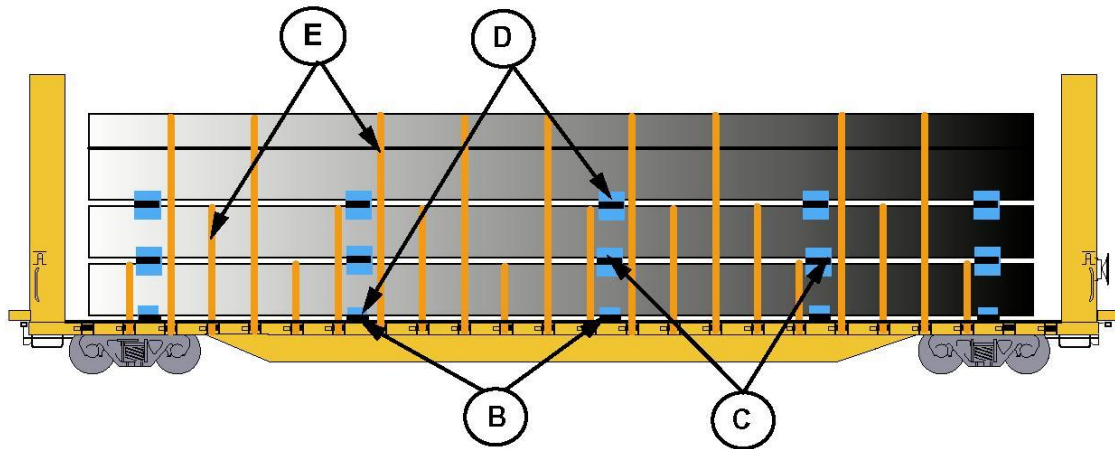


PIPE LOAD ON FLAT CARS EQUIPPED WITH PERMANENT END BULKHEADS
AND PVC TREATED POLYESTER WEBBING TIE-DOWN SYSTEM.

RAC 12100
New-01-2003



SKETCH 1: WEB ROUTE

**PIPE LOAD ON FLAT CARS EQUIPPED WITH PERMANENT END BULKHEADS
AND PVC TREATED POLYESTER WEBBING TIE-DOWN SYSTEM.**

RAC 12100 (conclusion)
New-01-2003

Item	No. of Pcs.	Description
A		Vacant
B	5 per package	Bearing pieces: hardwood, minimum 1 ½ in. x 3 ½ in., width must be at least 1 in. greater than height. Length must exceed width of package but must not extend beyond car side. All bearing pieces are equipped with charks (Item “D”)
C	5 per package	Separators: hardwood, minimum 1 ½ in. x 3 ½ in., width must be at least 1 in. greater than height. Length equal to width of each package. All separators are equipped with top and bottom charks (Item “D”).
D	1 per bearing piece on each side. 2 per separators on each side.	Charks: hardwood 2 in X 4 in. cut to fit and secured to top of bearing pieces Item “B” and to top and bottom of separators Item “C”.
E	All straps.	Tie-Down Straps: PVC treated polyester webbing 4 in. wide with a minimum of 5,000 lbs. Working load limit. Strap must be secured to car on side opposite winch, pass over top of load, through belt routing device below car deck and secured to winch assembly. (See Sketch 1). Straps must be pulled tight against both sides of load including bottom layers. All straps must be used. Tension with the use of a 24 in. to 30 in. bar. Refer to sketch 1 for application of tie-down strapping.

Notes:

1. Top layer of pipe is nested.