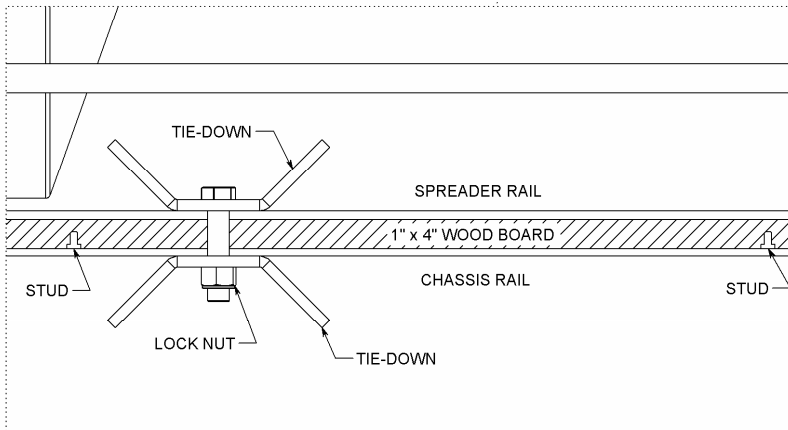
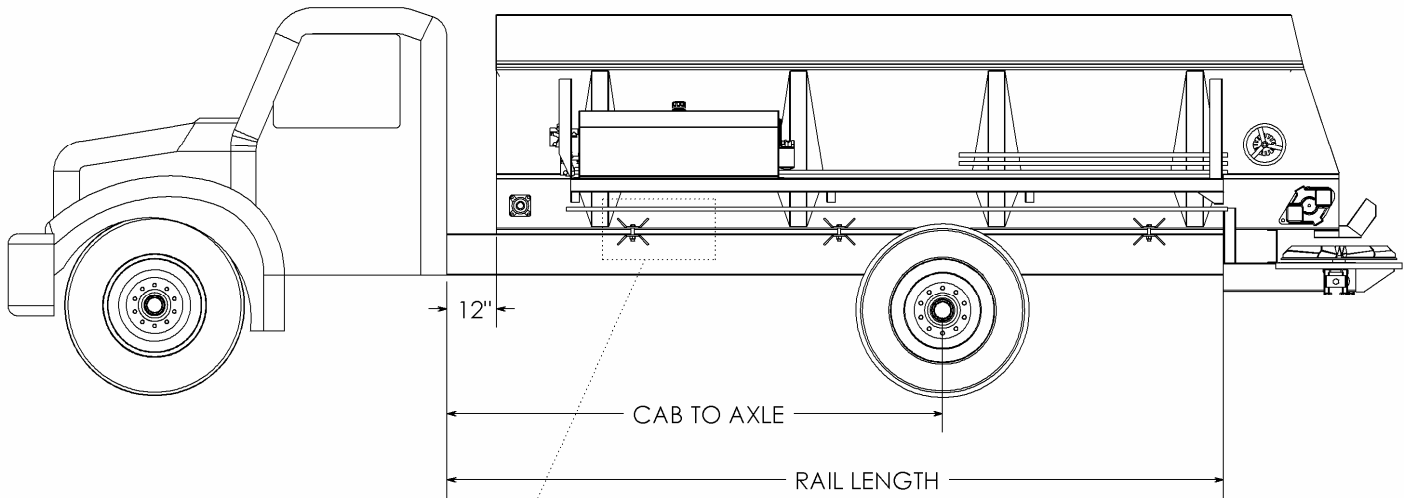


INSTALLATION

Follow these guidelines to install your spreader.



RECOMMENDED TRUCK DIMENSIONS (Allows for a 12" gap between spreader & cab)

Hopper	C-A	Rail
14'	105"	164"
16'	120"	188"
18'	136"	212"
20'	151"	236"
22'	166"	260"
24'	181"	284"
26'	196"	308"

Measurements are not for highway use.

Note: Keep in mind any obstructions behind the cab, such as, exhaust stacks, tool boxes, etc.

1. Check the chart above to ensure proper distance from the back of the Cab to the Center of the Axle (C-A), and the Length of the Chassis Rails.
2. Weld metal Studs to top of chassis rails to keep boards in place.
3. Lay 1" x 4" Wood Boards on top of chassis rails and hammer boards onto studs.
4. Set the Spreader on top of Truck Rails with boards secured in between rails of chassis and spreader; make sure spreader is centered from side to side on chassis.
5. Determine locations for Tie-Downs. BBI recommends at least two tie-downs per side in front of the axle and, depending on spreader length, one or more per side behind the axle.
6. Make sure spacing between the upper and lower tie-downs corresponds with the bolt length so that the nylon lock nut locks onto threads. Weld tie-downs to spreader and chassis, and bolt together.

POWER TAKE-OFFS & HYDRAULIC PUMPS

Choosing the appropriate Power Take-Off (PTO) for your truck and for your spreader is **CRUCIAL TO THE LIFE OF THE HYDRAULIC SYSTEM**. Selecting the wrong PTO can damage your spreader and your vehicle's transmission.

Many important assembly options must be chosen specifically for your transmission and PTO application. The most critical option is the **OUTPUT SHAFT SPEED PERCENTAGE**. This is the percentage of your truck's engine RPM that the PTO will turn the hydraulic pump while operating your spreader.

When using a standard BBI pump supplied with your spreader, the PTO should
TURN THE INPUT SHAFT OF THE PUMP 1400 RPM.

For example:

If your truck's **ENGINE TURNS 2000 RPM** at the speed you will be spreading, then you will need a **70%** PTO output shaft speed percentage to turn the **PUMP 1400 RPM**.

Special hydraulic pumps are also available from BBI to accommodate a PTO that is moderately faster or slower than recommended.