



A Division of Transportation Equipment Inc.



## Pulltarps Super Slider Bow Tarping System

10/20/09

OPERATING DESIGN: Tarpaulin shall deploy manually or electrically by way of attachment to a continuous cable, without using any pivots or arms attached to the side of the dump body. Complete tarping function to be performed from ground level. Tarp system shall come with all hardware required to install on applications having a square flat mounting location. Nuts, bolts, brackets and hardware shall be zinc plated or otherwise coated to prevent rust.

A. TARPAULIN MECHANISM: Bow system to consist of the following:

A.1 Shall be continuous cable driven.

A.1.1 Tarpaulin shall be extended and retracted by means of a moving single steel cable traveling from the left side (drivers side) to the right side (passengers side) of the trailer.

A.1.1.2 Cable will transition from side to side via enclosed pulley boxes attached to the front of the trailer. A full width stainless steel or aluminum metal cover will complete the enclosure of the pulley boxes at the front of the trailer.

A.1.1.3 Cable will transition at the rear of each side of the trailer by way of four-inch diameter steel pulleys with heavy duty sealed bearings. Pulleys are provided with mounting blocks, guards and hardware.

A.2 Tarpaulin shall be supported by bows formed from galvanized or otherwise plated steel tubing.

A.2.1 Tarpaulin shall attach to the bows by way of fabric pockets sewn into the tarpaulin at intervals sufficient to support the fabric over the opening to be covered.

A.2.2 Bows shall be anchored to sliders made of UHMW by means of self-tapping screws.

A.3 Bow sliders shall ride on the top surface of the top rail of the trailer. Lateral alignment shall be maintained by the portion of the slider that extends down a minimum of five inches from the outside edge of the top rail surface.

- A.3.1 The two sliders attached to the bow at the rear of the tarpaulin shall be attached to the drive cable by way of two positive retention cable clamps.
- A.4 Drive is provided by means of either electric motor or manual hand crank.
  - A.4.1 Electric drive is transferred to the drive pulley and cable by means of a 12 or 24 volt D.C. motor. Motor requirements are a minimum 12 volt , 30 amp D.C. service or 24 volt , 15 amp D.C. service provided by a minimum 6 gauge copper wire.
  - A.4.2 Manual drive is transferred to the drive pulley and cable by means of a steel hand crank assembly. The handle on the crank folds flat against the crank when not in use.
- B. Tarpaulin Fabric: Tarpaulin fabric shall consist of one of the following:
  - B.1. 18-ounce vinyl coated nylon fabric. Tarpaulin fabric shall be impermeable to water or moisture, and shall be resistant to mildew and ultra violet light. Tarpaulin fabric shall withstand normal handling and placement at temperatures from -35 degrees Fahrenheit to 375 degrees Fahrenheit without endangering the structural integrity and serviceability of the fabric.
  - B.2. Heavy duty open weave black or red PVC coated polyester mesh.
  - B.3. Tarpaulin Construction: Double-lock stitching.
- C. Warranty:
  - C.1 UHMW sliders are lifetime guaranteed against wear out.
  - C.2 All moving parts (except drive cable) carry a one year guarantee.
  - C.3 Electric motor carries a three year prorated warranty.
  - C.4 Misuse, abuse and improper installation will void all warranties.