

## **Corrections Laundry - 53' Dry Van Delivery Trailer**

**Statement of Intent:** The intention of these specifications is to describe dry freight van body trailers to be used by the Pennsylvania Department of Corrections to haul laundry/freight throughout Pennsylvania. These trailers will be used with forklifts and shall be outfitted accordingly. These specifications are considered to be minimum requirements. The finished trailer shall be compliant with all current Federal DOT and Pennsylvania Laws and Regulations, as well as Federal Motor Vehicle Safety Standards.

**Model Year:** 2019 or Current Model Year.

**GVWR:** 68,000 lbs.

### **Geometric Dimensions**

**Serial Plate:** U.S. Certification Plate

**Overall Height:** 12' 6"

**Overall Length:** 53' 0"

**Overall Width:** 102.36"

**Upper Coupler Height:** 47"

**Kingpin Location:** 36.00"

**Landing Gear Location:** 98.5" From Kingpin

**Wedge:** .50" Wedge

**Undercarriage Design:** Tandem Axle, Air-Slide, Air Ride Suspension, 49" Axle Centers

### **Front**

**Front Corner Type:** 6" Radius

**Front Corner Sheet:** Aluminum 0.050"

**Front Corner Protectors:** None

**Front Sheets:** Aluminum, 0.050"

**Front Upright:** Six (6) 16ga STL, 2.5" Hats

**Front Vents:** None

**Tracking System:** None

**Electrical Connector and Gladhand Location:** Offset Roadside, Overlaid

**Hose Couplers (Gladhands):** Control and Supply with Red / Blue Urethane Seals

**In-Line Air Filter:** None

**Document Holder:** Standard Located At Roadside Front

**Aerodynamic Fairings: Front** None

**Anti-Nose-Dive Device:** Offset Curbside on Front

### **Side Exterior and Structural**

**Side Sheet Material:** Aluminum 0.050"

**Side Sheet Texture:** Flat

**Side Post Type:** Hat, Aluminum 1.13"

**Side Post Spacing:** 24" Centers

**Extra Side Posts:** None

**Bottom Rail Fasteners:** 0.38" Aluminum Rivets

**Rub Rail Type:** Extruded Aluminum Rub-Rail, One (1)

**Rub Rail Location:** Approximately 19" above bottom of bottom rail.

**External Protection Package (Lift Pads):** None

### **Rear**

**Rear Frame Type:** Stainless Steel Roll-Up Door Frame

**Header Type:** Roll Up Door, Shallow

**Rear Liftgate:** Liftgate Preparation

**Rear Door Entry:** Rollup Door Seals Flush with Floor

**Rear Bumpers:** None

**Rear Impact Guard:** Carbon Steel Rear Impact Guard, Bolt on Vertical, Weld on Horizontal

**Dock Lock Bracing:** None

**Rear Bottom Rail Reinforcing:** Stainless Steel Reinforcement

**Tag Bracket Location:** Standard

### **Rear Liftgate**

**Liftgate Preparation:** Thieman 4000 lb. tuck away lift gate. standard factory prep.

### **Rear Doors**

**Rear Door Type:** Rollup Rear Door, Whiting, Plastic-Faced

**Door Track Protector:** Stainless Steel 3/16" x 48" Door Track Protector

### **Roof Options**

**Roof Bows:** 1" Galvanized Steel, 24" Centers

**Roof Sheet:** 0.075" ETR Fiberglass

### **Floor**

**Type of Floor:** Alum Dry Cargo 1.31" Heavy Duty Smooth Non Welded w/o nail strips

**Threshold Plate:** Aluminum Treadplate 0.125" x 27"

**Floor Cargo Restraint Type:** None

**Miscellaneous:** Install a pair of drains in the front of the coupler and a pair at the rear. both to have a pipe and a kazoo.

## **Lining / Scuffband**

**Side Lining:** 0.100" Puncture Guard, Lining to be one (1) Piece.

**Front Lining:** 0.75" Pine Plywood, Full Height

**Ceiling Lining:** None

**Rear Door Lining:** Rollup Rear Door Lining

**Unit Numbers on Lining:** per decal package, installed on curb side.

**Rows of Front Scuffband:** 1 Row

**Rows of Side Scuffband:** 1 Row

**Quantity of Rows of Logistic track:** 2 Rows Horizontal

## **Scuff/Logistic Track**

**Type of Front Scuffband:** 12" Galvanized Steel, 18 Gauge

**Front Scuffband Location:** Installed at Floor Level

**Front Scuffband Position:** Overlaid

**Side Scuffband Position (Row One):** No Lining behind Scuff band, Lining up to top rail

**Type of Track and Length:** "A" Overlaid On Lining, Full Length, Each Side

**Track Height (First Row):** 36" Floor to Centerline

**Track Height (Second Row):** 48" Floor to Centerline

**Miscellaneous:** "A" Track and corrugated scuff to be overlaid on top of 48" tall .20 PG scuff which is overlaid on the .10" PG side lining. Send Layout drawing for approval.

## **Understructure**

**Upper Coupler Type:** 3.50" Channel

**Bottom Plate Thickness:** 0.31" with Stainless Rolled-Lip

**Landing Gear:** Holland Mark V No-Lube, 10yr Vendor Warranty, No Substitute.

**Landing Gear Foot / Shoe Type:** 10" X 12" Cushion Foot

**Landing Gear Handle Location:** Roadside

**Landing Gear Lube System:** No Special Lube System

**Tire Carrier:** None

**Special Floor Rating:** None

**Crossmembers, Ahead of Landing Gear:** Steel Hat Type on 12" Centers, 2" Deep

**Crossmembers, Over Landing Gear:** 4" Steel I-Beam on 12" Centers

**Bay Area Crossmembers:** 4" Steel I-Beam on 12" Centers

**URG Crossmembers:** 4" Steel I-Beam on 12" Centers

**Extra Crossmembers at Rear:** 8" centers Last 8' of Body (3 extra typical)

## **Aerodynamic Devices**

**Aerodynamic Fairings, Skirts:** Strehl Brand Trailer Blade, Flat Panel. No Substitute.

## **Suspension**

**Model of Suspension:** Hendrickson HKANT40K suspension piped in place. No Substitute.

**Axle Type:** Hendrickson/Bendix Disc Brake Parallel Spindle Std. Wall. No Substitute.

**Bogie Location:** Make sure there is proper clearance for gate install.

**Dump Valve:** Surelok Feature. No Substitute.

## **Mud Flaps**

**Mud flap Quantity/Bracket Material:** 1-Pair, Anti-Sail.

**Mud flap Mounting Location:** On Undercarriage

## **Brakes, Tire Inflation Systems and Wheel Ends**

**Brake Size:** Furnished With Disc Brake System

**Brake Actuators:** Furnished With Disc Brake System

**Brake Lining:** Furnished With Disc Brake System

**Brake Shoe Type:** Furnished With Disc Brake System.

**Brake Adjusters:** Furnished With Disc Brake System

**Dust Shield Type:** Furnished with Disc Brake

**Tire-Inflation-System/Tire/Wheel Options:** Hendrickson Tiremax Pro. No Substitute.

**Tire Inflation System Pressure:** Standard Pressure Setting

**Hubdrometer:** Matched to Tire Size & Wheel. Loc. Roadside, Front. Stemco Brand preferred.

**Wheel Seals:** Furnished With Disc Brake System

**Axle Spindle Nuts:** Furnished With Disc Brake System

**Hubcaps:** Hubcap to Accommodate Tire Inflation System – One to Accommodate Hubdrometer

(L.F. Wheel)

**Wheel Lubricant:** Non-Synthetic Oil Furnished With Disc Brake System

**Anti-Lock Brakes:** Bendix 2S/1M TABS6. No Substitute.

**Brake Valves:** Bendix SR-5. No Substitute.

**Air-Tank Drain Valve:** Manual

## **Tires / Wheels / Hubs and Drums**

**Rim/Disc Wheel Size:** 22.5" X 8.25"

**Hub/Wheel and Drum:** Dressed Wheel End System, 10 Stud Hub Piloted Iron Hubs, With Rotors for Disc Brakes

**Wheel Type:** 22.5" Aluminum Disc Wheel, Hub Piloted

**Wheel Stud Options:** Long Studs for Future Alum Wheels

**Wheel Spacer (Corrosion Barrier):** Spacer between Hub and Disc Wheel

**Tire Size:** 275/80R 22.5

**Tire Brand:** Michelin XLET (G). No Substitute.

**Spare Tire:** None

## **Electrical**

**Exterior Light Package:** All Lights LED, Grote Long Life Light System, Grote MicroNova Dot Lamps or Trucklite Brand.

**Electrical Connector Type:** Standard 7-Way, Solid Pins, Large Box

**Front Top Rail Lights Location:** 1 each Top Mounted on Side Roadside and Curbside

**Buckplate Light Type:** Grote Series 40, LED Flange Mount or Trucklite Brand.

**Buckplate Lights Qty. & Location:** 2 Each Side

**Stainless Theft-Resistant Flange for LED Lamps:** Installed on Buckplate lamps with Stainless Rivets

**Rear Header Light Locations:** Center Cluster of 3 with 1 Each Side Outboard Corner, Dual Intensity Brake/Turn Signal Indication

**Top and Bottom Side Marker Lamps/Location:** 5 Each Side Top and Bottom Rail Evenly Spaced (Midship turn lamp counts as one of the five on bottom when present)

**Midship Turn Signal:** Grote or Trucklite LED Combination Turn and Clearance

**Location of Side Turn Signal:** Roadside and Curbside, Center of Trailer

**Installation of Turn Signal:** Install Below Bottom Rail

## **Electrical Interior**

**Dome Light Quantity:** 3 Dome lights

**Dome Light Vendor/Type:** Grote or Trucklite Rectangular LED

**Dome Light Location Width-wise:** Centered in Ceiling

**Dome Light Location Length-wise:** Evenly Spaced

**Mounting Position Reference Points:** Measured Front to Roll Up Door in up-position

**Dome light Switch Qty. / Type / Loc:** Two Switches, Nose Mounted Programmable Timer (initially 40 Minutes) and Interior Curbside Rear

## **Finish/Paint/Decal**

**Front Finish:** Pre-Painted White

**Side Finish:** Pre-Painted White

**Rivet Color:** Unpainted

**Top Rail Paint:** None

**Bottom Rail Paint:** None

**Rear Frame Finish:** None (Stainless Steel)

**Rear Door Finish:** Pre-Painted White

**Undercarriage Finish:** Black coating (corrosion-resistant)

**Wheel Finish:** Standard Bright Polish

**Upper Coupler Finish:** Standard Coating

**Landing Gear Finish Black:** (corrosion-resistant) coating

**Upper Running Gear Finish:** Standard Coating

**Conspicuity Treatment Location:** on Side Sheet & Rear Door, and ICC Bumper.

**Installation of Customer Decals:** Install customer furnished decals per Pennsylvania Correctional Industries specs.



***Miscellaneous:***

Mask off all zerk fittings for corrosion-resistant coating application.

supply five (5) e-trac load locks per trailer.