

Corrections Laundry - 45' 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 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: 2024 or current model year.

GVWR: 68,000 lbs.

Geometric Dimensions

Serial Plate: U.S. Certification Plate

Overall Height: 12' 6"

Overall Length: 45' 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

Miscellaneous: Side Lining to be 1 Piece Puncture Guard.

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)

Suspension

Model of Suspension: Hendrickson HKANT23 suspension piped in place. No Substitute.

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

Bogie Location: 70" from rear. 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 TIREMAAX PRO. No Substitute.

Tire Inflation System Pressure: Standard Pressure Setting

Hubodometer: 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 Hubodometer
(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 or Trucklite Series 40, LED Flange Mount.

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: Trucklite or Grote 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: Trucklite or Grote 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.