

Corrections Commissary - 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 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 DOT and Pennsylvania laws and regulations, as well as Federal Motor Vehicle Safety Standards.

Model Year – 2020 or current model year

GVWR: 68,000

Geometric Dimensions

Serial Plate: U.S. Certification Plate

Overall Height: 13' 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 Sheets: Aluminum, 0.050"

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

Front Vents: None

Electrical Connector and Gladhand Location: Offset Roadside, Overlaid

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

Document Holder: Standard at Roadside Front

Aerodynamic Fairings: Front None

Side Exterior and Structural

Side Sheet Material: Aluminum 0.050"

Side Sheet Texture: Flat

Side Post Type: Logistic, 0.83" Sgl-Punch "A" (14 Gauge)

Side Post Spacing: 24" Centers

Bottom Rail Fasteners: 0.38" Aluminum Rivets

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

Rub Rail Location: APPROXIMATELY 19" ABOVE THE BOTTOM OF THE BOTTOM RAIL.

Rear

Rear Frame Type: Stainless Steel Roll Up Door Frame

Header Type: Roll up Door, Shallow

Rear Lift gate: None

Rear Door Entry: Rollup Door Seals on Buck plate

Rear Bumpers: Rubber Dock Bumper

Rear Impact Guard: Stainless Steel Rear Impact Guard, Bolt on Vertical, Weld On Horizontal

Dock Lock Bracing: None

Rear Access System: Fixed-Step Curbside and Recessed Handhold Curbside

Rear Bottom Rail Reinforcing: Stainless Steel Reinforcement

Tag Bracket Location: Standard

Rear Door

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

Rollup Door Locking Device: None

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

Roof

Roof Bows: 1" Galvanized Steel, 24" Centers

Roof Sheet: 0.075" XLR Fiberglass

Floor

Type of Floor: Hardwood, Lam. 1.38" Pro-lam w/ Polyurethane Undercoating Full Length

Quantity of Wood Floor Screws: 3 Screws per Board

Hardwood Floor Finish: Paraffin waxed coating - Rear 8'

Threshold Plate: Steel Diamondette or Steel Diamond Plate, 0.125" x 27"

Lining / Scuffband

Side Lining: 0.100" Puncture Resistant Fiberglass Lining

Front Lining: Full Height, 0.100" Puncture Resistant Fiberglass Lining

Ceiling Lining: None

Rear Door Lining: Rollup Rear Door Lining

Rows of Front Scuffband: 1 Row

Rows of Side Scuffband: 1 Row

Sidewall Cargo Restraint: None

Quantity of Rows of Logistic track: 3 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

Type of Side Scuffband (Row One): 12" Galvanized Steel 18 gauge

Scuffband Location (Row One): Installed at Floor Level

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): 60" Floor to Centerline

Track Height (Third Row): 76" Floor to Centerline

Understructure

Upper Coupler Type: 3.50" Channel

Bottom Plate Thickness: 0.31" with Stainless Rolled-Lip

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

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

Landing Gear Handle Location: Roadside

Landing Gear Lube System: Standard Lube System

Tire Carrier: 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, No Substitute.

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

Locking Mechanism: Air-Assist Pin Release

Dump Valve: Surelok Feature, No Substitute.

Rear Ramps and Mud Flaps

Mud Flaps: Anti-Sail, Standard Black

Mud Flap Quantity/Bracket Material: 1-Pair

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

Axle System Lube Type: None

Wheel Seals: Furnished with Disc Brake System

Axle Spindle Nuts: Furnished with Disc Brake System

Hubodometer: Matched to Tire Size and Wheel. Located on LF Wheel.

Hubcaps: Hubcap to Accommodate Tire Inflation System, One to Accommodate Hubodometer

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" Polished 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: 275/80R22.5

Tire Brand/Type: 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 Pin

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

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

Buckplate Lights Qty. & Locations: 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 Indication & Turn Signal

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

Midship Turn Signal: Grote or Trucklite Brand, LED Combination Turn and Clearance

Location of 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 Rectangular or Trucklite Brand. LED

Dome Light Location: Center in Ceiling, Evenly Spaced length-wise, Measuring Front to Roll-Up Door in up-position

Dome Light Switch: Two Switches, nose Mounted Programmable Timer 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 Polish Inboard, Mirror Polish Dish Side Outboard

Upper Coupler Finish: Standard Coating

Landing Gear Finish-Black: Corrosion-Resistant Coating

Upper Running Gear Finish: Standard Coating

Conspicuity Treatment Location: On Side Sheet, and Read Door & ICC Bumper

Miscellaneous

MASK ALL ZERK FITTINGS FOR CORROSION-RESISTANT APPLICATION.

APPLY NEVER SEIZE TO ALL MARKER/CLEARANCE LIGHTS.

FLOOR BRAND – PROLAM

FLOOR TYPE – HARDWOOD LAMINATED 1.38 PROLAM WITH PUR POLYURETHANE UNDERCOATING FULL ENGT.