

2026

Jefferson County Specification
Cab Chassis for Sign Truck

2026

AXLE CONFIG:	4X2
APPLICATION:	Stake Flat
MISSION:	Requested GVWR: 29000. Calc. GVWR: 31300. Calc. GCWR: 50000 Calc. Start / Grade Ability: 50.69% / 3.99% @ 55 MPH Calc. Geared Speed: 78.8 MPH
DIMENSION:	Wheelbase: 232.00, CA: 156.00, Axle to Frame: 100.00 (TBD before order)
ENGINE, DIESEL:	{Cummins L9 330 } EPA 2024, 330HP @ 2200 RPM, 1000 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 330 Peak HP (Max) or equivalent engine.
TRANSMISSION, AUTOMATIC:	{Allison 3500 RDS} 6th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway or equivalent transmission.
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NONDRIVING:	{Meritor MFS-12-122A} I-Beam Type, 12,000-lb Capacity Set Back axle.
AXLE, REAR, SINGLE:	{Dana Spicer S140} Single Reduction, 21,000-lb Capacity, R Wheel Ends Gear Ratio: 4.56
CAB:	Conventional 6-Man Crew Cab
TIRE, FRONT:	(2) 255/70R22.5 Load Range H HSR2 SA (CONTINENTAL), 565 rev/mile, 75 MPH, All-Position
TIRE, REAR:	(4) 255/70R22.5 Load Range H HDR (CONTINENTAL), 565 rev/mile, 81 MPH, Drive
SUSPENSION, REAR, AIR, SINGLE:	Air ride 21,000-lb Capacity, 9.25" Ride Height, with Shock Absorbers Mounted Outside the Rails
PAINT:	Cab schematic 100WP Location 1: 2303, Red Chassis schematic N/A

Base Chassis SBA with 232.00 Wheelbase, 156.00 CA, and 100.00 Axle to Frame.

AXLE CONFIGURATION

AXLE CONFIGURATION 4x2

Notes

ENGINE

ENGINE, DIESEL {Cummins L9 330} EPA 2024, 330HP @ 2200 RPM, 1000 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 330 Peak HP (Max) or equivalent engine.

EMISSION, CALENDAR YEAR {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2025

CARB EMISSION WARR COMPLIANCE Does Not Comply with CARB Emission Warranty

CARB IDLE COMPLIANCE Does Not Comply with California Clean Air Idle Regulations

EPA IDLE COMPLIANCE Low NOx Idle Engine, Complies with EPA Clean Air Regulations; Includes "Certified Clean Idle" Decal on Hood

VEHICLE REGISTRATION IDENTITY ID for Non-CARB Omnibus and/or Non-ACT Adopting State or Exempt Vehicle. Not for use on vehicles registering in CA/MA /OR/NJ/NY/WA. Contains non-mitigated legacy engine & cannot be registered in CA unless exempt. You may be held liable under state law for failure to properly register vehicle.

Notes

: CANNOT BE REGISTERED IN CA. For vehicles that will be registered in States other than CA.

RADIATOR Aluminum, 3-Row, Down Flow, Front to Back System, 837 SqIn Louvered, with 477 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler

FAN DRIVE {Horton Drivemaster} Automatic On/Off Type, with Normally Closed Temperature Control

Includes

: FAN Nylon

AIR CLEANER Single Element, Fire Retardant Media

ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection

ENGINE CONTROL, REMOTE MOUNTED No Provision for Remote Mounted Engine Control

FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted

HOSE CLAMPS, RADIATOR HOSES {R.G. Ray Mini Flex Seal} Coil Spring/"T"-Bolt Constant Torque Type, for Radiator Hoses over 1" I.D.

THROTTLE, HAND CONTROL Engine Speed Control for PTO; Electronic, Mobile, Variable Speed; (Range 2 to 20 MPH) Mounted on Steering Wheel

TRANSMISSION

TRANSMISSION, AUTOMATIC {Allison 3500 RDS} 6th Generation Controls, Wide Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway or equivalent transmission.

TRANSMISSION TCM LOCATION Located Inside Cab

ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223

NEUTRAL AT STOP OMIT

PTO LOCATION Customer Intends to Install PTO at Left Side of Transmission

SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming

TRANSMISSION OIL Synthetic; 29 thru 42 Pints

TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission

CLUTCH

CLUTCH Omit Item (Clutch & Control)

REAR AXLES, SUSPENSIONS

AXLE, REAR, SINGLE {Dana Spicer S140} Single Reduction, 21,000-lb Capacity, R Wheel Ends . Gear Ratio: 4.56

SUSPENSION, REAR, AIR, SINGLE 21,000-lb Capacity, 9.25" Ride Height, with Shock Absorbers Mounted Outside the Rails

AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 1 thru 29.99 Pints

SUSPENSION AIR CONTROL VALVE Pressure Release Control In Cab

FRONT AXLES

AXLE, FRONT NON-DRIVING {Meritor MFS-12-122A} I-Beam Type, 12,000-lb Capacity

FRONT SUSPENSIONS

SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 12,000-lb Capacity, with Shock Absorbers

Includes

: SPRING PINS Rubber Bushings, Maintenance-Free

Notes

: In combinations where chassis component weights may cause a chassis lean, a spring is used in front right spring pack to offset this imbalance & provide a level chassis, within 3/8", with body installed.

CABS, COWLS, BODIES

CAB Conventional 6-Man Crew Cab

Includes

: CLEARANCE/MARKER LIGHTS (5) Flush Mounted

ACCESS, CAB Steel, Driver & Passenger Sides, Two Steps per Door, for use with Crew Cab

AIR CONDITIONER with Integral Heater and Defroster

ARM REST, LEFT, PASSENGER SEAT

ARM REST, RIGHT, DRIVER SEAT

CAB INTERIOR TRIM for Crew Cab

Includes

: CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger

: DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Reading Lights; Integral to Overhead Console, Center Mounted

: SUN VISOR (3) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Vanity Mirror and Toll Ticket Strap, plus 1 Auxiliary Visor (Front Only), Driver Side

CAB REAR SUSPENSION Air Suspension, for Mid Cab Height

FRESH AIR FILTER Attached to Air Intake Cover on Cowl Tray in Front of Windshield Under Hood

GAUGE CLUSTER Premium Level; English with English Electronic Speedometer

Includes

: GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for

: GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure or Auxiliary Air Pressure (if Air Equipped)

: WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure, Primary and Secondary (if Air Equipped)

GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} Mounted in Instrument Panel

GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission

GRAB HANDLE, EXTERIOR (2) Chrome, Towel Bar Type, with Anti-Slip Rubber Inserts, for Cab Entry Mounted Left and Right Side at B-Pillar

GRAB HANDLE, ADDITIONAL EXT (2) Chrome, Towel Bar Type, with Anti-Slip Rubber Inserts, Mounted Left and Right Side, Rear of Rear Doors, for Crew Cab

HOSE CLAMPS, HEATER HOSE {Breeze} Belleville Washer Type

INSTRUMENT PANEL Flat Panel

IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster

LOW WASHER FLUID INDICATOR

MIRRORS (2) Aero Pedestal, Power Adjust, Heated, Turn Signals, Bright Heads, Black Arms, 6.5" x 14" Flat Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width

Notes

: Mirror Dimensions are Rounded to the Nearest 0.5"

MIRROR, CONVEX, HOOD MOUNTED (2) Right and Left Sides, Breakaway, Bright, Heated

SEAT BELT All Red; 4 to 6

SEAT, DRIVER {National 2000 195} Air Suspension, High Back with Integral Headrest, Vinyl, Isolator, 8" Adjuster, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, 6-23 Degree Seat Back Angle Adjust, Dual Shocks

SEAT, PASSENGER {National 2000} Air-Suspension, High Back with Integral Headrest, Vinyl, Isolator, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Adjustment, Dual Shocks

SEAT, REAR INDIVIDUAL BUCKET seats, no air

SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color, with Integral Clearance/Marker Lights

WINDOW, POWER (4) And Power Door Locks, Front and Rear Doors, Left and Right, Includes Express Down Feature

FRAMES

FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.250" x 3.610" x 0.375" (260.4mm x 91.7mm x 9.5mm); 456.0" (11582mm) Maximum OAL BUMPER, FRONT Contoured, Steel, Chrome Plated

CROSSMEMBER, REAR, AF Omit

TOW HOOK, FRONT (2) Frame Mounted

LICENSE PLATE HOLDER Includes Upper & Lower Mounting Plate Hardware, Mounted in Existing Holes in Front Bumper

WHEELBASE RANGE 199" (505cm) Through and Including 254" (645cm)

BRAKES

BRAKE SYSTEM, AIR Dual System for Straight Truck Applications

Includes

: BRAKE LINES Color and Size Coded Nylon

: DRAIN VALVE Twist-Type

: GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster

: PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel

: PARKING BRAKE VALVE For Truck

: QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4

: SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6

AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System, with Automatic Traction Control

BRAKE, PARKING Manual Push-Pull Pneumatic Parking Brake

BRAKES, FRONT {Meritor 15X4 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 15" X 4", 13,200-lb Capacity

BRAKE CHAMBERS, FRONT AXLE {Haldex} 20 SqIn

SLACK ADJUSTERS, FRONT {Haldex} Automatic

BRAKES, REAR {Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle

BRAKE CHAMBERS, REAR AXLE {MGM TR3030LP3TSHD} 30/30 SqIn Spring Brake

SLACK ADJUSTERS, REAR {Haldex} Automatic

DUST SHIELDS, REAR BRAKE for Air Cam Brakes

AIR COMPRESSOR {Cummins} 18.7 CFM

AIR DRYER {Wabco HP} with Heater

AIR DRYER LOCATION Mounted Inside Engine Compartment, Right Side

AIR TANK LOCATION (3) : One Mounted Parallel Under Left Rail, Back of Cab, Two Mounted Under Battery Box, Outside Left Rail, Under Cab

STEERING

STEERING GEAR {Sheppard M100} Power

STEERING COLUMN Tilting and Telescoping

STEERING WHEEL 4-Spoke; 18" Dia., Black Leather Wrapped

DRIVELINES

DRIVELINE SYSTEM {Dana Spicer} 1710, for 4x2/6x2

EXHAUST SYSTEMS

EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Under Right Rail Back of Cab, Includes Single Short Horizontal Tail Pipe

ENGINE COMPRESSION BRAKE {Jacobs} for Cummins ISL/L9 or equivalent Engines; with Selector Switch and On/Off Switch

ELECTRICAL SYSTEMS

ELECTRICAL SYSTEM 12-Volt, Standard Equipment

Includes

- : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab
- : HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel
- : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
- : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
- : STARTER SWITCH Electric, Key Operated
- : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
- : TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature
- : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted
- : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
- : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
- : WIRING, CHASSIS Color Coded and Continuously Numbered

ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense

ANTENNA Shark Fin, Roof Mounted

BATTERY BOX Aluminum, with Plastic Cover, 25" Wide, 2-3 Battery Capacity, Mounted Left Side Under Cab in Back of DEF Tank

BATTERY CABLES with 1 Auxiliary Battery Post, Positive

BATTERY DISCONNECT SWITCH 300 Amp, Disconnects Charging Circuits, Locks with Padlock, Cab Mounted

BATTERY SYSTEM Maintenance-Free, (3) 12-Volt 2850CCA Total, Top Threaded Stud

BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Sleeper, Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn

CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses

CIGAR LIGHTER Includes Ash Cup

ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Combined Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake Accommodation Package with Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket

HEADLIGHTS Halogen, with Daytime Running Lights, Automatic Twilight Controlled

HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord

HORN, ELECTRIC (1) Trumpet Style

INDICATOR, LOW COOLANT LEVEL with Audible Alarm

LIGHT, WORK, MTD UNDER HOOD (2) LED, Activates with Hood Open

POWER SOURCE Cigar Type Receptacle without Plug and Cord

POWER SOURCE, ADDITIONAL Auxiliary Power Outlet (APO) with USB-A Port and USB-C Port, Located in the Instrument Panel

RADIO AM/FM/WB/SiriusXM/Clock/Bluetooth/USB Input/Auxiliary Input

RADIO, STEERING WHEEL CONTROLS Mounted in Steering Wheel, Radio Function Control Switch, Includes Volume Up/Down, Mute, Forward/Back and Bluetooth Answer/Disconnect

SPEAKERS (2) 6.5" Dual Cone Mounted in Both Doors, (2) 5.25" Dual Cone Mounted in Both B-Pillars

STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start

SWITCH, TOGGLE, FOR WORK LIGHT Lighted; on Instrument Panel and Wiring Effects for Customer Furnished Back of Cab Light

TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights

USB PORT One USB-A Port and One USB-C Port, Located in Instrument Panel

VIDEO CAMERA WIRING Pre-Wire Only, for DriveCam Driver Monitoring System; Battery/Ignition Power and Vehicle Data Provided for Installer, Located in Center Panel, for Use with DC3P Camera

FRONT END

FRONT END Tilting, Fiberglass, with Three Piece Construction, Dual Air Intakes

BUG SCREEN Mounted Behind Grille and Bumper Grille

FENDER EXTENSIONS Painted

GRILLE Molded in Black, with Chrome Surround

LOGOS EXTERIOR Model Badges

LOGOS EXTERIOR, ENGINE Badges

SPEEDOMETER, TOOLS, MISC

FIRE EXTINGUISHER 5 lb Class A B C

FIRE EXTINGUISHER BRACKET Mounted Left Side Driver Seat

MUD FLAPS, FRONT WHEELS (2) Rubber, Mounted on Fender Extension

PAINT SCHEMATIC, PT-1 Single Color, Design 100

Includes

: PAINT SCHEMATIC ID LETTERS "WP"

PAINT TYPE Base Coat/Clear Coat, 1-2 Tone

PROMOTIONAL PACKAGE Government Silver Package SAFETY

TRIANGLES

FUEL TANKS

FUEL TANK Top Draw, Non-Polished Aluminum, D-Style, 19" Tank Depth, 70 US Gal (265L), Mounted Right Side, Under Cab

DEF TANK 7 US Gal (26L) Capacity, Frame Mounted Outside Left Rail, Under Cab

FUEL TANK STRAPS Bright Finish Stainless Steel

FUEL/WATER SEPARATOR {Davco 245} 12 VDC Electric Heater, Includes Pre-Heater, Includes Water-inFuel Sensor

LOCATION FUEL/WATER SEPARATOR Mounted Under Hood, Left Side, Above Front Axle

WHEELS, TIRES - FRONT

WHEELS, FRONT {Accuride 43644} DISC; 22.5x8.25 Rims, Extra Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

(2) TIRE, FRONT 255/70R22.5 Load Range H HSR2 SA (CONTINENTAL), 565 rev/mile, 75 MPH, All-Position

WHEELS, TIRES - REAR

WHEELS, REAR {Accuride 43644} DUAL DISC; 22.5x8.25 Rims, Extra Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs

(4) TIRE, REAR 255/70R22.5 Load Range H HDR (CONTINENTAL), 565 rev/mile, 81 MPH, Drive

BODY INTEGRATION

BDY INTG, REMOTE POWER MODULE Mounted Inside Cab Behind Driver Seat, Up to 6 Outputs & 6 Inputs, Max 20 amp per Channel, Max 80 amp Total; Includes 1 Switch Pack with Latched Switches

BDY INTG, PTO ACCOMMODATION for (3) Latched Rocker Switches, (1) PTO Switch, (2) Generic Switches to Control (3) 30 amp relays, with Programmable Interlocks, for Body Builder Hook up in the Engine Compartment Left Side, Recommended for Automatic Transmissions

Cab schematic 100WP

Location 1: 2303, Red (Std) Chassis

schematic N/A

Services Section:

WARRANTY

WARRANTY Standard, Effective with Vehicles Built July 1, 2017 or Later, CTS-2020A

SRV CONT, EXT CUMMINS ENG/AFTR To 72-Month/150,000 Miles (240,000 km), Extended Cummins L9 Engine Coverage, Protection Plan 1 and Aftertreatment, (Truck Application Only)

1 additional year of engine diagnostic software. If Cummins, start the additional year 6/28/26.

1 complete set of belts & filters to service all filters on cab chassis.

1 spare front tire mounted on aluminum rim.

1 spare rear tire mounted on aluminum rim.

Any specification items not able to be met by bidder must be listed in detail below.