



COMMONWEALTH OF PENNSYLVANIA
PENNSYLVANIA COMMERCIAL ITEM DESCRIPTION (PCID)

Two Wheel Drive Commercial Vehicles
(Supersedes PCID 1106 eff. August 17, 2021)

PCID NO. 1106
Eff. October 2, 2025

1. **Scope:** This PCID covers two-wheel drive commercial-type vehicles commonly used by Agencies in the Commonwealth. Unless otherwise noted, the following shall indicate the minimum requirements including all genuine parts, accessories, equipment and safety features considered standard, whether mentioned herein or not.
2. **Classification:** The following vehicles are included in this PCID:

Class 2b, Type 1: Minimum 9,350 lb. GVWR, Two Wheel Drive, Single Rear Wheel, Cutaway Cab and Chassis with Optional Bodies

Class 3, Type 1: Minimum 11,500 lb. GVWR, Two Wheel Drive, Dual Rear Wheel, Cutaway Cab and Chassis with Optional Bodies

Class 4, Type 1: Minimum 14,500 lb. GVWR, Low Cab Forward, Two Wheel Drive, Dual Rear Wheel, Cab and Chassis

Class 5, Type 1: Minimum 19,000 lb GVWR, Two Wheel Drive, Gasoline Engine, Regular Cab & Chassis with Optional Van & Stake Bodies

Class 5, Type 2: Minimum 19,500 lb GVWR, Two Wheel Drive, Diesel Engine, Regular Cab & Chassis with Optional Van & Stake Bodies

Class 6, Type 1: Minimum 26,000 lb. GVWR Two Wheel Drive, Gasoline Engine, Regular Cab & Chassis with Optional Van & Stake Bodies

Class 6, Type 2: Minimum 26,000 lb. GVWR Two Wheel Drive, Gasoline Engine, Regular Cab & Chassis, with Dump Body

Class 6, Type 3: Minimum 26,000 lb. GVWR Two Wheel Drive, Gasoline Engine, Regular Cab & Chassis with Interchangeable Work Truck Bodies

Class 6, Type 4: Minimum 25,500 lb. GVWR Two Wheel Drive, Diesel Engine, Regular Cab & Chassis with Optional Van & Stake Bodies

Class 6, Type 5: Minimum 25,500 lb. GVWR Two Wheel Drive, Diesel Engine, Regular Cab & Chassis with Dump Body

- Class 6, Type 6: Minimum 25,500 lb. GVWR Two Wheel Drive, Diesel Engine, Regular Cab & Chassis with Interchangeable Work Truck Bodies
- Class 8, Type 1: Minimum 37,000 lb. GVWR Two Wheel Drive, Diesel Engine, Regular Cab & Chassis with Optional Bodies
- Class 8, Type 2: Minimum 39,000 lb. GVWR Two Wheel Drive, Diesel Engine, Regular Cab & Chassis with Optional Bodies
- Class 8, Type 3: Minimum 64,000 lb. GVWR Two Wheel Drive, Diesel Engine, Tandem Axle Cab & Chassis with Optional Bodies

3. **Applicable Documents:**

The following standards, or applicable parts of the issue in effect on date of Invitation-Bid Proposal, shall apply at the discretion of interested Commonwealth agencies.

Commonwealth of Pennsylvania Motor Vehicle Code
Federal Motor Vehicle Safety Standards
NTEA Dump Body and Conversion Hoist Chart

4. **Requirements:**

Vendor MUST BE an authorized dealer in the Commonwealth of Pennsylvania for the manufacturer of the truck/truck chassis. Any other bidders WILL NOT be considered.

Vendor MUST provide all equipment considered standard by the manufacturer/OEM. DO NOT consider "fleet credit options" in your proposal. (i.e. GM dealers MUST NOT delete OnStar Basics, RAM dealers must not delete interior trim). Fleet credit options should be considered with individual agencies at time of order.

Unless otherwise stated in the bid, delivery requirements and required equipment shall be in accordance with PCID 1067, General Requirements for Delivery of Vehicles, most current version in effect at the time and date of bid opening. In addition, the following items shall be included:

- 1) Three (3) Emergency reflective warning folding triangles in carrying case, mounted in conspicuous location (i.e. behind seat in regular cab configuration, under rear seat in all other configurations) accessible by driver (Ref: James King & Co Warning Triangle Mounting Bracket Kit Part #1005B1, Transportation Accessories Co. Part #NPN-13S or equivalent)
- 2) OSHA approved First aid kit, ten-person with mountable cabinet (Ref: First Aid Only 91322 or equal)
- 3) Fire extinguisher, 2A:10B:C, five-pound with automotive bracket, mounted in conspicuous location (i.e. behind seat in regular cab configuration, under rear seat in all other configurations)
- 4) Paint color to be selected by ordering agency from manufacturer's standard color choices.
- 5) Radial, all-terrain type tires.
- 6) Wired backup camera mounted in conspicuous location to provide driver unobstructed view of area behind vehicle

7) Bluetooth compatible audio system with minimum one (1) USB style port

5. **Material Master** – No Material Masters established for these commodities.

Quality Assurance Specialist: Gerald Grecek, CPPB

Quality Assurance Supervisor: Brian Vulgaris

Class 2b, Type 1: Minimum 9,350 lb. GVWR, Two Wheel Drive,
Single Rear Wheel, Cutaway Cab and Chassis with Optional Bodies

MECHANICAL:

- Minimum 3.5 Liter Six (6) Cylinder Gasoline Powered Engine
- Minimum 6-Speed Automatic Transmission with OD and Tow/Haul Mode
- Minimum 70-Amp/Hr Maintenance-Free Battery with Run Down Protection
- Minimum 220-Amp Alternator
- Minimum 9,350 lb. GVWR
- Minimum limited-slip differential
- Wheelbase and cab-to-axle compatible with specified body

EXTERIOR:

- Standard Front Bumper
- 16" Steel Wheels
- Four (4) All-Season Tires (Minimum "C" rating)
- Outside Power Adjustable Mirrors
- Trailer wiring provisions
- Back-Up Alarm
- Factory/OEM white finish

INTERIOR:

- Rubberized/Vinyl floor covering
- Front Driver and Passenger Bucket Seats
- AM/FM Stereo with Bluetooth Wireless Phone Capability
- Minimum one (1) USB port (aftermarket install if necessary)
- Backup Camera Display
- Tilt Steering Column & Cruise Control
- Power Door Locks and Windows
- Remote Keyless Entry with Four (4) Programmed Remote Transmitters/Keys
- B-Pillar trim option required on Ford E-series
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location

OPTIONS:

1. Cargo/Delivery/Dry Freight Van Body:

- Minimum 12' Length x 78" Height
- Composite panel or FRP construction in factory white finish
- FRP white bulkhead with minimum set back of 4"
- Cab access door
- Hardwood plywood floor
- Low, flat-top, wheelboxes to provide low-profile design and low floor height
- E-Track mounted at 24" and 48" on sidewalls
- Constructed of minimum 1-9/16" formed crossmembers

- Undercoated understructure
- Roof to be one-piece aluminum skin with anti-snap roof bows
- Full-width premium overhead roll-up rear door
- LED Interior Dome Light hot-wired with switch at rear of body and lighted switch on dash
- LED Clearance Lights
- LED Stop/Tail/Turn and backup lamps
- Grab handles on both sides of rear door
- Full-width rear step bumper with slip resistant
- Back up camera wired to in-cab display (wireless not acceptable)

2. Steel Service Van Upfit:

- Minimum 129" exterior length x 72" high
- Constructed from galvanized steel
- Double panel steel compartment door design
- Compartment doors to feature premium door seals
- Two lockable conduit chutes (one each side, opening to rear)
- Double rear cargo doors
- Interior compartments to feature factory/OEM standard shelving
- Cargo area with cab access door
- Two (2) interior LED dome lights with switch at rear and lighted switch at dash
- Power locking system
- Factory white finish
- LED Stop/Tail/Turn and backup lamps
- Grab handle inside rear cargo door at curbside
- Hitch recess bumper
- Minimum Class IV receiver hitch with 7-wire plug and safety chain eyes
- Back up camera wired to in-cab display (wireless not acceptable)
- Electric Brake Controller (Factory/OEM if available)

3. Aluminum Service Van Upfit:

- Minimum 129" exterior length x 72" high
- Aluminum construction
- Compartment doors to feature premium door seals
- Two lockable conduit chutes (one each side, opening to rear)
- Double rear cargo doors
- Interior compartments to feature factory/OEM standard shelving
- Cargo area with cab access door
- Two (2) interior LED dome lights with switch at rear and lighted switch at dash
- Power locking system
- Factory white finish
- LED Stop/Tail/Turn and backup lamps
- Grab handle inside rear cargo door at curbside
- Hitch recess bumper
- Minimum Class IV receiver hitch with 7-wire plug and safety chain eyes
- Back up camera wired to in-cab display (wireless not acceptable)
- Electric Brake Controller (Factory/OEM if available)

Class 3, Type 1: Minimum 11,500 lb. GVWR, Two Wheel Drive,
Dual Rear Wheel, Cutaway Cab and Chassis with Optional Bodies

MECHANICAL:

- Minimum 6.6 Liter Eight (8) Cylinder Gasoline Powered Engine
- Minimum 6-Speed Automatic Transmission with OD and Tow/Haul Mode
 - Auxiliary Transmission Oil Cooler required
- Minimum 78-Amp/Hr (750 CCA) Maintenance-Free Battery with Run Down Protection
- Minimum 220-Amp Alternator
- Minimum 11,500 lb. GVWR
- Locking or Limited-Slip Rear Axle
- Wheelbase and cab-to-axle compatible with specified body

EXTERIOR:

- Standard Front Bumper
- 16" Steel Wheels
- Six (6) All-Season Tires (Minimum "E" rating)
- Outside Power Adjustable Mirrors
- Trailer wiring provisions
- Back-Up Alarm
- Factory/OEM white finish

INTERIOR:

- Rubberized/Vinyl floor covering
- Vinyl Front Driver and Passenger Bucket Seats
- AM/FM Stereo with Bluetooth Wireless Phone Capability
- Minimum one (1) USB port (aftermarket install if necessary)
- Backup Camera Display
- Tilt Steering Column
- Cruise Control
- Power Door Locks and Windows
- Remote Keyless Entry with Four (4) Programmed Remote Transmitters/Keys
- B-Pillar trim option required on Ford E-series
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location

OPTIONS:

1. "LCB" Van Body:

- Minimum 12' Length
- Minimum 85.12" IH x 138.49" IL x 92.88" IW
- 3" I-beam crossmembers on 16" centers with 4" I-beam longrails
- Undercoated understructure
- FRP white bulkhead with minimum set back of 4" in gelcoat white
- .040 Aluminum pre-painted white (no exceptions)

- Aluminum hat post side walls on 16" centers
- E-Track post-mounted at 24" and 48" on sidewalls
- 1-1/8" Laminated hardwood floor, ship-lapped and pre-undercoated
- Roof to be one-piece aluminum skin with anti-snag roof bows
- 30" Roll up side door mounted at curbside foremost location with stepwell
- Rear premium overhead door opening minimum 88" W x 79.25" H
- LED Interior Dome Light hot-wired with switch at rear of body and lighted switch on dash
- LED Clearance Lights per FMVSS-108
- LED Stop/Tail/Turn and backup lamps
- Grab handles on both sides of rear door
- Full-width rear 10" drop step bumper, pooched for safety
- Aluminum reinforced slide out walkramp
- Back up camera wired to in-cab display (wireless not acceptable)
- Conspicuity tape installed
 - Both sides of body
 - Across bottom of rear door
 - Underride protector
 - (2) Inverted "L's" on upper outboard corners

2. Cargo/Delivery/Dry Freight Van Body:

- Minimum exterior dimensions 12' Length x 96" Wide x 91-3/8" Height
- Composite panel or FRP construction in factory white finish
- FRP white bulkhead with minimum set back of 4"
- Cab access door
- 1-1/8" Laminated hardwood floor (flat floor for maximized cargo space)
- E-Track mounted at 24" and 48" on sidewalls
- Constructed of minimum 1-9/16" formed crossmembers
- Undercoated understructure
- Roof to be one-piece aluminum skin with anti-snag roof bows
- Full-width premium overhead roll-up rear door
- LED Interior Dome Light hot-wired with switch at rear of body and lighted switch on dash
- LED Clearance Lights
- LED Stop/Tail/Turn and backup lamps
- Grab handles on both sides of rear door
- Full-width drop rear step bumper with slip resistant surface
- Back up camera wired to in-cab display (wireless not acceptable)

3. Steel Service Van Body:

- Minimum 129" exterior length x 75" exterior height
- Constructed from galvanized steel
- Double panel steel compartment door design
- Compartment doors to feature premium door seals
- Two lockable conduit chutes (one each side, opening to rear)
- Double rear cargo doors
- Interior compartments to feature factory/OEM standard shelving
- Cargo area with cab access door

- Two (2) interior LED dome lights with switch at rear and lighted switch at dash
- Power locking system
- Factory white finish
- LED Stop/Tail/Turn and backup lamps
- Grab handle inside rear cargo door at curbside
- Hitch recess bumper
- Minimum Class V receiver hitch with 7-wire plug and safety chain eyes
- Back up camera wired to in-cab display (wireless not acceptable)
- Electric brake controller in cab (Factory/OEM if available)

Class 4, Type 1: Minimum 14, 500 lb. GVWR, Low Cab Forward,
Two Wheel Drive, Dual Rear Wheel Cab and Chassis

MECHANICAL:

- Minimum 6.6 Liter Eight (8) Cylinder Gasoline Powered Engine
- Minimum 8-Speed Automatic Transmission
- Minimum 825 CCA Absorbed Glass Mat Battery in frame mounted battery box
- Minimum 14,500 lb. GVWR
- Limited-Slip Rear Axle
- Wheelbase and cab-to-axle compatible with specified body

EXTERIOR:

- Standard Front Bumper
- LED Headlamps
- 19.5” Steel Wheels
- Six (6) 225/70R19.5”G All-Season Tires
- Driver/Passenger Assist Steps
- Outside Driver/Passenger Mirrors with integral convex mirrors, heated, dual remote controls
- Remote Keyless Entry with Four (4) Programmed Remote Transmitters/Keys
- LED lighting cab exterior lighting
- Back-Up Alarm
- Factory/OEM white finish

INTERIOR:

- Rubberized/Vinyl floor covering
- Cloth front high back bucket driver and passenger reclining high back driver seat
- Single two-occupant fold down passenger seat
- Enhanced audio system with 7” diagonal touchscreen
 - AM/FM Stereo with seek-scan and digital clock
 - Bluetooth Wireless Phone Capability
 - Rear vision camera display
 - Minimum one (1) USB port
- Tilt Steering Column
- Cruise Control
- Power Door Locks and Windows
- Remote Keyless Entry with Four (4) Programmed Remote Transmitters/Keys
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location

OPTIONS:**1. Cargo/Delivery/Dry Freight Van Body:**

- Minimum exterior dimensions 18' Length x 96" Wide x 91-3/8" Height
- Composite panel or FRP construction in factory white finish
- 1-1/8" Laminated hardwood floor (flat floor for maximized cargo space)
- E-Track mounted at 24" and 48" on sidewalls
- Undercoated understructure
- Roof to be one-piece aluminum skin with anti-snap roof bows
- Full-width premium overhead roll-up rear door
- LED Interior Dome Light hot-wired with switch at rear of body and lighted switch on dash
- LED Clearance Lights
- LED Stop/Tail/Turn and backup lamps
- Grab handles on both sides of rear door
- Minimum 4" ICC Pooched Bumper
- Back up camera wired to in-cab display (wireless not acceptable)

2. Tuck-A-Way style liftgate for Van Body:

- 40" x 80" Wedge type aluminum platform
- Bolt on steps and extension plate
- Heavy duty dock bumpers
- 2,000-lb Capacity
- Dual Cart Stops

2. Steel Service Van Body:

- Minimum 127" exterior length x 75" exterior height
- Constructed from galvalume steel
- Double panel steel compartment door design
- Compartment doors to feature premium door seals
- Two lockable conduit chutes (one each side, opening to rear)
- Double rear cargo doors
- Interior compartments to feature factory/OEM standard shelving
- Two (2) interior LED dome lights with switch at rear and lighted switch at dash
- Power locking system
- Factory white finish
- LED Stop/Tail/Turn and backup lamps
- Grab handle inside rear cargo door at curbside
- Hitch recess bumper
- Minimum Class V receiver hitch with 7-wire plug and safety chain eyes
- Electric Brake Controller mounted in cab accessible to driver
- Back up camera wired to in-cab display (wireless not acceptable)

3. Steel Dump Body:

- Minimum 11' length, 94" width, 2-3 cu yd capacity for 84 CA
- Minimum 17" double panel rigid side wall with 10 ga inner panel and 12 ga outer panel
- Minimum 5" longitudinal construction with 3" crossmembers on 12" centers

- Minimum 10 ga floor
- Minimum 1/4 cabshield with window
- Minimum 23" rear height with full height corner posts
- Minimum 10 ga double-acting tailgate with center coal door
- Features boxed top rail and sloped, dirt-shedding, bottom rail on both sides and tailgate
- 6" Side board pockets at front and rear
- Factory black finish
- 9-ton class 40 double-acting scissor hoist pendant control in cab
- LED clearance and marker lights to meet current FMVSS standards
- LED Stop/Tail/Turn recessed in rear corner posts
- Back up camera to provide driver unobstructed view behind vehicle when in reverse operation
- Towing Package to include:
 - Minimum 1/2" Tow Plate
 - Class V rated 2-1/2" Receiver
 - D-Rings
 - 7-wire trailer plug
 - Electric brake controller in cab within reach of driver
- Amber Warning Light Package to include: (wired to factory/OEM switches)
 - Two flashing LED on front grille on separate switch for plowing operation (Ref: Whelen ION-T, or equal)
 - Two flashing LED on front of cab shield (Ref: Whelen ION-T, or equal)
 - Two flashing LED on side of cab shield (Ref: Whelen ION-T, or equal)
 - Two flashing LED on rear corner posts (ref: Whelen Vertex, or equal)
- Tarp system mounted on cab shield featuring:
 - 7" folding crank with detent
 - Tarp roller
 - 7' x 15' PVC-coated vinyl mesh tarp
 - Rear bar w/20' pull rope
- Steel pull out step for operator safety mounted streetside
- Grab handle mounted on cab shield on streetside
- Minimum 24 x 18 x 18 steel locking underbody toolbox mounted curbside
- Steel splash shields ahead of rear wheels
- Rear mudflaps with anti-sail device
- Body up light in cab
- Body prop

4. Steel Stake Body:

- Heavy-duty 12' x 96" (minimum) stake body
- Constructed with 7" structural long sills
- Formed minimum 11-gauge high strength cross members on 18" centers
- Undercoated understructure
- Factory standard wood floor
- Minimum 12-gauge high strength steel side and end rails
- 48" Weld-on style heavy duty reinforced rectangular bulkhead with window
- 40" high side steel stake racks with interlocking clips
- External rub rail on both sides and rear of platform

- LED clearance and marker lights to meet FMVSS 108
- LED stop/tail/turn
- Factory/OEM black finish
- Rear flaps with anti-sail brackets
- Back up camera to provide driver unobstructed view behind vehicle when in reverse operation
- 24”L x 18”H x 18” D Steel underbody toolbox mounted curbside front

7. Liftgate for Stake Body:

- 87” x 41” + 6” aluminum platform
- 1,600 lb. capacity
- Dual hydraulic lifting cylinders
- Maintenance-free components
- Full-enclosed hydraulic system
- Gravity down
- Galvanized finish
- Remote pendant control
- Rubber platform protection bumpers

Class 5, Type 1: Minimum 19,000 lb GVWR, Regular Cab, Gasoline Engine,
Two Wheel Drive Cab and Chassis with Van & Stake Bodies

MECHANICAL:

- Minimum 6.4 Liter Eight (8) Cylinder Gasoline Powered Engine
- Minimum 8-Speed Automatic Transmission
- Minimum Locking or Limited Slip Rear Differential
- Minimum 19,000-lb GVWR
- Dual Batteries **MUST** be provided if available from the manufacturer (Ford Dual, RAM Single)
- Dual Alternators (minimum 400 Amps combined)

EXTERIOR

- Front Frame Mounted Recovery Hooks
- Headlamps featuring Daytime Running Lamp functionality
- Heated, Outside Power Adjustable Trailer Tow Style Mirror w/Convex Spotter
- Factory/OEM Running Boards/Side Step
- Six (6) 19.5" Painted Steel Wheels
- Two (2) Front All-Season Tires
- Four (4) Rear All-Terrain or On/Off Road Tread Tires
- Back Up Alarm
- Skid Plate(s)

INTERIOR:

- Vinyl seat covering
- Rubberized/Vinyl floor covering
- AM/FM Stereo with Minimum 7" Touchscreen w/Backup Camera Display
- Bluetooth Wireless Phone Capability
- Minimum one (1) USB port
- Tilt Steering Column
- Cruise Control
- Remote Keyless Entry with Four (4) Programmed Remote Transmitters/Keys
- Manufacturer/OEM Integrated Brake Controller
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location

OPTIONS:**1. Dry Freight Van Body:**

- 16' Body length
- Minimum 97" overall height x 102" overall width
- Composite panel or FRP construction in factory white finish
- Fully welded anti-skid extruded aluminum inverted T floor with extruded scuff and glassboard subpan
- 24" high interior scuff on sides and front wall
- Two kazoo drains at front (one each corner)
- E-Track mounted at 24" and 48" on sidewalls

- Four (4) load bars for 102” wide body
- Undercoated understructure
- Roof to be one-piece aluminum skin with anti-snap roof bows
- Full-width premium overhead roll-up rear door
- Two (2) LED Interior Dome Light hot-wired with switch at rear of body and lighted switch on dash
- LED Clearance Lights
- LED Stop/Tail/Turn and backup lamps
- Grab handles on both sides of rear door
- DOT (ICC) under-ride bumper with side steps, closure plate and bumper blocks
- Back up camera wired to in-cab display (wireless not acceptable)

5. Liftgate for van body application:

- 3,000-lb capacity
- Aluminum 80 x 60 Wedge Style Platform
- Power down, self-leveling operation
- Toggle switch controls both sides accessible from ground
- Remote Pendant control
- Receptacle mounted inside curbside rear corner of box
- In-cab cut off switch
- Heavy Duty Dock Bumpers and Step
- Rear Impact Guard
- Dual Foot Activated Cart Stops
- Galvanized Undercarriage
- Greaseable pins

6. Steel Stake Body Upfit:

- Minimum 16’ x 100” heavy duty steel stake body
- Constructed with 7” structural long sills
- Minimum 11-gauge high strength formed cross members on 12” centers
- Undercoated understructure
- Factory standard wood floor
- Minimum 12-gauge high strength steel side and end rails
- Minimum 48” weld-on style heavy duty reinforced rectangular bulkhead with window
- Minimum 40” high side steel stake racks with interlocking clips
- External rub rail on both sides and rear of platform
- LED clearance and marker lights to meet FMVSS 108
- LED stop/tail/turn
- Factory/OEM black finish
- Rear mudflaps with anti-sail brackets
- ICC style under-ride prevention bumper constructed of 4” channel
- Steel 24” L x 18” H x 18” D underbody toolbox mounted curbside front
- Back up camera wired to in-cab display (wireless not acceptable)

7. Liftgate for stake body application:

- 84” x 40” + 6” aluminum two-piece folding platform
- Tuck-a-way design with 2,500 lb. capacity

- Power up/gravity down
- Steel frame work painted black
- Bolt on dock bumpers with adjustable steps
- Rear end protection
- Toggle switch control
- Torsion assist closing
- In-cab cut-off switch

Class 5, Type 2: Minimum 19,500 lb GVWR, Regular Cab, Diesel Engine,
Two Wheel Drive Cab and Chassis with Van & Stake Bodies

MECHANICAL:

- Minimum 6.6 Liter Six (6) Cylinder Diesel Powered Engine
- Minimum 6-Speed Automatic Transmission
- Minimum Locking or Limited Slip Rear Differential
- Minimum 19,500-lb GVWR
- Dual Batteries **MUST** be provided if available from the manufacturer (Ford Dual, RAM Single)
- Dual Alternators (minimum 340 Amps combined)

EXTERIOR

- Front Frame Mounted Recovery Hooks
- Headlamps featuring Daytime Running Lamp functionality
- Heated, Outside Power Adjustable Trailer Tow Style Mirror w/Convex Spotter
- Factory/OEM Running Boards/Side Step
- Six (6) 19.5" Painted Steel Wheels
- Two (2) Front All-Season Tires
- Four (4) Rear All-Terrain or On/Off Road Tread Tires
- Back Up Alarm
- Skid Plate(s)

INTERIOR:

- Vinyl seat covering
- Rubberized/Vinyl floor covering
- AM/FM Stereo with Minimum 7" Touchscreen w/Backup Camera Display
- Bluetooth Wireless Phone Capability
- Minimum one (1) USB port
- Tilt Steering Column
- Cruise Control
- Remote Keyless Entry with Four (4) Programmed Remote Transmitters/Keys
- Manufacturer/OEM Integrated Brake Controller
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location

OPTIONS:

1. Dry Freight Van Body:

- 16' Body length
- Minimum 97" overall height x 102" overall width
- Composite panel or FRP construction in factory white finish
- Fully welded anti-skid extruded aluminum inverted T floor with extruded scuff and glassboard subpan
- 24" high interior scuff on sides and front wall
- Two kazoo drains at front (one each corner)
- E-Track mounted at 24" and 48" on sidewalls

- Four (4) load bars for 102" wide body
- Undercoated understructure
- Roof to be one-piece aluminum skin with anti-snap roof bows
- Full-width premium overhead roll-up rear door
- Two (2) LED Interior Dome Light hot-wired with switch at rear of body and lighted switch on dash
- LED Clearance Lights
- LED Stop/Tail/Turn and backup lamps
- Grab handles on both sides of rear door
- DOT (ICC) under-ride bumper with side steps, closure plate and bumper blocks
- Back up camera wired to in-cab display (wireless not acceptable)

5. Liftgate for van body application:

- 3,000-lb capacity
- Aluminum 80 x 60 Wedge Style Platform
- Power down, self-leveling operation
- Toggle switch controls both sides accessible from ground
- Remote Pendant control
- Receptacle mounted inside curbside rear corner of box
- In-cab cut off switch
- Heavy Duty Dock Bumpers and Step
- Rear Impact Guard
- Dual Foot Activated Cart Stops
- Galvanized Undercarriage
- Greaseable pins

6. Steel Stake Body Upfit:

- Minimum 16' x 100" heavy duty steel stake body
- Constructed with 7" structural long sills
- Minimum 11-gauge high strength formed cross members on 12" centers
- Undercoated understructure
- Factory standard wood floor
- Minimum 12-gauge high strength steel side and end rails
- Minimum 48" weld-on style heavy duty reinforced rectangular bulkhead with window
- Minimum 40" high side steel stake racks with interlocking clips
- External rub rail on both sides and rear of platform
- LED clearance and marker lights to meet FMVSS 108
- LED stop/tail/turn
- Factory/OEM black finish
- Rear mudflaps with anti-sail brackets
- ICC style under-ride prevention bumper constructed of 4" channel
- Steel 24" L x 18" H x 18" D underbody toolbox mounted curbside front
- Back up camera wired to in-cab display (wireless not acceptable)

7. Liftgate for stake body application:

- 84" x 40" + 6" aluminum two-piece folding platform
- Tuck-a-way design with 2,500 lb. capacity

- Power up/gravity down
- Steel frame work painted black
- Bolt on dock bumpers with adjustable steps
- Rear end protection
- Toggle switch control
- Torsion assist closing
- In-cab cut-off switch

Class 6, Type 1: Minimum 25,500# GVWR, Gasoline Engine,
Two Wheel Drive, Cab and Chassis with Van & Stake Bodies

MECHANICAL:

- Minimum 7.3 Liter Eight (8) Cylinder Gasoline Powered Engine
- Minimum 6-Speed Automatic Transmission
- Minimum 240 AMP Alternator
- Minimum 900 total CCA battery(ies)
 - Remote jumpstart stud
- Minimum 25,999 lb. GVWR (Maximum 26,000-lb GVWR)
- Wheelbase and cab-to-axle compatible with specified body
- Minimum 120,000 psi frame
- Axle ratio to be determined at time of order
- Front stabilizer bar
- Hydraulic Disc Brakes w/4-Wheel Anti-Lock
- Minimum 10,000-lb front GAWR
- Minimum 21,000-lb rear GAWR
- Synthetic lube for front/rear axles

EXTERIOR:

- Two (2) front tow hooks/loops
- Standard Front Bumper
- Headlamps with daytime running feature
- 22.5" Steel Wheels
- Two (2) 11R22.5H front steering tires
- Four (4) 11R22.5H rear traction tires
- Driver/passenger assist steps
- LH/RH exterior grab handles
- Dual heated & motorized rectangular mirrors for 102" width
- Back-Up Alarm
- Factory/OEM white finish

INTERIOR:

- Rubberized/Vinyl floor covering
- Vinyl front high back air ride driver seat
- Vinyl 2-passenger bench seat
- Tilt/telescopic Steering Column
- Cruise Control
- Power Door Locks and Windows
- Remote Keyless Entry with Four (4) Programmed Remote Transmitters/Keys
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location
- Voltmeter included in display
- Minimum 7" color rearview camera display (aftermarket installation)

OPTIONS:

1. 20' Dry Freight Van Body:

- Minimum 97" overall height x 102" overall width
- Composite panel or FRP construction in factory white finish
- Minimum 1-1/8" laminated hardwood floor
- 24" high interior scuff on sides and front wall
- E-Track mounted at 24" and 48" on sidewalls
- Four (4) load bars for 102" wide body
- Undercoated understructure
- Roof to be one-piece aluminum skin with anti-sag roof bows
- Full-width premium overhead roll-up rear door
- Two (2) LED Interior Dome Light hot-wired with switch at rear of body and lighted switch on dash
- LED Clearance Lights
- LED Stop/Tail/Turn and backup lamps
- Grab handles on both sides of rear door
- DOT (ICC) under-ride bumper with side steps, closure plate and bumper blocks
- Back up camera wired to in-cab display (wireless not acceptable)

2. 22' Dry Freight Van Body Upfit: meeting the same specification requirements as the 20 ft. body.

3. 24' Dry Freight Van Body Upfit: meeting the same specification requirements as the 20 ft. body.

4. 26' Dry Freight Van Body Upfit: meeting the same specification requirements as the 20 ft. body.

5. Liftgate for van body application: Theiman LRST-40EST Tuck Away Liftgate (no exceptions)

- 4,000-lb capacity
- Aluminum 80 x 60 Wedge Style Platform
- Power down, self-leveling operation
- Toggle switch controls both sides accessible from ground
- Remote Pendant control
- Receptacle mounted inside curbside rear corner of box
- In-cab cut off switch
- Heavy Duty Dock Bumpers and Step
- Rear Impact Guard
- Dual Foot Activated Cart Stops
- Galvanized Undercarriage
- Greaseable pins

6. Steel Stake Body:

- Minimum 16' x 100" heavy duty steel stake body
- Constructed with 7" structural long sills
- Minimum 11-gauge high strength formed cross members on 12" centers
- Undercoated understructure
- Factory standard wood floor
- Minimum 12-gauge high strength steel side and end rails
- Minimum 48" weld-on style heavy duty reinforced rectangular bulkhead with window
- Minimum 40" high side steel stake racks with interlocking clips
- External rub rail on both sides and rear of platform
- LED clearance and marker lights to meet FMVSS 108
- LED stop/tail/turn
- Factory/OEM black finish
- Rear mudflaps with anti-sail brackets
- ICC style under-ride prevention bumper constructed of 4" channel
- Steel 24" L x 18" H x 18" D underbody toolbox mounted curbside front
- Back up camera wired to in-cab display (wireless not acceptable)

7. Liftgate for stake body application:

- 84" x 40" + 6" aluminum two-piece folding platform
- Tuck-a-way design with 2,500 lb. capacity
- Power up/gravity down
- Steel frame work painted black
- Bolt on dock bumpers with adjustable steps
- Rear end protection
- Toggle switch control
- Torsion assist closing
- In-cab cut-off switch

Class 6, Type 2; Regular Cab, Dual Rear Wheel, 26,000# GVWR, Gas Engine,
Two Wheel Drive Cab and Chassis with Dump Body

MECHANICAL:

- Minimum 7.3 Liter Eight (8) Cylinder Gasoline Powered Engine
- Minimum 6-Speed Automatic Transmission
- Minimum 240 AMP Alternator
- Minimum 900 total CCA battery(ies)
 - Remote jumpstart stud
- Minimum 25,999 lb. GVWR (Maximum 26,000-lb GVWR)
- Wheelbase and cab-to-axle compatible with specified body
- Minimum 120,000 psi frame
- Axle ratio to be determined at time of order
- Front stabilizer bar
- Hydraulic Disc Brakes w/4-Wheel Anti-Lock
- Minimum 10,000-lb front GAWR
- Minimum 21,000-lb rear GAWR
- Minimum 37,000-lb Gross Combined Weight Rating
- Synthetic lube for front/rear axles

EXTERIOR:

- Two (2) front tow hooks/loops
- Standard Front Bumper
- Headlamps with daytime running feature
- 22.5" Steel Wheels
- Two (2) 11R22.5H front steering tires
- Four (4) 11R22.5H rear traction tires
- Driver/passenger assist steps
- LH/RH exterior grab handles
- Dual heated & motorized rectangular mirrors for 102" width
- Back-Up Alarm
- Factory/OEM white finish

INTERIOR:

- Rubberized/Vinyl floor covering
- Vinyl front high back air ride driver seat
- Vinyl 2-passenger bench seat
- Tilt/telescopic Steering Column
- Cruise Control
- Power Door Locks and Windows
- Remote Keyless Entry with Four (4) Programmed Remote Transmitters/Keys
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location
- Voltmeter included in display
- Minimum 7" color rearview camera display (aftermarket installation)

STEEL DUMP BODY:

- High tensile steel crossmember-less design
- 10 inch formed 7 ga long sills, 100% welded with clean-out drain at rear
- Steel track on bottom of long sills with 2.25" rubber insulator full length
- Minimum 10'6" overall length x 96" overall width
- Minimum 24" rigid side wall with grip strut down each side
- Minimum 9" wide front post full height (determined by cab dimensions)
- Minimum 8" wide rear post
- Minimum three (3) - 6" wide side posts
- Minimum 10" side board pockets @front, center and rear
- Three panel tailgate constructed of 7 ga sheet with 10 ga post and single center coal chute
- Full cab shield formed from 10 ga sheet 88" wide x 14" long
- Cab shield depth 5" front tapered to 7" rear
- Two (2) steps inside body left front corner
- One (1) fold down/slide down step on left exterior of body (min 3 steps)
- Back up camera mounted to provide driver unobstructed view behind vehicle when in reverse
- LED clearance and marker lights to meet current FMVSS standards
- LED Stop/Tail/Turn recessed in rear corner posts
- Steel splash shields ahead of rear wheels
- Rear mudflaps with anti-sail device
- Epoxy primer and black urethane topcoat
- 24 x 18 x 18 Steel locking underbody toolbox mounted curbside
- Central Hydraulic System-inc:
 - PTO "Hotshift" style driven with pressure sensing pump
 - Six (6) function electric
 - 30-Gallon stainless steel tank
 - To supply flow while driving or stationary
 - 16 Micron in tank filter
 - 1-1/4" Ball valve
 - Hydraulic oil and oil level gauge
 - Body up light in cab
 - Single joystick operation
- Hoist-inc:
 - Class 50 Minimum hoist under body low mount style
 - Double acting (power up and down)
 - Minimum 8" diameter single cylinder
 - OSHA safety props
- Towing Package to include:
 - Minimum 3/4" Tow Plate
 - Class V rated 2" Receiver
 - (2) 5/8 D-Rings
 - Supply both 7-wire commercial and RV style plugs
 - Electric Brake Controller mounted within easy reach of driver
- Amber Warning Light Package to include:

- Two flashing LED on front grille on separate switch for plowing operation
- Two flashing LED on rear corner posts (ref: Whelen Vertex, or equal)
- Two flashing LED on front of cab shield (Ref: Whelen ION-T, or equal)
- Two flashing LED on side of cab shield (Ref: Whelen ION-T, or equal)
- All cab shield light wiring to be in steel tube
- Tarp-inc:
 - 12 Volt power tarp with switch mounted in cab
 - 7' x 15' PVC-coated vinyl mesh tarp
 - Aluminum spring arms (4 spring minimum) side or under body mount
 - 45-degree arm joints
 - All-wiring in steel tube

OPTIONS:

1. Electric-Hydraulic Straight Blade Snowplow:

- *Chassis dealer to provide necessary features for plow mounting to include but not limited to:*
 - **Fixed grille**
 - **Frame extension**
 - **Manufacturer recommended options**
- Minimum 120" wide steel blade assembly, full trip design
- Minimum 34" high 11 ga carbon steel moldboard
- Minimum 2" x 10" angling cylinders
- Minimum 6" x 1/2" steel cutting edge
- Minimum six (6) vertical ribs
- Power angling
- Plow shoe kit
- Belted rubber OEM plow deflector
- Corner guide markers
- LED plow lights mounted on hood of truck
- Supply and mount controls within easy reach of driver
- Quick hitch style coupling system
 - Minimum 1-3/4" x 8" lift cylinder

2. Full Hydraulic Stainless Steel Under Tailgate Spreader:

- Vendor/Upfitter to provide all parts, materials, labor for spreader to be fully functional and operable from truck PTO hydraulics
- Minimum 96" wide 304 stainless steel hopper with cover
- Minimum 5:1 gearbox drive hydraulic operation
- Minimum 6" auger with 3/8" flighting
- Minimum 18" polyurethane spinner disc
- Supply and mount controller in cab
- Spill plates provided
- Left of center discharge
- LED flood light mounted at rear to illuminate spreader pattern

Class 6, Type 3, Regular Cab, Dual Rear Wheel, 26,000# GVWR, Gas Engine,
Two Wheel Drive Cab and Chassis with Interchangeable Truck Body System

MECHANICAL:

- Minimum 7.3 Liter Eight (8) Cylinder Gasoline Powered Engine
- Minimum 10-Speed Automatic Transmission
- Minimum 240 AMP Alternator
- Minimum 900 total CCA battery(ies)
 - Remote jumpstart stud
- Minimum 25,999 lb. GVWR (Maximum 26,000-lb GVWR)
- Wheelbase and cab-to-axle compatible with specified body
- Minimum 120,000 psi frame
- Axle ratio to be determined at time of order
- Front stabilizer bar
- Hydraulic Disc Brakes w/4-Wheel Anti-Lock
- Minimum 10,000-lb front GAWR
- Minimum 21,000-lb rear GAWR
- Minimum 37,000-lb Gross Combined Weight Rating
- Synthetic lube for front/rear axles

EXTERIOR:

- Two (2) front tow hooks/loops
- Standard Front Bumper
- Headlamps with daytime running feature
- 22.5" Steel Wheels
- Two (2) 11R22.5H front steering tires
- Four (4) 11R22.5H rear traction tires
- Driver/passenger assist steps
- LH/RH exterior grab handles
- Dual heated & motorized rectangular mirrors for 96" width
- Back-Up Alarm
- Factory/OEM white finish

INTERIOR:

- Rubberized/Vinyl floor covering
- Vinyl front high back air ride driver seat
- Vinyl 2-passenger bench seat
- Tilt/telescopic Steering Column
- Cruise Control
- Power Door Locks and Windows
- Remote Keyless Entry with Four (4) Programmed Remote Transmitters/Keys
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location
- Voltmeter included in display
- Minimum 7" color rearview camera display (aftermarket installation)

INTERCHANGEABLE TRUCK BODY SYSTEM:

- Transmission-mounted PTO and hydraulic pump to power the unit
- All hoses and fittings to be SAE type. O-ring fittings are to be utilized where possible. All components are to meet or exceed operating pressure and burst requirements. No jic 37 degree or metric fittings allowed
- Minimum operating pressure of 4,200 psi
- Minimum hydraulic flow of 16 gallons per minute
- Minimum 10 gallon frame mounted oil tank
- In cab manual controls for precise metering of manual hydraulic valve
- Mechanical rear tiedown latches
- Resettable dump/tilt tabs
- Permanently lubricated and greasable bushings throughout
- Carbon steel and zinc-plated or type 17-4 stainless-steel pins used throughout
- All weldments are painted with two-part polyurethane enamel
- Manual adjustable hook height of 35.63" or 54"
- Minimum dump and lift capacity of up to 18,000-lbs
- Minimum double acting dual cylinder with counterbalance valves
- 36" hook height must be able to pick up body 10.00" below frame and with 54" hook height and be able to pick up body 2.88" below grade.
- Hooklift height must not exceed 7.50"
- Radio remote control system with the ability to operate in mobile mode or stationary mode
- Must have parking brake interlock system when in stationary mode.
- Must have lock out on lift/dump function to meet OSHA 1926.601(b)(11).
- No hydraulic controls allowed in cab.
- Hooklift must be able to handle skid mounted containers 12' to 14' and flatbeds up to 16'
- Hooklift must have 4-body saddles (2 each side), and can be either skid plate or roller style, (2)-additional sets of skid rollers 4" diameter installed on base at the rear.
- All load rollers are adjustable to handle rail width of 40.5" to 42".
- Minimum dump angle of 60°
- Hooklift must have sliding jib. Inner and outer booms must be rectangular shaped to reduce flexing, add to structural integrity, and ease of wear pad replacement. The sliding jib assembly must be able to hydraulically slide the the body/container horizontally without the use of wear pads for body/container rails. No frame rail wear pads will be accepted.
- Dumping must be accomplished through a rear pivot. Jib and dump sections must mechanically lock together to support the full length of the body/container when in the dump mode. Hooklift must be a double pivot type.
- Slide through/and or inside hold-down devices must be mounted on the dump section to secure a wide range of body lengths through the entire transportation and dump mode operation. The hold-downs must be bolt-on and adjustable to allow for the wide range of body hold down tab locations. Hooklift must be compatible with containers manufactured to ANSI Z245.60 standards for waste containers.
- LED Stop/Tail/Turn and marker lamps to meet FMVSS requirements
- Poly fenders with mudflaps
- Backup camera wired to in cab display
- Tow package to include:
 - Pull plate of sufficient design to accommodate truck towing minimum 20,000 lb trailer capacity
 - Class V hitch receiver

- 7-wire RV style plug
- “D” rings
- Underride/ICC protection

OPTIONS:

1. Drop Box/Dumpster Body:

- Minimum 11' length
- Minimum 96" Outside width
- Minimum 51" side height
- Structural steel construction of 3" crossmembers on 18" centers with 12 gauge sheet
- Tailgate constructed of 2" x 2" x 1/8" tubing tubular framework with single swing gate
- 6" Steel ground rollers
- Factory/OEM finish in black

2. Steel Dump Body:

- Minimum 11' length
- Minimum 96" Outside width
- Minimum 12" side height
- Minimum 24" tailgate height with “ramp” design for drive-on convenience
- Minimum 3" Structural channel crossmembers on 16" center
- Minimum 10-gauge steel floor
- Minimum 12-gauge steel sides
- Bulkhead to be of dimension to accommodate manufacturer cab design with 18" cab shield
- Top rail of 3" x 3" x 1/8" tubing
- Drop down sides and welded “D” rings
- Tailgate constructed of 2" x 2" x 3/16" tubing and 10-gauge sheet
- 6" Steel ground rollers
- High quality zinc prime & powder coated finish in black

3. Flatbed:

- Minimum 11' length
- Minimum 96" Outside width
- Minimum 3" Structural channel crossmembers on 16" centers
- Minimum 1/8" Diamond plate floor
- Minimum 3" x 3" x 1/8" tubing outer rail
- Bulkhead to provide maximum protection of cab with window
- Stake pockets on 24" centers with stake sides
- Rub rail constructed of 3/8" x 2" flatbar
- Keyholes in corners of platform floor
- Welded “D” rings
- Beavertail for ease of loading/unloading equipment
- High quality zinc prime & powder coated finish in black

PLEASE NOTE: More than one body may be ordered with this Class/Type. When more than one body is requisitioned, vendor MUST provide delivery of any additional body.

Class 6, Type 4: Minimum 25,500 lb. GVWR Two Wheel Drive, Diesel Engine,
Regular Cab & Chassis with Optional Van & Stake Bodies

MECHANICAL:

- Minimum 6.6 Liter Six (6) Cylinder Diesel Powered Engine
 - Minimum 300 HP @ 2,500 rpm
 - Minimum 825 ft lbs torque @ 1,500 rpm
 - Engine Block Heater
 - Driver controlled emissions regeneration (if available from manufacturer)
- Minimum 5-Speed Automatic Transmission with Power Take Off Provision
- Minimum 160 AMP Alternator
- Minimum 900 total CCA battery(ies)
 - Remote jumpstart stud
- Minimum 25,500 lb. GVWR (Maximum 26,000-lb GVWR)
- Minimum 120,000 psi frame
- Minimum 10,000-lb front GAWR
- Minimum 21,000-lb rear GAWR
- Minimum 50,000 lbs. Gross Combined Weight Rating
- Axle ratio to be determined at time of order
- Front stabilizer bar
- Air Brakes to suit the application, including but not limited to:
 - Slack Adjusters
 - Air Dryer
 - Spring Brake
 - Dustshields
 - Anti-Locking System
- Synthetic lube for front/rear axles

EXTERIOR:

- Two (2) front tow hooks/loops
- Standard Front Bumper
- Headlamps with daytime running feature
- 22.5" Steel Wheels
- Two (2) 11R22.5H front steering tires
- Four (4) 11R22.5H rear traction tires
- Driver/passenger assist steps
- LH/RH exterior grab handles
- Dual heated & motorized rectangular mirrors for 102" width
- Air horn
- Back-Up Alarm
- Factory/OEM white finish

INTERIOR:

- Rubberized/Vinyl floor covering
- Vinyl front high back air ride driver seat
- Vinyl 2-passenger bench seat

- Tilt/telescopic Steering Column
- Cruise Control
- Power Door Locks and Windows
- Four functional keys for door locks/ignition
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location
- Voltmeter included in display
- Minimum 7" color rearview camera display (aftermarket installation)

OPTIONS:**1. 20 ft. Dry Freight Van Body:**

- Minimum 97" overall height x 102" overall width
- Composite panel or FRP construction in factory white finish
- Fully welded anti-skid extruded aluminum inverted T floor with extruded scuff and glassboard subpan
- Two kazoo drains at front (one each corner)
- 48" high Chemlite scuff on sides and front wall with waterproof seal at top and bottom
- All joints and seams thoroughly sealed with leak proof compounds
- .060" Translucent type roof bonded to heavy duty anti-snag roof bows and capped on all edges
- Roof bows on 24" centers to eliminate any ice or water pooling
- E-Track mounted at 24" and 36" on sidewalls
- Four (4) load bars for 102" wide body
- Forklift package
- Undercoated understructure
- Two (2) sealed LED Interior Dome Light hot-wired with switch at rear of body and lighted switch on dash
- Full-width plastic coated premium overhead roll-up rear door
- LED Clearance Lights
- LED Stop/Tail/Turn and backup lamps
- Grab handles on both sides of rear door
- DOT (ICC) under-ride bumper with side steps, closure plate and bumper blocks
- 36" x 18" x 18" Steel underbody locking toolbox mounted curbside front
- Back up camera wired to in-cab display (wireless not acceptable)

2. 22 ft. Dry Freight Van Body: meeting the same specification requirements as the 20 ft. body.

3. 24 ft. Dry Freight Van Body: meeting the same specification requirements as the 20 ft. body.

4. 26 ft. Dry Freight Van Body: meeting the same specification requirements as the 20 ft. body.

5. Liftgate for van body application: Theiman LRST-40EST Tuck Away Liftgate (no exceptions)

- 4,000-lb capacity
- Aluminum 80 x 60 Wedge Style Platform
- Power down, self-leveling operation

- Toggle switch controls both sides accessible from ground
- Remote Pendant control
- Receptacle mounted inside curbside rear corner of box
- In-cab cut off switch
- Heavy Duty Dock Bumpers and Step
- Rear Impact Guard
- Dual Foot Activated Cart Stops
- Galvanized Undercarriage
- Greaseable pins

6. Steel Stake Body:

- Minimum 16' x 100" heavy duty steel stake body
- Constructed with 7" structural long sills
- Minimum 11-gauge high strength formed cross members on 12" centers
- Undercoated understructure
- Factory standard wood floor
- Minimum 12-gauge high strength steel side and end rails
- Minimum 48" weld-on style heavy duty reinforced rectangular bulkhead with window
- Minimum 40" high side steel stake racks with interlocking clips
- External rub rail on both sides and rear of platform
- LED clearance and marker lights to meet FMVSS 108
- LED stop/tail/turn
- Factory/OEM black finish
- Rear mudflaps with anti-sail brackets
- ICC style under-ride prevention bumper constructed of 4" channel
- Steel 24" L x 18" H x 18" D underbody toolbox mounted curbside front
- Back up camera wired to in-cab display (wireless not acceptable)

7. Liftgate for stake body application:

- 84" x 40" + 6" aluminum two-piece folding platform
- Tuck-a-way design with 2,500 lb. capacity
- Power up/gravity down
- Steel frame work painted black
- Bolt on dock bumpers with adjustable steps
- Rear end protection
- Toggle switch control
- Torsion assist closing
- In-cab cut-off switch

Class 6, Type 5; Regular Cab, Dual Rear Wheel, minimum 25,500 lb GVWR, Diesel Engine,
Two Wheel Drive Cab and Chassis with Dump Body

MECHANICAL:

- Minimum 6.6 Liter Six (6) Cylinder Diesel Powered Engine
 - Minimum 300 HP @ 2,500 rpm
 - Minimum 825 ft lbs torque @ 1,500 rpm
 - Engine Block Heater
 - Driver controlled emissions regeneration (if available from manufacturer)
- Minimum 5-Speed Automatic Transmission with Power Take Off Provision
- Minimum 160 AMP Alternator
- Minimum 900 total CCA battery(ies)
 - Remote jumpstart stud
- Minimum 25,500 lb. GVWR (Maximum 26,000-lb GVWR)
- Minimum 120,000 psi frame
- Minimum 10,000-lb front GAWR
- Minimum 21,000-lb rear GAWR
- Minimum 50,000 lbs. Gross Combined Weight Rating
- Front stabilizer bar
- Axle ratio to be determined at time of order
- Locking Rear Differential
- Vertical exhaust
- Air Brakes to suit the application, including but not limited to:
 - Slack Adjusters
 - Heated Air Dryer
 - Spring Brake
 - Dustshields
 - Anti-Locking System
- Synthetic lube for front/rear axles

EXTERIOR:

- Two (2) front tow hooks/loops
- Standard Front Bumper
- Headlamps with daytime running feature
- 22.5" Steel Wheels
- Two (2) 11R22.5H front steering tires
- Four (4) 11R22.5H rear traction tires
- Driver/passenger assist steps
- LH/RH exterior grab handles
- Dual heated & motorized rectangular mirrors for 102" width
- Air horn
- Back-Up Alarm
- Factory/OEM white finish

INTERIOR:

- Rubberized/Vinyl floor covering

- Vinyl front high back air ride driver seat
- Vinyl 2-passenger bench seat
- Tilt/telescopic Steering Column
- Cruise Control
- Power Door Locks and Windows
- Four functional keys for door locks/ignition
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location
- Voltmeter included in display
- Minimum 7" color rearview camera display (aftermarket installation)

STEEL DUMP BODY:

- Minimum 10'6" overall length x 96" overall width
- Minimum 24" rigid side wall with grip strut down each side
- Minimum 9" wide front post full height (determined by cab dimensions)
- Minimum 8" wide rear post
- Minimum three (3) - 6" wide side posts
- Minimum 10" side board pockets @front, center and rear
- High tensile steel crossmember-less design
- 10 inch formed 7 ga long sills, 100% welded with clean-out drain at rear
- Steel track on bottom of long sills with 2.25" rubber insulator full length
- Three panel tailgate constructed of 7 ga sheet with 10 ga post and single center coal chute
 - Tailgate bottom latches to be air operated.
 - Linkage should snap over center point for secure closure.
 - Toggle switch to be dash or tower mounted and have safety cover to prevent accidental operation.
- Full cab shield formed from 10 ga sheet 88" wide x 14" long
- Cab shield depth 5" front tapered to 7" rear
- Two (2) steps inside body left front corner
- One (1) fold down/slide down step on left exterior of body (min 3 steps)
- Back up camera mounted to provide driver unobstructed view behind vehicle when in reverse
- LED clearance and marker lights to meet current FMVSS standards
- LED Stop/Tail/Turn recessed in rear corner posts
- Steel splash shields ahead of rear wheels
- Rear mudflaps with anti-sail device
- Epoxy primer and black urethane topcoat
- 24 x 18 x 18 Steel locking underbody toolbox mounted curbside
- Central Hydraulic System-inc:
 - PTO "Hotshift" style driven with pressure sensing pump
 - Six (6) function electric
 - 30-Gallon stainless steel tank
 - To supply flow while driving or stationary
 - 16 Micron in tank filter
 - 1-1/4" Ball valve
 - Hydraulic oil and oil level gauge

- Body up light in cab
- Single joystick operation
- Hoist-inc:
 - Class 50 Minimum hoist under body low mount style
 - Double acting (power up and down)
 - Minimum 8" diameter single cylinder
 - OSHA safety props
- Towing Package to include:
 - Minimum 3/4" Tow Plate
 - Class V rated 2" Receiver
 - (2) 5/8 D-Rings
 - Supply both 7-wire commercial and RV style plugs
 - OEM Glad hands to be mounted
- Amber Warning Light Package to include:
 - Two flashing LED on front grille on separate switch for plowing operation
 - Two flashing LED on rear corner posts (ref: Whelen Vertex, or equal)
 - Two flashing LED on front of cab shield (Ref: Whelen ION-T, or equal)
 - Two flashing LED on side of cab shield (Ref: Whelen ION-T, or equal)
 - All cab shield light wiring to be in steel tube
- Tarp-inc:
 - 12 Volt power tarp with switch mounted in cab
 - 7' x 15' PVC-coated vinyl mesh tarp
 - Aluminum spring arms (4 spring minimum) side or under body mount
 - 45-degree arm joints
 - All-wiring in steel tube

OPTIONS:

1. Full Hydraulic Straight Blade Snowplow:
 - ***Chassis dealer to provide necessary features for plow mounting to include but not limited to:***
 - ***Fixed grille***
 - ***Frame extension***
 - ***Manufacturer recommended options***
 - Minimum 120" wide steel blade assembly, full trip design
 - Minimum 34" high 11 ga carbon steel moldboard
 - Minimum 2" x 10" angling cylinders
 - Minimum 6" x 1/2" steel cutting edge
 - Minimum six (6) vertical ribs
 - Minimum 1-3/4" x 8" lift cylinder
 - Power angling
 - Plow shoe kit
 - Belted rubber OEM plow deflector
 - Corner guide markers
 - LED plow lights mounted on hood of truck
 - Supply and mount controls within easy reach of driver

- Quick hitch style coupling system
- 2. Hydraulic Stainless Steel Under Tailgate Spreader:
 - Minimum 96" wide 304 stainless steel hopper with cover
 - Minimum 5:1 gearbox drive hydraulic operation
 - Minimum 6" auger with 3/8" flighting
 - Minimum 18" polyurethane spinner disc
 - Supply and mount controller in cab
 - Spill plates provided
 - Left of center discharge
 - LED flood light mounted at rear to illuminate spreader pattern

Class 6, Type 6; Regular Cab, Dual Rear Wheel, minimum 25,500 lb GVWR, Diesel Engine,
Two Wheel Drive Cab and Chassis with Interchangeable Truck Body System

MECHANICAL:

- Minimum 6.6 Liter Six (6) Cylinder Diesel Powered Engine
 - Minimum 300 HP @ 2,500 rpm
 - Minimum 825 ft lbs torque @ 1,500 rpm
 - Engine Block Heater
 - Driver controlled emissions regeneration (if available from manufacturer)
- Minimum 5-Speed Automatic Transmission with Power Take Off Provision
- Minimum 160 AMP Alternator
- Minimum 900 total CCA battery(ies)
 - Remote jumpstart stud
- Minimum 25,500 lb. GVWR (Maximum 26,000-lb GVWR)
- Minimum 120,000 psi frame
- Minimum 10,000-lb front GAWR
- Minimum 21,000-lb rear GAWR
- Minimum 50,000 lbs. Gross Combined Weight Rating
- Front stabilizer bar
- Axle ratio to be determined at time of order
- Locking Rear Differential
- Vertical exhaust
- Air Brakes to suit the application, including but not limited to:
 - Slack Adjusters
 - Heated Air Dryer
 - Spring Brake
 - Dustshields
 - Anti-Locking System
- Synthetic lube for front/rear axles

EXTERIOR:

- Two (2) front tow hooks/loops
- Standard Front Bumper
- Headlamps with daytime running feature
- 22.5" Steel Wheels
- Two (2) 11R22.5H front steering tires
- Four (4) 11R22.5H rear traction tires
- Driver/passenger assist steps
- LH/RH exterior grab handles
- Dual heated & motorized rectangular mirrors for 102" width
- Air horn
- Back-Up Alarm
- Factory/OEM white finish

INTERIOR:

- Rubberized/Vinyl floor covering

- Vinyl front high back air ride driver seat
- Vinyl 2-passenger bench seat
- Tilt/telescopic Steering Column
- Cruise Control
- Power Door Locks and Windows
- Four functional keys for door locks/ignition
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location
- Voltmeter included in display
- Minimum 7" color rearview camera display (aftermarket installation)

INTERCHANGEABLE TRUCK BODY SYSTEM:

- Transmission-mounted PTO and hydraulic pump to power the unit
- All hoses and fittings to be SAE type. O-ring fittings are to be utilized where possible. All components are to meet or exceed operating pressure and burst requirements. No jic 37 degree or metric fittings allowed
- Minimum operating pressure of 4,200 psi
- Minimum hydraulic flow of 16 gallons per minute
- Minimum 10 gallon frame mounted oil tank
- In cab manual controls for precise metering of manual hydraulic valve
- Mechanical rear tiedown latches
- Resettable dump/tilt tabs
- Permanently lubricated and greasable bushings throughout
- Carbon steel and zinc-plated or type 17-4 stainless-steel pins used throughout
- All weldments are painted with two-part polyurethane enamel
- Manual adjustable hook height of 35.63" or 54"
- Minimum dump and lift capacity of up to 18,000-lbs
- Minimum double acting dual cylinder with counterbalance valves
- 36" hook height must be able to pick up body 10.00" below frame and with 54" hook height and be able to pick up body 2.88" below grade.
- Hooklift height must not exceed 7.50"
- Radio remote control system with the ability to operate in mobile mode or stationary mode
- Must have parking brake interlock system when in stationary mode.
- Must have lock out on lift/dump function to meet OSHA 1926.601(b)(11).
- No hydraulic controls allowed in cab.
- Hooklift must be able to handle skid mounted containers 12' to 14' and flatbeds up to 16'
- Hooklift must have 4-body saddles (2 each side), and can be either skid plate or roller style, (2)-additional sets of skid rollers 4" diameter installed on base at the rear.
- All load rollers are adjustable to handle rail width of 40.5" to 42".
- Minimum dump angle of 60°
- Hooklift must have sliding jib. Inner and outer booms must be rectangular shaped to reduce flexing, add to structural integrity, and ease of wear pad replacement. The sliding jib assembly must be able to hydraulically slide the the body/container horizontally without the use of wear pads for body/container rails. No frame rail wear pads will be accepted.
- Must have positive jib safety lock to prevent jib operation while in the dump mode

- Dumping must be accomplished through a rear pivot. Jib and dump sections must mechanically lock together to support the full length of the body/container when in the dump mode. Hooklift must be a double pivot type.
- Slide through/and or inside hold-down devices must be mounted on the dump section to secure a wide range of body lengths through the entire transportation and dump mode operation. The hold-downs must be bolt-on and adjustable to allow for the wide range of body hold down tab locations. Hooklift must be compatible with containers manufactured to ANSI Z245.60 standards for waste containers.
- LED Stop/Tail/Turn and marker lamps to meet FMVSS requirements
- Poly fenders with mudflaps
- Backup camera wired to in cab display
- Tow package to include:
 - Pull plate of sufficient design to accommodate truck towing minimum 20,000 lb trailer capacity
 - Class V hitch receiver
 - 7-wire RV style plug
 - “D” rings
 - Underride/ICC protection

OPTIONS:**1. Drop Box/Dumpster Body:**

- Minimum 11' length
- Minimum 96" Outside width
- Minimum 51" side height
- Structural steel construction of 3" crossmembers on 18" centers with 12 gauge sheet
- Tailgate constructed of 2" x 2" x 1/8" tubing tubular framework with single swing gate
- 6" Steel ground rollers
- Factory/OEM finish in black

2. Steel Dump Body:

- Minimum 11' length
- Minimum 96" Outside width
- Minimum 12" side height
- Minimum 24" tailgate height with “ramp” design for drive-on convenience
- Minimum 3" Structural channel crossmembers on 16" center
- Minimum 10-gauge steel floor
- Minimum 12-gauge steel sides
- Bulkhead to be of dimension to accommodate manufacturer cab design with 18" cab shield
- Top rail of 3" x 3" x 1/8" tubing
- Drop down sides and welded “D” rings
- Tailgate constructed of 2" x 2" x 3/16" tubing and 10-gauge sheet
- 6" Steel ground rollers
- High quality zinc prime & powder coated finish in black

3. Flatbed Body:

- Minimum 11' length
- Minimum 96" Outside width
- Minimum 3" Structural channel crossmembers on 16" centers
- Minimum 1/8" Diamond plate floor
- Minimum 3" x 3" x 1/8" tubing outer rail
- Bulkhead to provide maximum protection of cab with window
- Stake pockets on 24" centers with stake sides
- Rub rail constructed of 3/8" x 2" flatbar
- Keyholes in corners of platform floor
- Welded "D" rings
- Beavertail for ease of loading/unloading equipment
- High quality zinc prime & powder coated finish in black

Class 8, Type 1; Regular Cab, Dual Rear Wheel, minimum 37,000 lb GVWR, Diesel Engine,
Two Wheel Drive Cab and Chassis with Optional Bodies

MECHANICAL:

- Minimum 6.6 Liter Six (6) Cylinder Diesel Powered Engine
 - Minimum 325 HP
 - Minimum 1000 ft lbs torque
 - Engine Block Heater
 - Driver controlled emissions regeneration (if available from manufacturer)
- Minimum 5-Speed Automatic Transmission appropriate for body application
- Minimum 160 AMP Alternator
- Minimum 1800 total CCA battery capacity
 - Remote jumpstart stud
- Minimum 37,000 lb. GVWR
- Minimum 120,000 psi frame
- Minimum 14,000-lb front GAWR
- Minimum 23,000-lb rear GAWR
- Axle ratio to be determined at time of order
- Synthetic lube for front/rear axles and transmission
- Axle oil seals required
- Minimum limited slip or driver controlled locking rear differential
- Vertical exhaust
- Air Brakes to suit the application, including but not limited to:
 - Slack Adjusters
 - Heated Air Dryer
 - Spring Brake
 - Dustshields
 - Anti-Locking System

EXTERIOR:

- Two (2) front tow hooks/loops
- Standard Front Bumper
- Headlamps with daytime running feature
- 22.5" One piece hub piloted steel wheels
- Two (2) 12R22.5H front steering tires
- Four (4) 12R22.5H rear traction tires
- Driver/passenger assist steps
- LH/RH exterior grab handles
- Dual heated & motorized rectangular mirrors for 102" width
- Minimum aluminum fuel tank with 50 gallon capacity
- Air horn
- Back-Up Alarm
- Factory/OEM white finish

INTERIOR:

- Rubberized/Vinyl floor covering

- Front high back air ride driver seat
- 2-passenger bench seat
- Tilt/telescopic Steering Column
- Cruise Control
- Power Door Locks and Windows
- Four functional keys for door locks/ignition
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location
- Voltmeter included in display
- Minimum 7" color rearview camera display (aftermarket installation)

OPTIONS:**1. 20' Dry Freight Van Body:**

- Minimum 97" overall height x 102" overall width
- Composite panel or FRP construction in factory white finish
- Forklift package
- Minimum 1-1/8" laminated hardwood floor
- 24" high interior scuff on sides and front wall
- E-Track mounted at 24" and 48" on sidewalls
- Four (4) load bars for 102" wide body
- Undercoated understructure
- Roof to be one-piece aluminum skin with anti-snap roof bows
- Full-width premium overhead roll-up rear door
- Two (2) LED Interior Dome Light hot-wired with switch at rear of body and lighted switch on dash
- LED Clearance Lights
- LED Stop/Tail/Turn and backup lamps
- Grab handles on both sides of rear door
- DOT (ICC) under-ride bumper with side steps, closure plate and bumper blocks
- Back up camera wired to in-cab display (wireless not acceptable)

2. 22' Dry Freight Van Body: meeting the same specification requirements as the 20 ft. body.

3. 24' Dry Freight Van Body: meeting the same specification requirements as the 20 ft. body.

4. 26 ft. "Scrubbable" Van Body:

- Minimum 97" overall height x 102" overall width
- Composite panel or FRP construction in factory white finish
- Fully welded anti-skid extruded aluminum inverted T floor with extruded scuff and glassboard subpan
- Two kazoo drains at front (one each corner)
- 48" high Chemlite scuff on sides and front wall with waterproof seal at top and bottom
- All joints and seams thoroughly sealed with leak proof compounds
- .060" Translucent type roof bonded to heavy duty anti-snap roof bows and capped on all edges
- Roof bows on 24" centers to eliminate any ice or water pooling

- E-Track mounted at 24" and 36" on sidewalls
- Four (4) load bars for 102" wide body
- Forklift package
- Undercoated understructure
- Two (2) **sealed** LED Interior Dome Light hot-wired with switch at rear of body and lighted switch on dash
- Full-width plastic coated premium overhead roll-up rear door
- LED Clearance Lights
- LED Stop/Tail/Turn and backup lamps
- Grab handles on both sides of rear door
- DOT (ICC) under-ride bumper with side steps, closure plate and bumper blocks
- 36" x 18" x 18" Steel underbody locking toolbox mounted curbside front
- Back up camera wired to in-cab display (wireless not acceptable)

5. Liftgate for Van Body application: Theiman LRST-40EST Tuck Away Liftgate (no exceptions)

- 4,000-lb capacity
- Aluminum 80 x 60 Wedge Style Platform
- Power down, self-leveling operation
- Toggle switch controls both sides accessible from ground
- Remote Pendant control
- Receptacle mounted inside curbside rear corner of box
- In-cab cut off switch
- Heavy Duty Dock Bumpers and Step
- Rear Impact Guard
- Dual Foot Activated Cart Stops
- Galvanized Undercarriage
- Greaseable pins

6. Aluminum Platform Body Upfit:

- Minimum 16' x 96" heavy duty aluminum stake body
- Minimum 6" structural aluminum longitudinals
- Minimum 4" structural I-beam crossrails installed on 12" centers
- Minimum 1/4" aluminum plate welded to rubrail
- Minimum 48" **Bolt-on** style heavy duty rectangular bulkhead with window
- External rub rail on both sides and rear of platform
- LED clearance and marker lights to meet FMVSS 108 shock mounted
- LED stop/tail/turn
- Sealed wiring
- Right side mount basket style spare tire carrier
- Factory/OEM black finish
- Rear mudflaps with anti-sail brackets
- ICC style under-ride prevention bumper
- Aluminum 24" L x 18" H x 18" D underbody toolbox mounted curbside front
- Back up camera wired to in-cab display (wireless not acceptable)

7. Liftgate for Platform Body application:

- 84" x 40" + 6" aluminum two-piece folding platform
- Tuck-a-way design with 3,000 lb. capacity
- Power up/gravity down
- Galvanized frame work
- Bolt on dock bumpers with adjustable steps
- Rear end protection
- Toggle switch control
- Torsion assist closing
- In-cab cut-off switch

Class 8, Type 2: Minimum 39,000 lb. GVWR Two Wheel Drive,
Diesel Engine, Regular Cab & Chassis with Optional Bodies

MECHANICAL:

- Minimum 6.6 Liter Six (6) Cylinder Diesel Powered Engine
 - Minimum 325 HP
 - Minimum 1000 ft lbs torque
 - Engine Block Heater
 - Driver controlled emissions regeneration (if available from manufacturer)
- Minimum 5-Speed Automatic Transmission appropriate for body application
- Minimum 160 AMP Alternator
- Minimum 1800 total CCA battery capacity
 - Remote jumpstart stud
- Minimum 39,000 lb. GVWR
- Minimum 120,000 psi frame
- Minimum 16,000-lb front GAWR
- Minimum 23,000-lb rear GAWR
- Axle ratio to be determined at time of order
- Synthetic lube for front/rear axles and transmission
- Axle oil seals required
- Minimum limited slip or driver controlled locking rear differential
- Vertical exhaust
- Air Brakes to suit the application, including but not limited to:
 - Slack Adjusters
 - Heated Air Dryer
 - Spring Brake
 - Dustshields
 - Anti-Locking System

EXTERIOR:

- Two (2) front tow hooks/loops
- Standard Front Bumper
- Headlamps with daytime running feature
- 22.5" One piece hub piloted steel wheels
- Two (2) front steering tread tires meeting minimum necessary dimensions to meet truck application
- Four (4) rear traction tires meeting minimum necessary dimensions to meet truck application
- Driver/passenger assist steps
- LH/RH exterior grab handles
- Dual heated & motorized rectangular mirrors for 102" width
- Minimum aluminum fuel tank with 60 gallon capacity
- Air horn
- Back-Up Alarm
- Factory/OEM white finish

INTERIOR:

- Rubberized/Vinyl floor covering

- Front high back air ride driver seat
- 2-passenger bench seat
- Tilt/telescopic Steering Column
- Cruise Control
- Power Door Locks and Windows
- Four functional keys for door locks/ignition
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location
- Voltmeter included in display
- Minimum 7" color rearview camera display (aftermarket installation)

OPTIONS:

1. Steel Dump Body:

- High tensile steel crossmember-less design
- 10 inch formed 7 ga long sills, 100% welded with clean-out drain at rear
- Steel track on bottom of long sills with 2.25" rubber insulator full length
- Minimum 10'6" overall length
- Minimum 96" overall width
- Minimum 24" rigid side wall with grip strut down each side
- Minimum 9" wide front post full height (determined by cab dimensions)
- Minimum 8" wide rear post
- Minimum three (3) - 6" wide side posts
- Minimum 10" side board pockets @front, center and rear
- Three panel tailgate constructed of 7 ga sheet with 10 ga post and single center coal chute
- Full cab shield formed from 10 ga sheet 88" wide x 14" long
- Cab shield depth 5" front tapered to 7" rear
- Two (2) steps inside body left front corner
- One (1) fold down/slide down step on left exterior of body (min 3 steps)
- Back up camera mounted to provide driver unobstructed view behind vehicle when in reverse
- LED clearance and marker lights to meet current FMVSS standards
- LED Stop/Tail/Turn recessed in rear corner posts
- Steel splash shields ahead of rear wheels
- Rear mudflaps with anti-sail device
- Epoxy primer and black urethane top coat
- 24 x 18 x 18 Steel locking underbody toolbox mounted curbside
- Central Hydraulic System-inc:
 - PTO "Hotshift" style driven with pressure sensing pump
 - Six (6) function electric
 - 30-Gallon stainless steel tank
 - To supply flow while driving or stationary
 - 16 Micron in tank filter
 - 1-1/4" Ball valve
 - Hydraulic oil and oil level gauge
 - Body up light in cab

- Single joystick operation
- Hoist-inc:
 - Class 50 Minimum hoist under body low mount style
 - Double acting (power up and down)
 - Minimum 8" diameter single cylinder
 - OSHA safety props
- Towing Package to include:
 - Minimum 3/4" Tow Plate
 - Class V rated 2" Receiver
 - (2) 5/8 D-Rings
 - Supply both 7-wire commercial and RV style plugs
 - OEM Glad hands to be mounted
 - Trailer Brake Controller to operate at least (4) electric brakes
- Amber Warning Light Package to include:
 - Two flashing LED on front grille on separate switch for plowing operation
 - Two flashing LED on rear corner posts (ref: Whelen Vertex, or equal)
 - Two flashing LED on front of cab shield (Ref: Whelen ION-T, or equal)
 - Two flashing LED on side of cab shield (Ref: Whelen ION-T, or equal)
 - All cab shield light wiring to be in steel tube
- Tarp-inc:
 - 12 Volt power tarp with switch mounted in cab
 - 7' x 15' PVC-coated vinyl mesh tarp
 - Aluminum spring arms (4 spring minimum) side or under body mount
 - 45-degree arm joints
 - All-wiring in steel tube

2. Stainless Steel Dump Body:

- 10 ga 304 stainless steel crossmember-less design
- 10 inch formed 3/16 304 stainless steel long sills, 100% welded with clean-out drain at rear
- Stainless steel track on bottom of long sills with 2.25" rubber insulator full length
- AR-400 3/16 inch floor (underside painted with epoxy primer and urethane topcoat)
- Minimum 10'6" overall length
- Minimum 96" overall width
- Minimum 24" side wall with boxed top rail
- Minimum 9" wide front post full height (determined by cab dimensions)
- Minimum 8" wide rear post
- Minimum three (3) - 6" wide side posts
- Minimum 10" side board pockets @front, center and rear
- Full cab shield formed from 10 ga 3/16 sheet - 88" wide x 14" long
 - Cab shield depth 6" at rear boxed for strobe lights and wiring
- Minimum 36" three panel tailgate formed from 3/16 sheet and 10 ga 6" wide post
 - Dogleg hinges pinned and one center coal chute
 - Air operated tailgate release
- Stainless steel grip strut down each side
- Two (2) stainless steel steps inside body left front corner

- One (1) stainless steel fold down/slide down step on left exterior of body (min 3 steps)
 - Back up camera mounted to provide driver unobstructed view behind vehicle when in reverse
 - LED clearance and marker lights to meet current FMVSS standards
 - LED Stop/Tail/Turn recessed in rear corner posts
 - Stainless Steel splash shields ahead of rear wheels
 - Rear mudflaps with anti-sail device
 - 24 x 18 x 18 Aluminum locking underbody toolbox mounted curbside
 - Central Hydraulic System-inc:
 - PTO “Hotshift” style driven with pressure sensing pump
 - Six (6) function electric
 - 30-Gallon stainless steel tank
 - To supply flow while driving or stationary
 - 16 Micron in tank filter
 - 1-1/4” Ball valve
 - Hydraulic oil and oil level gauge
 - Body up light in cab
 - Single joystick dump operation
 - Hoist-inc:
 - Class 50 Minimum hoist under body low mount style
 - Double acting (power up and down)
 - Minimum 8” diameter single cylinder
 - Towing Package to include:
 - Minimum 3/4” pintle plate with combo pintle hook and ball mounted
 - (2) 5/8 D-Rings
 - Supply both 7-wire commercial and RV style plugs
 - OEM Glad hands to be mounted
 - Trailer Brake Controller to operate at least (4) electric brakes
 - Amber Warning Light Package to include:
 - Two flashing LED on front grille on separate switch for plowing operation
 - Two flashing LED on rear corner posts (ref: Whelen Vertex, or equal)
 - Two flashing LED on front of cab shield (Ref: Whelen ION-T, or equal)
 - Two flashing LED on side of cab shield (Ref: Whelen ION-T, or equal)
 - All cab shield light wiring to be in steel tube
 - Tarp-inc:
 - 12 Volt power tarp with switch mounted in cab
 - 7’ x 15’ PVC-coated vinyl mesh tarp
 - Aluminum spring arms (4 spring minimum) side or under body mount
 - 45-degree arm joints
 - All-wiring in steel tube
3. Full-Hydraulic Straight Blade Snowplow:
- *Chassis dealer to provide necessary features for plow mounting to include but not limited to:*
 - **Fixed grille**
 - **Frame extension**
 - **Manufacturer recommended options**

- Minimum 132" wide steel blade assembly, full trip design
- Minimum 36" high 10 ga carbon steel moldboard
- Minimum two (2) adjustable compression-style trip springs
- Minimum 1-1/2" plated king pin through 2-1/4" x 3/8" DOM tube with integrated grease fitting
- Minimum four (4) 1-1/4" plated pivot pins
- Minimum 3" x 10" angling cylinders
- Minimum 6" x 1/2" 1080 steel cutting edge
- Minimum six (6) vertical ribs
- Power angling
- Plow shoe kit
- Belted rubber OEM plow deflector
- Corner guide markers
- LED plow lights mounted on hood of truck
- Supply and mount controls within easy reach of driver
- All required hoses and quick connect fittings mounted on plate at plow hitch
- Quick hitch style coupling system
 - Minimum 1-3/4" lift cylinder

4. Hydraulic Stainless Steel Under Tailgate Spreader:

- Vendor/Upfitter to provide necessary hydraulic power supply for appropriate operation
- Minimum 96" wide 304 stainless steel hopper with cover
- Minimum 5:1 gearbox drive hydraulic operation
- Minimum 6" auger with 3/8" flighting
- Minimum 18" polyurethane spinner disc
- Supply and mount controller in cab
- Spill plates provided
- Left of center discharge
- All required hoses with quick connect fittings and plate at rear of truck
- LED flood light mounted at rear to illuminate spreader pattern

5. Rollback Body:

- Twenty-two (22) foot steel with treated hardwood floor, 5/4" apitong or approved equal
- Dual lighted control stations, either side of truck bed
- Minimum ten (10)-ton weight capacity
- Hydraulic rear stabilizer
- Heavy-duty outside rubrail with stake pockets and pipe spools
- Full height cab protector with solid bottom, screen top and chain rack
- Cross member spacing, minimum 8" on center.
- Heavy-duty dovetail approach plate
- Hydraulic winch with 20,000 lb. line pull, appropriately sized cable, tail chain and hook
- One metal lockable toolbox mounted on the frame, under the body, at a convenient front position (approximately 18" x 18" x 36")
- Chrome plated cylinder rods
- Hydraulic oil reservoir tank with replaceable filter
- Weather-resistant electrical system
- Wireless remote control for winch

- Emergency light bar mounted on cab-protector, separately switched and fused (direct wire from battery not acceptable), minimum 22” bar type or “wrecker’s special” type integrating rear work lights for rollback deck
- All body lights shall be LED

Class 8, Type 3: 64,000 lb. GVWR Two Wheel Drive, Diesel Engine
Tandem Axle Cab & Chassis with Optional Bodies.

MECHANICAL:

- Minimum 6.7 Liter Six (6) Cylinder Diesel Powered Engine
 - Minimum 425 HP
 - Minimum 1500 ft lbs torque
 - Heated fuel/water separator
 - Extended life coolant and heater hoses with steel tubing
 - Temperature controlled on/off fan clutch
 - Engine Block Heater
 - Driver controlled emissions regeneration (if available from manufacturer)
- Minimum 5-Speed Automatic Transmission appropriate for body application (Ref. Allison 4500 RDS)
- Minimum 160 AMP Alternator
- Minimum 1800 total CCA battery capacity
 - Remote jumpstart stud
- Minimum 64,000 lb. GVWR
- Minimum 120,000 psi frame with 2.5 million in./lb. RBM per rail
- Minimum 18,000-lb front GAWR
- Minimum 46,000-lb rear GAWR with 46,000 lb. walking beam suspension and transverse torque rods
- Axle ratio to be determined at time of order
- Synthetic lube for front/rear axles and transmission
- Axle oil seals required
- Minimum limited slip or driver controlled locking rear differential
- Vertical exhaust
- Air Brakes to suit the application, including but not limited to:
 - Slack Adjusters
 - Heated Air Dryer
 - Spring Brake
 - Dustshields
 - Anti-Locking System

EXTERIOR:

- Two (2) front tow hooks/loops
- Standard Front Bumper
- Headlamps with daytime running feature
- Air ride suspension day cab
- 22.5" One piece hub piloted steel wheels
- Two (2) front steering tread tires meeting minimum necessary dimensions to meet truck application
- Four (4) rear traction tires meeting minimum necessary dimensions to meet truck application
- Driver/passenger assist steps
- LH/RH exterior grab handles
- Dual heated & motorized rectangular mirrors for 102" width
- Minimum aluminum fuel tank with 60 gallon capacity
- Downview mirror over passenger door
- Air horn

- Back-Up Alarm
- Factory/OEM white finish

INTERIOR:

- Rubberized/Vinyl floor covering
- Front high back air ride driver seat
- Front high back passenger seat
- Tilt/telescopic Steering Column
- Cruise Control
- Power Door Locks and Windows
- Four functional keys for door locks/ignition
- Fire Extinguisher mounted in conspicuous location
- OSHA Approved First Aid Kit shipped loose
- Triangle Reflector Kit mounted in conspicuous location
- Voltmeter included in display
- Minimum 7" color rearview camera display (aftermarket installation)

OPTIONS:**1. Steel Dump Body:**

- High tensile steel crossmember-less design
- Minimum 7 inch formed 7 ga long sills, 100% welded with clean-out drain at rear
- Steel track on bottom of long sills with 2.25" rubber insulator full length
- Minimum 15' overall length
- Minimum 96" overall width
- Minimum 43" rigid side wall with grip strut down each side
- Minimum 9" wide front post full height (determined by cab dimensions)
- Minimum 8" wide rear post
- Minimum five (5) - 6" wide side posts
- Minimum 10" side board pockets @front, center and rear
- 53" Three panel tailgate constructed of 7 ga sheet with 10 ga post and single center coal chute
- Full cab shield formed from 8 ga sheet 88" wide x 14" long
- Cab shield depth 5" front tapered to 7" rear
- Two (2) steps inside body left front corner
- One (1) fold down/slide down step on left exterior of body (min 3 steps)
- Back up camera mounted to provide driver unobstructed view behind vehicle when in reverse
- LED clearance and marker lights to meet current FMVSS standards
- LED Stop/Tail/Turn recessed in rear corner posts
- Steel splash shields ahead of rear wheels
- Rear mudflaps with anti-sail device
- Epoxy primer and black urethane topcoat
- 24 x 18 x 18 Steel locking underbody toolbox mounted curbside
- Central Hydraulic System-inc:
 - PTO "Hotshift" style driven with pressure sensing pump
 - Six (6) function electric
 - 30-Gallon stainless steel tank

- To supply flow while driving or stationary
- 16 Micron in tank filter
- 1-1/4" Ball valve
- Hydraulic oil and oil level gauge
- Body up light in cab
- Single joystick operation
- Hoist-inc:
 - Class 90 Minimum telescopic hoist, 26.5 ton capacity
 - Double acting (power up and down)
 - Minimum 8" diameter single cylinder
 - OSHA safety props
- Towing Package to include:
 - Minimum 3/4" Tow Plate
 - Class V rated 2" Receiver
 - (2) 5/8 D-Rings
 - Supply both 7-wire commercial and RV style plugs
 - OEM Glad hands to be mounted
 - Trailer Brake Controller to operate at least (4) electric brakes
- Amber Warning Light Package to include:
 - Two flashing LED on front grille on separate switch for plowing operation
 - Two flashing LED on rear corner posts (ref: Whelen Vertex, or equal)
 - Two flashing LED on front of cab shield (Ref: Whelen ION-T, or equal)
 - Two flashing LED on side of cab shield (Ref: Whelen ION-T, or equal)
 - All cab shield light wiring to be in steel tube
- Tarp-inc:
 - 12 Volt power tarp with switch mounted in cab
 - 7' x 15' PVC-coated vinyl mesh tarp
 - Aluminum spring arms (4 spring minimum) side or under body mount
 - 45-degree arm joints
 - All-wiring in steel tube

2. Stainless Steel Dump Body:

- 10 ga 304 stainless steel crossmember-less design
- 10 inch formed 3/16 304 stainless steel long sills, 100% welded with clean-out drain at rear
- Stainless steel track on bottom of long sills with 2.25" rubber insulator full length
- AR-400 3/16 inch floor (underside painted with epoxy primer and urethane topcoat)
- Minimum 16' overall length
- Minimum 96" overall width
- Minimum 40" side wall with boxed top rail
- Minimum 9" wide front post full height (determined by cab dimensions)
- Minimum 8" wide rear post
- Minimum five (5) - 6" wide side posts
- Minimum 10" side board pockets @front, center and rear
- Full cab shield formed from 10 ga 3/16 sheet - 88" wide x 14" long
 - Cab shield depth 6" at rear boxed for strobe lights and wiring

- Minimum 36" three panel tailgate formed from 3/16 sheet and 10 ga 6" wide post
 - Dogleg hinges pinned and one center coal chute
 - Air operated tailgate release
- Stainless steel grip strut down each side
- Two (2) stainless steel steps inside body left front corner
- One (1) stainless steel fold down/slide down step on left exterior of body (min 3 steps)
- Back up camera mounted to provide driver unobstructed view behind vehicle when in reverse
- LED clearance and marker lights to meet current FMVSS standards
- LED Stop/Tail/Turn recessed in rear corner posts
- Stainless Steel splash shields ahead of rear wheels
- Rear mudflaps with anti-sail device
- 24 x 18 x 18 Aluminum locking underbody toolbox mounted curbside
- Central Hydraulic System-inc:
 - PTO "Hotshift" style driven with pressure sensing pump
 - Six (6) function electric
 - 30-Gallon stainless steel tank
 - To supply flow while driving or stationary
 - 16 Micron in tank filter
 - 1-1/4" Ball valve
 - Hydraulic oil and oil level gauge
 - Body up light in cab
 - Single joystick dump operation
- Hoist-inc:
 - Class 90 Minimum telescopic hoist with 26.5 ton capacity
 - Double acting (power up and down)
 - Minimum 8" diameter single cylinder
- Towing Package to include:
 - Minimum 3/4" pintle plate with combo pintle hook and ball mounted
 - (2) 5/8 D-Rings
 - Supply both 7-wire commercial and RV style plugs
 - OEM Glad hands to be mounted
 - Trailer Brake Controller to operate at least (4) electric brakes
- Amber Warning Light Package to include:
 - Two flashing LED on front grille on separate switch for plowing operation
 - Two flashing LED on rear corner posts (ref: Whelen Vertex, or equal)
 - Two flashing LED on front of cab shield (Ref: Whelen ION-T, or equal)
 - Two flashing LED on side of cab shield (Ref: Whelen ION-T, or equal)
 - All cab shield light wiring to be in steel tube
- Tarp-inc:
 - 12 Volt power tarp with switch mounted in cab
 - 7' x 15' PVC-coated vinyl mesh tarp
 - Aluminum spring arms (4 spring minimum) side or under body mount
 - 45-degree arm joints
 - All-wiring in steel tube

3. Full-Hydraulic Straight Blade Snowplow:

- *Chassis dealer to provide necessary features for plow mounting to include but not limited to:*
 - **Fixed grille**
 - **Frame extension**
 - **Manufacturer recommended options**
- Minimum 132" wide steel blade assembly, full trip design
- Minimum 36" high 10 ga carbon steel moldboard
- Minimum two (2) adjustable compression-style trip springs
- Minimum 1-1/2" plated king pin through 2-1/4" x 3/8" DOM tube with integrated grease fitting
- Minimum four (4) 1-1/4" plated pivot pins
- Minimum 3" x 10" angling cylinders
- Minimum 6" x 1/2" 1080 steel cutting edge
- Minimum six (6) vertical ribs
- Power angling
- Plow shoe kit
- Belted rubber OEM plow deflector
- Corner guide markers
- LED plow lights mounted on hood of truck
- Supply and mount controls within easy reach of driver
- All required hoses and quick connect fittings mounted on plate at plow hitch
- Quick hitch style coupling system
 - Minimum 1-3/4" lift cylinder

4. Hydraulic Stainless Steel Under Tailgate Spreader:

- Vendor/Upfitter to provide necessary hydraulic power supply for appropriate operation
- Minimum 96" wide 304 stainless steel hopper with cover
- Minimum 5:1 gearbox drive hydraulic operation
- Minimum 6" auger with 3/8" flighting
- Minimum 18" polyurethane spinner disc
- Supply and mount controller in cab
- Spill plates provided
- Left of center discharge
- All required hoses with quick connect fittings and plate at rear of truck
- LED flood light mounted at rear to illuminate spreader pattern

5. Rollback Body Upfit:

- Twenty-four (24) foot steel with treated hardwood floor, 5/4" apitong or approved equal
- Dual lighted control stations, either side of truck bed
- Minimum ten (10)-ton weight capacity
- Hydraulic rear stabilizer
- Heavy-duty outside rub rail with stake pockets and pipe spools
- Full height cab protector with solid bottom, screen top and chain rack
- Cross member spacing, minimum 8" on center.
- Heavy-duty dovetail approach plate
- Hydraulic winch with 20,000 lb. line pull, appropriately sized cable, tail chain and hook

- One metal lockable toolbox mounted on the frame, under the body, at a convenient front position (approximately 18" x 18" x 36")
- Chrome plated cylinder rods
- Hydraulic oil reservoir tank with replaceable filter
- Weather-resistant electrical system
- Wireless remote control for winch
- Emergency light bar mounted on cab-protector, separately switched and fused (direct wire from battery not acceptable), minimum 22" bar type or "wrecker's special" type integrating rear work lights for rollback deck
- All body lights shall be LED