

VEHICLE CATALOG AND SELECTION GUIDE

2023-2026



Office of Transit *(June 2023)*



OHIO DEPARTMENT OF
TRANSPORTATION

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Introduction

Welcome to the Ohio Department of Transportation (ODOT) Office of Transit's Vehicle Catalog & Selection Guide! This guide provides information on the current vehicles and add-on options available through ODOT's Cooperative Purchasing Program - Vehicle Term Contracts. ODOT maintains state and FTA-compliant vehicle contracts, in coordination with the Office of Contract Sales, for vehicle vendors to provide various types of vehicles needed by our FTA-funded program subrecipients. Other political subdivisions of Ohio are eligible to purchase vehicles on these contracts as well provided they follow the procedures in the Cooperative Purchasing Program found [here](#). Please use this guide to inform your agency's decision on what vehicle type and options are best suited for your needs.

Accessible Vehicles

The U.S. DOT's standards for accessible vehicles state that vehicles must include a lift or other level-change mechanism (i.e., ramp), which can accommodate mobility devices such as wheelchairs and scooters.

Vehicles in excess of 22' must provide at least two wheelchair positions. Vehicles 22' or shorter must provide at least one wheelchair to access a securement position.

Accessible vehicle requirements are quite detailed and vary based on a number of factors.

Additional requirements could include the following:

- Lifts and ramps design and dimensional standards
- Securement system design standards
- Priority seating signs
- Interior circulation, handrails, and stanchions
- Exterior and interior lighting
- Fare box placement
- Public information system
- Stop request sign
- Destination and route signs

All vehicles on ODOT contracts meet ADA standards.

Available Vehicles and Features

Modified Minivan (MMV)

This vehicle is very similar to the standard minivan; however, it is capable of accommodating up to two wheelchair passengers. The capacity is somewhat limited for ambulatory passengers. They are fuel efficient and maneuverable. This vehicle does not require a CDL or special licensing.

Accessible Van (AV) - gas/propane

This vehicle is larger than a standard minivan and is flexible enough to accommodate up to two wheelchair passengers or up to seven ambulatory passengers. The exterior has not been modified to make the vehicle accessible. Ambulatory passengers load from the side of the vehicle while passengers with mobility devices load from the lift in the rear of the vehicle. A side door lift is an option for this vehicle. This vehicle type that offers an all-wheel drive option. This vehicle does not require a CDL or special licensing.

Accessible Van (AV) - electric

This vehicle is identical to the AV - gas/propane, but it is an electric vehicle. There are some different add-on options to support the electric charging. All wheel drive is also an option on this vehicle.

Accessible Van (AV) - low floor

The AV - low floor includes a ramp, instead of a lift. Depending on vendors, vehicles can include bus doors or sliding doors. All wheel drive is also an option on this vehicle.

Light Transit Vehicle, Narrow Body (LTN)

This vehicle is a body on chassis vehicle, which makes the interior larger. It is available in two seating configurations. One configuration accommodates up to eight ambulatory and two wheelchair passengers (LTN 8-2) and the other configuration accommodates up to six ambulatory and three wheelchair passengers (LTN 6-3). Additionally, it is subject to mandatory Ohio State Highway Patrol annual bus inspections, unless you are an exempted party (counties, cities and political subdivisions are exempt). This vehicle does not require a CDL or special licensing.

Light Transit Vehicles, Wide Body (LTV)

This is a large, heavy-bodied vehicle that is available in five different seating configurations (LTV 0-6, LTV 12-2, LTV 12-3, LTV 13-2, and LTV 16-2). With these different configurations, this vehicle can accommodate up to sixteen ambulatory passengers or up to six wheelchair passengers. This vehicle is subject to mandatory Ohio State Highway Patrol annual bus inspections, and three configurations (12-3, 13-2, and 16-2) require a CDL to operate.

Light Transit Vehicle, Low Floor (LTL) 22'

This vehicle is similar to the LTV and LTN, however instead of steps to enter the passenger cabin, this vehicle has a lower floor, accessible from the curbside. Other light transit vehicles require climbing a set of steps to enter the passenger cabin. This vehicle has two different seating configurations (LTL 10-2, LTL 12-1). With these different configurations, this vehicle can accommodate up to twelve ambulatory passengers or up to two wheelchair passengers. This vehicle is subject to mandatory Ohio State Highway Patrol annual bus inspections, this vehicle doesn't require a CDL to operate.

Light Transit Vehicle, Low Floor (LTL) 25'

This vehicle is similar to the LTV and LTN, however instead of steps to enter the passenger cabin, this vehicle has a lower floor, accessible from the curbside. Other light transit vehicles require climbing a set of steps to enter the passenger cabin. This vehicle has is the largest of

the vehicles offered under this program and has three different seating configurations (LTL 12-2, LTL 12-3 and LTL 16-2). With these different configurations, this vehicle can accommodate up to sixteen ambulatory passengers or up to three wheelchair passengers. This vehicle is subject to mandatory Ohio State Highway Patrol annual bus inspections, and two configurations (12-3 and 16-2) require a CDL to operate.

Standard Features on All Vehicles

- Air conditioning
- Tilt steering wheel
- Cruise Control
- Adjustable driver's seat
- Automatic transmissions
- Power Steering and power brakes
- Heavy-duty equipment (cooling system, springs, and shock absorbers)
- Tinted glass on all windows
- Radial Tires
- Driver shaft guard (rear wheel drive and four-wheel drive only)
- Emergency exits
- Rubber floor covering
- Slip-resistant material on all steps, aisles, and wheelchair securement
- Emergency Equipment
- Rust proofing on chassis
- Left and right-hand outside mirrors with vision expansion system

Fuel Options for Vehicle Type

The table below summarizes the alternative fuel options by vehicle type. Not every vendor offers every option.

Vehicle Type	Fuel Options
AV	Electric
	LPG
LTV	CNG
	LPG
	Hydrogen
LTN	CNG
	LPG
	Hydrogen
LTL	None

Selecting the Proper Vehicle

This section is designed for applicants to determine the proper vehicle to meet their needs. You will be operating your vehicle for several years so it is important to take the time before purchasing a vehicle to review your transportation needs and requirements.

Factors to consider:

- Capacity Needs/Safety
- Client Needs/Comfort
- Purchase Price
- Type of Service/Environment
- Operating and Preventative Maintenance cost
- Future Needs
- Regulatory Requirements
- ADA requirements
- Ability to train or hire drivers with a Commercial Drivers License (CDL)

Questions regarding your needs and requirements:

1. What are your capacity needs?

Consider the following:

- The maximum number of individuals the vehicle will transport at the same time and on a regular basis.
- How many ambulatory and non-ambulatory riders will be transported at the same time and on a regular basis?
- The size of the vehicle, projected maintenance costs, fuel costs, agency budget for transportation, driver requirements (e.g. CDL, State Highway Patrol inspections, local licensing requirements, etc.)
- Administrative costs including the cost of regulatory compliance.

2. What are the environmental conditions of your service area?

- **Rural Area:** These areas are generally characterized by narrow, twisting roads and often involve travel on unpaved (e.g. gravel and dirt) surfaces. Travel distances tend to be greater and speeds higher than in other types of services areas.
- **Residential Neighborhoods:** These areas often have narrow, dead-end streets and cul-de-sacs. A vehicles width and length can make for difficult maneuvering in tight areas, especially where backing up is required or where parked vehicles may be present.
- **Cities and Villages:** These areas generally have through streets (i.e. no dead ends or cul-de-sacs) with sufficient width to accommodate any vehicle offered under the ODOT program. Height, however, may be a problem when accessing parking garages, apartments building entrance overhangs, and other similar structures.

3. What type of service will the vehicle provide?

- **Demand Response:** This service involves door-to-door or curb-to-curb transportation with routes and schedules that change daily in response to rider demands for service. Clientele served includes seniors, persons with disabilities, as well as general public riders in rural areas.

- **Fixed Route:** A system of providing designated public transportation on which a vehicle is operated along a prescribed route according to a fixed schedule. Clientele served includes general public riders and individuals needing paratransit services.
4. **How much will the vehicle cost to purchase and operate?**

Agencies may have very limited budgets, and vehicles are expensive to purchase, operate and maintain. The heavier and higher capacity the vehicles, the more it will cost to operate. Larger vehicles tend to consume more fuel, have high maintenance costs, and are more expensive to insure than smaller vehicles.
 5. **Will drivers need a CDL?**

Drivers must obtain a CDL whenever they operate a vehicle originally configured to transport more than 15 persons plus the driver. Obtaining a CDL is a time-consuming and rigorous process. CDL drivers are subject to US DOT/ FMCSA requirements. Requirements can be found on [FMCSA CDL website](#).
 6. **What level of comfort do your clients need?**

The type of clients you serve (e.g. seniors, persons with disabilities, etc.) and the type of service you operate (demand response, fixed route, group trips) will have a large bearing on your selection. Elements to consider include:

 - Mobility within the vehicle (e.g. space between the seats)
 - Wheelchair maneuverability
 - Height of steps
 7. **Can you store and clean a large vehicle?**

Large vehicles require more storage room. If you are storing the vehicle outside, make sure your lot is large enough. Outside storage in winter may cause problems for operating hydraulic equipment, such as the lift. If storing in a garage, make sure the vehicle will clear the entrance on the top and sides and that there is adequate room inside to store and maneuver the vehicle.

Modified Mini Van (MMV)

This vehicle is a standard production minivan modified by lowering the floor and, in some cases, modifying the roof at the entryway to provide the 58" headroom required by ADA. It is the smallest accessible vehicle, able to convert into two configurations accommodating up to two wheelchair passengers and four ambulatory passengers.

Lifts are not available on this vehicle. Instead the MMVs are equipped with a manual ramp that unfolds for riders using wheelchairs. With the lowered floor, the ramp entry angle is quite low which, in some situations, allows riders using wheelchairs to board the vehicle unassisted. The vehicle is reinforced with sturdy cross-members, giving it a lower center of gravity for a smoother ride while maintaining full driving capabilities. This vehicle is built lower to the ground, so it may be harder to operate on some terrain.

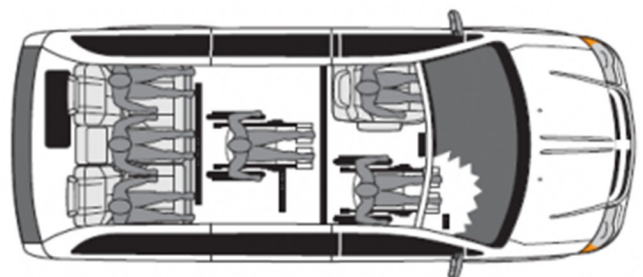
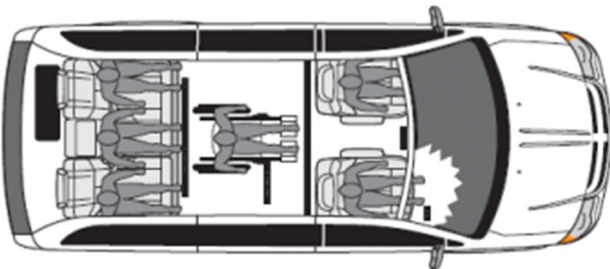
Vehicle Summary:

- Capacity Options (ambulatory/non-ambulatory): 4/2
- Wheelchair accessible: side mounted ramp
- Length: 16.875'
- Width: 72"
- Height: 73"
- Road conditions: Not recommended in low ground clearance areas
- Suggested services Type: Demand response
- Maintenance: Normal preventative maintenance with added care to accessibility components

Standard Equipment:

- 3.3 Liter, V6 Engine
- OEM Single battery capacity
- 100-amp alternator (OEM Standard)
- 19 gallon fuel tank
- Rear window defroster/washer/wiper
- Sliding side door
- Adjustable driver's seat
- Side ramp

Floor plans



Accessible Van (AV) - Gas/LPG

This vehicle is larger than the modified minivan and is flexible enough to accommodate any combination of seven ambulatory passengers and two wheelchair passengers. The exterior of this vehicle has not been modified to make the vehicle accessible. Ambulatory passengers load from the side of the vehicle while passengers with mobility devices using the lift (wheelchairs, scooters, etc.) load from the rear of the vehicle. A side lift is an option. This vehicle is smaller, more maneuverable, and more fuel efficient than the Light Transit Vehicles (LTN, LTV, LTL). This vehicle does not require a CDL or special licensing.

Vehicle Summary:

- Capacity options (ambulatory/non ambulatory): 7-2
- Wheelchair accessible: Yes
- Length: 19.6'
- Width: 81.3"
- Height: 99"
- Road Conditions: Rear lift option may be difficult to use on curbsides
- Suggested Service Type: Demand response
- Maintenance: Normal preventative maintenance with added care to accessibility components

Standard Equipment:

- 3.6 Liter, V6 Engine
- OEM single battery capacity
- 150-amp alternator (OEM Standard)
- 25 gallon fuel tank
- Sliding side door
- Adjustable drivers seat
- Back-up camera in rear-view mirror
- Rear entry 800lb. capacity lift w/securements

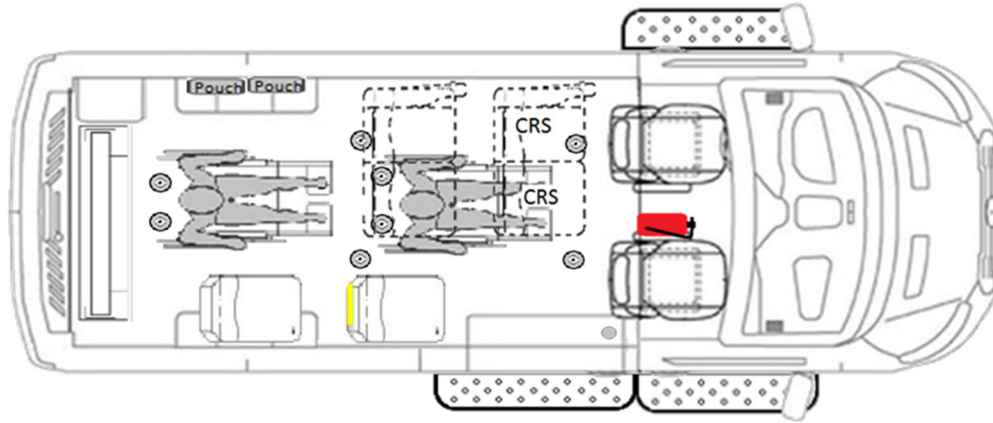
Optional Equipment:

- Rear entry 1000lb. capacity lift w/securements
- Oxygen tank securement system
- Storage area (medical walker)
- Color paint
- Bike rack
- LPG conversion
- All-wheel drive
- Dual compressor rear A/C
- Child seat
- PA system
- Radio ground plane
- Catalytic converter guard
- Bus door

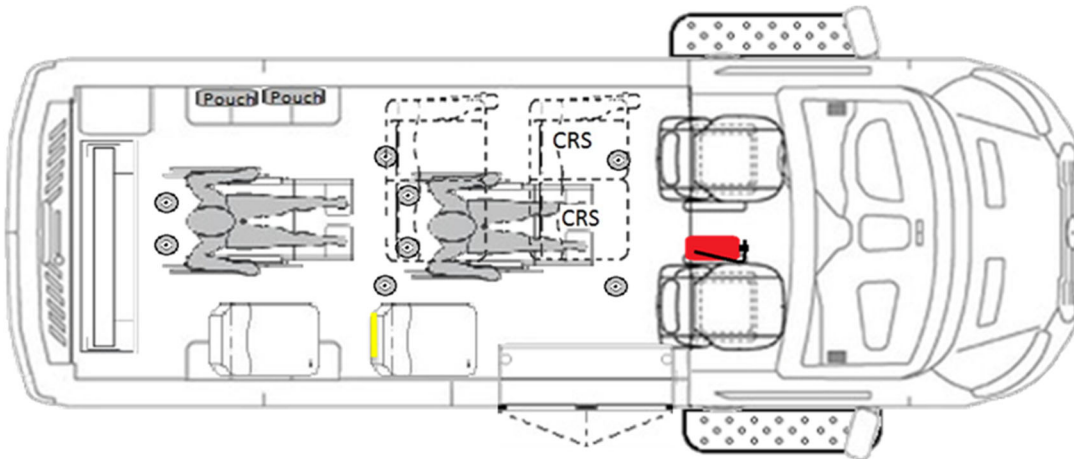
- Side door lift

Floor plans

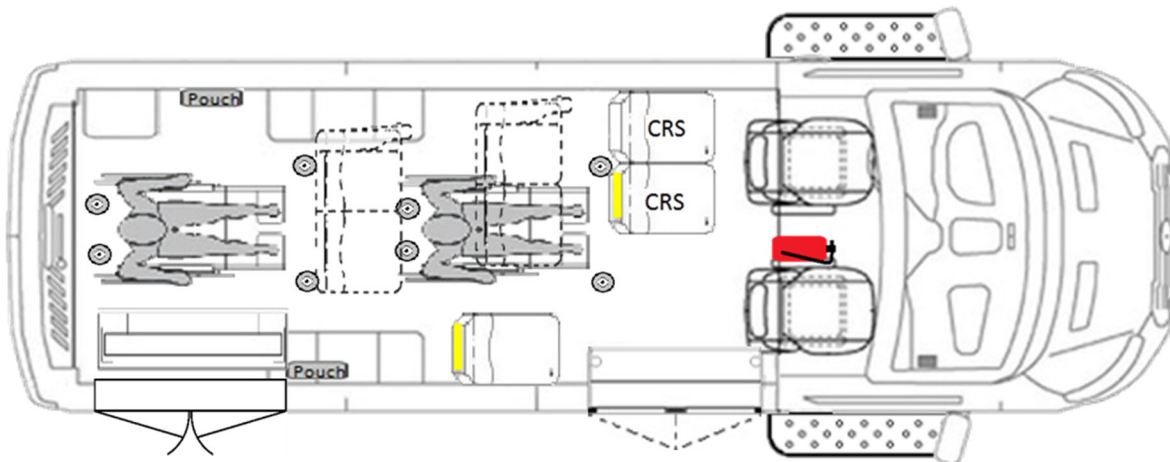
American Bus base floor plan



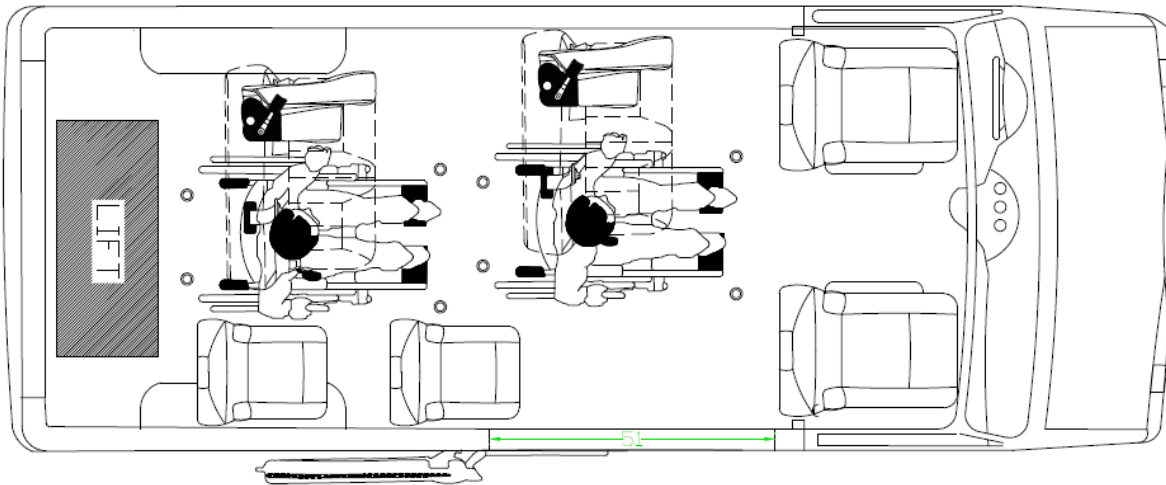
American Bus floor plan with bus door and rear lift



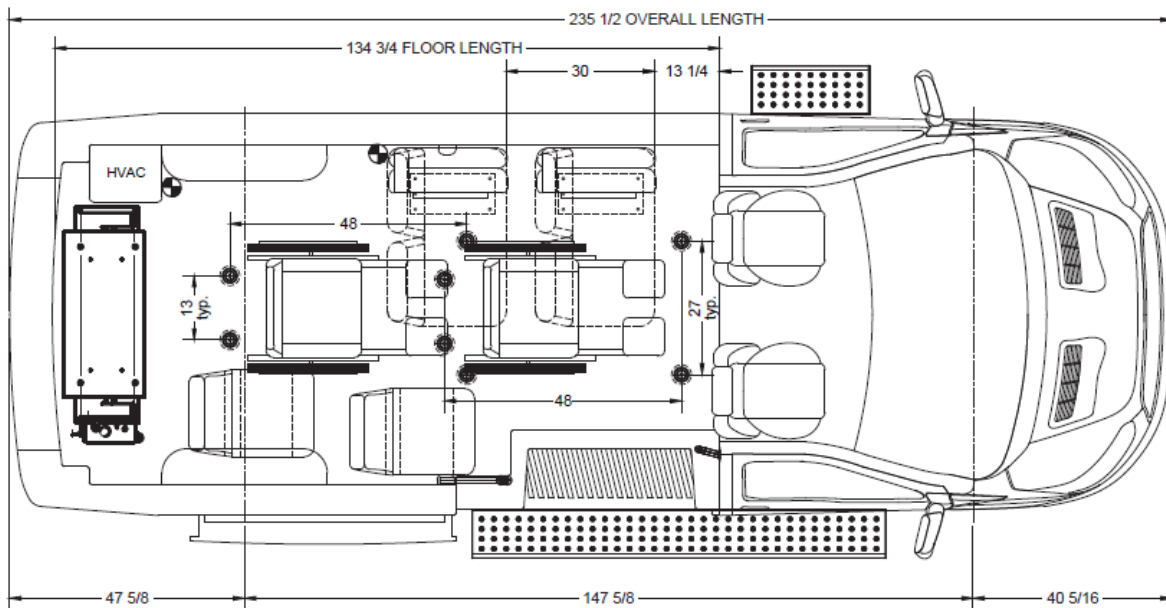
American Bus floor plan with side door lift



BSI base floor plan



Tesco base floor plan



Accessible Van (AV) - Electric

This vehicle is identical to the AV - gas/LPG, but it is an electric vehicle. It is larger than the modified minivan and is flexible enough to accommodate any combination of seven ambulatory passengers and two wheelchair passengers. The exterior of this vehicle has not been modified to make the vehicle accessible. Ambulatory passengers load from the side of the vehicle while passengers with mobility devices using the lift (wheelchairs, scooters, etc.) load from the rear of the vehicle. A side lift is an option. This vehicle is smaller, more maneuverable, and more fuel efficient than the Light Transit Vehicles (LTN, LTV, LTL). This vehicle does not require a CDL or special licensing.

Vehicle Summary:

- Capacity Options (ambulatory/non ambulatory): 7/2
- Wheelchair Accessible: Yes
- Length: 19.6'
- Width: 81.3"
- Height: 99"
- Road Conditions: Rear lift option may be difficult to use on curbsides
- Suggested Service Type: Demand response
- Maintenance: Normal preventative maintenance with added care to accessibility components

Standard Equipment:

- 150-amp Alternator (OEM Standard)
- Battery - 68 kWh
- Sliding side door or
- Adjustable drivers seat
- Back-up camera in rear-view mirror
- Rear entry 800lb. capacity lift w/securements
- Ford mobile charger
- All-wheel drive

Optional Equipment:

- Rear Entry 1000lb. capacity lift w/securements
- Oxygen tank securement system
- Storage area (medical walker)
- Color paint
- Bike rack
- All-wheel drive
- Dual compressor rear A/C
- Child seat
- PA system
- Radio ground plane
- Bus door
- Side door lift

- Ford Pro AC Charging System (included for free with some vendors)
- Ford Pro Charging Software (only available with some vendors)

Floor plans

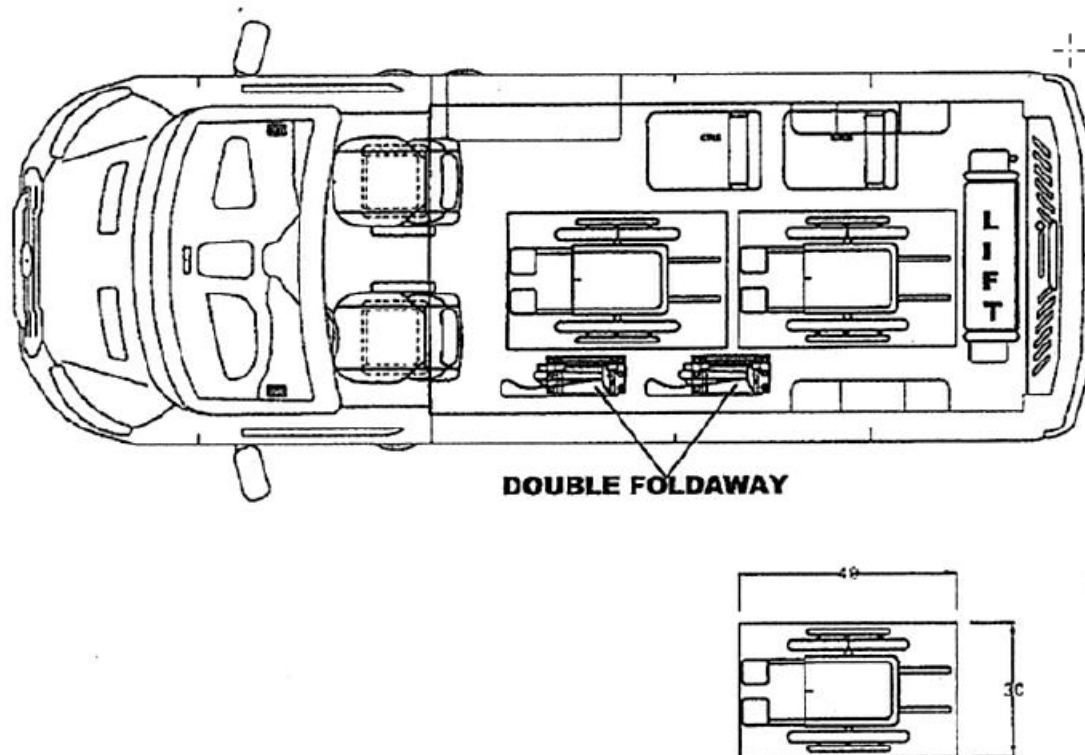
BSI base floor plan

Identical to AV - gas/LPG floor plan

Tesco base floor plan

Identical to AV - gas/LPG floor plan

Valley Ford Truck base floor plan



Accessible Van (AV) - Low floor

This vehicle is a similar size to the AV - gas/LPG and AV - electric, but it is a low floor vehicle. It is larger than the modified minivan and is flexible enough to accommodate any combination of seven ambulatory passengers and two wheelchair passengers. Ambulatory passengers load from the side or the rear of the vehicle, depending on the vendor. This vehicle is smaller, more maneuverable, and more fuel efficient than the Light Transit Vehicles (LTN, LTV, LTL). This vehicle does not require a CDL or special licensing.

Vehicle Summary:

- Capacity options (ambulatory/non ambulatory): 7/2
- Wheelchair accessible: Yes
- Length: 20.8'
- Width: 80.3"
- Height: 102.5"
- Suggested service type: Demand response
- Maintenance: Normal preventative maintenance

Standard Equipment:

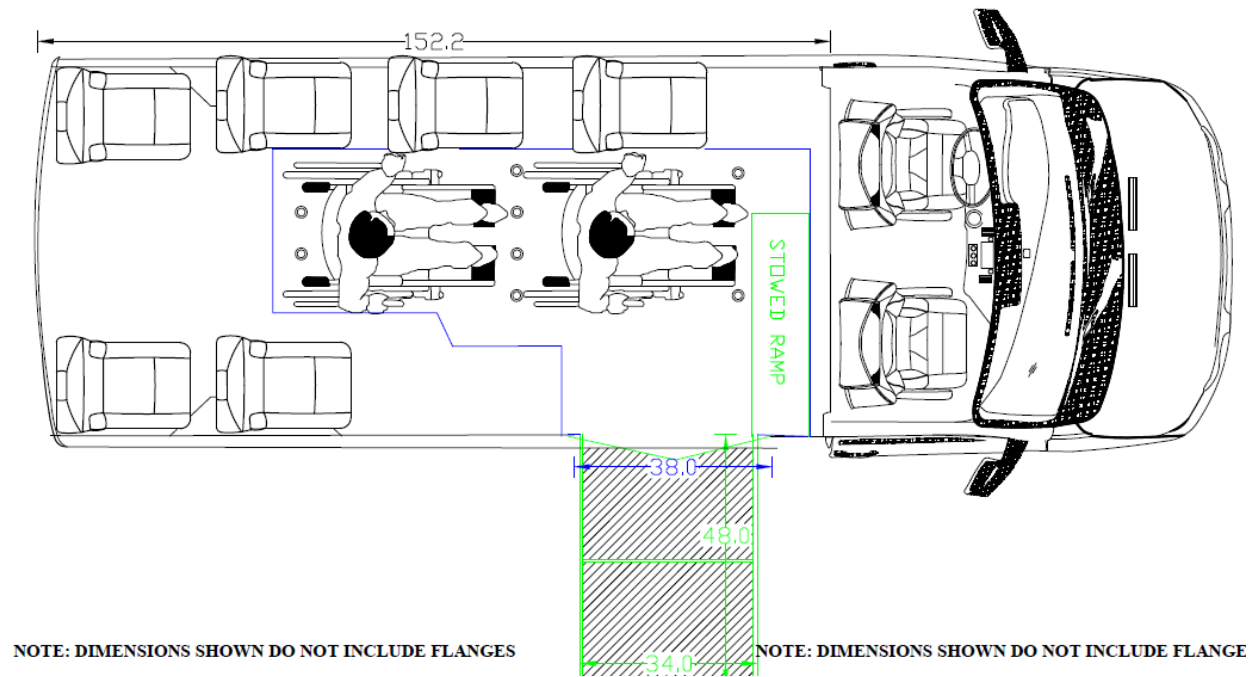
- 3.6 Liter, V6 Engine
- OEM single battery capacity
- 150-amp alternator (OEM standard)
- 24-25 gallon fuel tank
- Sliding side door or bus door
- Side door lift or rear door lift
- adjustable drivers seat
- Back-up camera in rear-view mirror
- Rear entry 800lb. capacity lift w/securements

Optional Equipment:

- Rear entry 1000lb. capacity lift w/securements
- Oxygen tank securement system
- Storage area (medical walker)
- Color paint
- Bike rack
- LPG conversion
- All-wheel drive
- Dual compressor rear A/C
- Child seat
- PA system
- Radio ground plane
- Catalytic converter guard
- Bus door
- Side door lift

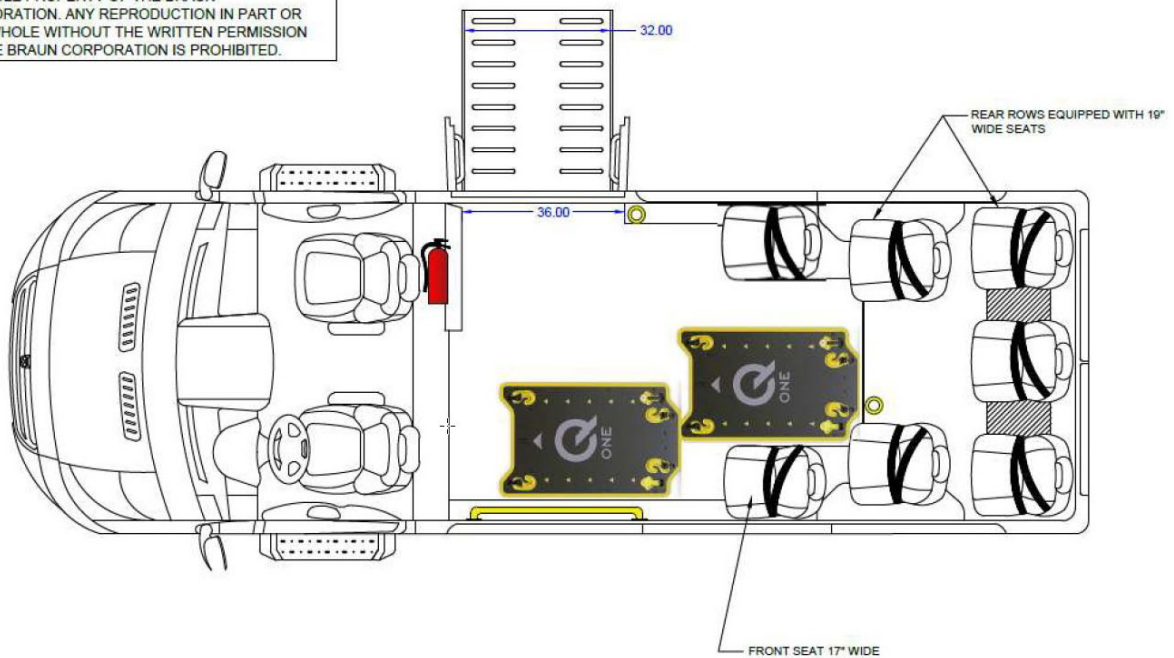
Floor plans

BSI base floor plan

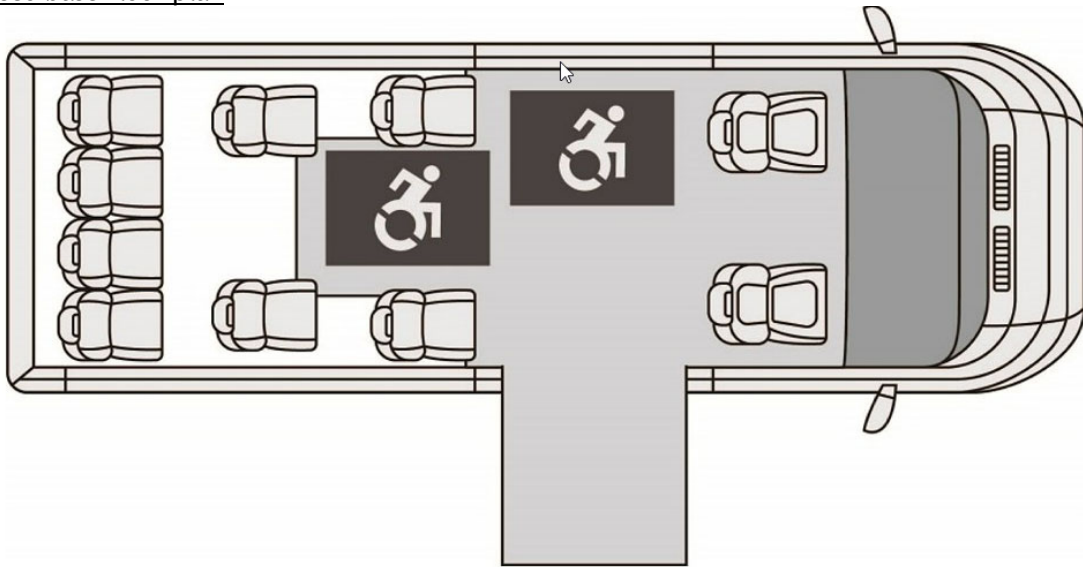


Model 1 (formerly Creative Bus Sales) base floor plan

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Tesco base floor plan



Light Transit Vehicle - Narrow Body (LTN)

This vehicle uses a cutaway chassis and features dual tires on the rear axle. A custom designed full body passenger compartment is added to the chassis. This vehicle features large windows and one-piece exterior body panels to present a smooth, pleasant exterior appearance. This vehicle is available in two configurations, LTN 6-3 and LTN 8-2. The LTN 6-3 can fit six ambulatory passengers and three wheelchair while LTN 8-2 can fit eight ambulatory passengers and two wheelchairs.

All LTNs are equipped with an accessibility package. The lift is installed on the back passenger side of the vehicle. A transit-style passenger door and steps are standard on this vehicle.

In comparison to the LTVs, the LTNs have less interior space for wheelchairs and passenger maneuverability (LTV width 90", LTN width 81.5"). They both have corrosion free bodies; good ground clearance and share the same vehicle options. A CDL is not required for these vehicles, but they are subject to mandatory Ohio State Highway Patrol annual bus inspections.

Technological improvements in the construction of this vehicle have resulted in a sturdier structure. The suspension has added support for the wheelchair lift, which provides for a smoother ride and longer under carriage component life. The entire chassis of the vehicle is coated with a robust anticorrosive treatment, which limits the effects of rust and corrosion.

Vehicle Summary:

- Capacity options (ambulatory/non-ambulatory): 6-3, 8-2
- Wheelchair accessible: Yes
- Length: 20'
- Width: 88"
- Height: 110" (10' maximum exterior height)
- Road conditions: Low hanging branches in residential areas may cause damage to top of vehicle
- Suggested service type: Demand response
- Maintenance: Preventative maintenance plan and documented compliance with maintenance intervals required

Standard Equipment:

- 3.5 Liter, V6 Engine
- 25 gallon fuel tank
- Passenger service entry door with standing headroom in doorway
- Window tint: Safety/solar tinted glass

Optional Equipment

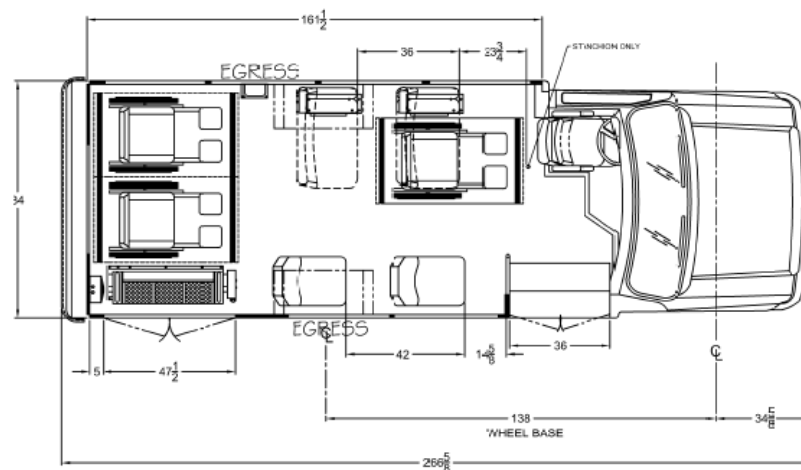
- Optional equipment for all Light Transit Vehicles (LTV's) can be found on Page 33

Available Configurations:

LTN Description	Ambulatory Seating	Wheelchair Positions	Total Seating	Jump Seat
LTN 6-3	6	3	8	2
LTN 8-2	8	2	10	2

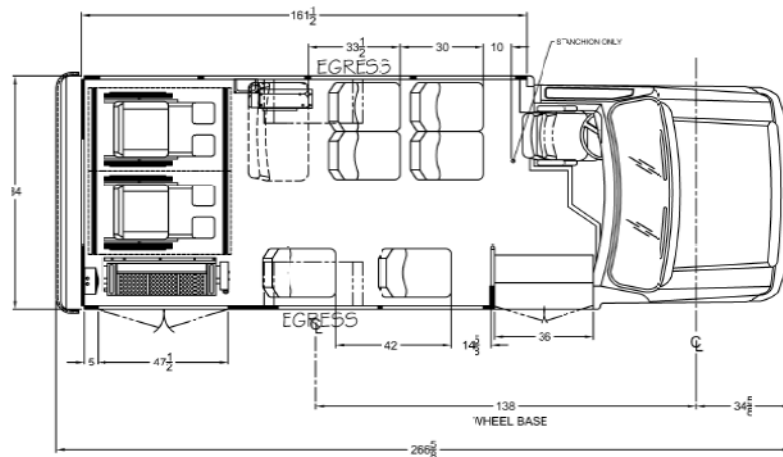
Floor plans**LTN 6-3**

This vehicle seats up to six ambulatory passengers and three wheelchair passengers. Two of the wheelchair positions are located opposite the rear lift entrance. The third position is located at the left front of the vehicle, ahead of the fold up seats. Interior wheelchair maneuverability is severely limited when using all three wheelchair positions at once. Ambulatory seating consists of two rows of double foldaway seats and two rows of single forward facing seats. The fold up seats will ease wheelchair maneuverability but may entail asking ambulatory passengers to move when loading or unloading a wheelchair passenger.



LTN 8-2

This vehicle seats up to eight ambulatory passengers and two wheelchair passengers. The two forward facing wheelchair positions are located opposite the rear lift entrance. Interior wheelchair maneuverability is severely limited when using both wheelchair positions at once. Ambulatory seating includes six-regular forward-facing seats and a forward facing, two passenger, three-step fold away seat directly in front of the wheelchair position. Forward facing jump seats for up to two additional ambulatory passengers may be ordered as an option, and they will be located at the wheelchair positions. These jump seats should only be used on an occasional basis and should not be counted as part of the total number of ambulatory seats.



Light Transit Vehicle - (LTV)

This vehicle is available in two different body sizes, 22' and 25', with the latter accommodating as many as sixteen ambulatory positions and two wheelchair positions at the same time. Five different floor plans are offered, making the LTV the most versatile vehicle under this program. These floor plans include the LTV 0-6, LTV 12-2, LTV 12-3, LTV 13-2 and the LTV 16-2.

All LTVs are equipped with an accessibility package. The lift is installed either on the right front curbside of the vehicle or the right rear curbside. LTVs on the 25 foot chassis will be equipped with a minimum of two mobility aid positions to meet ADA requirements. LTVs offer superior boarding, exiting, and interior mobility. A transit-style passenger door and steps are standard on this vehicle. The LTVs consist of a cutaway truck chassis with a full body passenger compartment added. These bodies are custom designed and generally feature large windows and one-piece exterior body panels to present a smooth, pleasing exterior appearance. The LTV is either fiberglass over steel (LTV-FS) (steel cage coated with rust inhibiting primer, exterior panels or outer skin of the body constructed of high gloss fiberglass) or honeycomb construction (LTV-HC) (formed by a fiberglass structural sandwich of panels together to form a complete integrated body unit).

A CDL is required to operate the LTV 12-3, 13-2, and 16-2. Additionally, all LTV vehicles are subject to mandatory Ohio State Highway Patrol annual bus inspection requirements.

Vehicle Summary:

- Capacity options (ambulatory/ non-ambulatory): 0-6, 12-2, 12-3, 13-2, 16-2
- Wheelchair accessible: Yes
- Length: 22.5' or 25'
- Width: 98"
- Height: 110" (10' maximum exterior height)
- Road conditions: overhead clearance might be a problem, not suited for narrow, twisting roads that restrict the vehicle width
- Suggested service type: LTV-22 and LTV-25 are not recommended for some demand response type service.
- Maintenance: Preventative maintenance plan and documented compliance with maintenance interval is required.

Standard Equipment:

- 7.3 liter, V8 Engine
- 40- 55-gallon fuel tank
- Passenger service entry door with standing headroom in doorway
- Fiberglass over steel frame or honeycomb fiberglass body panels
- Rear tow hooks

Optional Equipment:

- Optional equipment for all Light Transit Vehicles (LTV's) can be found on Page 33

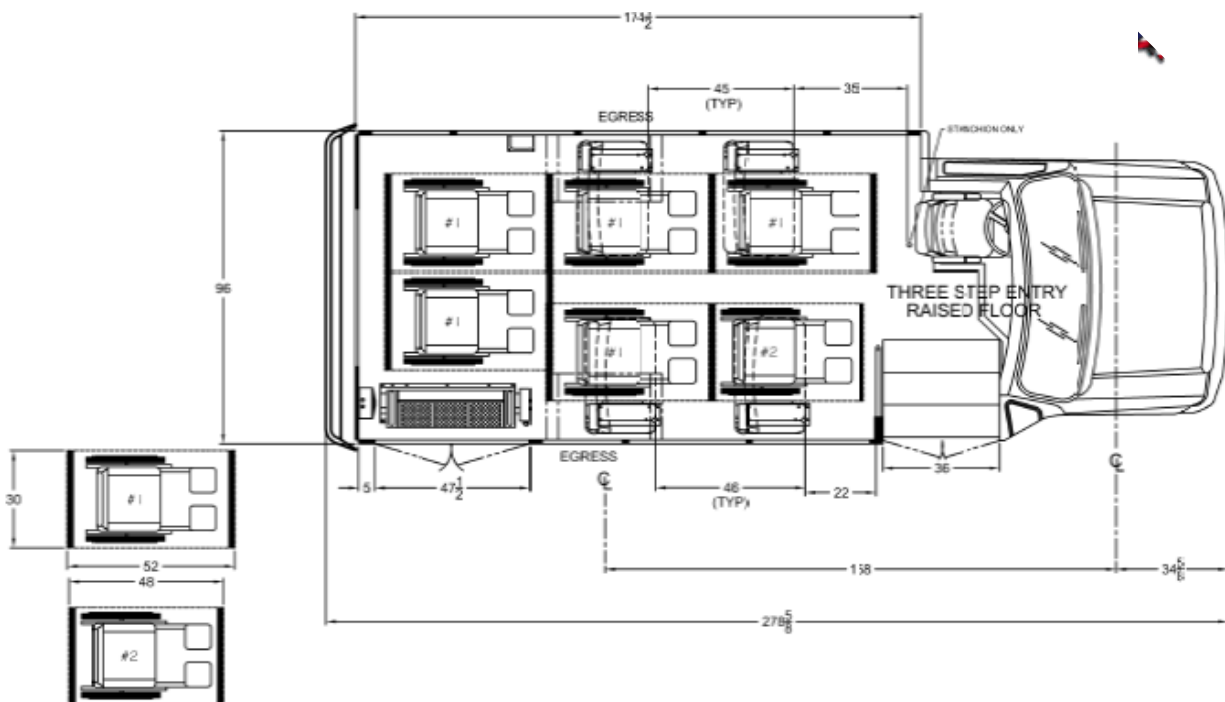
Available Configurations: (*=Requires CDL License)

Vehicle Size	LTV Description	Ambulatory Seating	Wheelchair Positions	Total Seating	Jump Seat
22-Foot Vehicle	0-6	0	6	6	0
	12-2	12	2	14	2
25-Foot Vehicle	12-3*	12	3	15	4
	13-2*	13	2	15	2
	16-2*	16	2	18	2

Floor Plans

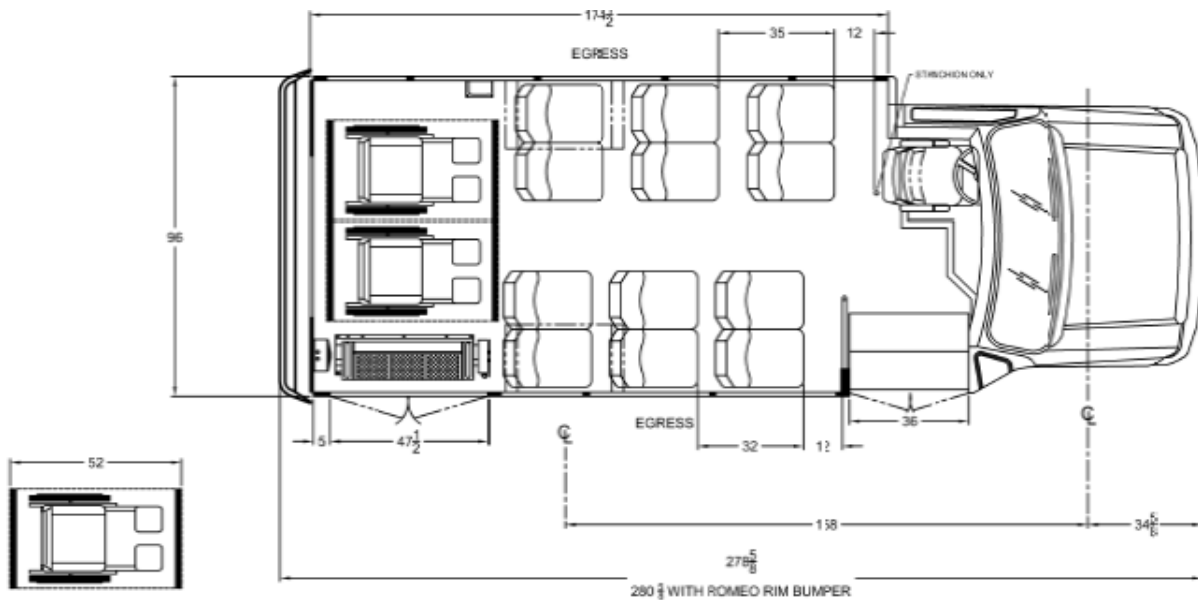
LTV 0-6

This vehicle is 22' and seats up to six wheelchair passengers. Wheelchair positions are located throughout the body of the vehicle and are all forward facing. Four three-step foldaway seats are located in front of the wheelchair positions to provide ambulatory seating for four passengers when the wheelchair positions are not used. The flat floor option must be chosen when requesting this configuration.



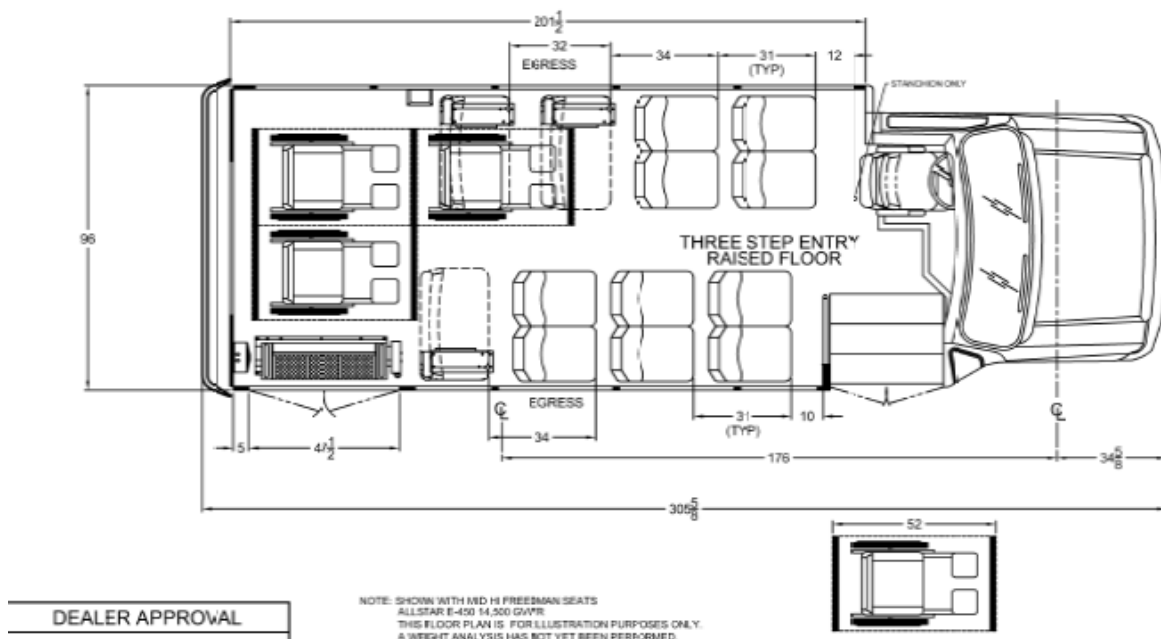
LTV 12-2

This vehicle is 22' and seats up to twelve ambulatory riders and two wheelchair passengers. Both forward facing wheelchair position are located directly opposite the rear side lift entrance. Wheelchair maneuverability may become difficult when using both wheelchair positions at once. Ambulatory seating includes 12 forward facing positions. Forward facing jump seats for up to two ambulatory passengers may be ordered as an option. They will be located at the wheelchair position locations, should be used on an occasional basis and should not be counted as part of the total number of ambulatory seats.



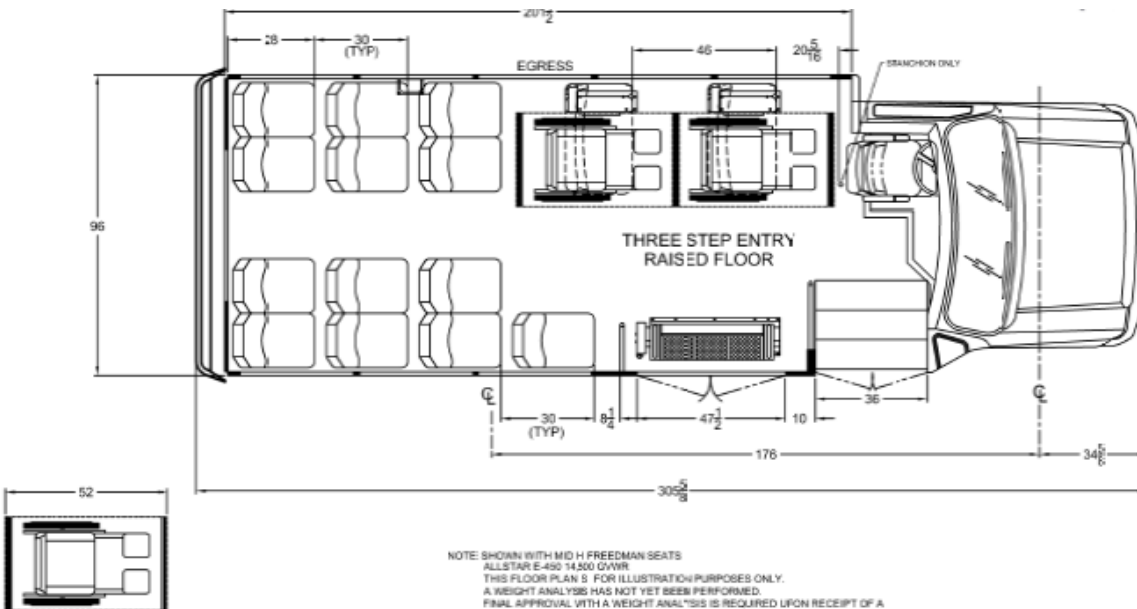
LTV 12-3

This vehicle is 25' and seats up to twelve ambulatory passengers and three wheelchair passengers. Two of the wheelchair positions are located directly opposite the rear side lift entrance, while the other is adjacent to the other two with all wheelchair positions facing forward. Ambulatory seating includes eight forward facing regular seats and four aisle facing fold up seats. The fold up seats will ease wheelchair maneuverability but may entail asking passengers to move when loading or unloading a wheelchair passenger. Two forward facing jump seats for up to may be ordered as an option. They will be located at the adjacent wheelchair position, should be used only on an occasional basis and should not be counted as part of the total number of ambulatory seats.



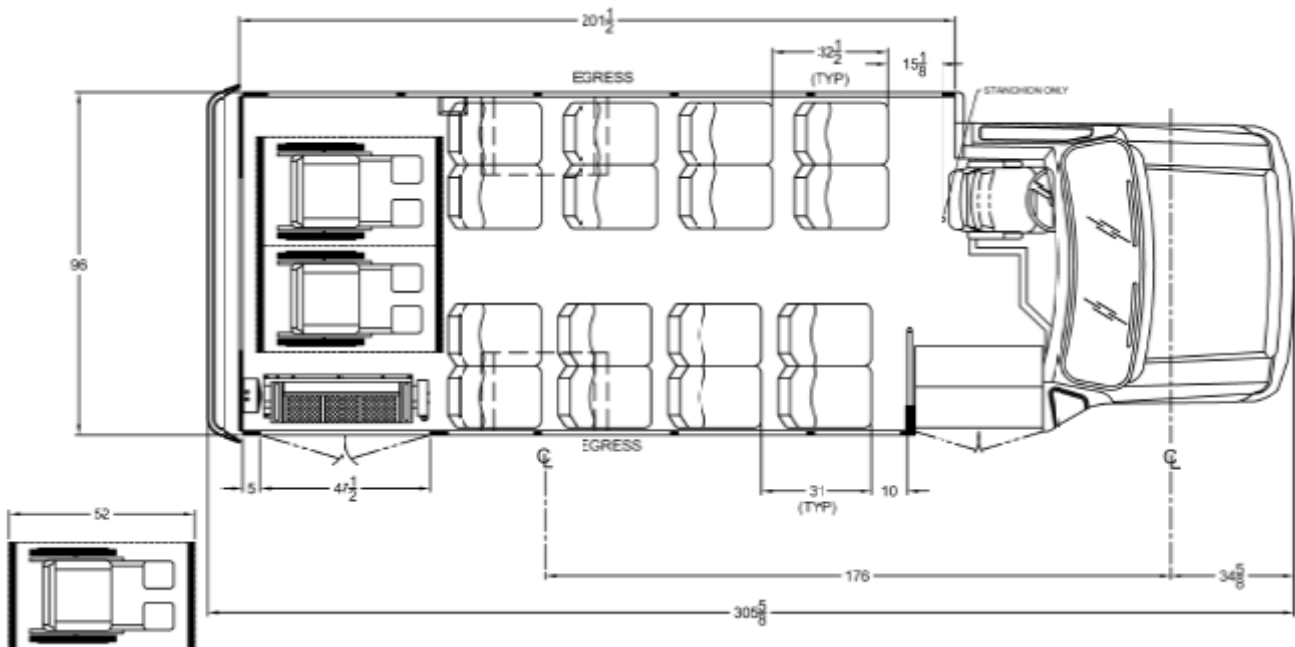
LTV 13-2

This vehicle is 25' and seats up to thirteen ambulatory passengers and two wheelchair passengers. Both of the forward-facing wheelchair positions are located opposite of the front side lift entrance. The ambulatory seating is located towards the back of the bus and includes three rows of double seats on each side of the bus and a single seat on the passenger side near the lift. Two forward facing jump seats for up to may be ordered as an option. They will be located at the wheelchair positions, should be used only on an occasional basis and should not be counted as part of the total number of ambulatory seats.



LTV 16-2

This vehicle seats up to sixteen ambulatory passengers and two wheelchair passengers. Both forward facing wheelchair positions are located directly opposite the rear side lift entrance. Wheelchair maneuverability may become difficult when using both wheelchair positions at once. Ambulatory seating includes four rows of double seats on each side of the bus, resulting in 16 fixed position seats. Forward facing jump seats for up to two additional ambulatory passengers may be ordered as an option. They will be located at the wheelchair position locations, should be used only on an occasional basis and should not be counted as part of the total number of ambulatory seats.



Light Transit Vehicle - Low Floor (LTL)

The largest vehicle offered under this program, the LTL features a spacious vehicle cabin with a lower floor for better passenger mobility. This vehicle is similar to the LTV and LTN except instead of having to climb steps to enter the passenger cabin, the bus deck of the vehicle is more closely aligned with the curbside. While the other Light Transit Vehicles have hydraulic lifts that transport wheelchair passengers into the cabin, this low floor vehicle features a ramp that extends from the transit door onto the curbside, similar to the ramp on the Modified Mini Van (MMV).

Similar to the LTV, the LTL is offered in various body lengths and seating configurations; the LTL 10-2, LTL 12-1, LTL 12-2, LTL 12-3 and LTL 16-2. A transit-style passenger door, lowered floor, and ramp are standard on this vehicle. The LTL consist of a cutaway truck chassis with a full body passenger compartment added. These bodies are custom designed with fiberglass used over a steel frame.

The LTL 12-3 and LTL 16-2 require CDL licenses to operate. Additionally, all LTL vehicles are subject to mandatory Ohio State Highway Patrol annual bus inspection requirements.

Vehicle Summary:

- Capacity options (ambulatory/ non-ambulatory): 10-2, 12-1, 12-2, 12-3, 16-2
- Wheelchair accessible: Yes
- Length: 22' or 25'
- Width: 102"
- Height: 111" (10' maximum exterior height)
- Road conditions: Overhead clearance might be a problem, not suited for narrow, twisting roads that restrict the vehicle width
- Suggested service type: Not recommended for demand response service, should operate on a fixed route if possible.
- Maintenance: Preventative maintenance plan and documented compliance with maintenance interval is required.

Standard Equipment:

- 6.6 liter, V8 Engine (LTL 25')
- 7.3 liter, V6 Engine (LTL 22')
- 225 amp alternator
- 24 gallon (LTL 22') - 57 gallon (LTL 25') fuel tank
- Passenger service entry door with standing headroom in doorway
- Fiberglass over steel or composite body structure
- Rear tow hooks

Optional Equipment:

- Optional equipment for all Light Transit Vehicles (LTV's) can be found on Page 33

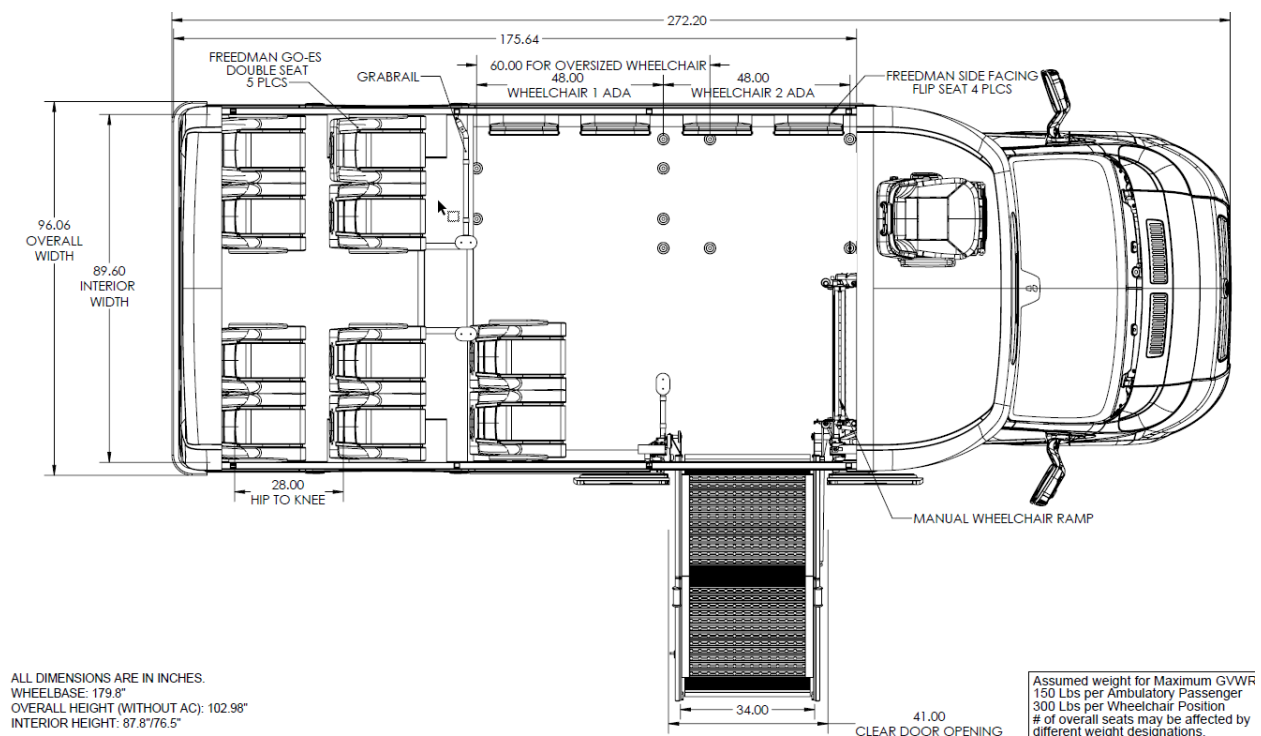
Available Configurations:

Vehicle Size	LTL Description	Ambulatory Seating	Wheelchair Positions	Total Seating	Jump Seat Position
22-Foot Vehicle	LTL 10-2	10	2	12	
	LTL 12-1	12	1	13	4
25-Foot Vehicle	LTL 12-2	12	2	14	2
	LTL 12-3	12	3	15	6
	LTL 16-2	16	2	18	4

Floor plans:

LTL 10-2

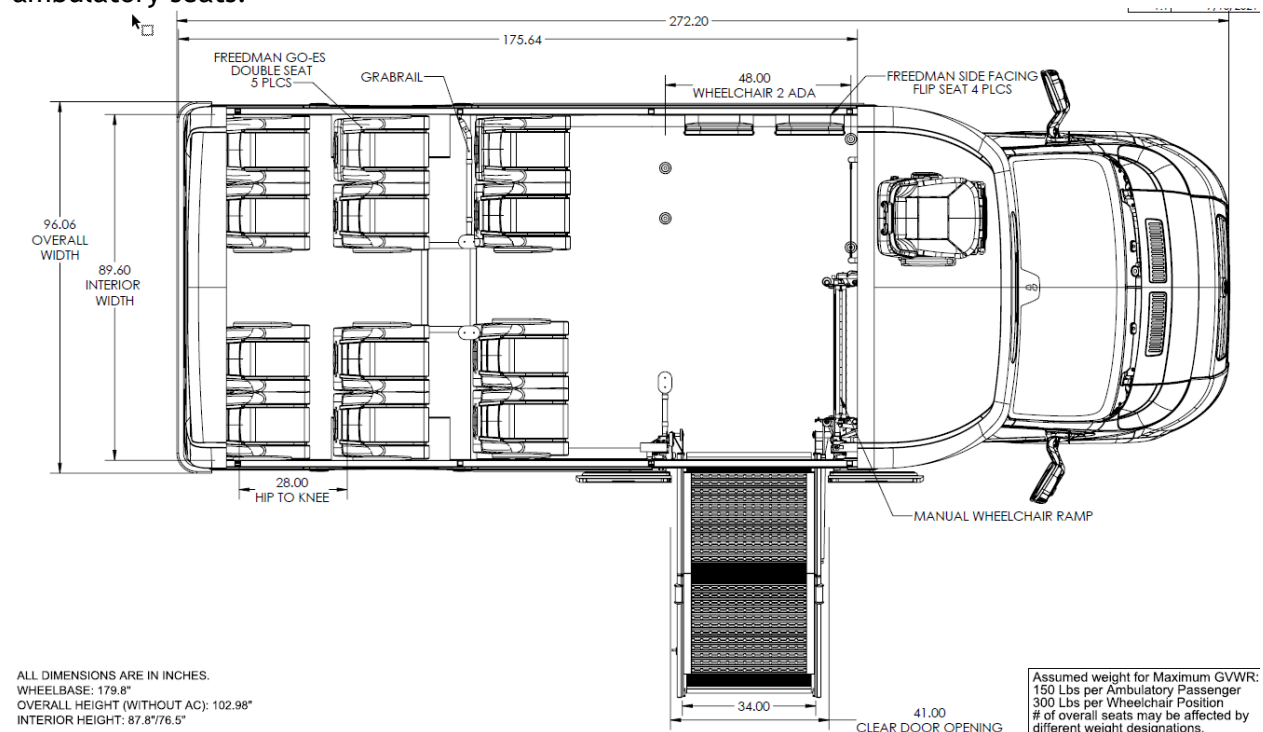
This vehicle seats up to ten ambulatory passengers and two wheelchair passengers. Both forward facing wheelchair positions are located in the front driver's side portion of the passenger cabin. Wheelchair maneuverability should not be an issue when using both wheelchair positions at once. Ambulatory seating includes two rows of double seats on the driver's side and three rows of double seats on the passenger side of the bus, resulting in 10 fixed position seats. The four jump seats located behind the driver's seat should be used only on an occasional basis and should not be counted as part of the total number of ambulatory seats.



LTL 12-1

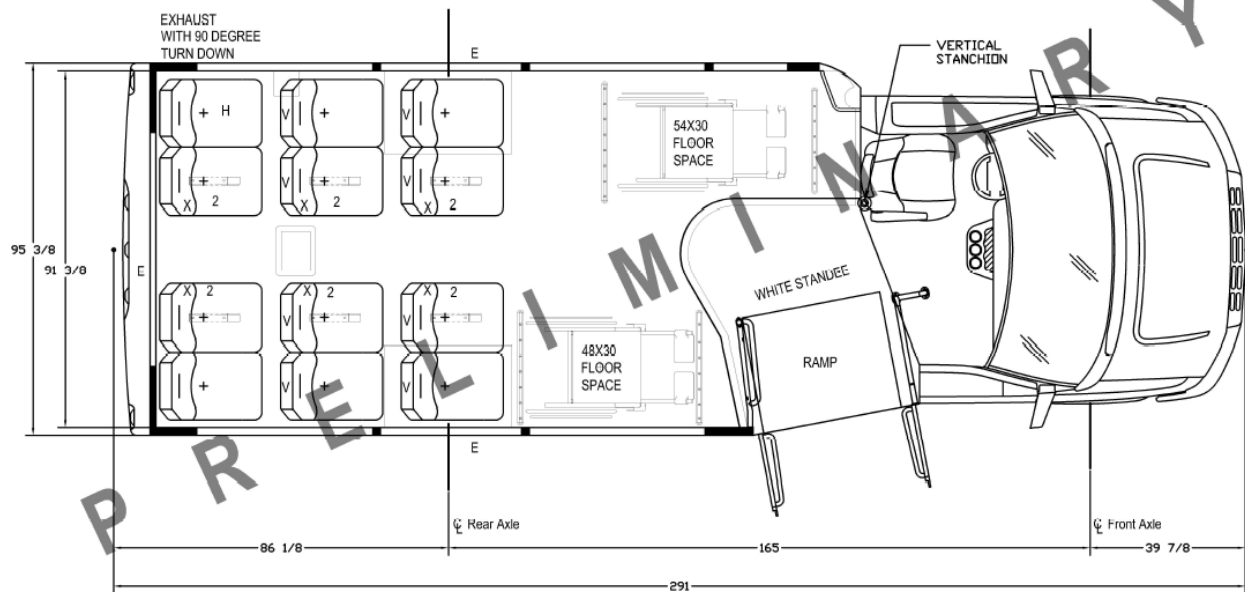
This vehicle seats up to twelve ambulatory passengers and one wheelchair passenger. Both forward facing wheelchair positions are located in the front driver's side portion of the passenger cabin. Ambulatory seating includes three rows of double seats on the driver's side and three rows of double seats on the passenger side of the bus, resulting in 12 fixed position seats. Forward facing jump seats for up to two additional ambulatory passengers may be

ordered as an option. They will be located at the wheelchair position locations, should be used only on an occasional basis and should not be counted as part of the total number of ambulatory seats.



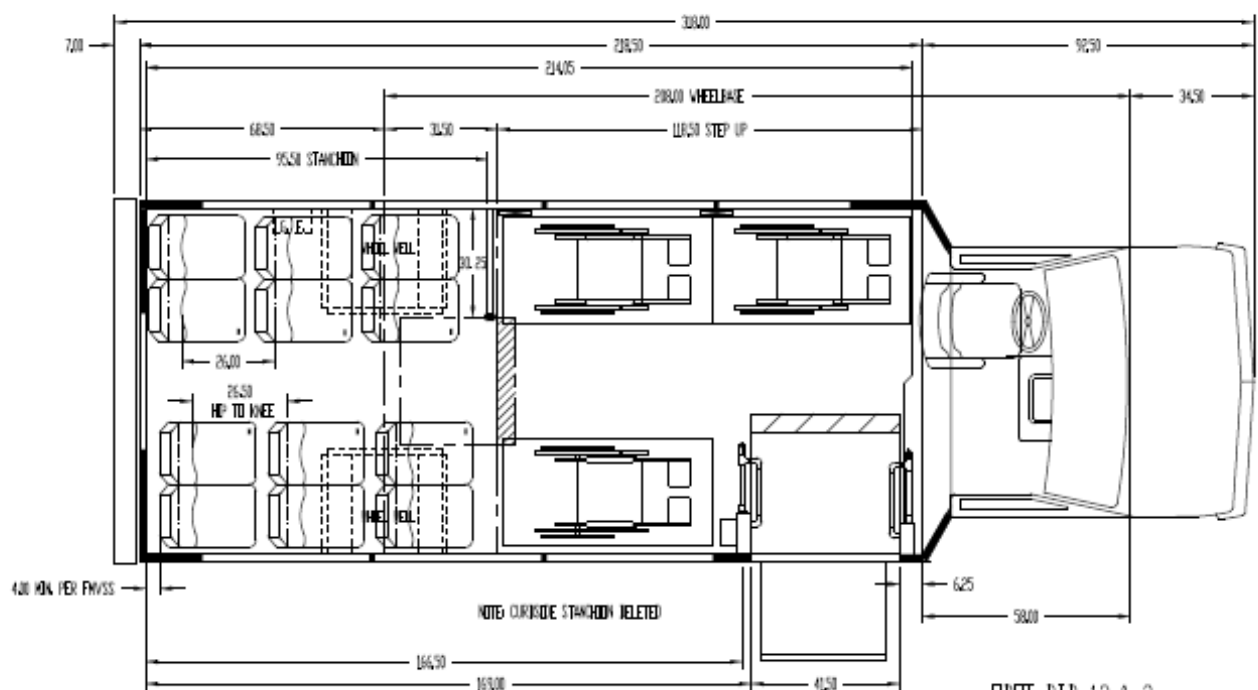
LTV 12-2

This vehicle is 22' and seats up to twelve ambulatory riders and two wheelchair passengers. Both forward facing wheelchair position are located directly opposite the rear side lift entrance. Wheelchair maneuverability may become difficult when using both wheelchair positions at once. Ambulatory seating includes 12 forward facing positions. Forward facing jump seats for up to two ambulatory passengers may be ordered as an option. They will be located at the wheelchair position locations, should be used on an occasional basis and should not be counted as part of the total number of ambulatory seats.



LTL 12-3

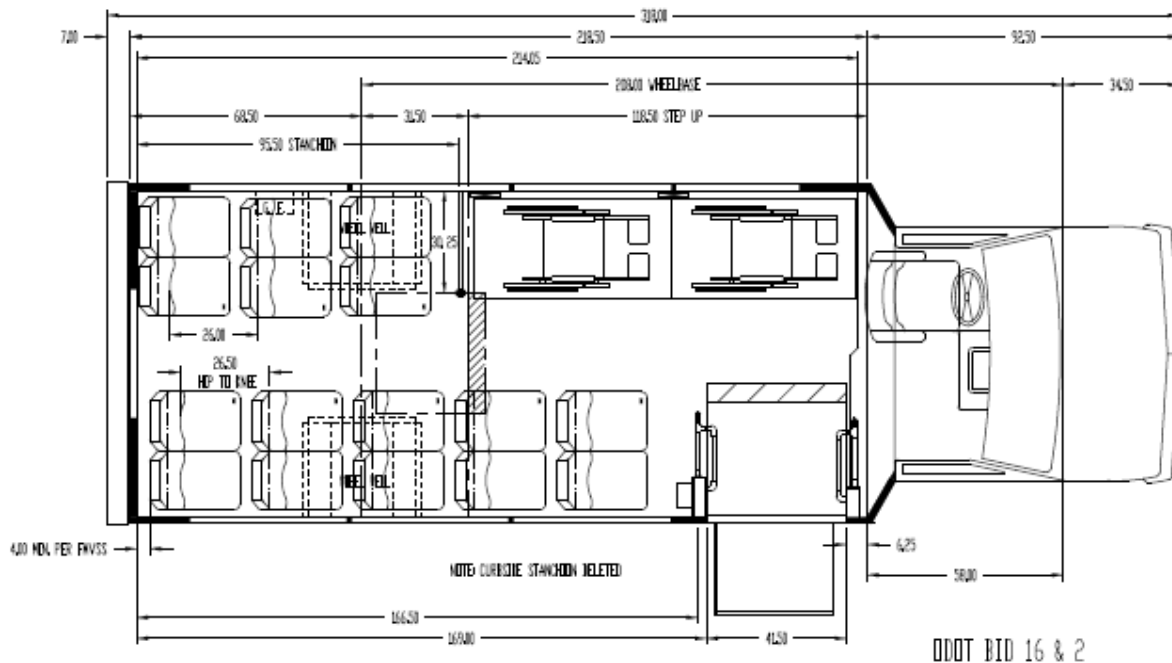
This vehicle seats up to twelve ambulatory passengers and three wheelchair passengers. All wheelchair positions are located in the front portion of the passenger cabin, near the ramp. Wheelchair maneuverability may become difficult when using all wheelchair positions at once. Ambulatory seating includes three rows of double seats on each side of the bus, resulting in 12 fixed position seats. Forward facing jump seats for up to six additional ambulatory passengers may be ordered as an option. They will be located at the wheelchair positions locations, should be used only on an occasional basis and should not be counted as part of the total number of ambulatory seats.



DOT BID 12 & 3

LTL 16-2

This vehicle seats up to sixteen ambulatory passengers and two wheelchair passengers. Both forward facing wheelchair positions are located in the front driver's side portion of the passenger cabin. Wheelchair maneuverability should not be an issue when using both wheelchair positions at once. Ambulatory seating includes three rows of double seats on the driver's side and five rows of double seats on the passenger side of the bus, resulting in 16 fixed position seats. Forward facing jump seats for up to four additional ambulatory passengers may be ordered as an option. They will be located at the wheelchair positions locations, should be used only on an occasional basis and should not be counted as part of the total number of ambulatory seats.



Optional Equipment for Light Transit Vehicles

- Single Passenger Seat with Grab Rails
- Single Three Step Fold Away
- Double Three Step Fold Away
- Double Passenger Seat with Grab Rails
- Single Jump Seat
- Double Jump Seat
- Seat Belt Extenders
- Seat to Accommodate Removable Child Seat
- Ricon (800 lb. max capacity)
- Braun (800 lb. max. capacity)
- 1000 lb. max. capacity
- Sure-Lok
- Sure-Lok Webbing Loop
- Q-Straint
- Q-Straint Webbing Loop
- Fifth retractor
- Dual Air Compressor
- Public Information System
- Passenger Call Bell System
- Radio Ground Plane
- Energy Absorbing Front Bumper
- Energy Absorbing Rear Bumper
- Heavy Duty Suspension
- Driveline Retarder (LTVs Only)
- Ceiling Hand Rails
- Standard Overhead Luggage Rack
- Reading Lights
- Non-retractable Seat Belts
- Storage Area (Medical Walker)
- Constant ride height control
- Securement Device for Oxygen Tanks
- AED Device
- Yellow Powder Coated Rails and Stanchions
- Single Integrated Child Seat
- Double Integrated Child Seat
- Child Seat with Adult Companion Seat
- Electric Door
- Exterior Electric Door Switch
- Slip Resistant Floor Covering
- Extended Air Valves for Inner Duals
- Midship Marker with Turn Lights LED
- Solid Color Paint Scheme
- Flat Floor
- Mirror Mount on Front Hood
- Rear Emergency Exit Door
- Idle Engine Shutoff
- Backup Alert System
- Backup Camera and Monitor Installed
- Kneeling System
- Skirt Mounted A/C
- Plexiglas Tinted Driver Screen
- Hardened Valves and Seats (CNG)

- Automatic audio stop announcement system
- Slide-N-Click Securement System
- WC 18 Wheelchair Tiedown
- L-Track Securement (per FOOT)
- Sanitation system
- Rear A/C in wall evaporator
- Hardened Valves and Seats (LPG)
- Hydrogen fuel cell system
- Internal bicycle rack
- External bicycle rack

Images of Optional Equipment



Single Passenger Seat w/Grab Rails



Double Passenger Seats w/Grab Rails



Double Three Step
Fold Away
in seated position.

Three Step Fold Away, seated position



Double Three Step
Fold Away
in stowed position.

Three Step Fold Away, stowed position



Passenger Jump Seat



Seat Belt Extenders



1000lb. Lift



800lb. Lift



Q-Straint Webbing Loop



Q-Straint Securement System



Sure-Lok Securement System



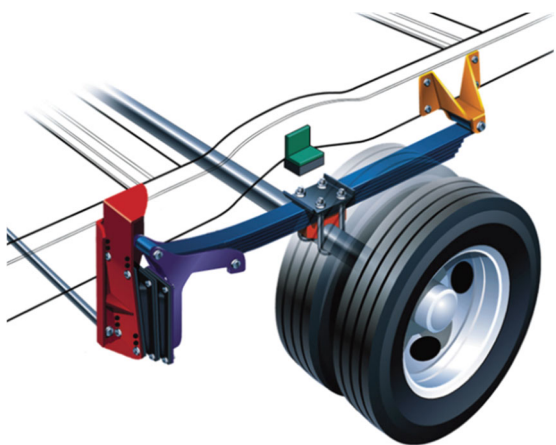
Public Information System



Dual Air Compressor



Energy Absorbing Bumper (Available Front and Rear)



Heavy Duty Suspension



Driveline Retarder (LTVs Only)



Ceiling Hand Rails



Non-retractable Seat Belts



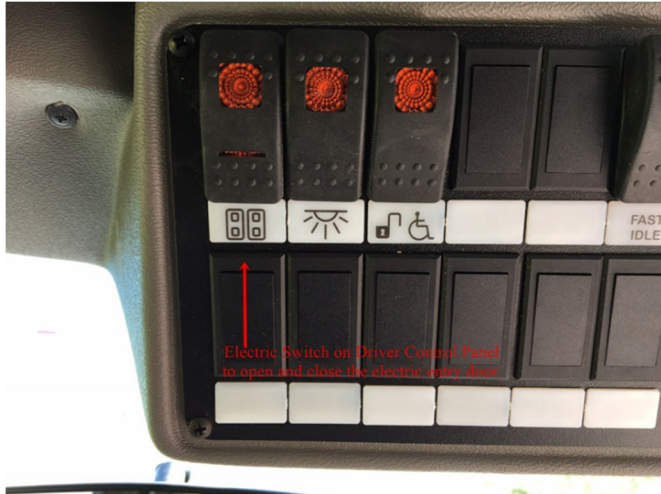
*Securement Device for
Oxygen Tanks*



AED Device



Yellow Powder Coated Rails and Stanchions



Electric Door, switch added to control panel



Slip Resistent Floor Covering



Extended Air Valves for Inner Duals



Midship Marker with Turn Lights LED



Steps leading to Flat Floor



Flat Floor



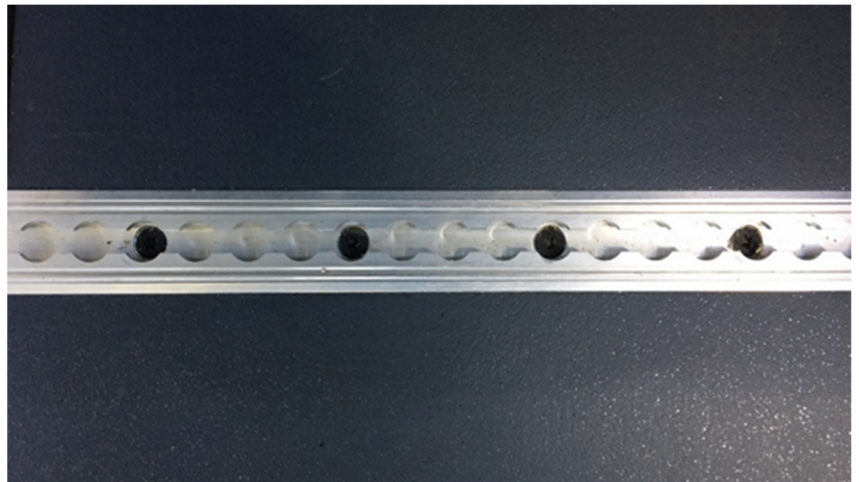
Backup Camera and Monitor Installed



Skid Mounted A/C



Plexiglas Tinted Driver Screen



L-Track Anchor System (per ft)



Bus door for Accessible Vans