

Appendix A

1. Structural Specifications

- a. Cab/Chassis
 - i. Pre-owned Class A gas RV platform or equivalent able to hold minimum 2500 volumes
 - ii. Size adequate to support the vehicle weight and minimum 2500 volumes
- b. Basic dimensions
 - i. Exterior length: 28'-32'
 - ii. Exterior height, maximum from ground: 146"
 - iii. Interior height, minimum from floor: 77"
 - iv. Width, maximum: 99"
 - v. Wheelbase: 190"
 - vi. GVWR maximum: 26,000 lbs.
- c. Payload weight: Must hold a book capacity of 2,500 to 5,000 volumes. In addition, at least two variable height computer workstations and a printing station.
- d. Gross vehicle weight must not exceed 26,000 lbs. to allow for non-CDL drivers.
- e. Battery sized to meet vehicle needs.
- f. All braking systems must comply with standards and manufacturer's recommendations for design.
- g. Electrical wiring should conform to or exceed current standards of the Society of Automotive Engineers or Underwriters Laboratories, Inc. National Electrical Code as required.
- h. Engine:
 - i. Meets all current EPA standards and fuel efficiency.
 - ii. Sized sufficient to the weight of the vehicle and the proposed terrain (steep hills, snow-covered roads).
- i. Fuel: Gas, regular octane
- j. Fuel tank: Sufficient capacity to travel a minimum of 400 miles on a single tank.
- k. Auxiliary power: 12.4kWh batter power system sufficient to power HVAC and the rest of the power needed to operate vehicle for up to 4 hours while stopped.
- l. Horn: Must meet regulatory requirements.
- m. Steering: Must be power assisted.
- n. Suspension: Air ride suspension is required
- o. Tires: Sized appropriately, with correct specifications for the GVW.
- p. Transmission: Automatic transmission is required.
- q. Leveling system: Power front and rear

2. Basic Body Requirements

- a. The above chassis must be durable, attractive, functional and comfortable for staff and customers
- b. Interior dimensions:
 - i. Headroom, minimum: 77"
 - ii. Interior width, minimum: 36"
- c. Power retractable awning installed on side of the vehicle
- d. Non-slip steps with handrails.
- e. ADA compliant wheelchair lift system.
- f. Back-up camera with dash mounted monitor.
- g. Cruise control.
- h. Navigation system.
- i. Custom designed full vehicle vinyl wrap.

3. Conversions Specifications

- a. Floor plan
 - i. Specific floor plan to be designed in consultation with customer.
 - ii. Vendor to supply full, to-scale floor plans upon completion of planning process.
- b. Flooring
 - i. Commercial, non-slip floor covering.
 - ii. Heavy-duty commercial non-slip flooring will be used in all stairwells and access points.
 - iii. Colors to be chosen by customer.
- c. Walls
 - i. Slat wall display wall to be incorporated into design.
 - ii. Adjustable cabinetry or wall-mounted shelving for computer equipment, including printer and laptops/tablets.
 - iii. Cabinetry for general storage.
- d. Aluminum shelving system (Acore preferred)
 - i. Uprights to be firmly attached to walls set on 36" and 24" centers.
 - ii. All shelves to be interchangeable and adjustable.
 - iii. Shelves should be on a 15-20° slope.
 - iv. Design shall include two 1-sided 3-shelf book carts to be located within shelving area with ability to lock into shelving units; cart shelving on a 15-20° angle.
 - v. Design shall include at least 1 fold down staff workstation.
- e. HVAC
 - i. The vehicle must have a heating, ventilation, and air conditioning system adequate to maintain a comfortable temperature year round with the doors in use, including the driver's compartment.
- f. Connectivity
 - i. Peplink BR1 Series router: Single LTE modem with secondary redundant SIM slot for failover (or equivalent).
 - ii. Antenna: Extension antenna that mounts on the rooftop of the vehicle to allow a better connection with LTE networks.
 - iii. Client to supply SIM cards.
- g. Audio/Visual
 - i. High-resolution TV mounted in rear with USB and HDMI connections.
 - ii. AM/FM radio with Bluetooth capability.
- h. Seating
 - i. Driver and front passenger high back adjustable chairs; swivel preferred.
 - ii. Bench seating over battery storage compartment.
- i. Lighting
 - i. Lights mounted to ceiling, preferably LED.
 - ii. Lights on exterior to illuminate door area, preferably LED.
- j. Manuals and Documentation
 - i. To-scale floor plan of final design.
 - ii. As built plan of vehicle.
 - iii. Operating manuals for all installed equipment.
- k. Warranty
 - i. 10-year warranty on chassis.
 - ii. 1-year minimum warranty on power train, opening/closing mechanisms and interior/exterior finishes.

- i. Dynamic Preventative Maintenance program.
 - i. Identify and secure a qualified repair shop.
 - ii. Coordinate all preventative maintenance and repairs.
 - iii. Cap on maintenance costs.