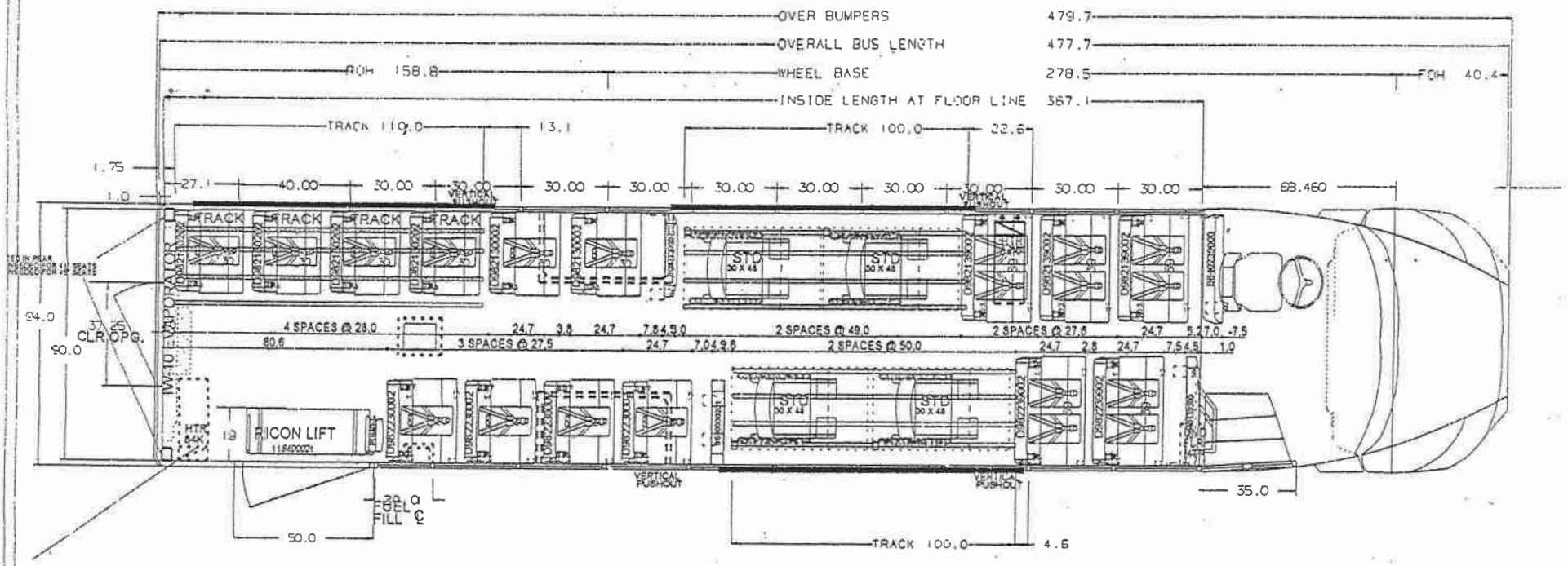
	Sumner County Schools Conventional Special Education School Bus Specifications			
	Quantity: 3			
Notes to Bidder:				
	1. Bidder must have a fully licensed in-state sales and service facility. **State Dealer License # is**_____			
	2. Salesman's dealer license # is _____			
	3. You must return a copy of these specs with your bid response noting all exceptions and deviations.			
	4. Factory direct deliveries are not acceptable, product must have a pre-delivery inspection at in-state facility.			
	5. Please state earliest delivery date:			
Equipment	***Description***	***YES***	***NO***	***List Exception***
Bus Type	Conventional w/ Lift			
TN Specifications	Must meet all state and federal school bus requirements			
Engine location	Front			
Year Model	New model 2022 or newer			
Seating Capacity	30 + 4 wheel Chairs with continous track- see attached floor plan			
	tie downs and Safeguard Safety Seats - See Attached Floor Plan			
Delivery	1500 Airport Rd, Gallatin, TN 37066			
Manuals	Include owners manual			
Service Training	Provide a minimum of 12 hours product service training			
	at no charge for body and chassis components @ SCS			
Warranty-Body	Please Specify Warranty			
CHASSIS	**CHASSIS**			
Axle Ratio	5.29 or greater or 65mph road speed			
Air Compressor	18.7 CFM, minimum			
Air dryer	Merator Wabco SS 1200 - parts # 5400850-7010 or Bendix AD-9 w/ heater			
Air tanks	3,790 or greater cubic inch capacity, Bendix DV-2 with Heater			
Alternator	275 or greater amp, Delco or Leece Neville eqivalent			
Axle , front	10,000 lbs. minimum with oil bath with synthetic lube			

Axle, rear	21,000 minimum lbs. with synthetic lube			
Batteries	3- 1950 cca 31 Series			
Battery Emgcy Disconnect	Factory Installed in Battery Department			
Block Heater	750 watt with bumper mounted recepticle			
Brakes	Outboard drum type w/ auto slack adjusters			
Brakes	ABS with diagnostic light in dash			
Brakes, front	16.5" x 5" minimum			
Brakes, rear	16.5" x 7" minimum			
Bumper 3/16" steel, front	12" with crossing control arm and stowage bracket			
Bumper 3/16" steel, rear	Concave design			
Cooling system	Radiator to have at least 620 square inches			
Driveline	Guards around each shaft			
Engine Rating	220 HP. Minimum			
Engine Type	Inline 6 cylinder diesel, Cummins ISB, no exceptions			
Exhaust	Below rear bumper or left side bumper with exhaust mitigator			
Frame	50,000 lbs. psi with rear mounted tow hooks			
Fuel filter	Fuel Water Separartor/ Cartridge type at the engine			
Fuel / Water separator	Davco 382-C with heater or Fleetgurad			
Fuel Tank	60 gal. between frame rails, fuel door with thumb latch			
Fuel Tank	Include fuel fill door & sender access plate at interior floor			
High/low Idle Throttle	Electronic			
Instruments	Speedometer, Voltmeter, Oil pressure, Dual air gauges			
Instruments	Transmission temperature gauge, fast idle switch			
Instruments	Air filter restriction indicator, cruise control			
Wheel Chair Lift	Braun Lift, NCL 917, 800 lb or greater capacity			
Lift Location	Rear			
Lift Specidfications	Automatic Positioning at Floor Level with single door			
Shocks	Front and Rear			
Springs, front	3 leaf parabolic front springs comenserate with GVWR			
Suspension	Comfort trac 52" rear springs with 21,000 lbs. rating			
Starting aid	Grid heater			
Steering wheel	Tilt and telescopic steering column			
Tires	Seven (7) 11R22.5 16 ply, Michelin, mounted spare			

Tow hooks	Front and rear mounted			
Transmission	Allison 2500 Seriesn or greater 5 speed, transynd fluid & fuel sense			
Wheel Base	252" or greater (list exact wheelbase)			
Wheels	Disc hub piloted, 22.5 X 8.25 powder coated black			
Wiring	Color & number coded-full multiplex body and chassis			
Warranty-Engine/Trans	5 year engine and transmission warranties			
BODY	**BODY**			
Air Conditioning System	Min. 16,000 BTU. Must be able to keep bus cool w/ copy of complete list of A/C parts			
Body Mounts	Meet state and federal specifications			
Child Reminder	Passenger advisiory system (not in side panel)			
Crossarm	Electric Operated polycarbonate			
Defroster fans	Dual 6" dash mounted fans			
Door, emergency	upper & lower tinted glass			
Door, entrance	Three position air outward opening with vandalock			
Directional Front	LED Lights in Turn signals integrated into headlights			
Driver Arm Rests	Dual folding			
Driver Cupholder	Driver cupholder mounted at factory			
Emergency exits	4 - push out windows w/ buzzers			
Emergency exits	2 - roof hatches, to be Specialty Pro Lo 9000 or Spheros equivalent			
Flooring	Black floor covering and Koroseal pebble entrance steps			
Flooring	1/2" or greater plywood with metal aisle trim			
Flooring	Rubber over wheelhousings			
Header Storage	Safety Compartment in front header AND over driver window			
Headroom	77 inches, minimum			
Headlining	Acoustic headlining full length of bus			
Heaters	190,000 BTU front & rear combination w/ removable filter			
Heaters	Booster pump and stepwell heater 30,000 BTU's min.			
Heaters	Heater cut off valve(s)			
Horn	Air Horn, mounted above driver window, dual note and pull chain type preferred or momentary switch			
Identification	6" Black letters, both sides/6" numbers-four sides			
Identification	3/4" x 3" yellow right side rear bumper showing year model			
Insulation	Insulation in roof, front, rear, and side walls. R value = 5.7			

Insulation	1/2" sound absorbing foam installed under driver toeboard			
Lights	LED Dome lights to have dual rows with driver dome light			
Lights	LED headlights with daytime runing light feature			
Lights	Warning lights to be LED with sun visor			
Lights	Stepwell, marker, stop, tail directional, reverse, side lights to be LED			
Lights	Headlights (wig-wag) when red lights are activated			
Mirrors	Interior - 10" X 30" non-glare with visor, heated crossview			
Mirrors	Roscoe accustyle or open view-remote & heated with 15 minute timer			
Mud Flaps	Front and Rear			
Paint	Yellow body with white roof, black rub rails and black or yellow pilasters			
Parts Report	Copy of complete Bus Parts printout "on-line" no charge			
Reflective Tape	"SCHOOL BUS" front and rear caps to be reflective			
Reflective Tape	Side pushout windows and 2" rear of bus, 2" sides			
Reflectors	To be mechanically attached			
Roof Bows	One piece			
Rub rails	Provide four rubrails, painted black			
Radio	AM/FM/CD or MP3/Page/ 6 int. speakers, 1 exterior speaker			
Radio Speakers	8 Coaxial Speakers TBB-152991 or equivalent			
Safety	Fire Ext, Body Fluid kit, Flares, First Aid Kit, Seat Belt Cutter			
Safety Compartment	FE, FAK, BFK to be mounted in bulk head compartment or behind driver's seat			
Seat Frames	Frames to be powder coated, black			
Seat Space	24" minimum knee space, include seat plan drawing			
Seat Barriers	Blue fire block, kick panel-right side, storage pouch-left side			
Seats / Driver	Air ride, pedistal cover, 2 shocks, fabric insert, driver's seat pouch attached to seatback			
Seats / Driver	Lap/shoulder belt (orange) with warning indicator, adjustable back			
Seats / Passenger	Seats 5 - 39" Tract MTD and 10 - 30" 6 Tract MTD (see attached floor plan)			
Seats and Belts	Safeguard Safety Seats W/ 3 Point Seat Belts (FE200868-4) and Child Restraint			
Seats and Belts	Seating capacity should consist of 30 ambulatory, 4 w/c, 4 continuous tracks in space in middle of bus including tie down systems and occupant restraints			
Seats and Belts	All seats to have 2 lap/shoulder belts per seat (30 total)			
Seats and Belts	Seating should include 20 integrated seats			
Seat Upholstry	Blue			
Securement Systems	Sure-Lok retractable Type FE200855S (4 Sets) w/ storage pouches FF612-4C			
Side Panels	Interior - Aluminized steel side walls			

Solenoid	Disconnect all body circuits, 100 amp minimum			
Strobe	Roof mounted Specialty 515-400 with guard or equal, "wired to key"			
Stop arm	Transpec 2000 Electric Operated			
Storage	Clipboard Holder, metal or plastic type, see Director for specific mounting location			
System Floor Track	Wheelchair Track 4 rows continuous in floor on driver side of bus from rear wheel well to back of bus - See attached floor plan			
Track	1 continuous w/c track over windows on driver side that coincides with floor track			
System Floor Track	Recessed in Plywood			
Vents	2 - driver's fresh air & static roof vent			
Windows, Passenger	Black frames with 12" openings, tinted glass			
Windows Driver	Double sliding, aluminum sash, tempered			
Windshield	tinted, bonded in place			
Windshield	2 grip handles beside windshield and cowl steps			
Wipers	Intermittent feature on turn signal lever			
Wiring	Color & number coded			
Customer Fuse block	Allows electrical access without using multiplex wiring			
Backing Alarm	112 db required			
Document Holder	To meet State specs			
Switch	Noise suppression switch to be provided			
Lettering	"Sumner County Schools" #'s supplied to successful bidder			
Grille	Chrome grille, hood intake plenum, and headlight bezels			
Camera system	Safety Vision - Please see attachment - Rep. Frank Bowden for proper installation			
Camera system	Prior to installation, Transportation Director or designee will visit dealer to mark location of installation			
Camera GPS antenna	Please see attachment - Safety Vision			
Fenders	Rubber or metal fenders around rear wheel opening			
GPS UNITS	To be installed at Sumner County Bus Garage by Davis Electronics 615-666-2450			
GPS UNITS	The selling bus dealer will be responsible for all labor costs to install customer owned GPS units on new buses			
GPS UNITS	GPS to be supplied by Sumner County Schools			
Trash Can	Trash Can mounted - see Transportation Director for specifics			
Keys	All units to have common key			
Battery Box	Shall be frame mounted with battery cut off switch in box			
Lights	All lights to be LED type			
Seat Numbers	Seats to be numbered, see Transportation Director for location of numbers			
Radio-two way model	Kenwood NX-5800K-SCPKG-25 Phase I and Phase II and all accessories Contact @ 615-889-4756 for installation and price			

DISCLAIMER:

The floor plan drawing is for example purposes only, but dimensions will be strictly scrutinized. All bidders must show exact measurements for each bus proposed