EXCELLANCE, INC.

453 Lanier Rd., Madison, Alabama 35758
1-800-882-9799

NEW BUILD SHEET - TYPE I FORD F-350 4X2 DIESEL

239		The chassis model year shall be:	2023
240			
241		The chassis engine shall be a	DIESEL - powered engine.
242	(1)	The cab for the chassis will be ordered "**standard OEM white**" from the chassis manufacturer.	
252	(1)	The chassis will be SUPPLIED BY EXCELLANCE.	
253		Note: Excellance is entitled to OEM concessions on any chassis supplied by Excellance.	
257		**FORD F-SERIES** (XLT TRIM LEVEL, #47A AMBULANCE PREP PKG.)	
258			
261	(1)	**F-350 (2X4) Type I**	96" x 146" box
262			CA = 84"
335			
345		**CHASSIS: SPECIAL**	
346			
347		The vehicle will be ready for delivery w/ electrical diagrams, cleaned, inspected, fuel tanks full,	
348		vehicle serviced, certified weight ticket, and copies of all warranties and owners manuals.	
349		Air tanks installed by Excellance will have manual moisture relief valves.	
356	(1)	* Ford Chassis service manuals: fleet.ford.com/truckbbas	
381			
382		**CHASSIS: SUSPENSION**	
388			
394	(1)	* Rear Liquid Spring Suspension for F350/F450 ** (see NOTE below)	
409		** WEIGHT ADVISORY: This item affects GVW and payload availability.	
417	(1)	* Activate "dump" feature automatically when left rear door is open	
418	(1)	Override switch at rear of module on	curbside door.
426		* Suspension System installation includes "down" indicator light on front console.	
429		* OEM air dump switch on dash to remain enabled unless otherwise specified in Customer Notes.	
442		CUSTOMER NOTES / SPECIAL REQUESTS	
443		** Install an engraved aluminum plate with "EXCELLANCE", Unit #, and date of manufacture	
444		on the inside door panel of the L4 compartment. Place either above or below the	
445		standard label. (CAAS Req.)	
446		** Install an engraved aluminum plate in the cab with the maximum height capacity. (CAAS Req.)	
451			
453		**CHASSIS: TIRE / WHEEL**	
454			
455		OEM Steel-belted All-Weather Radial tires per chassis specifications	
456			
457	(1)	* There is no spare tire for this ambulance chassis.	
459			
468	(1)	* Wheel Inserts for F-450, "Phoenix" stainless steel with rear air valve extension	
551			
552		**CHASSIS: EXTERIOR**	
553			
607	(1)	* Mud Flaps, 2 Rear	
622			
625		**CHASSIS: INTERIOR CAB**	
626			
630	(1)	Ford F-series: medium gray interior cab color	
640			
641	(1)	Cab floorboard to have rubber matting	
657			
658			

660			**CHASSIS ELECTRICAL SYSTEM: STANDARD SPECIFICATIONS**
661			
663			Module disconnect power switch
668			OEM alternator(s) with internal regulator
671			Back-up alarm, reverse activated
685			
687			**CHASSIS ELECTRICAL SYSTEM: INTERIOR CAB**
688			
690	(	1	) Floor mounted console on Type I and EHD units
700	(	1	) Map Light, Flex-head Littlelite with red lens (12" shaft) located on front console
708	(	1	) Volt Meter with Dual USB port installed on console switch panel.
710			
719	(	1	) * Ignition security system, anti-theft device, Kussmaul Safety Lock 3 (CAAS Req.)
724	(	1	) * Pro-Vision TV-205 rear camera system with 5" LCD flat screen
725			monitor on the cab console. (CAAS Req.)
745			
746			**MODULAR BODY: STANDARD SPECIFICATIONS**
747			
748			All aluminum modular ambulance body with 1/4-inch thick aluminum corner extrusions
751	(	1	) Module headroom shall be 72 inches for this unit.
753			All aluminum framework with special anti-corrosion barrier applied to all fasteners, hinges, and components
754			Aluminum exterior skin shall be .125" thick, attached by continuous welds at all seams and corners
755			Aluminum exterior roof skin shall be .125" thick aluminum
757			3/4-inch thick composite floor with .063" aluminum subfloor insulated with Polystyrene foam planking
758			Install .125" thick Aluminum overlay to the top of the Coosa Board floor
762			3 module entry doors and all exterior compartment doors insulated with 2" Styrofoam planking
763	(	1	) Left rear door shall close with an automatic "slam latch"
764			2 key locking module entry door handles all keyed alike
765	(	1	) Curbside entry door equipped with gas shock and nylon restraint strap to reduce opening and closing force
769			Number of grabber / hold-open devices with gaskets: **2**
770			Polished extruded aluminum drip rails over all module entry doors and exterior compartment doors
772	(	1	) Fuel fill housing for chassis to be: **recessed cast aluminum housing(s)**
776			1 set aluminum diamondplate stone guards for front of unit
778			1 set diamondplate rub rails with aluminum tubular support & plastic spacers off body
779			2 aluminum wheelwells
780	(	1	) 1 set polished cast aluminum module fenderettes
783			1 diamondplate rear kick panel
787	(	1	) 8 body mounting 5/8" diameter Grade 8 bolts w/ heavy duty wear point spacers & outrigger supports
788			1 custom-made aluminum diamondplate rear bumper with the following features:
789			**angled** rear corners
790			**folding** step built into bumper
791			**1** dock bumper(s) each side of bumper
792			All windows installed in the patient compartment come with "privacy glass"
793			Fixed window for each rear entry door. Specify size: **12" x 36"**
795	(	1	) Fixed curbside entry door window. Specify size: **18" x 24"**
812			
813			
814			**MODULAR BODY**
815			
824	(	1	) * Type I: Cabinet below pass-thru window to have dual hinged painted aluminum-faced doors
832	(	1	) * Modify roof structure to add additional tubing allowing module ceiling to be a flat
833			surface. Center trough pad will be replaced with a painted cover panel. The roof
834			of the module will be double insulated.
835	(	1	) * Modify L4 compartment into an upper and lower compartment. The Upper L4/1
836			compartment will house the HVAC system facing forward with lines being routed
837			around the front of the module to be ducted through the ceiling and at the front bulkhead.
838	(	1	) * Cabinet B and Cabinet D above the CPR seat shall be angled.
868			
869			

870	**CAB / MODULE PAINT AND LETTERING: STANDARD SPECIFICATIONS**
871	
874	(1) * DELETION CREDIT: Do not paint the 4 outer wheels
875	Include one touch up paint kit for each color used
880	(1) * DELETION CREDIT: <u>Delete</u> Federal ambulance markings
881	
882	**PAINT**
883	
884	The cab for the chassis will be ordered and painted standard OEM white.
885	(1) The module shall be painted the same color to match the chassis.
898	(1) * Metallic paint will not be used anywhere on this unit.
911	
912	<u>BELTLINE</u>
914	(1) * DELETE standard 11" reflective beltline stripe
959	
960	<u>PINSTRIPE</u>
964	(1) * DELETION: No pinstripe tape AND no painted beltline to be applied by factory
970	
1031	**LETTERING**
1032	
1033	(1) Excellance supplied/installed lettering is not included but can be provided
1034	
1053	**EXTERIOR COMPARTMENTS: STANDARD SPECIFICATIONS**
1054	
1055	All exterior compartment doors insulated with 2" styrofoam
1056	206 latch w/ key locking stainless steel 9000 series D-ring handles with gaskets (where possible)
1058	(1) Doors equipped with gas shocks to reduce opening and closing force
1065	Machine louvered or plastic venting, as needed, in all exterior compartments
1087	
1088	**EXTERIOR COMPARTMENTS:**
1089	All aluminum unistruts to be welded into exterior compartments (no screws or rivets)
1090	* Oxygen tank(s) shall be located in compartment L4 (Streetside Forward)
1091	
1092	<u>Compartment L1</u>: (Streetside Rear)
1093	(1) Tall L1 version - standard for 146" & 166" modules
1094	(1) * Backboard storage in L1 will have 2 adjustable vertical dividers

Type of shelves in L1:	Quantity	Thickness of aluminum
Adjustable shelves with unistrut	3	0.125"
Fixed shelves	0	0.125"

1100	(1) Inside / Outside access with interior cabinet door
1106	(1) One standard LED light in compartment - to be door activated
1127	
1128	<u>Compartment L3/1</u>: (Outside electrical compartment for power distribution panel)
1135	(1) One standard LED light in compartment - to be door activated
1144	
1145	<u>Compartment L3/2</u>: (Streetside Intermediate)

Type of shelves in L3/2:	Quantity	Thickness of aluminum
Adjustable shelves with unistrut	1	0.125"
Fixed shelves	0	0.125"

1156	(1) One standard LED light in compartment - to be door activated
1177	
1178	<u>Compartment L4</u>: (Streetside Forward)

Type of shelves in L4:	Quantity	Thickness of aluminum
Adjustable shelves with unistrut	0	0.125"
Fixed shelves	0	0.125"

1185	(1) One standard LED light in compartment - to be door activated
1203	
1205	<u>Compartment R1</u>: (Curbside Rear)
1206	(1) Short R1 - standard for 146" module
1208	(1) Inside / Outside access for Short R1

Type of shelves in Short R1:	Quantity	Thickness of aluminum

1218	Adjustable shelves with unistrut	0	0.125"
1219	Fixed shelves	0	0.125"

1235 (1) One standard LED light in R1 compartment - to be door activated

1279

1280 Compartment R4:   (Curbside Forward)

1281 (1)   Inside / Outside access for full height of R4 compartment

1295 (1) Drug box storage in R4 shall have a   locking   Painted Aluminum

1296 (1) Cabinet beside the drug box storage in R4 will have   inside / outside

1297   access with a   non-locking   Painted Aluminum

1298 The vertically-hinged doors will   be individually latching doors

1308

1309	Type of shelves in R4:	Quantity	Thickness of aluminum
1310	Adjustable shelves with unistrut	2	0.125"
1311	Fixed shelves	0	0.125"

1318 (1) One standard LED light in compartment - to be door activated

1334

1417 (4) Number of exterior compartment(s) to be finished in Excellance texturized paint.

1418   Specify each compartment here: ALL - EXCEPT R4 which is to be finished white

1489

1491 **PATIENT COMPARTMENT: STANDARD SPECIFICATIONS**

1492

1493   Install clear polycarbonate throughout the unit.

1497   Full seam-welded NFPA-compliant anti-skid aluminum diamondplate stepwell with flush sweep-out design

1498   Door-activated flush-mounted stepwell light, LED

1499   3 interior entry door panels, aluminum painted white

1500 (1) Alternating red/white 10" reflective diagonal stripes on each Personnel Door

1505   Grab handles for module doors to be: 1.25" diameter seamless stainless steel

1506 (1) Grab handle(s) for the inside of the side entry door: 18" long

1508 (1) Grab handle(s) on each rear door inside the module: "L" shape 33" x 17.5"

1509   Aluminum walls painted white

1510   Aluminum ceiling finish painted white

1511 (1) Insulation in the module walls and ceiling

1513   Welded tubular aluminum cabinet framework with cabinet tubular faces painted white

1514   Sliding medical cabinet doors of 1/4" polycarbonate with full height extruded aluminum handles

1515   All cabinet interiors are to be painted white

1516   Cabinets have Austin latches on hinged cabinet doors and Safety Pins on sliding doors (KKK compliant)

1517   Cabinets will be labeled with their rated weight capacity

1518   Streetside action area with solid surface counter top

1519   The color for all counter tops will be: light gray w/ white & charcoal speckles

1527   Action area shelf to have lip

1528   Oxygen compartment shall have one polycarbonate hinged access door for "M" & "H" size cylinders

1529   Squad bench w/vinyl covered padded   split   seat cushion and with a   hinged lid

1530   two 6-point seat belt harnesses: red

1531   sets of patient restraint straps: 3   red

1532   Squad bench to have a solid vinyl covered padded back rest and head rest

1533   2 "No smoking oxygen equipped / Fasten your seatbelt" decals, one in cab and one in module

1534   Removable wiring access panels, vinyl padded down the center of the ceiling w/ 1" x 2" tubular supports

1535 (1) # of 72" x 1.25" diameter stainless steel overhead grab rails on 146" module: 2

1539   1 CPR seat with vinyl covered padded seat and head protectors

1540   CPR seat to have 6-point seat belt harness

1550

1562

1563 **PATIENT COMPARTMENT:**

1564

1565   Painted white aluminum interior

1570   * High back EMT Captains Chair (Bucket Seat) at Action Area w/ these features:

1571   Built-in Child-Safety Seat?   No

1572   # of seat belt harness points: 6

1573   # of arm rests: 0   no arm rests

1577 (1) * Sewn upholstery

1579 (1) * WISE brand

1581			

Type of IV holder	Quantity	Mounting location for IV holders:
Rubber shaft fold-down w/ velcro	1	head of primary cot
Rubber shaft fold-down w/ velcro	1	head of squad bench

1620   Cabinet over Action Area to have…

1621   (1   )   Sliding doors that are made of polycarbonate

BIO-HAZARD / TRASH CONTAINERS:

1691   (1   )   <u>Two</u> wall mounted Maxxim kits - each kit has one sharpes container and one trash container

1694   (1   )   Maxxim kit(s) to be mounted by Excellance when customer picks up unit

1697   (1   )   * Compartment in top of action area (L3/2 access) for sharpes and trash - (CAAS Req.)

1698   Trash with hinged, spring loaded polycarbonate lid; Sharpes to be without lid.

SEATING / UPHOLSTERY:

1756   Padded vinyl head protectors over module entryways, color coordinated to match interior

1759   (1   )   Gray color for upholstery (Gray)

1768   (1   )   Net at head of Squad Bench, standard 58" x 17" (Red unless specified in Customer Notes)

FLOOR COVERING:

1787   Heavy duty vinyl floor covering will be installed inside patient compartment

1788   (1   )   * Lonseal / Lonplate II flooring *(this flooring will extend up the side walls)*

Type of floor selected above:	Floor color	Curbside wall covered in:	Streetside wall covered in:
* Lonseal / Lonplate II flooring	421 Mica	Floor covering	Floor covering

HANDRAILS / MOUNTING BRACKETS:

1810   (1   )   All handrails will be stainless steel, knurled, antimicrobial rails painted (powder coated) yellow.

COT / LITTER MOUNT:

	(Brand)	(Model)
1827 The cot used in this unit will be a:	**TBD**	**TBD**
1828 The cot will be supplied by:	**Customer**	
1829 The retention system will be supplied by:	**Customer**	

1830 *Purchaser / Customer agrees to idemnify and hold Excellance harmless for the installation of any*

1831 *cot retention system specified by the Customer that is not compliant with any governmental authority.*

1833   The mounting position for the cot shall be:

1834   (1   )   * Center mount for one cot

1838   (1   )   Post and wheel cups will NOT be installed in the patient compartment.

1845   **THE COT WILL BE SUPPLIED BY CUSTOMER**

1849   **THE RETENTION SYSTEM WILL BE SUPPLIED BY CUSTOMER**

1850   ** Install customer-supplied cot retention system. Excellance can supply upon request.

MODULE ELECTRICAL SYSTEM: STANDARD SPECIFICATIONS

1870   12 VDC electrical distribution system

1871   Color and function coded wiring

1872   GXL high temperature wiring insulation

1873   Automatic reset circuit breakers

1874   Heat shrink tubing on all terminals

1875   Lighted rocker switches

1876   Engraved backlit switch labels

1877   1 labeled power distribution panel will be located   in the exterior L3/1 compartment

1879			Patient compartment control console with hinged access panels in action area
1880			12 VDC Medical outlets to be installed as follows:

1883	Type of outlet:	Quantity	Location for outlet(s):
1884	Cigarette	2	Action Area

1889			
1890			Magnetically controlled, hermetically sealed door switches
1891			"Module Entry Door Open" warning circuit w/ warning light in cab console
1895			Door activated exterior compartment lighting
1896			All of the dome lights located on the curbside to turn on to low intensity when
1897			module entry doors are opened and/or switch on cab console is activated
1898			All switches, indicators and control devices shall be labeled in accordance w/ current KKK-A-1822
1899			
1900			

MODULE ELECTRICAL SYSTEM:

1902			
1903			1 Kussmaul #091-32 Load Manager / Sequencer.
1904			Load Manager and status indicator to be located in cab console.
1905	(	1	) Excellance will determine load manager circuits and sequence of priority.
1914			
1927			2 #RG58U coax antenna cables from center wiring trough to behind driver's seat
1929			* Location for origination of first **"std"** coax cable: module center trough
1930			* Location for termination of first **"std"** coax cable: behind the cab seat
1931			* Location for origination of 2nd **"std"** coax cable: module center trough
1932			* Location for termination of 2nd **"std"** coax cable: behind the cab seat
1977	(	1	) TruckLite LEDs # 80162C EMT ("Standard" in action area)
1983			
1985	(	1	) Four Whelen 8-inch LED dome lights mounted in ceiling on streetside
1986	(	1	) Four Whelen 8-inch LED dome lights mounted in ceiling on curbside
1996	(	1	) * All ceiling lights to operate with two switches (one for streetside & one for curbside lights).
2048			

125 VAC ELECTRICAL: STANDARD SPECIFICATIONS

2050			
2051			Location for each 125 VAC duplex receptacle (interior to be lighted; exterior to be weatherproof):
2052	(	1	) in Action Area
2053	(	1	) lower section of the R-4 ALS cabinet
2060			GFI circuit breaker box to be located: mounted in GFI box in electrical panel
2061			First GFI circuit breaker to be wired to: the engine block heater
2062			Second GFI circuit breaker wired to: the 125V electrical system
2068			
2077			

SHORELINE

2079			
2080	(	1	) One 30 amp / 125 volt Twist Lock Shoreline Plug with
2081			weatherproof lift cover (with female Shoreline Input Adapter)
2114			
2125	(	1	) *** Shoreline to be mounted :** Side of module forward of L4 hinge
2140			

125 VAC ELECTRICAL EQUIPMENT:

2143			
2147			On-board 15-amp battery charger activated via the shoreline
2166	(	1	) * Pre-wire with switch at EMT panel for inverter to be installed by customer
2167			* Specify brand & model number of the inverter here: TBD. Excellance can supply & install an inverter.
2200			

SCENE AND EXTERIOR LIGHTS: STANDARD SPECIFICATIONS

2203			
2204			2 backup lights wired to operate with rear scene / load lights
2205			Rear license plate bracket shall be surface mounted on rear of unit with light
2206			1 set of red rear turn marker lights on each side of module using:
2207	(	1	) L.E.D. 4" round turn marker lights (part # 44350R)
2211			

WORKLIGHTS / FLOODLIGHTS / SPOTLIGHT:

2213			
2214			The hand-held spotlight will be:
2215	(	1	) Minimum 100,000 CP lamp handheld spotlight w/ momentary switch (Standard)

2214   The hand-held spotlight will be: <u>recess-mounted on passenger side of front console</u>

2215 (1) Minimum 100,000 CP lamp handheld spotlight w/ momentary switch (Standard)

2225

2229 (1) * 2 Whelen 900 Super-LED work / scene lights (surface mount with chrome
2230   flange) on each side of module (in lieu of halogen lights).

2234 (1) * DELETE "standard" Whelen 900 side scene lights on each side of module.

2241 (1) * 2 Whelen 900 Super-LED work / scene lights (surface mount with chrome
2242   flange) on <u>rear</u> wall of module.

2244 (1) * DELETE "standard" Whelen 900 <u>rear</u> scene lights.

2245   Note: Scene lights on rear of module will be deleted when rear light bar has scene light option.

2283

2284 **TURN SIGNAL / TAIL LIGHTS:**

2285

2286 **<u>Primary</u> brake, turn signal & backup lighting**

2287

2288 The <u>Primary</u> brake, turn signal, and backup lights on the rear of the module will be:

2289   600 series L.E.D. lights   as <u>turn signals</u> set in a triple Horizontal Casting

2290   600 series L.E.D. lights   as <u>brake lights</u> set in a triple Horizontal Casting

2291   600 series L.E.D. lights   as <u>backup lights</u> set in a triple Horizontal Casting

2417

2419 **GRILLE LIGHTS / INTERSECTION LIGHTS**

2435

2436 **Grille Lights** shall be:

2437 (505) Whelen 500 Red L.E.D. w/o flange   Lens color: clear

2439

2440   Lens color:

2441 (505) **Intersection Lights** on the driver's side shall be: Whelen 500 Red L.E.D. w/o flange   clear

2442 (505) **Intersection Lights** on passenger's side shall be: Whelen 500 Red L.E.D. w/o flange   clear

2455

2456 **OTHER VISUAL WARNING LIGHTS: STANDARD SPECIFICATIONS**

2479

2480 Flashing light installed at the <u>top center</u> of **front** module wall shall be:

2481 (904) Whelen 900 series White LED with flange

2482 The color of the lens for this light is: clear

2484

2485 Flashing lights in each <u>upper corner</u> of the **front** module wall (2 total) shall be:

2486 (901) Whelen 900 series Red LED w/ flange

2487 The color of the lens for this light is: clear

2489

2490 * Install one <u>additional</u> flashing light on <u>the side</u> of the **front wall** of module.

2491 (901)   This curbside light shall be: Whelen 900 series Red LED w/ flange

2492 (901)   This streetside light shall be: Whelen 900 series Red LED w/ flange

2493   Color of curbside lens shall be: clear   Color of streetside lens shall be: clear

2494

2500 Flashing lights in each <u>upper corner</u> of the **curbside** module wall (2 total) are:

2501 (901) Whelen 900 series Red LED w/ flange

2502 The color of the lens for this light is: clear

2504

2505 Flashing lights in each <u>upper corner</u> of **streetside** module wall (2 total) are:

2506 (901) Whelen 900 series Red LED w/ flange

2507 The color of the lens for this light is: clear

2509

2510 * **Wheel well lights** on each side of module (2 total) shall be:

2511 (701) Whelen 700 series Red LED w/ flange

2512   The wheel well light lens color is: clear

2513

2514 Flashing lights in the <u>upper corners</u> of module **rear wall** (2 total) shall be:

2515 (901) Whelen 900 series Red LED w/ flange

2516 The color of the lens for this light is: clear

2518			
2540			Flashing light installed at the top center of **rear** module wall shall be:
2541	(702)		Whelen 700 series Amber LED w/ flange
2543			Color for this lens shall be: clear
2544			
2549	(1)		1 Whelen AFM-1660 solid state flasher (Standard)
2551			
2552	(1)		The flash pattern for the emergency lights shall be programmed as specified by KKK.

2555

EMERGENCY AUDIBLE WARNING SYSTEM:

2593

2594 (1) 1 Whelen hands free electronic siren with cab console mounted controls w/ PA microphone
2595 Siren tones to be programmed in "default" mode.

2599

Speaker

2619

2623 (1) Two through-the-bumper speakers ("standard" on F-350 & F-450)

2651

OXYGEN AND SUCTION SYSTEMS: STANDARD SPECIFICATIONS

2654

2655 Oxygen system plumbing with cylinder wrench chained in oxygen compartment

2656

Tank Brackets:

2658

2659 (1) * Oxygen tank(s) shall be located in compartment L4 (Streetside Forward)

2662

2663 (1) * Zico "MultiVersal" restraint system with adjustable bracket for a "M" tank
2674 1 oxygen regulator, 50 PSI

2677

Oxygen Systems:
2693 Ohio-Diamond type oxygen outlets.
2694 (1) * 2 oxygen outlets located at EMT panel, 1 at curbside

2722

Vacuum System:

2743

2744 Sscor suction system with 1 canister and lid, on-off power switch, 5-foot exhaust hose,
2745 vacuum gauge and internal regulator (no vacuum outlet needed) - to be installed…
2746 (1) … aft of action area control panel on the streetside interior wall.

2780

HVAC SYSTEMS: STANDARD SPECIFICATIONS

2783

2784 12 VDC multi-speed exhaust fan at rear of module
2785 1 static air intake at front curbside of module
2786 Floor-level return air plenum with replaceable filter for A/C-heat unit

2787

HVAC SYSTEMS:

2789

2792 (1) * Discharge the HVAC system down the length of the patient compartment in
2793 the ceiling via the "center trough".
2795 **Ford F-series and Dodge Type I Chassis**
2796 12 Volt HVAC systems:
2797 (1) Heavy duty combination heater / air conditioner system w / digital electronic thermostat with
2798 digital temperature display.
2799 (1) * Add a second 12 VDC engine mounted compressor for dual independent
2800 12 VDC compressors for cooling the cab and module individually.
2801 (1) * Add an under-body-mounted auxiliary A/C condenser

2908

FIRE EXTINGUISHER:

2911

2912 (2) 5# ABC fire extinguishers
2914 * Extinguisher mounting instructions: Ship Loose