

**EXCELLANCE, INC.**

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

NCSA FIRE/EMS/LAW ENFORCEMENT  
SPECIALTY VEHICLES PROCUREMENT  
BID 23-03-0524

**NEW BUILD SHEET - TYPE III FORD E350 GAS**

239 The chassis model year shall be: 2023

240  
241 The chassis engine shall be a GAS - 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.**

287 **FORD E-SERIES** (XL TRIM LEVEL, #47A AMBULANCE PREP PKG.)

288 \* Includes battery compartment with sliding tray.

289  
290 ( 1 ) **E-350** **Type III** 96" x 146" box  
291 CA = 80"

335  
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

361 ( 1 ) \* Running Boards, Diamond Plate with grating and Excellance logo welded  
362 into step area for Type III

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  
466 ( 1 ) \* Wheel Inserts for E-series "Phoenix" stainless steel w/ rear air valve extension

551  
552 **CHASSIS: EXTERIOR**

553  
607 ( 1 ) \* Mud Flaps, 2 Rear

622  
625 **CHASSIS: INTERIOR CAB**

626  
629 ( 1 ) Ford E-series: medium gray interior cab color is the only choice available

640  
641 ( 1 ) Cab floorboard to have rubber matting

657  
660 **CHASSIS ELECTRICAL SYSTEM: STANDARD SPECIFICATIONS**

661  
663 Module disconnect power switch  
667 ( 1 ) Type III light duty includes addition of exterior battery compartment in R4-2  
668 OEM alternator(s) with internal regulator  
671 Back-up alarm, reverse activated

685  
687 **CHASSIS ELECTRICAL SYSTEM: INTERIOR CAB**

688  
689 ( 1 ) Engine cover mounted console on Type III 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.)

**MODULAR BODY: STANDARD SPECIFICATIONS**

- 746  
 747  
 748 All aluminum modular ambulance body with 1/4-inch thick aluminum corner extrusions  
 749 ( 1 ) Module headroom shall be 69 inches for this non-EHD 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  
 784 ( 1 ) 8 body mounting 5/8" diameter Grade 8 bolts w/ heavy duty wear point spacers  
 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"

**MODULAR BODY:**

- 812  
 814  
 815  
 819 ( 1 ) Type III: Walk-thru between cab and module with sliding lockable door  
 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.

**CAB / MODULE PAINT AND LETTERING: STANDARD SPECIFICATIONS**

- 870  
 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: Delete Federal ambulance markings

**PAINT**

- 881  
 882  
 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 [BELTLINE](#)  
 914 ( 1 ) \* DELETE standard 11" reflective beltline stripe  
 959  
 960 [PINSTRIPE](#)  
 964 ( 1 ) \* DELETION: No pinstripe tape AND no painted beltline to be applied by factory  
 970

1031 **LETTERING**

- 1032  
 1033 ( 1 ) Excellence 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  
 1066 ( 1 ) Battery storage compartment below R4, WITH sliding tray (standard only on Type III)  
 1074 Note: Battery storage compartment R4-2 to have 52C door latch in lieu of 206 latch  
 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 [Compartment L1: \(Streetside Rear\)](#)

- 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 [Compartment L3/1: \(Outside electrical compartment for power distribution panel\)](#)

- 1135 ( 1 ) One standard LED light in compartment - to be door activated

1144  
 1145 [Compartment L3/2: \(Streetside Intermediate\)](#)

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 [Compartment L4: \(Streetside Forward\)](#)

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 [Compartment R1: \(Curbside Rear\)](#)

- 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
Adjustable shelves with unistrut	0	0.125"
Fixed shelves	0	0.125"

- 1217  
 1218  
 1219  
 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

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

1311 ( 1 ) One standard LED light in compartment - to be door activated

1334

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

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

1489

**PATIENT COMPARTMENT: STANDARD SPECIFICATIONS**

1491

1492

1493

1497

1498

1499

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

1510

1511 ( 1 )

1513

1514

1515

1516

1517

1518

1519

1527

1528

1529

1530

1531

1532

1533

1534

1535 ( 1 )

1539

1540

1550

1563

1564

1565

1570

1571

1572

1573

1577 ( 1 )

1579 ( 1 )

1581

1583

1584

1585

1619

1620

1621 ( 1 )

1687

1688

1689

**PATIENT COMPARTMENT:**

Painted white aluminum interior

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

Built-in Child-Safety Seat? No

# of seat belt harness points: 6

# of arm rests: 0 no arm rests

\* Sewn upholstery

\* WISE brand

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

Cabinet over Action Area to have...

Sliding doors that are made of polycarbonate

**BIO-HAZARD / TRASH CONTAINERS:**

- 1691 ( 1 ) **Two wall mounted Maxim kits - each kit has one sharpes container and one trash container**  
 1694 ( 1 ) **Maxxim kit(s) to be mounted by Excellence 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:**

- 1753  
 1754  
 1755  
 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:**

- 1784  
 1785  
 1786  
 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:
* Lonseal / Lonplate II flooring	421 Mica	Floor covering

Streetside wall covered in:
Floor covering

**HANDRAILS / MOUNTING BRACKETS:**

- 1808  
 1809  
 1810 ( 1 ) **All handrails will be stainless steel, knurled, antimicrobial rails painted (powder coated) yellow.**

**COT / LITTER MOUNT:**

- 1823  
 1825  
 1826 ( Brand ) ( Model )  
 1827 The cot used in this unit will be a: **TBD** | **TBD**

The cot will be supplied by: **Customer**

The retention system will be supplied by: **Customer**

*Purchaser / Customer agrees to idemnify and hold Excellence harmless for the installation of any cot retention system specified by the Customer that is not compliant with any governmental authority.*

**The mounting position for the cot shall be:**

- 1833  
 1834 ( 1 ) \* **Center mount for one cot**

- 1836  
 1838 ( 1 ) **Post and wheel cups will NOT be installed in the patient compartment.**

**THE COT WILL BE SUPPLIED BY CUSTOMER**

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

**\*\* Install customer-supplied cot retention system. Excellence can supply upon request.**

**MODULE ELECTRICAL SYSTEM: STANDARD SPECIFICATIONS**

- 1844  
 1845  
 1849  
 1850  
 1867  
 1868  
 1869  
 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:**

Type of outlet:	Quantity	Location for outlet(s):
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**

1900  
1901  
1902  
1903  
1904  
1905  
1914  
1927  
1929  
1930  
1931  
1932  
1977  
1983  
1985  
1986  
1996  
2048  
2049  
2050  
2051  
2052  
2053  
2060  
2061  
2062  
2077  
2078  
2079  
2080  
2081  
2114  
2125  
2140  
2142  
2143  
2147  
2166  
2167  
2200  
2202  
2203  
2204  
2205  
2206  
2207  
2211  
2212  
2213  
2214  
2215  
2225  
2229  
2230  
2234  
2241  
2242  
2244  
2245  
2283  
2284

**MODULE ELECTRICAL SYSTEM:**

1 Kussmaul #091-32 Load Manager / Sequencer.  
Load Manager and status indicator to be located in cab console.  
( 1 ) Excellance will determine load manager circuits and sequence of priority.

2 #RG58U coax antenna cables from center wiring trough to behind driver's seat  
\* Location for origination of first "std" coax cable: module center trough  
\* Location for termination of first "std" coax cable: behind the cab seat  
\* Location for origination of 2nd "std" coax cable: module center trough  
\* Location for termination of 2nd "std" coax cable: behind the cab seat

( 1 ) TruckLite LEDs # 80162C EMT ("Standard" in action area)  
Four Whelen 8-inch LED dome lights mounted in ceiling on streetside  
( 1 ) Four Whelen 8-inch LED dome lights mounted in ceiling on curbside  
( 1 ) \* All ceiling lights to operate with two switches (one for streetside & one for curbside lights).

**125 VAC ELECTRICAL: STANDARD SPECIFICATIONS**

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

**SHORELINE**

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

**125 VAC ELECTRICAL EQUIPMENT:**

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

**SCENE AND EXTERIOR LIGHTS: STANDARD SPECIFICATIONS**

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

**WORKLIGHTS / FLOODLIGHTS / SPOTLIGHT:**

The hand-held spotlight will be: recess-mounted on passenger side of front console  
( 1 ) Minimum 100,000 CP lamp handheld spotlight w/ momentary switch (Standard)

( 1 ) \* 2 Whelen 900 Super-LED work / scene lights (surface mount with chrome flange) on each side of module (in lieu of halogen lights).  
( 1 ) \* DELETE "standard" Whelen 900 side scene lights on each side of module.  
( 1 ) \* 2 Whelen 900 Super-LED work / scene lights (surface mount with chrome flange) on rear wall of module.  
( 1 ) \* DELETE "standard" Whelen 900 rear scene lights.  
**Note: Scene lights on rear of module will be deleted when rear light bar has scene light option.**

**TURN SIGNAL / TAIL LIGHTS:**

2285  
2286  
2287  
2288  
2289  
2290  
2291  
2417  
2419  
2435  
2436  
2437  
2439  
2440  
2441  
2442  
2455  
2456  
2479  
2480  
2481  
2482  
2484  
2485  
2486  
2487  
2489  
2490  
2491  
2492  
2493  
2494  
2500  
2501  
2502  
2504  
2505  
2506  
2507  
2509  
2510  
2511  
2512  
2513  
2514  
2515  
2516  
2518  
2540  
2541  
2543  
2544  
2549  
2551  
2552  
2590  
2592  
2593  
2594  
2595

**Primary brake, turn signal & backup lighting**

The Primary brake, turn signal, and backup lights on the rear of the module will be:  
600 series L.E.D. lights as turn signals set in a triple Horizontal Casting  
600 series L.E.D. lights as brake lights set in a triple Horizontal Casting  
600 series L.E.D. lights as backup lights set in a triple Horizontal Casting

**GRILLE LIGHTS / INTERSECTION LIGHTS**

**Grille Lights** shall be:

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

( 705 ) **Intersection Lights** on the driver's side shall be: Whelen 700 Red L.E.D. w/o flange clear  
( 705 ) **Intersection Lights** on passenger's side shall be: Whelen 700 Red L.E.D. w/o flange clear

**OTHER VISUAL WARNING LIGHTS: STANDARD SPECIFICATIONS**

Flashing light installed at the top center of front module wall shall be:

( 904 ) Whelen 900 series White LED with flange  
The color of the lens for this light is: clear

Flashing lights in each upper corner of the front module wall (2 total) shall be:

( 901 ) Whelen 900 series Red LED w/ flange  
The color of the lens for this light is: clear

\* Install one additional flashing light on the side of the front wall of module.

( 901 ) This curbside light shall be: Whelen 900 series Red LED w/ flange  
( 901 ) This streetside light shall be: Whelen 900 series Red LED w/ flange  
Color of curbside lens shall be: clear Color of streetside lens shall be: clear

Flashing lights in each upper corner of the curbside module wall (2 total) are:

( 901 ) Whelen 900 series Red LED w/ flange  
The color of the lens for this light is: clear

Flashing lights in each upper corner of streetside module wall (2 total) are:

( 901 ) Whelen 900 series Red LED w/ flange  
The color of the lens for this light is: clear

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

( 701 ) Whelen 700 series Red LED w/ flange  
The wheel well light lens color is: clear

Flashing lights in the upper corners of module rear wall (2 total) shall be:

( 901 ) Whelen 900 series Red LED w/ flange  
The color of the lens for this light is: clear

Flashing light installed at the top center of rear module wall shall be:

( 702 ) Whelen 700 series Amber LED w/ flange  
Color for this lens shall be: clear

( 1 ) 1 Whelen AFM-1660 solid state flasher (Standard)  
( 1 ) The flash pattern for the emergency lights shall be programmed as specified by KKK.

**EMERGENCY AUDIBLE WARNING SYSTEM:**

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

2599  
2618 **Speaker**  
2619  
2620 ( 1 ) Two through-the-bumper mounted speakers ("standard" on E-350, E-450, G3500, G4500).

2651  
2653 **OXYGEN AND SUCTION SYSTEMS: STANDARD SPECIFICATIONS**

2654  
2655 Oxygen system plumbing with cylinder wrench chained in oxygen compartment

2656  
2657 **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  
2678 **Oxygen Systems:**  
2693 Ohio-Diamond type oxygen outlets.

2694 ( 1 ) \* 2 oxygen outlets located at EMT panel, 1 at curbside

2722  
2742 **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  
2782 **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  
2788 **HVAC SYSTEMS:**

2789  
2792 ( 1 ) \* Discharge the HVAC system down the length of the patient compartment in  
2793 the ceiling via the "center trough".

2820 **Ford E-series and Chevy G-series Type III Chassis**  
2821 12 Volt HVAC systems:

2822 ( 1 ) Heavy duty combination heater / air conditioner system w / digital  
2823 electronic thermostat with digital temperature display.

2824 ( 1 ) \* Add under-body-mounted auxiliary A/C condenser

2908  
2910 **FIRE EXTINGUISHER:**

2911  
2912 ( 2 ) 5# ABC fire extinguishers

2914 \* Extinguisher mounting instructions: Ship Loose