

**TAB 9 – PRODUCTS**

Greenwood Emergency Vehicles, Inc. is in compliance with each of the stated requirements in Tab 9 of the MAPC RFP#: FCAM 2015 Ambulances as they pertain to products.

We are proposing to offer the following 5 base model ambulances for the RFP:

- "Horton/Ford F-450 - Model 457 – Type I Ambulance"
- "Horton/Chevy G-4500 - Model 553 – Type III Ambulance"
- "Horton/Ford F-550 – Model 603 – Type I Ambulance"
- "Horton/International Terrastar - Model 623 – Type I Medium Duty Ambulance"
- "Horton/Ford E-450 - Model PE Series – Type III Ambulance"
  
- Each of our base model units meets or exceeds KKK-A-1822-F and NFPA 1917
- Each base model includes a tabular listing of all items included in the base model complete with product codes, model names, and ambulance type and classification
- Each base model includes a one to two page summary listing the standard features that make the base model serviceable for harsh New England winters and a statement certifying compliance with the requirements of Section 5.
- The complete feature listing of "available options" is included in the "price proposal" only as requested on page 27 of the RFP. The "available options" list is a master options list for use with all models.

If any other proof or evidence is required to verify our compliance to Tab 9 of MAPC RFP#: FCAM 2015 Ambulances, please do not hesitate to call or email for further information.

Respectfully,



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**MAPC-FCAM RFP #FCAM 2015 AMBULAN**

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*Year:* 2015  
*Chassis:* Ford Type I, 165" WB, 84"  
*Type:* 1  
*Model:* 457  
*Rev 1* Print Features 1296

**CATEGORIES:**

- A Chassis*
- B Body Connection Pass Thru Type*
- BH Chassis Accessories*
- BL Chassis Electrical*
- C Conversion Model*
- CB Module Body Modifications*
- D Module Body Hardware*
- E Paint and Striping*
- F Cabinet Doors, Handles and Hardware*
- G Interior Colors*
- H Interior Cabinets, Streetside*
- I Interior Cabinets, Curbside*
- J Front Wall Cabinets*
- K Interior Accessories and Trim*
- L Cot Mount, and Patient Handling*
- M Warning Systems, Visual*
- MN Warning Systems, Audible*
- O Lights, Non Emergency*
- P Electrical Power Group*
- Q Heat, Ventilation, Air conditioning*
- R Console, Radio, and communications*
- T Oxygen and Suction*
- U Lettering and Graphics*
- Z Other*

*Prepared By:*



Year: 2015  
 Chassis: Ford Type I, 165" WB, 84"  
 Model: 457

**Option Std Qty Header/Description/Data**

AA000000 1 1 SPECIFICATION FOR A NEW EMERGENCY MEDICAL VEHICLE

**AB Horton Emergency Vehicles Feature List**

**AC CHASSIS**

AFF 1 1 FORD F-SERIES CHASSIS

AFF14015 0 1 CHASSIS, 2015 FORD 165" F-450 CAB/CHASSIS

The chassis required to complete the ambulance conversion shall be supplied by Horton.

AJNSPIC0 1 1 CHASSIS INTERIOR COLOR SHALL BE GRAY

**B CHASSIS MODIFICATIONS, HARDWARE AND ACCESSORIES**

BH010000 1 1 DIESEL EXHAUST FLUID (DEF)

The fill for the DEF tank will be located in the driver's side of the body forward of the rear wheels. A lable stating "DIESEL EXHAUST FLUID (DEF)" will be installed next to the fill neck.

*(Option is applicable to 2011 and later Ford F-series chassis)*

BH02A100 1 1 STAINLESS STEEL WHEEL COVERS

Stainless steel wheel covers shall be installed.



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Option Std Qty Header/Description/Data

- BH03A000 1 1 **MUD FLAPS: front**  
 Install rubber mud flaps behind each front tire.
  
- BH03B000 1 1 **MUD FLAPS: rear**  
 Install individual rear mud flaps behind each set of rear wheels.
  
- BH070000 1 1 **REINFORCE REAR BUMPER END CAPS**  
 Reinforce end caps of rear bumper for greater impact resistance.  
*A section of 2" x 2" steel angle shall be attached to the back side of the std Horton step. (Note, this option is not available on recessed or impact steps).*
  
- BH08HE00 0 1 **RUNNING BOARDS: EMBOSSED ALD W/STAR PUNCH**  
 Install heavy duty aluminum embossed diamond plate running boards and splash shields. Running boards are to be star punched for enhanced drain and foot grip. **INFO REQUIRED**
  
- 4/3/2015
  
- BH110000 1 1 **REAR STEP/ BUMPER ASSEMBLY**  
 The center section of the rear step bumper shall be constructed of aluminum grip strut and be hinged to assist in patient handling.
  
- BH16L000 1 1 **LIQUID SPRING SUSPENSION WITH DUMP FEATURE**  
 A Liquid Spring rear suspension shall be installed. The suspension system shall dump when the left rear entry door is opened. The system shall include a dump override switch.  
 4/9/2015 *DUMP SWITCH LOCATION: Inside Right rear patient entry door*
  
- BH32OR00 1 1 **SUSPENSION SWITCH: dump override**  
 A switch will be installed where specified, to override the automatic dump feature activated by the left rear patient compartment entry door.  
 Switch Locate:
  
- BL073000 1 1 **BATTERIES, STANDARD ON F-SERIES FORD CHASSIS**  
 (2) OEM batteries shall be installed in the manufacturers under hood battery tray locations.



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**Option Std Qty Header/Description/Data**

**BL08A000 1 1 BATTERY HEAT SHIELDS**  
 Battery heat shields will be provided for any battery located under the hood which is not protected by the OEM manufacturer.

**BL250000 0 1 ENGINE HOUR METER**  
 An engine hour meter will be installed in the driver's side of the cab radio console.

**INFO REQUIRED**

4/3/2015

**BL26B000 1 1 BACKUP ALARM RESET**  
 Backup alarm to automatically reset to on if alarm was manually canceled using the control panel alarm cut-off switch (FL25) during previous use.

**BL32A000 1 1 OEM AM/FM/CD PLAYER SHALL BE PROVIDED BY THE OEM MANUFACTURER**  
 OEM AM/FM/CD player shall be provided by the OEM manufacturer on all Horton supplied chassis.  
*Note: This option applies only to chassis supplied by Horton. Chassis supplied by either the customer or the dealer must be ordered with this feature from the chassis OEM.*

**C CONVERSIONS**

**CA510000 0 1 CONVERSION MODEL: 457-1 FORD PASS-THROUGH:**  
 MINIMUM BODY DIMENSIONS:  
 (Exterior)  
 -Height: 92"  
 -Width: 96"  
 -Length: 157"  
 (Interior)  
 -Height: 72"  
 -Aisle: 20"  
 -Width: 20" (from edge of cot in wall position to squad bench riser)  
 -Length: 153"  
 OVERALL DIMENSIONS (Including Chassis, Module and Step):  
 -Height: 115" (to top of vent)  
 -Width: 100"  
 -Length: 291"



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**Option Std Qty Header/Description/Data**

CA510001	1	1	<b>457 STREET SIDE, FRONT:</b> Clear Door Opening: 16.7" wide x 82.1" high Actual Dimension: 21.5" wide x 85.1" high x 20.3" deep This area shall be accessed through a single outside hinged door. This compartment shall house the primary O2 cylinder. The compartment shall be vented to the outside.	
		0	<b>1 DIVIDER ADJUSTABLE, VERTICAL COMPARTMENT</b> Install an adjustable vertical divider as noted below: (Divider material to match the compartment material).	<b><u>INFO REQUIRED</u></b>
			dr11b000 4/9/2015 <i>Locate: Centered in Streetside front compartment</i>	
CA510003	1	1	<b>457 STREET SIDE, INTERMEDIATE:</b> Clear Door Opening: 26.7" wide x 29.3" high Actual Dimension: 32.2" wide x 32.5" high x 20.3" deep This area shall be accessed through a single, outside hinged door.	
		0	<b>1 SHELF FOR LED LIGHTED DOUBLE DOOR COMPARTMENT</b> A diamond plate adjustable shelf shall be installed in the area listed below.	<b><u>INFO REQUIRED</u></b>
			dr09lb00 4/9/2015 <i>Locate: Centered in streetside intermediate compartment</i>	
CA510004	1	1	<b>457 STREET SIDE, REAR:</b> Clear Door Opening: 42.0" wide x 26.3" high Actual Dimension: 46.6" wide x 29.5" high x 20.3" deep This area shall be accessed through double outside hinged doors. The compartment shall be vented to the outside.	
		0	<b>1 SHELF FOR LED LIGHTED DOUBLE DOOR COMPARTMENT</b> A diamond plate adjustable shelf shall be installed in the area listed below.	<b><u>INFO REQUIRED</u></b>
			dr09lb00 4/9/2015 <i>Locate: Centered in streetside rear compartment</i>	
CA510005	1	1	<b>457 CURB SIDE, REAR:</b> Clear Door Opening: 21.1" wide x 79.1" high Actual Dimension: 22.0" wide x 82.1" high x 20.3" deep This area shall be accessed through a single outside hinged door. The unit's primary backboard storage shall be located in this area.	
		0	<b>2 DIVIDER ADJUSTABLE, VERTICAL COMPARTMENT</b> Install an adjustable vertical divider as noted below: (Divider material to match the compartment material).	<b><u>INFO REQUIRED</u></b>
			dr11b000 4/9/2015 <i>Locate: Evenly spaced in curbside rear compartment</i>	



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Option Std Qty Header/Description/Data

CA510006 1 1 **457 CURB SIDE, INTERMEDIATE:**  
 Clear Door Opening: 24.6" wide x 16.6" high  
 Actual Dimension: 32.1" wide x 19.6" high x 20.3" deep  
 This area shall be accessed through a single outside hinged door.

CA510007 1 1 **457 CURB SIDE, FRONT:**  
 Clear Door Opening: 16.5" wide x 82.1" high  
 Actual Dimension: 21.5" wide x 85.1" high x 28.5" deep  
 This area shall be accessed through a single outside hinged door and from an opening located on the curb side forward wall. The area shall be primarily used for storage of customer furnished jump kits.

CAB93AF0 0 1 **KKK-A-1822F CERTIFICATION LABEL**  
 The vehicle shall have weight/payload, electrical load and KKK-A-1822F certification stickers installed in the O2 compartment.

4/9/2015

**CB BODY MODIFICATIONS/OPTIONS**

CB06SW00 1 1 **DOUBLE STEP CURBSIDE ENTRY, 3"**  
 The curbside skirt, forward of the rear wheel well shall be dropped 3 inches. Two integral ALD steps within the side patient door step well shall be available upon opening the side door for easier and lower access to the patient compartment.

4/9/2015

CB06SW10 1 1 **STREETSIDE OF BODY LOWERED 3" FROM STANDARD**  
 The street side of the body forward of the rear wheel well shall be lowered 3" from standard.  
 (Caution-This option may not leave sufficient exhaust pipe clearance for medium duty vehicles).

4/9/2015

CB09SA00 1 1 **PATIENT AREA SOUND PROOFING/ACOUSTIC ENHANCEMENT PACKAGE**  
 Install standard sound control package.



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**Option Std Qty Header/Description/Data**

**D MODULE BODY HARDWARE**

- DG050000 1 1 **WINDOWS, REAR MODULE BODY ENTRY DOORS**  
 The rear module entry doors shall have solid windows. The side entry door shall have a sliding window.
  
- DG060000 1 1 **WINDOW, SLIDING FOR SIDE ENTRY DOOR**  
 The side entry door shall have a sliding window.
  
- DG06A000 1 1 **WINDOW, CURBSIDE OF BODY ABOVE SQUAD BENCH**  
 A fixed window shall be installed on the curbside of the body above the squad bench.
  
- DG080000 1 1 **EMERGENCY DOOR RELEASE MECHANISM**  
 Install standard emergency release knobs on top and bottom of rear module entrance doors.
  
- DH000000 1 1 **Vi-Tech body mounts**  
 Install standard Vi-Tech body mounts.
  
- DH03B000 1 1 **MIRROR STAINLESS STEEL SPLASH SHIELDS**  
 Install #8 mirror stainless splash shields on the lower front face of the body just behind the cab access doors. These splash shields are to be the same height as the diamond plate front corner guards.  
 NOT AVAILABLE ON FORD "E" SERIES CHASSIS IN CONJUNCTION WITH EXTENDED CORNER GUARDS.  
 Note: Check option OL41B000 for running board light pre-punches.
  
- DH040000 1 1 **MODULE BODY FENDERS: stainless steel**  
 Rear wheel housings shall have stainless steel flare skirts to protect the wheel house opening and side body finish.





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**Option Std Qty Header/Description/Data**

DH04RP00	1	1	<b>POLISHED STAINLESS LOWER BODY RUB RAILS</b> Polished stainless lower body rub rails, with #8 mirror finish, are to be along the bottom of the body on each side.	
DH330000	1	1	<b>REAR DOOR HOLD OPENS, GRABBER</b> Install chrome Cast Products "Grabber" style rear door hold opens. (NOTE: HOLD OPENS MUST BE RELOCATED IF TELESCOPIC LIGHTS ARE ORDERED)	
DL48A000	1	1	<b>ELECTRIC DOOR LOCKS: access doors</b> Install power activated door locks on all patient area access doors. Locks to be activated by a switch at each patient area door, and controlled with the access door locks. Locks may be overridden by a manual slide lever or by the door key. A separate lock switch will be located in the front radio console if option DL48D000 (wired to OEM locks) is not selected.	
DL48B000	0	1	<b>ELECTRIC DOOR SWITCH: concealed</b> Install a concealed switch on the exterior of the vehicle to operate the power door lock circuit. Doors shall be wired to unlock only on this circuit.  4/3/2015 Locate: Front grill area	<b><u>INFO REQUIRED</u></b>
DL48D000	0	1	<b>ELECTRIC DOOR LOCKS WIRED TO OEM SWITCHES</b> The module door locks and compartment locks (if ordered) are to be wired to the chassis door lock switches.  4/3/2015	<b><u>INFO REQUIRED</u></b>
DM100000	1	1	<b>REFLECTORS:</b> All patient compartment entry doors shall have red reflectors in the lower corner.	
DR220000	1	1	<b>RUBBER MATTING IN EXTERIOR COMPARTMENTS</b> Ribbed rubber matting will be installed on the floor and shelves of all exterior compartments.	
DR23A000	1	1	<b>RUBBER COVERED WALLS IN BACKBOARD COMPARTMENT</b> The interior of the backboard compartment is to be covered with rubber matting to protect equipment stored in this area.  4/3/2015 Color: Black	<b><u>INFO REQUIRED</u></b>



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Option Std Qty Header/Description/Data

**E PAINT AND STRIPING**

- ED020000 0 1 **CHASSIS PAINT: other color**  
 Paint CHASSIS special color INFO REQUIRED  
 4/3/2015 *Paint Color: Match module color as specified*  
*Paint Number:*
  
- ED040000 1 1 **MODULE PAINT: standard white**  
 Paint module standard white Sikkens #FLNA4002. INFO REQUIRED  
 4/3/2015 *White or Red.*
  
- ED20AA00 1 1 **STRIPE: 8" Scotchlite beltline**  
 Apply an 8" Scotchlite beltline stripe in the color listed below: INFO REQUIRED  
 4/3/2015 *Color: TBD Scotchlite*
  
- ED20PS00 1 1 **PAINT PANEL: sample**  
 A painted test panel shall be prepared with the following paint color and number, to confirm correct paint selection. The panel will be mailed as designated.  
*Color:*  
*Paint Number:*
  
- ED300000 1 1 **PIN STRIPE: 1/4" black**  
 The single color stripe as described above shall include a 1/4"black pinstripe that surrounds the entire accent stripe.
  
- ED30C000 0 2 **PINSTRIFE: 1" SCOTCHLITE (EACH)**  
 1" Scotchlite pin striping shall be installed per the information listed below. INFO REQUIRED  
 4/3/2015 *Quantity: 2*  
*Color: TBD*  
  
*STANDARD LOCATION. Surround beltline stripe as specified.*



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**Option Std Qty Header/Description/Data**

**F INTERIOR CABINET DOORS, HANDLES & HARDWARE**

- FE010000 1 1 FULL HEIGHT PULL HANDLES ON SLIDING PLEXIGLAS DOORS  
 All sliding cabinet doors to have full length pull handles.
- FE01FT00 1 1 LATCH, HINGED DOOR: Southco flush stainless steel pull style  
 Install stainless flush mount Southco pull latches on the hinged interior cabinet doors.
- FE02A000 1 1 PLEXIGLAS COLOR: light tint  
 All Plexiglas doors to be light tint.
- FE060000 1 1 STAINLESS STEEL COUNTER TOPS (STANDARD)  
 Stainless steel pan formed counter tops shall be installed in the patient area.
- FE08ST00 1 1 INHALATION PANEL (STANDARD):  
 The inhalation panel is to be fabricated from composite material and covered with Formica to match to color selected.

**G INTERIOR COLORS, UPHOLSTERY AND SEATING**

- GF01LA00 0 1 INTERIOR COLOR SCHEME: BATTALION BLUE
 

Floor:	LONCOIN SAPPHIRE BLUE
Risers:	WILSONART INDIGO
	(option) STAINLESS
Walls:	WILSONART NATURAL ALMOND
	(option) DESERT SAND CG TECH
Cabinets:	FLEECE PAINT
Upholstery:	COBALT BLUE
Countertop:	STAINLESS STEEL
	(option) LG - HAZELNUT SHELL
Accent Stripe:	WILSONART BRITTANY BLUE

**INFO REQUIRED**

4/3/2015



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**Option Std Qty Header/Description/Data**

**GF02M000 1 1 INSIDE CABINET FINISH: paint**

The interior of all aluminum cabinets shall have a durable paint finish. The painted surface shall be washable and non-absorbent. See the appropriate Interior Color Scheme option for paint color information.

**GF02P000 1 1 RISERS:**

The interior of this vehicle is to contain no wood or wood products. The risers are to be made of reinforced structural composite board covered with Formica per the color description. Formica will not be installed on the risers if stainless steel riser options are selected.

*Note: Riser thickness to be modified if option #PL27CP00 is ordered.*

**GK12D000 0 1 EVS CHILD SAFETY SEAT WITH 3-POINT SEAT BELT**

Delete the standard attendant seat cushion. Install a high back bucket seat with built in child seat restraints and 3-point occupant restraint. The seat to be adjustable front to rear.

**INFO REQUIRED**

4/3/2015

**GK140000 1 1 SEAT BELTS:**

Install standard seat belt package for use with HOPS.

*Note: Requires Option #IG070000 (Squad bench end restraint for use with HOPS)*

**H INTERIOR CABINETRY, STREET SIDE**

**HK000000 1 1 LINEN CLOSET**

Install a vertical storage cabinet behind the attendant seat. The upper storage area shall house the primary electrical distribution area. The lower section shall be used for miscellaneous storage. Each area shall be accessed through hinged doors. The electrical distribution area shall include a Southco key lock/latching device. The entire cabinet shall be fabricated from aluminum and shall then be painted, unless otherwise specified.

**HK001000 1 1 HOPS SYSTEM:**

The unit is to be equipped with the HOPS system.

*Note: Deletion of the system along with the selection of option #HK01A000 requires that the credit provided under HK01B000 be deleted.*



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**Option Std Qty Header/Description/Data**

- HK001B00 1 1 RADIUS STYLE CABINET TRIM**  
 Install smooth 1.5" radiused trim on all applicable interior cabinets.
- HK01B000 1 1 STREETSIDE WALL WITH CPR SEAT**  
 Street side wall to have CPR configuration. All cabinets over 14"H will include (1) standard adjustable shelf.  
 SEE DRAWINGS  
 Configure: street side cabinets to be 18" deep.
- HK17C000 1 1 SHARPES/WASTE DISPOSAL:**  
 Install sharpes and waste disposal in a metal container recessed into the inhalation counter top. Access to the waste receptacle shall be through a spring loaded door. The neck of the sharps container shall protrude through the top surface of the receptacle. Disposal of both containers shall be accessible by raising a hinged aluminum lid.

**INTERIOR CABINETS AND SQUAD BENCH, CURB SIDE**

- IA200000 1 1 SQUAD BENCH STORAGE:**  
 Storage shall be provided under the bench cushions. The area shall run where possible under the bench. The storage pan shall be fabricated from aluminum and shall be accessed by raising the split cushions.
- IG070110 1 1 SQUAD BENCH END RESTRAINT FOR USE WITH HOPS**  
 Install a restraint that is 16" above the seating surface at the head end of the bench. Standard for use in conjunction with HOPPS 3-point seat belts.  
 DWG #105078
- IG10A000 1 1 BENCH HOLD OPENS: gas**  
 Install gas spring hold opens on squad bench lid.



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**Option Std Qty Header/Description/Data**

- IG10Q000 1 1 **BENCH HOLD-DOWN: paddle latches (Pair)**  
 Install recessed paddle latches into the squad bench riser to retain the squad bench lids in the closed position. The latches shall be both passive and positive.
  
- IG15A000 1 1 **BENCH CUSHION EDGE TRIM:**  
 Trim bench cushion edge with protective aluminum trim, to protect horizontal edge of squad bench cushion from tears..
  
- IG15B000 1 1 **BENCH BACK CUSHION: full size**  
 Delete individual squad bench back cushions. Install full size cushion.
  
- IK18AA00 1 1 **CURBSIDE OVERHEAD CABINET: hinged doors**  
 Storage shall be provided above the squad bench. The storage shall run the full length of the squad bench and shall be accessed through hinged Plexiglas doors that are held in the open position with gas activated rods. The entire cabinet shall be fabricated from aluminum. The cabinet is to be 9" H to meet current K requirements.

**J INTERIOR CABINETS, FRONT**

- JAK03000 1 1 **FRONT WALL CABINET:**  
 The front wall cabinet shall be arranged per drawing. Additional configuration information may follow.  
*Cabinet wall finish: paint*
  
- JE040000 4 4 **FRONT WALL DOORS: Plexiglas**  
 Front cabinet wall to have hinged Plexiglas doors, and latch type as designated.  
*Type: Plexiglas*  
*Latch Style: Southco*
  
- JK13A100 1 1 **CAB TO MODULE ACCESS DOOR**  
 A hinged door shall be recessed into the side of the right front cabinet. This door shall close off the crawl through access to the cab when in the closed position.

4/9/2015 *This option cannot be used for credit in a non crawl through vehicle.*



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Option Std Qty Header/Description/Data

**K MODULE INTERIOR ACCESSORIES AND TRIM**

- KG02B000 2 4 IV HANGER, CAST PRODUCTS WITH RUBBER ARM**  
 Cast products recessed IV hangers with rubber arms for attaching solution bags shall be installed in the designated locations. **INFO REQUIRED**  
 4/3/2015 Locate: TBD
- KG09B000 1 1 CEILING GRAB RAIL: standard (2) 2ft rails or (1) 6ft rail anti-microbial**  
 Cabinet wall "A" will have (1) 6' rail over cot as standard.  
 Cabinet wall "B" will have (2) 2' rails, 1-forward and 1-to rear of CPR seat.
- KG09K000 1 1 PATIENT DOOR GRAB RAILS: angled with anti-microbial coating**  
 All patient access doors to have heavy duty angled stainless steel grab rails with smooth radius corners and flange mounting and anti-microbial coating.
- KG110000 1 1 FLOOR TRIM**  
 Trim floor with cove molding at non rolled areas of floor.
- KG120000 1 1 CABINET TRIM**  
 Trim all vertical and horizontal edges.
- KG16B000 1 1 CEILING MATERIAL, PLATINUM WHITE ALUMINUM COMPOSITE**  
 The standard module ceiling material shall be platinum white aluminum composite.
- KG17A000 2 2 FIRE EXTINGUISHERS: 5lb ABC**  
 Supply five pound fire ABC extinguisher(s). Ship loose, or identify mounting location(s).  
 Locate: SHIP LOOSE

**L COT MOUNTS AND ACCESSORIES**



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**Option Std Qty Header/Description/Data**

LG03A000 0 1 COT MOUNT STYLE: 175-3 single position  
 Cot mount to be single position FW 175-3 for full cabinet wall. **INFO REQUIRED**  
 4/3/2015 Cot Model: TBD

**M LIGHTBARS FRONT AND REAR**

MAM148F0 1 1 FRONT LIGHTBARS FOR 96" BODIES

0 1 LIGHT BAR: custom front  
 mam15y00 Install special front light bar.  
 4/3/2015 Model: Whelen Liberty II WC  
 Configure:RL-RL-WL-RL-WL-WL-RL-WL-RL-RL

0 1 LIGHT BAR MOUNT: cab roof  
 mam20a00 Mount light bar on cab roof.  
 4/3/2015 Model: selected above

**MM ELECTRICAL EMERGENCY VISUAL WARNING SYSTEMS**

MM01A000 0 1 WIG WAG HEADLIGHTS:  
 Install wig wag headlight flasher. **INFO REQUIRED**  
 4/3/2015

MM26B030 0 10 RED SUPER L.E.D. LIGHT, 900 SERIES  
 Whelen 900 series red super L.E.D. lights shall be installed in the  
 designated locations. **INFO REQUIRED**  
 4/3/2015 Location: (2) Front Face  
 (2) Upper streetside corners  
 (2) Upper curbside corners  
 (2) Rear Face  
 (2) Rear Window Level  
 Lens color: Red





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Option Std Qty Header/Description/Data

MM26L030	0	1	WHITE SUPER L.E.D. KKK FRONT LIGHT, 700 SERIES A Whelen 700 series clear super L.E.D. light shall be installed in the front face of body.  4/3/2015	<u>INFO REQUIRED</u>
MM26R030	0	1	AMBER SUPER L.E.D. KKK REAR LIGHT, 700 SERIES (1) AMBER series 700 super L.E.D. light to be mounted centered on rear face of modular body.  4/3/2015 Lens color:	<u>INFO REQUIRED</u>
MM26SA30	0	1	INTERSECTION LIGHTS, SUPER L.E.D. 700 SERIES Whelen 700 series Intersector super L.E.D. lights shall be installed on each fender.  4/3/2015 Lens color: Red	<u>INFO REQUIRED</u>
MM26TT00	1	1	GRILLE LIGHTS, 500 SERIES SUPER LED's TIR6 TIR6, 500 series Super LED grille lights shall be installed.  4/3/2015 Lens color: Red	<u>INFO REQUIRED</u>
MM26TT20	1	1	GRILLE LIGHT HOUSINGS FOR 500 SERIES TIR6 LED GRILLE LIGHTS LH52611-1 grille light housings will be installed on the cross member of the grille for mounting of 500 series Super LED, TIR6 grille lights.  For use with current model Ford F-Series	
MM27AA10	0	2	LIGHT, AMBER SUPER L.E.D., 900 SERIES Each Whelen amber flashing 900 series super L.E.D. series light shall be installed where designated. The lamp shall include a chrome flange housing.  4/3/2015 Locate: Rear module body at window level.  Lens color: AMBER	<u>INFO REQUIRED</u>

<b>MN</b>	<b>AUDIBLE EMERGENCY WARNING SYSTEMS</b>
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Option Std Qty Header/Description/Data

MN35CA00 0 1 SIREN, WHELEN #295SLSA1  
 A Whelen #295SLSA1 siren shall be installed.

**INFO REQUIRED**

4/3/2015

MN40A000 1 1 SIREN INSTALL:  
 The siren listed above shall be supplied and mounted as defined.

MN45DH00 1 1 SIREN SPEAKERS: C.P. SAD3806 & SAP3806 RECESSED IN BUMPER  
 Cast Products #SAD3806 & SAP3806 siren speakers shall be recess mounted into the ends of the chassis bumper.  
 For use with current model F-Series chassis.

MN50A000 1 1 SPEAKER INSTALL: bumper  
 Speaker Selections (Bumper Installed)

**O LIGHTS**

OL09L000 0 1 KKK SIDE BODY MARKER LIGHTS, 700 SERIES L.E.D. (PAIR)  
 Install red Whelen L.E.D. 700 series turn/marker lights on each rear side of the module body. Lights provide module body night time side lighting visibility and turning signal indication.

**INFO REQUIRED**

4/3/2015

OL34L000 1 1 LED EXTERIOR COMPARTMENT LIGHTING  
 All exterior compartments will be lighted with LED strip lighting. A vertical strip will be installed inside both sides of each compartment. The lights shall be directed toward the back of the compartment.  
 Note: This does not include wheelwell compartments.

OL35D000 1 1 ICC MARKER LIGHTS  
 Install standard rolled marker lights along the upper corner post front and rear.  
 Note: Do not install if lightbar(s) already includes standard marker lights.



Year: 2015  
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 Model: 457

Option Std Qty Header/Description/Data

- OL41B000 0 1 RUNNING BOARD LIGHTS, WHELEN PAR 16 L.E.D.**  
 Clear Whelen Par 16 round L.E.D. lights mounted in chrome flanges shall be installed in the front of the module body . Locate in the stainless steel stone guard above the running boards. The lights shall be wired to the chassis door switch and illuminate the step/running board. **INFO REQUIRED**

4/3/2015 REQUIRES PRE-PUNCHED STONE GUARDS DH030000 or DH03B000.
- OM25AA00 0 2 SIDE SCENE LIGHTS, 900 SERIES, LED**  
 Install Whelen 900 series #9SCOENZR side scene lights. **INFO REQUIRED**

4/3/2015 Locate: (1) Streetside and (1) Curbside of Module. Evenly spaced between 900 LED corner flashers
- OM25DD00 0 2 LOAD LIGHTS WHELEN 900 SERIES LED**  
 Rear load lights to be (2) Whelen #9SCOENZR LED lights. **INFO REQUIRED**

4/3/2015
- OM30D000 0 1 TAIL LIGHTS, M6 SERIES**  
 Whelen M6 series brake/tail, amber arrow turn and backup lights to be installed in the selected location. **INFO REQUIRED**

4/3/2015 Locate: Stack on rear module body

**P ELECTRICAL POWER GROUP**

- PAL00006 1 1 INTELLIPLIX I4G:**  
 Install the Intelliplex i4G electrical system. System is to include a USB port installed under the dash for ease of programming.
- PAL01D00 0 1 INPOWER ELECTRONIC BATTERY SWITCH, I4G**  
 Install an Inpower electronic battery switch. Switch is to activate battery power through the vehicle ignition and is to include an automatic shutdown timer to deactivate battery power after the ignition is turned off. **INFO REQUIRED**

This option is to include the LED push button power wake/timer switch.

4/3/2015 Shut down timer interval: 5 minutes



Year: 2015  
 Chassis: Ford Type I, 165" WB, 84"  
 Model: 457

Option Std Qty Header/Description/Data

**PAL04D00 1 1 CHARGER/POWER SUPPLY: 45 AMP**

Install a 45 amp battery conditioner in the designated electrical equipment area. Conditioner to be wired to the batteries through the standard shoreline inlet.

**PAL30A00 2 2 110V INTERIOR OUTLET**

Two 110V interior outlets are provided as standard on all models. The standard locations are in the inhalation area and the wall over the squad bench. List the standard outlet locations and any deviation from the standard, plus any additional outlet locations below:

Locate: Inhalation area  
 Locate: Wall over squad bench

**PAL31C00 3 3 INTERIOR 12VDC OUTLETS: cigarette lighter type**

12 volt outlets to use cigarette lighter style connectors.

**INFO REQUIRED**

4/3/2015 Locate: Inhalation area (2)  
 Locate: Front wall cabinet  
 Configure: TBD

**PAL38E00 0 1 SHORELINE, KUSSMAUL SUPER AUTO EJECT, 20 AMP NON ARCING**

Install a 20 amp Kusssmaul non-arcing auto ejection shoreline receptacle.

**INFO REQUIRED**

4/3/2015 Locate: Street side of module body

**PAL38IL0 0 1 SHORELINE INDICATOR:**

Install an indicator pilot light to show power to A.C. circuits and presence of activated shoreline.

**INFO REQUIRED**

4/3/2015 Locate: Above the shoreline inlet  
 Configure: LED

**PAL40000 1 1 EXTRA 12VDC CIRCUIT BREAKER:**

An extra circuit breaker shall be installed.

**PL10A000 1 1 SWITCH PANEL MOUNT:**

Switch panel to be flush mounted in upper face of console.



Year: 2015  
 Chassis: Ford Type I, 165" WB, 84"  
 Model: 457

Option Std Qty Header/Description/Data

PL11F000 1 1 **PROGRAMMING: AUDIBLE LOW VOLTAGE ALARM**  
 Program an audible alarm to activate if the voltage drops below 11.8 volts for 120 seconds.

PL11G000 1 1 **LIGHT PROGRAMMING: park brake**  
 A warning shall display on the front console readout, advising to set the Parking Brake, should the modular disconnect switch be "ON" and the transmission placed in "PARK" or "NEUTRAL". It will also advise to Disengage the Parking Brake should the vehicle be placed into gear.  
 Configure: wire alarm to activate with red flasher circuit

PL19A000 1 1 **REPORT LIGHT**  
 Install a 12" Tecniq LED bar style report light.

PL22C000 1 1 **STEP WELL LIGHT:**  
 Install a 10.5" LED Vista light strip in the standard location on the bench side of the step well. Light to activate with door open.

PL27CA00 0 8 **PATIENT CEILING DOME LIGHTS: WHELEN LED**  
 Install Whelen 80C0EHCR LED dome lights in the patient area ceiling per the locations listed below. The lights will have a high/low feature with the switch in the rear control panel. **INFO REQUIRED**  
 4/3/2015 (A minimum of seven lights are required for lighting compliance)  
 Locate: (3) OVER COT, (3) OVER BENCH and (1) above the walkthrough.  
 (Recommended) #10008603  
 Locate: (4) Over Main Cot (favor the streetside edge of cot)  
 (4) Over the bench seat (favor the isle edge of bench)

**Q HEATING, AIR CONDITIONING AND INTERIOR ENVIRONMENT**

QH29F100 1 1 **HEAT/AC SYSTEM FORD F SERIES CHASSIS**  
 Install a ProAir 12V heat/AC system below the attendant seat. Unit is to include a replaceable filter at the air intake point.



Year: 2015  
 Chassis: Ford Type I, 165" WB, 84"  
 Model: 457

**Option Std Qty Header/Description/Data**

**QH29F500 1 1 RECEIVER/DRYER KIT, ALL FORD F-SERIES CHASSIS**  
 Receiver/dryer kit #63 000 744 w/pressure switch shall be installed in the air conditioning system.

**QL43N000 1 1 NFPA COMPLIANT VENTING-CAST VENTS**  
 Install an NFPA style venting system to include a 400cfm exhaust vent along with a static vent. Install 9.5" square polished covers on both vents per drawings.

**R CAB CONSOLE AND COMMUNICATIONS**

**RJ01A000 1 1 ANTENNA COAX 1:**  
 An RG 58U coax shall be installed so that the ambulance conversion need not be disassembled.  
 4/10/2015 Exterior Termination: To be determined  
 Interior Termination: To be determined

**RJ03MM00 0 1 ANTENNA: K-94 mount.**  
 Supply and install K-94 antenna base as designated. **INFO REQUIRED**  
 This option is less the antenna coax. An antenna coax option must be selected to be installed.  
 4/3/2015 Coax Number(s): J01

**RJ040000 1 1 RADIO CABLE PULL WIRE**  
 A standard pull wire for radio installation shall be installed from behind the driver's seat to behind the inhalation panel.

**RJ05B000 1 1 FRONT CONSOLE:**  
 A console shall be fabricated to coordinate with the interior cab color. Room shall be provided on the face of the console for installation of radio and siren controls.

**RJ05C000 0 1 CONSOLE EXTENSION:**  
 A box for mounting radio heads and storage maps, books, or binders will be attached to the standard engine cover console. Standard box includes (3) 2.5 storage sections, and 8.5 faceplate for radio mounting. **INFO REQUIRED**  
 4/3/2015



Year: 2015  
 Chassis: Ford Type I, 165" WB, 84"  
 Model: 457

**Option Std Qty Header/Description/Data**

RJ080000 1 1 **RADIO POWER/GROUND:**  
 Install 6 gauge cable to positive and ground studs for radio power.  
 Locate: bulkhead wall, behind driver seat  
 Configure: battery switched

**T OXYGEN AND SUCTION**

TN002000 1 1 **OXYGEN BOTTLE MOUNT, VERTICAL TRACK FOR QRM-V**  
 Vertical track for mounting of a QRM-V O2 bottle mount shall be welded on the back wall of the compartment in the right hand corner. The O2 bottle mount is adjustable for "M" or "H" size tanks.

TN01MW00 1 1 **OXYGEN BOTTLE, CYLINDER BRACKET: Zico**  
 Zico QRM-V oxygen bracket shall be installed.  
 Locate: standard location  
 Tank Size: "M"

TN030000 2 2 **OXYGEN OUTLETS, STANDARD**  
 Two oxygen outlets to be provided as standard and located in the inhalation panel unless relocated per option TN03RL00.

TN03A000 0 1 **OXYGEN OUTLET: additional**  
 Install additional oxygen outlet(s).  
 4/3/2015 Locate: Patient area ceiling over Head of main Cot.

**INFO REQUIRED**

TN04A000 1 1 **ADAPTER TYPE: Ohio Diamond II**  
 Oxygen outlets to be Ohio Diamond II.

TN050000 1 1 **FLOWMETER:**  
 Supply dial type flowmeter.

TN060000 1 1 **OXYGEN WRENCH:**  
 Install oxygen wrench in oxygen compartment. Mount secure so not left hanging. Mount with length of chain or cable so not removable.



Year: 2015  
 Chassis: Ford Type I, 165" WB, 84"  
 Model: 457

Option    Std Qty    Header/Description/Data

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- TN100000    1    1 **VACUUM OUTLET: inhalation wall**  
 A single vacuum panel shall be installed in the inhalation area. The outlet shall be of the same style as the oxygen system and hooked to the onboard vacuum pump.
  
- TN11B000    1    1 **ASPIRATOR: SSCOR**  
 Install an SSCOR aspirator. The system shall include a #22000 wall mounted regulator, and a #23002 canister holder. Plumb to the pump selected.
  
- TN12D000    1    1 **VACUUM PUMP:**  
 Install a CAPL #D34 SE (T282) 12vdc electric suction pump.
  
- UP180000    1    1 **DOOR REFLECTORS**  
 Install 2" x 12" strips of red Scotchlite at the top of each entry door placed horizontally.
  
- Z04            0    1 **Fuel, Tags, Etc.**  
 Allowance for fuel, tags and administrative.





*Year:* 2015

*Chassis:* Ford Type I, 165" WB, 84"

*Model:* 457

**Option    Std Qty    Header/Description/Data**

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*Authorized Department Signature(s):* \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Highlighting Items Exceeding KKK/Minimum Requirements and to Optimize Harsh Weather Operations

*\*\*Each of the 5 Base Model ambulances offered by Horton/Greenwood in our proposal for RFP# FCAM 2015 Ambulances are in compliance with the current KKK-A-1822F Federal Specifications for Star-of-Life Ambulance and Commonwealth of Massachusetts Department of Public Health rules and regulations for ambulances*

All third party impact, roll-over, and impact testing exceeds AMD, SAE and KKK-1822-F testing requirements. Horton has conducted the following testing:

Static Load Test – Roof – 90,000lbs\*

Static Load Test - Side – 44,000lbs

Side Body Impact – 35G of Force

Squad Bench Test – 19,500lbs

Attendant Seat Test – 9,250lbs

CPR Seat Test – 7,000lbs

Cabinet Structure Test – 145,874lbs\*\*

Head of Bench Test – 145,874lbs\*\*

Litter Retention Test – 2,500lbs

\*On 10-point mounting system

\*\*Based on side crash test with 35G of force

Third Party certified HVAC system with a superior defrosting system and A/C for rehab

Sound levels in the ambulance are significantly less than what is allowed by Federal regulations (80 dba)

All base model ambulances have floor heights that are lower than required by KKK-1822F (34")

All base model ambulances have available payload capacities that exceed K-requirements

All interior, exterior and warning lighting exceeds K requirements for light output

All Horton base models exceed the K requirements for ventilation with the standard 400CFM vents.

## Body

.125 extruded body for the heaviest duty body in the industry which offers greater durability in harsh New England road conditions.

No wood products are used in the construction of a Horton ambulance. Wood products can rot and deteriorate over time and can also harbor blood borne pathogens and bacteria. Horton uses Agion anti-bacterial coatings on all doors, handrails, counters, etc.. to resist bacteria wherever possible. These are important factors, especially in the harsh New England climates.

Rolled up and sealed flooring on all Horton base models is easier for cleaning in the harsh New England climates

Aluminum tread walking surfaces exceeds minimum for firefighter safety

Roll over air bag system (Horton Occupant Protection System or HOPS) is a benefit in harsh New England climates proving safety in case of icy road conditions that could potentially cause a roll over.

## Electrical

Horton I4G multiplexed electrical system with fewer connections that are all weather tight

All LED D.O.T. cab and body lighting package

The entire warning light package is LED, enhancing durability and safety



Greenwood Emergency Vehicles, Inc--530 John Dietsch Boulevard--North Attleboro, MA 02763-1080

**MAPC-FCAM RFP #FCAM 2015 AMBULAN**

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*Year:* 2015  
*Chassis:* GMC/Chevrolet Type III, 100"  
*Type:* 3  
*Model:* 553B  
*Rev 2* Print Features 1295

**CATEGORIES:**

- A Chassis*
- B Body Connection Pass Thru Type*
- BH Chassis Accessories*
- BL Chassis Electrical*
- C Conversion Model*
- CB Module Body Modifications*
- D Module Body Hardware*
- E Paint and Striping*
- F Cabinet Doors, Handles and Hardware*
- G Interior Colors*
- H Interior Cabinets, Streetside*
- I Interior Cabinets, Curbside*
- J Front Wall Cabinets*
- K Interior Accessories and Trim*
- L Cot Mount, and Patient Handling*
- M Warning Systems, Visual*
- MN Warning Systems, Audible*
- O Lights, Non Emergency*
- P Electrical Power Group*
- Q Heat, Ventilation, Air conditioning*
- R Console, Radio, and communications*
- T Oxygen and Suction*
- U Lettering and Graphics*
- Z Other*

*Prepared By:*



Year: 2015  
 Chassis: GMC/Chevrolet Type III, 100"  
 Model: 553B

Option Std Qty Header/Description/Data

AA000000 1 1 SPECIFICATION FOR A NEW EMERGENCY MEDICAL VEHICLE

**AB Horton Emergency Vehicles Feature List**

**AC CHASSIS**

AGC 1 1 G-CUTAWAY GMC/CHEVROLET CHASSIS

AGC40015 0 1 CHASSIS, 2015 CHEVROLET G4500 CUTAWAY, 159"  
 The chassis required to complete the ambulance conversion shall be supplied by Horton.  
*Specs pending*

AJNSPIC0 1 1 CHASSIS INTERIOR COLOR SHALL BE GRAY

**B CHASSIS MODIFICATIONS, HARDWARE AND ACCESSORIES**

BH011000 1 1 DIESEL EXHAUST FLUID (DEF)  
 The fill for the DEF tank will be located in the driver's side of the body rearward of the rear wheels. A label stating "DIESEL EXHAUST FLUID (DEF)" will be installed next to the fill neck.  
*(Option is applicable to 2011 and later GM Cutaway chassis)*

BH02A320 1 1 STAINLESS STEEL WHEEL COVERS  
 Stainless steel wheel covers shall be installed.



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 Model: 553B

Option Std Qty Header/Description/Data

- BH03A000 1 1 **MUD FLAPS: front**  
 Install rubber mud flaps behind each front tire.
  
- BH03B000 1 1 **MUD FLAPS: rear**  
 Install individual rear mud flaps behind each set of rear wheels.
  
- BH070000 1 1 **REINFORCE REAR BUMPER END CAPS**  
 Reinforce end caps of rear bumper for greater impact resistance.  
*A section of 2" x 2" steel angle shall be attached to the back side of the std Horton step. (Note, this option is not available on recessed or impact steps).*
  
- BH08HE00 0 1 **RUNNING BOARDS: EMBOSSD ALD W/STAR PUNCH**  
 Install heavy duty aluminum embossed diamond plate running boards and splash shields. Running boards are to be star punched for enhanced drain and foot grip.  
  
 4/3/2015
  
- BH120000 1 1 **REAR STEP/ BUMPER ASSEMBLY**  
 The center section of the rear step bumper shall be constructed of aluminum grip strut and be hinged to assist in patient handling. Product is specially constructed for use on G Series chassis.
  
- BL070000 1 1 **BATTERIES, STANDARD ON TYPE III CHASSIS**  
 (2) batteries shall be installed in the specified battery compartment on a pull out tray.
  
- BL250000 0 1 **ENGINE HOUR METER**  
 An engine hour meter will be installed in the driver's side of the cab radio console.  
  
 4/3/2015
  
- BL26B000 1 1 **BACKUP ALARM RESET**  
 Backup alarm to automatically reset to on if alarm was manually canceled using the control panel alarm cut-off switch (FL25) during previous use.



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 Model: 553B

**Option Std Qty Header/Description/Data**

**BL32A000 1 1 OEM AM/FM/CD PLAYER SHALL BE PROVIDED BY THE OEM MANUFACTURER**  
 OEM AM/FM/CD player shall be provided by the OEM manufacturer on all Horton supplied chassis.  
*Note: This option applies only to chassis supplied by Horton. Chassis supplied by either the customer or the dealer must be ordered with this feature from the chassis OEM.*

**C CONVERSIONS**

**CA576000 0 1 CONVERSION MODEL: 553B Type III G4500:**  
 MINIMUM BODY DIMENSIONS:  
 (Exterior)  
 -Height: 89"  
 -Width: 96"  
 -Length: 169"  
 (Interior)  
 -Height: 72"  
 -Aisle: 20"  
 -Width: 20" (from edge of cot in wall position to squad bench riser)  
 -Length: 165"  
 OVERALL DIMENSIONS (Including Chassis, Module and Step):  
 -Height: 112" (to top of vent)  
 -Width: 100"  
 -Length: 269.5"

**CA576001 1 1 553B STREETSIDE FORWARD:**  
 Clear Door Opening: 18.2" wide x 79.1" high  
 Actual Dimension: 22.0" wide x 82.1" high x 20.3"  
 This area shall be accessed through a single outside hinged door. The compartment shall house the vehicle's primary O2 cylinder. The compartment shall be vented to the outside.

**0 1 DIVIDER ADJUSTABLE, VERTICAL COMPARTMENT**  
 dr11b000 Install an adjustable vertical divider as noted below: (Divider material to match the compartment material).

4/3/2015 *Locate: Centered in Compartment*

**CA576002 1 1 553B STREETSIDE INTERMEDIATE:**  
 Clear Door Opening: 49.2" wide x 38.3" high  
 Actual Dimension: 51.5" wide x 41.5" high x 20.3"  
 This area shall be accessed through double, outside hinged doors. Both doors shall have exterior door handles and latching devices.



Year: 2015  
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 Model: 553B

**Option Std Qty Header/Description/Data**

- 0 1 **SHELF FOR LED LIGHTED DOUBLE DOOR COMPARTMENT**  
 dr09lb00 A diamond plate adjustable shelf shall be installed in the area listed below.  
 4/3/2015 Locate: Centered in Compartment
- CA576004 1 1 **553B STREETSIDE REAR:**  
 Clear Door Opening: 32.0" wide x 38.3" high  
 Actual Dimension: 37.4" wide x 41.5" high x 20.3"  
 This area shall be accessed through double, outside hinged doors. Both doors shall have exterior door handles and latching devices.
- 0 1 **SHELF FOR LED LIGHTED DOUBLE DOOR COMPARTMENT**  
 dr09lb00 A diamond plate adjustable shelf shall be installed in the area listed below.  
 4/3/2015 Locate: Centered in compartment
- CA576005 1 1 **553B CURBSIDE REAR:**  
 Clear Door Opening: 22.1" wide x 79.1" high  
 Actual Dimension: 26.2" wide x 82.1" high x 20.3"  
 This area shall be accessed through a single outside hinged door.
- 0 2 **DIVIDER ADJUSTABLE, VERTICAL COMPARTMENT**  
 dr11b000 Install an adjustable vertical divider as noted below: (Divider material to match the compartment material).  
 4/3/2015 Locate: Evenly Spaced in compartment
- CA576006 1 1 **553B CURB SIDE, FRONT:**  
 Clear Door Opening: upper 22.1" wide x 65.0" high  
 lower 22.1" wide x 12.6" high  
 Actual Dimension: upper 27.2" wide x 65.0" high x 28.5" deep  
 lower 27.2" wide x 12.6" high x 20.3" deep  
 This area shall be accessed through two outside hinged doors and from an opening located on the curb side forward wall. The upper area shall be primarily used for storage of customer furnished jump kits, the lower area for the storage for two batteries on a roll out tray.
- CAB93AF0 0 1 **KKK-A-1822F CERTIFICATION LABEL**  
 The vehicle shall have weight/payload, electrical load and KKK-A-1822F certification stickers installed in the O2 compartment.  
 4/3/2015





Year: 2015  
 Chassis: GMC/Chevrolet Type III, 100"  
 Model: 553B

Option Std Qty Header/Description/Data

**CB BODY MODIFICATIONS/OPTIONS**

CB09SA00 1 1 PATIENT AREA SOUND PROOFING/ACOUSTIC ENHANCEMENT PACKAGE  
 Install standard sound control package.

**D MODULE BODY HARDWARE**

DG050000 1 1 WINDOWS, REAR MODULE BODY ENTRY DOORS  
 The rear module entry doors shall have solid windows. The side entry door shall have a sliding window.

DG060000 1 1 WINDOW, SLIDING FOR SIDE ENTRY DOOR  
 The side entry door shall have a sliding window.

DG06A000 1 1 WINDOW, CURBSIDE OF BODY ABOVE SQUAD BENCH  
 A fixed window shall be installed on the curbside of the body above the squad bench.

DG080000 1 1 EMERGENCY DOOR RELEASE MECHANISM  
 Install standard emergency release knobs on top and bottom of rear module entrance doors.

DH000000 1 1 Vi-Tech body mounts  
 Install standard Vi-Tech body mounts.



Year: 2015  
 Chassis: GMC/Chevrolet Type III, 100"  
 Model: 553B

**Option Std Qty Header/Description/Data**

- DH03B000 1 1 MIRROR STAINLESS STEEL SPLASH SHIELDS**  
 Install #8 mirror stainless splash shields on the lower front face of the body just behind the cab access doors. These splash shields are to be the same height as the diamond plate front corner guards.  
 NOT AVAILABLE ON FORD "E" SERIES CHASSIS IN CONJUNCTION WITH EXTENDED CORNER GUARDS.  
 Note: Check option OL41B000 for running board light pre-punches.
- DH040000 1 1 MODULE BODY FENDERS: stainless steel**  
 Rear wheel housings shall have stainless steel flare skirts to protect the wheel house opening and side body finish.
- DH04RP00 1 1 POLISHED STAINLESS LOWER BODY RUB RAILS**  
 Polished stainless lower body rub rails, with #8 mirror finish, are to be along the bottom of the body on each side.
- DH330000 1 1 REAR DOOR HOLD OPENS, GRABBER**  
 Install chrome Cast Products "Grabber" style rear door hold opens. (NOTE: HOLD OPENS MUST BE RELOCATED IF TELESCOPIC LIGHTS ARE ORDERED)
- DL48A000 1 1 ELECTRIC DOOR LOCKS: access doors**  
 Install power activated door locks on all patient area access doors. Locks to be activated by a switch at each patient area door, and controlled with the access door locks. Locks may be overridden by a manual slide lever or by the door key. A separate lock switch will be located in the front radio console if option DL48D000 (wired to OEM locks) is not selected.
- DL48B000 0 1 ELECTRIC DOOR SWITCH: concealed**  
 Install a concealed switch on the exterior of the vehicle to operate the power door lock circuit. Doors shall be wired to unlock only on this circuit.  
 4/3/2015 Locate: Front grill area
- DL48D000 0 1 ELECTRIC DOOR LOCKS WIRED TO OEM SWITCHES**  
 The module door locks and compartment locks (if ordered) are to be wired to the chassis door lock switches.  
 4/3/2015



Year: 2015  
 Chassis: GMC/Chevrolet Type III, 100"  
 Model: 553B

Option Std Qty Header/Description/Data

DM100000 1 1 REFLECTORS:  
 All patient compartment entry doors shall have red reflectors in the lower corner.

DR220000 1 1 RUBBER MATTING IN EXTERIOR COMPARTMENTS  
 Ribbed rubber matting will be installed on the floor and shelves of all exterior compartments.

DR23A000 1 1 RUBBER COVERED WALLS IN BACKBOARD COMPARTMENT  
 The interior of the backboard compartment is to be covered with rubber matting to protect equipment stored in this area.

4/3/2015 Color: Black

**E PAINT AND STRIPING**

ED020000 0 1 CHASSIS PAINT: other color  
 Paint CHASSIS special color  
 4/3/2015 Paint Color: Match module color as specified  
 Paint Number:

ED040000 1 1 MODULE PAINT: standard white  
 Paint module standard white Sikkens #FLNA4002.  
 4/3/2015 White or Red.

ED20AA00 1 1 STRIPE: 8" Scotchlite beltline  
 Apply an 8" Scotchlite beltline stripe in the color listed below:  
 4/3/2015 Color: TBD Scotchlite

ED20PS00 1 1 PAINT PANEL: sample  
 A painted test panel shall be prepared with the following paint color and number, to confirm correct paint selection. The panel will be mailed as designated.  
 Color:  
 Paint Number:



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 Model: 553B

**Option Std Qty Header/Description/Data**

ED300000 1 1 **PIN STRIPE: 1/4" black**  
 The single color stripe as described above shall include a 1/4" black pinstripe that surrounds the entire accent stripe.

ED30C000 0 2 **PINSTRIFE: 1" SCOTCHLITE (EACH)**  
 1" Scotchlite pin striping shall be installed per the information listed below.

4/3/2015 Quantity: 2  
 Color: TBD

STANDARD LOCATION. Surround beltline stripe as specified.

**F INTERIOR CABINET DOORS, HANDLES & HARDWARE**

FE010000 1 1 **FULL HEIGHT PULL HANDLES ON SLIDING PLEXIGLAS DOORS**  
 All sliding cabinet doors to have full length pull handles.

FE01FT00 1 1 **LATCH, HINGED DOOR: Southco flush stainless steel pull style**  
 Install stainless flush mount Southco pull latches on the hinged interior cabinet doors.

FE02A000 1 1 **PLEXIGLAS COLOR: light tint**  
 All Plexiglas doors to be light tint.

FE060000 1 1 **STAINLESS STEEL COUNTER TOPS (STANDARD)**  
 Stainless steel pan formed counter tops shall be installed in the patient area.

FE08ST00 1 1 **INHALATION PANEL (STANDARD):**  
 The inhalation panel is to be fabricated from composite material and covered with Formica to match to color selected.

**G INTERIOR COLORS, UPHOLSTERY AND SEATING**



Year: 2015  
 Chassis: GMC/Chevrolet Type III, 100"  
 Model: 553B

**Option Std Qty Header/Description/Data**

**GF01LA00 0 1 INTERIOR COLOR SCHEME: BATTALION BLUE**  
 Floor: LONCOIN SAPPHIRE BLUE  
 Risers: WILSONART INDIGO  
 (option) STAINLESS  
 Walls: WILSONART NATURAL ALMOND  
 (option) DESERT SAND CG TECH  
 Cabinets: FLEECE PAINT  
 Upholstery: COBALT BLUE  
 Countertop: STAINLESS STEEL  
 (option) LG - HAZELNUT SHELL  
 Accent Stripe: WILSONART BRITTANY BLUE

4/3/2015

**GF02M000 1 1 INSIDE CABINET FINISH: paint**  
 The interior of all aluminum cabinets shall have a durable paint finish. The painted surface shall be washable and non-absorbent. See the appropriate Interior Color Scheme option for paint color information.

**GF02P000 1 1 RISERS:**  
 The interior of this vehicle is to contain no wood or wood products. The risers are to be made of reinforced structural composite board covered with Formica per the color description. Formica will not be installed on the risers if stainless steel riser options are selected.  
 Note: Riser thickness to be modified if option #PL27CP00 is ordered.

**GK12D000 0 1 EVS CHILD SAFETY SEAT WITH 3-POINT SEAT BELT**  
 Delete the standard attendant seat cushion. Install a high back bucket seat with built in child seat restraints and 3-point occupant restraint. The seat to be adjustable front to rear.

4/3/2015

**GK140000 1 1 SEAT BELTS:**  
 Install standard seat belt package for use with HOPS.  
 Note: Requires Option #IG070000 (Squad bench end restraint for use with HOPS)

**H INTERIOR CABINETRY, STREET SIDE**



Year: 2015  
 Chassis: GMC/Chevrolet Type III, 100"  
 Model: 553B

**Option Std Qty Header/Description/Data**

- HK000000 1 1 LINEN CLOSET**  
 Install a vertical storage cabinet behind the attendant seat. The upper storage area shall house the primary electrical distribution area. The lower section shall be used for miscellaneous storage. Each area shall be accessed through hinged doors. The electrical distribution area shall include a Southco key lock/latching device. The entire cabinet shall be fabricated from aluminum and shall then be painted, unless otherwise specified.
  
- HK001000 1 1 HOPS SYSTEM:**  
 The unit is to be equipped with the HOPS system.  
*Note: Deletion of the system along with the selection of option #HK01A000 requires that the credit provided under HK01B000 be deleted.*
  
- HK001B00 1 1 RADIUS STYLE CABINET TRIM**  
 Install smooth 1.5" radiused trim on all applicable interior cabinets.
  
- HK01B000 1 1 STREETSIDE WALL WITH CPR SEAT**  
 Street side wall to have CPR configuration. All cabinets over 14"H will include (1) standard adjustable shelf.  
 SEE DRAWINGS  
*Configure: street side cabinets to be 18" deep.*
  
- HK17C000 1 1 SHARPES/WASTE DISPOSAL:**  
 Install sharpes and waste disposal in a metal container recessed into the inhalation counter top. Access to the waste receptacle shall be through a spring loaded door. The neck of the sharps container shall protrude through the top surface of the receptacle. Disposal of both containers shall be accessible by raising a hinged aluminum lid.

**INTERIOR CABINETS AND SQUAD BENCH, CURB SIDE**

- IA200000 1 1 SQUAD BENCH STORAGE:**  
 Storage shall be provided under the bench cushions. The area shall run where possible under the bench. The storage pan shall be fabricated from aluminum and shall be accessed by raising the split cushions.



**Year:** 2015  
**Chassis:** GMC/Chevrolet Type III, 100"  
**Model:** 553B

Option Std Qty Header/Description/Data

- IG070110 1 1 **SQUAD BENCH END RESTRAINT FOR USE WITH HOPS**  
 Install a restraint that is 16" above the seating surface at the head end of the bench. Standard for use in conjunction with HOPPS 3-point seat belts.  
*DWG #105078*
  
- IG10A000 1 1 **BENCH HOLD OPENS: gas**  
 Install gas spring hold opens on squad bench lid.
  
- IG10Q000 1 1 **BENCH HOLD-DOWN: paddle latches (Pair)**  
 Install recessed paddle latches into the squad bench riser to retain the squad bench lids in the closed position. The latches shall be both passive and positive.
  
- IG15A000 1 1 **BENCH CUSHION EDGE TRIM:**  
 Trim bench cushion edge with protective aluminum trim, to protect horizontal edge of squad bench cushion from tears..
  
- IG15B000 1 1 **BENCH BACK CUSHION: full size**  
 Delete individual squad bench back cushions. Install full size cushion.
  
- IK18AA00 1 1 **CURBSIDE OVERHEAD CABINET: hinged doors**  
 Storage shall be provided above the squad bench. The storage shall run the full length of the squad bench and shall be accessed through hinged Plexiglas doors that are held in the open position with gas activated rods. The entire cabinet shall be fabricated from aluminum. The cabinet is to be 9" H to meet current K requirements.

**J INTERIOR CABINETS, FRONT**

- JAK03000 1 1 **FRONT WALL CABINET:**  
 The front wall cabinet shall be arranged per drawing. Additional configuration information may follow.  
*Cabinet wall finish: paint*



Year: 2015  
 Chassis: GMC/Chevrolet Type III, 100"  
 Model: 553B

**Option Std Qty Header/Description/Data**

JE040000 4 4 **FRONT WALL DOORS: Plexiglas**  
 Front cabinet wall to have hinged Plexiglas doors, and latch type as designated.  
 Type: Plexiglas  
 Latch Style: Southco

JK130000 1 1 **CAB TO MODULE WALKTHROUGH DOOR, HINGED**  
 Install a recessed hinged front cabin closeout door on the right front compartment wall.

**K MODULE INTERIOR ACCESSORIES AND TRIM**

KG02B000 2 4 **IV HANGER, CAST PRODUCTS WITH RUBBER ARM**  
 Cast products recessed IV hangers with rubber arms for attaching solution bags shall be installed in the designated locations.  
 4/3/2015 Locate: TBD

KG09B000 1 1 **CEILING GRAB RAIL: standard (2) 2ft rails or (1) 6ft rail anti-microbial**  
 Cabinet wall "A" will have (1) 6' rail over cot as standard.  
 Cabinet wall "B" will have (2) 2' rails, 1-forward and 1-to rear of CPR seat.

KG09K000 1 1 **PATIENT DOOR GRAB RAILS: angled with anti-microbial coating**  
 All patient access doors to have heavy duty angled stainless steel grab rails with smooth radius corners and flange mounting and anti-microbial coating.

KG110000 1 1 **FLOOR TRIM**  
 Trim floor with cove molding at non rolled areas of floor.

KG120000 1 1 **CABINET TRIM**  
 Trim all vertical and horizontal edges.





Year: 2015  
 Chassis: GMC/Chevrolet Type III, 100"  
 Model: 553B

**Option Std Qty Header/Description/Data**

**KG16B000 1 1 CEILING MATERIAL, PLATINUM WHITE ALUMINUM COMPOSITE**  
 The standard module ceiling material shall be platinum white aluminum composite.

**KG17A000 2 2 FIRE EXTINGUISHERS: 5lb ABC**  
 Supply five pound fire ABC extinguisher(s). Ship loose, or identify mounting location(s).  
 Locate: SHIP LOOSE

**L COT MOUNTS AND ACCESSORIES**

**LG03A000 0 1 COT MOUNT STYLE: 175-3 single position**  
 Cot mount to be single position FW 175-3 for full cabinet wall.  
 4/3/2015 Cot Model: TBD

**M LIGHTBARS FRONT AND REAR**

**MAM148F0 1 1 FRONT LIGHTBARS FOR 96" BODIES**

0 1 **LIGHT BAR: custom front**  
 mam15y00 Install special front light bar.  
 4/3/2015 Model: Whelen Liberty II WC  
 Configure:RL-RL-WL-RL-WL-WL-RL-WL-RL-RL

0 1 **LIGHT BAR MOUNT: cab roof**  
 mam20a00 Mount light bar on cab roof.  
 4/3/2015 Model: selected above

**MM ELECTRICAL EMERGENCY VISUAL WARNING SYSTEMS**



Year: 2015  
 Chassis: GMC/Chevrolet Type III, 100"  
 Model: 553B

Option Std Qty Header/Description/Data

**MM01A000 0 1 WIG WAG HEADLIGHTS:**

Install wig wag headlight flasher.

4/3/2015

**MM26B030 0 10 RED SUPER L.E.D. LIGHT, 900 SERIES**

Whelen 900 series red super L.E.D. lights shall be installed in the designated locations.

4/3/2015 Location: (2) Front Face  
 (2) Upper streetside corners  
 (2) Upper curbside corners  
 (2) Rear Face  
 (2) Rear Window Level

Lens color: Red

**MM26L030 0 1 WHITE SUPER L.E.D. KKK FRONT LIGHT, 700 SERIES**

A Whelen 700 series clear super L.E.D. light shall be installed in the front face of body.

4/3/2015

**MM26R030 0 1 AMBER SUPER L.E.D. KKK REAR LIGHT, 700 SERIES**

(1) AMBER series 700 super L.E.D. light to be mounted centered on rear face of modular body.

4/3/2015 Lens color: Red

**MM26SA30 0 1 INTERSECTION LIGHTS, SUPER L.E.D. 700 SERIES**

Whelen 700 series Intersector super L.E.D. lights shall be installed on each fender.

4/3/2015 Lens color: Red

**MM26TT00 1 1 GRILLE LIGHTS, 500 SERIES SUPER LED's TIR6**

TIR6, 500 series Super LED grille lights shall be installed.

4/3/2015 Lens color: Red

**MM27AA10 0 2 LIGHT, AMBER SUPER L.E.D., 900 SERIES**

Each Whelen amber flashing 900 series super L.E.D. series light shall be installed where designated. The lamp shall include a chrome flange housing.

4/3/2015 Locate: Rear module body at window level.

Lens color: AMBER



Year: 2015  
 Chassis: GMC/Chevrolet Type III, 100"  
 Model: 553B

Option Std Qty Header/Description/Data

**MN AUDIBLE EMERGENCY WARNING SYSTEMS**

MN35CA00 0 1 SIREN, WHELEN #295SLSA1  
 A Whelen #295SLSA1 siren shall be installed.  
 4/3/2015

MN40A000 1 1 SIREN INSTALL:  
 The siren listed above shall be supplied and mounted as defined.

MN45GC00 1 1 SPEAKERS: CAST PRODUCTS SA3804  
 Cast Products SA3804 series speakers shall be installed in the front bumper.

MN50A000 1 1 SPEAKER INSTALL: bumper  
 Speaker Selections (Bumper Installed)

**O LIGHTS**

OL09L000 0 1 KKK SIDE BODY MARKER LIGHTS, 700 SERIES L.E.D. (PAIR)  
 Install red Whelen L.E.D. 700 series turn/marker lights on each rear side of the module body. Lights provide module body night time side lighting visibility and turning signal indication.  
 4/3/2015

OL34L000 1 1 LED EXTERIOR COMPARTMENT LIGHTING  
 All exterior compartments will be lighted with LED strip lighting. A vertical strip will be installed inside both sides of each compartment. The lights shall be directed toward the back of the compartment.  
 Note: This does not include wheelwell compartments.



Year: 2015  
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 Model: 553B

Option Std Qty Header/Description/Data

**OL35D000 1 1 ICC MARKER LIGHTS**

Install standard rolled marker lights along the upper corner post front and rear.

*Note: Do not install if lightbar(s) already includes standard marker lights.*

**OL41B000 0 1 RUNNING BOARD LIGHTS, WHELEN PAR 16 L.E.D.**

Clear Whelen Par 16 round L.E.D. lights mounted in chrome flanges shall be installed in the front of the module body . Locate in the stainless steel stone guard above the running boards. The lights shall be wired to the chassis door switch and illuminate the step/running board.

*4/3/2015 REQUIRES PRE-PUNCHED STONE GUARDS DH030000 or DH03B000.*

**OM25AA00 0 2 SIDE SCENE LIGHTS, 900 SERIES, LED**

Install Whelen 900 series #9SCOENZR side scene lights.

*4/3/2015 Locate: (1) Streetside and (1) Curbside of Module. Evenly spaced between 900 LED corner flashers*

**OM25DD00 0 2 LOAD LIGHTS WHELEN 900 SERIES LED**

Rear load lights to be (2) Whelen #9SCOENZR LED lights.

*4/3/2015*

**OM30D000 0 1 TAIL LIGHTS, M6 SERIES**

Whelen M6 series brake/tail, amber arrow turn and backup lights to be installed in the selected location.

*4/3/2015 Locate: Stack on rear module body*

**P ELECTRICAL POWER GROUP**

**PAL00006 1 1 INTELLIPLIX i4G:**

Install the Intelliplex i4G electrical system. System is to include a USB port installed under the dash for ease of programming.



Year: 2015  
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 Model: 553B

**Option Std Qty Header/Description/Data**

**PAL01D00 0 1 INPOWER ELECTRONIC BATTERY SWITCH, I4G**

Install an Inpower electronic battery switch. Switch is to activate battery power through the vehicle ignition and is to include an automatic shutdown timer to deactivate battery power after the ignition is turned off.

This option is to include the LED push button power wake/timer switch.

4/3/2015 Shut down timer interval: 5 minutes

**PAL04D00 1 1 CHARGER/POWER SUPPLY: 45 AMP**

Install a 45 amp battery conditioner in the designated electrical equipment area. Conditioner to be wired to the batteries through the standard shoreline inlet.

**PAL30A00 2 2 110V INTERIOR OUTLET**

Two 110V interior outlets are provided as standard on all models. The standard locations are in the inhalation area and the wall over the squad bench. List the standard outlet locations and any deviation from the standard, plus any additional outlet locations below:

Locate: Inhalation area  
 Locate: Wall over squad bench

**PAL31C00 3 3 INTERIOR 12VDC OUTLETS: cigarette lighter type**

12 volt outlets to use cigarette lighter style connectors.

4/3/2015 Locate: Inhalation area (2)  
 Locate: Front wall cabinet

Configure: TBD

**PAL38E00 0 1 SHORELINE, KUSSMAUL SUPER AUTO EJECT, 20 AMP NON ARCING**

Install a 20 amp Kussmaul non-arcing auto ejection shoreline receptacle.

4/3/2015 Locate: Street side of module body

**PAL38IL0 0 1 SHORELINE INDICATOR:**

Install an indicator pilot light to show power to A.C. circuits and presence of activated shoreline.

4/3/2015 Locate: Above the shoreline inlet  
 Configure: LED



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 Model: 553B

Option Std Qty Header/Description/Data

- PAL40000 1 1 **EXTRA 12VDC CIRCUIT BREAKER:**  
 An extra circuit breaker shall be installed.
  
- PL10A000 1 1 **SWITCH PANEL MOUNT:**  
 Switch panel to be flush mounted in upper face of console.
  
- PL11F000 1 1 **PROGRAMMING: AUDIBLE LOW VOLTAGE ALARM**  
 Program an audible alarm to activate if the voltage drops below 11.8 volts for 120 seconds.
  
- PL11G000 1 1 **LIGHT PROGRAMMING: park brake**  
 A warning shall display on the front console readout, advising to set the Parking Brake, should the modular disconnect switch be "ON" and the transmission placed in "PARK" or "NEUTRAL". It will also advise to Disengage the Parking Brake should the vehicle be placed into gear.  
 Configure: wire alarm to activate with red flasher circuit
  
- PL19A000 1 1 **REPORT LIGHT**  
 Install a 12" Tecniq LED bar style report light.
  
- PL22C000 1 1 **STEP WELL LIGHT:**  
 Install a 10.5" LED Vista light strip in the standard location on the bench side of the step well. Light to activate with door open.
  
- PL27CA00 0 8 **PATIENT CEILING DOME LIGHTS: WHELEN LED**  
 Install Whelen 80COEHCR LED dome lights in the patient area ceiling per the locations listed below. The lights will have a high/low feature with the switch in the rear control panel.  
 4/3/2015 (A minimum of seven lights are required for lighting compliance)  
 Locate: (3) OVER COT, (3) OVER BENCH and (1) above the walkthrough.  
 (Recommended) #10008603  
 Locate: (4) Over Main Cot (favor the streetside edge of cot)  
 (4) Over the bench seat (favor the isle edge of bench)



Year: 2015  
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Option Std Qty Header/Description/Data

**Q HEATING, AIR CONDITIONING AND INTERIOR ENVIRONMENT**

**QH29C100 1 1 HEAT/AC SYSTEM G4500 CHASSIS**  
 Install a ProAir Pre-charged 12V heat/AC system below the attendant seat. Unit is to include a replaceable filter at the air intake point.

**QL43N000 1 1 NFPA COMPLIANT VENTING-CAST VENTS**  
 Install an NFPA style venting system to include a 400cfm exhaust vent along with a static vent. Install 9.5" square polished covers on both vents per drawings.

**R CAB CONSOLE AND COMMUNICATIONS**

**RJ01A000 1 1 ANTENNA COAX 1:**  
 An RG 58U coax shall be installed so that the ambulance conversion need not be disassembled.  
*Exterior Termination:*  
*Interior Termination:*

**RJ03MM00 0 1 ANTENNA: K-94 mount.**  
 Supply and install K-94 antenna base as designated. This option is less the antenna coax. An antenna coax option must be selected to be installed.  
 4/3/2015 Coax Number(s): J01

**RJ040000 1 1 RADIO CABLE PULL WIRE**  
 A standard pull wire for radio installation shall be installed from behind the driver's seat to behind the inhalation panel.

**RJ05C000 0 1 CONSOLE EXTENSION:**  
 A box for mounting radio heads and storage maps, books, or binders will be attached to the standard engine cover console. Standard box includes (3) 2.5 storage sections, and 8.5 faceplate for radio mounting.  
 4/3/2015



Year: 2015  
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**Option Std Qty Header/Description/Data**

RJ05D000 1 1 **FRONT CONSOLE**  
 A console shall be fabricated to coordinate with the interior cab color. Room shall be provided on the face of the console for installation of radio and siren controls.

RJ080000 1 1 **RADIO POWER/GROUND:**  
 Install 6 gauge cable to positive and ground studs for radio power.  
 Locate: bulkhead wall, behind driver seat  
 Configure: battery switched

**T OXYGEN AND SUCTION**

TN002000 1 1 **OXYGEN BOTTLE MOUNT, VERTICAL TRACK FOR QRM-V**  
 Vertical track for mounting of a QRM-V O2 bottle mount shall be welded on the back wall of the compartment in the right hand corner. The O2 bottle mount is adjustable for "M" or "H" size tanks.

TN01MW00 1 1 **OXYGEN BOTTLE, CYLINDER BRACKET: Zico**  
 Zico QRM-V oxygen bracket shall be installed.  
 Locate: standard location  
 Tank Size: "M"

TN030000 2 2 **OXYGEN OUTLETS, STANDARD**  
 Two oxygen outlets to be provided as standard and located in the inhalation panel unless relocated per option TN03RL00.

TN03A000 0 1 **OXYGEN OUTLET: additional**  
 Install additional oxygen outlet(s).  
 4/3/2015 Locate: Patient area ceiling over Head of main Cot.

TN04A000 1 1 **ADAPTER TYPE: Ohio Diamond II**  
 Oxygen outlets to be Ohio Diamond II.

TN050000 1 1 **FLOWMETER:**  
 Supply dial type flowmeter.





Year: 2015  
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Option Std Qty Header/Description/Data

TN060000	1	1	<p><b>OXYGEN WRENCH:</b>                  Install oxygen wrench in oxygen compartment. Mount secure so not left hanging. Mount with length of chain or cable so not removable.</p>
TN100000	1	1	<p><b>VACUUM OUTLET: inhalation wall</b>                  A single vacuum panel shall be installed in the inhalation area. The outlet shall be of the same style as the oxygen system and hooked to the onboard vacuum pump.</p>
TN11B000	1	1	<p><b>ASPIRATOR: SSCOR</b>                  Install an SSCOR aspirator. The system shall include a #22000 wall mounted regulator, and a #23002 canister holder. Plumb to the pump selected.</p>
TN12D000	1	1	<p><b>VACUUM PUMP:</b>                  Install a CAPL #D34 SE (T282) 12vdc electric suction pump.</p>
UP180000	1	1	<p><b>DOOR REFLECTORS</b>                  Install 2" x 12" strips of red Scotchlite at the top of each entry door placed horizontally.</p>
Z04	0	1	<p><b>Fuel, Tags, Etc.</b>                  Allowance for fuel, tags and administrative.</p>

# Selected Feature List 1295



*Year:* 2015  
*Chassis:* GMC/Chevrolet Type III, 100"  
*Model:* 553B

*Option    Std    Qty    Header/Description/Data*

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*Authorized Department Signature(s):* \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Highlighting Items Exceeding KKK/Minimum Requirements and to Optimize Harsh Weather Operations

*\*\*Each of the 5 Base Model ambulances offered by Horton/Greenwood in our proposal for RFP# FCAM 2015 Ambulances are in compliance with the current KKK-A-1822F Federal Specifications for Star-of-Life Ambulance and Commonwealth of Massachusetts Department of Public Health rules and regulations for ambulances*

All third party impact, roll-over, and impact testing exceeds AMD, SAE and KKK-1822-F testing requirements. Horton has conducted the following testing:

Static Load Test – Roof – 90,000lbs\*

Static Load Test - Side – 44,000lbs

Side Body Impact – 35G of Force

Squad Bench Test – 19,500lbs

Attendant Seat Test – 9,250lbs

CPR Seat Test – 7,000lbs

Cabinet Structure Test – 145,874lbs\*\*

Head of Bench Test – 145,874lbs\*\*

Litter Retention Test – 2,500lbs

\*On 10-point mounting system

\*\*Based on side crash test with 35G of force

Third Party certified HVAC system with a superior defrosting system and A/C for rehab

Sound levels in the ambulance are significantly less than what is allowed by Federal regulations (80 dba)

All base model ambulances have floor heights that are lower than required by KKK-1822F (34")

All base model ambulances have available payload capacities that exceed K-requirements

All interior, exterior and warning lighting exceeds K requirements for light output

All Horton base models exceed the K requirements for ventilation with the standard 400CFM vents.

## Body

.125 extruded body for the heaviest duty body in the industry which offers greater durability in harsh New England road conditions.

No wood products are used in the construction of a Horton ambulance. Wood products can rot and deteriorate over time and can also harbor blood borne pathogens and bacteria. Horton uses Agion anti-bacterial coatings on all doors, handrails, counters, etc.. to resist bacteria wherever possible. These are important factors, especially in the harsh New England climates.

Rolled up and sealed flooring on all Horton base models is easier for cleaning in the harsh New England climates

Aluminum tread walking surfaces exceeds minimum for firefighter safety

Roll over air bag system (Horton Occupant Protection System or HOPS) is a benefit in harsh New England climates proving safety in case of icy road conditions that could potentially cause a roll over.

## Electrical

Horton I4G multiplexed electrical system with fewer connections that are all weather tight

All LED D.O.T. cab and body lighting package

The entire warning light package is LED, enhancing durability and safety



Greenwood Emergency Vehicles, Inc--530 John Dietsch Boulevard--North Attleboro, MA 02763-1080

**MAPC-FCAM RFP #FCAM 2015 AMBULAN**

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**Year:** 2015  
**Chassis:** Ford Type I, 189" WB, 108"  
**Type:** 1  
**Model:** 603F  
**Rev I** Print Features 1297

**CATEGORIES:**

- A** Chassis
- B** Body Connection Pass Thru Type
- BH** Chassis Accessories
- BL** Chassis Electrical
- C** Conversion Model
- CB** Module Body Modifications
- D** Module Body Hardware
- E** Paint and Striping
- F** Cabinet Doors, Handles and Hardware
- G** Interior Colors
- H** Interior Cabinets, Streetside
- I** Interior Cabinets, Curbside
- J** Front Wall Cabinets
- K** Interior Accessories and Trim
- L** Cot Mount, and Patient Handling
- M** Warning Systems, Visual
- MN** Warning Systems, Audible
- O** Lights, Non Emergency
- P** Electrical Power Group
- Q** Heat, Ventilation, Air conditioning
- R** Console, Radio, and communications
- T** Oxygen and Suction
- U** Lettering and Graphics
- Z** Other

**Prepared By:**



Year: 2015  
 Chassis: Ford Type I, 189" WB, 108"  
 Model: 603F

Option Std Qty Header/Description/Data

AA000000 1 1 SPECIFICATION FOR A NEW EMERGENCY MEDICAL VEHICLE

**AB Horton Emergency Vehicles Feature List**

**AC CHASSIS**

AFF 1 1 FORD F-SERIES CHASSIS

AFF34015 0 1 CHASSIS, 2015 FORD 189" F-550 CAB/CHASSIS  
 The chassis required to complete the ambulance conversion shall be supplied by Horton.  
 4/10/2015

AJNSPIC0 1 1 CHASSIS INTERIOR COLOR SHALL BE GRAY

**B CHASSIS MODIFICATIONS, HARDWARE AND ACCESSORIES**

BH010000 1 1 DIESEL EXHAUST FLUID (DEF)  
 The fill for the DEF tank will be located in the driver's side of the body forward of the rear wheels. A lable stating "DIESEL EXHAUST FLUID (DEF)" will be installed next to the fill neck.  
 (Option is applicable to 2011 and later Ford F-series chassis)

BH02A100 1 1 STAINLESS STEEL WHEEL COVERS  
 Stainless steel wheel covers shall be installed.



Year: 2015

Chassis: Ford Type I, 189" WB, 108"

Model: 603F

**Option Std Qty Header/Description/Data**

- BH03A000 1 1 MUD FLAPS: front**  
 Install rubber mud flaps behind each front tire.
- BH03B000 1 1 MUD FLAPS: rear**  
 Install individual rear mud flaps behind each set of rear wheels.
- BH070000 1 1 REINFORCE REAR BUMPER END CAPS**  
 Reinforce end caps of rear bumper for greater impact resistance.  
*A section of 2" x 2" steel angle shall be attached to the back side of the std Horton step. (Note, this option is not available on recessed or impact steps).*
- BH08HE00 0 1 RUNNING BOARDS: EMBOSSED ALD W/STAR PUNCH**  
 Install heavy duty aluminum embossed diamond plate running boards and splash shields. Running boards are to be star punched for enhanced drain and foot grip. **INFO REQUIRED**

4/3/2015
- BH110000 1 1 REAR STEP/ BUMPER ASSEMBLY**  
 The center section of the rear step bumper shall be constructed of aluminum grip strut and be hinged to assist in patient handling.
- BH16L000 1 1 LIQUID SPRING SUSPENSION WITH DUMP FEATURE**  
 A Liquid Spring rear suspension shall be installed. The suspension system shall dump when the left rear entry door is opened. The system shall include a dump override switch. **INFO REQUIRED**

4/9/2015 DUMP SWITCH LOCATION: Inside Right rear patient entry door
- BH32OR00 1 1 SUSPENSION SWITCH: dump override**  
 A switch will be installed where specified, to override the automatic dump feature activated by the left rear patient compartment entry door.  
 Switch Locate:
- BL073000 1 1 BATTERIES, STANDARD ON F-SERIES FORD CHASSIS**  
 (2) OEM batteries shall be installed in the manufacturers under hood battery tray locations.



Year: 2015  
 Chassis: Ford Type I, 189" WB, 108"  
 Model: 603F

Option Std Qty Header/Description/Data

**BL08A000 1 1 BATTERY HEAT SHIELDS**  
 Battery heat shields will be provided for any battery located under the hood which is not protected by the OEM manufacturer.

**BL250000 0 1 ENGINE HOUR METER**  
 An engine hour meter will be installed in the driver's side of the cab radio console.

**INFO REQUIRED**

4/3/2015

**BL26B000 1 1 BACKUP ALARM RESET**  
 Backup alarm to automatically reset to on if alarm was manually canceled using the control panel alarm cut-off switch (FL25) during previous use.

**BL32A000 1 1 OEM AM/FM/CD PLAYER SHALL BE PROVIDED BY THE OEM MANUFACTURER**  
 OEM AM/FM/CD player shall be provided by the OEM manufacturer on all Horton supplied chassis.  
*Note: This option applies only to chassis supplied by Horton. Chassis supplied by either the customer or the dealer must be ordered with this feature from the chassis OEM.*

**C CONVERSIONS**

**CA594000 0 1 CONVERSION MODEL: 603F FORD F SERIES**  
 MINIMUM BODY DIMENSIONS:  
 (Exterior)  
 -Height: 92"  
 -Width: 96"  
 -Length: 167"  
 (Interior)  
 -Height: 72"  
 -Aisle: 20"  
 -Width: 20" (from edge of cot in wall position to squad bench riser)  
 -Length: 163"  
 OVERALL DIMENSIONS (Including Chassis, Module and Step):  
 -Height: 117" (to top of vent)  
 -Width: 100"  
 -Length: 301"





Year: 2015  
 Chassis: Ford Type I, 189" WB, 108"  
 Model: 603F

**Option Std Qty Header/Description/Data**

**CA594001 1 1 F603 STREETSIDE FORWARD:**

Clear Door Opening: 18.7" wide x 79.1" high  
 Actual Compartment 24.2" wide x 82.1" high x 20.3"  
 This area shall be accessed through a single outside hinged door.  
 The compartment shall house the vehicle's primary O2 cylinder. The  
 compartment shall be vented to the outside.

**0 1 DIVIDER ADJUSTABLE, VERTICAL COMPARTMENT**

dr11b000 Install an adjustable vertical divider as noted below: (Divider  
 material to match the compartment material). **INFO REQUIRED**

4/10/2015 Locate: Centered in streetside front compartment

**CA594002 1 1 F603 STREETSIDE INTERMEDIATE:**

Clear Door Opening: 51.7" wide x 38.3" high  
 Actual Dimensions: 55.5" wide x 41.5" high x 20.3"  
 This area shall be accessed through double, outside hinged doors.  
 Both doors shall have exterior door handles and latching devices.

**0 1 SHELF FOR LED LIGHTED DOUBLE DOOR COMPARTMENT**

dr091b00 A diamond plate adjustable shelf shall be installed in the area  
 listed below. **INFO REQUIRED**

4/10/2015 Locate: Centered in streetside intermediate compartment

**CA594004 1 1 F603 STREETSIDE REAR:**

Clear Door Opening: 26.0" wide x 58.3" high  
 Actual Dimensions: 30.6" wide x 61.5" high x 20.3"  
 This area shall be accessed through double, outside hinged doors.  
 Both doors shall have exterior door handles and latching devices:

**0 1 SHELF FOR LED LIGHTED VERTICAL COMPARTMENT**

dr081000 A diamond plate adjustable shelf shall be installed in the following  
 location.

4/10/2015 Locate: Centered in streetside rear compartment

**CA594005 1 1 F603 CURBSIDE REAR:**

Clear Door Opening: 19.0" wide x 79.1" high  
 Actual Dimensions: 23.7" wide x 82.1" high x 20.3"  
 This area shall be accessed through a single outside hinged door

**0 2 DIVIDER ADJUSTABLE, VERTICAL COMPARTMENT**

dr11b000 Install an adjustable vertical divider as noted below: (Divider  
 material to match the compartment material). **INFO REQUIRED**

4/10/2015 Locate: Evenly spaced in curbside rear compartment



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**Option Std Qty Header/Description/Data**

**CA594006 1 1 F603 CURBSIDE FORWARD:**

Clear Door Opening: 22.1" wide x 79.1" high  
 Actual Dimensions: 27.2" wide x 82.1" high x 28.5"

This area shall be accessed through a single outside hinged door and from an opening located on the curb side forward wall. The area shall be primarily used for storage of customer furnished jump kits.

**CAB93AF0 0 1 KKK-A-1822F CERTIFICATION LABEL**

The vehicle shall have weight/payload, electrical load and KKK-A-1822F certification stickers installed in the O2 compartment.

4/10/2015

**CB BODY MODIFICATIONS/OPTIONS**

**CB06SW00 0 1 DOUBLE STEP CURBSIDE ENTRY, 3"**

The curbside skirt, forward of the rear wheel well shall be dropped 3 inches. Two integral ALD steps within the side patient door step well shall be available upon opening the side door for easier and lower access to the patient compartment.

**INFO REQUIRED**

4/9/2015

**CB09SA00 1 1 PATIENT AREA SOUND PROOFING/ACOUSTIC ENHANCEMENT PACKAGE**

Install standard sound control package.

**D MODULE BODY HARDWARE**

**DG050000 1 1 WINDOWS, REAR MODULE BODY ENTRY DOORS**

The rear module entry doors shall have solid windows. The side entry door shall have a sliding window.

**DG060000 1 1 WINDOW, SLIDING FOR SIDE ENTRY DOOR**

The side entry door shall have a sliding window.



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**Option Std Qty Header/Description/Data**

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- DG06A000 1 1 **WINDOW, CURBSIDE OF BODY ABOVE SQUAD BENCH**  
 A fixed window shall be installed on the curbside of the body above the squad bench.
  
- DG080000 1 1 **EMERGENCY DOOR RELEASE MECHANISM**  
 Install standard emergency release knobs on top and bottom of rear module entrance doors.
  
- DH000000 1 1 **Vi-Tech body mounts**  
 Install standard Vi-Tech body mounts.
  
- DH03B000 1 1 **MIRROR STAINLESS STEEL SPLASH SHIELDS**  
 Install #8 mirror stainless splash shields on the lower front face of the body just behind the cab access doors. These splash shields are to be the same height as the diamond plate front corner guards.  
*NOT AVAILABLE ON FORD "E" SERIES CHASSIS IN CONJUNCTION WITH EXTENDED CORNER GUARDS.*  
  
 Note: Check option OL41B000 for running board light pre-punches.
  
- DH040000 1 1 **MODULE BODY FENDERS: stainless steel**  
 Rear wheel housings shall have stainless steel flare skirts to protect the wheel house opening and side body finish.
  
- DH04RP00 1 1 **POLISHED STAINLESS LOWER BODY RUB RAILS**  
 Polished stainless lower body rub rails, with #8 mirror finish, are to be along the bottom of the body on each side.
  
- DH330000 1 1 **REAR DOOR HOLD OPENS, GRABBER**  
 Install chrome Cast Products "Grabber" style rear door hold opens.  
 (NOTE: HOLD OPENS MUST BE RELOCATED IF TELESCOPIC LIGHTS ARE ORDERED)
  
- DL48A000 1 1 **ELECTRIC DOOR LOCKS: access doors**  
 Install power activated door locks on all patient area access doors. Locks to be activated by a switch at each patient area door, and controlled with the access door locks. Locks may be overridden by a manual slide lever or by the door key. A separate lock switch will be located in the front radio console if option DL48D000 (wired to OEM locks) is not selected.



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**Option Std Qty Header/Description/Data**

- DL48B000 0 1 **ELECTRIC DOOR SWITCH: concealed**  
 Install a concealed switch on the exterior of the vehicle to operate the power door lock circuit. Doors shall be wired to unlock only on this circuit. **INFO REQUIRED**  
 4/3/2015 *Locate: Front grill area*
  
- DL48D000 0 1 **ELECTRIC DOOR LOCKS WIRED TO OEM SWITCHES**  
 The module door locks and compartment locks (if ordered) are to be wired to the chassis door lock switches. **INFO REQUIRED**  
 4/3/2015
  
- DM100000 1 1 **REFLECTORS:**  
 All patient compartment entry doors shall have red reflectors in the lower corner.
  
- DR220000 1 1 **RUBBER MATTING IN EXTERIOR COMPARTMENTS**  
 Ribbed rubber matting will be installed on the floor and shelves of all exterior compartments.
  
- DR23A000 1 1 **RUBBER COVERED WALLS IN BACKBOARD COMPARTMENT**  
 The interior of the backboard compartment is to be covered with rubber matting to protect equipment stored in this area. **INFO REQUIRED**  
 4/3/2015 *Color: Black*

**E PAINT AND STRIPING**

- ED020000 0 1 **CHASSIS PAINT: other color**  
 Paint CHASSIS special color **INFO REQUIRED**  
 4/3/2015 *Paint Color: Match module color as specified*  
 Paint Number:
  
- ED040000 1 1 **MODULE PAINT: standard white**  
 Paint module standard white Sikkens #FLNA4002. **INFO REQUIRED**  
 4/3/2015 *White or Red.*



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**Option Std Qty Header/Description/Data**

- ED20AA00 1 1 **STRIPE: 8" Scotchlite beltline**  
 Apply an 8" Scotchlite beltline stripe in the color listed below: **INFO REQUIRED**  
 4/3/2015 Color: TBD Scotchlite
  
- ED20PS00 1 1 **PAINT PANEL: sample**  
 A painted test panel shall be prepared with the following paint color and number, to confirm correct paint selection. The panel will be mailed as designated.  
 Color:  
 Paint Number:
  
- ED300000 1 1 **PIN STRIPE: 1/4" black**  
 The single color stripe as described above shall include a 1/4" black pinstripe that surrounds the entire accent stripe.
  
- ED30C000 0 2 **PINSTRIFE: 1" SCOTCHLITE (EACH)**  
 1" Scotchlite pin striping shall be installed per the information listed below. **INFO REQUIRED**  
 4/3/2015 Quantity: 2  
 Color: TBD  
 STANDARD LOCATION. Surround beltline stripe as specified.

**F INTERIOR CABINET DOORS, HANDLES & HARDWARE**

- FE010000 1 1 **FULL HEIGHT PULL HANDLES ON SLIDING PLEXIGLAS DOORS**  
 All sliding cabinet doors to have full length pull handles.
  
- FE01FT00 1 1 **LATCH, HINGED DOOR: Southco flush stainless steel pull style**  
 Install stainless flush mount Southco pull latches on the hinged interior cabinet doors.
  
- FE02A000 1 1 **PLEXIGLAS COLOR: light tint**  
 All Plexiglas doors to be light tint.



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Option Std Qty Header/Description/Data

FE060000 1 1 STAINLESS STEEL COUNTER TOPS (STANDARD)  
 Stainless steel pan formed counter tops shall be installed in the patient area.

FE08ST00 1 1 INHALATION PANEL (STANDARD):  
 The inhalation panel is to be fabricated from composite material and covered with Formica to match to color selected.

**G INTERIOR COLORS, UPHOLSTERY AND SEATING**

GF01LA00 0 1 INTERIOR COLOR SCHEME: BATTALION BLUE  
 Floor: LONCOIN SAPPHIRE BLUE  
 Risers: WILSONART INDIGO (option) STAINLESS  
 Walls: WILSONART NATURAL ALMOND (option) DESERT SAND CG TECH  
 Cabinets: FLEECE PAINT  
 Upholstery: COBALT BLUE  
 Countertop: STAINLESS STEEL (option) LG - HAZELNUT SHELL  
 Accent Stripe: WILSONART BRITTANY BLUE

**INFO REQUIRED**

4/3/2015

GF02M000 1 1 INSIDE CABINET FINISH: paint  
 The interior of all aluminum cabinets shall have a durable paint finish. The painted surface shall be washable and non-absorbent. See the appropriate Interior Color Scheme option for paint color information.

GF02P000 1 1 RISERS:  
 The interior of this vehicle is to contain no wood or wood products. The risers are to be made of reinforced structural composite board covered with Formica per the color description. Formica will not be installed on the risers if stainless steel riser options are selected.

Note: Riser thickness to be modified if option #PL27CP00 is ordered.



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Option Std Qty Header/Description/Data

GK12D000 0 1 EVS CHILD SAFETY SEAT WITH 3-POINT SEAT BELT  
 Delete the standard attendant seat cushion. Install a high back bucket seat with built in child seat restraints and 3-point occupant restraint. The seat to be adjustable front to rear. **INFO REQUIRED**  
 4/3/2015

GK140000 1 1 SEAT BELTS:  
 Install standard seat belt package for use with HOPS.  
 Note: Requires Option #IG070000 (Squad bench end restraint for use with HOPS)

**H INTERIOR CABINETRY, STREET SIDE**

HK000000 1 1 LINEN CLOSET  
 Install a vertical storage cabinet behind the attendant seat. The upper storage area shall house the primary electrical distribution area. The lower section shall be used for miscellaneous storage. Each area shall be accessed through hinged doors. The electrical distribution area shall include a Southco key lock/latching device. The entire cabinet shall be fabricated from aluminum and shall then be painted, unless otherwise specified.

HK001000 1 1 HOPS SYSTEM:  
 The unit is to be equipped with the HOPS system.  
 Note: Deletion of the system along with the selection of option #HK01A000 requires that the credit provided under HK01B000 be deleted.

HK001B00 1 1 RADIUS STYLE CABINET TRIM  
 Install smooth 1.5" radiused trim on all applicable interior cabinets.

HK01B000 1 1 STREETSIDE WALL WITH CPR SEAT  
 Street side wall to have CPR configuration. All cabinets over 14"H will include (1) standard adjustable shelf.  
 SEE DRAWINGS  
 Configure: street side cabinets to be 18" deep.



**Year:** 2015  
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**Model:** 603F

Option Std Qty Header/Description/Data

HK17C000 0 1 **SHARPES/WASTE DISPOSAL:**  
 Install sharpes and waste disposal in a metal container recessed into the inhalation counter top. Access to the waste receptacle shall be through a spring loaded door. The neck of the sharps container shall protrude through the top surface of the receptacle. Disposal of both containers shall be accessible by raising a hinged aluminum lid.

HK17D000 1 1 **SHARPES/WASTE DISPOSAL:**  
 Install sharpes and waste disposal in a metal container recessed into the inhalation counter top. Access to the waste receptacle shall be through a spring loaded door. The neck of the sharps container shall protrude through the top surface of the receptacle. Disposal of both containers shall be accessible by raising a hinged aluminum lid.

**INTERIOR CABINETS AND SQUAD BENCH, CURB SIDE**

IA200000 1 1 **SQUAD BENCH STORAGE:**  
 Storage shall be provided under the bench cushions. The area shall run where possible under the bench. The storage pan shall be fabricated from aluminum and shall be accessed by raising the split cushions.

IG070110 1 1 **SQUAD BENCH END RESTRAINT FOR USE WITH HOPS**  
 Install a restraint that is 16" above the seating surface at the head end of the bench. Standard for use in conjunction with HOPPS 3-point seat belts.  
 DWG #105078

IG10A000 1 1 **BENCH HOLD OPENS: gas**  
 Install gas spring hold opens on squad bench lid.

IG10Q000 1 1 **BENCH HOLD-DOWN: paddle latches (Pair)**  
 Install recessed paddle latches into the squad bench riser to retain the squad bench lids in the closed position. The latches shall be both passive and positive.





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**Option Std Qty Header/Description/Data**

- IG15A000 1 1 **BENCH CUSHION EDGE TRIM:**  
 Trim bench cushion edge with protective aluminum trim, to protect horizontal edge of squad bench cushion from tears..
- IG15B000 1 1 **BENCH BACK CUSHION: full size**  
 Delete individual squad bench back cushions. Install full size cushion.
- IK18AA00 1 1 **CURBSIDE OVERHEAD CABINET: hinged doors**  
 Storage shall be provided above the squad bench. The storage shall run the full length of the squad bench and shall be accessed through hinged Plexiglas doors that are held in the open position with gas activated rods. The entire cabinet shall be fabricated from aluminum. The cabinet is to be 9" H to meet current K requirements.

**J INTERIOR CABINETS, FRONT**

- JE040000 4 4 **FRONT WALL DOORS: Plexiglas**  
 Front cabinet wall to have hinged Plexiglas doors, and latch type as designated.  
 Type: Plexiglas  
 Latch Style: Southco
- JK13A100 1 1 **CAB TO MODULE ACCESS DOOR**  
 A hinged door shall be recessed into the side of the right front cabinet. This door shall close off the crawl through access to the cab when in the closed position. **INFO REQUIRED**  
 4/9/2015 This option cannot be used for credit in a non crawl through vehicle.

**K MODULE INTERIOR ACCESSORIES AND TRIM**

- KG02B000 2 4 **IV HANGER, CAST PRODUCTS WITH RUBBER ARM**  
 Cast products recessed IV hangers with rubber arms for attaching solution bags shall be installed in the designated locations. **INFO REQUIRED**  
 4/3/2015 Locate: TBD



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Option Std Qty Header/Description/Data

- KG09B000 1 1 CEILING GRAB RAIL: standard (2) 2ft rails or (1) 6ft rail anti-microbial**  
 Cabinet wall "A" will have (1) 6' rail over cot as standard.  
 Cabinet wall "B" will have (2) 2' rails, 1-forward and 1-to rear of CPR seat.
- KG09K000 1 1 PATIENT DOOR GRAB RAILS: angled with anti-microbial coating**  
 All patient access doors to have heavy duty angled stainless steel grab rails with smooth radius corners and flange mounting and anti-microbial coating.
- KG110000 1 1 FLOOR TRIM**  
 Trim floor with cove molding at non rolled areas of floor.
- KG120000 1 1 CABINET TRIM**  
 Trim all vertical and horizontal edges.
- KG16B000 1 1 CEILING MATERIAL, PLATINUM WHITE ALUMINUM COMPOSITE**  
 The standard module ceiling material shall be platinum white aluminum composite.
- KG17A000 2 2 FIRE EXTINGUISHERS: 5lb ABC**  
 Supply five pound fire ABC extinguisher(s). Ship loose, or identify mounting location(s).  
 Locate: SHIP LOOSE

**L COT MOUNTS AND ACCESSORIES**

- LG03A000 0 1 COT MOUNT STYLE: 175-3 single position**  
 Cot mount to be single position FW 175-3 for full cabinet wall.

**INFO REQUIRED**

4/3/2015 Cot Model: TBD

**M LIGHTBARS FRONT AND REAR**



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 Model: 603F

Option Std Qty Header/Description/Data

MAM148F0 1 1 FRONT LIGHTBARS FOR 96" BODIES

0 1 LIGHT BAR: custom front  
 mam15y00 Install special front light bar.  
 4/3/2015 Model: Whelen Liberty II WC  
 Configure:RL-RL-WL-RL-WL-WL-RL-WL-RL-RL

0 1 LIGHT BAR MOUNT: cab roof  
 mam20a00 Mount light bar on cab roof.  
 4/3/2015 Model: selected above

**MM ELECTRICAL EMERGENCY VISUAL WARNING SYSTEMS**

MM01A000 0 1 WIG WAG HEADLIGHTS:  
 Install wig wag headlight flasher. **INFO REQUIRED**  
 4/3/2015

MM26B030 0 10 RED SUPER L.E.D. LIGHT, 900 SERIES **INFO REQUIRED**  
 Whelen 900 series red super L.E.D. lights shall be installed in the designated locations.  
 4/3/2015 Location: (2) Front Face  
 (2) Upper streetside corners  
 (2) Upper curbside corners  
 (2) Rear Face  
 (2) Rear Window Level  
 Lens color: Red

MM26L030 0 1 WHITE SUPER L.E.D. KKK FRONT LIGHT, 700 SERIES **INFO REQUIRED**  
 A Whelen 700 series clear super L.E.D. light shall be installed in the front face of body.  
 4/3/2015



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 Model: 603F

Option Std Qty Header/Description/Data

- MM26R030 0 1 AMBER SUPER L.E.D. KKK REAR LIGHT, 700 SERIES  
 (1) AMBER series 700 super L.E.D. light to be mounted centered on rear face of modular body. **INFO REQUIRED**  
 4/3/2015 Lens color:
  
- MM26SA30 0 1 INTERSECTION LIGHTS, SUPER L.E.D. 700 SERIES  
 Whelen 700 series Intersector super L.E.D. lights shall be installed on each fender. **INFO REQUIRED**  
 4/3/2015 Lens color: Red
  
- MM26TT00 1 1 GRILLE LIGHTS, 500 SERIES SUPER LED's TIR6  
 TIR6, 500 series Super LED grille lights shall be installed. **INFO REQUIRED**  
 4/3/2015 Lens color: Red
  
- MM26TT20 1 1 GRILLE LIGHT HOUSINGS FOR 500 SERIES TIR6 LED GRILLE LIGHTS  
 LH52611-1 grille light housings will be installed on the cross member of the grille for mounting of 500 series Super LED, TIR6 grille lights.  
 For use with current model Ford F-Series
  
- MM27AA10 0 2 LIGHT, AMBER SUPER L.E.D., 900 SERIES  
 Each Whelen amber flashing 900 series super L.E.D. series light shall be installed where designated. The lamp shall include a chrome flange housing. **INFO REQUIRED**  
 4/3/2015 Locate: Rear module body at window level.  
 Lens color: AMBER

**MN AUDIBLE EMERGENCY WARNING SYSTEMS**

- MN35CA00 0 1 SIREN, WHELEN #295SLSA1  
 A Whelen #295SLSA1 siren shall be installed. **INFO REQUIRED**  
 4/3/2015
  
- MN40A000 1 1 SIREN INSTALL:  
 The siren listed above shall be supplied and mounted as defined.



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Option Std Qty Header/Description/Data

MN45DH00 1 1 **SIREN SPEAKERS: C.P. SAD3806 & SAP3806 RECESSED IN BUMPER**  
 Cast Products #SAD3806 & SAP3806 siren speakers shall be recess mounted into the ends of the chassis bumper.  
 For use with current model F-Series chassis.

MN50A000 1 1 **SPEAKER INSTALL: bumper**  
 Speaker Selections (Bumper Installed)

**0 LIGHTS**

OL09L000 0 1 **KKK SIDE BODY MARKER LIGHTS, 700 SERIES L.E.D. (PAIR)**  
 Install red Whelen L.E.D. 700 series turn/marker lights on each rear side of the module body. Lights provide module body night time side lighting visibility and turning signal indication. **INFO REQUIRED**  
 4/3/2015

OL34L000 1 1 **LED EXTERIOR COMPARTMENT LIGHTING**  
 All exterior compartments will be lighted with LED strip lighting. A vertical strip will be installed inside both sides of each compartment. The lights shall be directed toward the back of the compartment.  
 Note: This does not include wheelwell compartments.

OL35D000 1 1 **ICC MARKER LIGHTS**  
 Install standard rolled marker lights along the upper corner post front and rear.  
 Note: Do not install if lightbar(s) already includes standard marker lights.

OL41B000 0 1 **RUNNING BOARD LIGHTS, WHELEN PAR 16 L.E.D.**  
 Clear Whelen Par 16 round L.E.D. lights mounted in chrome flanges shall be installed in the front of the module body. Locate in the stainless steel stone guard above the running boards. The lights shall be wired to the chassis door switch and illuminate the step/running board. **INFO REQUIRED**  
 4/3/2015 REQUIRES PRE-PUNCHED STONE GUARDS DH030000 or DH03B000.



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**Option Std Qty Header/Description/Data**

**OM25AA00 0 2 SIDE SCENE LIGHTS, 900 SERIES, LED**  
 Install Whelen 900 series #9SCOENZR side scene lights. **INFO REQUIRED**

4/3/2015 *Locate: (1) Streetside and (1) Curbside of Module. Evenly spaced between 900 LED corner flashers*

**OM25DD00 0 2 LOAD LIGHTS WHELEN 900 SERIES LED**  
 Rear load lights to be (2) Whelen #9SCOENZR LED lights. **INFO REQUIRED**

4/3/2015

**OM30D000 0 1 TAIL LIGHTS, M6 SERIES**  
 Whelen M6 series brake/tail, amber arrow turn and backup lights to be installed in the selected location. **INFO REQUIRED**

4/3/2015 *Locate: Stack on rear module body*

**P ELECTRICAL POWER GROUP**

**PAL00006 1 1 INTELLIPLX i4G:**  
 Install the Intelliplex i4G electrical system. System is to include a USB port installed under the dash for ease of programming.

**PAL01D00 0 1 INPOWER ELECTRONIC BATTERY SWITCH, I4G**  
 Install an Inpower electronic battery switch. Switch is to activate battery power through the vehicle ignition and is to include an automatic shutdown timer to deactivate battery power after the ignition is turned off. **INFO REQUIRED**

This option is to include the LED push button power wake/timer switch.

4/3/2015 *Shut down timer interval: 5 minutes*

**PAL04D00 1 1 CHARGER/POWER SUPPLY: 45 AMP**  
 Install a 45 amp battery conditioner in the designated electrical equipment area. Conditioner to be wired to the batteries through the standard shoreline inlet.



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Option Std Qty Header/Description/Data

**PAL30A00 2 2 110V INTERIOR OUTLET**

Two 110V interior outlets are provided as standard on all models. The standard locations are in the inhalation area and the wall over the squad bench. List the standard outlet locations and any deviation from the standard, plus any additional outlet locations below:

Locate: Inhalation area  
 Locate: Wall over squad bench

**PAL31C00 3 3 INTERIOR 12VDC OUTLETS: cigarette lighter type**

12 volt outlets to use cigarette lighter style connectors.

**INFO REQUIRED**

4/3/2015 Locate: Inhalation area (2)  
 Locate: Front wall cabinet

Configure: TBD

**PAL38E00 0 1 SHORELINE, KUSSMAUL SUPER AUTO EJECT, 20 AMP NON ARCING**

Install a 20 amp Kussmaul non-arcing auto ejection shoreline receptacle.

**INFO REQUIRED**

4/3/2015 Locate: Street side of module body

**PAL38I0 0 1 SHORELINE INDICATOR:**

Install an indicator pilot light to show power to A.C. circuits and presence of activated shoreline.

**INFO REQUIRED**

4/3/2015 Locate: Above the shoreline inlet  
 Configure: LED

**PAL40000 1 1 EXTRA 12VDC CIRCUIT BREAKER:**

An extra circuit breaker shall be installed.

**PL10A000 1 1 SWITCH PANEL MOUNT:**

Switch panel to be flush mounted in upper face of console.

**PL11F000 1 1 PROGRAMMING: AUDIBLE LOW VOLTAGE ALARM**

Program an audible alarm to activate if the voltage drops below 11.8 volts for 120 seconds.



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**Option Std Qty Header/Description/Data**

**PL11G000 1 1 LIGHT PROGRAMMING: park brake**  
 A warning shall display on the front console readout, advising to set the Parking Brake, should the modular disconnect switch be "ON" and the transmission placed in "PARK" or "NEUTRAL". It will also advise to Disengage the Parking Brake should the vehicle be placed into gear.  
 Configure: wire alarm to activate with red flasher circuit

**PL19A000 1 1 REPORT LIGHT**  
 Install a 12" Tecniq LED bar style report light.

**PL22C000 1 1 STEP WELL LIGHT:**  
 Install a 10.5" LED Vista light strip in the standard location on the bench side of the step well. Light to activate with door open.

**PL27CA00 0 8 PATIENT CEILING DOME LIGHTS: WHELEN LED**  
 Install Whelen 80COEHCR LED dome lights in the patient area ceiling per the locations listed below. The lights will have a high/low feature with the switch in the rear control panel. **INFO REQUIRED**  
 4/3/2015 (A minimum of seven lights are required for lighting compliance)  
 Locate: (3) OVER COT, (3) OVER BENCH and (1) above the walkthrough.  
 (Recommended) #10008603  
 Locate: (4) Over Main Cot (favor the streetside edge of cot)  
 (4) Over the bench seat (favor the isle edge of bench)

**Q HEATING, AIR CONDITIONING AND INTERIOR ENVIRONMENT**

**QH29F100 1 1 HEAT/AC SYSTEM FORD F SERIES CHASSIS**  
 Install a ProAir 12V heat/AC system below the attendant seat. Unit is to include a replaceable filter at the air intake point.

**QH29F500 1 1 RECEIVER/DRYER KIT, ALL FORD F-SERIES CHASSIS**  
 Receiver/dryer kit #63 000 744 w/pressure switch shall be installed in the air conditioning system.





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Option Std Qty Header/Description/Data

QL43N000 1 1 NFPA COMPLIANT VENTING-CAST VENTS  
 Install an NFPA style venting system to include a 400cfm exhaust vent along with a static vent. Install 9.5" square polished covers on both vents per drawings.

**R CAB CONSOLE AND COMMUNICATIONS**

RJ01A000 1 1 ANTENNA COAX 1:  
 An RG 58U coax shall be installed so that the ambulance conversion need not be disassembled. **INFO REQUIRED**  
 4/10/2015 Exterior Termination: To be determined  
 Interior Termination: To be determined

RJ03MM00 0 1 ANTENNA: K-94 mount.  
 Supply and install K-94 antenna base as designated. This option is less the antenna coax. An antenna coax option must be selected to be installed. **INFO REQUIRED**  
 4/3/2015 Coax Number(s): J01

RJ040000 1 1 RADIO CABLE PULL WIRE  
 A standard pull wire for radio installation shall be installed from behind the driver's seat to behind the inhalation panel.

RJ05B000 1 1 FRONT CONSOLE:  
 A console shall be fabricated to coordinate with the interior cab color. Room shall be provided on the face of the console for installation of radio and siren controls.

RJ05C000 0 1 CONSOLE EXTENSION:  
 A box for mounting radio heads and storage maps, books, or binders will be attached to the standard engine cover console. Standard box includes (3) 2.5 storage sections, and 8.5 faceplate for radio mounting. **INFO REQUIRED**  
 4/3/2015

RJ080000 1 1 RADIO POWER/GROUND:  
 Install 6 gauge cable to positive and ground studs for radio power.  
 Locate: bulkhead wall, behind driver seat  
 Configure: battery switched



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**Option Std Qty Header/Description/Data**

**T OXYGEN AND SUCTION**

TN002000 1 1 **OXYGEN BOTTLE MOUNT, VERTICAL TRACK FOR QRM-V**  
 Vertical track for mounting of a QRM-V O2 bottle mount shall be welded on the back wall of the compartment in the right hand corner. The O2 bottle mount is adjustable for "M" or "H" size tanks.

TN01MW00 1 1 **OXYGEN BOTTLE, CYLINDER BRACKET: Zico**  
 Zico QRM-V oxygen bracket shall be installed.  
 Locate: standard location  
 Tank Size: "M"

TN030000 2 2 **OXYGEN OUTLETS, STANDARD**  
 Two oxygen outlets to be provided as standard and located in the inhalation panel unless relocated per option TN03RL00.

TN03A000 0 1 **OXYGEN OUTLET: additional**  
 Install additional oxygen outlet(s).

**INFO REQUIRED**

4/3/2015 Locate: Patient area ceiling over Head of main Cot.

TN04A000 1 1 **ADAPTER TYPE: Ohio Diamond II**  
 Oxygen outlets to be Ohio Diamond II.

TN050000 1 1 **FLOWMETER:**  
 Supply dial type flowmeter.

TN060000 1 1 **OXYGEN WRENCH:**  
 Install oxygen wrench in oxygen compartment. Mount secure so not left hanging. Mount with length of chain or cable so not removable.

TN100000 1 1 **VACUUM OUTLET: inhalation wall**  
 A single vacuum panel shall be installed in the inhalation area. The outlet shall be of the same style as the oxygen system and hooked to the onboard vacuum pump.



Year: 2015

Chassis: Ford Type I, 189" WB, 108"

Model: 603F

Option Std Qty Header/Description/Data

TN11B000 1 1 ASPIRATOR: SSCOR  
Install an SSCOR aspirator. The system shall include a #22000 wall mounted regulator, and a #23002 canister holder. Plumb to the pump selected.

TN12D000 1 1 VACUUM PUMP:  
Install a CAPL #D34 SE (T282) 12vdc electric suction pump.

UP180000 1 1 DOOR REFLECTORS  
Install 2" x 12" strips of red Scotchlite at the top of each entry door placed horizontally.

Z04 0 1 Fuel, Tags, Etc.  
Allowance for fuel, tags and administrative.

Authorized Department Signature(s): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Highlighting Items Exceeding KKK/Minimum Requirements and to Optimize Harsh Weather Operations

*\*\*Each of the 5 Base Model ambulances offered by Horton/Greenwood in our proposal for RFP# FCAM 2015 Ambulances are in compliance with the current KKK-A-1822F Federal Specifications for Star-of-Life Ambulance and Commonwealth of Massachusetts Department of Public Health rules and regulations for ambulances*

All third party impact, roll-over, and impact testing exceeds AMD, SAE and KKK-1822-F testing requirements. Horton has conducted the following testing:

Static Load Test – Roof – 90,000lbs\*

Static Load Test - Side – 44,000lbs

Side Body Impact – 35G of Force

Squad Bench Test – 19,500lbs

Attendant Seat Test – 9,250lbs

CPR Seat Test – 7,000lbs

Cabinet Structure Test – 145,874lbs\*\*

Head of Bench Test – 145,874lbs\*\*

Litter Retention Test – 2,500lbs

\*On 10-point mounting system

\*\*Based on side crash test with 35G of force

Third Party certified HVAC system with a superior defrosting system and A/C for rehab

Sound levels in the ambulance are significantly less than what is allowed by Federal regulations (80 dba)

All base model ambulances have floor heights that are lower than required by KKK-1822F (34")

All base model ambulances have available payload capacities that exceed K-requirements

All interior, exterior and warning lighting exceeds K requirements for light output

All Horton base models exceed the K requirements for ventilation with the standard 400CFM vents.

## Body

.125 extruded body for the heaviest duty body in the industry which offers greater durability in harsh New England road conditions.

No wood products are used in the construction of a Horton ambulance. Wood products can rot and deteriorate over time and can also harbor blood borne pathogens and bacteria. Horton uses Agion anti-bacterial coatings on all doors, handrails, counters, etc.. to resist bacteria wherever possible. These are important factors, especially in the harsh New England climates.

Rolled up and sealed flooring on all Horton base models is easier for cleaning in the harsh New England climates

Aluminum tread walking surfaces exceeds minimum for firefighter safety

Roll over air bag system (Horton Occupant Protection System or HOPS) is a benefit in harsh New England climates proving safety in case of icy road conditions that could potentially cause a roll over.

## Electrical

Horton I4G multiplexed electrical system with fewer connections that are all weather tight

All LED D.O.T. cab and body lighting package

The entire warning light package is LED, enhancing durability and safety



Greenwood Emergency Vehicles, Inc--530 John Dietsch Boulevard--North Attleboro, MA 02763-1080

**MAPC-FCAM RFP #FCAM 2015 AMBULAN**

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<i>Year:</i>	2015	
<i>Chassis:</i>	Terrastar 108"	
<i>Type:</i>	MED	
<i>Model:</i>	623	
<i>Rev 1</i>	Print Features	1298

**CATEGORIES:**

- A Chassis*
- B Body Connection Pass Thru Type*
- BH Chassis Accessories*
- BL Chassis Electrical*
- C Conversion Model*
- CB Module Body Modifications*
- D Module Body Hardware*
- E Paint and Striping*
- F Cabinet Doors, Handles and Hardware*
- G Interior Colors*
- H Interior Cabinets, Streetside*
- I Interior Cabinets, Curbside*
- J Front Wall Cabinets*
- K Interior Accessories and Trim*
- L Cot Mount, and Patient Handling*
- M Warning Systems, Visual*
- MN Warning Systems, Audible*
- O Lights, Non Emergency*
- P Electrical Power Group*
- Q Heat, Ventilation, Air conditioning*
- R Console, Radio, and communications*
- T Oxygen and Suction*
- U Lettering and Graphics*
- Z Other*

*Prepared By:*



Year: 2015  
Chassis: Terrastar 108"  
Model: 623

Option Std Qty Header/Description/Data

AA000000 1 1 SPECIFICATION FOR A NEW EMERGENCY MEDICAL VEHICLE

**AB Horton Emergency Vehicles Feature List**

**AC CHASSIS**

**AI NAVISTAR CHASSIS**

AIN22015 0 1 CHASSIS, 2015 Terrastar, 108" C/A  
The chassis required to complete the ambulance conversion shall be supplied by Horton.

4/10/2015  
Reference quote #: \_\_\_\_\_  
Horsepower: 300

ba350000 0 1 WALK THROUGH CHASSIS MODIFICATION FOR NAVISTAR  
Type 1 Navistar chassis to be modified to provide walk through access to the patient area.

4/10/2015

AJNSPIC0 1 1 CHASSIS INTERIOR COLOR SHALL BE GRAY

**B CHASSIS MODIFICATIONS, HARDWARE AND ACCESSORIES**



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

**Option Std Qty Header/Description/Data**

- BH02F200 1 1 **HUB & LUG NUT COVERS, ABS FOR TERRASTAR 19.5"**  
 Install Chrome plated ABS style hub and lug nut covers on all four outside wheels.
  
- BH02H000 1 1 **TIRE SIZE, 19.5", MEDIUM DUTY:**  
 This vehicle is specified to have 19.5" tires.
  
- BH03A000 1 1 **MUD FLAPS: front**  
 Install rubber mud flaps behind each front tire.
  
- BH03B000 1 1 **MUD FLAPS: rear**  
 Install individual rear mud flaps behind each set of rear wheels.
  
- BH040000 1 1 **CHASSIS IS EQUIPPED WITH HORIZONTAL EXHAUST**  
 The chassis specified above is to include a horizontal exhaust.  
*The exhaust will exit on the drivers side of the vehicle unles otherwise noted.*
  
- BH070000 1 1 **REINFORCE REAR BUMPER END CAPS**  
 Reinforce end caps of rear bumper for greater impact resistance.  
*A section of 2" x 2" steel angle shall be attached to the back side of the std Horton step. (Note, this option is not available on recessed or impact steps).*
  
- BH08DD00 0 1 **RUNNING BOARDS, DIAMOND PLATE W/ UNDERCAB CLOSEOUT, FOR TERRASTAR**  
 Diamond plate running boards are to be installed on the chassis. Fabricate with star punched pattern. Boards are to include a diamondplate closeout beneath the cab in place of the OEM plastic closeout.
  
- 4/10/2015
  
- BH110000 1 1 **REAR STEP/ BUMPER ASSEMBLY**  
 The center section of the rear step bumper shall be constructed of aluminum grip strut and be hinged to assist in patient handling.





Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

Option    Std Qty    Header/Description/Data

**BH32OR00    1    1 SUSPENSION SWITCH: dump override**  
 A switch will be installed where specified, to override the automatic dump feature activated by the left rear patient compartment entry door.  
 4/10/2015 Switch Locate: Inside right rear patient entry door

**BL250000    0    1 ENGINE HOUR METER**  
 An engine hour meter will be installed in the driver's side of the cab radio console. **INFO REQUIRED**  
 4/3/2015

**BL26B000    1    1 BACKUP ALARM RESET**  
 Backup alarm to automatically reset to on if alarm was manually canceled using the control panel alarm cut-off switch (FL25) during previous use.

**BL32A000    1    1 OEM AM/FM/CD PLAYER SHALL BE PROVIDED BY THE OEM MANUFACTURER**  
 OEM AM/FM/CD player shall be provided by the OEM manufacturer on all Horton supplied chassis.  
 Note: This option applies only to chassis supplied by Horton. Chassis supplied by either the customer or the dealer must be ordered with this feature from the chassis OEM.

**C                      CONVERSIONS**



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

**Option Std Qty Header/Description/Data**

**CA660000 0 1 CONVERSION MODEL: 623T TERRASTAR**

MINIMUM BODY DIMENSIONS:  
 (Exterior)  
 -Height: 89"  
 -Width: 96"  
 -Length: 173"  
 (Interior)  
 -Height: 72"  
 -Aisle 20"  
 -Width: 20" (from edge of cot in wall position to squad bench riser)  
 -Length: 169"  
 OVERALL DIMENSIONS (Including Chassis, Module and Step):  
 -Height: 117" (to top of vent)  
 -Width: 100"  
 -Length: 307"

Note: This option includes exhaust rerouting.

**CA660001 1 1 623T STREETSIDE FORWARD:**

Clear Door Opening: 18.7" wide x 80.6" high  
 Actual Compartment 21.4" wide x 83.6" high x 21.3"  
 This area shall be accessed through a single outside hinged door.  
 The compartment shall house the vehicle's primary O2 cylinder. The compartment shall be vented to the outside.

**0 1 DIVIDER ADJUSTABLE, VERTICAL COMPARTMENT**

dr11b000 Install an adjustable vertical divider as noted below: (Divider material to match the compartment material).

**INFO REQUIRED**

4/10/2015 Locate: Centered in streetside front compartment

**CA660002 1 1 623T STREETSIDE INTERMEDIATE:**

Clear Door Opening: 51.7" wide x 39.8" high  
 Actual Dimensions: 55.4" wide x 43.0" high x 21.3"  
 This area shall be accessed through double, outside hinged doors.  
 Both doors shall have exterior door handles and latching devices.

**0 1 SHELF FOR LED LIGHTED DOUBLE DOOR COMPARTMENT**

dr09lb00 A diamond plate adjustable shelf shall be installed in the area listed below.

**INFO REQUIRED**

4/10/2015 Locate: Centered in streetside intermediate compartment

**CA660004 1 1 623T STREETSIDE REAR:**

Clear Door Opening: 32.0" wide x 39.8" high  
 Actual Dimensions: 37.4" wide x 43.0" high x 21.3"  
 This area shall be accessed through double, outside hinged doors.  
 Both doors shall have exterior door handles and latching devices:



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

**Option Std Qty Header/Description/Data**

- 0 1 **SHELF FOR LED LIGHTED VERTICAL COMPARTMENT**  
 dr081000 A diamond plate adjustable shelf shall be installed in the following **INFO REQUIRED**  
 location.  
 4/10/2015 *Locate: Centered in streetside rear compartment*
  
- CA660005 1 1 **623T CURBSIDE REAR:**  
 Clear Door Opening: 25.0" wide x 80.6" high  
 Actual Dimensions: 29.6" wide x 83.6" high x 21.3"  
 This area shall be accessed through a single outside hinged door
  
- 0 2 **DIVIDER ADJUSTABLE, VERTICAL COMPARTMENT**  
 dr11b000 Install an adjustable vertical divider as noted below: (Divider **INFO REQUIRED**  
 material to match the compartment material).  
 4/10/2015 *Locate: Evenly spaced in curbside rear compartment*
  
- CA660006 1 1 **623T CURBSIDE FORWARD WITH BATTERY COMPARTMENT:**  
 Clear Door Opening: 22.1" wide x 83.6" high  
 Actual Dimensions: 27.2" wide x 83.6" high x 28.5"  
 This area shall be accessed through a single outside hinged door and  
 from an opening located on the curb side forward wall. The area  
 shall be primarily used for storage of customer furnished jump kits.
  
- CAB93AF0 0 1 **KKK-A-1822F CERTIFICATION LABEL**  
 The vehicle shall have weight/payload, electrical load and KKK-A-  
 1822F certification stickers installed in the O2 compartment.  
 4/10/2015

**CB BODY MODIFICATIONS/OPTIONS**

- CB06SW00 1 1 **DOUBLE STEP CURBSIDE ENTRY, 3"**  
 The curbside skirt, forward of the rear wheel well shall be dropped  
 3 inches. Two integral ALD steps within the side patient door step  
 well shall be available upon opening the side door for easier and  
 lower access to the patient compartment. **INFO REQUIRED**  
 4/9/2015
  
- CB09SA00 1 1 **PATIENT AREA SOUND PROOFING/ACOUSTIC ENHANCEMENT  
 PACKAGE**  
 Install standard sound control package.



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

Option Std Qty Header/Description/Data

**D MODULE BODY HARDWARE**

- DG050000 1 1 **WINDOWS, REAR MODULE BODY ENTRY DOORS**  
 The rear module entry doors shall have solid windows. The side entry door shall have a sliding window.
  
- DG060000 1 1 **WINDOW, SLIDING FOR SIDE ENTRY DOOR**  
 The side entry door shall have a sliding window.
  
- DG06A000 1 1 **WINDOW, CURBSIDE OF BODY ABOVE SQUAD BENCH**  
 A fixed window shall be installed on the curbside of the body above the squad bench.
  
- DG080000 1 1 **EMERGENCY DOOR RELEASE MECHANISM**  
 Install standard emergency release knobs on top and bottom of rear module entrance doors.
  
- DH000000 1 1 **Vi-Tech body mounts**  
 Install standard Vi-Tech body mounts.
  
- DH03B000 1 1 **MIRROR STAINLESS STEEL SPLASH SHIELDS**  
 Install #8 mirror stainless splash shields on the lower front face of the body just behind the cab access doors. These splash shields are to be the same height as the diamond plate front corner guards.  
*NOT AVAILABLE ON FORD "E" SERIES CHASSIS IN CONJUNCTION WITH EXTENDED CORNER GUARDS.*  
 Note: Check option OL41B000 for running board light pre-punches.
  
- DH040000 1 1 **MODULE BODY FENDERS: stainless steel**  
 Rear wheel housings shall have stainless steel flare skirts to protect the wheel house opening and side body finish.



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

Option Std Qty Header/Description/Data

DH04RP00	1	1	<p><b>POLISHED STAINLESS LOWER BODY RUB RAILS</b></p> <p>Polished stainless lower body rub rails, with #8 mirror finish, are to be along the bottom of the body on each side.</p>	
DH330000	1	1	<p><b>REAR DOOR HOLD OPENS, GRABBER</b></p> <p>Install chrome Cast Products "Grabber" style rear door hold opens. (NOTE: HOLD OPENS MUST BE RELOCATED IF TELESCOPIC LIGHTS ARE ORDERED)</p>	
DL48A000	1	1	<p><b>ELECTRIC DOOR LOCKS: access doors</b></p> <p>Install power activated door locks on all patient area access doors. Locks to be activated by a switch at each patient area door, and controlled with the access door locks. Locks may be overridden by a manual slide lever or by the door key. A separate lock switch will be located in the front radio console if option DL48D000 (wired to OEM locks) is not selected.</p>	
DL48B000	0	1	<p><b>ELECTRIC DOOR SWITCH: concealed</b></p> <p>Install a concealed switch on the exterior of the vehicle to operate the power door lock circuit. Doors shall be wired to unlock only on this circuit.</p> <p>4/3/2015 Locate: Front grill area</p>	<b><u>INFO REQUIRED</u></b>
DL48D000	0	1	<p><b>ELECTRIC DOOR LOCKS WIRED TO OEM SWITCHES</b></p> <p>The module door locks and compartment locks (if ordered) are to be wired to the chassis door lock switches.</p> <p>4/3/2015</p>	<b><u>INFO REQUIRED</u></b>
DM100000	1	1	<p><b>REFLECTORS:</b></p> <p>All patient compartment entry doors shall have red reflectors in the lower corner.</p>	
DR220000	1	1	<p><b>RUBBER MATTING IN EXTERIOR COMPARTMENTS</b></p> <p>Ribbed rubber matting will be installed on the floor and shelves of all exterior compartments.</p>	
DR23A000	1	1	<p><b>RUBBER COVERED WALLS IN BACKBOARD COMPARTMENT</b></p> <p>The interior of the backboard compartment is to be covered with rubber matting to protect equipment stored in this area.</p> <p>4/3/2015 Color: Black</p>	<b><u>INFO REQUIRED</u></b>



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

**Option Std Qty Header/Description/Data**

**E PAINT AND STRIPING**

ED02F000 0 1 **PAINT CHASSIS, medium duty**  
 The chassis cab shall be painted with the following special paint color and paint code:  
 4/10/2015 Color: Match module color as specified  
 Number:

ED040000 1 1 **MODULE PAINT: standard white**  
 Paint module standard white Sikkens #FLNA4002. **INFO REQUIRED**  
 4/3/2015 White or Red.

ED20AA00 1 1 **STRIPE: 8" Scotchlite beltline**  
 Apply an 8" Scotchlite beltline stripe in the color listed below: **INFO REQUIRED**  
 4/3/2015 Color: TBD Scotchlite

ED20PS00 1 1 **PAINT PANEL: sample**  
 A painted test panel shall be prepared with the following paint color and number, to confirm correct paint selection. The panel will be mailed as designated.  
 Color:  
 Paint Number:

ED300000 1 1 **PIN STRIPE: 1/4" black**  
 The single color stripe as described above shall include a 1/4" black pinstripe that surrounds the entire accent stripe.

ED30C000 0 2 **PINSTRIFE: 1" SCOTCHLITE (EACH)**  
 1" Scotchlite pin striping shall be installed per the information listed below. **INFO REQUIRED**  
 4/3/2015 Quantity: 2  
 Color: TBD  
 STANDARD LOCATION. Surround beltline stripe as specified.



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

Option Std Qty Header/Description/Data

**F INTERIOR CABINET DOORS, HANDLES & HARDWARE**

- FE010000 1 1 **FULL HEIGHT PULL HANDLES ON SLIDING PLEXIGLAS DOORS**  
 All sliding cabinet doors to have full length pull handles.
  
- FE01FT00 1 1 **LATCH, HINGED DOOR: Southco flush stainless steel pull style**  
 Install stainless flush mount Southco pull latches on the hinged interior cabinet doors.
  
- FE02A000 1 1 **PLEXIGLAS COLOR: light tint**  
 All Plexiglas doors to be light tint.
  
- FE060000 1 1 **STAINLESS STEEL COUNTER TOPS (STANDARD)**  
 Stainless steel pan formed counter tops shall be installed in the patient area.
  
- FE08ST00 1 1 **INHALATION PANEL (STANDARD):**  
 The inhalation panel is to be fabricated from composite material and covered with Formica to match to color selected.

**G INTERIOR COLORS, UPHOLSTERY AND SEATING**

- GF01LA00 0 1 **INTERIOR COLOR SCHEME: BATTALION BLUE**
  - Floor: LONCOIN SAPPHIRE BLUE
  - Risers: WILSONART INDIGO
  - Walls: WILSONART NATURAL ALMOND
  - Cabinets: FLEECE PAINT
  - Upholstery: COBALT BLUE
  - Countertop: STAINLESS STEEL
  - Accent Stripe: WILSONART BRITTANY BLUE

**INFO REQUIRED**

4/3/2015



Year: 2015

Chassis: Terrastar 108"

Model: 623

**Option Std Qty Header/Description/Data**

**GF02M000 1 1 INSIDE CABINET FINISH: paint**  
 The interior of all aluminum cabinets shall have a durable paint finish. The painted surface shall be washable and non-absorbent. See the appropriate Interior Color Scheme option for paint color information.

**GF02P000 1 1 RISERS:**  
 The interior of this vehicle is to contain no wood or wood products. The risers are to be made of reinforced structural composite board covered with Formica per the color description. Formica will not be installed on the risers if stainless steel riser options are selected.  
*Note: Riser thickness to be modified if option #PL27CP00 is ordered.*

**GK12D000 0 1 EVS CHILD SAFETY SEAT WITH 3-POINT SEAT BELT**  
 Delete the standard attendant seat cushion. Install a high back bucket seat with built in child seat restraints and 3-point occupant restraint. The seat to be adjustable front to rear. **INFO REQUIRED**  
 4/3/2015

**GK140000 1 1 SEAT BELTS:**  
 Install standard seat belt package for use with HOPS.  
*Note: Requires Option #IG070000 (Squad bench end restraint for use with HOPS)*

**H INTERIOR CABINETRY, STREET SIDE**

**HK000000 1 1 LINEN CLOSET**  
 Install a vertical storage cabinet behind the attendant seat. The upper storage area shall house the primary electrical distribution area. The lower section shall be used for miscellaneous storage. Each area shall be accessed through hinged doors. The electrical distribution area shall include a Southco key lock/latching device. The entire cabinet shall be fabricated from aluminum and shall then be painted, unless otherwise specified.  
 4/10/2015

**HK001000 1 1 HOPS SYSTEM:**  
 The unit is to be equipped with the HOPS system.  
*Note: Deletion of the system along with the selection of option #HK01A000 requires that the credit provided under HK01B000 be deleted.*





Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

**Option Std Qty Header/Description/Data**

- HK001B00 1 1 RADIUS STYLE CABINET TRIM**  
 Install smooth 1.5" radiused trim on all applicable interior cabinets.
- HK01B000 1 1 STREETSIDE WALL WITH CPR SEAT**  
 Street side wall to have CPR configuration. All cabinets over 14"H will include (1) standard adjustable shelf.  
 SEE DRAWINGS  
 Configure: street side cabinets to be 18" deep.
- HK17C000 1 1 SHARPES/WASTE DISPOSAL:**  
 Install sharpes and waste disposal in a metal container recessed into the inhalation counter top. Access to the waste receptacle shall be through a spring loaded door. The neck of the sharps container shall protrude through the top surface of the receptacle. Disposal of both containers shall be accessible by raising a hinged aluminum lid.

**INTERIOR CABINETS AND SQUAD BENCH, CURB SIDE**

- IA200000 1 1 SQUAD BENCH STORAGE:**  
 Storage shall be provided under the bench cushions. The area shall run where possible under the bench. The storage pan shall be fabricated from aluminum and shall be accessed by raising the split cushions.
- IG070110 1 1 SQUAD BENCH END RESTRAINT FOR USE WITH HOPS**  
 Install a restraint that is 16" above the seating surface at the head end of the bench. Standard for use in conjunction with HOPPS 3-point seat belts.  
 DWG #105078
- IG10A000 1 1 BENCH HOLD OPENS: gas**  
 Install gas spring hold opens on squad bench lid.



Year: 2015  
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 Model: 623

**Option Std Qty Header/Description/Data**

- IG10Q000 1 1 **BENCH HOLD-DOWN: paddle latches (Pair)**  
 Install recessed paddle latches into the squad bench riser to retain the squad bench lids in the closed position. The latches shall be both passive and positive.
  
- IG15A000 1 1 **BENCH CUSHION EDGE TRIM:**  
 Trim bench cushion edge with protective aluminum trim, to protect horizontal edge of squad bench cushion from tears..
  
- IG15B000 1 1 **BENCH BACK CUSHION: full size**  
 Delete individual squad bench back cushions. Install full size cushion.
  
- IK18AA00 1 1 **CURBSIDE OVERHEAD CABINET: hinged doors**  
 Storage shall be provided above the squad bench. The storage shall run the full length of the squad bench and shall be accessed through hinged Plexiglas doors that are held in the open position with gas activated rods. The entire cabinet shall be fabricated from aluminum. The cabinet is to be 9" H to meet current K requirements.

**J INTERIOR CABINETS, FRONT**

- JAK03000 1 1 **FRONT WALL CABINET:**  
 The front wall cabinet shall be arranged per drawing. Additional configuration information may follow.  
*Cabinet wall finish: paint*
  
- JE040000 4 4 **FRONT WALL DOORS: Plexiglas**  
 Front cabinet wall to have hinged Plexiglas doors, and latch type as designated.  
*Type: Plexiglas*  
*Latch Style: Southco*
  
- JK13C000 1 1 **CAB TO MODULE WALKTHROUGH DOOR, HINGED**  
 Install a recessed hinged front cabin closeout door on the right front compartment wall.  
*This door cannot be deleted for credit in a non walkthrough vehicle.*



Year: 2015  
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 Model: 623

Option Std Qty Header/Description/Data

**K MODULE INTERIOR ACCESSORIES AND TRIM**

- KG02B000 2 4 IV HANGER, CAST PRODUCTS WITH RUBBER ARM**  
 Cast products recessed IV hangers with rubber arms for attaching solution bags shall be installed in the designated locations. **INFO REQUIRED**  
 4/3/2015 Locate: TBD
- KG09B000 1 1 CEILING GRAB RAIL: standard (2) 2ft rails or (1) 6ft rail anti-microbial**  
 Cabinet wall "A" will have (1) 6' rail over cot as standard.  
 Cabinet wall "B" will have (2) 2' rails, 1-forward and 1-to rear of CPR seat.
- KG09K000 1 1 PATIENT DOOR GRAB RAILS: angled with anti-microbial coating**  
 All patient access doors to have heavy duty angled stainless steel grab rails with smooth radius corners and flange mounting and anti-microbial coating.
- KG110000 1 1 FLOOR TRIM**  
 Trim floor with cove molding at non rolled areas of floor.
- KG120000 1 1 CABINET TRIM**  
 Trim all vertical and horizontal edges.
- KG16B000 1 1 CEILING MATERIAL, PLATINUM WHITE ALUMINUM COMPOSITE**  
 The standard module ceiling material shall be platinum white aluminum composite.
- KG17A000 2 2 FIRE EXTINGUISHERS: 5lb ABC**  
 Supply five pound fire ABC extinguisher(s). Ship loose, or identify mounting location(s).  
 Locate: SHIP LOOSE

**L COT MOUNTS AND ACCESSORIES**



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

**Option Std Qty Header/Description/Data**

LG03A000 0 1 COT MOUNT STYLE: 175-3 single position  
 Cot mount to be single position FW 175-3 for full cabinet wall. **INFO REQUIRED**  
 4/3/2015 Cot Model: TBD

**M LIGHTBARS FRONT AND REAR**

MAM148F0 1 1 FRONT LIGHTBARS FOR 96" BODIES

0 1 LIGHT BAR: custom front  
 mam15y00 Install special front light bar.  
 4/3/2015 Model: Whelen Liberty II WC  
 Configure:RL-RL-WL-RL-WL-WL-RL-WL-RL-RL

0 1 LIGHT BAR MOUNT: cab roof  
 mam20a00 Mount light bar on cab roof.  
 4/3/2015 Model: selected above

**MM ELECTRICAL EMERGENCY VISUAL WARNING SYSTEMS**

MM01A000 0 1 WIG WAG HEADLIGHTS:  
 Install wig wag headlight flasher. **INFO REQUIRED**  
 4/3/2015

MM26B030 0 10 RED SUPER L.E.D. LIGHT, 900 SERIES  
 Whelen 900 series red super L.E.D. lights shall be installed in the  
 designated locations. **INFO REQUIRED**  
 4/3/2015 Location: (2) Front Face  
 (2) Upper streetside corners  
 (2) Upper curbside corners  
 (2) Rear Face  
 (2) Rear Window Level  
 Lens color: Red



Year: 2015  
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 Model: 623

**Option Std Qty Header/Description/Data**

<p><b>MM26L030 0 1 WHITE SUPER L.E.D. KKK FRONT LIGHT, 700 SERIES</b>                  A Whelen 700 series clear super L.E.D. light shall be installed in the front face of body.                  4/3/2015</p>	<p><b><u>INFO REQUIRED</u></b></p>
<p><b>MM26R030 0 1 AMBER SUPER L.E.D. KKK REAR LIGHT, 700 SERIES</b>                  (1) AMBER series 700 super L.E.D. light to be mounted centered on rear face of modular body.                  4/3/2015 Lens color:</p>	<p><b><u>INFO REQUIRED</u></b></p>
<p><b>MM26T130 0 1 INTERSECTION LIGHTS, WHELEN SUPER L.E.D. 400 SERIES RED WITH FLANGE</b>                  Intersection lights shall be Whelen 400 series super L.E.D. style.                  4/10/2015 Lens color:</p>	
<p><b>MM26UG00 1 1 HOUSING, GRILLE LIGHTS, 700 LED, NAVISTAR</b>                  Whelen #7GILKT2 angled housings will be utilized to mount Whelen 700 series LED grille lights. These housings are applicable with a fixed chassis grille and are located in the lower portion of the grille.</p>	
<p><b>MM26UI30 1 1 GRILLE LIGHTS, WHELEN SUPER L.E.D. 700 SERIES RED</b>                  Grille lights will be Whelen super L.E.D. style.                  4/10/2015 Lens color:</p>	
<p><b>MM27AA10 0 2 LIGHT, AMBER SUPER L.E.D., 900 SERIES</b>                  Each Whelen amber flashing 900 series super L.E.D. series light shall be installed where designated. The lamp shall include a chrome flange housing.                  4/3/2015 Locate: Rear module body at window level.                  Lens color: AMBER</p>	<p><b><u>INFO REQUIRED</u></b></p>

**MN AUDIBLE EMERGENCY WARNING SYSTEMS**



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

**Option Std Qty Header/Description/Data**

MN09N000 1 1 **AIR HORN: medium duty chassis**  
 The chassis shall have air horns installed from the chassis manufacturer. The air horns shall use the chassis air system. The air horns can only be activated when the vehicle is in gear.  
 4/10/2015 *Trumpet Locate: Chassis front fenders*  
*Activation: TBD*

MN35CA00 0 1 **SIREN, WHELEN #295SLSA1**  
 A Whelen #295SLSA1 siren shall be installed.  
 4/3/2015

**INFO REQUIRED**

MN40A000 1 1 **SIREN INSTALL:**  
 The siren listed above shall be supplied and mounted as defined.

MN45UM00 1 1 **SPEAKERS, SA3808**  
 Install SA3808 siren speakers.

MN50A000 1 1 **SPEAKER INSTALL: bumper**  
 Speaker Selections (Bumper Installed)

**O LIGHTS**

OL09L000 0 1 **KKK SIDE BODY MARKER LIGHTS, 700 SERIES L.E.D. (PAIR)**  
 Install red Whelen L.E.D. 700 series turn/marker lights on each rear side of the module body. Lights provide module body night time side lighting visibility and turning signal indication.  
 4/3/2015

**INFO REQUIRED**

OL34L000 1 1 **LED EXTERIOR COMPARTMENT LIGHTING**  
 All exterior compartments will be lighted with LED strip lighting. A vertical strip will be installed inside both sides of each compartment. The lights shall be directed toward the back of the compartment.  
*Note: This does not include wheelwell compartments.*



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

Option Std Qty Header/Description/Data

**OL35D000 1 1 ICC MARKER LIGHTS**

Install standard rolled marker lights along the upper corner post front and rear.

*Note: Do not install if lightbar(s) already includes standard marker lights.*

**OL41B000 0 1 RUNNING BOARD LIGHTS, WHELEN PAR 16 L.E.D.**

Clear Whelen Par 16 round L.E.D. lights mounted in chrome flanges shall be installed in the front of the module body. Locate in the stainless steel stone guard above the running boards. The lights shall be wired to the chassis door switch and illuminate the step/running board.

**INFO REQUIRED**

*4/3/2015 REQUIRES PRE-PUNCHED STONE GUARDS DH030000 or DH03B000.*

**OM25AA00 0 2 SIDE SCENE LIGHTS, 900 SERIES, LED**

Install Whelen 900 series #9SCOENZR side scene lights.

**INFO REQUIRED**

*4/3/2015 Locate: (1) Streetside and (1) Curbside of Module. Evenly spaced between 900 LED corner flashers*

**OM25DD00 0 2 LOAD LIGHTS WHELEN 900 SERIES LED**

Rear load lights to be (2) Whelen #9SCOENZR LED lights.

**INFO REQUIRED**

*4/3/2015*

**OM30D000 0 1 TAIL LIGHTS, M6 SERIES**

Whelen M6 series brake/tail, amber arrow turn and backup lights to be installed in the selected location.

**INFO REQUIRED**

*4/3/2015 Locate: Stack on rear module body*

**P ELECTRICAL POWER GROUP**

**PAL00006 1 1 INTELLIPLX i4G:**

Install the Intelliplex i4G electrical system. System is to include a USB port installed under the dash for ease of programming.



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

**Option Std Qty Header/Description/Data**

- PAL01D00 0 1 INPOWER ELECTRONIC BATTERY SWITCH, I4G**  
 Install an Inpower electronic battery switch. Switch is to activate battery power through the vehicle ignition and is to include an automatic shutdown timer to deactivate battery power after the ignition is turned off. **INFO REQUIRED**  
 This option is to include the LED push button power wake/timer switch.  
 4/3/2015 Shut down timer interval: 5 minutes
- PAL04D00 1 1 CHARGER/POWER SUPPLY: 45 AMP**  
 Install a 45 amp battery conditioner in the designated electrical equipment area. Conditioner to be wired to the batteries through the standard shoreline inlet.
- PAL30A00 2 2 110V INTERIOR OUTLET**  
 Two 110V interior outlets are provided as standard on all models. The standard locations are in the inhalation area and the wall over the squad bench. List the standard outlet locations and any deviation from the standard, plus any additional outlet locations below:  
 Locate: Inhalation area  
 Locate: Wall over squad bench
- PAL31C00 3 3 INTERIOR 12VDC OUTLETS: cigarette lighter type**  
 12 volt outlets to use cigarette lighter style connectors. **INFO REQUIRED**  
 4/3/2015 Locate: Inhalation area (2)  
 Locate: Front wall cabinet  
 Configure: TBD
- PAL38E00 0 1 SHORELINE, KUSSMAUL SUPER AUTO EJECT, 20 AMP NON ARCING**  
 Install a 20 amp Kusssmaul non-arcing auto ejection shoreline receptacle. **INFO REQUIRED**  
 4/3/2015 Locate: Street side of module body
- PAL38IL0 0 1 SHORELINE INDICATOR:**  
 Install an indicator pilot light to show power to A.C. circuits and presence of activated shoreline. **INFO REQUIRED**  
 4/3/2015 Locate: Above the shoreline inlet  
 Configure: LED





Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

Option Std Qty Header/Description/Data

- PAL40000 1 1 **EXTRA 12VDC CIRCUIT BREAKER:**  
 An extra circuit breaker shall be installed.
  
- PL10B000 1 1 **SWITCH PANEL MOUNT:**  
 Switch panel to be flush mounted in OEM dash area over the front console.
  
- PL11F000 1 1 **PROGRAMMING: AUDIBLE LOW VOLTAGE ALARM**  
 Program an audible alarm to activate if the voltage drops below 11.8 volts for 120 seconds.
  
- PL11G000 1 1 **LIGHT PROGRAMMING: park brake**  
 A warning shall display on the front console readout, advising to set the Parking Brake, should the modular disconnect switch be "ON" and the transmission placed in "PARK" or "NEUTRAL". It will also advise to Disengage the Parking Brake should the vehicle be placed into gear.  
 Configure: wire alarm to activate with red flasher circuit
  
- PL19A000 1 1 **REPORT LIGHT**  
 Install a 12" Tecniq LED bar style report light.
  
- PL22C000 1 1 **STEP WELL LIGHT:**  
 Install a 10.5" LED Vista light strip in the standard location on the bench side of the step well. Light to activate with door open.
  
- PL27CA00 0 8 **PATIENT CEILING DOME LIGHTS: WHELEN LED**  
 Install Whelen 80C0EHCR LED dome lights in the patient area ceiling per the locations listed below. The lights will have a high/low feature with the switch in the rear control panel.  
 4/3/2015 (A minimum of seven lights are required for lighting compliance)  
 Locate: (3) OVER COT, (3) OVER BENCH and (1) above the walkthrough.  
 (Recommended) #10008603  
 Locate: (4) Over Main Cot (favor the streetside edge of cot)  
 (4) Over the bench seat (favor the isle edge of bench)

**INFO REQUIRED**



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

Option Std Qty Header/Description/Data

**Q HEATING, AIR CONDITIONING AND INTERIOR ENVIRONMENT**

**QH29I100 1 1 HEAT/AC SYSTEM-COMPRESSOR & CONDENSOR, NAVISTAR, FRAME**  
 Install a ProAir 12V heat/AC system, complete with compressor and condenser, for the Navistar 4300. Unit is to include a replaceable filter at the air intake point. This system shall not tap into the chassis OEM heat/AC system. Bottom mount condenser for DT466 installed under the vehicle.  
*Note: Compressor to be ordered with the chassis.*

**QL43N000 1 1 NFPA COMPLIANT VENTING-CAST VENTS**  
 Install an NFPA style venting system to include a 400cfm exhaust vent along with a static vent. Install 9.5" square polished covers on both vents per drawings.

**R CAB CONSOLE AND COMMUNICATIONS**

**RJ01A000 1 1 ANTENNA COAX 1:**  
 An RG 58U coax shall be installed so that the ambulance conversion need not be disassembled. **INFO REQUIRED**  
 4/10/2015 *Exterior Termination: To be determined*  
*Interior Termination: To be determined*

**RJ03MM00 0 1 ANTENNA: K-94 mount.**  
 Supply and install K-94 antenna base as designated. **INFO REQUIRED**  
 This option is less the antenna coax. An antenna coax option must be selected to be installed.  
 4/3/2015 *Coax Number(s): J01*

**RJ040000 1 1 RADIO CABLE PULL WIRE**  
 A standard pull wire for radio installation shall be installed from behind the driver's seat to behind the inhalation panel.

**RJ05B000 1 1 FRONT CONSOLE:**  
 A console shall be fabricated to coordinate with the interior cab color. Room shall be provided on the face of the console for installation of radio and siren controls.



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

Option Std Qty Header/Description/Data

RJ05C000 0 1 **CONSOLE EXTENSION:**  
 A box for mounting radio heads and storage maps, books, or binders will be attached to the standard engine cover console. Standard box includes (3) 2.5 storage sections, and 8.5 faceplate for radio mounting. **INFO REQUIRED**

4/3/2015

RJ080000 1 1 **RADIO POWER/GROUND:**  
 Install 6 gauge cable to positive and ground studs for radio power.  
 Locate: bulkhead wall, behind driver seat  
 Configure: battery switched

**T OXYGEN AND SUCTION**

TN002000 1 1 **OXYGEN BOTTLE MOUNT, VERTICAL TRACK FOR QRM-V**  
 Vertical track for mounting of a QRM-V O2 bottle mount shall be welded on the back wall of the compartment in the right hand corner. The O2 bottle mount is adjustable for "M" or "H" size tanks.

TN01MW00 1 1 **OXYGEN BOTTLE, CYLINDER BRACKET: Zico**  
 Zico QRM-V oxygen bracket shall be installed.  
 Locate: standard location  
 Tank Size: "M"

TN030000 2 2 **OXYGEN OUTLETS, STANDARD**  
 Two oxygen outlets to be provided as standard and located in the inhalation panel unless relocated per option TN03RL00.

TN03A000 0 1 **OXYGEN OUTLET: additional**  
 Install additional oxygen outlet(s). **INFO REQUIRED**  
 4/3/2015 Locate: Patient area ceiling over Head of main Cot.

TN04A000 1 1 **ADAPTER TYPE: Ohio Diamond II**  
 Oxygen outlets to be Ohio Diamond II.



Year: 2015  
 Chassis: Terrastar 108"  
 Model: 623

**Option    Std Qty    Header/Description/Data**

- TN050000    1    1 **FLOWMETER:**  
    Supply dial type flowmeter.
  
- TN060000    1    1 **OXYGEN WRENCH:**  
    Install oxygen wrench in oxygen compartment. Mount secure so not left hanging. Mount with length of chain or cable so not removable.
  
- TN100000    1    1 **VACUUM OUTLET: inhalation wall**  
    A single vacuum panel shall be installed in the inhalation area. The outlet shall be of the same style as the oxygen system and hooked to the onboard vacuum pump.
  
- TN11B000    1    1 **ASPIRATOR: SSCOR**  
    Install an SSCOR aspirator. The system shall include a #22000 wall mounted regulator, and a #23002 canister holder. Plumb to the pump selected.
  
- TN12D000    1    1 **VACUUM PUMP:**  
    Install a CAPL #D34 SE (T282) 12vdc electric suction pump.
  
- UP180000    1    1 **DOOR REFLECTORS**  
    Install 2" x 12" strips of red Scotchlite at the top of each entry door placed horizontally.
  
- Z04            0    1 **Fuel, Tags, Etc.**  
    Allowance for fuel, tags and administrative.



*Year:* 2015  
*Chassis:* Terrastar 108"  
*Model:* 623

*Option Std Qty Header/Description/Data*

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*Authorized Department Signature(s):* \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Highlighting Items Exceeding KKK/Minimum Requirements and to Optimize Harsh Weather Operations

*\*\*Each of the 5 Base Model ambulances offered by Horton/Greenwood in our proposal for RFP# FCAM 2015 Ambulances are in compliance with the current KKK-A-1822F Federal Specifications for Star-of-Life Ambulance and Commonwealth of Massachusetts Department of Public Health rules and regulations for ambulances*

All third party impact, roll-over, and impact testing exceeds AMD, SAE and KKK-1822-F testing requirements. Horton has conducted the following testing:

Static Load Test – Roof – 90,000lbs\*

Static Load Test - Side – 44,000lbs

Side Body Impact – 35G of Force

Squad Bench Test – 19,500lbs

Attendant Seat Test – 9,250lbs

CPR Seat Test – 7,000lbs

Cabinet Structure Test – 145,874lbs\*\*

Head of Bench Test – 145,874lbs\*\*

Litter Retention Test – 2,500lbs

\*On 10-point mounting system

\*\*Based on side crash test with 35G of force

Third Party certified HVAC system with a superior defrosting system and A/C for rehab

Sound levels in the ambulance are significantly less than what is allowed by Federal regulations (80 dba)

All base model ambulances have floor heights that are lower than required by KKK-1822F (34")

All base model ambulances have available payload capacities that exceed K-requirements

All interior, exterior and warning lighting exceeds K requirements for light output

All Horton base models exceed the K requirements for ventilation with the standard 400CFM vents.

## Body

.125 extruded body for the heaviest duty body in the industry which offers greater durability in harsh New England road conditions.

No wood products are used in the construction of a Horton ambulance. Wood products can rot and deteriorate over time and can also harbor blood borne pathogens and bacteria. Horton uses Agion anti-bacterial coatings on all doors, handrails, counters, etc.. to resist bacteria wherever possible. These are important factors, especially in the harsh New England climates.

Rolled up and sealed flooring on all Horton base models is easier for cleaning in the harsh New England climates

Aluminum tread walking surfaces exceeds minimum for firefighter safety

Roll over air bag system (Horton Occupant Protection System or HOPS) is a benefit in harsh New England climates proving safety in case of icy road conditions that could potentially cause a roll over.

## Electrical

Horton I4G multiplexed electrical system with fewer connections that are all weather tight

All LED D.O.T. cab and body lighting package

The entire warning light package is LED, enhancing durability and safety



# Horton

## EMERGENCY VEHICLES

Horton Emergency Vehicles--3800 McDowell--Grove City, OH 43123

### **HORTON - 553PE PROJECT - 2015**

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**Year:** 2014  
**Chassis:** Ford Type III, 158"WB, 100"  
**Type:** 3  
**Model:** 553C  
**Rev 6**      Rev 5

11854

### **CATEGORIES:**

- A**      *Chassis*
- B**      *Body Connection Pass Thru Type*
- BH**     *Chassis Accessories*
- BL**     *Chassis Electrical*
- C**      *Conversion Model*
- CB**     *Module Body Modifications*
- D**      *Module Body Hardware*
- E**      *Paint and Striping*
- F**      *Cabinet Doors, Handles and Hardware*
- G**      *Interior Colors*
- H**      *Interior Cabinets, Streetside*
- I**      *Interior Cabinets, Curbside*
- J**      *Front Wall Cabinets*
- K**      *Interior Accessories and Trim*
- L**      *Cot Mount, and Patient Handling*
- M**      *Warning Systems, Visual*
- MN**     *Warning Systems, Audible*
- O**      *Lights, Non Emergency*
- P**      *Electrical Power Group*
- Q**      *Heat, Ventilation, Air conditioning*
- R**      *Console, Radio, and communications*
- T**      *Oxygen and Suction*
- U**      *Lettering and Graphics*
- Z**      *Other*

**Prepared By:** Bob Parks





Year: 2014

Chassis: Ford Type III, 158"WB, 100"

Model: 553C

Option Std Qty Header/Description/Data

AA000000 1 1 SPECIFICATION FOR A NEW EMERGENCY MEDICAL VEHICLE

**AB Horton Emergency Vehicles Feature List**

3/5/2015 !!! 553 PE SERIES VEHICLES - REVISED 3-5-15

**AC CHASSIS**

AFE 1 1 FORD E-SERIES CHASSIS

AFE46016 0 1 CHASSIS, 2016 FORD E-450 SUPER DUTY, 158" CUTAWAY-GAS

The chassis required to complete the ambulance conversion shall be supplied by Horton.

3/6/2015

!!! THIS UNIT WILL LEAVE HORTON WITH NO STAINLESS STEEL SIMULATORS - DEALER WILL SUPPLY AND INSTALL.

AJNSPIC0 1 1 CHASSIS INTERIOR COLOR SHALL BE GRAY

**B CHASSIS MODIFICATIONS, HARDWARE AND ACCESSORIES**

BH03A000 1 1 MUD FLAPS: front

Install rubber mud flaps behind each front tire.

7/11/2013

BH03B000 1 1 MUD FLAPS: rear

Install individual rear mud flaps behind each set of rear wheels.

10/20/2013

**Selected Feature List 11854**



Year: 2014  
 Chassis: Ford Type III, 158"WB, 100"  
 Model: 553C

Option Std Qty Header/Description/Data

**BH070000 1 1 REINFORCE REAR BUMPER END CAPS**  
 Reinforce end caps of rear bumper for greater impact resistance.  
 A SECTION OF 2" X 2" STEEL ANGLE SHALL BE ATTACHED TO THE BACK SIDE OF THE STD HORTON STEP. (NOTE, THIS OPTION IS NOT AVAILABLE ON RECESSED OR IMPACT STEPS).

**BH08H000 0 1 RUNNING BOARDS: STAR PUNCHED**  
 Install heavy duty aluminum diamond plate running boards and splash shields. Running boards are to be star punched for enhanced drain and foot grip.

6/6/2014

**BH110000 1 1 REAR STEP/ BUMPER ASSEMBLY**  
 The center section of the rear step bumper shall be constructed of aluminum grip strut and be hinged to assist in patient handling.

7/18/2014

**BL070000 1 1 BATTERIES, STANDARD ON TYPE III CHASSIS**  
 (2) batteries shall be installed in the specified battery compartment on a pull out tray.

**BL26B000 1 1 BACKUP ALARM RESET**  
 Backup alarm to automatically reset to on if alarm was manually canceled using the control panel alarm cut-off switch (FL25) during previous use.

**BL32A000 1 1 OEM AM/FM/CD PLAYER SHALL BE PROVIDED BY THE OEM MANUFACTURER**  
 OEM AM/FM/CD player shall be provided by the OEM manufacturer on all Horton supplied chassis.

10/15/2013

**C CONVERSIONS**



Year: 2014  
 Chassis: Ford Type III, 158"WB, 100"  
 Model: 553C

**Option Std Qty Header/Description/Data**

CA580000 0 1 **CONVERSION MODEL: 553C Type III SUPER DUTY E-450:**

MINIMUM BODY DIMENSIONS:  
 (Exterior)  
 -Height: 89"  
 -Width: 96"  
 -Length: 169"  
 (Interior)  
 -Height: 72"  
 -Aisle: 20"  
 -Width: 20" (from edge of cot in wall position to squad bench riser)  
 -Length: 165"  
 OVERALL DIMENSIONS (Including Chassis, Module and Step):  
 -Height: 112" (to top of vent)  
 -Width: 100"  
 -Length: 268.5"

3/6/2015

CA580001 1 1 **553C STREETSIDE FORWARD:**

Clear Door Opening: 18.2" wide x 79.1" high  
 Actual Dimension: 22.0" wide x 82.1" high x 20.3"  
 This area shall be accessed through a single outside hinged door.  
 The compartment shall house the vehicle's primary O2 cylinder. The compartment shall be vented to the outside.

3/5/2015 !!! COMPARTMENT TO BE 21" DEEP ILOS

!!! FABRICATE COMPARTMENT FROM DIAMOND PLATE

0 1 **SWEEP OUT COMPARTMENT FLOOR MODIFICATION**

cb03so00 Compartment floor is to be sweep-out style.

3/5/2015 !!! FLOOR OF COMPARTMENT TO BE DA SMOOTH ALUMINUM

0 1 **SHELF FOR LED LIGHTED VERTICAL COMPARTMENT**

dr08I000 A diamond plate adjustable shelf shall be installed in the following location.

3/5/2015 Locate: RIGHT SIDE OF DIVIDER ABOVE O2 ACCESS

0 1 **DIVIDER FIXED, VERTICAL COMPARTMENT**

dr11a000 Install a 16" deep fixed vertical divider shall be installed in the location listed below. (Divider material is to match the compartment material)

3/5/2015 Locate: 11.5" FROM RIGHT WALL



Year: 2014  
 Chassis: Ford Type III, 158"WB, 100"  
 Model: 553C

Option Std Qty Header/Description/Data

- CA580002 1 1 553C STREETSIDE INTERMEDIATE:**  
 Clear Door Opening: 49.2" wide x 26.3" high  
 Actual Dimension: 51.5" wide x 29.5" high x 20.3"  
 This area shall be accessed through double, outside hinged doors.  
 Both doors shall have exterior door handles and latching devices.  
 3/5/2015 !!! COMPARTMENT TO BE 21" DEEP ILOS  
 !!! FABRICATE COMPARTMENT FROM DIAMOND PLATE  
 !!! INSTALL ALL HORTON ADD-ON ELECTRICAL EQUIPMENT TO THE LEFT OF THE VERTICAL DIVIDER.
- 0 1 **SWEEP OUT COMPARTMENT FLOOR MODIFICATION**  
 cb03so00 Compartment floor is to be sweep-out style.  
 3/5/2015 !!! FLOOR OF COMPARTMENT TO BE DA SMOOTH ALUMINUM
- 0 1 **SHELF FOR LED LIGHTED DOUBLE DOOR COMPARTMENT**  
 dr09lb00 A diamond plate adjustable shelf shall be installed in the area listed below.  
 3/5/2015 Locate: RIGHT SIDE OF DIVIDER
- 0 1 **DIVIDER FOR PROTECTION OF ELECTRICAL EQUIPMENT**  
 dr11c000 A vertical divider shall be installed to isolate the electrical equipment from the remainder of storage in the compartment.  
 3/5/2015 Locate: 13" FROM THE LEFT HAND WALL. (ENOUGH ROOM FOR AN INVERTER TO BE INSTALLED BY DEALER).
- 0 1 **EXPANDED METAL CAGE FOR PROTECTION OF EQUIPMENT**  
 dr11ca00 Install an expanded metal cage around the onboard electrical equipment per location noted below. Include access ports to equipment with grip lock around the edges of the openings.  
 3/6/2015 Locate: FOR ELECTRICAL EQUIPMENT TO THE LEFT OF THE VERTICAL DIVIDER.
- CA580004 1 1 553C STREETSIDE REAR:**  
 Clear Door Opening: 32.0" wide x 54.3" high  
 Actual Dimension: 37.4" wide x 57.5" high x 20.3"  
 This area shall be accessed through double, outside hinged doors.  
 Both doors shall have exterior door handles and latching devices.  
 3/5/2015 !!! COMPARTMENT TO BE 21" DEEP ILOS  
 !!! FABRICATE COMPARTMENT FROM DIAMOND PLATE.
- 0 1 **SWEEP OUT COMPARTMENT FLOOR MODIFICATION**  
 cb03so00 Compartment floor is to be sweep-out style.  
 3/5/2015 !!! FLOOR OF COMPARTMENT TO BE DA SMOOTH ALUMINUM



Year: 2014  
 Chassis: Ford Type III, 158"WB, 100"  
 Model: 553C

**Option Std Qty Header/Description/Data**

- 0 1 **COMPARTMENT HEIGHT Modify: first, street side**  
 cb040000 The height of the standard compartment for this model shall be modified. This is the first street side compartment height modification and shall include affected modifications to the interior cabinet.  
 3/5/2015 Height Modification: INCREASE 8"
- 0 2 **SHELF FOR LED LIGHTED DOUBLE DOOR COMPARTMENT**  
 dr09lb00 A diamond plate adjustable shelf shall be installed in the area listed below.  
 3/5/2015 Locate:
- CA580005 1 1 **553C CURBSIDE REAR:**  
 Clear Door Opening: 22.1" wide x 79.1" high  
 Actual Dimension: 26.2" wide x 82.1" high x 20.3"  
 This area shall be accessed through a single outside hinged door.  
 3/5/2015 !!! COMPARTMENT TO BE 21" DEEP ILOS  
 !!! FABRICATE COMPARTMENT FROM FLAT ALUMINUM
- 0 1 **SWEEP OUT COMPARTMENT FLOOR MODIFICATION**  
 cb03so00 Compartment floor is to be sweep-out style.  
 3/5/2015 !!! FLOOR OF COMPARTMENT TO BE DA SMOOTH ALUMINUM
- 0 2 **SHELF FOR LED LIGHTED VERTICAL COMPARTMENT**  
 dr08l000 A diamond plate adjustable shelf shall be installed in the following location.  
 3/5/2015 Locate: RIGHT SIDE OF DIVIDER WITH BOTTOM SHELF LOCATED 40" ABOVE COMPARTMENT FLOOR
- 0 1 **DIVIDER FIXED, VERTICAL COMPARTMENT**  
 dr11a000 Install a 16" deep fixed vertical divider shall be installed in the location listed below. (Divider material is to match the compartment material)  
 3/5/2015 Locate: 12" FROM RIGHT WALL
- CA580006 1 1 **553C CURB SIDE, FRONT:**  
 Clear Door Opening: upper 22.1" wide x 65.0" high  
 lower 22.1" wide x 12.6" high  
 Actual Dimension: upper 27.2" wide x 65.0" high x 28.5" deep  
 lower 27.2" wide x 12.6" high x 20.3" deep  
 This area shall be accessed through two outside hinged doors and from an opening located on the curb side forward wall. The upper area shall be primarily used for storage of customer furnished jump kits, the lower area for the storage for two batteries on a roll out tray.  
 3/5/2015 !!! FLOOR OF COMPARTMENT TO BE DA SMOOTH ALUMINUM.

# Selected Feature List 11854



Year: 2014  
Chassis: Ford Type III, 158"WB, 100"  
Model: 553C

**Option Std Qty Header/Description/Data**

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**CAB90000 0 1 LE Package**

This unit will receive LE style insulation package and double bolt tie-down style mounts ilos. See below.

3/5/2015 Sales note: You must delete CB09SAA0 and DH000000.  
You must add CB09SAA0 and DH000001.

**CAB93AF0 0 1 KKK-A-1822F CERTIFICATION LABEL**

The vehicle shall have weight/payload, electrical load and KKK-A-1822F certification stickers installed in the O2 compartment.

3/5/2015

**CB BODY MODIFICATIONS/OPTIONS**

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**CB030000 0 2 MODULE HEAD ROOM, INCREASE FROM STANDARD (PER INCH)**

The standard module body headroom shall be increased from standard per the quantity listed below. The quantity represents inches and must be in increments of 2".

9/25/2013 HEADROOM REQUIRED: 74"

**CB09SAA0 0 1 LE style insulation package**

Install LE style insulation package ILOS.

3/5/2015

**CBSP0001 0 1 SPECIAL INSTRUCTION, BODY MODIFICATIONS**

4/16/2013 !!! NOTCH STREETSIDE WHEEL HOUSE FOR TIP OUT SHARPS WASTE PER DRAWING.

**D MODULE BODY HARDWARE**

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**DG050000 1 1 WINDOWS, REAR MODULE BODY ENTRY DOORS**

The rear module entry doors shall have solid windows. The side entry door shall have a sliding window.

7/15/2013



Year: 2014  
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 Model: 553C

**Option Std Qty Header/Description/Data**

DG060000 1 1 **WINDOW, SLIDING FOR SIDE ENTRY DOOR**  
 The side entry door shall have a sliding window.  
 7/15/2013

DG080000 1 1 **EMERGENCY DOOR RELEASE MECHANISM**  
 Install standard emergency release knobs on top and bottom of rear module entrance doors.

DH000001 0 1 **Double bolt tie-down style body mounts**  
 Install tie down style body mounts.  
 3/5/2015

DH03B000 1 1 **MIRROR STAINLESS STEEL SPLASH SHIELDS**  
 Install #8 mirror stainless splash shields on the lower front face of the body just behind the cab access doors. These splash shields are to be the same height as the diamond plate front corner guards.  
 10/15/2013

DH040000 1 1 **MODULE BODY FENDERS: stainless steel**  
 Rear wheel housings shall have stainless steel flare skirts to protect the wheel house opening and side body finish.  
 3/6/2015

DH060000 0 1 **RUB RAILS, C-Channel**  
 The lower body rub rails shall be C-channel type ILOS.  
 3/6/2015

DH330000 1 1 **REAR DOOR HOLD OPENS, GRABBER**  
 Install chrome Cast Products "Grabber" style rear door hold opens.  
 (NOTE: HOLD OPENS MUST BE RELOCATED IF TELESCOPIC LIGHTS ARE ORDERED)

DL480000 0 1 **ELECTRIC DOOR LOCKS: compartment**  
 Install power activated door locks on all exterior compartment doors. Locks to be activated by a switch at each patient area access door. Locks may be overridden by a door key. A separate lock switch will be located in the front radio console if option DL48D000 (wired to OEM locks) is not selected.  
 4/16/2013



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Option Std Qty Header/Description/Data

**DL48A000 1 1 ELECTRIC DOOR LOCKS: access doors**

Install power activated door locks on all patient area access doors. Locks to be activated by a switch at each patient area door, and controlled with the access door locks. Locks may be overridden by a manual slide lever or by the door key. A separate lock switch will be located in the front radio console if option DL48D000 (wired to OEM locks) is not selected.

1/14/2013

**DL48B000 0 1 ELECTRIC DOOR SWITCH: concealed**

Install a concealed switch on the exterior of the vehicle to operate the power door lock circuit. Doors shall be wired to unlock only on this circuit.

9/25/2013 LOCATE: REAR LICENSE PLATE BRACKET - UPPER LEFT CORNER

**DL48D000 0 1 ELECTRIC DOOR LOCKS WIRED TO OEM SWITCHES**

The module door locks and compartment locks (if ordered) are to be wired to the chassis door lock switches.

1/14/2013

**DLH40000 0 1 RECESSED LICENSE PLATE BRACKET**

A Cast Products #LP0002 recessed license plate bracket shall be installed per the attached drawing. The bracket will include lighting in the top to illuminate the license plate.

7/28/2014 LOCATE: CENTERED UNDER THE REAR ENTRY DOORS

**DM100000 1 1 REFLECTORS:**

All patient compartment entry doors shall have red reflectors in the lower corner.

**DR220000 1 1 RUBBER MATTING IN EXTERIOR COMPARTMENTS**

Ribbed rubber matting will be installed on the floor and shelves of all exterior compartments.

7/28/2014

**DR23A000 1 1 RUBBER COVERED WALLS IN BACKBOARD COMPARTMENT**

The interior of the backboard compartment is to be covered with rubber matting to protect equipment stored in this area.

7/28/2014 COLOR: BLACK





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Option Std Qty Header/Description/Data

**E PAINT AND STRIPING**

ED010000 1 1 **CHASSIS PAINT: standard white**  
 Chassis color to be standard white.

ED040000 1 1 **MODULE PAINT: standard white**  
 Paint module standard white Sikkens #FLNA4002.

10/15/2013  
 !!! SAND AND POLISH BODY.

**F INTERIOR CABINET DOORS, HANDLES & HARDWARE**

FE010000 1 1 **FULL HEIGHT PULL HANDLES ON SLIDING PLEXIGLAS DOORS**  
 All sliding cabinet doors to have full length pull handles.

FE01FT00 1 1 **LATCH, HINGED DOOR: Southco flush stainless steel pull style**  
 Install stainless flush mount Southco pull latches on the hinged interior cabinet doors.

FE02A000 1 1 **PLEXIGLAS COLOR: light tint**  
 All Plexiglas doors to be light tint.

FE060000 1 1 **STAINLESS STEEL COUNTER TOPS (STANDARD)**  
 Stainless steel pan formed counter tops shall be installed in the patient area.

6/26/2013

FE07A000 0 1 **STAINLESS STEEL-INHALATION AREA WALLS:**  
 The rear and side walls bordering the inhalation area are to be covered with brushed stainless steel.

5/19/2014



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**Option Std Qty Header/Description/Data**

**FE08ST00 1 1 INHALATION PANEL (STANDARD):**  
 The inhalation panel is to be fabricated from composite material and covered with Formica to match to color selected.  
 7/15/2013

**G INTERIOR COLORS, UPHOLSTERY AND SEATING**

**GF01R000 0 1 INTERIOR COLOR SCHEME: Custom**  
 Interior colors are as follows:  
 10/1/2014 FLOOR: LONCOIN FLECKSTONE BLACK ONYX 150  
 RISERS: WHITE  
 WALLS: WHITE  
 CABINETS: COMPOSITE WHITE  
 UPHOLSTERY: EVS BLACK  
 !!! ALL CUSHIONS ARE TO BE EVS VACUUM FORMED, HOPS CUSHIONS TO BE STD. CONSTRUCTION.  
 !!! ALL VACUUM FORMED SEAT CUSHION UPHOLSTERY TO BE ATTACHED USING VELCRO. USE STANDARD FASTENERS FOR BACKRESTS AND HEAD PADS.  
 CLOSE-OUTS TO BE COVERED IN MATCHING VINYL AND INSTALLED PER HORTON STANDARD.

**GF02P000 1 1 RISERS:**  
 The interior of this vehicle is to contain no wood or wood products. The risers are to be made of reinforced structural composite board covered with Formica per the color description. Formica will not be installed on the risers if stainless steel riser options are selected.  
 9/25/2013

**GK12B200 0 1 HIGH BACK ATTENDANT SEAT WITH 3-POINT HARNESS**  
 Delete the boxed in attendant seat cushions. Install an EVS seat with 3-point restraint. The seat to be adjustable front to rear.  
 7/18/2014 !!! EVS VACUUM FORMED SEAT ILOS. BLACK COLOR.  
 !!! INSTALL ON A 4" WIDER THAN STANDARD TOP PLATE. SHIFT ATTENDANT SEAT 4" INBOARD.

**GK140000 1 1 SEAT BELTS:**  
 Install standard seat belt package for use with HOPS.  
 9/26/2013 !!! DELETE THE CURBSIDE FORWARD 3-POINT HARNESS DUE TO A-BAR. INSTALL 3-POINT HARNESS AT THE CURBSIDE REAR, AND CPR SEAT LOCATIONS.



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Option Std Qty Header/Description/Data

**H INTERIOR CABINETRY, STREET SIDE**

**H4 INTERIOR CABINETRY, STREET SIDE, COMPOSITE**

All cabinetry to be fabricated from aluminum composite material.

3/6/2015 Color: White

**HK000000 1 1 LINEN CLOSET**

Install a vertical storage cabinet behind the attendant seat. The upper storage area shall house the primary electrical distribution area. The lower section shall be used for miscellaneous storage. Each area shall be accessed through hinged doors. The electrical distribution area shall include a Southco key lock/latching device. The entire cabinet shall be fabricated from aluminum and shall then be painted, unless otherwise specified.

9/24/2013

**HK001000 1 1 HOPS SYSTEM:**

The unit is to be equipped with the HOPS system.

10/15/2013

**HK001B00 1 1 RADIUS STYLE CABINET TRIM**

Install smooth 1.5" radiused trim on all applicable interior cabinets.

**HK01B000 1 1 STREETSIDE WALL WITH CPR SEAT**

Street side wall to have CPR configuration. All cabinets over 14"H will include (1) standard adjustable shelf.  
 SEE DRAWINGS

3/6/2015 CONFIGURE: STREETSIDE CABINETS TO BE 18" DEEP.

- !!! COMPOSITE CABINETS FOR 553 PE SERIES.
- !!! CPR SEAT TO BE 30" WIDE.
- !!! INHALATION CABINET TO INCLUDE A CENTER FIXED DIVIDER WITH ONE ADJUSTBLE SHELF ON EACH SIDE OF THE DIVIDER.
- !!! SHORTEN INHALATION PANEL 18", (1) O2 OUTLET, SSCORT CONTROLS, SWITCH PANEL AND ROOM FOR TWO-WAY RADIOS. (MUST MAINTAIN AT LEAST 12" BETWEEN O2 OUTLETS AND ELECTRICAL RECEPTACLES.)
- !!! SUCTION OUTLET AT FORWARD END OF INHALATION WALL - 6" FROM FRONT WALL.
- !!! CABINET UNDER REAR MONITOR SHELF TO BE ENLARGED AS PER PRINTS WITH A BOTTOM HINGED DOOR. INSTALL CABLE FOR 45 DEGREE OPENING.
- !!! DELETE THE STD SHARPS & WASTE IN THE ACTION AREA COUNTER TOP.

# Selected Feature List 11854



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Option Std Qty Header/Description/Data

HK02LU00 0 1 **STORAGE BENEATH THE CPR SEAT**  
A trimmed storage area shall be accessed by raising the hinged side attendant seat base cushion.  
7/28/2014 !!! INCLUDE A 1/2" CPR SEAT CUSHION OVERHANG.

HK02LU10 0 1 **RECESSED PADDLE LATCH FOR ACCESS BELOW THE CPR SEAT CUSHION**  
A recessed paddle latch will be installed in the cabinet riser to provide access to the CPR seat storage area.  
6/26/2013

HK02LU20 0 1 **GAS HOLD OPEN FOR LIFT UP CPR SEAT CUSHION**  
A gas holdopen shall be installed to keep the CPR seat cushion in the upright position when opened.  
1/11/2013

HK160000 0 1 **EXTRA SHELF: Interior**  
Install an additional adjustable shelf.  
3/6/2015 Locate: CABINET ABOVE THE INHALATION AREA - SEE PRINTS

HK16A000 0 1 **DIVIDER: Interior**  
Install a cabinet divider as noted below.  
3/6/2015 Locate: CABINET ABOVE THE INHALATION AREA - SEE PRINTS

**1 INTERIOR CABINETS AND SQUAD BENCH, CURB SIDE**

IA200000 1 1 **SQUAD BENCH STORAGE:**  
Storage shall be provided under the bench cushions. The area shall run where possible under the bench. The storage pan shall be fabricated from aluminum and shall be accessed by raising the split cushions.  
7/28/2014 !!! VACUUM FORMED CUSHIONS.  
!!! INCLUDE A 1/2" BENCH SEAT OVERHANG.  
!!! INSTALL PIECE OF STAINLESS STEEL BEHIND SQUAD BENCH AND CPR SEAT INSTEAD OF FLOOR COVERING MATERIAL.



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Option Std Qty Header/Description/Data

IG10A000 1 1 **BENCH HOLD OPENS: gas**  
Install gas spring hold opens on squad bench lid.

IG10Q000 1 1 **BENCH HOLD-DOWN: paddle latches (Pair)**  
Install recessed paddle latches into the squad bench riser to retain the squad bench lids in the closed position. The latches shall be both passive and positive.

IG15B000 1 1 **BENCH BACK CUSHION: full size**  
Delete individual squad bench back cushions. Install full size cushion.

5/20/2014

IK18AA00 1 1 **CURBSIDE OVERHEAD CABINET: hinged doors**  
Storage shall be provided above the squad bench. The storage shall run the full length of the squad bench and shall be accessed through hinged Plexiglas doors that are held in the open position with gas activated rods. The entire cabinet shall be fabricated from aluminum. The cabinet is to be 9" H to meet current K requirements.

3/5/2015 !!! INSTALL (2) HINGE-UP DOORS PER DRAWING.  
!!! NOTE 02 OUTLET AT FORWARD END OF CABINET.

IK18Y000 0 1 **CABINET DIVIDER:**  
Install a cabinet divider as noted below.

3/6/2015 Locate: CURBSIDE OVERHEAD CABINET - FIXED CENTER DIVIDER PER DRAWINGS.

ISP00001 0 1 **SPECIAL INSTRUCTION, CURBSIDE CABINETRY**

7/28/2014 INSTALL A 1/4" ALUMINUM PLATE AT THE HEAD END OF THE SQUAD BENCH FOR POSSIBLE DEALER INSTALLATION OF AN 'A' BAR.

**J INTERIOR CABINETS, FRONT**

JAK03000 1 1 **FRONT WALL CABINET:**  
The front wall cabinet shall be arranged per drawing. Additional configuration information may follow.

6/6/2014 CABINET WALL FINISH: COMPOSITE WHITE FINISH.

!!! INCLUDE (1) ADJUSTABLE SHELF IN THE UPPER SECTION.



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**Option Std Qty Header/Description/Data**

**JAK03G00 0 1 GLOVE STORAGE ABOVE FRONT WALL CABINET**

Storage for (2) glove boxes shall be provided in the header above the front wall cabinet. The face of the storage area will be covered in matching interior vinyl and include openings for access to each storage area. The header will be hinged for restocking or removal of glove boxes.

9/25/2013 !!! REDUCE CABINET HEIGHT 1" FOR THIS FEATURE.  
 DEFAULT GLOVE BOX SIZE: 10.5"L x 5.5"H x 4.5"D.

!!! INCLUDE PADDED HINGE-UP DOOR WITH OVAL ACCESS OPENINGS AND BALL CATCH LATCHES.

**JE040000 4 4 FRONT WALL DOORS: Plexiglas**

Front cabinet wall to have hinged Plexiglas doors, and latch type as designated.

8/4/2014 TYPE: PLEXIGLAS  
 LATCH STYLE: SOUTHCO

LOCATE: (2) UPPER CABINET SECTION  
 (2) LOWER 18"H CABINET SECTION.

!!! NOTE: HINGE PATTERN ON DRAWINGS (4) HINGES SO DEALER COULD CHANGE OUT THE TWO LARGE PLEXI DOORS FOR (4) DOORS (SAME HINGE PATTERN AS LOWER CABINET).

**JK040000 0 1 PULL OUT DRAWER IN FRONT WALL CABINET**

A pull out drawer will be installed in the front wall cabinet.

7/18/2014 SIZE: 6.0" HIGH ID  
 !!! INSTALL WITH BOTTOM MOUNT SLIDES.

**JK130000 1 1 CAB TO MODULE WALKTHROUGH DOOR, HINGED**

Install a recessed hinged front cabin closeout door on the right front compartment wall.

3/7/2013

**K MODULE INTERIOR ACCESSORIES AND TRIM**

**KG02B000 2 2 IV HANGER, CAST PRODUCTS WITH RUBBER ARM**

Cast products recessed IV hangers with rubber arms for attaching solution bags shall be installed in the designated locations.

7/28/2014 LOCATE: (1) OVER COT PER DRAWING.  
 (1) OVER FOOT SECTION OF BENCH, AISLE EDGE



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**Option Std Qty Header/Description/Data**

**KG09B000 1 1 CEILING GRAB RAIL: standard (2) 2ft rails or (1) 6ft rail anti-microbial**  
 Cabinet wall "A" will have (1) 6' rail over cot as standard.  
 Cabinet wall "B" will have (2) 2' rails, 1-forward and 1-to rear of  
 CPR seat.

9/25/2013 LOCATE: (1) 6 FT RAIL PER DRAWING

**KG09K000 1 1 PATIENT DOOR GRAB RAILS: angled wth anti-microbial coating**  
 All patient access doors to have heavy duty angled stainless steel  
 grab rails with smooth radius corners and flange mounting and anti-  
 microbial coating.

11/5/2013

**KG110000 1 1 FLOOR TRIM**  
 Trim floor with cove molding at non rolled areas of floor.

**KG120000 1 1 CABINET TRIM**  
 Trim all vertical and horizontal edges.

**KG16B000 1 1 CEILING MATERIAL, PLATINUM WHITE ALUMINUM COMPOSITE**  
 The standard module ceiling material shall be platinum white  
 aluminum composite.

**L COT MOUNTS AND ACCESSORIES**

9/25/2013 !!! DEMO - DO NOT INSTALL COT MOUNTS.

**MM ELECTRICAL EMERGENCY VISUAL WARNING SYSTEMS**



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Option Std Qty Header/Description/Data

**MM26B030 0 14 RED SUPER L.E.D. LIGHT, 900 SERIES**

Whelen 900 series red super L.E.D. lights shall be installed in the designated locations.

3/12/2015 Location: (6) FRONT UPPER BODY - R/R/R/W/R/R/R  
(2) CURBSIDE UPPER CORNERS  
(2) STREETSIDE UPPER CORNERS  
(2) REAR UPPER BODY CORNERS  
(2) REAR FACE, WINDOW LEVEL

LENS COLOR: CLEAR

!!! WARNING LIGHT FLASH PATTERN - FESCO RANDOM FLASH PATTERN

**MM26F030 0 2 RED SUPER L.E.D. LIGHT, 700 SERIES**

Whelen 700 series red super L.E.D. lights shall be installed in the designated locations.

3/12/2015 Location: OVER EACH REAR WHEEL  
Lens color: CLEAR

**MM26H030 0 1 WHITE SUPER L.E.D. FRONT KKK LIGHT, 900 SERIES**

A Whelen white 900 series super L.E.D. light shall be installed in the front face of body.

3/12/2015 Locate: CENTERED ON FRONT FACE PER DRAWING

**MM26R030 0 1 AMBER SUPER L.E.D. KKK REAR LIGHT, 700 SERIES**

(1) AMBER series 700 super L.E.D. light to be mounted centered on rear face of modular body.

3/12/2015 Lens color: CLEAR

**MM26SA30 0 1 INTERSECTION LIGHTS, SUPER L.E.D. 700 SERIES**

Whelen 700 series Intersector super L.E.D. lights shall be installed on each fender.

3/12/2015 LOCATION: FRONT FENDERS  
LENS COLOR: CLEAR

**MM800000 0 1 WHITE LIGHT CUTOFF SWITCH**

A switch shall be installed in the front control panel that will deactivate all forward facing white flashing lights. This include wig-wag flashers if ordered.

7/18/2014





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Option Std Qty Header/Description/Data

**MMSP0010 0 1 SPECIAL INSTRUCTION, VISUAL EMERGENCY WARNING SYSTEMS**

6/6/2014 !!! INSTALL A PRE-WIRE FOR A DEALER INSTALLED OPTICOM. TERMINATE BEHIND THE CLOSE-OUT OVER THE WALK-THROUGH.  
!!! INCLUDE FRONT CONTROL PANEL SWITCH. WIRE THROUGH THE NEUTRAL SAFETY SWITCH.

**MMSP0060 0 1 SPECIAL INSTRUCTION, VISUAL EMERGENCY WARNING SYSTEMS**

6/6/2014 !!! INSTALL (4) WHELEN ION GRILLE LIGHTS WITH CHROME HOUSINGS.  
LOCATE: (2) RED IN UPPER GRILLE. (#WIONSMCR)  
(2) WHITE IN LOWER GRILLE. (#WIONSMC)  
!!! PROGRAM FOR "X" PATTERN FLASH.

**MN AUDIBLE EMERGENCY WARNING SYSTEMS**

**MN35B000 0 1 SIREN: 295SLSC1**

Specified siren to be:  
WHELEN WS295SLSC1

3/6/2015

**MN40A000 1 1 SIREN INSTALL:**

The siren listed above shall be supplied and mounted as defined.

**MN45BA00 1 1 SIREN SPEAKERS, C.P. 3801 FOR FORD E SERIES**

Cast Products #SAD3801-08E35-1 & #SAP3801-08E35-1 siren speakers will be install in each outboard end of the chassis bumper.

**MN50A000 1 1 SPEAKER INSTALL: bumper**

Speaker Selections (Bumper Installed)

3/4/2013

**O LIGHTS**



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Option Std Qty Header/Description/Data

**OL34L000 1 1 LED EXTERIOR COMPARTMENT LIGHTING**

All exterior compartments will be lighted with LED strip lighting. A vertical strip will be installed inside both sides of each compartment. The lights shall be directed toward the back of the compartment.

9/25/2013

**OL350000 0 1 ICC MARKER LIGHTS**

LED ICC marker lights shall be installed.

10/15/2013 !!! INSTALL TECNIQ LED ICC LIGHTS.

**OM25AA00 0 4 SIDE SCENE LIGHTS, 900 SERIES, LED**

Install Whelen 900 series #9SCOENZR side scene lights.

3/12/2015 Locate:TWO EACH SIDE

!!! NOTE, THERE IS A HEAT SINK ON THE BACK SIDE OF THESE LIGHTS. THEY ARE NOT A SURFACE MOUNT.

**OM25DD00 0 2 LOAD LIGHTS WHELEN 900 SERIES LED**

Rear load lights to be (2) Whelen #9SCOENZR LED lights.

3/12/2015

**OM30EL00 0 1 ARROW LIGHT, 900 SERIES L.E.D.**

One pair of Whelen L.E.D. 900 series 'Arrow' turn signals, with flange shall be installed on the rear of the vehicle.

3/12/2015 Locate: ON REAR PANELS ABOVE ADP KICKPLATE - EVEN WITH DOOR HANDLES

LENS COLOR: AMBER

**OM30L800 0 1 TAIL LIGHTS, 600 SERIES L.E.D. WITH LED REVERSE**

(1) set of Whelen 600 series L.E.D. lights shall be installed on the rear of the vehicle as designated. They shall include L.E.D. stop/tail, turn and backup lights.

3/12/2015 Locate: THE BACK-UP AND STOP LIGHTS IN RISER AS PER DRAWINGS.  
 DELETE THE TURN ARROWS

**OSP00005 0 1 ELECTRICAL LIGHTING, SPECIAL INSTRUCTION**

3/12/2015 !!! KKK SIDE BODY MARKER LIGHTS - INSTALL TWO (2) WHELEN 600 RED L.E.D. TURN/MARKER LIGHTS ON EACH REAR SIDE OF THE MODULE BODY. LIGHTS PROVIDE MODULE BODY NIGHT TIME SIDE LIGHTING VISIBILITY AND TURNING SIGNAL INDICATION.



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Option Std Qty Header/Description/Data

**P ELECTRICAL POWER GROUP**

**PAL00003 0 1 INTELLIPLX MULTIPLEX ELECTRICAL SYSTEM:**  
 Install the Intelliplx Multiplex electrical system.  
 7/18/2014 !!! REAR CONTROL PANEL SWITCHES TO DEFAULT TO 'OFF' UPON BATTERY SWITCH ACTIVATION.

**PAL00A00 0 1 MODULE DISCONNECT DEFAULT**  
 The module disconnect circuit shall default to the "on" position when the battery switch is activated.  
 3/5/2015

**PAL01C00 0 1 INPOWER ELECTRONIC BATTERY SWITCH, INTELLIPLX**  
 Install an Inpower electronic battery switch. Switch is to activate battery power through the vehicle ignition and is to include an automatic shutdown timer to deactivate battery power after the ignition is turned off.  
 1/11/2013 SHUT DOWN TIMER INTERVAL: 5 MINUTES

**PAL02000 1 1 INVERTER PREWIRE OPTIONS:**  
 7/10/2013

**0 1 INVERTER PREWIRE: 20-1050CUL w/charger, on demand**  
 pal02h00 Furnish wiring only to the designated electrical equipment location to power a Vanner 20-1050CUL inverter. This inverter uses "On Demand" operation and no switch or wiring for a switch is installed. Charger portion of unit will be wired to shoreline circuit.  
 Inverter is not included in this option.  
 9/25/2013 LOCATE: STREETSIDE INTERMEDIATE ELECTRICAL AREA.

**PAL04D00 1 1 CHARGER/POWER SUPPLY: 45 AMP**  
 Install a 45 amp battery conditioner in the designated electrical equipment area. Conditioner to be wired to the batteries through the standard shoreline inlet.  
 9/25/2013 LOCATE: STREETSIDE INTERMEDIATE ELECTRICAL AREA.



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Option Std Qty Header/Description/Data

**PAL30A00 2 3 110V INTERIOR OUTLET**

Two 110V interior outlets are provided as standard on all models. The standard locations are in the inhalation area and the wall over the squad bench. List the standard outlet locations and any deviation from the standard, plus any additional outlet locations below:

8/4/2014 LOCATE: (1) INHALATION AREA -SEE PRINTS.  
 (1) OVER TELEMETRY COUNTER - SEE PRINTS.  
 (1) FRONT WALL CABINET, MID-SECTION OF UPPER CABINET LEFT SIDE - SEE PRINTS.

**PAL31C00 3 2 INTERIOR 12VDC OUTLETS: cigarette lighter type**

12 volt outlets to use cigarette lighter style connectors.

8/4/2014 LOCATE: (1) INHALATION AREA - SEE PRINTS.  
 (1) FRONT WALL CABINET, MID-SECTION OF UPPER CABINET - SEE PRINTS.

CONFIGURE: BATTERY HOT.

**PAL38C00 0 1 SHORELINE: 20 amp eject**

Install a 20 amp Kussmaul auto ejection shoreline receptacle. Include a dynamic disconnect.

3/5/2015 LOCATE: STREET SIDE MODULE BODY WITH WHITE COVER AND AN E-Z PLATE

**PAL38Q00 0 1 EZ PLATE**

Install the shoreline using a Kussmaul EZ Plate.

3/5/2015

**PAL40000 1 1 EXTRA 12VDC CIRCUIT BREAKER:**

An extra circuit breaker shall be installed.

**PL10A000 1 1 SWITCH PANEL MOUNT:**

Switch panel to be flush mounted in upper face of console.

**PL11A000 0 1 LIGHT PROGRAMMING: side rear scene**

The side rear scene lights shall be wired to transmission reverse, plus standard mode of operation.

10/17/2012



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Option Std Qty Header/Description/Data

- PL11B000 0 1 LIGHT PROGRAMMING: right side scene**  
 The right side scene lights shall come "on" when the side patient door is opened.  
 10/17/2012
- PL11C000 0 1 LIGHT PROGRAMMING: load light**  
 The rear load lights shall be wired to transmission reverse, plus the standard mode of operation.  
 10/17/2012
- PL11F000 1 1 PROGRAMMING: AUDIBLE LOW VOLTAGE ALARM**  
 Program an audible alarm to activate if the voltage drops below 11.8 volts for 120 seconds.
- PL11G000 1 1 LIGHT PROGRAMMING: park brake**  
 A warning shall display on the front console readout, advising to set the Parking Brake, should the modular disconnect switch be "ON" and the transmission placed in "PARK" or "NEUTRAL". It will also advise to Disengage the Parking Brake should the vehicle be placed into gear.  
 9/25/2013 CONFIGURE: WIRE ALARM TO ACTIVATE WITH RED FLASHER CIRCUIT.
- PL190000 0 1 REPORT LIGHT:**  
 A report light shall be located at the action wall to light the counter area  
 3/6/2015 !!! ILOS LIGHT TO BE #E13-WSOR-1 RED/WHITE LIGHT.
- PL22C000 1 1 STEP WELL LIGHT:**  
 Install a 10.5" LED Vista light strip in the standard location on the bench side of the step well. Light to activate with door open.  
 3/5/2015 !!! INSTALL A VISTA LED STEP LIGHT - SEE PRINTS.  
 DOOR STRIKER SIDE OF SIDE ENTRY DOOR, HORIZONTAL, UPPER SECTION OF DIAMOND PLATE STEPWELL - SEE PRINTS.
- PL24T000 0 1 LAMP TIMER: programmable**  
 Install an electronic momentary touch timer switch where specified. The switch will enable time limited operation of the below listed lights, with the battery switch in the off position.  
 7/18/2014 LOCATE: CURBSIDE SIDE ENTRY DOOR PANEL.  
 LIGHT(S) CONTROLLED: DOME LIGHTS.  
 SET ELAPSED TIME FOR: 15 MINUTES



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Option Std Qty Header/Description/Data

**PL27CA00 0 8 PATIENT CEILING DOME LIGHTS: WHELEN LED**

Install Whelen 80COEHCR LED dome lights in the patient area ceiling per the locations listed below. The lights will have a high/low feature with the switch in the rear control panel.

3/12/2015

Locate: LOCATE PER DRAWING

**PSP00002 0 1 SPECIAL INSTRUCTION, ELECTRICAL POWER, PROGRAMMING**

6/6/2014 !!! INSTALL CLOCK PRE-WIRE CENTERED BEHIND THE CLOSE-OUT OVER THE REAR ENTRY DOORS.

**Q HEATING, AIR CONDITIONING AND INTERIOR ENVIRONMENT**

**QH29E100 1 1 HEAT/AC SYSTEM FORD E SERIES CHASSIS**

Install a ProAir Pre-charged 12V heat/AC system below the attendant seat. Unit is to include a replaceable carbon filter at the air intake point.

4/16/2013

**QL43N000 1 1 NFPA COMPLIANT VENTING-CAST VENTS**

Install an NFPA style venting system to include a 400cfm exhaust vent along with a static vent. Install 9.5" square polished covers on both vents per drawings.

3/5/2015 !!! DO NOT PAINT EXTERIOR VENT COVERS - CAST ALUMINUM

**R CAB CONSOLE AND COMMUNICATIONS**

7/15/2013

**RJ01A000 1 1 ANTENNA COAX 1:**

An RG 58U coax shall be installed so that the ambulance conversion need not be disassembled.

9/25/2013 EXTERIOR TERMINATION: FRONT CENTER OF MODULE ROOF  
INTERIOR TERMINATION: CONSOLE



Year: 2014

Chassis: Ford Type III, 158"WB, 100"

Model: 553C

**Option Std Qty Header/Description/Data**

- RJ01B000 0 1 **ANTENNA COAX 2:**  
 Install additional antenna coax and accesses.  
 7/28/2014 EXTERIOR TERMINATION: CENTER OF MODULE ROOF  
 INTERIOR TERMINATION: BEHIND PASSENGER SEAT
  
- RJ01C000 0 1 **ANTENNA COAX 3:**  
 Install additional antenna coax and accesses.  
 9/25/2013 EXTERIOR TERMINATION: REAR CENTER OF MODULE ROOF  
 INTERIOR TERMINATION: BEHIND INHALATION PANEL
  
- RJ040000 1 1 **RADIO CABLE PULL WIRE**  
 A standard pull wire for radio installation shall be installed from behind the driver's seat to behind the inhalation panel.
  
- RJ05A000 1 1 **FRONT CONSOLE:**  
 A console shall be fabricated to match the OEM dashboard material, color and texture. Room shall be provided on the face of the console for installation of radio and siren controls.  
 7/21/2014 !!! MAKE THE FRONT VERTICAL ALUMINUM PANEL ON THE CONSOLE A 2-PIECE PANEL WITH THE UPPER SECTION (FROM THE TOP OF THE CONSOLE EXTENSION UP) TO BE REMOVED FOR ACCESS UNDER THE SWITCH PANEL WITHOUT HAVING TO REMOVE THE CONSOLE EXTENSION ITSELF.
  
- RJ05C000 0 1 **CONSOLE EXTENSION:**  
 A box for mounting radio heads and storage maps, books, or binders will be attached to the standard engine cover console. Standard box includes (3) 2.5 storage sections, and 8.5 faceplate for radio mounting.  
 3/5/2015 !!! INCLUDE (2) CUP HOLDERS
  
- RJ05CP00 0 1 **CUP HOLDERS**  
 Install two (2) large cup holders recessed into the console per drawing.  
 3/5/2015
  
- RJ08A000 0 2 **RADIO POWER/GROUND:**  
 Install three 6 gauge cables to positive and ground studs for radio power. Wire one constant hot, one ignition hot and one ground.  
 7/28/2014 LOCATE: (1) BEHIND PASSENGER SEAT  
 (1) BEHIND THE INHALATION PANEL  
 CONFIGURE: BATTERY SWITCHED, BATTERY HOT AND GROUND



Year: 2014  
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Option Std Qty Header/Description/Data

**T OXYGEN AND SUCTION**

**TN002000 1 1 OXYGEN BOTTLE MOUNT, VERTICAL TRACK FOR QRM-V**  
 Vertical track for mounting of a QRM-V O2 bottle mount shall be welded on the back wall of the compartment in the right hand corner. The O2 bottle mount is adjustable for "M" or "H" size tanks.  
 8/4/2014 LOCATE: STANDARD LOCATION.  
 TANK SIZE: ADJUSTABLE FOR 'M' OR 'H', SET UP FOR 'H' AT DELIVERY

**TN01MW00 1 1 OXYGEN BOTTLE, CYLINDER BRACKET: Zico**  
 Zico QRM-V oxygen bracket shall be installed.  
 7/18/2014 LOCATE: STANDARD LOCATION.  
 TANK SIZE: ADJUSTABLE FOR 'M' OR 'H'. SET UP FOR 'H' AT DELIVERY.

**TN020000 0 1 OXYGEN ACCESS:**  
 A clear Plexiglas door shall be provided in the patient area wall for access to the oxygen cylinder valve. The door shall be hinged so that it swings into the oxygen cylinder storage compartment. The opening shall be trimmed with anodized aluminum edging. O.D. dimension of the access is 7" wide x 11" high.  
 9/25/2013 !!! INCLUDE SOUTHCO PULL-RING LATCH.  
 !!! DOOR TO OPEN INTO INHALATION AREA.

**TN030000 2 2 OXYGEN OUTLETS, STANDARD**  
 Two oxygen outlets to be provided as standard and located in the inhalation panel unless relocated per option TN03RL00.  
 7/11/2013

**TN03A000 0 1 OXYGEN OUTLET: additional**  
 Install additional oxygen outlet(s).  
 7/11/2013 LOCATE: OVER COT PER DRAWING

**TN03RL00 0 1 OXYGEN OUTLET: relocate**  
 Relocate (1) of the standard action area oxygen outlets to the new location listed below.  
 9/25/2013 LOCATE: FORWARD END OF BENCH OVERHEAD CABINET





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Option Std Qty Header/Description/Data

TN04A000 1 1 ADAPTER TYPE: Ohio Diamond II  
Oxygen outlets to be Ohio Diamond II.  
11/5/2013

TN060000 1 1 OXYGEN WRENCH:  
Install oxygen wrench in oxygen compartment. Mount secure so not left hanging. Mount with length of chain or cable so not removable.

TN100000 1 1 VACUUM OUTLET: inhalation wall  
A single vacuum panel shall be installed in the inhalation area. The outlet shall be of the same style as the oxygen system and hooked to the onboard vacuum pump.  
7/18/2014 !!! LOCATE ON INHALATION WALL PER DRAWING. - 6" FROM FRONT WALL.

TN11B000 1 1 ASPIRATOR: SSCOR  
Install an SSCOR aspirator. The system shall include a #22000 wall mounted regulator, and a #23002 canister holder. Plumb to the pump selected.  
7/28/2014 LOCATE: SEE DRAWINGS FOR MOUNTING LOCATION.

TN12C000 0 1 VACUUM PUMP:  
Install a CFP #107CDC20 12vdc electric suction pump.  
3/5/2015

**U LETTERING**

UP020000 0 1 LETTERING:  
No lettering included.  
10/15/2013

UP180000 1 1 DOOR REFLECTORS  
Install 2" x 12" strips of red Scotchlite at the top of each entry door placed horizontally.  
7/15/2013

# Selected Feature List 11854



Year: 2014  
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Option   Std   Qty   Header/Description/Data

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Z04        0    1 Fuel, Tags, Etc.  
                 Allowance for fuel, tags and administrative.

Authorized Department Signature(s): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Highlighting Items Exceeding KKK/Minimum Requirements and to Optimize Harsh Weather Operations

*\*\*Each of the 5 Base Model ambulances offered by Horton/Greenwood in our proposal for RFP# FCAM 2015 Ambulances are in compliance with the current KKK-A-1822F Federal Specifications for Star-of-Life Ambulance and Commonwealth of Massachusetts Department of Public Health rules and regulations for ambulances*

All third party impact, roll-over, and impact testing exceeds AMD, SAE and KKK-1822-F testing requirements. Horton has conducted the following testing:

Static Load Test – Roof – 90,000lbs\*

Static Load Test - Side – 44,000lbs

Side Body Impact – 35G of Force

Squad Bench Test – 19,500lbs

Attendant Seat Test – 9,250lbs

CPR Seat Test – 7,000lbs

Cabinet Structure Test – 145,874lbs\*\*

Head of Bench Test – 145,874lbs\*\*

Litter Retention Test – 2,500lbs

\*On 10-point mounting system

\*\*Based on side crash test with 35G of force

Third Party certified HVAC system with a superior defrosting system and A/C for rehab

Sound levels in the ambulance are significantly less than what is allowed by Federal regulations (80 dba)

All base model ambulances have floor heights that are lower than required by KKK-1822F (34")

All base model ambulances have available payload capacities that exceed K-requirements

All interior, exterior and warning lighting exceeds K requirements for light output

All Horton base models exceed the K requirements for ventilation with the standard 400CFM vents.

## Body

.125 extruded body for the heaviest duty body in the industry which offers greater durability in harsh New England road conditions.

No wood products are used in the construction of a Horton ambulance. Wood products can rot and deteriorate over time and can also harbor blood borne pathogens and bacteria. Horton uses Agion anti-bacterial coatings on all doors, handrails, counters, etc.. to resist bacteria wherever possible. These are important factors, especially in the harsh New England climates.

Rolled up and sealed flooring on all Horton base models is easier for cleaning in the harsh New England climates

Aluminum tread walking surfaces exceeds minimum for firefighter safety

Roll over air bag system (Horton Occupant Protection System or HOPS) is a benefit in harsh New England climates proving safety in case of icy road conditions that could potentially cause a roll over.

## Electrical

Horton I4G multiplexed electrical system with fewer connections that are all weather tight

All LED D.O.T. cab and body lighting package

The entire warning light package is LED, enhancing durability and safety