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**RFP # 425-11058**

**Title: Rescue Transport Unit**

**Variance / Exception List**

**5.6 – Roof Assembly.** Horton does not use any center spine extrusions. The horizontal roof extrusions shall conform to the same construction description as the vertical wall extrusions. They will, however, include an extruded drip rail as a part of the one-piece posts. Because the drip rail is a part of the post itself there will be no seams between the rail and the body above the rail. In addition there shall be drip rails installed above all body doors that are not full height. These rails shall attach via a durable adhesive. The exterior wall and roof skins shall be supported on the inside by 2" square tubing with .125" wall. These structural supports shall be strategically located at the load bearing points of the module body. The roof structural support beams shall be spaced on minimum 12" centers for adequate load support. Wall tubing of .125" thickness or less will not be acceptable.

**5.12 – Body Mounting.** Horton uses the following method. A minimum of (5) five Mounting platforms shall be attached along the outside of each chassis frame rail for a total of (10) ten. Each platform shall consist of (1) top plate of .375" thick steel and (2) side reinforcement plates made of .25" steel. There shall be a .375" full backing plate where the mount attaches to the frame rail. The plates shall be welded along all seams with a heavy continuous weld. The body substructure shall include a 1" by 3" solid aluminum tie down bar welded to each sub structure cross member. To complete the body to chassis attachment, a VI-Tech tuned mounting system shall be used. The elastomer mount shall be custom- tuned to the specific chassis type for vibration reduction, structure borne noise attenuation and to provide low profile, low frequency isolation necessary for ideal patient compartment conditions. Standard chassis furnished mounting donuts will not meet the requirements of this specification. The VI-Tech mount shall be attached to each platform by (2) .625" Grade 8 bolts with washers and locking nuts. The platform shall be attached to the chassis frame rail with (3) .625" diameter Grade 8 bolts with washers and locking nuts. The fail safe elastomer isolation mount shall then attach to the aluminum body tie down bar with a .75" diameter Grade 8 bolt, a washer, and a locking nut. The VI-Tech mounting system must have been subjected to a documented Hygee dynamic frontal impact test of at least 30 G's to verify the integrity of the mounting system in the event of a serious accident.

**5.13 – Doors.** Horton does not offer a sliding door. Standard hinged side entry door is included.

**5.14.6 – Overhead grab rail.** Horton does not offer a recessed in ceiling grab rail. Integral stanchions shall be welded into place at fixed points along the length of the rail for attachment to the ceiling. The rail shall attach through aluminum mounting plates that are welded to the module roof structure for strength and durability.

**5.18.1 – Upholstery.** Horton does not offer vacuum formed upholstery. After extensive testing, we found that vacuum formed cushions tend to rip on corners because it is heated to conform around cushions, so the material is therefore thinned out, and made weak. Horton uses a waterfall technique for all upholstery.





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**5.23.2 – Interior Cabinets.** All Horton interior cabinets are made out of aluminum, then painted to match the interior. Therefore we do not need to line each cabinet with plastic laminate. Horton has an all aluminum modular cabinet design. Aluminum, a minimum of .063" thickness, is required over wooden cabinetry due to its lighter weight, greater durability, and the ease with which it can be decontaminated. The main cabinet wall shall be of modular construction. All individual cabinets shall be of welded construction. To insure the safety of patients and attendants in the rear of the vehicle, the main cabinet wall installation shall have been tested to a minimum frontal impact of 30 G's per the requirements of the Safety Certification section of this specification. The main cabinet wall may not be constructed of any wood or wood product. Wooden cabinetry can warp, expand, contract, splinter, separate, or crack. Wood will also harbor blood borne pathogens whereas aluminum can be easily cleaned. Aluminum will remain stable and securely mounted (no fibers to compress) over many years and miles of continuous service. For these reasons, wooden cabinets, even when laminated with another material, will not be acceptable.

**9.6 – Vehicle mounted radiation detection system.** Contacted Fluke, and this system is no longer available.

**10.4 – Vehicle Paint.** – Horton only offers a (4) year non pro-rated paint warranty.

**5.43 – On Board Computer System.** – Cannot find a system that has all these options.

