

# LifeSpan Product Specification - Rails



## EQUIPMENT MANAGEMENT RAIL SYSTEM

### Contractor Furnished and Installed (CFI)

#### 1.0 GENERAL

- 1.1 The Equipment Management Rail System as shown on drawings and specified herein shall be as manufactured by Lifespan Healthcare. The system shall provide a means to support and secure hospital medical equipment such as monitors, infusion pumps, flow-meters, regulators, medical gas outlets, etc., by utilizing a snap-action adaptor that allows easy repositioning of equipment by the nursing staff.
- 1.2 The system shall be contractor furnished and installed in strict accordance to the drawings contained herein and Lifespan installation instructions. The installing contractor shall be responsible for compliance with all local, state and federal codes that may be applicable to this installation.

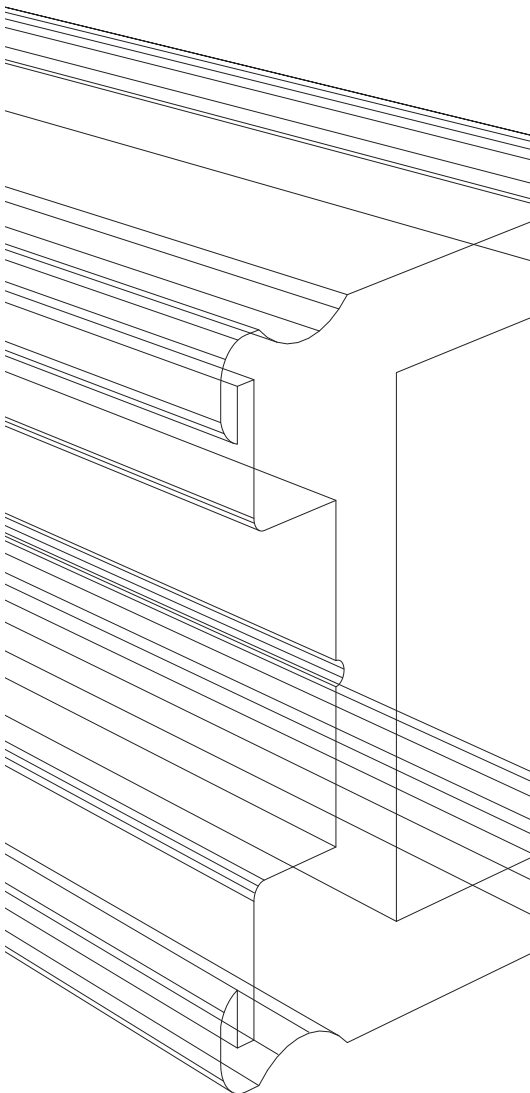
#### 2.0 SUBMITTALS

- 2.1 Shop drawings for approval shall be submitted in accordance with other sections of the general specifications.
- 2.2 The Equipment Management Rail System manufacturer shall submit within 30 days of contract award, complete and detailed shop drawings showing all items in plan and elevation. Drawings shall show all dimensions relating to the system and its installation in relation to the structural wall and backing details as shown on drawings.
- 2.3 Manufacturing shall not be started until final approved drawings by the Architect are received.
- 2.4 Color of decorative inlay shall be as selected by architect or hospital representative from manufacturer's standard line. Color or cross reference charts shall be provided as part of the submittal.
- 2.5 Manufacturer reserves the right to provide the system with improvements in design and/or material at time of manufacturing.

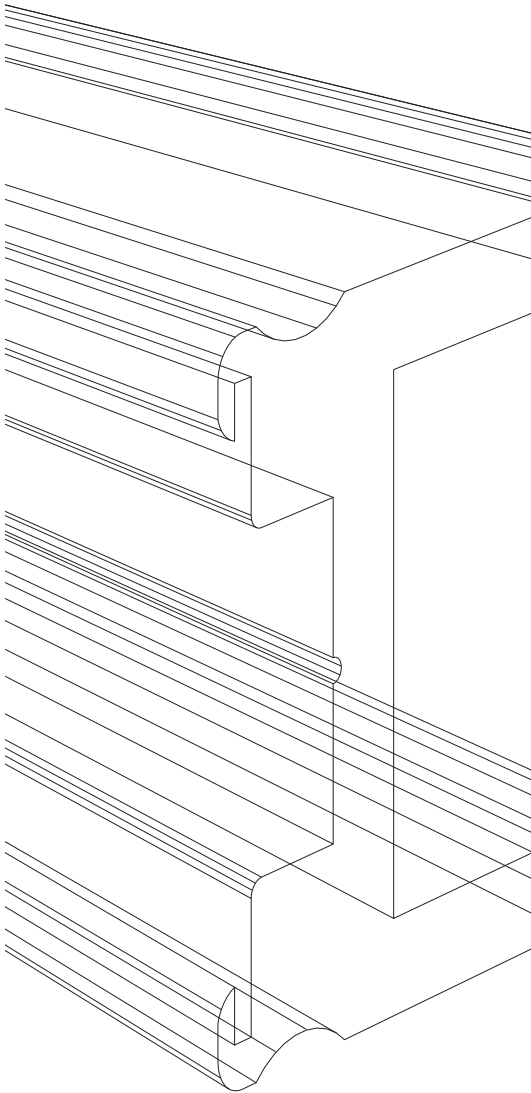
#### 3.0 PRODUCT DESCRIPTION

##### 3.1 Equipment Management Rail

- 3.1.1 The Equipment Management Rail, heavy-duty style, shall be a seamless, horizontal extruded aluminum profile finished with clear anodizing. The rail shall contain a groove for attaching an adaptor that supports the specified hospital accessories and equipment as provided by owner. To prevent accidental dislodgement, the groove and adaptor shall be designed so that the adaptor requires a 7-degree tilt for attachment. The rail shall also provide the means for inserting a decorative color inlay the length of the rail, and closure caps at each end.
- 3.1.2 RAIL shall be specified in increments of one foot, from a minimum of one foot to a maximum of ten feet, or be of special lengths as shown on drawings to accommodate special room conditions. The Rail may be joined together with the use of a Joiner piece to provide lengths greater than ten feet.



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- 3.1.3 The manufacturer shall pre-drill the Rail on sixteen-inch centers. The Rail may be field drilled by the installer to meet specific job site conditions. The Rail shall contain a continuous groove behind the decorative inlay to eliminate the need for countersinking of mounting holes.
- 3.1.4 END CAPS shall be constructed of injected molded thermoplastic meeting UL-94-V-0 burning specification and resist most hospital cleaning and disinfecting chemicals. The color shall be Neutral White and molded throughout the material. Caps shall be able to be installed and held in place without the use of tools.
- 3.1.5 DECORATIVE INLAY shall be factory preinstalled. Inlay shall be constructed of extruded thermoplastic meeting UL-94-V-0 burning specification and resist most hospital cleaning and disinfecting chemicals. Color shall be integral to the material and be available in a variety of alternatives, which match most common laminate manufacturers color selections.

## 3.2 Mounting Hardware

- 3.2.1 Mounting hardware shall be provided by the Rail manufacturer. Hardware shall be available to either flush mount or space the rail two inches from the hospital wall; for ease in mounting secondary equipment. Architect shall specify and show on drawings whether system is to be mounted flush or utilize spacer hardware.
- 3.2.2 FLUSH mounting hardware shall be available for mounting to steel studs or backing, drywall or masonry walls. Architect shall specify and show on drawings wall structure to be used. Flush mounting hardware kits shall consist of the appropriate screws in a quantity to mount rail on sixteen-inch centers.
- 3.2.3 SPACER mounting hardware shall be available for mounting to steel studs or backing, drywall or masonry walls. Architect shall specify and show on drawings wall structure to be used. Spacer mounting hardware kits shall consist of a machined aluminum spacer and the appropriate screws in a quantity to mount rail on sixteen-inch centers.
- 3.2.4 When rails are mounted with the above approved hardware and in strict accordance to manufacturers installation instructions, rails shall accommodate functional loading up to 62#/ft.

## 4.0 EXECUTION/INSTALLATION

- 4.1 The Architect shall specify and show on drawings exact wall and mounting details.
- 4.2 Contractor shall supply and install system in accordance with Architects drawings and manufacturers installation instructions provided in submittals and as supplied with system shipment.
- 4.3 Upon request, manufacturer shall provide a representative to check with the contractor during initial installation and assist in interim inspections. Final inspection and certification, if required, shall be the responsibility of the installing contractor.