HSI Hospital Systems

750 Garcia Ave, Pittsburg
CA 94565
+1.925.427.7800
HSIheadwalls.com

Axiom

Vertical Patient Care Headwall

100% USA Manufactured

12 Year Product Warranty

All specifications are nominal and subject to change without notice. Hospital Systems, Inc. makes no warranty, expressed or implied, except for the express written warranty extended on the sale of its products.

AXIOM basic unit shall be manufactured by HSI, Pittsburg CA 94565 USA, in accordance with shop drawings and documents. The following is a general specification, and components listed may not be present or required in final product.

The AXIOM is listed by Underwriters Laboratories Inc. (UL) in Canada and the United States of America. This product also complies with the seismic requirements of, and is approved by, the State of California's Office of Statewide Health Planning and Development (OSPHD). HSI manufactures all products in accordance with the National Fire Protection Association (NFPA), NFPA-99 (current edition) and National Electric Code (NEC).

The installation contractor is responsible for compliance with all local, state, and federal codes applicable to the installation of medical gas and electrical systems.

1. Submittals and Approvals:

Job specific shop drawings shall be produced for each project. These shop drawings will clearly indicate the area of Medical Gas termination, and electrical connection points inside or outside the AXIOM. Drawings of Record will be produced, and emailed at the time of shipment, on request.

HSI will manufacture equipment as per signed approval drawings and verification documents, which are provided in the job specific submittal package.

2. Basic Construction

Enclosure shall be constructed of extruded, heat-treated, anodized aluminum sections to provide a surface or recessed mounted unit. Unit shall be factory assembled to include mechanical and electrical components as shown on the plans and specifications and wired in accordance with HSI shop drawings. Fascias shall be removable for access to individual components mounted within the console sections of the AXIOM. Device cover plates shall be constructed of clear anodized aluminum. Primary electrical conduit runs to the wall unit are provided by the electrical contractor and shall be

accommodated by an upper terminal enclosure furnished as an integral part of the AXIOM. All secondary wiring within the AXIOM shall be enclosed in raceways, and terminate in the upper terminal enclosure. All wiring shall be marked, color-coded and tie wrapped to facilitate easy circuit identification. Removable, Spectrum Duracore™ fire-retardant panels shall be finished with highpressure plastic laminate on the outside face and a fire retardant backing sheet on the reverse. The color of the laminate shall be selected by the hospital or architect from HSI standard colors. AXIOM may be mounted flush within the building wall. Contractor is to provide a framed area in the building wall to accommodate the Axiom Headwall. When flush units are specified, a 1" (25.4mm) finish trim frame is provided with the AXIOM.

3. Components

A. Electrical

WIRING

Wire for standard and critical branch power circuits shall be #12 AWG THHN stranded copper wire, 600 volt, with heat resistant thermoplastic insulation for hot (black) and neutral (white). Grounds shall be #10 AWG stranded copper wire (green). All ground conductors shall be installed in conduit.

SECONDARY CIRCUIT BREAKERS [OPTIONAL]

UL listed breakers as indicated on the drawings shall provide circuit protection. The panel containing secondary circuit breakers shall feature a door with concealed hinges for access to circuit breaker handles.

ELECTRICAL RECEPTACLES

Receptacles shall be the type and quantity as shown on the drawings and specified. Unless otherwise noted 2 pole, 3 wire, rated at 20 amps, 120 Volt, Hospital Grade shall be provided. Also available: BS, DIN, and others.

- Duplex receptacles shall be NEMA style 5-15R or 5-20R, color Ivory for use on normal power circuits, and color Red for use on critical branch power circuits.
- Simplex receptacles shall be NEMA style 5-15R or 5-20R, color Ivory for use on normal power circuits, and color Red for use on critical branch power circuits.
- Safety receptacles (if required) shall be duplex type, be NEMA style 5-15R or 5-20R, color Ivory for use on normal power circuits, and color Red for use on critical branch power circuits. Receptacles shall limit proper access to energized contacts.

GROUNDING JACKS

Externally accessible grounding jacks shall be provided in the Axiom wall unit as shown in these shop drawings. The solid brass

HSI Hospital Systems

750 Garcia Ave,
Pittsburg
CA 94565
+1.925.427.7800

c UL us LISTED

HSI Hospital Systems

750 Garcia Ave,
Pittsburg
CA 94565
+1.925.427.7800

receptacle shall be enclosed in a non-conductive housing and shall be spring loaded, with a twist-to-lock action and shall be manufactured to the requirements of NEC Article 517, and NFPA 99.

SWITCHING
Switches shall be Industrial Grade 120/277 volt, 20 amps. Switch type options include SPST, 3-Way or Momentary, and shall be provided as shown on submittal shop drawings. Low Voltage Switching will be 0-12 volts, 15 amps unless otherwise noted. HSI shall furnish, pre-install and wire all switches.

B. Med Gas

MEDICAL GAS PIPING
Oxygen, vacuum, medical air, evacuation, and nitrous oxide outlets shall be as indicated in plans and specifications. All outlets will be installed by HSI at the factory, manifolded and tested in accordance with NFPA 99c. All Medical Gas piping shall be Type L copper pipe. The mechanical contractor will bring the primary supply lines of the medical gases to the singular terminal connections at locations shown on the drawings.

C. Lighting (Optional)

AURORA™ LIGHTING FIXTURE
When indicated on the drawings, the overbed safety lighting fixture shall be provided. Lamps are provided by others.

AMADEA LIGHTING FIXTURE
When indicated on the drawings, the high end overbed lighting fixture shall be provided. Lamps are provided by others.

MULTI-FUNCTION CEILING LIGHT
When indicated on the drawings, a ceiling mounted multi-function lighting fixture shall be provided. Lamps are provided by others.

D. Provisions

NURSE CALL EQUIPMENT
All nurse call equipment shall be furnished and installed by others as indicated in the plans and specifications. A labeled pullcord shall be provided by HSI for use by the nurse call installer.

MONITORING EQUIPMENT
Monitor equipment shall be provided and installed by others. HSI shall provide a matching blank plate for the monitor receptacle to the monitor supplier when requested. The Axiom wall unit will include a factory installed raceway and labeled pull cord to accommodate the monitor wiring. Where specified a monitor slide and optional pivot/tilt arm shall be provided to support the physiological monitor.

COMPUTER INTERCONNECT
A computer system furnished by others shall be installed at locations as shown on the plans and specifications. HSI shall provide a

c UL us LISTED

matching blank plate for the computer jack when requested. The Axiom unit will include a factory installed raceway and labeled pull cord to accommodate the computer system wiring.

E. Integrated Accessory Rails
The AXIOM has two (2) vertical equipment tracks, which are integrated into the aluminum extrusion assembly. The accessory tracks are clear etched anodized aluminum.

UNIMOUNT VERTICAL TRACK
Unimount™ Accessories shall be provided in the quantities and types as shown in the submittal. Unimount accessories shall be installed by others in the locations as determined by the end user group. Unimount accessories shall be attached using patented Unimount brackets.
[Patent #4,725,030]

4. Installation

HSI shall supply a rough-in bracket pre-punched for building service connections. Rough-in bracket will be supplied in advance of headwall units for pre-installation of electrical and medical gas services and shall be furnished with instructions. Hardware is to be furnished by the installer or contractor. The installer or contractor shall install rough in bracket, mount headwall to wall, remove service panel of headwall module, and make primary gas and electrical connections..

Hardware to mount the headwall shall be provided by the installing contractor to meet local requirements. Instructions shall be furnished by HSI The installer or contractor shall furnish and install conduit to ceiling mounting plate with wiring. He shall make connection of building services to terminal compartment as shown on the electrical drawings and as herein specified. Customer shall coordinate with Hospital Systems, Inc for equipment supplied by others to ensure compatibility of this equipment with the headwall. The installer or contractor shall provide primary connections to the medical gas system in the access area of headwall unit as detailed on drawings. It shall be the responsibility of the mechanical contractor to perform and certify all pressure tests as required by NFPA 99, and to install the gas outlet finishing assemblies. Please refer to the installation instructions for further details.

5. Ordering Information

All HSI headwalls are Build-to-Order and will be assigned their own unique model numbers during the submittal phase.
Please visit our website at www.HSIheadwalls.com for the contact information of your local sales representative.

HSI Hospital Systems

750 Garcia Ave,
Pittsburg
CA 94565
+1.925.427.7800

c UL us LISTED