

Specifications

Axiom™ and Axiom-Eloquence™

Patient Care Headwalls

AXIOM PATIENT CARE HEADWALL, basic unit shall be manufactured by Hospital Systems, Inc., Pittsburg CA 94565 USA in accordance with these shop drawings and documents.

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1. Basic Construction

Enclosure shall be constructed of extruded, heat-treated, anodized aluminum alloy sections to provide a modular surface or recess-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 Hospital Systems, Inc. shop drawings. Anodized aluminum fascias shall be removable for access to individual components mounted within the console sections of the Axiom wall unit. Device coverplates 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 wall. All secondary wiring within the Axiom wall unit enclosure shall be enclosed in fixed wiring, and terminating in the upper terminal enclosure. All wiring shall be marked, color-coded and tie wrapped to facilitate easy circuit identification.

Axiom Headwalls 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 Headwall

Removable, Spectrum Duracore™ fire-retardant panels shall be finished with high-pressure plastic laminate on the outside face and a fire retardant backing sheet on the reverse. The panel containing secondary circuit breakers shall feature a door with concealed hinges for access to circuit breaker handles. The color of the plastic laminate shall be selected by the hospital or architect from Hospital Systems, Inc. standard colors.

2. Components

SECONDARY CIRCUIT BREAKERS [Optional]. U.L. listed breakers as indicated on the drawings shall provide circuit protection. Breakers shall be assembled by means of positive bolted connection to silvered, solid, copper bus bars.

INTERNAL GROUND BUS. A ground bus shall be included.

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

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

MEDICAL GAS STATION OUTLETS. Oxygen, vacuum, medical air, evacuation, and nitrous oxide outlets shall be as indicated in plans and specifications. All outlets will be installed by Hospital Systems, Inc. at the factory, manifolded and tested in accordance with the station outlet manufacturers' requirements. The mechanical contractor will bring the primary supply lines of the medical gases to the singular terminal connections at locations shown on the drawings.

HORIZON-8™ LIGHTING FIXTURE. When indicated on the drawings, the overbed lighting fixture shall be provided complete with plastic laminate trim color to match the Axiom wall unit. Hospital Systems, Inc. does not provide lamps.

AURORA™ LIGHTING FIXTURE. When indicated on the drawings, the overbed safety lighting fixture shall be provided. Lamps are not provided by Hospital Systems.

REACT™ CLOCK TIMER. When indicated on the drawings, a Hospital Systems, Inc. React Clock Timer shall be provided and factory installed in the Axiom wall unit. The circuitry shall allow the activation of the elapsed time indicator by manually depressing the "Start" switch, or by a patient ventricular alarm condition broadcast through the bedside physiological monitor. Manually operated "Stop/Start", "Reset", and

"Mode" switches are also provided and pre-wired within the React unit. The installing contractor shall

SUPERLUX™ EXAMINATION LIGHT. When indicated on the drawings, the Hospital Systems, Inc. Superlux fixture shall be provided and a suitable mounting bracket installed on the Axiom wall unit as indicated on the shop drawings.

QUALUX™ EXAMINATION FIXTURE. When indicated on the drawings, the Hospital Systems, Inc. Qualux fixture shall be provided and a suitable mounting bracket installed on the Axiom wall unit where indicated on the shop drawings. The bracket shall be mounted adjacent to the power outlet appropriate for the Qualux fixture type indicated on the shop drawings.

3. Provisions

NURSE CALL EQUIPMENT. All nurse call equipment shall be furnished and installed by others as indicated in the plans and specifications. A labeled pull cord shall be provided by Hospital Systems, Inc. for use by the nurse call installer.

MONITORING EQUIPMENT. Monitor equipment shall be provided and installed by others. Hospital Systems, Inc. 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 PMS-80™ Tilt Swivel Monitor Bracket and slide 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. Hospital Systems, Inc. shall provide a 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.

4. Unimount

Unimount™ Accessories shall be provided in the quantities and types as shown in the submittal. Unimount accessories shall be installed by others in the

perform wiring and electrical actuation between the monitor and the React unit. locations as determined by the end user group. Unimount accessories shall be attached using patented brackets. [Patent #4,725,030]

5. Installation

Hospital Systems, Inc. shall supply a ceiling mounting plate with knockouts for building service connections. Ceiling mounting plate will be supplied in advance of headwall units for pre-installation of electrical and medical gas services. Ceiling mounting plate shall be furnished with instructions. Hardware is to be furnished by the installer or contractor.

The installer or contractor shall install ceiling mounting plate, remove upper service panel of headwall module, attach headwall to ceiling mounting plate, and install mounting brackets. Hardware to mount the headwall to the mounting bracket shall be provided by the installing contractor to meet local requirements. Instructions shall be furnished by Hospital Systems, Inc.

The installer or contractor shall furnish and install conduit to ceiling mounting plate with wiring. He shall make connection of building services to pre-wired junction box 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.

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