MODULAR
SERVICES COMPANY

SPECIFICATIONS

NEONATAL INTENSIVE CARE UNIT (NICU)

PRODUCT DESCRIPTION

The Neonatal Intensive Care Unit is a UL-listed assembly and includes a center section, drawer module, open storage module, base, countertop, and service chase (if applicable). Services provided include electrical, medical gas, storage, horizontal work surface and an accessory equipment management system.

The accessory equipment management system includes vertical accessory tracks and horizontal channels which are an integral part of the work station and are flush with the front face of the unit. The interior of the track is easily accessible from the front for cleaning. Accessory mounting tracks are capable of accepting adapters throughout their entire length.

Accessories are available in a sufficient variety to meet the needs of typical hospital applications. One of the accessories available is a vertical track adapter designed as a transition between many of these items. Adapters are designed to allow attachment into the track at any point without the need for insertion slots. All accessories are as called for on the project drawings.

Component chases accept standard-depth components such as medical gas outlets, clocks, nurse call stations, electrical plugs, light switches, etc. Chases are designed to allow easy access for service or future modifications.

Decorative access panels (where indicated) are included to provide further access to the interior of the product for future piping, wiring or component changes. Panels are impact-resistant and include a durable high-pressure laminate facing. Panel fasteners are concealed for a finished appearance.

Drawer and storage modules are manufactured using premium construction, and include heavy-duty concealed hinges and ball bearing drawer slides. Body, door and drawer components are finished with high-pressure laminate on both sides, including drawer sides and bottom. Door, drawer and cabinet facings are finished with a resilient high-density polyethylene edge to match or complement decorative laminate.

CONSTRUCTION

Frame

The frame is built with heavy-gauge anodized aluminum profiles incorporating an integral equipment management system, and is reinforced with internal metal bracing. The frame has body panels constructed of a fire-rated core finished with high-pressure laminate on each side.

Component Fascia

Component fascia are aluminum or steel with a clear anodized or painted finish. Device plates are anodized aluminum.

Access Panels

Access panels are decorative high-pressure laminate over fire-retardant, high-density particle board core with a high-pressure laminate backer.

MEDICAL GAS CONNECTIONS

Piping

Medical gas outlets are pre-manifolded with Type “L” medical copper tubing and terminate at the top of each unit, or as otherwise indicated on the project drawings. Prior to manifolding, all tubing and fittings are cleaned, rinsed and dried in accordance with NFPA 99. All joints are made with a silver brazing alloy with a melting point of at least 1000°F. Tubing ends are securely capped and properly identified. To prevent galvanic corrosion, all copper tubing is protected from contact with dissimilar metals.

Medical Gas Outlets

Outlets are manufacturer’s standard brand. Type and style are as called for on the project drawings.

ELECTRICAL CONNECTIONS

Wiring Line Voltage

Each work station is completely pre-wired with service connections terminating at the top of each chase, or as otherwise indicated on the project drawings. All wiring is to be in accordance with UL requirements.

Low-Voltage Provisions

Provisions for low-voltage communication devices consists of backboxes or barriered compartments. Communication devices and wiring are to be supplied and installed by others. These devices include nurse call, television outlets, code blue, telephone outlets, monitor jacks, etc.

Electrical Devices

Hospital-grade power receptacles, ground jacks, switches etc. are to be installed as indicated on the project drawings.

INSTALLATION

Installation of the product includes receiving, storage, erection, overhead bracing, clean-up, touch-up, carton disposal, etc. All necessary installation materials are to be supplied by the contractor to include such items as tools, fasteners, caulking and electric lamps not supplied by the manufacturer.

The electrical contractor is responsible for all electrical hook-up at service connection locations, as well as interconnect wiring on multi-section units. After the installation is complete, the electrical contractor is to test equipment function, including electrical receptacles and grounding, in accordance with NFPA requirements.

The medical gas contractor is responsible for piping and connection of all medical gas services, as well as connection of piping between sections on multi-section units. The medical gas contractor is also responsible for purging, pressure testing, gas identification and system certification in accordance with NFPA 99.

Accessory items are to be installed in accordance with the manufacturer's instructions and under the direction of the hospital.

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109 NE 38th St. • Oklahoma City, OK 73105
Tel: 800.687.0938 • Fax: 405.528.0368
www.headwalls.com • info@headwalls.com