



MODULAR
SERVICES COMPANY

SPECIFICATIONS

AMBIANCE® MOTHER HEADWALL



GENERAL CONSTRUCTION

Chassis Construction

The frame substructure is constructed of 18-gauge steel and mounts on the surface of the building wall. This frame includes device mounting panels for the various services and access panels to make the incoming service connections from the building wall behind. The back side of the frame is open for incoming services to enter through large windows rather than punch-out rough-in boxes. The unit is secured to the building wall with a single hanging bracket (supplied with unit). The chassis has a powder coated finish to match the color "Surf".

Cabinet Construction

The exterior surfaces are constructed of high-pressure laminated particle board with edge molded perimeter. The surfaces are maple or oak veneer that can be finished in a variety of stains to match the room decor. The cabinets at each end of the unit include two 270° bi-fold doors joined by full-length piano hinges for service access. The bottom panel of the cabinet includes cutouts on each face below the doors for routing equipment wiring and hoses so that the doors can be open or closed during use.

MEDICAL GAS OUTLETS

Medical gas outlets are provided to match those currently being used in the facility so that the suction and oxygen therapy equipment currently being used will be compatible. Outlet types available include Latch-Key (Chemetron) Quick-Connect, Diamond (Medaes/Ohmeda) Quick-Connect, Geometric (Puritan Bennett) Quick-Connect and DISS-Style threaded type.

Medical gas outlets are pre-manifolded using Type "L" copper and terminate in the gas drop area for connection to the medical gas piping entering from the building wall behind unit, or as otherwise indicated on the project drawings.

Pipe fittings and brazing procedures are to be in accordance with NFPA 99. All joints are to be 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.

ELECTRICAL WIRING AND EQUIPMENT

Units are completely pre-wired with all service connections terminating in barriered compartments as indicated on the project drawings. Line voltage current carrying conductors are type THHN stranded copper for normal and emergency power circuits. All wiring complies with NFPA 70 as minimum standards, and all electrical components are UL listed. The unit is listed as a prefabricated assembly.

A copper ground bus is provided in the service connection compartment that will accept #6 to #14 AWG grounding conductors. All power receptacles have a copper ground conductor attached to the ground screw of the receptacle and the ground wire tie point to ensure that the structure is not used as the sole ground path between the power receptacles and the ground bus. Additional buses within the unit are provided as necessary for ground wire tie points.

ACCESSORIES

Ambiance Overbed Light Fixture

The light module is positioned between the two cabinets of the mother unit and provides direct and indirect lighting functions for the patient area. The fixture is controlled via a low-voltage controller, which allows multiple switches to control each lighting function (one momentary contact switch required for each lighting function provided in unit). All momentary contact switches provided and connected by others must have isolated (dry) contacts, including those in nurse call pillow speakers and bed side rails. The light module is hinged at the back, allowing it to pivot up to avoid damage from IV poles and other items being raised by the patient bed below.



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