



MODULAR  
SERVICES COMPANY

# SPECIFICATIONS

## SILHOUETTE®



## PRODUCT DESCRIPTION

The Silhouette® is a UL-listed, semi-recessed, horizontal medical gas and electrical service assembly which extends only 1.25" from the wall, accommodating tight space constraints and allowing for larger and safer working environments. This system uses up to four horizontal equipment channels and two component tiers to conveniently locate services such as medical gas, electrical and communications.

Vertical frame sections include a precision alignment mechanism to ensure proper positioning of horizontal channels and tier components. Vertical frame sections can be ganged together to form horizontal tier sections of various lengths and will become an integral part of the building wall. Each section is 90" tall with the exception of the section containing the electrical service connection junction box. This section is extended to above the ceiling (accessible ceilings only) for ceilings up to 9'6". After installation, the Silhouette appears and operates as a single headwall.

Horizontal channels are continuous length (up to 10') and are field-attached to the horizontal tiers and vertical frame sections. Channel fasteners are concealed behind a snap-in vinyl trim. The lower channel surface is flat and smooth to facilitate ease of cleaning. Channels are removable to allow replacement as necessary. Finish is powder coated "Surf" or "Platinum Grey".

Horizontal channel accessories are available in a sufficient variety to meet the needs of typical hospital applications. One of the accessories is a horizontal channel bracket that automatically locks in place. The bracket includes a plastic locking pad to protect the surface finish of the channel and is designed for one-hand operation. All accessories are as called for on the project drawings.

Horizontal component tiers are designed to accept standard-depth components such as medical gas outlets, clocks, nurse call stations, electrical plugs, light switches, etc.

## CONSTRUCTION

Horizontal component tiers are constructed of heavy-gauge anodized aluminum profiles with a removable horizontal accessory channel. Channels have a powder coated finish in either "Surf" or "Platinum Grey".

The component fascia is constructed of aluminum or steel with a high-pressure laminate finish. Device plates are aluminum powder coated in either "Surf" or "Platinum Grey".

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## MEDICAL GAS CONNECTIONS

### Piping

Medical gas outlets are pre-manifolded with Type “L” medical copper tubing and terminate near the top of each vertical frame section, 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 vertical frame section is completely pre-wired with service connections terminating above the accessible ceiling line 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 consist of backboxes or barriered compartments. Communications devices and wiring are to be supplied and installed by others. These devices include nurse call, television, code blue, telephone, monitor jacks, etc.

### 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 inter-connect wiring between vertical frame sections. All hard-wired light fixtures are installed, wired and lamped by this contractor. 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 which terminate near the top of each vertical frame section. 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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500 E. Britton Rd. • Oklahoma City, OK 73114

Tel: 800.687.0938 • Fax: 405.528.0368

[www.modularservices.com](http://www.modularservices.com)

[info@modularservices.com](mailto:info@modularservices.com)