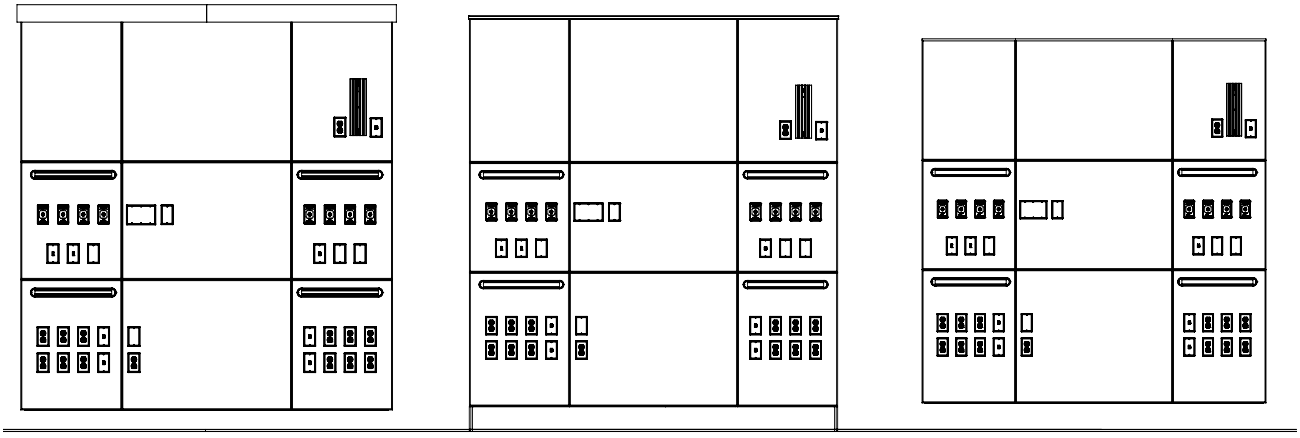
MODULAR
SERVICES COMPANY®

SPECIFICATIONS

FORM®

HEADWALLS

7510 SERIES



OVERVIEW

The Form® headwall is a UL-listed, configurable medical gas and electric service assembly that is available in either a Surface-Mounted (mounted to the face of an interior partition) or Semi-Recessed (recessed into the interior partition) option. The Surface-Mounted option can either be floor-mounted, with framing starting at the floor, or floating with framing starting at desired height above the finished floor. The Semi-Recessed option is floor-mounted, with framing starting at the floor. Standard configurations employ four ergonomically placed horizontal channels for accessories, a monitor channel and four rows of services to conveniently locate medical gas, electrical, and communications provisions.

Form® headwalls will consist of either a single section, or multiple vertical sections, which join together via front and back frame buckles on the frame studs to ensure each section is secured tightly to and aligned properly with the other frame sections. The frame sections are referred to as the left wing, right wing, and center sections.

Semi-Recessed, floor-mounted frames are anchored to the floor and secured to the building studs, and header. Surface-Mounted, floor-mounted frames are anchored to the floor and secured to blocking inside the wall cavity. Surface-Mounted, floating frames are secured to blocking inside the wall cavity, which is required to provide sufficient anchorage.

Each Finish Kit contains a Panel Kit and a Trim Kit. Panel kits are uniquely designed, in that the panels float on the face of the frames. Panel hangers hold the fascia firmly against the frame, while allowing it to move slightly in both horizontal and vertical directions. This allows the panels to fit tightly together and maintain proper alignment, to accommodate variance in job-site conditions.

Trim kits for Form® headwalls provide an unparalleled final fit and finish. Floor-mount units include an integral base, which provides a structure for attaching base covering materials (provided by others). Units that extend to the finished ceiling include either a top low-profile aluminum trim or a crown that can be adjusted to follow a misplaced or misaligned finished ceiling. Units that terminate below the finished ceiling include an angled cap to trim the top. For Surface-Mounted headwalls, matching side trim is included. Panels of Semi-Recessed headwalls sit on the face of the surrounding wall surface.

OPTIONS

Vertical sections of Form® headwalls are available in optional widths. Typical widths are 23.5", 32", and 36" for wing walls and 36", 42", and 48" for center sections.

Form® headwalls can vary in height. Units can either originate at the floor or begin at a desired elevation above the finished floor, and can either terminate at the finished ceiling line, extend above the finished ceiling, or terminate below the finished ceiling.

All Form® headwalls are pre-piped and pre-wired for medical gas and electrical services; however, the location at which these services terminate is based upon customer preference; either above or below the finished ceiling.

Furthermore, the horizontal location of services, horizontal channels and vertical tracks for accessories, and panel seams are adjustable in 1" increments. Minimum distances between these apply.

Additionally, there are options relating to bed impact protection. One option is to choose an alternate, thicker, laminate for the bottom panel of the middle section of the headwall, which provides increased impact protection. Another option is the addition of surface-mounted “bed bumpers” which prevents the bed from impacting the panels.

STRUCTURE

Form® headwall frames (including studs, nailers, electrical boxes, anchoring plates, and bases) are constructed of 16-gauge steel. Monitor channels, horizontal channels, and vertical tracks for accessories are heavy-gauge anodized aluminum and are attached to the frame via mechanical fasteners. The structure of the unit will be shipped in single or multiple sections: Refer to project-specific documents for number of frame sections.

FINISH KIT

Form® headwalls have trim packages that include a variety of materials. Trim packages may contain a combination of stainless steel, anodized aluminum extrusions, powder coated light-gauge steel or aluminum, 3D Laminate MDF panels, or particle board panels with a High Pressure Laminate finish and edge banding.

The fascia of the Form® headwalls is constructed of 3/4" thick precision cut panels. The typical configuration is a nine-panel grid. Panels ship separately from the frame sections so that all rough in work can be completed before the finishes are installed.

Standard materials for the fascia panels include high-pressure laminate, 3D laminate and solid surface. Modular offers High Pressure Laminate selections from Formica, Wilsonart, Nevamar, and Pionite, as well as 3D Laminate selections from manufacturers such as Renolit, Surface Source International (SSI), Omnova, Ambtra, and Dackor. Solid Surface is also available for fascia panels with the ability to color match.

Laminate Brand	Type	Core Material	Class
Renolit	Standard PVC	Fire-Rated MDF	A
Renolit	Armouren PVC (Impact Material)	Standard MDF	C
Renolit	Standard PVC	Standard MDF	C
SSI	Standard PVC	Fire-Rated MDF	A
SSI	Standard PVC	Standard MDF	C
Omnova	Standard PVC	Fire-Rated MDF	A
Omnova	Standard PVC	Standard MDF	C
Ambtra	Standard PVC	Fire-Rated MDF	B
Ambtra	PET	Standard MDF	C
Ambtra	Standard PVC	Standard MDF	C
Dackor	Standard PVC	Fire-Rated MDF	A
Formica	Vertical Grade HPL	Standard Particle Board	B
Wilsonart	Vertical Grade HPL	Standard Particle Board	B

MEDICAL GAS CONNECTIONS

Medical gas outlets are manufacturer's standard brand, with type and style based upon customer preference. Outlets are pre-manifolded with Type “L” medical copper tubing and terminate near the top of each vertical frame section or above the accessible ceiling line, as 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.

ELECTRICAL CONNECTIONS

Each vertical frame section is completely pre-wired with service connections terminating above the accessible ceiling line or within the cavity of the headwall, as indicated on the project drawings. All wiring is to be in accordance with UL requirements.

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.

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, proper storage, erection, overhead bracing, clean-up, touch-up, crate/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. All hard-wired light fixtures are installed, wired and lamped by contractor. After the installation is complete, the electrical contractor is required 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.

500 E. Britton Rd. • Oklahoma City, OK 73114
Tel: 800.687.0938 • Fax: 405.528.0368
www.modularservices.com
info@modularservices.com

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