SEMI-RECESSED HEADWALL
(FLOOR MOUNT)
OVERVIEW

Form® is a UL-listed configurable headwall system. This system includes multiple horizontal equipment channels integrated into the fascia of the unit which provide mounting points for a variety of accessories. Included in the system are medical gas and electrical services, as well as provisions for nurse call systems, communications and future additional services.

This document gives installation instructions specific to units that are semi-recessed (built into the interior building partition wall with only the panels being proud of the wall surface), as well as being mounted to the floor. The illustrations shown in this document are examples which will be similar to but not exactly like all headwalls in this category. Installation instructions for floating units (hanging from the surface of the wall but not touching the floor) or surface mounted units (mounted to the face of an existing partition) are provided in separate documents.

UNPACKING AND INSPECTION

1. Upon receipt of units and prior to unpacking, inspect shipping containers for damage. Document any damage found and notify the carrier and Modular Services Company.

2. Locate the carton for the unit you wish to install. Labels at each end of the carton identify the unit type and general description of contents, as well as the room number or area of installation (if applicable).

3. Unpack the unit from shipping container, taking care not to damage the unit.

4. Verify that all components are included, according to the packing slip.

5. Inspect the units for defects in materials or workmanship prior to installation. It is the responsibility of the customer to report any damage or deficiencies to Modular Services Company immediately upon discovery.

NOTE: Panels must be stored and installed in a climate-controlled environment.

PREPARATION

Review the final approved shop drawings and the submittal booklet, which will provide you with technical details specific to your installation, such as:

- Equipment types and quantities
- Room numbers and location in the building (if applicable)
- Electrical requirements
ROUGH-IN OPENING

Rough opening dimensions depend on the specific configuration chosen and are provided upon receipt of approved submittal drawings.

Figure 1.

UNIT INSTALLATION

1. **Install adjustable base into rough opening.** After the base is positioned as shown in Figure 2, secure it to the floor with anchors (provided by others) in at least two places. If the floor is excessively wavy, be sure to secure the base in locations where it is already contacting the floor (i.e. don’t force the base into a valley in the floor). Next, pivot the top of the base until it is level and secure in place with the included self drilling screws. Once in place, remove and discard locating bracket.

Figure 2.
2. **Install frame section 1.** Secure frame section 1 to the base with the screws provided. Next, secure frame section to king stud of rough opening via the attached mounting brackets on the side of the frame (Fig. 3a). Slide the top side bracket up to be flush with the framing of the rough opening and secure it to the header of the rough opening (Fig. 3b).

**Figure 3a.**

**Figure 3b.**
3. **Install frame section 2.** Section 2 attaches to section 1 via sets of slots and tabs on the framing members (Fig. 4a). After section 2 is attached to section 1, secure section 2 to the base using the screws provided. Then slide the top side bracket up to be flush with the framing of the rough opening and secure to header (Fig. 4b).

**Figure 4a.**

**Figure 4b.**
4. Repeat the previous process shown in Figures 4a & 4b to install sections 3 and 4 (Fig. 5).

**Figure 5.**

**MEDICAL GAS SERVICE CONNECTIONS**

Medical gas outlets are pre-manifolded and terminated near the top of each section, or as indicated on the approved drawings.

Medical gas systems provided by Modular Services have been cleaned, purged, brazed, blown down, labeled, and tested for cross connections and leaks in accordance with the most recent edition of NFPA 99. They are certified to be compliant to all of these requirements and to be leak free. The medical gas system installer is responsible for connecting this manufactured assembly to the pipeline in compliance with all applicable sections of the latest edition of NFPA 99.

During the process of connection to the pipeline there are multiple potential sources of contamination or damage to seals which could result in leaks. First, although Modular Services takes care to protect the ends of our piping system and the openings of station inlets/outlets to avoid contamination, it is at this point that these contamination prevention measures must be removed which exposes the system to the construction environment. Secondly, instrumentation must be inserted into the station inlets/outlets to properly purge the system while it is being brazed in accordance with the requirements of NFPA 99. Lastly, station inlet/outlet front body assemblies (if product is shipped with them installed), which are only rated to a maximum of 100 PSI, must be removed to conduct the initial pressure test which is required to be conducted at a minimum of 150 PSI. After this test is complete the front bodies must be reinstalled to conduct the standing pressure test.

In accordance with NFPA 99 section 5.1.12.2, the installer is required to test the distribution piping in its entirety, which includes the medical gas manifolds provided by Modular even though they have been pretested at the factory. Because of the multiple potential sources of contamination or damage to seals listed above, the installer is to be held responsible for repairing or replacing any seals which have been contaminated or damaged as a result of the process of connecting to the pipeline. The installer shall also be responsible for protecting the station inlets/outlets against contamination after the factory protection has been removed.
Modular Services warrants all defects in piping materials, brazed joints, and workmanship but cannot warrant leaking seals once the factory provided contamination prevention materials are removed from either the end of the piping or the station inlet/outlet.

**ELECTRICAL SERVICE CONNECTIONS**

1. Make sure all electrical power circuits are locked off prior to hook up.
2. Review wiring diagram or shop drawing.
3. All connections are labeled on the unit at the point of connection.
4. Connect electrical service according to wiring diagram, being careful to observe labeling at service connection junction boxes.
5. Test equipment in accordance with NFPA 70 (The National Electrical Code), in addition to any applicable state or local codes.

**DRYWALL & PANEL INSTALLATION**

*NOTE:* Panels must be installed in a climate-controlled environment.

Drywall to the side edges of the Form® headwall framing. Drywall at the top of the headwall should terminate at the upper drywall indexing location - bracket with leg bent outward indicating termination point of drywall (Fig. 6a). Add 1/4” filler to face of headwall base (Fig. 6b). All drywall must be complete before proceeding to next step.

*Figure 6a.*

Indexing Point:
Drywall at top of unit to terminate at this outward bent leg of the top bracket of the headwall.
2. Install panels, starting at the bottom. The panels must be placed against the studs and moved downward so that the panel hangers engage properly (Fig. 7). Make sure panel seams are aligned with one another and outside perimeter panel edges are flush before proceeding to next step.
3. Next, locate Horizontal Channel assemblies with end caps. Fix the horizontal channel in place using the #8 x 1/4" long self-tapping screws provided in each hole. Endcaps can then be pushed on until they 'snap' in place (Fig. 8).

Figure 8.

4. Install the GCX track assemblies using the #14 x 2.0" screws provided (Fig. 9).

Figure 9.
5. Install cover plates, sconce lights and miscellaneous devices/accessories (provided per customer requirements; may or may not be present on all models) to panels that were field installed for completion of unit.

Figure 10.

**INSTALLATION TERMS AND CONDITIONS**

Each Modular Services unit, or unit section, shall be completely pre-wired for normal, emergency and low voltage according to the approved submittal. Communication devices and wiring shall be supplied by others. These devices include nurse call, television, code blue, telephone, monitor jacks, etc.

The customer shall be responsible for all incoming electrical conduits, wiring hook-up of electrical services, and if applicable, interconnect wiring between sections. All hardware light fixtures shall be installed, connected and lamped by contractor. After installation is complete, the customer shall test equipment functions, as well as electrical receptacles and ground, in accordance with the National Electrical Code.

Medical gas contractor shall be responsible for incoming piping and hook-up of all medical gas services. The medical gas contractor shall be responsible for purging, pressure testing, gas identification, and system certification in accordance with NFPA 99.

Modular Services Company shall have no responsibility or liability for delays, however caused. Owner shall hold Modular Services harmless from damages or injury related to any failure or neglect of owner, its employees, agents or licensees. Modular Services shall not be liable for consequential damages; makes no warranties, expressed or implied; and assumes no obligation other than those expressly contained herein.
WARRANTY

Modular Services Company warrants that all equipment assemblies shall be free from defects in material and workmanship for a period of 12 months from date of the owner’s acceptance to the installing contractor or the date the equipment is put into service, whichever comes first. Warranty excludes electric lamps and/or any material not furnished by Modular Services. Warranty does not cover damage due to improper storage, installation and/or abuse.

It is the responsibility of the customer to report any noted product deficiencies to Modular Services immediately upon discovery. It is the responsibility of Modular Services to expediently resolve the discrepancy. Any modification made to the product without the written authorization from Modular Services will void this warranty.

Also, in the event product modifications or repairs are made without the written consent of Modular Services, Modular Services shall not be held liable for any cost associated with the modification or repair.

There are no warranties of fitness which extend beyond the description on the face hereof.