



**MODULAR**  
SERVICES COMPANY

# INSTALLATION MANUAL

## **AMBIANCE<sup>®</sup>** **INFANT HEADWALL**



## OVERVIEW

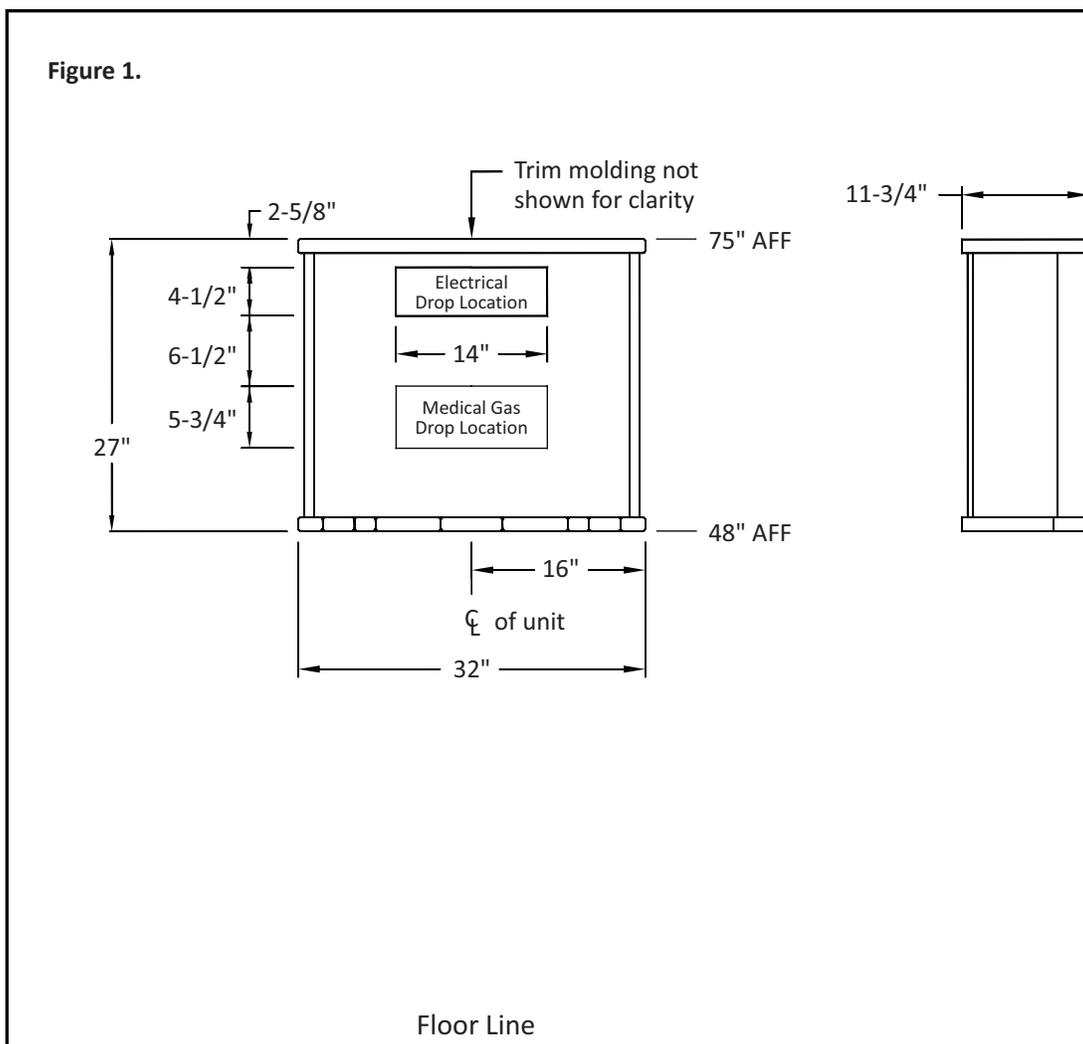
The Ambiance® Infant Headwall has an aesthetically pleasing design and is available in a selection of wood finishes. The unit has 270° bi-fold doors concealing a deep compartment for mounting flow meters, suction regulators and suction canisters, as well as connections for electrical and medical gas services. The doors close without pinching cables or tubes, providing effective cable management while services are in use.

## ROUGH-IN REQUIREMENTS

Prior to installation of the Infant Headwall, the rough-in contractor is to supply the following:

- A single-gang opening for each service. Openings are to be located in the electrical drop location. The Infant Headwall connects to the hospital circuit via flexible metal conduit with a single-gang coverplate attached.
- Gas lines stubbed through the drywall in the medical gas drop location.

For rough-in locations, see Figure 1.



## **INSTALLATION**

See project-specific elevation drawings and wiring schematics to determine individual medical gas and electrical rough-in requirements. These requirements will vary based on individual unit configurations.

### **MEDICAL GAS SERVICE CONNECTIONS**

Medical gas outlet pigtails will be 3/8" O.D. Type L copper tubing. A protective blanket should be used during brazing operations to protect electrical conduits and wiring.

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**

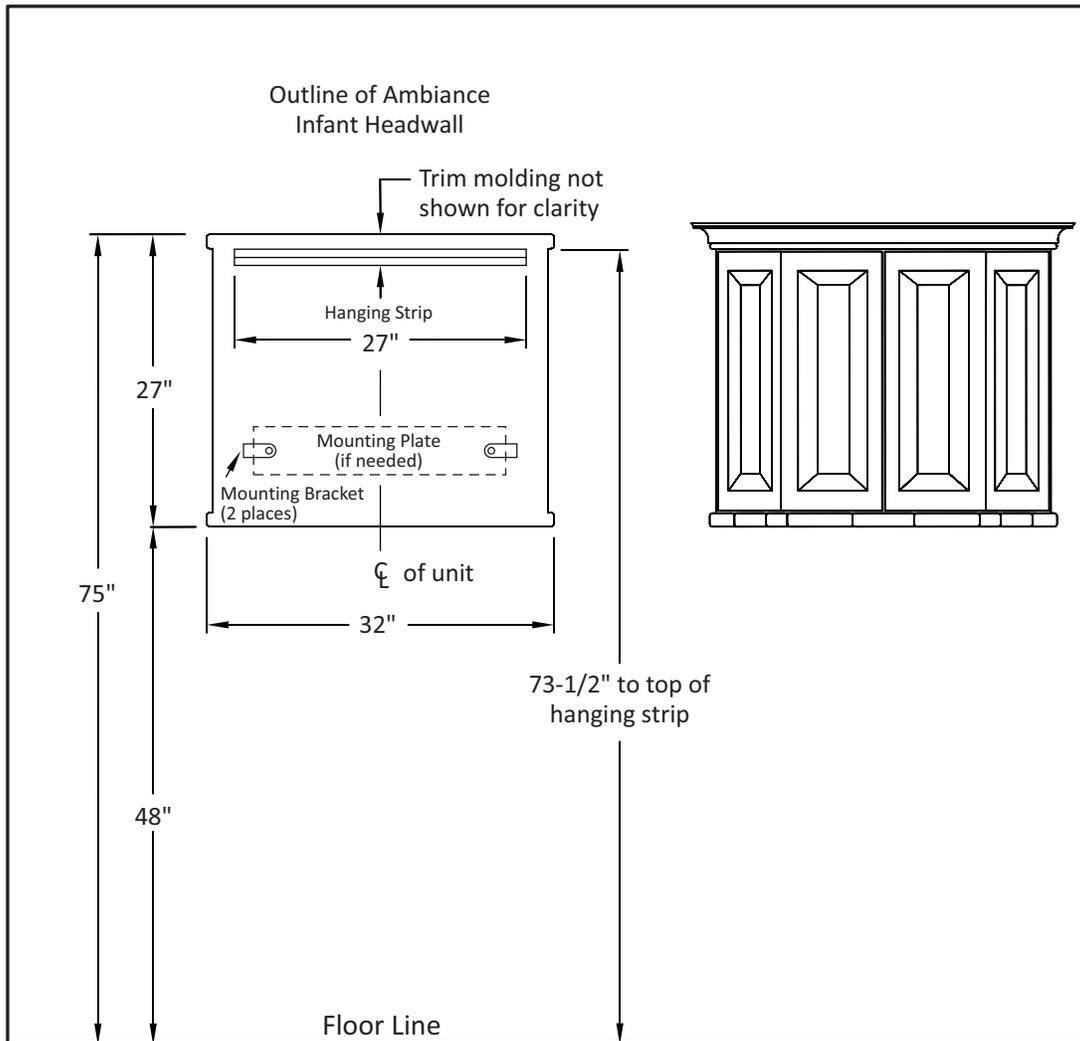
All electrical wiring and grounding will be done in accordance with National Electrical Code (NEC) requirements.

Refer to Figure 2 to determine the location of the Infant Headwall:

1. Locate the proposed unit center line and mark it on the wall at the headwall height.
2. Measure out from the center line and mark the wall to locate one end of the hanging strip.
3. Measure up from the floor and mark the wall to locate the top of the hanging strip. Using these marks and the hanger ends as guides, mark a straight horizontal line to locate the top of the hanger.
4. Locate and mark wall studs (minimum of two). Align the hanging strip and attach it to the wall through the studs, using the pan-head screws provided,
5. Remove the access panels for electric and gas locations.
6. Hang the Infant Headwall on the hanging strip and check for proper location.
7. Attach bottom of unit to wall through at least one stud, using brackets on lower portion of unit. If location prevents attachment to a stud, install a backing plate of 3/4" CDX plywood or 16 gauge steel through at least one stud and attach brackets to mounting plate.

8. Refer to project-specific elevation drawings for the internal wiring and medical gas configurations. Make connections to the medical gas, electrical and communication services in accordance with applicable national and local electrical codes. Pull in the telephone and nurse call wiring, as required. Field terminations shall be made within the unit only.
9. Reinstall center access panels and fasten with set screws.

**Figure 2.**



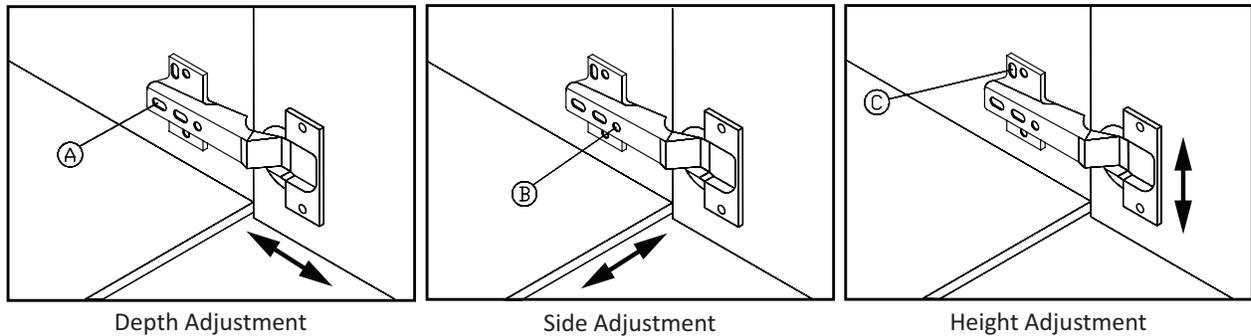
### DOOR HINGE ADJUSTMENT

**Required Tool:** Phillips screwdriver

Refer to Figure 3 and make adjustments to the door hinges, as necessary.

1. To adjust the depth of the door, loosen screw (A), move the door to the desired position, and tighten screw (A).
2. To adjust the side positioning of the door, loosen screw (B), move the door to the desired position, and tighten screw (B).
3. To adjust the height of the door, loosen screw (C), move the door to the desired position, and tighten screw (C).

Figure 3.



### INSTALLATION TERMS AND CONDITIONS

Each Modular Services Company 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 electrical conduits, wiring hook-up of electrical services, and if applicable, interconnect wiring between sections. All hardware light fixtures shall be installed, wired 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 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 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.**



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