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Installation Instructions

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Certified:

**Women-Owned
Business Enterprise**

Green Company

Small Business Enterprise



Axiom™

Stickman™ Patient Headwall

Installation Guidelines



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Photos and drawings illustrated in this manual may not be of your specific project or configuration. The techniques and instructions are representative of the product provided.

These installation guidelines describe how to install the Axiom™ - Stickman™ Patient Care Headwall.

Prior to installation, please carefully read and familiarize yourself with all of the instructions,



Prior to installation, ensure that the remaining building wall is constructed with a minimum of 20gauge steel studs on 16" (400mm) centerline spacing. Failure to adhere to this specification may result in the insufficient support of the Stickman Headwall, with possible personal injury.

Type of building wall [standard, seismic, and/or fire-rated] is determined by the construction drawings. Use fasteners that are appropriate to the wall type. Fasteners are supplied by the installer.

Review the approved submittal drawings for the location of junction boxes and medical gas piping.

The Stickman Headwall will be shipped marked with the headwall serial number [see submittal drawings] as well as the Room Number [when available]

The shipment contains:

1. The basic structure [shipped in sections if project appropriate] with electrical devices pre-installed and wired to junction boxes at the top of each section, medical gas outlets, pre-installed and piped for connection at the top of the section, and rough-in boxes for communication [low voltage] pre-installed and piped for connection to junction box(es) at the top of the section. [pull string included]
2. Medical Gas Front Latch Assembly [e.g. Front bodies]
3. Device cover plates
4. Fasteners for between sections [when shipped in sections] [note fasteners to adjacent studs are not provided]



Locate and Mark on the floor the center line where the Array Headwall will be located. This is typically the same centerline as the bed, however this may vary, please check the contract drawings for the desired centerline.

Fabricating the Wall with a Stud Void

1. Stud the wall as normal until the location [check contract drawings] where the prefabricated structure starts. The last stud before the void should be oriented with the flat side of the stud facing the void. Leave a stud void for the width of the complete headwall as per submittal drawings.
2. Resume your studs at the specified distance leaving an opening, or Stud Void, where the HSI prefabricated unit will fit. The first stud on the far side of the void should be oriented with the flat side of the stud facing the void.
3. Contractor to provide bottom and top tracks spanning the stud void.



If the studs are not oriented so that the flat side is towards the void, the fastening of the HSI Stickman to the existing stud wall will not be adequately secure.

Starting Section

For a Single Section Unit

1. Lift the Stickman out of the packaging and place it in the stud void starting orienting the assembly according to the submittal drawings.
2. Attach the first stud of the Stickman to the last contractor furnished stud [should now be fit together in the void] with the appropriate screws.
3. Attach the last stud of the Stickman to the first wall stud on the far side of the void.

For a Multiple Section Unit

1. Lift the Stickman out of the packaging and place it in the stud void starting from the side specified on the section [L for Left side of void when facing it and R for right side of void].
2. Attach the first stud of the section to the last contractor furnished stud [should now be fit together in the void] with the appropriate screws [contractor furnished]
3. Lift the next section out of the packaging. Check the markings on the section against the submittal drawings to ensure location.
4. Using the 1/4-20 bolts and nuts, tie the Sections together through the pre-drilled holes in the studs.
5. Continue lifting out and tying together the sections until the void has been filled with the Stickman. Tie the last stud of the last section to the first stud of the wall studs with the appropriate hardware [contractor furnished].

Check that the alignment between sections is correct and that the bolts between sections are tight.



Check that the fasteners tying the final studs of the Stickman on the right and the left of the void to the building wall studs are tight and that the sections do not move.

Connections

- Electrical contractor can now make the connections at the junction boxes for the receptacles
- Nurse Call/Communication contractor can pull in cabling for nurse call, data etc. [Do not install LV devices at this time]
- Medical gas connections can be made by the medgas contractor.
- Medgas Fronts should be temporarily installed for the testing.

Testing

Electrical and medgas test should be done at this stage.

Special Notes on testing Medical Gas piping NFPA (2005)
For Pressure Lines [i.e. OXY, AIR,]

Initial Pressure Test [5.2.12.2.3.5]. 150psi maintained until each joint as been examined for leakage

Initial Standing Pressure Test [5.2.12.2.2.7.4]. 20% above working pressure, usually 65psi maintained for 24 hours with less than 5psi drop.



For Vacuum Lines

Initial Pressure Test [5.2.12.2.3.6]. 15psi maintained until each joint as been examined for leakage

Initial Standing Pressure Test [5.2.12.2.2.8.1]. 19" HgV for 24 hours which shall not drop to less than 12"HgV.

Do Not test vacuum system with pressures above 15psi

Finishing

The wall should be finished with the appropriate finishes according to the construction documents.



Do not substitute any finishes for one that varies from the specified thickness. The Stickman is designed and fabricated to the specified finish depths and deviation there from will cause the faceplates and latching assemblies to either sit proud or not attach properly.

Device Cover Plates

Device cover plates and medgas latching plates may now be installed.