

# Freedom Series Recessed Panel Wall System

## General Specifications

The Amico Panel Wall System shall be manufactured by Amico Corporation, in accordance with job specific shop drawings and documents. The following is a general specification, and components listed may not be present or required in final product.

The Amico Panel Wall System is listed by Underwriters Laboratories Inc. (UL) in Canada and the United States of America. Amico Corporation manufactures all products in accordance with the CSA Z7396.1-06 standard, National Fire Protection Association (NFPA), NFPA-99c (current edition), National Electric Code (NEC), and the Canadian Electrical Code (CEC).

### The Panel Wall is Made Up of Several Integral Components:

- Studded or non-studded vertical sections where the services are located. These components have built vertical and /or horizontal rails systems and reveals as well as laminate finished front panels attached. These components are installed at the framing stage in the construction schedule (prior to drywall installation). Electrical and med gas terminations are located above the ceiling; please refer to approved submittal drawings for project-specific details
- Studded or non-studded rough-in assemblies for the middle section at the bed area. Electrical and med gas terminations are located above the ceiling; please refer to approved submittal drawings for project specific details.
- Central section aluminum front frame assembly with removable laminate panels (for bed area). This component is located between the vertical sections (Listed at #1) .The frame is installed on the finish wall and has built in horizontal aluminum reveal or rails. It can accommodate a bed locator system or bed bumpers for wall protection. Removable panels can accommodate cut outs for in-wall services in this area. Please refer to approved submittal drawings for project specific details.
- Left/Right sections aluminum front frame assembly with removable laminate panels. These components are located to the left and right of vertical sections (listed at #1) .The frames are installed on the finish wall and have a built-in horizontal aluminum reveal or rails. Removable panels can accommodate cut outs for in-wall services located at these areas.



Please refer to approved submittal drawings for project specific details.

- Cabinets for IT stations, patient lift station or glove storage components. These components are made of particle board with laminate finish. Please refer to approved submittal drawings for project specific details.
- Decorative wood valance. Can be installed on the front or top of the panel wall. Can accommodate LED lights. Please refer to approved submittal drawings for project specific details.

## Submittals and Verifications

Job specific shop drawings shall be produced for each project. These shop drawings will clearly indicate the area of Medical Gas termination, and electrical connection points inside the Headwall System. As Built drawings will be produced, and emailed at the time of shipment.

Amico Corporation will manufacture equipment as per signed approval drawings and verifications documents, which are provided in the job specific submittal package.

Rough-in assembly enclosure consists of Ga.16 galvanized steel. Stud frame, where applicable, consists of Ga.18 stud/track, size to be determined based on final approval drawings and rough-in. Aluminum front frame assembly has integrated vertical and horizontal rails if project requires.

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The Panel Wall System has integrated electrical raceways and conduit, providing a single area connection for electrical wiring for each type of power (critical, normal and low voltage/communication).

All medical gas piping shall be hard-piped (no flexible gas hose) and brazed to a single point of connection.

## Materials and Construction

### Integrated Accessory Rails

Numbers of integrated rails (horizontal and vertical) are to match final shop drawings. Accessory rails are clear etched anodized.

### Fascia

Laminated aluminum finish where devices are located. All other fascia to be laminated MDF. All Fascia panels (aluminum and laminated MDF) shall be removable for access for easy installation and maintenance of headwall services.

### Medical Gas Outlets

Amico Corporation, DISS or Quick connection type, Console Style.

### Medical Gas Manifold

Medical gas distribution shall be supplied by pipe drops to the single point connection above the unit as indicated on the drawing. All Medical Gas Outlets and piping shall be brazed and tested in accordance with CSA Z7396.1-06 standard and NFPA-99c. All Medical Gas piping shall be Type L copper pipe. Each outlet, piping and manifold shall pass a 24 hour standing pressure test.

### Electrical Wiring

Wire for standard and critical branch power circuits shall be #10 or #12 (as specified) type THHN stranded copper wire, 600 volt, with heat resistant thermoplastic insulation for hot (black) and neutral (white). Grounds shall be #10 THHN stranded copper wire (green). All ground conductors shall be installed in conduit.

### Grounding and Bonding

All ground conductors shall be installed in conduit or raceway. Each power receptacle shall have a ground conductor connected to a grounding screw. Where electrical terminations are located inside the Freedom Series Panel Wall, a grounding bus will be installed for each type of power, and shall be installed as to insure grounding for the complete power system.

### Low Voltage Data Provisions

Shall be connected to device junction box via conduit or raceway. Amico Corporation shall include pull cord extending from junction box to service provision. Telephone Nurse Call patient station device shall be furnished, installed and wired by Low Voltage contractor.

### Electrical Receptacles

Shall be Hospital Grade 15 or 20 amp, 120 or 277 volt, UL listed and marked Hospital Grade. Amico shall furnish and install receptacles with wiring required, as shown on submittal shop drawings. Electrical contractor shall insure compatibility of plug on accessory equipment to be used with these devices:

**Duplex Receptacles** shall be NEMA style 5-15R or 5-20R, color Ivory for use on normal power circuits, and color Red for use on critical branch power circuits.

### Warranty

Complete assembly including gas outlets shall have a 5 year warranty. 1 year parts and labor and 4 additional years parts only, for a total of 5 years.

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