

# Serenity Series Recessed Panel Wall System

## General Specifications

The Serenity Series Recessed 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 Serenity Series Recessed 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:

- Vertical sections where the services are located. These components have optional vertical and/or horizontal rails systems and reveals as well as 3D wrap finished front panels attached. These components are installed at the framing stage in the construction schedule (prior to drywall installation). Electrical and medical 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 3D wrap panels (for bed area). This component is located between the vertical sections. The frame is installed on the finish wall and has built in horizontal aluminum reveal or rails. It can accommodate 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.
- Cabinets for IT stations, patient lift station or glove storage components. These components are made of MDF with 3D wrap finish. Please refer to approved submittal drawings for project specific details.
- Decorative wood valance. These can be installed on the front or top of the panel wall and 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 panel wall 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 stud/track, size to be determined based on final approval drawings. Aluminum front frame assembly has integrated vertical and horizontal rails if project requires.

Each vertical section has integrated electrical raceways and conduit, providing single point connection for all electrical power type (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.

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## Materials and Construction

### Integrated Accessory Rails (Optional)

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

### Fascia

3/8" MDF with 3D wrap finish (typical). All fascia panels shall be removable for access and easy installation or maintenance of panel wall services using the spring clip system.

### 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 Serenity 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 Corporation 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, in ivory color for use on normal power circuits, and in red color 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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