

Regal Series Recessed Flatwalls

General Specifications

The Amico Regal Series Recessed Flatwall shall be manufactured by Amico Corporation, in accordance with job specific shop drawings and documents. The complete Flatwall assembly shall be cULus listed. The following is a general specification, and components listed may not be present or required in final product.

The Regal Series Flatwall System is listed by Underwriters Laboratories Inc. (UL) in Canada and the United States of America. This product also complies with the seismic requirements of, and is approved by the State of California's Office of Statewide Health Planning and Development (OSPHD). Amico Corporation manufactures all products in accordance with the National Fire Protection Association (NFPA), NFPA-99c (current edition) and National Electric Code (NEC).

The installation contractor is responsible for compliance with all local, state, and federal codes applicable to the installation of medical gas and electrical systems.



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 outside the Flatwall 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.

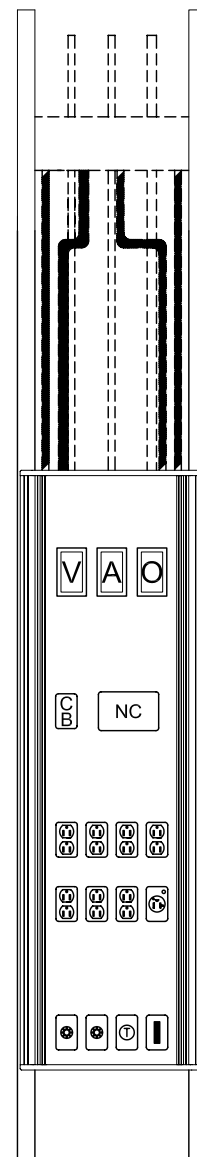


Figure 1. Regal Series 14" (356 mm) Recessed Flatwall

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Materials and Construction

Enclosure shall be constructed of one piece galvanized steel back box to provide a modular unit with accessory rails for equipment management.

Standard widths of the Regal Series Recessed Flatwall are 14" (356 mm) and 19" (483 mm). Standard heights are 55" (1397 mm) and 72" (1829 mm) heights. The Regal Recessed Flatwalls can be single sided or back to back and come equipped with a stud assembly.

Each headwall system shall contain electrical conduit to enclose electrical wiring for each type of power (critical, normal and low voltage/communication).

All med gas piping shall be hard-piped and brazed to a single point of connection. Med gas pipes will terminate above the ceiling line.

Accessory Rails

The Recessed Flatwall System has two (2) accessory channels. The accessory channels are clear etched anodized or powder coated aluminum.

Fascia

Single piece of laminated or powder coated aluminum.

Medical Gas Outlets

Amico Corporation manufactures several compatible connection types for Medical Gas and Vacuum Outlets. The outlet connection type shall be as called for on the signed approval documents.

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 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 type R THHN stranded copper wire (green). All ground conductors shall be installed in conduit.

Grounding and Bonding

All ground conductors shall be installed in conduit. Each power receptacle shall have a ground conductor connected to a grounding screw. A grounding bus will be installed in each device barrier box, and shall be installed as to insure grounding for the complete power system.

Electrical Receptacles

Shall be Hospital Grade 15 or 20 amp, 120 or 277 volt, UL listed and marked Hospital Grade. Quantity and type as shown on drawings. 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.

Simplex 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.

Safety Receptacles (if required) shall be duplex type, 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. Receptacles shall limit proper access to energized contracts and shall accept both 2 wire and 3 wire plugs.

Locking Receptacles (if required) shall be simplex type, 20 amp, 120 or 277 volt, color black, and be HUBBELL lock 23000 HG style, or equivalent.

Low Voltage Data Provisions

Shall be connected to device junction box via conduit. Amico Corporation shall include pull cord extending from service provision to electrical termination point. Telephone jack, Blank faceplates, Data port or other Low Voltage device shall be furnished, installed and wired by Low Voltage contractor.

Switching

Shall be Industrial Grade 120 or 277 volt, 15 or 20 amps. Switch type options include SPST, 3-Way or Momentary, as shown on submittal shop drawings. Low Voltage Switching will be 0-12 volts, 15 amps unless otherwise noted. Amico Corporation shall furnish, pre-install and wire all switches.

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Lighting (Optional)

Direct, Indirect and night light lighting can be provided by the Amico 3' or 4' overbed or ceiling lighting system. These fixtures provide lighting on and above the patient bed. Each fixture shall accommodate three (3) fluorescent bulbs (supplied by others) and one (1) LED bulb (supplied by Amico).

Installation

Mounting and final connections are the responsibility of the installing contractor. This includes receiving, storage, erection, overhead bracing, clean up, touch up, and carton disposal. The contractor shall supply all necessary installation materials, including such items as tools, fasteners, calking and electrical lamps.

The electrical contractor shall be responsible for the final electrical hook-up at service connection locations, as well as interconnection wiring on multi-sectional units. Once the installation is complete, the electrical contractor shall test equipment function and high voltage services / grounding in accordance with local electrical code requirements. It is the responsibility of the hospital and/or the approval authority to notify Amico if Local electrical code varies or differs from that of NEC. Amico manufactures all products in accordance with NEC (current edition).

The medical gas contractor shall be responsible for piping and final connection of all medical gas services. Amico Corporation will manifold medical gas plumbing internal to the Headwall System, and provide single point of connection as per the submittal documents. The medical gas contractor shall be responsible for purging, pressure testing, gas identification and system certification in accordance with NFPA 99c (current edition) or CSA-Z7396.01-06.

Please refer to the Regal Series Recessed Flatwall installation instructions for further detail.

Optional Equipment

Amico Accessories

Shall be provided in the quantities and types as ordered. Accessories shall be installed by others, in the locations determined by the end user. Please see the Amico Accessories catalog for additional product and mounting information.

Product Code Definition

FWXXXX-RC-CAR-P

- XXXX = Variable Width/Height (e.g. 1907)
- CAR = Care Level (GEN, ICU, etc)
- P = Private or Semi-Private (P, S)

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