MODULAR
SERVICES COMPANY

# INSTALLATION MANUAL

## BED DOCKER

### Model BD 600/601

## OVERVIEW

The Modular Services Bed Docker provides a “docking” location for the patient bed with connections for electrical devices on each side. All connections are pre-wired to service termination locations.

The Bed Docker incorporates a 16-gauge steel housing for installation of the electrical devices, and is trimmed with a single-piece, high-impact Kydex® cover.

## PREPARATION

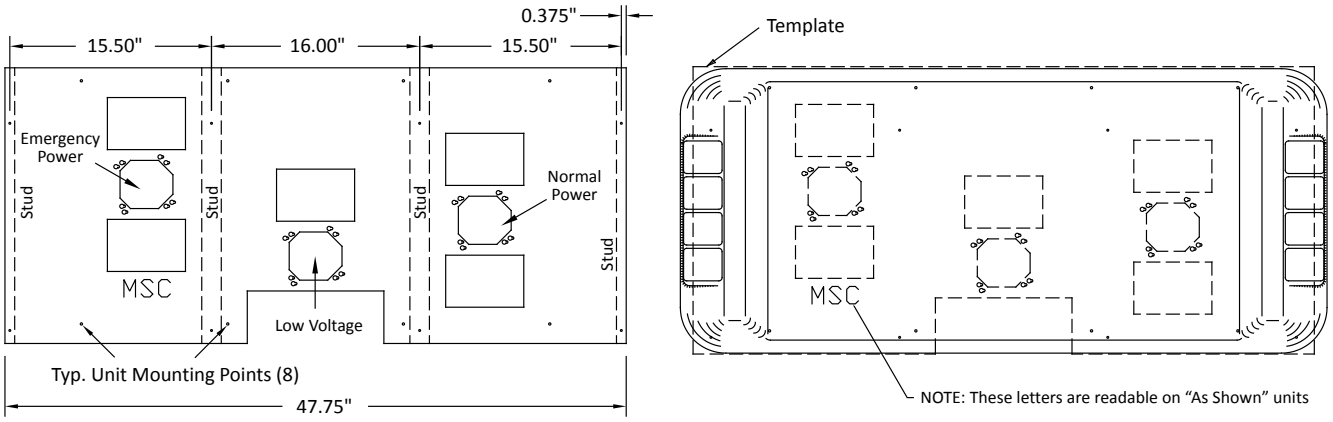
1. Review final approved shop drawings and submittal booklet. These documents will provide you with technical details specific to your installation, such as:
   - Wiring diagrams
   - Equipment types and quantities
   - Shop drawings of each type unit
   - Room numbers and location in the facility (if applicable)
2. Locate the carton for the unit you wish to install. Labels at each end of the carton identify the unit type and general description of contents, as well as the room number or area of installation (if applicable).

## INSTALLATION

1. The Bed Docker includes a template for locating electrical backboxes that may be installed in the building wall of new construction prior to the installation of 5/8" gypsum wall board (see Figures 1 and 2). This template is shipped separately, if required.

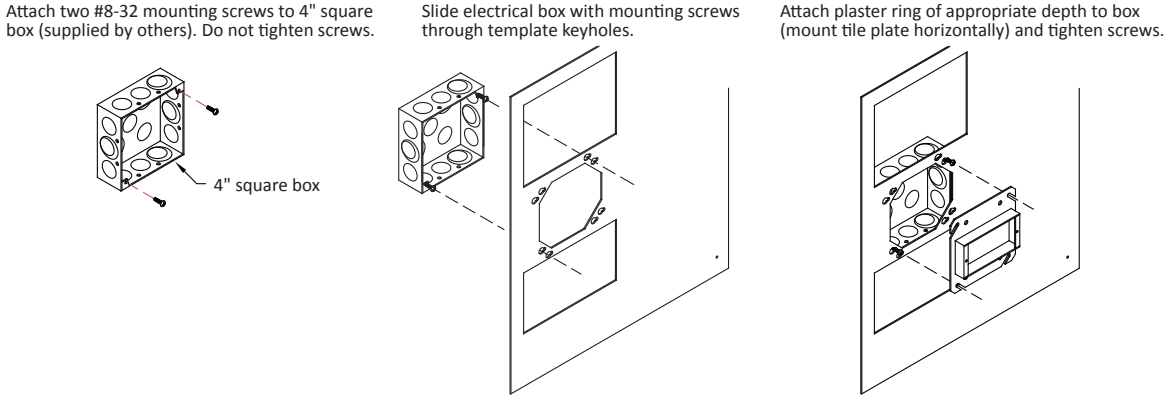
**Figure 1.**

BED DOCKER SERVICE TEMPLATE (note required stud spacing)
**AS SHOWN - REVERSE FOR OPPOSITE**




(Refer to approved submittal drawings for correct unit height AFF)

**Figure 2.**



2. After unpacking the unit, remove device cover plates from each device. Lift the outer cover from the Bed Docker chassis (Figure 3) and remove the electrical raceway cover by removing four screws.
3. Using a stud finder, locate the position of wall studs and mark their location.
4. Locate junction boxes (J1–J3), as shown in Figure 4.

**Figure 3.**

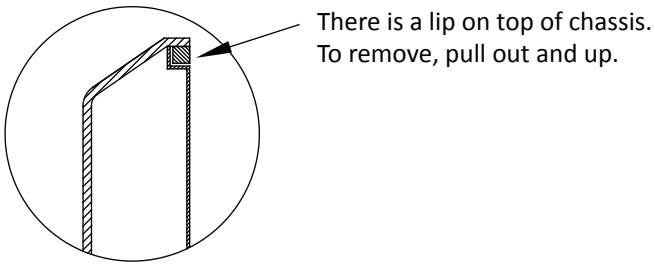
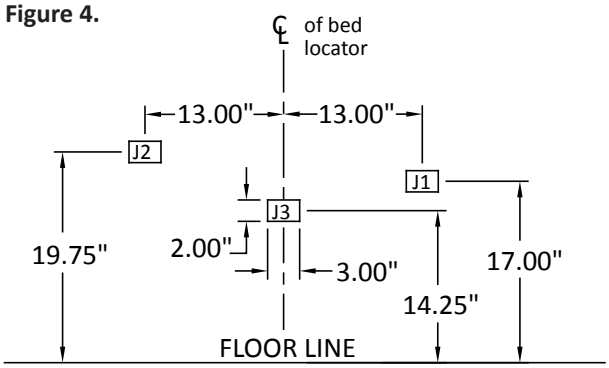
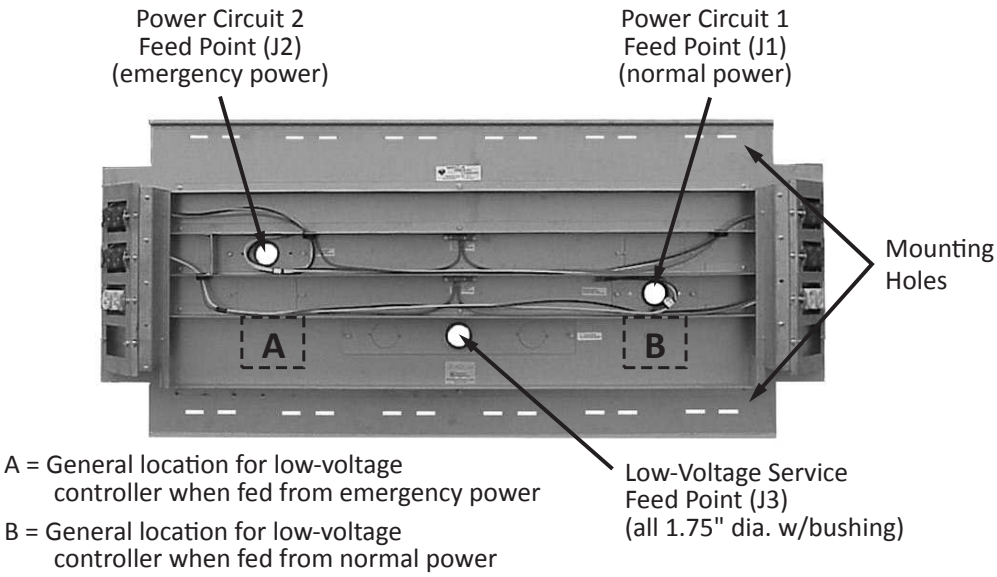



**Figure 4.**




5. Position chassis to line up with junction boxes in wall, then attach to wall at the top mounting holes (Figure 5). Mounting holes are arranged so that access to at least two wall studs (on 16" centers) is always possible.
6. Ensure unit is level, then tighten screws firmly. Further secure unit to wall at the bottom mounting holes.

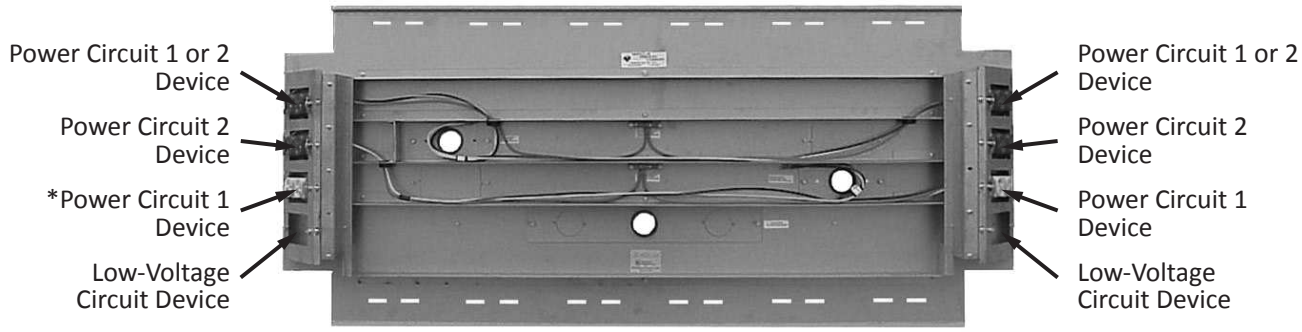
**Figure 5.**



## ELECTRICAL CONNECTIONS

1. Mount service covers, pulling service connections through the holes with bushings (Figure 6). Secure service covers to junction boxes with two screws each.
2. Ensure all electrical power circuits are locked off prior to connection of electrical services.
3. Review wiring diagram or shop drawing for wiring specifications specific to your particular installation requirements. (See Figure 6 for typical wiring specifications.)
4. Connect all electrical service according to wiring diagram, carefully observing labels on service connection junction boxes.
5. Test equipment in accordance with NFPA 70 (National Electrical Code), in addition to any applicable state or local codes.
6. Replace electrical raceway cover.
7. Replace Bed Docker shell.
8. Replace electrical device cover plates.

**Figure 6.**




*Raceway for Power Circuit 1 should be the same circuit as the lighting circuit when the low-voltage switching option is used

## INSTALLATION TERMS AND CONDITIONS

Each Modular Services 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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