

102500-H: SERVICE WALL (HEADWALLS)

GENERAL

In general, follow the guidelines below when designing and specifying medical headwalls. Unless specifically indicated otherwise, these guidelines are not intended to restrict or replace professional judgment. All headwalls must comply with all applicable codes and regulatory requirements, as listed in [1.0](#) "Codes and Regulatory Agencies".

1. **HEADWALLS:** In general, pre-manufactured headwall assemblies are not used in MM facilities. Instead, the utilities are field installed in the metal stud partition.
2. **HEADWALL ASSEMBLIES:** The decision to install a prefabricated headwall, headwall column, or mount all utilities into the architectural wall shall be made on a case-by-case basis in consultation with the MM Design Manager and the entire design team.
3. **INVESTIGATIVE HEADWALL MEETING:** During the Investigative phase of the project, an investigative headwall meeting is required. This meeting will be an overall discussion of what utilities are required in the headwall, and in what quantities, so that a detailed cost estimate can be completed. A preliminary decision regarding prefabricated headwalls or columns should be made during the investigation.
4. **HEADWALL DESIGN MEETING:** A minimum of one mandatory headwall design meeting shall take place in the Design (Design Development/Construction Document) phase of the project, with the following mandatory attendees:
 - a. Departmental Representatives
 - b. MM Project Design Manager
 - c. MM Capital Equipment Planner
 - d. MM Interior Designer
 - e. MM Project Electrical Engineer
 - f. MM Project Mechanical Engineer
 - g. MM Biomedical Engineering Staff (monitoring, TV, nurse call representatives)
 - h. Consulting Architect
 - i. Consulting Electrical Engineer
 - j. Consulting Mechanical Engineer
 - k. MM Maintenance Staff
 - l. MM Safety Management (Ergonomics)
5. **MOCKUP:** A mandatory mock up must be conducted for any new headwall. Where a proposed headwall is to be an exact duplication of an existing headwall, the existing headwall can serve as the mockup. A full scale (1" = 1") line drawing shall be mounted to the wall in the location identified for the mockup, and actual equipment will be brought into the mock up space for review and comment. Clearances around actual equipment and accessories (for example, above vacuum slides), mounting heights, quantities and locations will be reviewed. Comments from the following reviewers shall be solicited and reviewed at a final mockup review meeting:
 - a. Departmental Representatives
 - b. MM Project Design Manager
 - c. MM Capital Equipment Planner
 - d. MM Interior Designer
 - e. MM Project Electrical Engineer
 - f. MM Project Mechanical Engineer
 - g. MM Biomedical Engineering Staff (monitoring, TV, nurse call representatives)
 - h. Consulting Architect
 - i. Consulting Electrical Engineer
 - j. Consulting Mechanical Engineer
 - k. MM Maintenance Staff
 - l. MM Safety Management (Ergonomics)

- 6. UTILITIES, EQUIPMENT AND ACCESSORIES:** A number of utilities, including the following, may be included in the headwall. This list will be customized to each project, with both additions and subtractions. Many of these items are discussed in other Design Guideline divisions.
- a. Power (normal and emergency)
 - b. Nurse call
 - c. Code Blue
 - d. Television Controls
 - e. Lighting Controls (Note: ceiling mounted lights are preferred, rather than wall-mounted lights.)
 - f. Medical gases
 - g. Vacuum slides
 - h. Clocks
 - i. Elapsed time indicator
 - j. Telephone
 - k. Data Receptacles
 - l. RO Water
 - m. Cabinetry
 - n. Medical Rails
 - o. Accessories
 - p. Monitoring
 - q. Wall mounted computer workstations
- 7. WALL PROTECTION:** The protection of the headwall from damage by beds, equipment, carts, fluids and ongoing wear and tear should be carefully reviewed. A system should be installed to keep beds and equipment from touching the wall, while still permitting staff and equipment full access to the head of the patient and not becoming a trip hazard. The use of wall protection systems is required. Where bed and cart impact is anticipated, impact resistant gypsum board, and/or plywood behind the gypsum board, should be provided.
- a. The MM Standard is a solid surface plastic material (such as Corian) is installed from the flooring to approximately 52" AFF; the wall should be detailed such that there is non-combustible plywood behind the solid surface material, and that the solid surface wainscot is flush with the upper portion of the wall, typically painted gypsum board.
 - b. Refer to 102600-H, Wall Protection