

SECTION 09 20 00 - PLASTER AND GYPSUM BOARD

PART I - GENERAL

1.1

For discussion on permitted locations of metal stud and gypsum board wall construction, see General Guidelines/Walls, Partitions. Most locations require masonry partitions.

PART 2 - PRODUCTS

2.1 FURRING

- A. 22 Gage: All metal furring channels shall be 22 gage (minimum) galvanized steel.

2.2 LOAD BEARING and NON-LOAD-BEARING WALLS

- A. 20 Gage: Metal studs and runners shall be 20 gage (0.0359 inch) minimum. "Equivalent gage" products, that is studs that are manufactured out of a thinner metal, but formed with dimples or other means of making the stud stiffer, are not permitted. Architects are to edit their specifications to ensure that such products are not inadvertently permitted through vague language.
- B. Gypsum Board – At any locations where gypsum board is permitted, any gypsum other than that which is on a ceiling or soffit must be abuse resistant. All gypsum board must be a minimum of 5/8" thick unless it is used in a multi-layer, laminated application.
- C. Accessories and trim – All trim and accessories shall be metal and shall be screwed to the stud framing.
 - 1. At all locations where gypsum board abuts a dissimilar material, the edge of the gypsum board shall be covered with a metal J bead that is screwed to the framing or blocking.
 - 2. At all outside corners, all corners shall be metal corner bead, screwed to the framing.
 - 3. All other accessories shall be metal, and shall be screwed to blocking or framing.
- D. Taping Drywall.
 - 1. Rated Construction: In the event that a variance is granted to use stud and gypsum construction in a building, some of these partitions may be required to be fire rated. In no case shall self-adhesive "fire tape" be used, regardless of whether the product carries a UL label. All joints in partitions required to be fire taped shall have tape fully embedded in drywall compound in accordance with UL assembly requirements.
 - 2. Non-rated construction: In other cases there may be locations in above the ceiling or attic areas where the assembly is not required to carry a fire rating, but the construction documents may call for the assembly to be "fire taped" to provide some level of sound, odor and/or smoke control. Self-adhesive tape is not permitted in these areas. Tape must be embedded in joint compound in accordance with a level 1 finish as described in the Gypsum Construction Handbook.

2.3 CEILING SUSPENSION

- A. Gypsum: Gypsum ceilings shall be at least 5/8 inch thick, Type X.
- B. Channels: Suspension systems shall consist of 1 1/2 inches thick steel channels installed every 4 feet with #9 hanger wire, and galvanized hat channels attached at 16 inches O.C. Metal studs or joists installed every 16 inches O.C. are also acceptable. *[Note to AE:*

Manufactured gypsum suspension systems must be approved by F&S before specifying these systems in the Contract Documents.]

PART 3 - EXECUTION

3.1 FURRING

- A. Fasteners: Furring shall be attached with screws or powder-actuated fasteners every 16 inches minimum, without or in combination with adhesives.
- B. 16 Inch Spacing: All furring and strapping shall be spaced no greater than 16 inches on center.

3.2 NON-LOAD-BEARING WALL FRAMING

- A. Self-tapping Screws: Metal studs shall be fastened to runners with self-tapping screws, with at least one screw on each side of the stud.

3.3 CEILING SUSPENSION

- A. Screws: Gypsum shall be attached to framing with screws at a minimum distance of every 8 inches.

END OF SECTION 09 20 00

This section of the *U of I Facilities Standards* establishes minimum requirements only.
It should not be used as a complete specification.