

SECTION 09260 - GYPSUM BOARD ASSEMBLIES**PART 1 - GENERAL****1.1 SECTION REQUIREMENTS**

- A. Submittals: Product Data.
- B. Fire-Resistance-Rated Assemblies: Provide materials and construction identical to those tested in assemblies per ASTM E 119 by an independent testing and inspecting agency acceptable to authorities having jurisdiction.
- C. STC-Rated Assemblies: Provide materials and construction identical to those tested in assemblies per ASTM E 90 and classified per ASTM E 413 by a qualified independent testing and inspecting agency.

PART 2 - PRODUCTS**2.1 METAL FRAMING AND SUPPORTS**

- A. Steel Framing Members, General: ASTM C 754.
 - 1. Steel Sheet Components: ASTM C 645, with manufacturer's standard corrosion-resistant zinc coating.
- B. Suspended Ceiling and Soffit Framing:
 - 1. Tie Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.0625-inch (1.59-mm) diameter, or double strand of 0.0475-inch- (1.21-mm-) diameter wire.
 - 2. Wire Hangers: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 0.162-inch (4.12-mm) diameter.
 - 3. Carrying Channels: Cold-rolled steel, 0.0538 inch (1.37 mm) thick, 2-1/2 inches (63.5 mm) deep, typical. Provide min. 20ga framing for 3-5/8 inch deep channels where supporting cement board.
- C. Partition Framing:
 - 1. Studs and Runners: In depth indicated 0.0179 inch (0.45 mm) thick, unless otherwise indicated.
 - 2. Rigid Hat-Shaped Furring Channels: In depth indicated and 0.0179 inch (0.45 mm)m] thick.

2.2 PANEL PRODUCTS

- A. Provide in maximum lengths available to minimize end-to-end butt joints.
- B. Gypsum Wallboard: ASTM C 36, in thickness indicated, with manufacturer's standard edges. Type as required for specific fire-resistance-rated assemblies; and sag-resistant type for ceiling surfaces.
- C. Water-Resistant Gypsum Backing Board: ASTM C 630, in thickness indicated. Regular type, unless otherwise indicated.

2.3 ACCESSORIES

- A. Trim Accessories: ASTM C 1047, formed from galvanized or aluminum-coated steel sheet, rolled zinc, or plastic. Use hot-dip galvanized steel sheet or rolled zinc at exterior soffits.
 - 1. Provide cornerbead at outside corners, unless otherwise indicated.
 - 2. Provide LC-bead (J-bead) at exposed panel edges.
 - 3. Provide control joints where indicated.
- B. Joint-Treatment Materials: ASTM C 475.
 - 1. Joint Tape: Paper, unless otherwise recommended by panel manufacturer.
 - 2. Joint Compounds: Drying-type, ready-mixed, all-purpose compounds.
 - 3. Cementitious Backer Unit Joint-Treatment Materials: Products recommended by cementitious backer unit manufacturer.
- C. Acoustical Sealant for Exposed and Concealed Joints: Nonsag, paintable, nonstaining latex sealant complying with ASTM C 834.
- D. Sound-Attenuation Blankets: ASTM C 665, Type I (unfaced).
- E. Miscellaneous Materials: Auxiliary materials for gypsum board construction that comply with referenced standards.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install steel framing to comply with ASTM C 754 and with ASTM C 840 requirements that apply to framing installation and with United States Gypsum's "Gypsum Construction Handbook."
- B. Isolate steel framing from building structure, except at floor, to prevent transfer of loading imposed by structural movement.
 - 1. Where studs are installed directly against exterior walls, install [asphalt-felt] [or] [foam-gasket] isolation strip between studs and wall.
- C. Install and finish gypsum panels to comply with ASTM C 840 and GA-216.
 - 1. Isolate gypsum board assemblies from abutting structural and masonry work. Provide edge trim and acoustical sealant.
 - 2. Single-Layer Fastening Methods: Fasten gypsum panels to supports with screws.
 - 3. Multilayer Fastening Methods: Fasten base with screws, and face layers to base layers with adhesive and supplementary fasteners.
- D. STC-Rated Assemblies: Comply with ASTM C 919 for location of edge trim and closing off sound-flanking paths around or through gypsum board assemblies.
- E. Fire-Resistance-Rated Assemblies: Comply with requirements of listed assemblies.
- F. Finishing Gypsum Board Assemblies:

1. Unless otherwise indicated, provide Level 4 finish: Embed tape and apply separate first, fill, and finish coats of joint compound to tape, fasteners, and trim flanges.
2. At concealed areas, unless a higher level of finish is required for fire-resistance-rated assemblies, provide Level 1 finish: Embed tape at joints.
3. At substrates for tile, provide Level 2 finish: Embed tape and apply separate first coat of joint compound to tape, fasteners, and trim flanges.
4. At cement board ceilings, provide Level 4 finish using a textured acrylic finish with fiber mesh by Dryvit or approved equal.

END OF SECTION 09260