

SECTION 09260

GYPSUM BOARD SYSTEMS

1 PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract including General and Supplementary Conditions and Division 1 specification sections apply to Work of this section.

1.2 SUMMARY

- A. Gypsum board with joint treatment.
- B. Light Gauge Metal Framing Members (Option)
- C. Metal channel wall and ceiling framing.
- D. Acoustic insulation.

1.3 SYSTEM DESCRIPTION

- A. Conform to applicable code for fire rated assemblies and as follows:
 - 1. Fire Rated Partitions: Listed assembly by UL.

1.4 SUBMITTALS

- A. Product Data: Submit data on gypsum board products and accessories.

1.5 QUALITY ASSURANCE

- A. Perform Work in accordance with ASTM C840. GA-201 - Gypsum Board for Walls and Ceilings. GA-214 - Recommended Specification: Levels of Gypsum Board Finish. GA-216 - Recommended Specifications for the Application and Finishing of Gypsum Board. GA-600 - Fire Resistance Design Manual.

2 PART 2 PRODUCTS

2.1 GYPSUM BOARD SYSTEM

- A. Manufacturers:
 - 1. Gypsum Boards and Related Products:
 - a. Domtar Gypsum Co.
 - b. Georgia-Pacific Corp.
 - c. Gold Bond Building Products/Div. National Gypsum Co.
 - d. United States Gypsum Co.

2. Gypsum Sheathing:
 - a. Georgia Pacific Corp.
 - B. Furring, Framing, and Accessories: ASTM C645. GA-216, and GA-600.
 - C. Glass Mat Faced Gypsum Sheathing: 5/8" (15.9mm) thick x 4' x 8', gypsum sheathing manufactured in accordance with ASTM C 1177 with glass mats both sides and long edges, water-resistant treated core, Noncombustible when tested in accordance with ASTM E 136, Flame spread 10, smoke developed 0, when tested in accordance with ASTM E 84, Type X as defined in ASTM C 36 when tested according to ASTM E 119, G-P Densglass Gold, or equal.
 - D. Gypsum Board Types: 5/8 inch thick, maximum available length in place; ends square cut, tapered edges; unless noted otherwise as follows:
 1. Standard Type: ASTM C36
 2. Fire Rated Type: ASTM C36 fire resistive, UL rated.
 3. Moisture Resistant Type: ASTM C630
- 2.2 STEEL FRAMING COMPONENTS: (Option for interior non-load bearing partitions)
- A. Manufacturers:
 1. Steel Framing and Furring:
 - a. Bostwick Steel Framing Co.
 - b. Dale Industries Inc.
 - c. Dietrich.
 - d. Gold Bond Building Products/Div. National Gypsum Co.
 - e. Incor Inc.
 - f. Marino Industries Inc.
 - g. Superior.
 - h. United States Gypsum Co.
 - i. Ware.
 - B. General: Provide components which comply with ASTM C 754 for materials and sizes, unless otherwise indicated.
 - C. Channels: Cold rolled steel, 0.0598 inch minimum thickness of base metal and 7/16 inch wide flange; protected with rust inhibitive paint, and as follows:
 1. Carrying Channels: 1 ½ inches deep, 475 lbs per 1000 ft.
 - D. Steel Studs and Runners: ASTM C 645, with flange edges of studs bent back 90 deg and doubled over to form 3/16" minimum lip and complying with the following requirements for minimum thickness of base metal and for depth:
 1. Thickness: 20 gauge.
 2. Depth: 3 5/8" at interior partitions, unless otherwise indicated.

2.3 ACCESSORIES

- A. Acoustic Insulation: ASTM C665, preformed mineral wool, friction fit type, unfaced, 2.5 inches thick.
- B. Acoustic Sealant: Non-hardening, non-skinning, for use in conjunction with gypsum board.
- C. Corner Beads: Metal.
- D. Edge Trim: GA-201 and GA-216, Type LC bead.
- E. Joint Materials: ASTM C475 GA-201 and GA-216, reinforcing tape, joint compound, adhesive, and water.
- F. Fasteners: ASTM C1002 Type S12 hardened screws.
- G. Adhesive: ASTM C557.

3 PART 3 EXECUTION

3.1 INSTALLATION - ACOUSTIC ACCESSORIES

- A. Install resilient channels at maximum 24 inches oc. Locate joints over framing members.
- B. Place acoustic insulation in partitions tight within spaces, around cut openings, behind and around electrical and mechanical items within or behind partitions, and tight to items passing through partitions.
- C. Install acoustic sealant within partitions in accordance with manufacturer's instructions.

3.2 INSTALLATION - GYPSUM BOARD

- A. Install gypsum board in accordance with GA-201, GA-216, GA-600 and manufacturer's instructions.
- B. Fasten gypsum board to furring or framing with screws.
- C. Place control joints consistent with lines of building spaces as directed, spaced as recommended by manufacturer.
- D. Place corner beads at external corners. Use longest practical length. Place edge trim where gypsum board abuts dissimilar materials.
- E. Seal cut edges and holes in moisture resistant gypsum board and exterior gypsum soffit board with sealant.

3.3 INSTALLATION OF STEEL FRAMING FOR WALLS AND PARTITIONS

- A. Install runners at floors, ceilings and structural walls and columns where gypsum drywall stud system abuts other construction.

- B. Installation Tolerances: Install each steel framing and furring member so that fastening surfaces do not vary more than 1/8" from plane of faces of adjacent framing.
- C. Extend partition framing full height to structural supports or substrates above suspended ceilings, except where partitions are indicated to terminate at suspended ceilings. Continue framing over frames for doors and openings and frame around ducts penetrating partitions above ceilings to provide support for gypsum board.
- D. Install steel studs and furring in sizes and at spacings indicated but not less than that required by referenced steel framing installation standards.
- E. Frame door and window openings with solid wood blocking around perimeter of opening securely anchored to steel framing.

3.4 JOINT TREATMENT

- A. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes, minimum of three coats.
- B. Feather coats onto adjoining surfaces so that camber is maximum 1/32 inch.
- C. Sanding and final coat of fill is not required at concealed surfaces above ceilings and in inaccessible spaces.

3.5 TOLERANCES

- A. Maximum Variation from True Flatness: 1/8 inch in 10 feet in any direction.

...END OF SECTION