

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. Metal stud wall framing.
- C. Metal channel ceiling framing.
- D. Acoustic insulation.

1.3 SYSTEM DESCRIPTION

- A. Acoustic Attenuation for Identified Interior Partitions: 50-54 STC in accordance with ASTM E90.
- B. Conform to applicable code for fire rated assemblies and in conjunction with Section 05400, , and as indicated on drawings:

1.4 SUBMITTALS

- A. Product Data: Provide for gypsum board, joint treatment, accessories and metal framing.

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. Domtar Gypsum Co.
 - 2. Georgia Pacific Corp.
 - 3. Gold Bond Building Products /Div. National Gypsum Co.
 - 4. United States Gypsum Co.

- B. Interior Wall Studs and Tracks: ASTM C645; GA-216 and GA-600; galvanized sheet steel, 25 gage unless otherwise indicated, C shape. Provide (2) 20 ga. studs each side of all door jambs.
- C. Interior Wall Studs and Tracks at partitioning 15'-0" and higher above finish floor: Equal to Marino 6SW20. 6x1-5/8, 20GA, Min. lx of 1.838, Sx of 0.58.
- D. Exterior Wall Studs and Tracks – Non Load Bearing: ASTM C645, GA-216 and GA-600, galvanized sheet steel, 20-gage unless otherwise noted, C-Shape. Provide (2)20-gage studs at all window and door jambs.
- E. Furring, Framing, and Accessories: 7/8", 20 Gauge furring channels. ASTM C645. GA-216, and GA-600.
- F. Gypsum Board Types: 5/8 inch thick, maximum available length in place; ends square cut, tapered edges; unless noted otherwise as follows:
 - 1. Fire Rated Type: ASTM C36 fire resistive, UL rated, 5/8" thick.
 - 2. Fire Rated/Moisture Resistant Type: ASTM C630, 5/8" thick.

2.2 ACCESSORIES

- A. Acoustic Insulation: ASTM C665, preformed mineral wool, friction fit type, unfaced, 2.5 inch 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. GA-216.
- G. Adhesive: ASTM C557 and GA-216.
- H. Textured Finish Materials: Latex based texturing material containing fine aggregate.
- I. Lead discs, lead sheet strips as required for proper closure and seals at joint and fastenings.

3 PART 3 EXECUTION

3.1 INSTALLATION - METAL STUDS

- A. Install studding in accordance with ASTM C754. GA-201, GA-216, GA-600. and manufacturer's instructions.
- B. Metal Stud Spacing: As indicated on drawings.

- C. Partition Heights: Full height to floor or roof construction above where indicated. Install additional bracing for partitions extending above ceiling.

3.2 INSTALLATION - WALL FURRING

- A. Erect wall furring tight to concrete masonry walls; attached in accordance with manufacturer's instructions.
- B. Space furring maximum 24 inches oc, not more than 4 inches from floor and ceiling lines.
- C. Install insulation between furring attached to concrete masonry walls in accordance with manufacturer's instructions.
- D. Install furring as required for fire resistance ratings indicated.

3.3 INSTALLATION - CEILING FRAMING

- A. Install in accordance with ASTM C754 GA-216 and manufacturer's instructions.
- B. Coordinate location of hangers with other work. Install ceiling framing independent of walls, columns, and above ceiling work.
- C. Reinforce openings in ceiling suspension system which interrupt main carrying channels or furring channels, with lateral channel bracing.
- D. Laterally brace entire suspension system.

3.4 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.

3.5 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.
- D. Place corner beads at external corners as indicated. 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.

3.6 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.
- D. Tape all joints within exterior sheathing system.

3.7 TOLERANCES

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

END OF SECTION