

## SECTION 09260

### GYPSUM BOARD SYSTEMS

#### PART 1 - GENERAL

##### 1.1 SECTION INCLUDES

- A. Metal stud wall framing at interior partitions.
- B. Gypsum board.
- C. Joint treatment.

##### 1.2 RELATED SECTIONS

- A. Section 05400 - Cold Formed Metal Framing: Metal stud framing at exterior bearing walls.
- B. Section 06112 - Framing and Sheathing.
- C. Section 07213 - Batt and Blanket Insulation.
- D. Section 08112 - Standard Steel Frames and Doors.
- E. Section 09900 - Painting: Surface finish.

##### 1.3 REFERENCES

- A. ASTM C36 - Gypsum Wallboard.
- B. ASTM C475 - Joint Treatment Materials for Gypsum Wallboard Construction.
- C. ASTM C630 - Water Resistant Gypsum Backing Board.
- D. ASTM C645 - Non-Load (Axial) Bearing Steel Studs, Runners (Track), and Rigid Furring Channels for Screw Application of Gypsum Board.
- E. ASTM C665 - Mineral Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
- F. ASTM C840 - Application and Finishing of Gypsum Board.
- G. ASTM C1002 - Steel Drill Screws for the Application of Gypsum Board.
- H. ASTM E119 - Fire Tests of Building Construction and Materials.

- I. GA-201 - Gypsum Board for Walls and Ceilings.
  - J. GA-216 - Recommended Specifications for the Application and Finishing of Gypsum Board.
  - K. GA-600 - Fire Resistance Design Manual.
- 1.4 SUBMITTALS
- A. Product Data: Provide data on metal framing, gypsum board, joint tape batten.
- 1.5 QUALITY ASSURANCE
- A. Perform Work in accordance with ASTM C840. GA-201, GA-216 and GA-600.
- 1.6 QUALIFICATIONS
- A. Applicator: Company specializing in performing the work of this section with minimum 3 years experience approved by manufacturer.
- 1.7 REGULATORY REQUIREMENTS
- A. Conform to applicable codes for fire rated assemblies.

## **PART 2 - PRODUCTS**

- 2.1 MANUFACTURERS - GYPSUM BOARD SYSTEM
- A. U. S. Gypsum
  - B. Georgia Pacific
  - C. Gold Bond
- 2.2 FRAMING MATERIALS
- A. Studs and Tracks:
    - 1. For interior partitions: 16 gauge, unless otherwise noted on drawings.
  - B. Furring, Framing and Accessories: USG System or equal.
  - C. Fasteners: As recommended and furnished by the Gypsum Board System manufacturer.
  - D. Anchorage to Substrate: Tie wire, nails, screws and other metal supports, of type and size to suit application; to rigidly secure materials in place.

## 2.3 GYPSUM BOARD MATERIALS

- A. Typical Gypsum Board: USG Sheetrock Fiberock VHI, 5/8 inch thick fire rated unless otherwise noted; maximum permissible length, square ends, tapered edges use manufacturer's recommended joint treatment and finish.
  - B. Moisture Resistant Gypsum Board: USG Sheetrock WR with Firecode core; 5/8 inch thick, maximum permissible length; ends square cut, tapered edges.
- ## 2.4 ACCESSORIES
- A. Acoustical Sealant: Non-hardening, non-skinning, for use in conjunction with gypsum board;
  - B. Corner Beads: Metal.
  - C. Edge Trim: GA 201 and GA 216; Type L bead.
  - D. Joint Materials: GA201 and GA216; reinforcing tape, joint compound, adhesive, and water.
  - E. Fasteners: ASTM C1002, Type S12 W and GA-216.
  - F. Metal Control Joints.
  - G. Acoustical Insulation: FS-HH-I-521; preformed mineral wool, friction fit type without integral vapor barrier membrane, 3-1/2 inch thick.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Verify that site conditions are ready to receive work.
- B. Beginning of work means acceptance of existing surfaces and substrates.

### 3.2 METAL STUD INSTALLATION

- A. Install studs in accordance with ASTM C754. GA-201, GA-216 and GA-600.
- B. Metal Stud Spacing: 16 inches on center, unless otherwise noted on drawings.
- C. Door Opening Framing: Install double studs at door frame jams. Install stud tracks on each side of opening, at frame head height, and between studs and adjacent studs.

- D. Install blocking for toilet accessories, casework, etc.

### 3.3 ACOUSTICAL ACCESSORIES INSTALLATION

- A. Place acoustical 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.
- B. Install acoustical sealant within partitions in accordance with manufacturer's instructions.

### 3.4 GYPSUM BOARD INSTALLATION

- A. Install gypsum board in accordance with GA 201 and GA 216 and manufacturer's instructions. Install no more than 3/8" above finish floor where rubber or vinyl cove base is to be installed.
- B. Erect single layer fire rated gypsum board vertically, with edges and ends occurring over firm bearing.
- C. Erect exterior gypsum sheathing horizontally, with edges butted tight and ends occurring over firm bearing.
- D. Use screws when fastening gypsum board to metal furring or framing. Staples may only be used when securing the first layer of double layer applications.
- E. Double Layer Applications: Use fire rated gypsum backing board for fire rated partitions. Place second layer perpendicular to first layer. Offset joints of second layer from joints of first layer.
- F. Treat cut edges and holes in moisture resistant gypsum board with sealant.
- G. Place control joints consistent with lines of building spaces as directed or install at a minimum of 20' o.c. at long runs and at door headers or as directed by Architect.
- H. Place corner beads at external corners. Use longest practical length. Place edge trim where gypsum board abutts dissimilar materials. No "J" Mould to be used "L" Bead only.

### 3.5 JOINT TREATMENT

- A. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
- B. Feather coats onto adjoining surfaces so that camber is maximum 1/32 inch.
- C. Taping, filling, and sanding is not required at surfaces behind adhesive applied ceramic tile.

D. Erect in accordance with manufacturer's instructions.

3.6 TOLERANCES

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

3.7 SCHEDULE

- A. Install moisture resistant gypsum board at restrooms, toilets, walls behind sinks; janitor's rooms and behind water coolers.
- B. Install acoustical insulation in walls as indicated on plans.
- C. Install fire rated gypsum board where indicated on plans.

**END OF SECTION**

