

SECTION 09250 – GYPSUM BOARD

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

The General Provisions of the contract, including the General Provisions for Construction Projects (2016), Special Provisions, and General Requirements of the Specifications, apply to the work specified in this Section.

1.02 REFERENCES

The latest publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

- A. ASTM C 36 - Gypsum Wallboard
- B. ASTM C 475 - Joint Treatment Materials for Gypsum Wallboard Construction
- C. ASTM C 840 - Application and Finishing of Gypsum Board
- D. ASTM C 1002 - Steel Drill Screws for the Application of Gypsum Board
- E. ASTM C 1178 - Glass-Mat Water-Resistant Gypsum Backing Board
- F. GA 216 - Application and Finishing of Gypsum Board
- G. ANSI A108.11 - Interior Installation of Cementitious Backer Units
- H. ANSI A118.9 - Cementitious Backer Units

1.03 SUBMITTALS

- A. Manufacturer's Catalog Data: Submit catalog information for each type of gypsum board, fastener, joint treatment material and metal trim. Clearly mark data which describe more than one type or item to indicate which type or item will be provided.
- B. Certificates: Submit certificates attesting that the following materials meet the requirements specified:
 - 1. Each type of gypsum board
 - 2. Fasteners
 - 3. Plastic trim

4. Joint materials

1.04 DELIVERY, HANDLING, AND STORAGE

- A. Delivery: Deliver all materials in the original packages, containers, or bundles with each bearing the brand name, applicable standard designation, and name of manufacturer, or supplier.
- B. Handling: Neatly stack gypsum board flat to prevent sagging or damage to the edges, ends, and surfaces.
- C. Storage: Keep all materials dry by storing inside a sheltered building. Where necessary to store gypsum board outside, store off the ground, properly supported on a level platform, and protected from direct exposure to rain, sunlight, and other extreme weather conditions. Provide adequate ventilation to prevent condensation.

1.05 EXPOSURE TO WEATHER

- A. Protect gypsum board products from direct exposure to rain, sunlight, and other excessive weather conditions.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. Gypsum Wallboard: ASTM C 36, Type X (Special Fire-Resistant), 48 inches wide, tapered edges, 5/8 inch thick.
- B. Glass-Mat Water-Resistant Gypsum Backing Board: ASTM C 1178, Type X (Special Fire-Resistant), 48 inches wide, thickness as indicated.
- C. Cementitious Backer Units: ANSI A118.9, Type X (Special Fire-Resistant), 48 inches wide, thickness as indicated.
- D. Joint Treatment Materials: ASTM C 475.
 - 1. Embedding Compound: Specifically formulated and manufactured for use in embedding tape at gypsum board joints and completely compatible with tape, substrate and fasteners.
 - 2. Finishing or Topping Compound: Specifically formulated and manufactured for use as a finishing compound.
 - 3. All-Purpose Compound: Specifically formulated and manufactured to serve as both a taping and a finishing compound and compatible with tape, substrate and fasteners.

- 4. Joint Tape: Cross-laminated, tapered edge, reinforced paper, or special tape recommended by the manufacturer.
- E. Screws: ASTM C 1002. Type "S" and Type "G" steel drill screws. Use specially designed steel screws as recommended by the manufacturer of the gypsum board for the screw application of gypsum board to steel framing. and gypsum board.
- F. Cornerbead and Edge Trim: Fabricate from plastic designed for its intended use. Flanges shall be free from dirt, grease, and other materials that may adversely affect the bond of joint treatment.
- G. Water: Clean, fresh, and potable.
- H. STC 60 batt insulation as shown on drawings.

PART 3 – EXECUTION

3.01 INSPECTION

- A. Verify that framing and furring are securely attached and of sizes and spacing to provide a suitable substrate to receive gypsum board. Verify that all blocking, headers and supports are in place to support items attached to gypsum board. Do not proceed with work until framing and furring are acceptable for application of gypsum board.

3.02 APPLICATION OF GYPSUM BOARD

- A. Apply gypsum board to framing and furring members in accordance with ASTM C 840 or GA 216 and the requirements specified herein. Apply gypsum board with separate boards in moderate contact; do not force in place. Stagger end joints of adjoining boards. Neatly fit abutting end and edge joints. Use gypsum board of maximum practical length. Cut out gypsum board as required to make neat close joints around openings. In vertical application of gypsum board, panels shall be of length required to reach full height of vertical surfaces in one continuous piece. Cut gypsum boards for loose fit around perimeter and partition intersections. Leave a space not more than 1/4 inch wide for sealant. Apply a 1/4 inch minimum round bead of sealant. Immediately install boards, squeezing sealant into firm contact with adjacent surfaces. Fasten boards in normal manner. Joint treatment shall be applied over sealed joints. Sealants shall be as specified in Section 07900 - SEALANTS. Extend treatment not less than 4 inches out on paper on both sides of board. Type of gypsum board for use in each system specified herein shall be as indicated.
- B. Application of Gypsum Board to Steel Framing and Furring: Apply in accordance with ASTM C 840, System VIII or GA 216.

3.03 APPLICATION OF CEMENTITIOUS BACKER UNITS

- A. Application: Apply cementitious backer units in accordance with ANSI A108.11.
- B. Joint Treatment: ANSI A108.11.

3.04 FINISHING OF GYPSUM BOARD

- A. Tape and finish gypsum board in accordance with ASTM C 840. Provide joint, fastener depression, and corner treatment.
- B. Skim Coat (Level 5): Wherever gypsum board is to receive eggshell, semigloss or gloss paint finish, apply a thin skim coat of joint compound to the entire gypsum board surface, after the three-coat joint fastener treatment is complete and dry. Apply skim coat with trowel, broad knife or long-nap roller. Wipe tightly with trowel or broad knife.

3.05 CAULKING

- A. Caulk openings around pipes, fixtures, and other items projecting through gypsum board as specified in Section 07900 - SEALANTS. Apply caulking material with exposed surface flush with gypsum board.

3.06 PATCHING

- A. Patch surface defects in gypsum board to a smooth, uniform appearance, ready to receive finish as specified.

PART 4 – MEASUREMENT AND PAYMENT

4.01 BASIS OF MEASUREMENT AND PAYMENT

- A. Work under this section will not be measured nor paid for separately, but shall be considered incidental to and included in the price bid for the various items of work in this project.

END OF SECTION