

SECTION 09 29 00 - GYPSUM BOARD

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Repair interior gypsum board.
 - 2. Repair exterior gypsum board, if required.
- B. Related Requirements:
 - 1. Section 05 40 00 "Cold Formed Metal Framing"

1.3 SUBMITTALS

- A. Product Data: For each type of product.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Store materials inside under cover and keep them dry and protected against weather, condensation, direct sunlight, construction traffic, and other potential causes of damage. Stack panels flat and supported on risers on a flat platform to prevent sagging.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers:
 - 1. CertainTeed Corporation.
 - 2. Georgia-Pacific Gypsum LLC.
 - 3. National Gypsum Company.
 - 4. PABCO Gypsum.
 - 5. USG Corporation.
 - 6. Approved substitution.

2.2 INTERIOR GYPSUM BOARD

- A. Product Data:
 - 1. Paper faced.
 - 2. Type X, ASTM C 1396.
 - 3. 5/8 inch thickness.
 - 4. Long edges, tapered.

2.3 EXTERIOR GYPSUM BOARD

- A. Product Data:
 - 1. Glass-mat gypsum sheathing board.
 - 2. Fiberglass mat laminated to both sides.
 - 3. Type X, ASTM C 1177
 - 4. 5/8 inch thickness.
 - 5. With manufacturer's standard edges.

2.4 INTERIOR TRIM ACCESSORIES

- A. Product Data:
 - 1. Semi-rigid, composite, cornerbead sticks, ASTM C 1047.

2.5 JOINT TREATMENT MATERIALS

- A. General:
 - 1. Comply with ASTM C 475.
- B. Tape:
 - 1. Paper tape, approved by manufacturer for proposed application and compound type.
- C. Joint Compound for Interior Gypsum Board:
 - 1. Formulation that is compatible with other compounds applied.
 - 2. Drying or Setting Type Compound.

2.6 AUXILIARY MATERIALS

- A. General:
 - 1. Provide auxiliary materials that comply with referenced installation standards and manufacturer's written instructions.
- B. Steel Drill Screws:
 - 1. ASTM C 1002 unless otherwise indicated.

PART 3 - EXECUTION

3.1 FIELD CONDITIONS

- A. Environmental Limitations:
 - 1. Comply with ASTM C 840 requirements or gypsum board manufacturer's written instructions, whichever are more stringent.
- B. Do not install panels that are wet, moisture damaged, and mold damaged.
 - 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
 - 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

3.2 EXAMINATION

- A. Examine areas and substrates including welded hollow-metal frames and support framing, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.
- B. Examine panels before installation. Reject panels that are wet, moisture damaged, and mold damaged.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.3 APPLYING AND FINISHING PANELS

- A. Comply with ASTM C 840.
- B. Install panels with face side out. Butt panels together for a light contact at edges and ends with not more than 1/16 inch of open space between panels. Do not force into place.
- C. Locate edge and end joints over supports, except in ceiling applications where intermediate supports or gypsum board back-blocking is provided behind end joints. Do not place tapered edges against cut edges or ends. Stagger vertical joints on opposite sides of partitions. Do not make joints other than control joints at corners of framed openings.
- D. Fit gypsum panels around ducts, pipes, and conduits.
- E. Attachment to Steel Framing:
 - 1. Attach panels so leading edge or end of each panel is attached to open (unsupported) edges of stud flanges first.
 - 2. Apply gypsum panels to supports with steel drill screws.

3.4 INSTALLING TRIM ACCESSORIES

- A. General:

1. For trim with back flanges intended for fasteners, attach to framing with same fasteners used for panels. Otherwise, attach trim according to manufacturer's written instructions.
- B. Interior Trim:
 1. Cornerbead: Use at outside corners.

3.5 FINISHING GYPSUM BOARD

- A. Treat gypsum board joints, interior angles, edge trim, control joints, penetrations, fastener heads, surface defects, and elsewhere as required to prepare gypsum board surfaces for decoration. Promptly remove residual joint compound from adjacent surfaces.
- B. Prefill open joints and damaged surface areas.
- C. Apply joint tape over gypsum board joints, except for trim products specifically indicated as not intended to receive tape.
- D. Interior Gypsum Board Finish Levels:
 1. Finish panels to levels indicated below and according to ASTM C 840:
 - a. Level 1: NA
 - b. Level 2: NA
 - c. Level 3: At repaired areas.
 - d. Level 4: NA
 - e. Level 5: NA

3.6 PROTECTION

- A. Protect adjacent surfaces from drywall compound and promptly remove from floors and other non-drywall surfaces. Repair surfaces stained, marred, or otherwise damaged during drywall application.
- B. Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period.
- C. Remove and replace panels that are wet, moisture damaged, and mold damaged.
 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

END OF SECTION 09 29 00