

SECTION 092116
GYPSUM BOARD ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A Gypsum wallboard.
- B Joint treatment and accessories.

1.02 REFERENCE STANDARDS

- A ASTM C475/C475M - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board 2017 (Reapproved 2022).
- B ASTM C514 - Standard Specification for Nails for the Application of Gypsum Board 2004 (Reapproved 2020).
- C ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board 2020.
- D ASTM C1047 - Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base 2019.
- E ASTM C1396/C1396M - Standard Specification for Gypsum Board 2017.
- F GA-216 - Application and Finishing of Gypsum Panel Products 2021.

1.03 SUBMITTALS

- A Product Data:
 - 1. Provide data on gypsum board, accessories, and joint finishing system.

1.04 DELIVERY, STORAGE, AND HANDLING

- A Store gypsum products and accessories indoors and keep above freezing. Elevate boards above floor, on nonwicking supports, in accordance with manufacturer's recommendations.
- B Store metal products to prevent corrosion.

PART 2 PRODUCTS

2.01 BOARD MATERIALS

- A Manufacturers - Gypsum-Based Board:
 - 1. CertainTeed Corporation: www.certainteed.com/#sle.
 - 2. Georgia-Pacific Gypsum: www.gpgypsum.com/#sle.
 - 3. USG Corporation: www.usg.com/#sle.
 - 4. Or Approved Equal.
- B Gypsum Wallboard: Paper-faced gypsum panels as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
 - 1. Application: Use for vertical surfaces and ceilings, unless otherwise indicated.
 - 2. Thickness:
 - a. Vertical Surfaces: 5/8 inch.
 - b. Ceilings: 5/8 inch.

2.02 GYPSUM BOARD ACCESSORIES

- A Finishing Accessories: ASTM C1047, extruded aluminum alloy (6063 T5) or galvanized steel sheet ASTM A924/A924M G90, unless noted otherwise.
 - 1. Types: As detailed or required for finished appearance.

- B Joint Materials: ASTM C475/C475M and as recommended by gypsum board manufacturer for project conditions.
 - 1. Fiberglass Tape: 2 inch wide, coated glass fiber tape for joints and corners.
 - 2. Joint Compound: Drying type, vinyl-based, ready-mixed.
- C Nails for Attachment to Wood Members: ASTM C514.

PART 3 EXECUTION

3.01 EXAMINATION

- A Verify that project conditions are appropriate for work of this section to commence.

3.02 BOARD INSTALLATION

- A Comply with ASTM C840, GA-216, and manufacturer's instructions. Install to minimize butt end joints, especially in highly visible locations.
- B Single-Layer Nonrated: Install gypsum board in most economical direction, with ends and edges occurring over firm bearing.
- C Installation on Wood Framing: For nonrated assemblies, install as follows:
 - 1. Single-Layer Applications: Double-nailing.

3.03 INSTALLATION OF TRIM AND ACCESSORIES

- A Corner Beads: Install at external corners, using longest practical lengths.

3.04 JOINT TREATMENT

- A Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
 - 1. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
- B Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
 - 1. Feather coats of joint compound so that camber is maximum 1/32 inch.

3.05 TOLERANCES

- A Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet in any direction.

3.06 PROTECTION

- A Protect installed gypsum board assemblies from subsequent construction operations.

END OF SECTION