

OKLAHOMA STATE UNIVERSITY - BUILDING DESIGN STANDARDS

PART 1 GENERAL

1.01 SUBMITTALS:

A. Manufacturer's Data:

1. Certification Requirements:

- a. Certify that products furnished for this project are asbestos free.
- b. Certify that products meet or exceed specification requirements.

2. Indicate compliance with specified fire or sound ratings.

3. Indicate stud height limitations.

4. LEED MR Credit 4.1: Recycled Content: 10% (post-consumer + 1/2 pre-consumer). Provide a statement from the manufacturer including recycled content percentage, by weight and whether the recycled content is post-consumer or post-industrial.

1.02 QUALITY ASSURANCE:

A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for five years. Deliver, handle, and store materials in accordance with manufacturer's instructions.

B. Industry Standard: Comply with applicable requirements of ASTM C840, "Application and Finishing of Gypsum Board" by the Gypsum Association, except where more detailed or more stringent requirements are indicated, including the recommendations of the manufacturer.

C. Allowable Tolerances: 1/16 inch offset between planes of board faces and 1/8 inch in ten feet for plumb, level, warp and bow.

D. Materials from a single manufacturer.

E. Fire Resistance For Fire-Rated Assemblies: ASTM E 119.

F. Performance: Fire, Structural, and seismic performance meeting requirements of building code and local authorities.

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PART 2 PRODUCTS

2.01 MANUFACTURERS:

- A. Subject to compliance with requirements, manufacturers offering products which may be incorporated in the work include the following:
1. Metal Support Materials:
 - a. Dale Industries, Inc.
 - b. Dietrich Industries, Inc.
 - c. Gold Bond Building Products Div., National Gypsum Co.
 - d. USG Interiors, Inc.
 2. Direct Suspension Systems:
 - a. Domtar Gypsum.
 - b. Donn Corporation.
 - c. National Rolling Mills Co.
 - d. USG Interiors, Inc.
 3. Gypsum Board and Related Products:
 - a. Domtar Gypsum.
 - b. GeorgiaPacific Corp.
 - c. Gold Bond Building Products Div., National Gypsum Co.
 - d. United States Gypsum Co.
- B. All catalog numbers and trade names used in this Section are those of United States Gypsum, unless otherwise noted, and are to establish continuity and a standard of quality.

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2.02 MATERIALS:

- A. Gypsum Board:
1. 5/8" regular, tapered edge gypsum board complying with ASTM C36. Provide Type X at fire resistant assemblies.
 2. 5/8 inch water resistant Type X, tapered edge gypsum backing board complying with ASTM C630.
 3. Fire Rated Shaft Enclosures:
 - a. Fire tested and rated assembly of "CH" or "I" studs at 24 inches on center.
 - b. Provide assembly having two-hour fire rating or rating required by Applicable Code, whichever is greater.
 4. LEED MR Credit 4.1: Recycled Content: 10% (post-consumer + 1/2 pre-consumer). Include recycled content in material.
- B. Joint Treatment: ASTM C 457 & ASTM C 840; 3 coat system, paper or fiberglass tape.
- C. Cementitious Backer Board: ANSI A 118.9 cement-coated Portland cement panels, 1/2 nominal.
- D. Steel Framing:
1. Coatings: All steel framing to have manufacturer's standard G-90 corrosion-resistant coating.
 2. Partitions:
 - a. Studs: ASTM C 645; 20 gage (before galvanized) x 3 5/8 inches deep, except as otherwise indicated, or required by height. Maintain deflection of L/240 or less without gypsum board applied.
 - i. Use 20 gage or heavier studs at tile backing and at door jambs. Use double studs at door jambs, window/pass through and other openings.
 - b. Space all studs 16" o.c. maximum, unless specifically approved otherwise.
 - c. Double studs to structure at doors and as needed at corners to stiffen and support.
 3. Furring Members: ASTM C 645; 25 gage, 7/8" high hat-shaped channels.
 4. Ceilings: ASTM A 446. Use 17/32" minimum steel channels, cold-rolled.

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- E. Accessories: ASTM C840 as follows:
1. Provide corner beads at all external corners, CB118 x 118.
 2. LC58 at all termination edges exposed to view.
 3. L58 at all termination edges abutting another material.
 4. Expansion/control joints as recommended by manufacturer to be located by Architect approved substitute to No. 093 by U.S. Gypsum.
- F. Auxiliary Materials:
1. Gypsum board screws, ASTM C 1002. Nails are not acceptable.
 2. Fastener adhesive.
 3. Acoustical Sealant: Nonshrinking, nondrying, nonmigrating and nonstaining type formulated for acoustical use.
 - a. **LEED EQ Credit 4.1: Low-Emitting Materials: Adhesives & Sealants.**
Sealant shall meet or exceed the VOC limits of South Coast Air Quality Management District (SCAQMD) Rule #1168.

END OF SECTION 09260