

SECTION 09250 - GYPSUM DRYWALL

PART I - GENERAL

1.01 DESCRIPTION

- A. Types of work include:
 - 1. Gypsum drywall including screw-type metal support system.
 - 2. Gypsum backing boards for application of other finishes.
 - 3. Exterior gypsum drywall materials.
 - 4. Drywall finishing.

1.02 QUALITY ASSURANCE

- A. Fire-resistance ratings: Where fire-resistance ratings are indicated, provide materials/ assemblies complying with ASTM E 119-00a and as required by local authorities.
- B. Comply with recommendations of Gypsum Association GA-216.
- C. Comply with ASTM C 1396, "Specification for Gypsum Board".

PART II - PRODUCTS

2.01 METAL SUPPORT MATERIALS

- A. Ceiling support systems: Size components to comply with ASTM C 754.
 - 1. Main runners: Hot or cold-rolled steel channels with rust inhibitive paint.
 - 2. Hanger wire: ASTM A 641, soft, Class 1 galvanized.
- B. Furring members: ASTM C 645; 25 ga. min. thickness, hat-shaped or C-shaped (spans over 4 ft.).

2.02 WALL/PARTITION SUPPORT MATERIALS

- A. Studs: ASTM C 645; 22 ga. min. thickness, 3-5/8" or 6" as noted. Provide heavier ga. if required by Architect of Record or by manufacturer's span table for allowable gauge minimums.
- B. Runners: Match studs, use type recommended by stud manufacturer for conditions.
- C. "Z"-Furring members: Screw-type galvanized steel, ASTM A 653, G60, 24 ga. min. thickness designed for mechanical attachment of insulation boards to masonry and concrete walls.
- D. Fasteners: Type and size recommended by stud/furring manufacturer for conditions.
- E. Deflection Track: ASTM A-653, galvanized steel sheet deep leg track, provide: "SLP-TRK" by Sliptrack Systems, Inc., "Deep Leg Track w/Slip Clip" by Fire Trak Corp., "Deflection Track" by Marino/Ware® or "VertiClip SLD" series by Steel Network, Inc.

2.03 GYPSUM BOARD

- A. Gypsum Wallboard: ASTM C 1396, regular types unless noted otherwise. Provide Type X for fire-resistant rated assemblies.
 - 1. Thickness: 5/8" minimum.
 - 2. Edges: Tapered.

- B. Water-Resistant Backing Board (WR): ASTM C 1396, regular types unless noted otherwise. Provide Type X for fire-resistant rated assemblies.
 - 1. Thickness: 5/8" minimum.
 - 2. Edges: Tapered.
- C. Exterior Gypsum Ceiling and/or Soffit Board: ASTM C 1396, Type X, "Fireshield" or "Firecode Core" for fire-resistant rated assemblies. Provide manufacturers standard edges.
 - 1. Thickness: 5/8" minimum.
 - 2. Acceptable products; USG "Sheetrock Brand Exterior Gypsum Ceiling Board", National Gypsum "Gold Bond Brand Exterior Soffit Board".

2.04 TRIM ACCESSORIES

- A. Provide manufacturers standard galvanized corner-beads, L-type edge trim beads, U-type edge trim beads, and one piece control joint beads.

2.05 JOINT TREATMENT

- A. ASTM C 475 as recommended by manufacturer for application intended.
- B. Joint Tape: Paper reinforcing tape.
- C. Joint Compound: Vinyl-type powder or ready-mixed for interior use, except as noted otherwise below:
 - 1. Grade: Single multi-purpose grade for entire application.
 - 2. Water-Resistant Joint Compound: Special water resistant type. Treat joints, fastener heads and cut edges. Use USG Sheetrock Setting-Type (Durabond 45 or 90), or approved equal.
 - 3. Exterior Gypsum Board Joint Compound; Use USG Sheetrock Setting-Type (Durabond), Durabond LC, Sheetrock Lightweight (Easy-Sand), or approved equal.

2.06 MISCELLANEOUS MATERIALS

- A. Comply with gypsum board manufacturer recommendations.
- B. Gypsum Board Screws: Comply with ASTM C 1002.01.
- C. Sound Attenuating Blankets: FS HH-1-521 Type I; semi-rigid mineral fiber blankets, Class 25 flame spread, full thickness of stud.
- D. Security Mesh: ASTM A-1011, ASTM F1267, Type I, Class 1,2, and 3, Grade A, 16 gage carbon steel, expanded to form a 3/4 inch diamond mesh.
- E. Exterior Soffit Vents: Continuous vent. Provide gauge and ventilation area to suit conditions.
 - 1. Acceptable manufacturers:
 - a. Superior Products, SFT series, galvanized steel ventilation screed. Color: Paint to match adjoining EIFS.
 - b. Alcoa, "Vent-a-Strip", model 70 or 79, color: white.
 - c. Amico "Vinyl Soffit Screed Ventilator", insert style AMSVI-300 or sheathing style AMSV-300-50.
 - d. Stockton Products "soffit vent/reveal screed.

PART III - EXECUTION

3.01 INSTALLATION OF METAL SUPPORT SYSTEMS

- A. Installation Standard: ASTM C 754.
- B. DO NOT BRIDGE building expansion joints with support system.
- C. Ceiling Support Systems: Secure hangers to structural support by direct connection where possible. DO NOT ANCHOR support systems to metal roof deck.
 - 1. Level main runners to tolerance of 1/4" in 12'-0" measured in any direction.
 - 2. Attach metal wall track/angle wherever system meets vertical surfaces. Mechanically join support members, butt-cut to fit wall track.
 - 3. Install auxiliary trim/framing at termination of drywall work, at light fixtures, etc., for proper support of drywall and other work.

3.02 WALL/PARTITION SUPPORT SYSTEMS

- A. Install supplementary framing, blocking and bracing at terminations in work for support of fixtures, equipment, grab bars, toilet accessories, etc.
 - 1. At partitions which: Adjoin another tenant (demising wall), support soffits or decor wall fixtures, provide 22 ga. 6" studs at 24" o.c., attached to structure, Extend drywall up tight to metal deck. Provide horizontal black iron bridging at third points.
 - 2. Provide 20 ga. At 16" o.c. at partitions supporting storage ledges.
 - 3. Demising Walls: Provide security mesh behind gypsum board fastened to studs on Walgreens side. (Apply if applicable).
- B. Isolate stud system from transfer of structural loading.
 - Space control joints: 30 ft. o.c. or less at partitions.
50 ft. o.c. or less at ceilings.
 - If top track of partition is secured to roof deck, provide "deflection track" with 2" flange and install continuous bridging within 1 ft. of track. Do not attach stud to deflection track to accommodate allowable roof deflection.
- C. Install studs and furring vertically. Space studs 24" o.c. unless noted otherwise. Space furring members at 24" o.c. unless noted otherwise. Space 16" o.c. behind fixturing.
- D. Provide Type X gypsum board at walls which: adjoin other tenants, separate General Sales from Stock.
- E. Provide water-resistant (WR) gypsum board at all plumbing walls.
- F. Erect thermal insulation vertically and hold in place with Z-furring members spaced 24" o.c.

3.03 GYPSUM BOARD INSTALLATION

- A. Application and Finishing Standards: ASTM 840 and GA 216.
- B. Locate exposed end butt joints as far from center of walls and ceilings as possible. Avoid butt ends when possible.

- C. Do not install imperfect, damaged or damp boards.
- D. Locate ends/edges over supports. Do not place tapered edges against cut edges. Stagger vertical joints over different studs on opposite sides of partition.
- E. At wet areas, apply un-cut long edge of WR board at bottom of work. Seal all ends, cut edges and penetrations.
- F. Fasten all gypsum board to supports with screws.
- G. Exterior Soffits: Install exterior gypsum board perpendicular to supports, with end joints staggered over supports.

3.04 DRYWALL TRIM ACCESSORIES

- A. Install metal trim as follows:
 - 1. Corner beads at external comers.
 - 2. Edge trim where gypsum board edge would be exposed or semi-exposed.
 - a. L-type where work abuts other work.
 - b. U-type at exposed edges, reveals, gasketed or sealant-filled joints.

3.05 DRYWALL FINISHING

- A. Prepare work as required for decoration (textured finishes prohibited).
- B. Apply joint tape at joints except where trim accessories occur.
- C. Apply joint compounds in 3 coats and sand between last 2 coats and after last coat.
 - 1. Level 4 finish; shall be applied to all surfaces to receive paint, wall covering, mirrors or wainscoting.
 - 2. Level 3 finish; shall be applied to Toilet Room and Porter area surfaces to receive water-resistant gypsum board, ceramic tile and fiberglass polyester panels.
 - 3. Level 1 finish; may only be applied to surfaces located in ceiling plenums not exposed to view, if acceptable to local code authorities. Level 1 finish shall begin not less than 12 inches above finish.
- D. All joints to be taped, filled and sanded.

END OF SECTION