

## SECTION 09 29 00

### DRYWALL

#### PART 1 GENERAL

##### 1.1 SUMMARY

- A. Furnish materials and labor to complete installation of all interior drywall and miscellaneous metal trim items as indicated on plans and specified herein.
- B. Gypsum board surface texturing
- C. Exterior sheathing board
- D. Sound deadening board.
- E. Reveal Moldings
- F. Wood Blocking

##### 1.2 SUBMITTALS

- A. Comply with requirements of Section 01 33 00.

##### 1.3 RELATED SECTIONS

- A. Section 05 40 00 - Cold Formed Framing
- B. Section 07 27 26 – Fluid-Applied Weather Barrier System
- C. Section 09 22 16 – Non-Load Bearing Metal Stud Wall Framing
- D. Section 09 91 00 - Painting.

##### 1.4 REFERENCES

- A. ASTM C1396-Standard specification for gypsum board
- B. ASTM E90- Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements (ISO 140, Part 3)

##### 1.5 ACOUSTICAL PERFORMANCE

- A. Gypsum board wall assemblies for academic and office areas to have a minimum sound transmission class (STC) of 41.

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## PART 2 PRODUCTS

### 2.1 MATERIALS:

- A. All gypsum board shall be type "X" fire code, manufactured by Gold Bond, USG, or CertainTeed. Thickness as indicated on drawings. Provide water-resistant in damp areas and where called for. All gyp board shall be installed in accordance with manufacturer's printed instructions and as specified herein. Use water resistant materials in shower areas.
  - 1. Provide 5/8" thick type "C" gypsum board for UL assembly(s) UL- P524 (ceiling) UL-U411
- B. Exterior Sheathing Board
  - 1. Exterior stud walls - 1/2" weather resistant sheathing board, in lengths as long as practical to minimize joints. Product to be Dens-Glass Exterior Sheathing manufactured by Georgia-Pacific, GlasRoc Sheathing manufactured by CertainTeed, "Securock" "Glass Mat Sheathing manufactured by USG, "GreenGlass" fiberglass-faced Gypsum sheathing, manufactured by Temple-Inland, or approved alternate product and manufacturer.
- C. Sound Deadening Board:
  - 1. 1/4" thick Gyproc Sound Deadening Board, manufactured by G-P Gypsum Corporation, SilentFX by CertainTeed, or approved alternate.
  - 2. 1/2" Quiet Rock 510, manufactured by Pabco Gypsum, or approved alternate.
- D. Gypsum board thickness
  - 1. Unless noted otherwise in this specification or on drawings, gypsum board thickness to be 5/8".
- E. Reveal moldings (Fry Reglet or approved alternate.)
  - 1. Where new gypsum board terminates at CMU, provide series "DRMZ", 1/2" wide reveal. Depth to be gypsum board thickness.
  - 2. Finish to be chemical finish, capable of receiving paint. (use when you DO want the molding painted)
  - 3. Fill in gap between rubber base and reveal molding with caulking to match rubber base.

## PART 3 EXECUTION

### 3.1 INSTALLATION:

- A. Painted Gypsum Board:
  - 1. Attachment to be by screws 12 inch o.c. in the field and 8 inch o.c. along vertical abutting edges, and 7 inch o.c. on ceiling areas. Type 'X' shall be attached 7 inch o.c. edges, ends, and field.
  - 2. All taping and texture shall be done in accordance to printed instructions as supplied by Gold Bond and approved by the Architect. All texture shall be approved by the Architect before proceeding with the work.
  - 3. At metal stud sound walls with multiple layers of gypsum board on one or both sides, each layer is to be taped and floated to deck. Outer layer to be finished as well. At deck, cut

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gypsum board to fit profile of deck. Seal joint at deck with continuous bead of polyurethane sealant.

4. Provide metal "J" mold where edge of gypsum board abuts a different material or edge of gypsum board is to remain exposed.
5. All painted gypsum board will be textured per this specification unless noted otherwise.
6. Suspended drywall framing shall be attached to structure with No. 12 gauge hanger wires spaced not more than 2'-0" on center in one direction and 2'-0" on center in the other.

B. Exterior Sheathing Board

1. Wall sheathing shall be attached with electric-driven screwdriver with screws no closer than 3/8" from edges and ends. Apply sheathing in lengths as long as practical to minimize horizontal joints. Keep horizontal joints as high on wall as possible.
2. Install all sheathing board in strict accordance with manufacturer's instruction.

C. Stud Framing

1. Align floor and ceiling tracks to assure plumb partition. Secure the track with suitable fasteners at 24" O.C. maximum. Stud spacing to be 16" o.c. for door and window openings up to 4'-0" wide, reinforcing shall occur through use of a 20 gauge stud screw attached to frame anchors. On openings 4'-0" wide and over, use 2-20 gauge studs back to back against frame and securely attached.

3.2 GYPSUM BOARD SURFACE TEXTURING:

- A. Where exposed to view, provide light to medium "orange peel" gypsum compound texture on gypsum board surfaces and where called for on drawings unless noted otherwise.
  1. Provide two 2' x 2' mockup boards with both light and medium orange peel finish for Architect's and Owner's review and approval.
  2. Where new gypsum is adjacent to an existing wall match existing wall texture.
- B. Wall to have level 4 finish or better.
- C. **Do not** texture on surfaces scheduled to receive vinyl wall covering or Dry Erase Coating.
- D. Texture to be uniform on walls throughout building.
- E. Contractor to apply orange peel texturing to sample mockup panel and be approved by Architect prior to any further application

3.3 CONTROL JOINTS

- A. Galvanized metal control joint, Model 093 by ClarkDietrich or approved alternate.
- B. Control joints are to be provided at approximately 30'-0" o.c. horizontally and vertically at wall, ceiling, light coves and furrdown installations. Joints should be located at corner of door or window heads if spacing allows and where shown or called for on drawings. These shall be considered minimum requirements.

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- C. Drywall contractor will repair any cracks in drywall for the one-year warranty period.

## 2.4 WOOD BLOCKING

- A. Install 2 x wood blocking in walls where concealed behind drywall for anchoring of wall-mounted items such as (but not limited to) wall mounted door hardware, markerboards, tackboards, projector screens, TV brackets, etc. **Metal plate backing will not be accepted for anchoring of wall-mounted items.**
- B. Provide blocking treated for fire resistance where required by code and as specified or called for.

## 3.5 CLEAN-UP

- A. The Contractor shall be responsible for complete clean up on his contract at completion of same.

END OF SECTION

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