

SECTION 09260

GYPSUM WALLBOARD & PARTITION SYSTEM

PART 1 GENERAL

1.01 DIVISION OF RESPONSIBILITIES TERMINOLOGY: **NOT USED**

1.02 SUMMARY: Provide light gauge metal studs and accessories, and gypsum wallboard (cement board where scheduled), accessories and gypsum wallboard finishing as indicated on the drawings, as specified in this Section, and as needed for a complete and proper installation.

1.03 RELATED WORK: Section 05400- Cold Formed Metal Framing.

1.04 SUBMITTAL: No product submittal is required for the work of this Section IF provided per the construction documents. Any Request for Product Substitution must be submitted per Section 01340- Submittals.

1.05 QUALITY ASSURANCE:

- A. Provide gypsum wallboard finish work consistent with the standards as established by Gypsum Association specification number GA-214-90 "Levels of Gypsum Board Finish".
- B. Ambient Temperature for Finishing: Gypsum wallboard finishing work shall be provided ONLY when the ambient controlled air temperature is no less than 50 degrees F and rising.

PART 2 PRODUCTS

2.01 METAL STUDS AND ACCESSORIES:

- A. Metal Studs: Provide metal framing studs equal to products by Dietrich Metal Framing, Pittsburgh PA (412-281-2805; [www.dietrichmetalframing.com](http://www.dietrichmetalframing.com)).
  - 1. Acceptable Alternative: Marino-Ware, South Plainfield NJ (800-627-4661; [www.marinoware.com](http://www.marinoware.com)).
  - 2. Acceptable Alternative: Unimast Incorporated, Schiller Park IL ([www.unimast.com](http://www.unimast.com))
- B. Provide standard punched steel studs, dip galvanized, per Fed. Spec. QQ-S-698 and Fed. Spec. QQ-S-775d, Class D, sized in accordance with the field conditions, partition type scheduled and limiting heights for non-structural composite and non-composite tables provided by the manufacturers and as summarized in the table in this Section.
  - 1. Furring shall be 20 gauge, 7/8" hat sections
  - 2. Bottom Track: Provide dip galvanized steel bottom track, same gauge as the partition framing.
  - 3. Accessories: Provide all accessories such as tracks, clips, anchors, fastening devices, sound attenuation pencil rods and resilient clips, and other required accessories.

Nonstructural Unbraced Partition Framing Limiting Heights (Composite and Non-Composite) Deflection Limit $l/240$ ; Uniform 5 PSF Lateral Load				
Framing Type	Manufacturer/ SSMA Reference	See Note 1	See Note 2	See Note 3
2-1/2" x 20 GA at 16"OC	Dietrich 250S125-27	12'-1"	No listing	No listing
	Marino-Ware 212DWS20	12'-1"	11'-7"	11'-7"
	Unimast 212ST	13'-10"	13'-0"	13'-0"
2-1/2" x 25 GA at 16"OC	Dietrich 250S125-18	11'-3"	No listing	No listing
	Marino-Ware 212DWS25	11'-3"	9'-6"	9'-6"
	Unimast 212ST	12'-6"	11'-0"	11'-0"
3-5/8" x 20 GA at 16"OC	Dietrich 362S125-27	15'-8"	No listing	No listing
	Marino-Ware 358DWS20	15'-8"	15'-0"	15'-0"
	Unimast 358ST	17'-11"	17'-3"	17'-3"
3-5/8" x 25 GA at 16"OC	Dietrich 362S125-18	14'-4"	No listing	No listing
	Marino-Ware 358DWS25	14'-4"	14'-6"	14'-6"
	Unimast 358ST	16'-0"	14'-6"	14'-6"
6" x 20 GA at 16"OC	Dietrich 600S125-27	23'-2"	No listing	No listing
	Marino-Ware 6DWS20	23'-2"	23'-1"	23'-1"
	Unimast 600ST	26'-1"	25'-6"	25'-6"
6" x 25 GA at 16"OC	Dietrich 600S125-18	19'-9"	No listing	No listing
	Marino-Ware 6DWS25	19'-9"	n.a.	n.a.
	Unimast 600ST	20'-0"	20'-0"	20'-0"
"Note 1"	Partition with Gypsum Wallboard on both sides ("Composite")			
"Note 2"	Partition with Gypsum Wallboard full height on one side, partial height Gypsum Wallboard on the other side ("Non-Composite")			
"Note 3"	Furred Partition with Gypsum Wallboard on one side ("Non-Composite")			

## 2.02 DEFLECTION TRACK METAL FRAMING:

### A. Deflection Partition (single or double track system):

1. Secure jamb studs and/or king studs to the deflection runner while allowing for deflection, by using 20 gauge slip clips on each side of jamb stud/ King stud legs, using pre-manufactured clips equal to "Slip Clip" product, by Fire Trak Corp., Kimball MN (800-394-9875).
  - a. Acceptable alternative: Provide VertiClip SL slide clip, by The Steel Network, Raleigh NC (919-845-1025).
  - b. Acceptable alternative: Provide SliptrackSystems, slotted deflection track for interior walls, by Dietrich Metal Framing, Pittsburgh PA (412-281-2805; www.dietrichmetalframing.com).
  - c. Acceptable alternative: Other product, subject to substitution-submittal review by the Architect per Section 01340 requirements.
2. Provide spaced metal roof deck securing plates as shown on the drawings, when the partition and Deep Leg Track run perpendicular to the metal deck flutes.

## 2.03 GYPSUM WALLBOARD:

### A. Interior Gypsum Wallboard (Drawing Key Symbol "GYP." or standard abbreviation "GYP. BD."), where scheduled on the drawings):

1. Provide gypsum wallboard complying with ASTM C36 and Fed. Spec. SS-L-30D, in 48" widths and in such lengths as will result in a minimum of joints

2. Regular Wallboard: Provide Type III, Grade R, Class 1, 5/8" thick.
  3. Fire-Retardant Wallboard: Provide Type III, Grade X, Class 1, UL listed, 5/8" thick
  4. Acceptable product/ manufacturers:
    - a. Sheetrock products, by USG, Chicago IL (800-950-3839; www.usg.com)
    - b. Gyproc products, by Domtar Gypsum, Ann Arbor MI (800-366-8271)
    - c. G-P Gypsum products, by Georgia-Pacific, Atlanta GA (404-652-4000)
    - d. Gold Bond Gypsum products, by National Gypsum Company, Charlotte NC (704-365-7300)
    - e. Gypsum products by Temple-Inland, Diboll TX (409-829-1220)
    - f. No other product manufacturers are permitted.
- B. Interior Moisture-Resistant Gypsum Wallboard (Drawing Key Symbol "M.R. GYP" where scheduled on the drawings):
1. Provide mold- and moisture-resistant gypsum wallboard at walls and ceiling, equal to the following product/ manufacturers:
    - a. "Sheetrock Water-Resistant 5/8" Regular Gypsum Panels", by United States Gypsum Company, Chicago IL
    - b. 5/8" XP Fire-Shield Wallboard, by National Gypsum Company, Charlotte NC.
- C. Exterior Sheathing for EIFS substrate: Provide Dens-Glass Gold, Glass Mat Faced Exterior Sheathing by G-P Gypsum Corporation, subject to acceptance by the EIFS manufacturer as part of the warranted EIFS system. Paper-faced exterior gypsum sheathing is NOT an acceptable product substitution.

#### 2.04 CEMENT BOARD SYSTEM:

- A. Interior Cement Board (Drawing Key Symbol "CEM. BD.", where scheduled on the drawings):
1. Provide Dens-Shield, 1/2" tile backer, by Georgia-Pacific
  2. Acceptable Alternative: Provide Durock, 1/2" cement board, and related components, including Durock corrosion resistant screws and Durock Interior Tape, by USG.
  3. Acceptable Alternative: Provide HardiBacker 500, 1/2" thick, fiber-cement interior ceramic tile underlayment, by James Hardie Building Products Inc., Mission Viejo CA (800-942-7343)

#### 2.05 METAL TRIM:

- A. Form from zinc coated steel not lighter than 26 gauge, complying with Fed. Spec. QQ-S-775, Type I, Class D or E.
- B. Casing Beads: Provide galvanized steel channel-shaped casing beads at exposed wallboard edges, equal to USG Series No. 200, at locations including but not limited to horizontal edges at top of partial height partitions, and vertical and horizontal edges where gypsum wallboard abuts other materials
- C. Corner Beads: Provide angle shapes with wings not less than 7/8" wide and perforated for nailing and joint treatment, equal to USG Dur-A-Bead corner bead.
- D. Edge beads for use at perimeter of ceilings:
1. Provide angle shapes with wings not less than 3/4" wide.
  2. Provide concealed wing perforated for nailing, and exposed wing edge folded flat.

- E. Control Joints: Provide staple-applied roll-formed zinc control joints equal to USG Control Joint No. 093 where shown on the drawings. Provide flush caulk bead to fill 1/4" open slot after protective tape is removed after adjacent wallboard finishing.
- 2.06 JOINT SYSTEM: Provide a jointing system, including reinforcing tape and compound, designed as a system to be used together and as recommended for this use by the manufacturer of the gypsum wallboard approved for use on this work. Jointing compound may be used for finishing if so recommended by its manufacturer.
- 2.07 FASTENING DEVICES:
- A. Metal Framing Floor Tracks: For fastening wall framing floor tracks to concrete floors/ slab on grade construction, provide powder-driven fasteners equal to HILTI X-DWI, 3/4" Dome Head Nail, Smooth Shank 0.145" diameter Shot Pins spaced 32" on center maximum, meeting the standards of ICBO Evaluation Report No 2388 (ICBO Evaluation Service Inc., Whittier CA).
  - B. Gypsum Wallboard: For fastening gypsum wallboard in place on metal studs and metal channels, use flat-head screws, shouldered, specially designed for use with power-driven tools, not less than 1" long, with self tapping threads and self drilling points.
  - C. Cement Board: For fastening Cement Board in place on metal studs and metal channels, use corrosion resistant, wafer-head screws manufactured specifically for this product installation, not less than 1" long, with self tapping threads and self drilling points.
- 2.08 FLOOR RUNNER GROUT: Provide commercial grout for leveling the floor runner member of steel stud partitions as required.
- 2.09 OTHER METAL TRIM: The drawings do not represent locations and requirements for all metal trims. The Contractor shall carefully review the drawings and the installation, and shall provide metal trims as typically recommended.
- 2.10 OTHER MATERIALS: Provide other materials, not specifically described but required for a complete and proper installation of the work.

**PART 3 EXECUTION**

- 3.01 SURFACE CONDITIONS: The Contractor shall examine the areas and conditions under which work of this Section will be provided, shall correct conditions detrimental to the timely and proper completion of the work, and shall NOT proceed until unsatisfactory conditions are corrected.
- 3.02 METAL FRAMING INSTALLATION: Provide Metal Framing Installation tolerance of 1:200 horizontally and 1:360 vertically.
- 3.03 CEMENT BOARD INSTALLATION: Provide a polyethylene sheet, 6 mil minimum thickness, water barrier membrane tape-secured to metal framing behind and prior to the cement board installation.
- 3.04 CONTROL JOINT SPACING:

Provide Control Joint Spacing in accordance with current Gypsum Association standards or as follows for gypsum construction:

Construction & Location	Maximum Single Dimension, Feet	Maximum Single Area, Square Feet
Interior Partition	30 ft	-
Interior Ceiling, w/ perimeter relief	50 ft	2500 SF

Interior Ceiling, w/o perimeter relief	30 ft	900 SF
Exterior Ceiling	30 ft	600 SF

- 3.05 GYPSUM WALLBOARD FINISHING COMPOUNDS: Provide a Gypsum Association Level 3 gypsum board finish. All joints and interior angles shall have tape embedded in joint compound and two separate coats of joint compound applied over all joints, angles, fastener heads and accessories. All joint compound shall be smooth and free of tool marks and ridges
- 3.06 WALL TEXTURE: At the Contractor's option, and prior to painting per Section 09900- Painting, the Contractor may elect to provide, at no additional cost to PETCO, an applied "Light Orange Peel" texture per USG Bulletin SA-933 (from USG "Texture and Finish Products") The Contractor shall apply wall texture uniformly to all exposed wallboard-faced partitions, except that wall texture need not be applied where a finished (painted) surface is not scheduled.

END OF SECTION

