SECTION 09210
GYPSUM VENEER PLASTER

PART 1 GENERAL

1.1 RELATED DOCUMENTS:

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division I specification sections, apply to work in this section.
B. Requirements of this section apply to walls, bulkheads and ceilings.
C. Section 09206 - Metal furring and lathing.

1.2 REFERENCES

A. ASTM C28/C28M – Standard Specification for Gypsum Plaster.
B. ASTM C35 – Standard Specification for Inorganic Aggregates for use in Gypsum Plaster.
C. ASTM C37/C37M – Standard Specification for Gypsum Lath.
D. ASTM C61/C61M – Standard Specification for Gypsum Keene's Cement.
E. ASTM C206 – Standard Specification for Finishing Hydrated Lime.
F. ASTM C588/C588 – Standard Specification for Gypsum Base for Veneer Plasters.
G. ASTM C631 – Standard Specification for Bonding Compounds for Interior Plastering.
H. ASTM C842 – Standard Specification for the Application of Interior Gypsum Plaster.
I. ASTM C844 – Standard Specification for the Application of Gypsum Base to Receive Gypsum Veneer Plaster.
J. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
K. ASTM E119 – Standard Methods for Fire Tests of Building Construction and Materials.
L. GA (Gypsum Association) - Application of Gypsum Base for Gypsum Veneer Plasters and Application of Gypsum Veneer Plaster.
M. GA-201 Using Gypsum Board for Walls and Ceilings.
N. GA-600 - Fire Resistance Design Manual.
O. Florida Building Code.

1.3 SUBMITTALS

A. Submit under provisions of Section 01300.
B. Product Data: Provide data on plaster materials, characteristics, and limitations of products specified.

1.4 QUALITY ASSURANCE

1.6 REGULATORY REQUIREMENTS

A. Conform to ANSI/ASTM E119 and applicable code for fire rated assemblies as follows:
   1. Fire Rated Partitions: Listed assembly by UL or FM.
   2. Fire Rated Ceilings, Bulkheads and Interior Soffits: Listed assembly by UL or FM.
   3. Fire Rated Structural Column Framing: Listed assembly by UL or FM.
   4. Fire Rated Structural Beam Framing: Listed assembly by UL or FM.

1.7 MOCKUP

A. Provide mockup of interior wall and ceiling system under provisions of Section 01400.
B. Construct mockup, 6' long by 24" wide, illustrating surface finish and assembly.
C. Locate where directed by the Architect.
D. Mockup may not remain as part of the Work.

1.8 ENVIRONMENTAL REQUIREMENTS

A. Do not apply plaster when substrate or a/R11 11.04 Tf 11.76 0 Td0.8696(a/R11 11)]TJ -21.6 -12.96 Td [743(N)15.

A. Casing Bead: Formed zinc; minimum 26-ga thick; depth governed by plaster thickness; maximum possible lengths; expanded metal flanges, with square edges.
B. Corner Bead: Formed zinc; minimum 26-ga thick; depth governed by plaster thickness; maximum possible lengths; expanded metal flanges, with radius edge.
C. Base Screed: Formed zinc; minimum 26-ga thick; depth governed by plaster thickness; maximum possible lengths; expanded metal flanges, with beveled edge.
D. Corner Mesh: Formed steel, minimum 26-ga thick; expanded flanges shaped to permit complete embedding in plaster; minimum 4" wide; galvanized finish.
E. Fasteners: Nails, staples, or other approved metal supports, of type and size to suit application, galvanized, to rigidly secure lath and associated metal accessories in place.
F. Plaster frames for recessed light fixtures furnished by electrical contractor, installed under this section.

2.6 ACOUSTICAL ACCESSORIES

A. Acoustic Sealant: Non-hardening, non-skinning type, for use in conjunction with gypsum plaster system.

2.7 PLASTER MIX

A. Mix and proportion plaster in accordance with ASTM C842 and manufacturer's instructions.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that surfaces and site conditions are ready to receive work.
B. Masonry: Verify joints are cut flush and surface is ready to receive work of this section. Verify no bituminous or water repellent coatings exist on masonry surface.
C. Grounds and Blocking: Verify items within walls for other sections of work have been installed.
D. Gypsum Lath and Accessories: Verify substrate is flat and surface is ready to receive work of this section. Verify joint and surface perimeter accessories are in place.
E. Mechanical and Electrical: Verify services within walls have been tested and approved.

3.2 PREPARATION

A. Dampen masonry surfaces to reduce excessive suction.
B. Clean concrete surfaces of foreign matter. Thoroughly dampen surfaces before using acid solutions, solvent, or detergents to perform cleaning. Wash surface with clean water.
C. Roughen smooth concrete surfaces and smooth faced masonry.
D. Apply bonding agent in accordance with manufacturer's instructions.

3.3 INSTALLATION - LATH MATERIALS

A. Install gypsum lath in accordance with GA 201.
B. Install gypsum lath perpendicular to framing members, with lath face exposed. Stagger end joint of alternate courses. Butt joints tight. Maximum gap allowed: ⅛".
C. Place corner reinforcement diagonally over gypsum lath and across corner immediately above and below openings. Secure to gypsum lath only.
D. Install metal lath as specified in Section 09206.

E. Apply metal lath taut, with long dimension perpendicular to supports.
F. Lap ends minimum 1". Secure end laps with tie wire where they occur between supports.
G. Lap sides of diamond mesh lath minimum 1½". Nest outside ribs of rib lath together.
H. Attach metal lath to metal supports using tie wire at maximum 6" o. c.
I. Attach metal lath to concrete and concrete masonry using wirehair pins, hooks, or loops. Ensure that anchors are securely attached to concrete and spaced at maximum 24" o. c.

3.4 INSTALLATION - ACCESSORIES

A. Continuously reinforce internal angles with corner mesh, return metal lath 3" from corner to form the angle reinforcement; fasten at perimeter edges only.
B. Place corner bead at external wall corners; fasten at outer edges of lath only.
C. Place strip mesh diagonally at corners of lathed openings. Secure rigidly in place.
D. Place 4 inch wide strips of metal lath centered over junctions of dissimilar backing materials. Secure rigidly in place.
E. Place casing beads at terminations of plaster finish. Butt and align ends. Secure rigidly in place.
F. Coordinate work with installation of metal access panels. Refer to Section 08305.
G. Install frames plumb and level in opening. Secure rigidly in place.
H. Position metal access panels to provide convenient access to concealed work requiring access.
I. Install corner beads at exterior corners of interior work; reinforce internal corners with cornerite.
J. Install resilient edged casing beads for interior work against exterior wall door and window frames, and at similar locations as indicated.

3.5 INSTALLATION - ACOUSTICAL ACCESSORIES

3.6 Install resilient furring channels at right angles to framing members. Place end joints over framing members. Terminate channels ½" short of doorframes and perimeter construction.
3.7 Fit acoustical insulation tight between partition f