SECTION 09200
LATH AND PLASTER

PART 1 – GENERAL

1.1 SUMMARY:
A. Section Includes:
   1. Gypsum plaster system.
   2. Portland cement plaster system.
   3. Metal lathing and furring.

B. Related Sections:
   1. Section 09215 - Veneer Plaster.
   2. Section 09260 - Gypsum Board Systems.

1.2 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.

1.3 QUALITY ASSURANCE:
A. Standards:
   1. Comply with the applicable requirements of ASTM C841, C926, C847, C842 and C1063, except where more detailed or more stringent requirements are indicated including those of the plaster manufacturer. Options therein are Installer's option unless otherwise indicated.
   2. Comply with applicable requirements of Mountain States Bureau for Lath, Plaster, and Drywall, Inc.

B. Quality Control:
   1. Applicator Qualifications:
      a. Having completed plaster applications on at least three projects similar in size and scope to work required for this project.

LIMIT USE OF GYPSUM PLASTER TO PATCHING OF EXISTING CONDITIONS, EXCEPT AS SPECIFICALLY APPROVED BY UCB STAFF. FOR EXTERIOR PLASTER APPLICATIONS AND INTERIOR PLASTER APPLICATIONS IN "WET" AREAS, USE ONLY PORTLAND CEMENT PLASTER.

OPTIONAL
AT ARCHITECT’S AND OWNER’S JOINT AGREEMENT, THIS MAY BE INCLUDED. NOTE: THIS REQUIRES SPECIAL INSPECTION, INCLUSION IN PRECONSTRUCTION MEETING, AND SPECIAL FEES BY CONTRACTOR TO MOUNTAIN STATES BUREAU.
2. Allowable Tolerances:
   a. Maximum deviation from true plane 1/8 in. in 10 ft. as measured by straight edge placed at any location on surface.

3. Hybrid or combined plaster systems shall not be used without the specific approval of the Architect and the Owner, with support data from supplier.

C. Mock-Up:
   1. Prior to start of plastering, erect a 4’ x 4’ sample panel of each required plaster system.
   2. Modify samples as required to achieve acceptance by the Architect.
   3. Sample panels shall be left in place for judging completed work during plastering operations.
   4. Sample may be located to serve as a portion of the final work.

PART 2 - PRODUCTS

2.1 MATERIALS:

   A. Gypsum Plaster:
      1. General: Either neat or ready-mixed at Installer's option complying with ASTM C842.
      2. Base Coats: Gypsum neat plaster or as required to match existing.
         a. Apply in scratch and brown coats.
      4. Mix Proportions:
         a. Scratch Coat: 1 part gypsum neat plaster, 2 parts sand by weight.
         b. Brown Coat: 1 part gypsum neat plaster, 2.5 parts sand by weight.
         c. Finish Coat: 1 part gypsum gauging plaster to 3 parts hydrated lime.

   B. Portland Cement Plaster:
      1. Job-mixed or ready-mixed materials at Installer's option complying with ASTM C926.
      2. Include bonding-curing additive in mix for all coats, per manufacturer's recommendations.
      3. Reinforcing Fibers: "Dur-O-Fiber" glass fibers 1/2" long by Dur-O-Wall, or approved substitute, alkali resistant type. Type E fibers are not acceptable.
4. Mix Proportions:
   a. Scratch Coat: 1 sack Portland cement, 1/2 sack hydrated lime, 3 parts sand, 1 to 1.5% by volume of cement for glass fibers.
   b. Brown Coat: Same as scratch coat except 4 parts sand.
   c. Finish Coat:
      1) Exposed Unpainted Surfaces: El Rey Stucco Co. or approved equal, factory mixed finish coat material with mineral pigments in white cement, colors as selected by Architect, either custom or standard colors.
      2) Painted Surfaces: 1 sack portland cement, 1/2 sack hydrated lime, 3 parts 30 mesh sand, natural color cement.

C. Bonding Materials:
   1. Acid Etch Solution: Muriatic acid, mixed one part acid to 6-to-10 parts water.
   2. Bonding and Curing Additive: Acrylic-based emulsion for exterior and interior portland cement plaster. Provide one of the following:
      a. Quick-Cure Ad-Liquid by Finestone Corp.
      b. Acrylic Admix-101 by Larsen Products Corp.
      c. Acryl 60 by Thoro System Products.

D. Lathing and Furring:
   1. Metal Lathing Materials:
      b. Diamond Mesh Lath: 3.4 lbs. per sq. yd., expanded mesh, hot-dipped galvanized finish, G60 per ASTM A525. Use for ceilings and soffits.
      d. Use self-furring type at gypsum sheathing, masonry and concrete surfaces.
      e. Install corner beads at external corners.
      f. Install casing beads at terminations of plaster work. Leave 1/4" sealant pocket at exterior casing beads and interior joints likely to move.
      g. Install expansion and control joints to form maximum sized panels of 100 sq. ft. and maximum dimension of 15 feet. Locate per Architect's direction.
      h. Jointing in existing plaster repair or adjacent work will be evaluated on a
per-project basis to achieve appropriate expansion and control.

2. Ceiling Soffit Materials:
   a. For exterior soffits, provide hangers or braces capable of resisting compressive stresses due to wind uplift with a maximum deflection of 1/360 of the narrow dimension.

PART 3 - EXECUTION

3.1 INSTALLATION:
   A. Grouting: Grout hollow metal frames, bases and similar work occurring in plastered areas, with base-coat plaster material.
   B. Texture:

END OF SECTION 09200