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## SECTION 092400 - CEMENT PLASTERING

### **TIPS:**

To view non-printing **Editor's Notes** that provide guidance for editing, click on MasterWorks/Single-File Formatting/Toggle/Editor's Notes.

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## PART 1 - GENERAL

### 1.1 SUMMARY

#### A. Section Includes:

1. Metal lath.

2. Base-coat cement plaster.
3. Cement plaster finish coats.
4. Accessories.

## 1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at **[Project site]** <Insert location>.

## 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: Indicate locations and installation of control and expansion joints, including plans, elevations, sections, details of components, and attachments to other work.
- C. Samples: For each type of factory-prepared finish coat and for each color and texture specified.
- D. Samples for Initial Selection: For each type of factory-prepared finish coat and for each color and texture specified.
- E. Samples for Verification: For each type of factory-prepared finish coat and for each color and texture specified, **12 by 12 inches (305 by 305 mm)**, and prepared on rigid backing.
- F. Sustainable Design Submittals:
  1. Sourcing of Raw Materials: For each product.
  2. Environmental Product Declaration (EPD): For each product.
  3. Construction and Demolition Waste Management: For each product.
  4. Material Ingredients: For each product.

## 1.4 MOCKUPS

- A. Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.
  1. Build mockups for each substrate and finish texture indicated for cement plastering, including accessories.
    - a. Size: **[100 sq. ft. (9 sq. m)]** <Insert dimension> in surface area.
  2. For interior plasterwork, simulate finished lighting conditions for review of mockups.
  3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
  4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

## 1.5 DELIVERY, STORAGE AND HANDLING

- A. Store materials inside under cover, and keep them dry and protected against damage from weather, moisture, direct sunlight, surface contamination, corrosion, construction traffic, and other causes.
- B. Protect cold-formed metal framing from corrosion, deformation, and other damage during delivery, storage, and handling in accordance with AISI S202.

## 1.6 FIELD CONDITIONS

- A. Comply with ASTM C926 requirements.
- B. Exterior Plasterwork:
  - 1. Apply and cure plaster to prevent plaster drying out during curing period. Use procedures required by climatic conditions, including moist curing, providing coverings, and providing barriers to deflect sunlight and wind.
  - 2. Apply plaster when ambient temperature is greater than 40 deg F (4.4 deg C) and rising.
  - 3. Protect plaster coats from freezing for not less than 48 hours after set of plaster coat has occurred.
- C. Interior Plasterwork: Maintain room temperatures at greater than 40 deg F (4.4 deg C) for at least 48 hours before plaster application, and continuously during and after application.
  - 1. Avoid conditions that result in plaster drying out during curing period. Distribute heat evenly; prevent concentrated or uneven heat on plaster.
  - 2. Ventilate building spaces as required to remove water in excess of that required for hydrating plaster in a manner that prevents drafts of air from contacting surfaces during plaster application and until plaster is dry.
- D. Factory-Prepared Finishes: Comply with manufacturer's written recommendations for environmental conditions for applying finishes.

## PART 2 - PRODUCTS

### 2.1 SOURCE LIMITATIONS

- A. Obtain plaster materials from single source from single manufacturer.

### 2.2 PERFORMANCE REQUIREMENTS

- A. Fire-Resistance Ratings: Where indicated, provide cement plaster assemblies identical to those of assemblies tested for fire resistance in accordance with ASTM E119, and displaying a classification label from a qualified testing agency acceptable to authorities having jurisdiction.
  - 1. Construct fire-resistance-rated partitions in compliance with tested assembly requirements[ **indicated on Drawings**].

2. Rated assemblies to be substantiated from applicable testing using proposed products, by Contractor.

## 2.3 METAL LATH

Coordinate lath selections with framing-spacing requirements detailed on Drawings and installation requirements. See “Metal Laths” Article in the Evaluations.

- A. Welded Wire Lath: ASTM C933, Class 1 galvanized coating complying with ASTM A641.
  1. Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; Structa Wire, [[Structalath Twin Trac](#)] [[Structa Mega Lath](#)] [[V Truss Wall & Ceiling - Rib Lath](#)] or comparable product by one of the following:
    - a. <Insert manufacturer's name>.
  2. Weight: [**1.14 lb/sq. yd. (0.62 kg/sq. m)**] [**1.95 lb/sq. yd. (1.1 kg/sq. m)**] [**2.2 lb/sq. yd. (1.2 kg/sq. m)**].
- B. Expanded-Metal Lath: ASTM C847, cold-formed carbon-steel sheet with ASTM A653/A653M, **G60 (Z180)**, hot-dip galvanized-zinc coating.
  1. Product: Subject to compliance with requirements, provide ClarkDietrich; [Diamond Mesh Lath](#) or comparable product by one of the following:
    - a. CEMCO; California Expanded Metal Products Co.
    - b. <Insert manufacturer's name>.
  2. Recycled Content: Postconsumer recycled content plus one-half of preconsumer recycled content not less than [**25**] <Insert number> percent.
  3. Diamond-Mesh Lath: [**Flat**] [**Self-furring**], [**2.5 lb/sq. yd. (1.4 kg/sq. m)**] [**3.4 lb/sq. yd. (1.8 kg/sq. m)**].
  4. [High Rib Lath](#): **3/8-inch (9.5-mm)** rib lath with herringbone mesh pattern; **3.4 lb/sq. yd. (1.8 kg/sq. m)**.
- C. Paper Backing: FS UU-B-790a, Type I, [**Grade D, Style 2 vapor-permeable paper**] [**Grade B, Style 1a vapor-retardant paper**] <Insert requirements>.
  1. Provide paper-backed lath [**unless otherwise indicated**] [**at exterior locations**] [**in locations indicated on Drawings**] <Insert locations>.

## 2.4 BASE-COAT CEMENT PLASTER

- A. General: Comply with ASTM C926 for applications indicated.
  1. Fiber Content: Add fiber to base-coat mixes after ingredients have mixed at least two minutes. Comply with fiber manufacturer's written instructions for fiber quantities in

mixes, but do not exceed **1 lb of fiber/cu. yd.** (**0.6 kg of fiber/cu. m**) of cementitious materials.

B. Base-Coat Mixes for Use over Metal Lath: Scratch and brown coats for three-coat plasterwork as follows:

1. Portland Cement Mixes:

- a. Scratch Coat: For cementitious material, mix 1 part portland cement and **[0 to 3/4]** **[3/4 to 1-1/2]** parts lime. Use 2-1/2 to 4 parts aggregate per part of cementitious material.
- b. Brown Coat: For cementitious material, mix 1 part portland cement and **[0 to 3/4]** **[3/4 to 1-1/2]** parts lime. Use 3 to 5 parts aggregate per part of cementitious material, but not less than volume of aggregate used in scratch coat.

2. Masonry Cement Mixes:

- a. Scratch Coat: Mix 1 part masonry cement and 2-1/2 to 4 parts aggregate.
- b. Brown Coat: Mix 1 part masonry cement and 3 to 5 parts aggregate, but not less than volume of aggregate used in scratch coat.

3. Portland and Masonry Cement Mixes:

- a. Scratch Coat: For cementitious material, mix 1 part portland cement and 1 part masonry cement. Use 2-1/2 to 4 parts aggregate per part of cementitious material.
- b. Brown Coat: For cementitious material, mix 1 part portland cement and 1 part masonry cement. Use 3 to 5 parts aggregate per part of cementitious material, but not less than volume of aggregate used in scratch coat.

4. Plastic Cement Mixes:

- a. Scratch Coat: Mix 1 part plastic cement and 2-1/2 to 4 parts aggregate.
- b. Brown Coat: Mix 1 part plastic cement and 3 to 5 parts aggregate, but not less than volume of aggregate used in scratch coat.

5. Portland and Plastic Cement Mixes:

- a. Scratch Coat: For cementitious material, mix 1 part plastic cement and 1 part portland cement. Use 2-1/2 to 4 parts aggregate per part of cementitious material.
- b. Brown Coat: For cementitious material, mix 1 part plastic cement and 1 part portland cement. Use 3 to 5 parts aggregate per part of cementitious material, but not less than volume of aggregate used in scratch coat.

C. Base-Coat Mixes for Use over Low-Absorption Unit Masonry and Concrete: Single base (scratch) coat for two-coat plasterwork on low-absorption plaster bases as follows:

1. Portland Cement Mix: For cementitious material, mix 1 part portland cement and 0 to 3/4 part lime. Use 2-1/2 to 4 parts aggregate per part of cementitious material.
2. Portland and Masonry Cement Mix: For cementitious material, mix 1 part portland cement and 1 part masonry cement. Use 2-1/2 to 4 parts aggregate per part of cementitious material.

3. Plastic Cement Mix: Use 1 part plastic cement and 2-1/2 to 4 parts aggregate.
- D. Base-Coat Mixes for Use over High-Absorption Unit Masonry and Concrete: Single base (scratch) coat for two-coat plasterwork on high-absorption plaster bases as follows:
1. Portland Cement Mix: For cementitious material, mix 1 part portland cement and 3/4 to 1-1/2 parts lime. Use 2-1/2 to 4 parts aggregate per part of cementitious material.
  2. Masonry Cement Mix: Use 1 part masonry cement and 2-1/2 to 4 parts aggregate.
  3. Portland and Masonry Cement Mix: For cementitious material, mix 1 part portland cement and 1 part masonry cement. Use 2-1/2 to 4 parts aggregate per part of cementitious material.
  4. Plastic Cement Mix: Use 1 part plastic cement and 2-1/2 to 4 parts aggregate.

## 2.5 CEMENT PLASTER FINISH COATS

- A. Job-Mixed Finish-Coat Mixes:
1. Portland Cement Mix: For cementitious materials, mix 1 part portland cement and **[3/4 to 1-1/2]** **[1-1/2 to 2]** parts lime. Use 1-1/2 to 3 parts aggregate per part of cementitious material.
  2. Masonry Cement Mix: Use 1 part masonry cement and 1-1/2 to 3 parts aggregate.
  3. Portland and Masonry Cement Mix: For cementitious materials, mix 1 part portland cement and 1 part masonry cement. Use 1-1/2 to 3 parts aggregate per part of cementitious material.
  4. Plastic Cement Mix: Use 1 part plastic cement and 1-1/2 to 3 parts aggregate.
- B. Ready-Mixed Finish-Coat Plaster: Mill-mixed portland cement, aggregates, coloring agents, and proprietary ingredients.
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. California Stucco Products Corp.
    - b. Master Wall Inc.
    - c. Omega Products International, Inc.
    - d. Parex USA, Inc.
    - e. Senergy by Master Builders Solutions.
    - f. Sto Corp.
    - g. **<Insert manufacturer's name>**.
  2. Color: **[Match Architect's sample]** **[As selected by Architect from manufacturer's full range]** **<Insert color>**.
- C. Acrylic-Based Finish Coatings: Factory-mixed acrylic-emulsion coating systems formulated with colorfast mineral pigments and fine aggregates; for use over cement plaster base coats. Include manufacturer's recommended primers and sealing topcoats for acrylic-based finishes.
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

- a. Dryvit Systems, Inc.
  - b. Finestone; Master Builders Solutions.
  - c. Master Wall Inc.
  - d. Omega Products International, Inc.
  - e. Senergy; Master Builders Solutions.
  - f. Sto Corp.
  - g. **<Insert manufacturer's name>**.
2. Color: **[Match Architect's sample] [As selected by Architect from manufacturer's full range] <Insert color>**.

## 2.6 ACCESSORIES

- A. General: Comply with ASTM C1063, and coordinate depth of trim and accessories with thicknesses and number of plaster coats required.
- B. Metal Accessories:
1. Basis-of-Design Product: Subject to compliance with requirements, provide products by ClarkDietrich or comparable product by one of the following:
    - a. CEMCO; California Expanded Metal Products Co.
    - b. Stockton Products.
    - c. **<Insert manufacturer's name>**.
  2. Foundation Weep Screed: Fabricated from hot-dip galvanized-steel sheet, ASTM A653/A653M, **G60 (Z180)** zinc coating.
  3. Cornerite: Fabricated from expanded-metal lath with ASTM A653/A653M, **G60 (Z180)**, hot-dip galvanized-zinc coating.
    - 1) Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; Cornerite or comparable product.
  4. Strip Lath: Fabricated from expanded-metal lath with ASTM A653/A653M, **G60 (Z180)**, hot-dip galvanized zinc coating.
    - 1) Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; Strip Lath or comparable product.
  5. External- (Outside-) Corner Reinforcement: Fabricated from metal lath with ASTM A653/A653M, **G60 (Z180)**, hot-dip galvanized-zinc coating.
  6. Cornerbeads: Fabricated from **[zinc] [zinc-coated (galvanized) steel] [or] [anodized aluminum]**.
    - a. Smallnose cornerbead with expanded flanges; use unless otherwise indicated.
      - 1) Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; #1A Expanded Corner Bead or comparable product.
    - b. Smallnose cornerbead with perforated flanges; use on curved corners.

- c. Smallnose cornerbead with expanded flanges reinforced by perforated stiffening rib; use on columns and for finishing unit masonry corners.
    - 1) Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; [#2A Expanded Corner Bead](#) or comparable product.
  - d. Bullnose cornerbead, radius **3/4 inch (19 mm)** minimum, with expanded flanges; use at locations indicated on Drawings.
7. Casing Beads: Fabricated from [**zinc**] [**zinc-coated (galvanized) steel**] [**or**] [**anodized aluminum**]; square-edged style; with expanded flanges.
- a. Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; [#66X Expanded Flange Casing Bead](#) or comparable product.
8. Control Joints: Fabricated from [**zinc**] [**or**] [**zinc-coated (galvanized) steel**]; one-piece-type, folded pair of unperforated screeds in M-shaped configuration; with perforated flanges and removable protective tape on plaster face of control joint.
- a. Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; [Zinc Control Joint](#) or comparable product.
9. Expansion Joints: Fabricated from [**zinc**] [**or**] [**zinc-coated (galvanized) steel**]; folded pair of unperforated screeds in M-shaped configuration; with expanded flanges.
- a. Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; [#15 Double-V Control Joint](#) or comparable product.
10. Two-Piece Expansion Joints: Fabricated from [**zinc**] [**zinc-coated (galvanized) steel**] [**or**] [**anodized aluminum**]; formed to produce slip-joint and square-edged reveal that is adjustable from **1/4 to 5/8 inch (6 to 16 mm)** wide; with perforated flanges.
- a. Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; [#40 Two-Piece Expansion Joint](#) or comparable product.
- C. Plastic Accessories: Manufactured from PVC or CPVC plastic in accordance with ASTM C1861.
- 1. Basis-of-Design Product: Subject to compliance with requirements, provide products by ClarkDietrich or comparable product by one of the following:
    - a. **<Insert manufacturer's name>**.
  - 2. Cornerbeads: With perforated flanges.
    - a. Smallnose cornerbead; use unless otherwise indicated.
      - 1) Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; Vinyl [#1 Corner Bead](#) or comparable product.



- b. Bullnose cornerbead, radius **3/4-inch (19-mm)** minimum; use at locations indicated on Drawings.
  - 1) Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; Vinyl [Bullnose Corner Bead](#) or comparable product.
- 3. Casing Beads: With perforated, enhanced flanges for plaster embedment, in depth required to suit plaster bases indicated and flange length required to suit applications indicated.
  - a. Square-edge style; use unless otherwise indicated.
    - 1) Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; Vinyl [BackerBead with E-Flange](#) [[E-Flange](#)] Casing Bead or comparable product.
  - b. Bullnose style, radius **3/4-inch (19-mm)** minimum; use at locations indicated on Drawings.
    - 1) Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; Vinyl [Bullnose Casing Bead](#) or comparable product.
- 4. Control Joints: One-piece-type, folded pair of unperforated screeds in M-shaped configuration; with perforated flanges and removable protective tape on plaster face of control joint.
  - a. Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; Vinyl [E-Flange Control Joint](#) or comparable product.
- 5. Expansion Joints: Two-piece type, formed to produce slip-joint and square-edged [**1/2-inch- (13-mm-)**] [**1-inch- (25-mm-)**] [**1-1/2-inch- (38-mm-)**] <Insert dimension> wide reveal; with perforated concealed flanges.
  - a. Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; Vinyl [Expansion Joint](#) or comparable product.
- 6. Channel Reveals: PVC reveals complying with ASTM C1861.
  - a. Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; Vinyl [Channel Reveal](#) or comparable product.
- 7. Soffit Vents: PVC reveals complying with ASTM C1047.
  - a. Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; Vinyl [Soffit Vent](#) or comparable product.
- D. Rainscreen Drainage Mat: System that creates pressure-equalized airspace between structural envelope and exterior masonry cladding.
  - 1. Basis-of-Design Product: Subject to compliance with requirements, provide ClarkDietrich; [E-Screen Entangled Mesh System](#) or comparable product.

- a. Advanced Building Products; Mortairvent.
  - b. <Insert manufacturer's name>.
2. Thickness: [0.25 inch (6 mm)] [0.4 inch (10 mm)].

## 2.7 PLASTER MATERIALS

- A. Portland Cement: ASTM C150/C150M, [Type I] [Type II].
  1. Color for Finish Coats: [White] [Gray].
- B. Masonry Cement: ASTM C91/C91M, Type N.
  1. Color for Finish Coats: [White] [Gray].
- C. Plastic Cement: ASTM C1328/C1328M.
- D. Colorants for Job-Mixed Finish Coats: Colorfast mineral pigments that produce finish plaster color [to match Architect's sample] <Insert requirements>.
- E. Lime: ASTM C206, Type S; or ASTM C207, Type S.
- F. Sand Aggregate: ASTM C897.
  1. Color for Job-Mixed Finish Coats: [White] [In color matching Architect's sample].
- G. Perlite Aggregate: ASTM C35.
- H. Exposed Aggregates for Finish Coats: [For marbled finish, clean, sound, crushed marble matching color and size gradation of Architect's sample] <Insert requirements>.

## 2.8 MISCELLANEOUS MATERIALS

- A. Water for Mixing and Finishing Plaster: Potable and free of substances capable of affecting plaster set or of damaging plaster, lath, or accessories.
- B. Fiber for Base Coat: Alkaline-resistant glass or polypropylene fibers, 1/2 inch (13 mm) long, free of contaminants, manufactured for use in cement plaster if recommended by cement manufacturer.
- C. Bonding Compound: ASTM C932.
- D. Fasteners for Attaching Metal Lath to Substrates: ASTM C1063.
- E. Wire: ASTM A641/A641M, Class 1 zinc coating, soft temper, not less than 0.0475-inch (1.21-mm) diameter unless otherwise indicated.
- F. Acoustical Sealant: As specified in Section 079219 "Acoustical Joint Sealants."

## PART 3 - EXECUTION

## 3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

## 3.2 PREPARATION

- A. Protect adjacent work from soiling, spattering, moisture deterioration, and other harmful effects caused by plastering.
- B. Prepare smooth, solid substrates for plaster in accordance with ASTM C926.

## 3.3 INSTALLATION, GENERAL

- A. Fire-Resistance-Rated Assemblies: Install components in accordance with requirements for design designations from listing organization and publication indicated on Drawings.

## 3.4 INSTALLATION OF DRAINAGE MAT

- A. Install rainscreen in accordance with manufacturer's instructions at locations indicated on Drawings.
- B. Install rainscreen after windows and doors have been installed and flashed.
- C. Install rainscreen with blue matrix side against weather-resistant barrier and with mortar-deflection fabric facing outward.

## 3.5 INSTALLATION OF METAL LATH

- A. Metal Lath: Install in accordance with ASTM C1063.
  - 1. Partition Framing and Vertical Furring: Install **[flat-diamond-mesh]** **[welded-wire]** lath.
  - 2. Flat-Ceiling and Horizontal Framing: Install **[flat-diamond-mesh]** **[3/8-inch (10-mm) rib]** **[welded-wire]** lath.
  - 3. Curved-Ceiling Framing: Install **[flat-diamond-mesh]** **[welded-wire]** lath.
  - 4. On Solid Surfaces, Not Otherwise Furred: Install self-furring, **[diamond-mesh]** **[welded-wire]** lath.

## 3.6 INSTALLATION OF WIRE LATH

- A. Installation: In accordance with IAPMO UES ER 2017; fastener type and spacing in accordance with ASTM C1063 with the exception that fasteners may attach lath to framing supports at

[furring crimps on the vertical cross wire] [intersection of the longitudinal wire and cross wire] [any point along longitudinal wire]. [Nail] [Screw] [Staple] lath fastening points to coincide with longitudinal wires.

1. Maximum Support Spacing: **16 inches (406 mm)** o.c.
2. Maximum Support Spacing: In accordance with Table 3 of ASTM C1063, as an alternative to [**1.14 lb/sq. yd. (0.62 kg/sq. m) welded wire**] [**2.5 lb/sq. yd. (1.4 kg/sq. m) diamond-mesh metal lath**].
3. Maximum Support Spacing: In accordance with Table 3 of ASTM C1063, as an alternative to [**1.95 lb/sq. yd. (1.1 kg/sq. m) welded wire**] [**3.4 lb/sq. yd. (1.8 kg/sq. m) diamond-mesh metal lath**].

B. Installation: In accordance with IAPMO UES ER 2017; fastener type and attachment in accordance with ASTM C1063 with exception that fasteners attach lath at framing supports every second rib, either at furring crimps on vertical cross wire, at intersection of longitudinal wire and cross wire, or any point along longitudinal wire welded to furring crimp. When using screws, deformation of rib is preferable.

1. Maximum Support Spacing: [**1.4 lb/sq. yd. (0.75 kg/sq. m) welded wire**] [**3.4 lb/sq. yd. (1.8 kg/sq. m) hi-rib lath**], in accordance with Table 3 of ASTM C1063. Lap lath minimum one mesh at sides. Lap end laps a minimum one mesh over supports. Stagger ends of sheets between courses.

### 3.7 INSTALLATION OF ACCESSORIES

A. Install in accordance with ASTM C1063 and at locations indicated on Drawings.

B. Reinforcement for External (Outside) Corners:

1. Install [**lath-type, external-corner reinforcement**] [**cornerbead**] at exterior locations.
2. Install cornerbead at interior locations.

C. Control Joints: Locate as approved by Architect for visual effect and as follows:

1. As required to delineate plasterwork into areas (panels) of the following maximum sizes:
  - a. Vertical Surfaces: **144 sq. ft. (13.4 sq. m)**.
  - b. Horizontal and Other Nonvertical Surfaces: **100 sq. ft. (9.3 sq. m)**.
2. At distances between control joints of not greater than **18 ft. (5.5 m)** o.c.
3. As required to delineate plasterwork into areas (panels) with length-to-width ratios of not greater than 2-1/2:1.
4. Where control joints occur in surface of construction directly behind plaster.
5. Where plasterwork areas change dimensions, to delineate rectangular-shaped areas (panels) and to relieve the stress that occurs at the corner formed by the dimension change.

### 3.8 APPLICATION OF BASE-COAT CEMENT PLASTER

A. General: Comply with ASTM C926.

1. Do not deviate more than plus or minus **1/4 inch in 10 ft. (6 mm in 3 m)** from a true plane in finished plaster surfaces when measured by a **10-ft. (3-m)** straightedge placed on surface.
  2. Finish plaster flush with metal frames and other built-in metal items or accessories that act as a plaster ground unless otherwise indicated. Where casing bead does not terminate plaster at metal frame, cut base coat free from metal frame before plaster sets and groove finish coat at junctures with metal.
  3. Provide plaster surfaces that are ready to receive field-applied finishes indicated.
- B. Bonding Compound: Apply on **[unit masonry] [and] [concrete]** substrates for direct application of plaster.
- C. Walls; Base-Coat Mixes for Use over Metal Lath: For scratch and brown coats, for three-coat plasterwork with **3/4-inch (19-mm)** total thickness, as follows:
1. Portland cement mixes.
  2. Portland and masonry cement mixes.
  3. Plastic cement mixes.
  4. Portland and plastic cement mixes.
- D. Ceilings; Base-Coat Mixes for Use over Metal Lath: For scratch and brown coats, for three-coat plasterwork and having **[1/2-inch (13-mm) total thickness] [3/4-inch (19-mm) total thickness for metal lath on concrete]**, as follows:
1. Portland cement mixes.
  2. Portland and masonry cement mixes.
  3. Plastic cement mixes.
  4. Portland and plastic cement mixes.
- E. Walls; Base-Coat Mix: For base (scratch) coat, for two-coat plasterwork and having **[3/8-inch (10-mm) thickness on masonry] [1/4-inch (6-mm) thickness on concrete]**, as follows:
1. Portland cement mix.
  2. Portland and masonry cement mix.
  3. Plastic cement mix.
  4. Portland and plastic cement mix.
- F. Ceilings; Base-Coat Mix: For base (scratch) coat, for two-coat plasterwork and having **1/4-inch (6-mm)** thickness on concrete, as follows:
1. Portland cement mix.
  2. Portland and masonry cement mix.
  3. Plastic cement mix.
  4. Portland and plastic cement mix.

### 3.9 APPLICATION OF CEMENT PLASTER FINISH COATS

- A. Plaster Finish Coats: Apply to provide **[float] [dash] [scraped trowel-textured] [skip trowel-textured] [brocade (knock-down dash)] [trowel sweep] [combed] [sacked (California mission)] [English] [marblecrete]** <Insert requirements> finish to match Architect's sample.

- B. Acrylic-Based Finish Coatings: Apply coating system, including primers, finish coats, and sealing topcoats, in accordance with manufacturer's written instructions.
- C. Concealed Exterior Plasterwork: Where plaster application is used as a base for adhered finishes, omit finish coat.
- D. Concealed Interior Plasterwork:
  - 1. Where plaster application is concealed behind built-in cabinets, similar furnishings, and equipment, apply finish coat.
  - 2. Where plaster application is concealed above suspended ceilings and in similar locations, omit finish coat.
  - 3. Where plaster application is used as a base for adhesive application of tile and similar finishes, omit finish coat.

### 3.10 REPAIR

- A. Repair or replace work to eliminate cracks, dents, blisters, buckles, crazing and check cracking, dry outs, efflorescence, sweat outs, and similar defects and where bond to substrate has failed.

### 3.11 CLEANING

- A. Remove temporary protection and enclosure of other work after plastering is complete.
- B. Promptly remove plaster from door frames, windows, and other surfaces not indicated to be plastered.
- C. Repair floors, walls, and other surfaces stained, marred, or otherwise damaged during plastering.

END OF SECTION 092400