

SECTION 92400 – PORTLAND CEMENT PLASTERING

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:

1. Portland Cement Plaster
2. Metal lath and accessories
3. Weather resistant barriers

B. Related Sections:

C. Drawings, the provisions Agreement, the General Conditions, and Division 01 specifications apply to all work in this section.

D. Substitutions: Substitute products will be considered only under the terms and condition of section 016000.

1.2 REFERENCES

A. American Society for Testing and Materials (ASTM)

1. A653 – Standard Specification for Sheet Steel, Zinc Coated (Galvanized) or Zinc Iron Alloy Coated (Galvannealed) by the Hot Dip Process
2. A924 – Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot Dip Process
3. C150 – Portland Cement
4. C206 – Finishing Hydrated Lime
5. C207 – Hydrated Lime for Masonry Purposes
6. C847 – Standard Specification for Metal Lath
7. C1063 – Lathing and Furring for Portland Cement and Portland Cement Lime Plastering, Exterior (Stucco) and Interior

1.3 SUBMITTALS

- A. Make submittals in accordance with Section 013300, unless otherwise specified
- B. Product Data: Submit product literature for each plaster accessory proposed for the work
- C. Samples
- D. Quality Control Submittals
- E. Warranty Draft: Concurrent with initial product data submittal, submit draft of manufacturer's warranty for stucco coating for Architect's review of terms. Draft shall include exceptions and inclusions

1.4 QUALITY ASSURANCE

- A. Building Codes: Materials, systems, and installation shall conform to the requirements of jurisdictional Code authorities
- B. Details of workmanship and installation not specified herein shall conform to specifications and recommendations of the following:
 - 1. Technical Services Information Bureau – (Orange, CA 714-221-5530)
- C. Pre-Installation Meeting
 - 1. Prior to ordering materials and starting work on this Section, and in accordance with Section 013119, meet with the following parties:
 - a. Owner
 - b. Architect
 - c. General Contractor
 - d. Cement Plaster Subcontractor
 - e. Sealant Subcontractor
 - f. Finish Coating Subcontractor
 - 2. Review procedures, details, and order of application regarding cement plaster and related construction. Discuss and determine responsibility for protection of the completed work
- D. Mock Up Mandatory: Shall be built per Architects specifications

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Comply with provisions of Section 016000
- B. Schedule procurement with regard to availability and lead times of Diamond<>Furr® System of products to avoid project delays due to material availability
- C. All Diamond<>Furr products shall be stored inside the building on a level floor

1.6 COORDINATION

- A. Properly coordinate work with work of other trades. Verify location where work of other trades is indicated to penetrate cement plaster work
- B. Coordinate with work of other Sections for installation of sleeves, boxes, flanges and other related work
- C. Install system components so that there is no direct contact with mechanical work, except as detailed, at points of penetration

1.7 ENVIRONMENTAL CONDITIONS

1.8 WARRANTY

- A. See Manufacturer's warranty

1.9 SUBCONTRACTOR GUARANTEE

- A. Furnish Subcontractor Guaranties in accordance with Section 017700

PART 2 – PRODUCTS

2.1 PLASTER AND ACCOCIATED WALL MATERIALS

2.2 LATH AND UNDERLAYMENT

- A. 3.4 non furred Metal Lath
- B. Air and Weather Barriers

2. Field cut accessories as necessary for accurate alignment and conformance to details; make all cuts neat and straight; remove burrs before installation
3. Install accessories in accurate alignment, straight, and according to details. Install shims behind flanges of accessories as necessary to achieve proper face location for accurate screeding to finished surface
4. Field drill accessories as necessary for anchorage
5. Install accessories for accurate alignment at end to end joints
6. Apply sealant behind end to end joints in control joint accessories, prior to application of plaster
7. Construct joints and intersections in accessories to preclude rainwater leakage.
8. Control Joints:
 - a. Install control joints where shown. Where not shown, install control joints to form rectangle or square areas not exceeding 144 square feet maximum with no dimension exceeding 12 feet or a length to width ratio not to exceed 2 ½ to 1. Verify exact locations with Architect prior to installation
9. Install reveals (Trims) at locations indicated on drawings
10. Install weep screeds at bottom terminating edge of plaster
11. Except as otherwise detailed, case finishes terminating at dissimilar materials; install corner bead at all outside corners
12. Corner beads shall be wire tied to metal lath; no fasteners shall be used to secure corner bead to substrate
13. Stops, other than casings, where shown or required around lighting fixtures, air diffusers, etc. are to be furnished under other Sections for installation as part of the cement plaster work. Type of

DFS-15375: Install per details at termination points requiring J-Mold type plaster stop

- DFW-15375: Install per details at base of exterior wall at uniform height to perform as weep screed 2" paved 4" earth
 - a. Install 2" x 2" corners to the hems the vertical laps part series terms at side a d uts de c r ers. r ers shall be caulked
 - b. Paste thru h ram lush th ram c r er. h m beh d as ecessar t create u rm sh.
 - c. r v de spl ce plates he t peces am d urr eep r t p pr ducts t ether at butt ts shall be caulked
 - d. ts t the hem butt parts splc t t ether pr r t al aste b staller
 - e. lace spl ce the ual am u t each s de butt t

4. DF-375WG: Fasten over rigid insulation on opposite sides of framing member at inside and outside corner conditions per details

5. DFWD-15375: Install per details over window and door heads

DFXS-15375: Install per details two-piece slip joint at floor line

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DFWS-15375: Install per details at all punched window openings

8. DF-PCC:

Factory pre-cut 90° corners used to connect DFS and DFWS series trims

b DF-PCC fits into the hem of butting parts, splicing two together prior to final fastening by installer

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10. DF-375WG:

- a. Fasten over rigid insulation to vertical framing with minimum 3" long #8 zinc plated wafer or bugle head self tapping screws
- b. Install plaster slip joints prior to the installation of the DF-375 furring strips over the rigid insulation

11. DF-375NG:

- a. Fasten as furring and backing components when installing aluminum trim over rigid insulation. No gasket is required in this condition.
- b. See plans for specific trim locations
- c. Attach with #8 ½ " zinc plated wafer head self tapping screws in conjunction with Diamond<>Furr® DFC metal clips

12. DFC:

- a. Provide Clips attached over furring component (DF-375NG) of Diamond<>Furr® products to hold backing for trims.
- b. Wire-tie clips to DF-375 for horizontal and vertical backing

E. Insulation:

1. Type: Refer to Section 072100 – Thermal Insulation
2. Special Sizes:
 - a. Provide rigid insulation from the supplier cut approximately 1" width by 8' length by 1 1/2" height and stagger all joints
 - b. Fit 1" wide insulation into Diamond<>Furr® trim parts between inside part of termination point and furring components (DFS-15375, DFWD-15375, DFWS-15375 series, and DFW-15375)
3. Outside corners: Provide rigid insulation at outside corners to create a flush corner condition with edges perpendicular to each other allowing one side to completely cover the other. Field cut insulation as necessary.

4. Spray Foam Insulation: Provide rigid insulation manufacturer approved spray foam insulation to fill in any gaps occurring during installation of rigid insulation insulation 1/8" or greater prior to lath being installed. Follow manufacturer's instructions for flashing joints and penetrations.

F. Lath:

1. Attach non furred 3.4 metal lath in accordance with ASTM C1063
2. Metal lath over rigid insulation:
 - a. Metal lath shall be attached with 18 gauge galvanized wire, in a butterfly style tie, a minimum of every 6.5" to all Diamond<>Furr® trim and furring strip products
 - b. Metal lath shall be broken around all reveals or slip joints in such a way as to accommodate the parts and Diamond<>Furr® attachment components (DF-375)
 - c. Metal lath shall not be mechanically attached to reveals or slip joints