SECTION 09 24 00

PORTLAND CEMENT PLASTERING

(MERLEX STUCCO INSULEX)

GENERAL NOTES TO SPECIFIER: THIS SPECIFICATION SECTION HAS BEEN PREPARED TO ASSIST DESIGN PROFESSIONALS IN THE PREPARATION OF PROJECT OR OFFICE MASTER SPECIFICATIONS. IT FOLLOWS GUIDELINES ESTABLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE, AND THEREFORE MAY BE USED WITH MOST MASTER SPECIFICATION SYSTEMS WITH MINOR EDITING. EDIT CAREFULLY TO SUIT PROJECT REQUIREMENTS. MODIFY AS NECESSARY AND DELETE ITEMS THAT ARE NOT APPLICABLE.THIS. IF THE PROJECT MANUAL DOES NOT CONTAIN THESE SECTIONS, ADDITIONAL INFORMATION SHOULD BE INCLUDED UNDER THE APPROPRIATE ARTICLES. THIS IS A PROPRIETARY SPECIFICATION FOR MERLEX STUCCO “INSULEX” FIBER-REINFORCED CONTINUOUS INSULATION STUCCO SYSTEM. MAKE APPROPRIATE SELECTIONS AND DELETE OTHERS.

THIS SPECIFICATION PROVIDES A GUIDELINE FOR THE USE AND SPECIFICATION OF MERLEX INSULEX SPECIFIC WALL ASSEMBLIES INCORPORATING MERLEX INSULEX SHOULD CONFORM TO ASTM C 150. THIS GUIDE SPECIFICATION INCORPORATES CSI *MASTERFORMAT* 2004 EDITION.

GENERAL

* 1. SECTION INCLUDES
     1. Exterior Portland cement plasterwork (stucco) and accessories.
  2. RELATED SECTIONS
     1. Section 03 30 00: Cast-In-Place Concrete
     2. Section 04 20 00: Unit Masonry
     3. Section 05 40 00 Cold-Formed Metal Framing: for structural, load-bearing (transverse and axial) steel studs and joists that support lath and Portland cement plaster.
     4. Section 06 10 00 Rough Carpentry
     5. Section 06 16 00 Sheathing
     6. Section 07 90 00 Joint Sealers
     7. Section 08 00 00 Openings
     8. Section 09 22 00 Supports for Plaster and Gypsum Board
  3. REFERENCES
     1. ASTM International (ASTM):
        1. ASTM C 578 – Specification for Performed, Cellular Polystyrene Thermal Insulation
        2. ASTM A 641/A 641M - Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire
        3. ASTM A 653/A 653M - Standard Specification for Seamless and Welded Zirconium and Zirconium Alloy Welding Fittings
        4. ASTM B 69 - Standard Specification for Rolled Zinc ?
        5. ASTM C 150 - Standard Specification for Portland Cement
        6. ASTM C 847 - Standard Specification for Metal Lath
        7. ASTM C 897 - Standard Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters
        8. ASTM C 926 - Standard Specification for Application of Portland Cement-Based Plaster
        9. ASTM C 932 - Standard Specification for Surface-Applied Bonding Compounds for Exterior Plastering
        10. ASTM C 933 - Standard Specification for Welded Wire Lath
        11. ASTM C 1032 – Standard Specification for Woven Wire Plaster Base
        12. ASTM C 1063 - Standard Specification for Installation of Lathing and Furring for Exterior Portland Cement-Based Plaster.
        13. ASTM D 1784 - Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds.
        14. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials.
        15. ASTM C 1177 – Specification for Glass Mat Gypsum for Use as Sheathing
        16. ASTM C 1278 – Specification for Fiber-Reinforced Gypsum Panel
        17. ASTM C 1396 – Standard Specification for Gypsum Board
        18. ASTM D 1784 – Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds
        19. ASTM E 84 – Test Method for Surface Burning Characteristics of Building Materials
        20. ASTM E 119 – Method for Fire Tests of Building Construction and Materials
        21. ASTM E 283 – Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors under Specified Pressure Differences across the Specimen
        22. ASTM E330 – Test Method for Structural Performance of Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference
        23. ASTM E 331 – Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference
        24. ASTM E 2430 – Standard Specification for the use of Expanded Polystyrene (EPS) Insulation Board in External Insulation and Finish Systems (EIFS)
        25. ASTM G 155 – Standard Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials
        26. UUB 790A – Specification for Building Paper
     2. International Code Council – International Building Code.
        1. IAMPO ER-382 Report.
     3. Plaster and Drywall Systems Manual, Fourth Edition.
     4. PCA (Portland Cement Association) – Plaster (Stucco) Manual.
     5. SMA (Stucco Manufacturer’s Association)

* 1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Preparation instructions and recommendations.
        2. Storage and handling requirements and recommendations.
        3. Installation methods.
     3. Shop Drawings: Show locations and installation of control and expansion joints including plans, elevations, sections, details of components, and attachments to other work, based on architectural drawings.

**Note to Specifier: Delete selection samples section if colors have already been selected.**

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips (color chart), representing manufacturer's full range of available colors and patterns.
    2. Verification Samples: For each finish product specified, two samples, minimum size 3 inches (75 mm) square, represent actual product, color, and patterns.

**Note to Specifier: Delete if not required.**

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. LEED Submittals:
       1. Product Data under MRc2 for the optional environmental product declaration: Products with a publicly available, reviewed life-cycle assessment conforming to ISO 14044 that have at least a cradle to gate scope, and products with a product-specific declaration are valued as one quarter (1/4) of a product for the purposes of calculation using an industry-wide EPD. Products with an industry-wide EPD are valued as one half (1/2) of a product for purposes of calculation. Products with product-specific Type III EPD’s are valued as one whole product for purposes of calculation. Multi-attribute optimization is second options under MRc2, which offers the use of products that meet at least one of the attributes below 50%, by cost, of the total value of permanently, install products in the project. Value examples – certifications that verify impact reduction below industry average in at least three of the following criteria: greenhouse gases, in CO2e, depletion of nonrenewable energy resources, MJ, and depletion of the stratospheric ozone layer, in kg CFC-11. Products that meet above the criteria are valued according to source location: sourced within 100 miles of the project site are valued at 200% of their cost. Final product value is determined by structure and enclosure materials may not constitute more than 30% of the value of compliant building products.
       2. Product Data under MRc3 for optional raw material source and extraction reporting: Products use at least 20 different permanently installed products from manufacturers that have publicly released a report from their raw materials suppliers including extraction locations, commitment to long-term ecologically responsible land use, commitment to reducing environmental harms from extraction and/or manufacturing processes, commitment to meeting applicable standards or programs voluntarily that address responsible sourcing criteria; products must be sourced from at least 5 different manufacturers and the manufacturer declared reports are valued as one half (1/2) of a product. Leadership extraction practices use optional products must meet at least one of the responsible extraction criteria below for at least 25% by cost. Extended producer responsibility, bio-based materials, recycle content, products sourced within 100 miles of the project site are valued at 200% of their cost. Structure and enclosure materials may not constitute more than 30% of the value of compliant building products.
       3. Product Data under MRc4 for the optional material ingredient reporting, use at least 20 different permanently installed products demonstrate the chemical inventory of the product: Cradle to Cradle (the end use product has been certified at the Cradle to Cradle v2 Basic Level or Bronze Level. The additional option is to use products that document their material ingredient optimization using the paths below for at least 25%, by cost, of the total value of permanently installed products in the project. Engage in validated and robust safety, health, hazard, and risk programs. Document at least 99% by weight of the ingredients used to make the building product or material.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Regularly engaged in manufacture of stucco systems for at least 5 years.
     2. Installer Qualifications:
        1. Provide proof of current contractor’s license, bond insurance, and documentation of experience in application of Portland cement stucco for a minimum of three years.
        2. Knowledge in the proper use and handling of stucco materials.
        3. Employ skilled mechanics that are experienced and knowledgeable in Portland cement stucco application, and familiar with the requirements of the specific work.
        4. Successful completion of minimum of three projects of similar size and complexity to the specified project.
        5. Able to provide the proper equipment, manpower, and supervision on the jobsite to install the system in compliance with published specifications, details, and the project specific construction documents and drawings.
        6. Experienced installer of lathing and plastering systems with familiarity with manufacturer's products scheduled for the work.
     3. Fire-Resistance Ratings: Where indicated, provide Portland cement plaster assemblies identical to those of assemblies tested for fire resistance per ASTM E 119 by, and displaying a classification label from, a qualified independent testing agency acceptable to the authority having jurisdiction. Identify products with appropriate markings of applicable testing agency.
        1. Construct fire-resistance rated partitions in compliance with tested assembly requirements indicated on drawings.
        2. Rated assemblies shall be substantiated from applicable testing using proposed products, by Contractor.
        3. Indicate design designations from UL's "Fire Resistance Directory" or from the listings of another qualified testing agency.
     4. Sound-Transmission Characteristics: Where indicated, provide Portland cement plaster assemblies identical to those of assemblies tested for STC ratings per ASTM E 90 and classified according to ASTM E 413 by a qualified testing agency.
     5. Mockups: Before plastering, install mockups of at least 100 sf (9.3 sq. m) (job specific) in surface area to demonstrate aesthetic effects and set quality standards for materials and execution (depending on project size if appropriate).
        1. Install mockups for each type of finish indicated.
        2. For interior plasterwork, simulate finished lighting conditions for review of mockups.
        3. Approved mockups may become part of the completed work if undisturbed at time of Substantial Completion.
     6. Preinstallation Conference: Conduct conference at jobsite.
  2. DELIVERY, STORAGE, AND HANDLING
     1. Deliver all materials in their original sealed containers bearing manufacturer’s name and identification of product.
     2. Protect Portland cement based materials (bag products) from moisture and humidity. Store under cover off the ground in a cool, dry location.
     3. Protect cold-formed metal framing from corrosion, deformation, and other damage during delivery, storage, and handling as required by AISI's "Code of Standard Practice.”
  3. SITE/ENVIRONMENTAL CONDITIONS
     1. Comply with ASTM C 926 requirements and IAMPO ER-382 Report
     2. 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 degree F (4.4 degree C).
        3. Protect plaster coats from freezing for not less than 48 hours after set of plaster coat has occurred.
     3. Factory-Prepared Finishes: Comply with manufacturer's written recommendations for environmental conditions for applying finishes. Refer to Merlex Insulex technical bulletin, www.merlex.com.
     4. Prior to installation, the wall shall be inspected for surface contamination or other conditions that may adversely affect the performance of the Merlex Stucco Insulex Assembly, and shall be free of residual moisture.

1. PRODUCTS
   1. MANUFACTURERS
      1. Manufacturer: Merlex Stucco, Inc., which is located at: 2911 N. Orange-Olive Rd.; Orange, CA 92865; Tel: 714-637-1700; Fax: 714-637-4865; Email: [(service@merlex.com)](mailto:(service@merlex.com)); Web: [www.merlex.com](http://www.merlex.com)

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
  1. MATERIALS
     1. Stucco Materials: ASTM C 926 requirements and IAMPO ER-382 Report.
     2. Merlex Stucco Insulex Concentrate
        + 1. Merlex Stucco Insulex Concentrate: A fiber-reinforced Portland cement exterior plaster for use in continuous insulation, allows for accelerated job scheduling, and can be field mixed with sand, conforming to ASTM C 897 or C 144 standard, or premixed (Insulex Sanded), conforming to ASTM C 926.
          2. Lathing and Furring to Receive Exterior Portland Cement-Based Plaster: ASTM C 1063.

**Note to Specifier – Modify to suit requirements.**

* + 1. Leveling and Base Coat:
       1. Basex: Polymer-modified crack- and impact-resistant base coat used with 4.5 oz. Merlex mesh under all Portland cement and lime-based and acrylic finishes.

2.2.1 SHEATHING

1. Per IAMPO ER-382 Report.

2.2.2. WRB

1. Per IAMPO ER-382 Report.

2.2.3 FOAM BOARD

1. Per IAMPO ER-382 Report.

2. 4 x 8 EPS or XPS, 6 R-value per 1” of foam, Poly ISO or other approved insulation.

3. System can also be used without foam board.

2.2.4 LATH

A. 20 gauge, 1”

B. 17 gauge, 1.5”

C. Other options per IAMPO ER-382 Report.

D. Expanded-Metal Lath: ICC AC 191 compliant

1. 20 gauge, 1” for up to ½” total coating thickness.

2. 17 gauge, 1.5” for > ½” total coating thickness.

E. Metal Accessories: Comply with ASTM A 653/A 653M, G60 (Z180).

D. Zinc Accessories for Portland Cement Base Plaster. ASTM B 69. Fabricated from Zinc Alloy (99 percent pure zinc).

E. Mechanical Fasteners: No. 11 gauge galvanized roofing nails with 3/8” heads, 6” o.c. or No. 16 gauge galvanized staples with 7/16” heads, 6” o.c.

F. Over metal studs: No. 6 Type S screws, 6” o.c.

G. Penetrate minimum ¼”.

2.2.5 ACCESSORY MATERlALS

\*\* NOTE TO SPECIFIER \*\* Water containing salt, alum, or plaster residue accelerates plaster set and may cause efflorescence. Water containing organic or vegetable matter may retard plaster set, cause staining, and interfere with plaster bond.

* + 1. Corner mesh, vent screed, casing bead, weep screed, control, and expansion joint accessories.
    2. PVC plastic in compliance with ASTM standards D 1784 and ASTM C 1063.
    3. Zinc Alloy (99.9% pure zinc) in compliance with ASTM B 69.
    4. Galvanized metal in compliance with ASTM A 653 with minimum G60 coating. G90 recommended for coastal applications and areas of high rainfall.
  1. PLASTER MATERIAL

\*\* NOTE TO SPECIFIER \*\* Retain Type II below if sulfate resistance is required. Delete cement not required.

* + 1. Portland Cement: C 150, Type I
    2. Portland Cement: 24-3
    3. Lime: Type S

\*\* NOTE TO SPECIFIER \*\* Retain first paragraph below only after verifying availability.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Sand Aggregate: ASTM C 144 or ASTM C 897

\*\* NOTE TO SPECIFIER \*\* Delete color requirement not required.

* + - 1. Color for Job-Mixed Finish Coats: In color matching Architect's sample.

\*\* NOTE TO SPECIFIER \*\* Fire-resistance-rated Portland cement plaster assemblies require lightweight perlite aggregate rather than sand. Delete if not required.

\*\* NOTE TO SPECIFIER \*\* Exposed aggregates such as washed gravel, granite, and colored glass can be used in finish coats; large stones can also be hand placed in finish coats. Option in first paragraph below is an example only, based on marblecrete finish.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Ready-Mixed Finish-Coat Plaster: pigmented cementitious finish over prepared Portland cement based substrates for exterior surfaces.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Acrylic-Based Finish Coatings: Merlex MX Acrylic Finish, textured coating over prepared stucco brown coats, Merlex Basex, concrete, and masonry surfaces pre-mixed using VOC colorants (**Optional: 0 VOC colorants**) or include color vials to be mixed on the jobsite. Include manufacturer's recommended primers and sealing topcoats for MX Acrylic Finishes.

2.3.1 Merlex Insulex- Comply with ASTM C 926 for applications indicated.

1. Concentrate or Sanded

2. Refer to IAMPO ER-382 Report ICC Report.

3. Allow for a minimum of 48 hours for moist curing before applying finish coat.

4. Merlex Color Coat Stucco provides optimal bond to Insulex without the need for primers or bonders.

3. Water for mixing: Potable and free of substances capable of affecting plaster set or of damaging plaster, lath, or accessories.

2.3.2 Merlex Crack Reduction System

1. Basex or Levelex: polymer-modified level coat

2. 4.5 oz. mesh

2.3.3 Merlex Color Coat Stucco

1. Pigmented cementitious finish over prepared Portland cement based substrates for exterior surfaces.

2. Finish chosen by Architect – possibilities include: 16/20 Float Finish, 20/30, 30/30, Santa Barbara Smooth Finish, Dash, and Lace Textured Finish.

2.3.4 Merlex MX Acrylic Finish

1. Acrylic- Based Finish Coatings: textured coating over prepared stucco brown coats, Merlex Basex, concrete, and masonry surfaces pre-mixed using low to zero VOC colorants (depending on region) or include color vials to be mixed on the jobsite. Include optional manufacturer’s recommended primers and sealing topcoats for MX Acrylic Finishes.

1. Finish chosen by Architect – possibilities include: Medium, Fine, and Super Fine.

2.3.5 PLASTER MIXES

1. General: Comply with ASTM C 926 for applications indicated.

a. **Optional**: 3-coat application with cure times:

1. Apply by hand or plaster pump at 3/8” nominal thickness per coat.

2. Refer to IAMPO ER-382 Report.

3. Mix one 80 lb. bag of Insulex Concentrate with a 200 lb. bag of sand (approved ASTM C 897 or C 144 controlled sand), or can use optional Insulex Sanded.

4. Allow for minimum of 48 hours for moist curing before applying next coat.

5. Merlex Color Coat Stucco provides optimal bond to Insulex without the need for primers or bonders.

b. One-Coat application

1. Per the IAMPO ER-382 Report, fiber cement reduce cure times and increase production.

2. Scratch, then moist cure once a day for two days.

3. Brown on the third day after scratch, then moist cure once a day for two days.

4. Color coat five days instead of 10 days based on the UBC (CA Building Code)

\*\* NOTE TO SPECIFIER \*\* If retaining perlite aggregate for fire-resistance-rated assemblies, insert mix requirements for perlite-aggregate plaster. Retain applicable base coats in first three paragraphs below or insert others to suit Project. Coordinate with requirements retained in "Plaster Materials" Article. Delete if not required.

\*\* NOTE TO SPECIFIER \*\* Decreasing the proportion of lime in the cementitious-material mix produces a harder surface but increases the possibility of cracking.

\*\* NOTE TO SPECIFIER \*\* According to ASTM C 926, mixes in subparagraphs below are suitable for use over "low-absorption" plaster bases such as brick, concrete, and dense, smooth clay tile. Delete if not required. Delete if not required.

\*\* NOTE TO SPECIFIER \*\* According to ASTM C 926, mixes in subparagraphs below are suitable for use over "high-absorption" plaster bases such as concrete masonry, absorptive brick, and tile. Delete if not required.

1. EXECUTION
   1. EXAMINATION
      1. Examine areas and substrates, with Installer present, and including welded hollow-metal frames, cast-in anchors, and structural framing, for compliance with requirements and other conditions affecting performance of the work.
      2. Proceed with installation only after unsatisfactory conditions have been corrected.
   2. PREPARATION
      1. Protect adjacent work from soiling, spattering, moisture deterioration, and other harmful effects caused by plastering.
      2. Prepare solid substrates for plaster that are smooth or that do not have the suction capability required to bond with plaster according to ASTM C 926.
   3. INSTALLATION, GENERAL
      1. Fire-Resistance-Rated Assemblies: Install components according to requirements for design designations from listing organization and publication indicated on drawings.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Sound Attenuation Blankets: Where required, install blankets before installing lath unless blankets are readily installed after lath has been installed on one side.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Acoustical Sealant: Where required, seal joints between edges of plasterwork and abutting construction with acoustical sealant.
  1. INSTALLING SHEATHING
     1. Per APA guidelines
     2. Gap 1/8” to allow for expansion

\*\* NOTE TO SPECIFIER \*\* Retain appropriate lath for each location specified in four categories below;

\*\* NOTE TO SPECIFIER \*\* Diamond-mesh lath requires closely spaced supports when used on ceilings.

* 1. INSTALLING WRB
     1. Shingled per
  2. INSTALLING FOAM BOARD
     1. Tongue and groove
     2. Drainage channels
     3. 1” stud penetration
     4. Taping joints not required

* 1. INSTALLING METAL LATH per ASTM 1063

* + 1. Installation per ESR 2017 (refer to Structa Wire Corp., http://www.icc-es.org/reports/pdf\_files/esr-2017.pdf) - Fastener type and spacing as per ASTM C 1063 except that fasteners may attach the lath to framing supports either at the furring crimps on the vertical cross wire, at the intersection of the longitudinal wire and cross wire or any point along the longitudinal wires.
    2. Install according to ASTM C 1063 and at locations indicated on Drawings.
    3. Reinforcement for External Corners:
       1. Install lath-type, external-corner reinforcement at exterior locations.

\*\* NOTE TO SPECIFIER \*\* If retaining subparagraph above, delete option in subparagraph below.

* + - 1. Install corner bead at interior corner locations.
      2. Install corner bead at exterior corner locations.
    1. Control Joints:

\*\* NOTE TO SPECIFIER \*\* Usually retain first option in paragraph below and show joints on Drawings.

* + - 1. Install control joints at locations indicated on Drawings.
      2. Install control joints in specific locations approved by Architect for visual effect as follows:
         1. \_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Retain subparagraphs below if retaining last option in paragraph above.

* + - 1. As required to delineate plasterwork into areas (panels) of the following maximum sizes:
         1. Vertical Surfaces: 144 sq. ft. (13.4 sq. m).
         2. Horizontal and other Nonvertical Surfaces: 100 sq. ft. (9.3 sq. m).
      2. At distances between control joints of not greater than 18 feet (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.
  1. PLASTER APPLICATION
     1. General: Comply with ASTM C 926.
        1. Do not deviate more than plus or minus 1/4 inch in 10 feet (6.4 mm in 3 m) from a true plane in finished plaster surfaces, as measured by a 10-foot (3-m) straightedge placed on surface.
        2. Finish plasters 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.

\*\* NOTE TO SPECIFIER \*\* Retain subparagraph below if plaster surfaces will receive field-applied finishes.

* + - 1. Provide plaster surfaces that are ready to receive field-applied finishes indicated.
    1. Bonding Compound: Apply on unit masonry and concrete plaster bases.

\*\* NOTE TO SPECIFIER \*\* Delete mix type not required.

* + 1. Insulex: Fiber-reinforced Portland cement exterior plaster, CI (continuous insulation), one-coat stucco application over various foam substrates. **Optional:** May be applied over wood (plywood or OSB systems) or gypsum sheathing as a scratch and/or brown coat for conventional 3-coat stucco system.
    2. Plaster Finish Coats:
       1. Apply to provide float finish to match Architect's sample.
       2. Apply to provide dash finish to match Architect's sample.
       3. Apply to provide scraped trowel-textured finish to match Architect's sample.
       4. Apply to provide skip trowel-textured finish to match Architect's sample.
       5. Apply to provide brocade (knock-down dash) finish to match Architect's sample.
       6. Apply to provide trowel sweep finish to match Architect's sample.
       7. Apply to provide combed finish to match Architect's sample.
       8. Apply to provide Santa Barbara smooth troweled finish to match Architect's sample.
       9. Apply to provide English finish matching Architect's sample.
       10. Apply to provide marblecrete finish to match Architect's sample.
    3. Merlex MX Acrylic-Based Finish Coatings: Apply coating system, including primers, finish coats, and sealing topcoats, according to manufacturer's written instructions.
    4. Concealed Exterior Plasterwork: Where plaster application will be used as a base for adhered finishes, omit finish coat.
  1. PLASTER REPAIR
     1. Repair or replace work to eliminate cracks, dents, blisters, buckles, crazing and check cracking, dry outs, efflorescence, and similar defects and where bond to substrate has failed.
  2. PROTECTION
     1. Remove temporary protection and enclosure of other work. Promptly remove plaster from door frames, windows, and other surfaces not indicated to be plastered. Repair floors, walls, and other surfaces stained, marred, or otherwise damaged during plastering.

END OF SECTION