

STANDARD SPECIFICATION
JANUARY 2010

DIVISION 9

SECTION 9A PLASTERING

9A.01 GENERAL: Comply with all of the Contract Documents.

9A.02 SCOPE OF WORK: Refer to "Division Scope of Work"

9A.03 WORK NOT INCLUDED

A. The following items are excluded from the work of this Section:

1. Stud Framing - Section 6A.
2. Thermal and Acoustic Insulation - Section 7A.
3. Furnishing Access Doors - Section 15A, 15B.

9A.04 MATERIALS

A. Plastering:

1. Sand shall be clean and sharp, entirely free from loam, salts, clay, and other impurities, thoroughly screened and washed, conforming to ASTM C-35.
2. Water: clean, fresh and free from alkali and such amounts of mineral and organic substances as would affect the set of plaster.
3. Lime: Hydrated lime shall conform to ASTM C-6. Types (Pressure Hydrated).
4. Gypsum Plaster: ASTM C-28, submit name of manufacturer for approval to the Bureau of Reconstruction.
5. Plaster Bonding Agent: A chemical agent of brushing or spraying consistency that will permanently bond base or finish coat to substrate without discoloration of the finished surface. Material shall be as recommended by the plaster manufacturer.
6. Metal lath shall be expanded flat rib metal lath, weighing 3/ lbs. per square yard cut from copper bearing steel sheets, and galvanized after expansion to comply with Federal Specifications QQ-L-101C. Provide fire-rated and labeled lath (ASTM C473) where rating is called for on drawings.
7. Vermiculite Plaster (for fireproofing):
 - a. Base coat comply with ASTM C35

STANDARD SPECIFICATION
JANUARY 2010

- b. Finish coat comply with ASNI A42.1
- 8. Metal Corner Beads shall be small nose with expanded or perforated flanges, fabricated from zinc coated galvanized steel.
- 9. Casing Beads shall be square-edged style with flanges, fabricated zinc coated galvanized steel.
- 10. Tie wire shall be No. 16 ga. annealed galvanized tie wire.

9A.05 INSTALLATION

A. Plastering:

- 1. Spaces shall be fully enclosed and heated to a minimum temperature of 55 degrees during all lathing and plastering and until plaster has cured. Provide ventilation to dry plaster and remove excess moisture.
- 2. All plastering work and all materials and labor in connection therewith shall be furnished and performed in compliance with the applicable standard specifications for plastering of the American Standard Association.
- 3. All plaster shall be mixed and applied in accordance with the directions of the manufacturers.
- 4. Scratch coat for metal lath: 1 part gypsum fibered plaster to not more than 2 parts sand by weight.
- 5. Base coat for masonry and concrete; 1 part gypsum non-fibered plaster to not more than 3 parts sand by weight.
- 6. Brown coat: 1 part gypsum non-fibered plaster to not more than 3 parts sand by weight, to be applied not sooner than 48 hours after installation of scratch coat..
- 7. Finish coat: (2 and 3 coat application) 1 part gypsum gauging plaster to not more than 3 parts lime putty by volume, to be applied not sooner than seven (7) days after installation of Brown Coat.
- 8. Skim coat: In accordance with plaster manufacturer's recommendations and as approved by Architect/Engineer. Skim coat shall be a smooth trowel finish.
- 9. Application:

STANDARD SPECIFICATION
JANUARY 2010

- a. Metal Lath Installation (1) Edges and ends of sheets shall be lapped a minimum of one inch. Ends shall be lapped at supports and joints shall be staggered. Lower sheets shall overlap the upper sheets. (2) Lath shall be secured to wood framing members using nails or staples spaced 16" on center or wired to metal studs 16" o.c.

- b. Base Coat - Two Coat Work (1) The first (scratch) coat shall be applied with sufficient material and pressure to form good full keys and to cover well, and then be doubled back with the same mix to bring the plaster out to the grounds, straightened to true surface with rod and derby and left rough, ready to receive the finish coat.

- c. Base Coats - Three Coat Work (1) The first (scratch) coat shall be applied with sufficient material and pressure to form good full keys and to cover well, and then be scratched to a rough surface. Second (brown) coat shall be applied, after the first coat has set firm and hard, brought out to ground and straightened to a true surface with rod and derby, and left rough - ready to receive the finish coat.

- d. Concrete Surfaces (1) Where concrete surfaces are shown or noted to receive plaster finish, apply full covering of plaster bonding agent by brushing or spraying over the entire concrete surface. Prior to application of the bonding agent, remove all dirt, dust, oil, grease and loose material from concrete surfaces. Protect adjoining surfaces from bonding agent. Apply as recommended by manufacturer.

- e. Finish Coats - general
 - 1) Plaster shall have a smooth trowel finish or to match adjacent surfaces.
 - 2) Thickness of finish coats (except skim coats) shall be from 1/16 to 1/8 inch. Dampen base coats as recommended by the plaster manufacturer.
 - 3) Where plaster finished flush with metal trim or other materials, cut a small straight V-joint in finish coat of plaster at the intersection.
 - 4) All finish work shall be free from blemishes and surface defects of any sort and shall have surfaces that are true planes and of uniform texture. All lines and arises shall be straight, plumb and level.

- f. Patching existing plaster as directed by Architect/Engineer and as required by field conditions.

STANDARD SPECIFICATION
JANUARY 2010

- 1) All portions of existing plaster which contains cracks, pits or voids shall be cut back to solid bearing.
 - 2) The Contractor shall apply a latex bonding agent such as Plaster Weld, or equal approved by the Architect/Engineer, to all existing plaster surfaces that are to receive or are adjacent to new plaster.
 - 3) Fill voids with plaster, as required, scrape, and sand to create a smooth, straight and level surface satisfactory to Architect/Engineer.
- g. New plaster containing cracks, blisters, etc. will not be acceptable. Such plaster shall be removed and replaced in accordance with these specifications.
- h. Protection: In addition to all other protection, protect all adjacent finished surfaces from the accidental application of plaster.
- i. Cleaning: In addition to the requirements under the "General conditions of all Contracts" upon the completion of the work of this Section promptly inspect all adjacent surfaces and remove all traces of spilled and splashed plaster.

9A.06 SAMPLES AND CERTIFICATIONS

- A. Samples of proposed materials shall be approved by Architect/Engineer.
- B. Submit manufacturer's installation instruction.

9A.07 GUARANTEES

- A. Guarantee all items of work furnished and installed under this Section for (1) one year, in addition to manufacturer's standard warranties. All guarantees to be from the date, when **Final Certificate of Occupancy** is issued from Department of Buildings.

END OF SECTION