

PLASTERING
(Plain & Ornamental)

APPLICATION OF GENERAL CONDITIONS:

All of the works described herein are subject to the foregoing General Conditions, these General Conditions becoming a part of this specification, and all work shall be carried on in accordance therewith.

WORK INCLUDED:

This contractor shall furnish all materials and labor necessary to complete the lathing and plastering on the interior of the entire building and exterior cement plastering of small areas and wall and ceiling of East and South entry under stairs and ceiling of loggias of building, all as shown on drawings or as herein specified.

In general, the work shall include all the labor and material necessary to complete all the plain and ornamental plastering, metal lathing and metal furring; include all steel angles, channels, rods, and wire necessary for the support or bracing of all metal lath or metal furring for hung ceilings, false beams, arches, cornices, columns, chase coverings, etc., all corner beads, metal grounds and the plastering of all exposed surfaces that are not otherwise shown or specified, throughout building.

The entire interior surfaces of all walls, partitions, beams, ceilings, etc., of all rooms, corridors, stairways, etc., of entire building, excepting only portions as hereinafter specified shall be plastered unless otherwise specified or shown.

Furr, lath and plaster around all plumbing and heating pipes or ducts, wherever same project partially out of ceiling or walls, or wherever shown or called for. Plastering in all cases where not specified or shown to be otherwise shall run to floor.

UNPLASTERED ROOMS OR PARTS:

Omit plaster on walls and ceiling of Fan room, Generator room, Storage room #49, Co-op. Storage #1, Soda Fountain #21, Wood lift, Storage #42 & 43 and 44. Omit plaster on ceiling of rooms #4-13-14-15-16, storages #2 & 35, Janitor #11, Elevator #33A, Storage #10 Entry to fan room #9, Janitor #57, Storage #105 & 115 and closet #130. Omit plaster on walls on walls of Ball room #18 and Concourse #19, and omit finish coat of ceiling between beams. Omit finish coat of ceiling of Cafeteria #27 and Entry #28

SCAFFOLDING:

This contractor shall furnish all scaffolding, staging of falsework for his work; and shall allow other contractors to use same without extra charge; provide, however, that any contractor so doing assumes all risk.

TEMPORARY HEAT:

If the heat supplied by others is not sufficient to dry the plaster, the plastering contractor must provide salamanders and heat when necessary.

PROTECTION FROM WEATHER:

The contractor for the general work will protect all exterior openings with cloth set on frames, but this will not relieve the plastering contractor of the responsibility of damage to his work or material caused by rain, wind, cold or heat. No plastering (interior or exterior) shall be done when in the opinion of the architect the weather is too cold or otherwise unsuitable for good work.

PROTECTION, CUTTING AND PATCHING:

This contractor shall protect all his work, especially exposed corners, angles and walls. He shall be held responsible for all damage done to his work by his own or other contractor's men, and shall make good all damage at his own expense.

After all other trades have completed their work, this contractor shall do all necessary patching, and leave the whole in perfect condition.

PROTECTION AND CLEANING OF OTHER WORK:

Plasterer must protect all stairs, windows, finished floors, wood trimmings, etc., with large drop cloths wherever patching is being done, as this contractor will be held strictly responsible for soiling or damaging of other work by plastering.

All stairs, cement floors and base, and exposed iron work, together with all roofing and coping, terra cotta work, glass, pipes, ducts, and all other work affected thereby, must be thoroughly cleaned of plastering as soon as last coat of plaster is on or where directed by the architect. If steel window frames or sash as set in place before plastering is done same shall be thoroughly protected with cloth during plastering so as not to smear same with mortar.

MIXING OF MORTAR OUTSIDE OF BUILDING:

All mixing and tempering of mortar must be done outside of building, and mortar must be deposited on special platforms, not dumped on the rough floors.

CLEANING AND WETTING OF SURFACES:

All masonry shall be thoroughly cleaned, and all walls, partitions, or ceilings, etc., shall be wetted by this contractor before plastering is applied. Also wet plastering whenever necessary to insure the best results.

TEXTURE PLASTER:

Texture plaster shall be California Stucco Products Co. or approved.

PATENT PLASTERING:

All interior plastering unless otherwise specified shall be patent plaster on metal lath or masonry.

CEMENT PLASTERING:

EXTERIOR: All surfaces of ceiling of area under South-West exterior stairs, the walls and ceiling of the Entry under South-East and East exterior stairs, the small exterior areas, and the ceiling of Loggias, shall be plastered with two coats of cement plaster as hereinafter specified.

INTERIOR: The following rooms shall have cement wainscot as follow; Kitchen #34 8'0" feet high Service room #30, Dish washing room #29 Preparation room #36 in all toilet rooms and dressing rooms and in all janitor rooms, 5'0" feet high. Stairs #54 #67 #135-136-227-228 shall have cement wainscot as shown.

All cement wainscots shall form a $1\frac{1}{2}$ " radius cove at floor and finish flush, to a metal ground at top where cement and other plaster intersect. Metal ground shall be set straight and true following contours of walls.

Shower room shall be plastered, walls and ceiling, with cement plaster. Finish, cement at floor same as specified for wainscot.

GROUND & CORNER BEADS:

All necessary wood grounds will be set by carpenter contractor, but this contractor shall furnish and set all metal grounds and corner beads. All protruding corners from floor up to ceiling and all window jambs and heads, throughout the building shall have corner beads.

This contractor shall verify all grounds to see that they are built perfectly true, straight, plumb and level before plastering is begun. This contractor will be held responsible for any imperfect plastering work on account of crookedness in the grounds.

METAL FURRING:

The sizes of steel furring, channels and rods, and manner of constructing same, shall be sufficient to carry the loads imposed, and be satisfactory to the architect.

All furring members to which the metal lath is attached shall be placed not more than 12" on centers. The members carrying the furring shall be not less than $\frac{3}{4}$ " channels spaced not over thirty (30) inches on centers, and shall be hung with #10 galvanized wire not over twenty-four (24) inches on centers.

METAL LATHING:

All plastered ceiling shall be plastered on metal lath suspended on metal furring as hereinbefore specified. Lath shall be securely wired to furring with #18 wire. Metal furring and metal lath shall be used around plumbing, heating or electrician pipes or ducts wherever same project partially out of ceiling or walls; to cover pipe chasses or in cornice, brackets, etc., or wherever shown or necessary.

Metal lath shall be used on wood stud partition, lath to be fastened to stud with staples spaced not over 6".

MATERIAL:

SAND:

Unless specified otherwise, all sand shall be clean, sharp river sand, free from loam, silt, driftwood or other impurities, and shall be mixed with the cement or mortar at the building. All sand shall be well graded from coarse to fine. Silt coated sand shall be rejected.

LIME:

All lime for plaster shall be Tiger or Sierra or approved. Lime shall be soaked enough in advance of use so as to give best result.

PATENT PLASTER:

All patent plaster shall be Arden, Imperial, Reno, Ideal, Apex, or such other wall plaster that will meet with architect's approval; and all plaster shall be free from lumps or other defects, and shall be mixed according to the manufacturer's specifications.

TEXTURE PLASTER:

Plastering of Corridors #55 & 60 and all caen stone finish shall be texture plaster as manufactured by the California Stucco Products Co. or approved.

PORTLAND CEMENT:

The Portland cement for cement plastering shall be Portland cement as specified under "Plain and Reinforced Concrete". Cement for all exterior plastering shall be light colored cement, and cement for the different coats on one piece of work shall be of the same brand.

METAL LATH:

All metal lath for suspended ceiling shall be dipped Hy-rib metal lath, $3\frac{1}{2}$ # per yard. All other metal lath shall be dipped $3\frac{1}{2}$ # per yard. Submit samples of lath for architect's approval.

METAL FURRING:

All channels shall be cold rolled $3/4$ " or 1" as shown or specified.

METAL GROUNDS AND CORNER BEADS:

Metal grounds and metal corner beads shall be full galv. iron, not thinner than #26 gauge, and of pattern approved by the architect.

WATER:

All water used in mixing plaster shall be clean and free from impurities.

COATS AND FINISH:

PATENT PLASTERING: All patent plastered surfaces on masonry or metal lath, shall be what is known as three-coat work. Scratch coat shall be well fibered and apply with sufficient pressure to thoroughly embed the metal lath. Brown coat shall be carefull and evenly applied using the darby and handfloating in the very best manner. When not otherwise specified the brown coat is to receive a good coat of hard finish mixed with sand in the very best manner, perfect in every respect, flush with plaster grounds, true, plumb, and out of wind, with a fine or smooth sand finish, using carpet float, all to the satisfaction of the architect. Sand for finish coat should be washed through a #20 sieve. All angles shall be straight, clean and sharp, and all walls straight and true.

The finish coat in Kitchen above cement wainscot and including the ceiling shall be a hard smooth putty finish apply in the very best manner.

The service room #30, preparation room #36, Dish washing room #29 all toilet rooms and dressing rooms, shall be finished like kitchen. The Memorial Entry, Concourse, Lounge room Boy's room, Girl's room, Men Faculty, Women Faculty or wherever shown, shall be finished in imitation of Caen stone.

The finish coat for caen Stone finish shall be applied strictly according to manufacturer specifications. Finish shall be divided in blocks all as shown or directed, all lines shall be true and straight, all blocks square or of contours as shown and all work executed in most careful manner all to the satisfaction of the Architect.

ORNAMENTAL PLASTER:

Ornamental plaster shall be finished with same material that the finish in the room where they occur. All straight moulding shall be run in place and all lines shall be straight, contours true, and edges sharp. Ornamental bracket shall be cast and securely stuck in place with all necessary metal anchors.

All modeling shall be executed by the best and most artistic architectural modelers who may be selected by the Architect at his option and all work shall be strictly according to plans, full size detail and instruction from the Architect.

This contractor shall make changes in models, or make new models, changing and rechanging them until they are satisfactory to the architect in every respect. Models shall be submitted in place should the architect decide it to be necessary for the proper inspection of same. All models must be executed in Portland, to admit of inspection, changing, altering, etc., until acceptable to the Architect.

Mouldings and ornamental work to have hard, glossy finish when not otherwise directed.

INTERIOR CEMENT PLASTERING:

All interior cement plastering shall be three coats of cement plaster. In no place shall the last two coats be less than $3/8$ " thick. The first coat of the interior cement plaster shall be mixed as follows: One part Portland Cement to two parts of coarse sand, and hydrated lime equivalent to ten per cent of the weight of the cement. The sand, cement and hydrated lime shall be mixed together dry. Water shall then be added, being careful not to add too much water at a time and not to get the resulting. Add at least $1\frac{1}{2}$ # of hair fiber per sack of cement when mortar is applied on metal lath. The finish coat of interior cement plaster shall be the same as the first coat, except that the sand shall be such as may be washed through a #20 sieve, and the finishing coat shall be brought to a smooth surface. The preparation of the wall, the method of applying, the workmanship and the finish shall be the same as for the interior patent plastering.

EXTERIOR PORTLAND CEMENT PLASTERING:

All exterior portland cement plastering on walls, ceiling, etc., or wherever shown or specified, shall be two coats of Portland cement plaster not less than $\frac{1}{2}$ " thick and applied as follows:

Concrete walls or surfaces to be plastered shall be cleaned of old scale, "laitance", etc., by means of wire brushes, and washed down with muriatic acid, water and scrubbing brushes. Where concrete surface is smooth, roughen with bush hammer before cleaning down.

The first coat of exterior cement plaster shall be mixed as follows; One part Portland cement to two parts of coarse sand. Add Meduso Integral water Proofing according to manufacturer's specifications. The sand, cement and Integral Water Proofing shall be thoroughly mixed together dry. Water should then be added, being careful not to add too much water at a time and not to get the resulting mortar too wet so that more sand or cement has to be added.

The first coat shall be carefully and evenly applied, all floated and rodded and scratched in the very best manner so as to obtain true and plumb surfaces, free from wind and with edges straight and true. In case of crooked surface where first coat would need to be more than $\frac{1}{2}$ " thick, same shall be applied in two or more operations, allowing time for mortar to set before following coat is applied. Before first coat is applied to concrete surfaces, same shall be thoroughly wetted and then covered with a thick coat of neat cement grout, and after this has partially set, first coat of plaster shall be applied.

The last or finish coat of cement plaster shall be mixed as follows:

One part Meduso White cement or equal and two parts of white sand. Add integral water proofing as specified or of an approved brand and in accordance with manufacturer's specifications. This coat shall be mixed in the same manner as specified for the first coat. The finish coat shall be a fine sand finish. Contractor shall submit a sample of the different finishes for architect's approval, before proceeding with work.

Care must be taken to cover the entire surface with an even coat, and left so that there will be no unevenness of color or texture. All panels in ceiling of Loggias shall be true to plans and details.

As soon as exterior cement plaster is hard enough to stand watering, this contractor shall spray sand if needed, and protect same from the sun while applying, and until cement is set, by hanging cloths over it, if necessary.

MEASURING INGREDIENTS:

All ingredients entering into the finish coat of exterior cement plaster shall be accurately measured, and thoroughly mixed, so as to obtain a dense mixture, and uniform color and surface texture.

CLEANING DOWN:

After the whole is completed, scrub all exterior and interior cement plaster with water, and thoroughly clean all surfaces. If necessary, add a little muriatic acid to the water.

GENERAL:

This contractor is to include any and all plain and ornamental plastering throughout the building unless specifically mentioned otherwise, and any and all details and parts not shown or mentioned but clearly necessary to make the work complete and finished according to plans specifications and full size details shall be furnished and performed by this contractor with the same character of materials and in the same manner as the rest of the work.

The intent is to have all work under this contract performed in the very best manner to insure a first class job in every respect. Any and all Mechanics employed on this work shall be of the best and no negligence or carelessness that would be detrimental to the quality of the work shall be tolerated.