

ADHERED MASONRY VENEER

NOTES TO THE SPECIFIER

PART I - GENERAL

1.1 DESCRIPTION

A. Work included: Provide adhered masonry veneer where shown on the Drawings, as specified herein, and as needed for a complete and proper installation.

B. Related work:

1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and Sections in Division 1 of these Specifications.
2. Section 09200: Plaster undercoats
3. Section 06100: Rough Carpentry, Framing.

1.2 QUALITY ASSURANCE

A. Use adequate numbers of skilled masonry workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.

B. Use a qualified masonry contractor experienced in installation of similar products, as approved by the Architect.

1.3 SUBMITTALS

A. Comply with pertinent provisions of Section 01340.

B. Within 35 calendar days after the Contractor has received the Owner's Notice to Proceed, submit qualifications of the proposed masonry subcontractor for review by the Architect.

C. Mock-ups:

1. Prior to other work of this Section, prepare a sample panel of the work of this Section at a location on the site where approved by the Architect.
2. Provide one mock-up panel for each combination of brick pattern, bond pattern, and mortar color.
3. Make each mock-up panel approximately 3'-0" x 4'-0".
4. Show method of bedding, pointing, bond pattern, cleaning, and other aspects of the work of this Section to the quality specified.
5. Make necessary adjustments in the mock-up panels and secure the Architect's approval.
6. The mock-up panels, when approved by the Architect, will be used as datum points for comparison with the remainder of the work of this Section for the purpose of acceptance or rejection.

Use your standard phrasing for these Paragraphs.

Plaster undercoats may be part of "lath and plaster" or part of this Section.

For wood stud framing, corner studs shall be securely nailed with additional 16d nails 12" o.c. spaced vertically, to prevent the end 2x4 stud from warping or bowing out.

Satisfactory installation depends to a major extent upon skill and experience of the workmen.

Coordinate submittal requirements with your standard procedures.

Mock-ups, once they have been approved, are a good way to assure that workmen know what you expect them to provide.

GUIDELINE SPECIFICATION FOR ADHERED MASONRY VENEER

1.4 PRODUCT HANDLING

A. Comply with pertinent provisions of Section 01640.

B. Store the materials of this section off ground, and cover to protect from elements and adulterants.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Veneer brick:

1. Provide units ____" wide by ____" long by ____" thick, in " _____" face texture and " _____" color, complete with matching 90° corner units, as manufactured by _____ telephone (_____) _____.
2. Provide all units with straight cut edges and square corners.
3. Do not permit veneer brick units to vary more than 1/8" in any dimension from those specified.

B. Mortar:

1. Portland cement: Comply with ASTM C150, type I or II.
2. Sand: Comply with ASTM C144, or provide from 30 to 60 mesh dried and bagged sand approved in advance by the Architect.
3. Provide water that is fit for human consumption and is free from impurities which would be injurious to the construction.
4. Lime:
 - a. Provide hydrated lime complying with ASTM C207.
5. Thin set mortar, if used: Provide a commercial grade mortar specifically formulated for the purpose and composed of latex mixed with portland cement, or provide such other thin set mortar as is specifically approved in advance by the Architect.
6. For pointing mortar, provide a mix of one part portland cement and 1/4 to 1/2 part lime to three parts sand by volume.

2.2 WATER REPELLENT COATING

A. Provide _____ water repellent coating manufactured by _____ telephone (_____) _____.

2.3 OTHER MATERIALS

A. Provide other materials, not specifically described but required for a complete and proper installation, as selected by the Contractor subject to the approval of the Architect.

Use your standard phrasing for this Paragraph.

A number of different thicknesses and face sizes are manufactured. Verify that the color, texture and dimensions you select are available from the manufacturer you name.

Corner units often are manufactured in different dimensions to provide the proper masonry bond pattern (1/2 bond, 1/3 bond, 1/4 bond).

Commercially prepared latex mortars and epoxy mortars are available. Consult their manufacturers for detailed information and help in selection.

Pointing mortar, if not incorporated with the setting process, should be specified and should state color desired.

Including the water repellent coating in this Section simplifies the responsibilities for maintaining the integrity of the water repellency.

PART 3 - EXECUTION

3.1 SURFACE CONDITIONS

A. Examine the areas and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper completion of the work. Do not proceed until unsatisfactory conditions are corrected.

B. Verify that veneer brick units available for installation comply with the specified requirements and are whole, unchipped, and without visible defects.

3.2 INSTALLATION

A. Thoroughly clean the substrata free from debris, dust, and finishes which will not bond with the mortar.

1. Remove sealers, bondbreakers, and other applied finishes by use of light sandblast or other means approved by Architect.
2. Provide substrata with the ability to receive and bond with the mortar.

B. Setting bed:

1. Spread the approved mortar over the surface by use of a notched trowel, achieving a uniform setting bed of 1/8" minimum thickness.
2. As an alternative, when specifically approved in advance for designated surfaces by the Architect, mortar may be applied as a full covering on the back of brick veneer units.

C. After mortar has been applied, slide the veneer brick units into place and press firmly.

1. Achieve full contact with the fresh mortar and allow full bedding.
2. Occasionally, lift and remove a brick to verify that full bedding has been achieved.
3. Permit mortar to set up fully prior to start of the grout installation.
4. Take special care not to break the initial bond between brick and mortar.
5. Place brick veneer units true and level.
6. Lay out each wall or panel in a manner to minimize cutting of brick veneer units.
7. Provide mortar joints ____" wide in each direction.

D. Joint pattern:

1. Unless otherwise called for on the Drawings, set all brick veneer units in 1/2 bond.
2. Unless otherwise called for on the Drawings, tool all mortar joints to a slight concave.

E. Cleaning:

1. Promptly clean the brick veneer units as the work progresses, minimizing the need for final cleaning.
Remove all cement stains and all mortar stains from the face of the brick veneer units.
3. If other methods of cleaning do not produce a uniformly clean surface to the approval of the Architect, provide light sandblasting at no additional cost to the Owner.

3.3 SEALING

A. Upon completion of the cleaning operations, and their approval by the Architect, apply one coat of the specified water repellent coating in strict accordance with the manufacturer's installation recommendations as approved by the Architect.

Use your standard phrasing for this Paragraph.

Proper bond depends upon having suitable substrata.

A combination of both methods 1 and 2 may be used.

State here mortar joint desired.

State here the bond pattern you desire. Concave joint tooling gives best weathering.

Masonry craftsmen will keep the finished surfaces clean as work progresses. Insist upon a high level of cleanliness; it may be hard to clean up after it dries. Acid cleaning may discolor some bricks.

END OF SECTION

This Guide Specifications was prepared by the Masonry Industry in cooperation with Hans W. Meier, FCSI.