

SECTION 04 21 13
THIN BRICK VENEER UNITS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Thin brick veneer.

1.2 RELATED SECTIONS

- A. Section 06 16 63 - Cementitious Sheathing.

1.3 REFERENCES

- A. ASTM C 67 - Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile.
- B. ASTM C 1088 - Standard Specification for Thin Veneer Brick Units Made From Clay or Shale.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's catalog data, detail sheets, and printed installation instructions.
- C. Selection Samples: For each product requiring color/texture selection, provide full size samples for final selection.
- D. Verification Samples: For each product, color, and texture selected, provide two full-size units representing actual color and texture of products to be installed.

1.5 SAMPLE PANELS

- A. Construct sample panel at location indicated or directed, and as follows:
 - 1. Size: 4 feet by 4 feet (1.2 m by 1.2 m).
 - 2. Include all unit types and sizes to be used, and mortar joint treatment.
- B. Obtain architect's acceptance of sample panel before beginning construction activities of this section.
- C. Do not remove sample panel until construction activities of this section have been accepted by architect.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products of this section on pallets, with individual faces protected; keep dry.
- B. Store units in protected area or under cover on level ground; keep dry. Do not double-stack pallets.

1.7 QUALITY ASSURANCE

- A. Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project for a minimum of 5 years .
- B. Mock-Ups: Install at project site a job mock-up using acceptable products and manufacturer approved installation methods. Obtain Owner's and Architect's acceptance of finish color, texture and pattern and workmanship standard(s).

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Provide all thin brick from a single manufacturer.

2.2 MATERIALS

- A. Thin Brick: ASTM C 1088, Type TBX, tested in accordance with ASTM C 67.
 - 1. Size: 2-1/4 inches (57.2 mm) high, 7-5/8 inches (193.7 mm) long, 1/2 inch
 - 2. Texture: Match existing.
 - 3. Color: Match existing
- B. Trim Units: Matching thin brick.

2.3 MATERIALS

- A. Masonry Cement: ASTM C91, Type N.
- B. Aggregate: Manufactured or natural sand, ASTM C897.
- C. Water: Potable.

2.4 MIXES

- A. Mortar Mix: 1 part masonry cement to 2 1/2 - 3 parts aggregate per ASTM C39 and ANSI A118.4 (modified) .

PART 3 EXECUTION

3.1 EXAMINATION

- A. Inspect related conditions; do not start work in an area until adverse conditions in that area are corrected.

3.2 PREPARATION

- A. Test surfaces for straightness, levelness. Notify architect where corrections are needed.

3.3 INSTALLATION

- A. Install thin brick in accordance with manufacturer's printed

instructions.

- B. Cut units where required for fitting or for installation of built-in items, using power tools; do not install units having chipped or cracked edges on sight-exposed surfaces.
- C. Align base courses to follow accurate floor lines.
- D. Align faces plumb, level, and true, with uniform joint widths.
- E. Size and portion units for best appearance, with joints arranged neat and symmetrical, free of imperfections detracting from overall appearance.

3.4 FIELD QUALITY CONTROL

- A. Architect will observe appearance of installed units; installed masonry surfaces shall be free of imperfections which detract from overall appearance when viewed from a distance of 5 feet (1.5 m) at 90 degrees normal to surface.

3.5 CLEANING

- A. Clean installed masonry surfaces in accordance with manufacturer's instructions; do not clean units with products not specified in manufacturer's instructions.

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