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DESCRIPTION OF DOCUMENT: (previous section title, number and date)
Brick Flooring, 09 63 13 (date: 10-07)

CHANGES MADE:
Updated publication dates for standards listed in Article 1.6 Applicable Publications:

1.) ASTM C150-09

2.) ASTM C270-10

3.) ASTM C902-10

The updated standards have only editorial changes that do not impact the technical specifications content!
PART 1 - GENERAL

1.1 DESCRIPTION

The requirements for interior brick flooring, set in mortar on a rigid base are covered in this section.

1.2 RELATED WORK

A. Concrete Subfloors: Section 03 30 00, CAST-IN-PLACE CONCRETE
B. Color and texture of // grout // mortar // brick //: Section 09 06 00, SCHEDULE FOR FINISHES
C. See drawings for the paving pattern.

1.3 ALLOWABLE TOLERANCES

A. Floor surface true to plane within 1 in 1000 (1/8-inch in 10 feet) not cumulative.
B. Joint width deviation not greater than 10 percent of dimension shown.

1.4 SUBMITTAL

A. In accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA AND SAMPLES furnish the following:
B. Samples:
   Five individual samples of brick showing extreme variations in color and texture.
C. Shop Drawings:
   Special-brick shapes.

1.5 PRODUCT DELIVERY, STORAGE AND HANDLING

A. Deliver masonry materials in original sealed containers marked with name of manufacturer and identification of contents.
B. Store masonry materials under waterproof covers on planking clear of ground, and protect from handling damage, dirt stain, water and wind.

1.6 APPLICABLE PUBLICATIONS

A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
B. American Society for Testing and Materials (ASTM):
   C144-04 ................. Aggregate for Masonry Mortar
   C150-09 ................. Portland Cement
   C270-10 ................. Mortar for Unit Masonry
   C902-10 ................. Pedestrian and Light Traffic Paving Brick
PART 2 - PRODUCTS

2.1 MATERIALS
   A. Paving Brick: ASTM C902; Class SX, Type I.
   C. Coloring Pigments: Pure mineral pigments, lime proof and non-fading;
      added to // grout // mortar // by the manufacturer. Job colored // grout
      // and mortar // is not acceptable.

2.2 MORTAR
   ASTM C270, Type S. No admixtures permitted. Type N lime is not
   permitted.

2.3 GROUT
   One part portland cement and three parts sand by volume. Mix with enough
   water for flowability.

PART 3 - EXECUTION

3.1 APPLICABLE
   A. General: Do not use bricks with chips, cracks, discoloration or other
      visible defects.
   B. Installation with Portland Cement Grout:
      1. Spread and screed mortar setting bed mixture 13 mm to 25 mm (1/2-inch
         to 1-inch) in thickness true to plane.
      2. Limit setting bed to minimum amount which can be covered with brick
         before initial set.
      3. Apply 1 mm (1/32-inch) layer of neat cement paste over setting bed.
         Set and level each brick immediately. Tamp brick to completely
         contact setting bed.
      4. Grout joints as soon as initial set is achieved. Place grout in
         joints, strike flush and tool slightly concave.
      5. Cure grout by maintaining in a damp condition for seven days.
   C. Installation with Portland Cement Mortar:
      1. Install brick in full bed joint. Remove excess mortar. Strike
         joints flush with top surface of brick and tool slightly concave.
      2. Cure mortar by maintaining in a damp condition for seven days.

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