

**SECTION 32 14 16
MASONRY UNIT PAVING**

PART 1 - GENERAL

1.1 DESCRIPTION

The requirements for concrete pavers, with sanded joints on a compacted gravel base, are specified in this section.

1.2 RELATED WORK

A. See drawings for the paving pattern.

1.3 SUBMITTALS

A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

B. Samples:

1. Three individual samples of concrete pavers showing extreme variations in color and texture.

2. Perimeter edge containment system, 2'-0" piece, one spike.

C. Test Samples: Five random pavers taken from the work site by the Resident Engineer for testing, to verify brick meets ASTM C67 freeze thaw tests specified.

1.4 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.

1.5 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):

ASTM C1319 - 14 Standard Specification for Concrete Grid Paving Units
C150-07

ASTM C936 / C936M - 16 Standard Specification for Solid Concrete
Interlocking Paving Units

PART 2 - PRODUCTS

2.1 MATERIALS

A. Concrete Pavers:

1. Size: 8" x 8" x 3-1/8" high

2. Color: natural gray

3. Basis of design: Mutual Materials 'Eco-Priora' or equal.

- 4. Layout Pattern: running bond
- B. Sand: ASTM C144.
- C. Portland Cement: ASTM C150.
- D. Perimeter edge stops: heavy duty 'L' shaped fiberglass or ABS plastic strips abutting the edges of the masonry pavers with 60d galvanized spikes at 1'-0" o.c.

PART 3 - EXECUTION

3.1 INSPECTION

Ensure that substrate is without voids or projections that would interfere with installation of brick paving.

3.2 ALLOWABLE TOLERANCES

- A. Paved surface true to plane within 3 mm (1/8 inch) in 3 m (10 feet) not cumulative.
- B. Joint width deviation not greater than 10 percent of dimension shown.

3.3 APPLICATION

- A. General: Do not use units with chips, cracks, discoloration, or other visible defects.
- B. Installation with sand joints:
 - 1. Install pavers on 4" compacted ¾"- crushed rock base. Sand set joints with mason's sand.
- C. Provide full perimeter edge stops where not abutting a structure or wall.

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