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## DIVISION 1300

**BRICK AND CONCRETE MASONRY UNITS**

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1301 - MASONRY BRICK

SECTION 1301

MASONRY BRICK

1301.1 DESCRIPTION
This specification covers requirements for masonry brick for various types of construction. Supply masonry brick made from clay, shale, or a mixture of aggregates, water and portland cement.

1301.2 REQUIREMENTS

   a. Building Brick.  ASTM C 62 defines the requirements for this type of brick, except “Maximum Water Absorption by Five-hour Boiling” and “Maximum Saturation Coefficient” does not apply. Provide grade MW masonry brick unless specified otherwise in the Contract Documents.

   b. Sewer and Manhole Brick.  ASTM C 32 defines the requirements for this type of brick. Provide either Grade MM or MS bricks.

   c. Concrete Building Brick.  ASTM C 55 defines the requirements for this type of brick, except “Water Absorption” and “Moisture Content” does not apply. Provide Grade S-II concrete building brick unless specified otherwise in the Contract Documents.

   d. ADA Compliant Paving Brick.  ASTM C 902 defines the requirements for this type of brick. Provide a brick that complies with Class SX, Type I, and Application PS requirements.

1301.3 METHODS OF TEST
Test masonry bricks by the procedures in the ASTM standards cited with each brick type. Note the exceptions taken by the Department.

1301.4 PREQUALIFICATION
None required.

1301.5 BASIS OF ACCEPTANCE
Acceptance of Sewer and Manhole Brick, and Concrete Building Brick will be based on satisfactory results of tests conducted on samples submitted to the Engineer of Tests.

Acceptance of ADA Compliant Paving Brick will be based on receiving a Type A certification and satisfactory results of tests conducted on samples submitted to the Engineer of Tests.
1302 - CONCRETE MASONRY UNITS

SECTION 1302
CONCRETE MASONRY UNITS

1302.1 DESCRIPTION
This specification covers solid, concrete masonry units for manholes, catch basins and similar items.

1302.2 REQUIREMENTS
Provide masonry units that comply with ASTM C 139.

1302.3 TEST METHODS
Test masonry units in accordance with the methods in ASTM C 139.

1302.4 PREQUALIFICATION
None Required.

1302.5 BASIS OF ACCEPTANCE
Acceptance of concrete masonry units will be based on satisfactory results of tests conducted on samples submitted to the Engineer of Tests.
1303 – HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS

SECTION 1303

HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS

1303.1 DESCRIPTION
This specification covers hollow load-bearing concrete masonry units made from portland cement, water, and suitable mineral aggregates with or without the inclusion of other materials.

1303.2 REQUIREMENTS
Provide normal weight, masonry units that comply with ASTM C 90 unless otherwise designated in the Contract Documents.

1303.3 METHODS OF TEST
Use the methods specified in ASTM C 90.

1303.4 PREQUALIFICATION
None Required.

1303.5 BASIS OF ACCEPTANCE
Acceptance of hollow load-bearing concrete masonry units will be based on satisfactory results of tests conducted on samples submitted to the Engineer of Tests.
1304 – SOLID INTERLOCKING PAVING UNITS

SECTION 1304
SOLID INTERLOCKING PAVING UNITS

1304.1 DESCRIPTION
This specification solid interlocking paving units (paving bricks) made from portland cement, water, and suitable mineral aggregates with or without the inclusion of other materials.

1304.2 REQUIREMENTS
Provide materials that comply with the applicable requirements.
Fine Aggregate FA-A...............................................................................................DIVISION 1100
Concrete and Mortar..............................................................................................DIVISION 400

Provide paving brick that complies with ASTM C 936 in the styles, dimensions and colors shown in the Contract Documents.
If specified, provide commercially available edging for edge restraints of the type and dimensions shown in the Contract Documents.

1304.3 METHODS OF TEST
Use the methods specified in ASTM C 936.

1304.4 PREQUALIFICATION
None Required.

1304.5 BASIS OF ACCEPTANCE
Receipt and approval of a Type D certification as specified in DIVISION 2600.