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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**.