

SECTION 04230

**Part I
QUALITY ASSURANCE**

Brick Tests

1. All tests shall be in accordance with ASTM C-67 latest edition

Submittals

1. Test reports shall include:
 - a. Compressive strength
 - b. 24-hour cold water absorption.
 - c. 5-hour boil absorption
 - d. Saturation Coefficient
 - e. Initial Rate of Absorption (I.R.A.)
 - f. Weather classification
2. Certificate of conformance shall state that brick meets or exceeds applicable ASTM specifications indicated herein.

Sample Panels

1. Sample panel size shall be 4'x4' showing the proposed color range, texture, bond, mortar, workmanship, cleaning, and water repellents where applicable

**Part II
PRODUCTS**

Facing Bricks

1. All brick shown on contract documents shall be *color, texture* as manufactured by **General Shale Products, Corporation, PO Box 3547, CRS, 3211 N. Roan St., Johnson City, TN 37602-3547.**
2. ASTM C-216 latest edition, Grade SW, Type FBS or ASTM C652 latest edition, Grade SW, Type HBS, Class H40V.
3. Dimensions $3\frac{1}{2}'' \times 2\frac{1}{4}'' \times 7\frac{5}{8}''$ (W x H x L)

Shapes

1. Where special shapes are shown on architectural drawings, manufacturer shall provide shop drawings for architect's approval prior to manufacturing shapes

Mortar

Mortar shall be type consisting by proportion:
 - **part Portland cement** (ASTM C-150 Type I or II).
 - **part hydrated lime** (ASTM C-207)
 - **parts sand** (ASTM C-144)

Grout

Grout shall conform to ASTM C-476 for fine grout mix. Slump shall be 10"

1 - part Portland cement (ASTM C-150, Type I or II).
2 1/4 to 3 parts sand (ASTM C-404)

**Part III
EXECUTION**

Bond

Bond shall be running bond unless otherwise shown on contract documents.

Jointing

Mortar joints shall be concave and struck with a smooth steel tool.

Construction

All construction strictly adheres to (ACI 530)

Cleaning

Cleaning shall conform to Technical Bulletin 4: Section 4200, Brick Cleaning Recommendations and to BIA Technical Note #20-R. Contact manufacturer for recommendations.

Water Repellent & Coatings

Where water repellents are specified consult Technical Bulletin 1: Section 1700, Water Repellent Coatings.