



June 12, 2015

Florida Silica Sand Company
Attn: Fernando Vasquez

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Job: Sewer Brick

GENERAL SHALE BRICK

The brick shown below manufactured by General Shale Brick, Inc., main office located in Johnson City, Tennessee, comply with the physical requirements for;

Grade SM Sewer Brick

Requirements:

Minimum Compressive Strength
Maximum 5-Hour Boiling Absorption Average

Grade SM

5,000 P.S.I.
12%

Grade MS and MM Manhole Brick

Requirements:

Minimum Compressive Strength
Maximum 5-Hour Boiling Absorption Average

Grade MS

3,000 P.S.I.
17%

Grade MM

2,500 P.S.I.
22%

Under ASTM C32 (Latest Revision) Specifications for Sewer and Manhole Brick, and AASHTO M91-70 Specifications for Sewer and Manhole Brick.

These Brick also comply with permissible variation of dimension criteria of the above specifications. Brick must not exceed more than 25% void area.

Type Brick: **Modular Full Range Wire Cut**
Modular Full Range Wire Cut Solids

Manufacturing Plant: **Moncure**

General Shale Brick, Inc.
300 Brick Plant Rd
Moncure, NC 27559



Jim Bryja P.E., S.E. - Manager of Engineering Services