TESTING DATA

This report is a summary of the results following the testing of samples of stone veneer, brick, and tile produced by Boulder Creek. The testing organization was the American Engineering Testing, Inc. Copies of these test are available for your files from Boulder Creek Stone and Brick Company.

**Stone**

**Absorption:**
A 24-hour immersion test using ASTM C140 as a standard was conducted. Absorption = 10.3%

**Compressive Strength:**
As a testing standard, ASTM C67 was used. Total Load = 153,300 lbs P.S.I. = 5,410

R Value
R = 0.865

**Floor Tile**

**Absorption:**
A 24-hour immersion test using ASTM C140 as a standard was conducted. Absorption = 6.1%

**Compressive Strength:**
As a testing standard, ASTM C67 was used. Total Load = 132,000 lbs P.S.I. = 4,570

**Brick**

**Absorption:**
A 24-hour immersion test using ASTM C140 as a standard was conducted. Absorption = 5.4%

**Compressive Strength:**
As a testing standard, ASTM C67 was used. Total Load = 150,000 lbs P.S.I. = 5,300
UL CLASSIFICATION

Boulder Creek stone, thin brick, and floor tile are USA UL classified, as well as Canadian UL listed and show zero flame spread and zero smoke development.

UL CLASSIFIED
MINERAL COMPOSITION UNITS
SURFACE BURNING CHARACTERISTICS
89TN
Flame Spread 0
Smoke Developed 0

LISTED CAN/ULC-S102.
MINERAL COMPOSITION UNITS
SURFACE BURNING CHARACTERISTICS
89TN
Flame Spread 0
Smoke Developed 0
ICBO TESTING

The following are excerpts from a test report generated by:

Stork, Twin City Testing Corporation
662 Cromwell Avenue
St. Paul, MN 55114-1776
651-645-3601  651-659-7348 Fax

Dated January 29, 2001 and signed by:

Thaddeau Harnois  John D. Lee, P.E.
Staff Engineer   Senior Staff Engineer

Project No. 030421

This report presents the results of our laboratory testing of stone veneer manufactured by Boulder Creek Stone Company. The scope of our testing was to perform laboratory testing of stone veneer according to ICBO Acceptance Criteria for Precast Stone Veneer (AC51).

Summary of Test Results

<table>
<thead>
<tr>
<th>Test</th>
<th>Stone Veneer</th>
<th>ICBO AC51</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density, pcf</td>
<td>90.04</td>
<td>n/a</td>
</tr>
<tr>
<td>Freeze/Thaw, %</td>
<td>0.9 (Loss)</td>
<td>3 max.</td>
</tr>
<tr>
<td>Compressive Strength, psi</td>
<td>5,500</td>
<td>1,800</td>
</tr>
<tr>
<td>Flexural Strength, psi</td>
<td>660</td>
<td>n/a</td>
</tr>
<tr>
<td>Tensile Strength, psi</td>
<td>319.9</td>
<td>n/a</td>
</tr>
<tr>
<td>Shear Bond with Scratch Coat, psi</td>
<td>55.3</td>
<td>50</td>
</tr>
<tr>
<td>Conductivity, Btu¨in/(h¨ft²¨°F)</td>
<td>1.987</td>
<td>n/a</td>
</tr>
<tr>
<td>Conductance, Btu/(h¨ft²¨°F)</td>
<td>1.159</td>
<td>n/a</td>
</tr>
<tr>
<td>Resistively, °F¨ft²¨h/Btu/in</td>
<td>0.505</td>
<td>n/a</td>
</tr>
<tr>
<td>Resistance, °F¨ft²¨h/Btu</td>
<td>0.865</td>
<td>n/a</td>
</tr>
<tr>
<td>Flame Spread Index</td>
<td>0</td>
<td>n/a</td>
</tr>
</tbody>
</table>

Conclusion
Based on these test results, the tested precast stone veneer meets the requirements of ICBO AC51.