# T.S.I. LABORATORIES, INC.

TRINITY SOIL INVESTIGATIONS
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**Tested For:** Innovative Block of South Texas **Project:** 12" Half Block
Lt. Wt. Mix Design
Part #8251XXXX
Mft. Date: 11-20-07

**Lab #:** 0208-19-3

REMARKS: On 02/07/08 (6) Concrete Masonry Units were tested. The units sampled were 1cell 12" x 8" x 8" nominal. In accordance with ASTM C-140 test procedures. Three units were tested for compressive strength and three units were retained for additional testing if requested. The results are as follows:

| Block I.D. | Load (lbs) | Net Area (in2) | Compressive Strength (PSI) | Absorption (%) | Absorption (lbs – ft3) |
|---|---|---|---|---|---|
| A | 95,920 | 49.23 | 1,948 | ------- | ------- |
| B | 88,420 | 49.23 | 1,796 | ------- | ------- |
| C | 97,780 | 49.23 | 1,986 | ------- | ------- |
| D | ------- | ------- | ------ | 12.62 | 11.89 |
| E | ------- | ------- | ------ | 10.33 | 9.56 |
| F | ------- | ------- | ------ | 9.46 | 9.13 |
| Average of three (3): | | | 1,910 | | 10.19 |

**ASTM C-90 Requirements**

Individual ..... 1700 Minimum
Average of (3) ..... 1900 Minimum 13.0 maximum

**Remarks:** The Concrete Masonry Units sampled **did or did not** meet the compressive requirements strength.

STATE OF TEXAS
VICTOR HUGO GARCIA
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LICENSED
PROFESSIONAL ENGINEER

T. S. I. Laboratories, Inc.

P.E. 03-03-08

Victor H. Garcia, P.E.