**Project No:** A25153.00138.000
**ReportNo.:** 390677-1 CT 082625
**WorkorderNo.:** 390677
**Lab No.:** 25B902-C
**Date 1st Issue:** September 03, 2025

**607 Northwest Commodity Cove, Port St. Lucie, FL 34986 - P: 772-924-3575 - F: 772-924-3580**

# Compressive Strength of 4" x 8" Cylinder Test Specimens (ASTM C-39)

**Client** Amboy Builders LLC
386 S Atlantic Avenue Suite 1125, Ormond Beach, FL 32176

**Project** Lakefront Estates - CMT and BD
East SR 78, Okeechobee, Okeechobee County, FL

**Structural Element:** Slab on Grade **Sample Location:** Lots 473 & 474 Slabs - Sampled at Center Footing NE Corner

**Set#**1 of 2 | **Sample From:** Concrete Truck | **Sample By:** Jacob Perry On 08/26/2025 | **At Lab On or Before:** 08/28/2025

| General Information | Specified Strength / Sampling Times | Placement Information |
|---|---|---|
| **General Contractor:** CSCI, LLC | **Specified Strength:** 4000 psi @ 28 days | **Truck Load:** 10.00 cu yds. |
| **Subcontractor:** | **Mix Design Strength:** 4000 psi @ 28 days | **Cumulative Quantity:** 10.00 cu yds. |
| **Supplier:** Cemex | **Water Added at Site:** N/A | **Total Placement for the Day:** 65.00 cu yds. |
| **Truck No.:** 69655 | **Time Batched:** 4:33 AM | |
| **Ticket No.:** 56317516 | **Time Sampled:** 6:30 AM | |
| **Mix Design:** 1512542 **Admixture:** N/A | **Weather Condition:** Partly Cloudy | |

## Field Test Results

| **Air Content:** N/A | **Slump:** 5.00 inches | **Ambient Temp:** 79 ºF | **Concrete Temp:** 90 ºF | **Unit Weight: N/A** |
|---|---|---|---|---|

### Results of Laboratory Testing

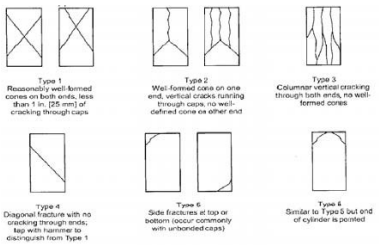
| Test Results | Date Tested | Age Days | Type Of Fracture | Actual Dimen.1 (in) | Actual Dimen.2 (in) | Avg. Dimen. (in) | Test X-Sect. Area (in²) | Max Compressive Load (lbs) | Test Compressive Strength(psi) | Average (psi) | Lab Tech *** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1*G* | 09/02/2025 | 7 | 5 | 3.99 | 4.00 | 4.00 | 12.57 | 45,043 | 3,580 | - | JVW |
| 2*G* | 09/23/2025 | 28 | 6 | 4.00 | 3.98 | 3.99 | 12.50 | 68,852 | 5,507 | - | ALE |
| 3*G* | 09/23/2025 | 28 | 6 | 4.00 | 4.00 | 4.00 | 12.57 | 66,605 | 5,300 | - | ALE |
| 4*G* | 09/23/2025 | 28 | 5 | 3.99 | 3.99 | 3.99 | 12.50 | 66,199 | 5,294 | 5,370 | ALE |
| 5*H* | 09/23/2025 | 28 | - | - | - | - | - | - | - | - | |

**Remarks** Cylinders are tested at seven (7) days to get an early indication of the potential strength of the concrete, but the seven (7) day results are not to be used for concrete acceptance. When the compressive strength of the concrete has reached 70% of the specified strength, it is a reasonable practice to use this as an indication that 100% of the specified strength will be attained by twenty-eight (28) days.

**Note** - *H*- Hold Cylinder -*D*- Defective Cylinder, Un-testable -*E*- Excluded From Average -*G*- Good Condition

**Note** **Test Results represent the Structural Element specified only** **If an air test was not completed, that deviates from C31 procedure**

**Note** **Test in compliance with approved plans and specifications** **Max/Min Temperatures were not recorded, that deviates from C-31 procedure**




Sampled per ASTM C-172 - Yes
Air Content Performed per ASTM C-173 or C-231 - N/A
Unit Weight Performed per ASTM C-138 - N/A
Slump Performed per ASTM C-143 - Yes
Concrete Temperature Performed per ASTM C-1064 - Yes
Molded per C-31 - Yes
Initially Cured per ASTM C-31 - No
Capped in Lab to ASTM C-1231
Cured & Tested in Lab per ASTM C-31 & C-39 - Yes
**This Form Conforms With ASTM C-39 - Yes**

Reviewed By
**GFA International, Inc**
FBPE Registry No.4930
Allan G. Abubakar, P.E.

**STATE OF FLORIDA**
Professional Engineer No. 69952

ALLAN G. ABUBAKAR LICENSE No. 69952 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Allan G Abubakar
Date: 2025.09.24 14:49:51-04'00'

***This item has been digitally signed and sealed by Allan G. Abubakar, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.***

***** Lab Technicians**

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