

# Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/24/2024

Sample: 446505 (230445)

## Alpha Omega Geotech, Inc

1701 State Avenue  
Kansas City, KS 66102  
Phone: 913-371-0000

## Client:

Tailor Made Exteriors  
1610 SE Hamblen Rd  
Lee's Summit, MO 64081

## Project:

230445  
TM Fieldhouse  
1600 SE Hamblen Rd  
Lees Summit, MO 64081

### Sample Details

|                   |             |                   |               |                 |           |
|-------------------|-------------|-------------------|---------------|-----------------|-----------|
| Set #:            | 4           | Technician:       | Marcus Barnes | Batched:        | 08:30 CDT |
| Specimen Size:    | 4" X 8"     | Cast By:          | Marcus Barnes | Sampled:        | 08:45 CDT |
| Specimens In Set: | 5           | Date Cast:        | 05/23/24      | Cast:           | 09:00 CDT |
| Truck / Ticket #: | 453 / 85751 | Sampled From:     | Chute         | Truck Empty:    | 09:10 CDT |
| Contractor:       | Secon       | Placement Method: | Chute         | Placement Time: | 40 (min)  |

### Location

Placement Location: Building Interior - Footing  
Location Details: 8.5-17 70 feet down A line  
Sample Location / Notes: On existing footing

### Batch Log

Supplier: Penny's Concrete, Inc. Mix Design: W530 3/4-4.50  
Plant: Lee summit  
On-Site Admixtures: None

### Specifications

Strength: 4000 (psi)

### Field Measurements

Weather: Sunny Slump (in): 4-1/2 (ASTM C143) Plastic Unit Weight:  
Air Temperature (F): 64 Concrete Temp (F): 77 (ASTM C1064) Air Content:  
Load Volume: 10.00 (yd<sup>3</sup>)

### Lab Test Results

Testing Lab: Alpha Omega Geotech, 1701 State Ave, Kansas City, KS, 66102

| Specimen Number | Test Age Days | Test Date | Field / Lab Cure Days | Average Cylinder Diameter (in) | Cylinder Area (in <sup>2</sup> ) | Max Load (lbs) | Strength (psi) | Fracture Type | Break Remark | Capping Method |
|-----------------|---------------|-----------|-----------------------|--------------------------------|----------------------------------|----------------|----------------|---------------|--------------|----------------|
| 4-1             | 7             | 05/30/24  | 1 / 6                 | 4.00                           | 12.57                            | 52,710         | 4,190          | 2             |              | N              |
| 4-2             | 28            | 06/20/24  | 1 / 27                | 4.00                           | 12.57                            | 73,210         | 5,820          | 2             |              | N              |
| 4-3             | 28            | 06/20/24  | 1 / 27                | 4.00                           | 12.57                            | 73,100         | 5,820          | 3             |              | N              |
| 4-4             | 28            | 06/20/24  | 1 / 27                | 4.00                           | 12.57                            | 71,990         | 5,730          | 2             |              | N              |
| 4-5             | 56 H          | 07/18/24  | 1 / 55                |                                |                                  |                |                |               |              |                |

Test Age Average Strengths (psi): 7 Day - 4190, 28 Day - 5790

### Capping Methods

Tested By: Marquis Gaston (1,2,3,4)

Checked In : 05/24/2024 (1,2,3,4,5)

N: Neoprene

