

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/03/2024

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 (yd³)

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 (in²)	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							
4-3	28	06/20/24	1 / 27							
4-4	28	06/20/24	1 / 27							
4-5	56 H	07/18/24	1 / 55							

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

Capping Methods

Tested By: Marquis Gaston (1)

N: Neoprene

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

