

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/19/2024

Sample: 446457

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 #:	1	Technician:	William Connelly	Batched:	10:42 CDT
Specimen Size:	4" X 8"	Cast By:	William Connelly	Sampled:	11:10 CDT
Specimens In Set:	5	Date Cast:	05/17/24	Cast:	11:25 CDT
Truck / Ticket #:	453 / 83637	Sampled From:	Chute	Truck Empty:	11:25 CDT
Contractor:	Secon	Placement Method:	Chute	Placement Time:	43 (min)

Location

Placement Location: Building Interior - Footing
Location Details: A2-C2, A3-C3, A4-C4, A5-C5.
Sample Location / Notes: Taken from North end of Footing A2-C2

Batch Log

Supplier: Geiger
Plant: Lee's Summit
Mix Design: P4UC530V450
On-Site Admixtures: None

Specifications

Strength: 4000 (psi)

Field Measurements

Weather: Sunny
Air Temperature (F): 77
Slump (in): 4-1/4 (ASTM C143)
Concrete Temp (F): 76 (ASTM C1064)
Plastic Unit Weight:
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 (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
1-1	7	05/24/24	2 / 5	4.00	12.57	41,950	3,340	3		N
1-2	28	06/14/24	2 / 26	4.00	12.57	57,560	4,580	3		N
1-3	28	06/14/24	2 / 26	4.00	12.57	56,580	4,500	3		N
1-4	28	06/14/24	2 / 26	4.00	12.57	57,080	4,540	3		N
1-5	56 H	07/12/24	2 / 54							

Test Age Average Strengths (psi): 7 Day - 3340, 28 Day - 4540

Capping Methods

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

Checked In : 05/19/2024 (1,2,3,4,5)

N: Neoprene

