

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/19/2024

Sample: 446687

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 #:	10	Technician:	Caleb Armstrong	Batched:	11:41 CDT
Specimen Size:	4" X 8"	Cast By:	Caleb Armstrong	Sampled:	12:05 CDT
Specimens In Set:	5	Date Cast:	06/06/24	Cast:	12:10 CDT
Truck / Ticket #:	923 / 91160	Sampled From:	Chute	Truck Empty:	12:25 CDT
Contractor:	Secon construction	Placement Method:	Chute	Placement Time:	44 (min)

Location

Placement Location:	Building Interior - Footing
Location Details:	Tie beams GL 2-16, B-C ; masonry footing 6, B-C & 6-12, C
Sample Location / Notes:	GL 2, B-C

Batch Log

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

Specifications

Strength:	4000 (psi)
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Field Measurements

Weather:	Slump (in):	4-1/2 (ASTM C143)	Plastic Unit Weight:
Air Temperature (F): 78	Concrete Temp (F):	84 (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
10-1	7	06/13/24	3 / 4	4.00	12.57	55,350	4,400	3		N
10-2	28	07/04/24	3 / 25							
10-3	28	07/04/24	3 / 25							
10-4	28	07/04/24	3 / 25							
10-5	56 H	08/01/24	3 / 53							

Test Age Average Strengths (psi): 7 Day - 4400

Capping Methods

Tested By: Marquis Gaston (1)	N: Neoprene
Checked In : 06/09/2024 (1,2,3,4,5)	

