

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/16/2024

Sample: 446816

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 #:	12	Technician:	Chase Behler	Batched:	10:36 CDT
Specimen Size:	4" X 8"	Cast By:	Chase Behler	Sampled:	11:05 CDT
Specimens In Set:	5	Date Cast:	06/14/24	Cast:	11:20 CDT
Truck / Ticket #:	469 / 95369	Sampled From:	Chute	Truck Empty:	11:18 CDT
Contractor:	Secon construction	Placement Method:	Chute	Placement Time:	42 (min)

Location

Placement Location:	Building Interior - Footing
Location Details:	Column and strip footings on lines 15C-15D ; E11-E15; E11-D11
Sample Location / Notes:	Strip footing SE corner

Batch Log

Supplier:	Geiger	Mix Design:	P4US530V450
Plant:	Lee's Summit		
On-Site Admixtures:	None		

Specifications

Strength:	4000 (psi)
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Field Measurements

Weather:	Sunny	Slump (in):	4 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	83	Concrete Temp (F):	85 (ASTM C1064)	Air Content:	
				Load Volume:	10.00 (yd ³)

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
12-1	7	06/21/24	1 / 6	4.00	12.57	51,090	4,060	3		N
12-2	28	07/12/24	1 / 27	4.00	12.57	63,550	5,060	3		N
12-3	28	07/12/24	1 / 27	4.00	12.57	63,740	5,070	3		N
12-4	28	07/12/24	1 / 27	4.00	12.57	61,610	4,900	3		N
12-5	56 H	08/09/24	1 / 55							

Test Age Average Strengths (psi): 7 Day - 4060, 28 Day - 5010

Capping Methods

Tested By: Marquis Gaston (1,2,3,4)	N: Neoprene
Checked In : 06/15/2024 (1,2,3,4,5)	

