

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 06/19/2024

Sample: 446458

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 #:	2	Technician:	Apex Engineers	Batched:	12:05 CDT
Specimen Size:	4" X 8"	Cast By:	Apex Engineers	Sampled:	12:32 CDT
Specimens In Set:	5	Date Cast:	05/16/24	Cast:	12:32 CDT
Truck / Ticket #:	920 / 83189	Sampled From:	Chute	Truck Empty:	
Contractor:	Secon	Placement Method:	Chute	Placement Time:	

Location

Placement Location:	Building Exterior - Footing
Location Details:	Footings on Grid A from 1 to 8.5
Sample Location / Notes:	Footing at Grid A/1.5

Batch Log

Supplier:	Geiger	Mix Design:	P4UC530V450
On-Site Admixtures:	None		

Specifications

Strength:	3000 (psi)
Slump:	3 - 5 (in)

Field Measurements

Weather:	Sunny	Slump (in):	4-1/2 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	69	Concrete Temp (F):	73 (ASTM C1064)	Air Content:	
				Load Volume:	90.00 (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
2-1	7	05/23/24	1 / 6	4.00	12.57	46,930	3,730	3		N
2-2	28	06/13/24	1 / 27	4.00	12.57	66,620	5,300	3		N
2-3	28	06/13/24	1 / 27	4.00	12.57	66,490	5,290	3		N
2-4	28	06/13/24	1 / 27	4.00	12.57	65,320	5,200	3		N
2-5	56 H	07/11/24	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3730, 28 Day - 5260

Capping Methods

Tested By: Marquis Gaston (1,2,3,4)	N: Neoprene
Checked In : 05/17/2024 (1,2,3,4,5)	

General Remarks

2-5: Footing at Grid A/1.5



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6