

Compressive Strength of Concrete

Test Method: ASTM C 39

Report Date: 07/01/2024

Sample: 446545

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 #:	7	Technician:	Bryce Enzbrenner	Batched:	11:46 CDT
Specimen Size:	4" X 8"	Cast By:	Bryce Enzbrenner	Sampled:	12:15 CDT
Specimens In Set:	5	Date Cast:	05/28/24	Cast:	12:30 CDT
Truck / Ticket #:	423 / 87049	Sampled From:	Chute	Truck Empty:	12:54 CDT
Contractor:	ML crose foundations	Placement Method:	Pump	Placement Time:	68 (min)

Location

Placement Location:	Building Exterior - Foundation Wall
Location Details:	South west exterior wall wrapping around into north west Grid lines A-E and then E-14
Sample Location / Notes:	Started with E16 side of wall

Batch Log

Supplier:	Geiger	Mix Design:	A6MC504WALL	Strength:	4000 (psi)
Plant:	Lee's Summit				
On-Site Admixtures:	None				

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	6-1/4 (ASTM C143)	Plastic Unit Weight:	
Air Temperature (F):	68	Concrete Temp (F):	81 (ASTM C1064)	Air Content:	5.8 (ASTM C231)
				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
7-1	7	06/04/24	1 / 6	4.00	12.57	41,090	3,270	3		N
7-2	28	06/25/24	1 / 27	4.00	12.57	59,740	4,750	2		N
7-3	28	06/25/24	1 / 27	4.00	12.57	59,710	4,750	3		N
7-4	28	06/25/24	1 / 27	4.00	12.57	60,820	4,840	2		N
7-5	56 H	07/23/24	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3270, 28 Day - 4780

Capping Methods

Tested By: Marquis Gaston (1,2,3,4)	N: Neoprene
Checked In : 05/29/2024 (1,2,3,4,5)	

