

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 #:	20	Technician:	Zaii Graves
Specimen Size:	4" X 8"	Cast By:	Zaii Graves
Specimens In Set:	5	Date Cast:	07/26/24
Truck / Ticket #:	453 / 1010436	Sampled From:	Chute
Contractor:	Secon Construction	Placement Method:	Pump
Batched:	05:05 CDT	Sampled:	05:35 CDT
Cast:	05:50 CDT	Truck Empty:	
Placement Time:			

Location	
Placement Location:	Building Interior - Slab on Grade
Location Details:	Concessions stand at (5.5-11)-(C-D). (11-15.5)-(D-E).
Sample Location / Notes:	Sampled from SE corner at E@15.5

Batch Log		Specifications	
Supplier:	Geiger	Mix Design:	P4UC540V445
Plant:	Lee's Summit	Strength:	4000 (psi)
On-Site Admixtures:	None	Slump:	3 - 5 (in)

Field Measurements			
Weather:	Sunny	Slump (in):	4-1/2 (ASTM C143)
Air Temperature (F):	69	Concrete Temp (F):	81 (ASTM C1064)
Plastic Unit Weight:		Air Content:	2.5 (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
20-1	7	08/02/24	1 / 6	4.00	12.57	64,270	5,110	3		N
20-2	28	08/23/24	1 / 27	4.00	12.57	81,420	6,480	3		N
20-3	28	08/23/24	1 / 27	4.00	12.57	81,620	6,490	3		N
20-4	28	08/23/24	1 / 27	4.00	12.57	84,950	6,760	2		N
20-5	56 H	09/20/24	1 / 55							

Test Age Average Strengths (psi): 7 Day - 5110, 28 Day - 6580

Capping Methods	
Tested By: Marquis Gaston (1,2,3,4)	N: Neoprene
Checked In : 07/27/2024 (1,2,3,4,5)	

