



# CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000034  
Sample 265457 28-day  
Report Date: 11/05/2021  
Sample: 265457

S&ME, Inc.  
3201 Spring Forest Road  
Raleigh, NC 27616  
Phone: 919-872-2660  
Fax: 919-876-3958

Client: SHEETZ, Inc.  
1737 White Kennel Road  
Burlington, NC 27215

Project: 214164  
Sheetz #716 Cameron  
Intersection of Sawyer Rd and NC Hwy 24  
Cameron, NC 28326

### Sample Details

Set #:	16	Technician:	NICHOLAS GEMBERLING	Batched:	13:41 EDT
Specimen Size:	4" X 8"	Cast By:	NICHOLAS GEMBERLING	Sampled:	14:15 EDT
Specimens In Set:	5	Date Cast:	09/29/21	Cast:	14:30 EDT
Truck / Ticket #:	414 / 2446788	Sampled From:	Chute	Truck Empty:	14:50 EDT
Contractor:	Gates Concrete	Placement Method:	Chute	Placement Time:	69 (min)

### Location

Placement Location:	FOUNDATION
Location Details:	Sign post footings
Sample Location / Notes:	Sign post footings on east side of site

### Batch Log

Supplier:	05-S & W Concrete	Mix Design:	G40CBNA	Strength:	4000 (psi)
Plant:	Plant 258 A			Air:	0 - 3 (%)
On-Site Admixtures:	None			Slump:	3 - 5 (in)

### Specifications

### Field Measurements

Weather:	Sunny	Slump (in):	5 (ASTM C143)	Plastic Unit Weight:	145.8 (lb/ft³) (ASTM C138)
Air Temperature (F):	82	Concrete Temp (F):	87 (ASTM C1064)	Air Content:	1.4 (ASTM C231)
				Load Volume:	10.00 (yd³)

### Standard Cure

### Field Cure

### Lab Test Results

Testing Lab: Raleigh, 3201 Spring Forest Road, Raleigh, NC, 27616

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
16-1	7	10/06/21	1 / 6	3.99	12.50	49,940	4,000	3	P7	U
16-2	28	10/27/21	1 / 27	4.00	12.57	57,000	4,540	3	P	U
16-3	28	10/27/21	1 / 27	4.00	12.57	58,195	4,630	3	P	U
16-4	28	10/27/21	1 / 27	4.00	12.57	62,320	4,960	3	P	U
16-5	28 H	10/27/21	1 / 27							

Test Age Average Strengths (psi): 7 Day - 4000, 28 Day - 4710

### Capping Methods

P7: The 7-day compressive strength test result meets or exceeds 70% of the 28-day specified strength. P: The compressive strength test result meets or exceeds the 28-day specified strength. Tested By: Mal KRAJAN (1), NATHAN J MILLER (2,3,4,5) Checked In : 09/30/2021 (1,2,3,4,5)	U: Unbonded Caps (ASTM C1231)
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TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6

Reviewed/Prepared by:  
Jan ROSS  
Nov 05, 2021