



CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000035
Sample 266150 28-day
Report Date: 11/05/2021
Sample: 266150

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 #:	17	Technician:	HAZEM ISMAIL	Batched:	12:37 EDT
Specimen Size:	4" X 8"	Cast By:	HAZEM ISMAIL	Sampled:	13:05 EDT
Specimens In Set:	5	Date Cast:	10/04/21	Cast:	13:17 EDT
Truck / Ticket #:	2016 / 2446792	Sampled From:	Chute	Truck Empty:	13:42 EDT
Contractor:	Gates	Placement Method:	Chute	Placement Time:	65 (min)

Location

Placement Location:	PAVEMENT
Location Details:	Light poles
Sample Location / Notes:	Light poles

Batch Log

Supplier:	05-S & W Concrete	Mix Design:	G40CB	Strength:	4000 (psi)
Plant:	Plant 258 A			Air:	4 - 7 (%)
On-Site Admixtures:	None			Slump:	5 - 7 (in)

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	6 (ASTM C143)	Plastic Unit Weight:	143.9 (lb/ft³) (ASTM C138)
Air Temperature (F):	80	Concrete Temp (F):	80 (ASTM C1064)	Air Content:	4.5 (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
17-1	7	10/11/21	1 / 6	4.00	12.57	54,850	4,360	2	P7	U
17-2	28	11/01/21	1 / 27	4.00	12.57	67,075	5,340	3	P	U
17-3	28	11/01/21	1 / 27	4.00	12.57	71,590	5,700	3	P	U
17-4	28	11/01/21	1 / 27	4.00	12.57	68,180	5,420	3	P	U
17-5	28 H	11/01/21	1 / 27							

Test Age Average Strengths (psi): 7 Day - 4360, 28 Day - 5490

Capping Methods

P7: The 7-day compressive strength test result meets or exceeds 70% of the 28-day specified strength.	U: Unbonded Caps (ASTM C1231)
P: The compressive strength test result meets or exceeds the 28-day specified strength.	
Tested By: Kara GREGORY (1), NATHAN J MILLER (2,3,4,5)	
Checked In : 10/05/2021 (1,2,3,4,5)	



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

Reviewed/Prepared by:
Jan ROSS
Nov 05, 2021