



CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000010
Sample 257371 28-day
Report Date: 08/11/2021
Sample: 257371

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 #:	5	Technician:	JAMES MABRY	Batched:	06:51 EDT
Specimen Size:	4" X 8"	Cast By:	JAMES MABRY	Sampled:	07:26 EDT
Specimens In Set:	5	Date Cast:	07/13/21	Cast:	07:41 EDT
Truck / Ticket #:	0424 / 2446358	Sampled From:	Chute	Truck Empty:	07:35 EDT
Contractor:	Qualified Builders	Placement Method:	Pump	Placement Time:	44 (min)

Location

Placement Location:	FOUNDATION
Location Details:	Foundation - interior slab on grade, plan east end of foundation to the west end
Sample Location / Notes:	Plan mid-west of foundation

Batch Log

Supplier:	05-S & W Concrete	Mix Design:	F40CBNA
Plant:	Plant 24		
On-Site Admixtures:	None		

Specifications

Strength:	4000 (psi)
Air:	0.0 - 3.0 (%)
Slump:	4 - 6 (in)

Field Measurements

Weather:	Cloudy	Slump (in):	4-1/2 (ASTM C143)	Plastic Unit Weight:	145.2 (lb/ft³) (ASTM C138)
Air Temperature (F):	75	Concrete Temp (F):	82 (ASTM C1064)	Air Content:	1.5 (ASTM C231)
				Load Volume:	10.00 (yd³)

Standard Cure

Field Cure

Lab Test Results

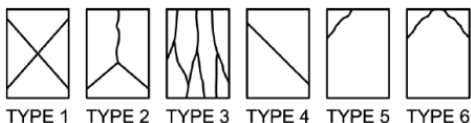
Testing Lab: Raleigh, 3201 Spring Forest Road, Raleigh, NC, 27616

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
5-1	7	07/20/21	1 / 6	3.98	12.44	54,000	4,340	2	P7	U
5-2	28	08/10/21	1 / 27	3.99	12.50	69,145	5,530	3	P	U
5-3	28	08/10/21	1 / 27	3.99	12.50	66,855	5,350	5	P	U
5-4	28	08/10/21	1 / 27	3.99	12.50	64,395	5,150	5	P	U
5-5	28 H	08/10/21	1 / 27							

Test Age Average Strengths (psi): 7 Day - 4340, 28 Day - 5340

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: Melody BREWER (1,2,3,4,5) Checked In : 07/14/2021 (1,2,3,4,5)	



Reviewed/Prepared by:
Jan ROSS
Aug 11, 2021