



CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000009
Sample 257357 28-day
Report Date: 08/11/2021
Sample: 257357

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 #:	4	Technician:	JAMES MABRY
Specimen Size:	4" X 8"	Cast By:	JAMES MABRY
Specimens In Set:	5	Date Cast:	07/13/21
Truck / Ticket #:	0424 / 2446353	Sampled From:	Chute
Contractor:	Qualified Builders	Placement Method:	Pump
Batched:	05:38 EDT	Sampled:	06:21 EDT
Cast:	06:36 EDT	Truck Empty:	06:34 EDT
Placement Time:	56 (min)		

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

Batch Log		Specifications	
Supplier:	05-S & W Concrete	Mix Design:	F40CBNA
Plant:	Plant 24	Strength:	4000 (psi)
On-Site Admixtures:	None	Air:	0.0 - 3.0 (%)
		Slump:	4 - 6 (in)

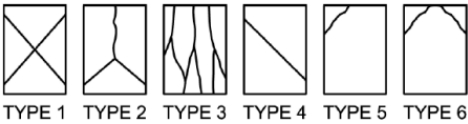
Field Measurements			
Weather:	Cloudy	Slump (in):	4-1/2 (ASTM C143)
Air Temperature (F):	73	Concrete Temp (F):	82 (ASTM C1064)
		Plastic Unit Weight:	145.6 (lb/ft³) (ASTM C138)
		Air Content:	1.5 (ASTM C231)
		Load Volume:	10.00 (yd³)

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
4-1	7	07/20/21	1 / 6	3.98	12.44	52,990	4,260	5	P7	U
4-2	28	08/10/21	1 / 27	3.99	12.50	61,280	4,900	2	P	U
4-3	28	08/10/21	1 / 27	3.99	12.50	69,315	5,550	5	P	U
4-4	28	08/10/21	1 / 27	3.99	12.50	62,120	4,970	3	P	U
4-5	28 H	08/10/21	1 / 27							

Test Age Average Strengths (psi): 7 Day - 4260, 28 Day - 5140

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