



CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000031
 Sample 264734 28-day
 Report Date: 10/25/2021
 Sample: 264734

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 #:	14	Technician:	Brent STANLAND
Specimen Size:	4" X 8"	Cast By:	Brent STANLAND
Specimens In Set:	5	Date Cast:	09/23/21
Truck / Ticket #:	414 / 2446773	Sampled From:	Chute
Contractor:	Gates Concrete & Construction	Placement Method:	
Batched:	11:13 EDT	Sampled From:	Chute
Sampled:	12:00 EDT	Truck Empty:	12:16 EDT
Cast:	12:01 EDT	Placement Time:	63 (min)

Location	
Placement Location:	PAVEMENT - Approach
Location Details:	Concrete Pavement Area 6 - southeast side of building
Sample Location / Notes:	Center concrete pavement area

Batch Log		Specifications	
Supplier:	05-S & W Concrete	Mix Design:	G40CB
Plant:	Plant 258 A	Strength:	4000 (psi)
On-Site Admixtures:	None		

Field Measurements			
Weather:	Sunny, clear	Slump (in):	6 (ASTM C143)
Air Temperature (F):	71	Concrete Temp (F):	79 (ASTM C1064)
		Plastic Unit Weight:	147.2 (lb/ft³) (ASTM C138)
		Air Content:	5.2 (ASTM C231)
		Load Volume:	10.00 (yd³)

Standard Cure	Field Cure

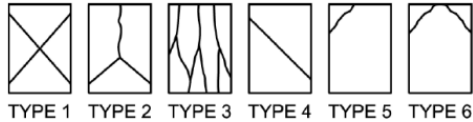
Lab Test Results

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
14-1	7	09/30/21	1 / 6	3.99	12.50	47,440	3,800	3	P7	U
14-2	28	10/21/21	1 / 27	4.00	12.57	60,330	4,800	3	P	U
14-3	28	10/21/21	1 / 27	4.00	12.57	60,250	4,790	3	P	U
14-4	28	10/21/21	1 / 27	4.00	12.57	59,560	4,740	3	P	U
14-5	28 H	10/21/21	1 / 27							

Test Age Average Strengths (psi): 7 Day - 3800, 28 Day - 4780

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: Mal KRAJAN (1,2,3,4,5)	
Checked In : 09/24/2021 (1,2,3,4,5)	



Reviewed/Prepared by:
 Jan ROSS
 Oct 25, 2021