



CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000027
 Sample 264177 28-day
 Report Date: 10/18/2021
 Sample: 264177

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 #:	9	Technician:	James MUENCH	Batched:	11:29 EDT
Specimen Size:	4" X 8"	Cast By:	James MUENCH	Sampled:	12:15 EDT
Specimens In Set:	5	Date Cast:	09/15/21	Cast:	12:20 EDT
Truck / Ticket #:	559 / 2446754	Sampled From:	Chute	Truck Empty:	12:55 EDT
Contractor:	Ready Contractors	Placement Method:	Chute	Placement Time:	86 (min)

Location

Placement Location:	PAVEMENT
Location Details:	Car wash drive through entrance and exit
Sample Location / Notes:	Car wash drive exit

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:	3 - 5 (in)

Specifications

Field Measurements

Weather:	Clear	Slump (in):	3-1/4 (ASTM C143)	Plastic Unit Weight:	140.1 (lb/ft³) (ASTM C138)
Air Temperature (F):	85	Concrete Temp (F):	84 (ASTM C1064)	Air Content:	5.6 (ASTM C231)
				Load Volume:	9.00 (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
9-1	7	09/22/21	1 / 6	3.99	12.50	60,960	4,880	3	P7	U
9-2	28	10/13/21	1 / 27	4.00	12.57	81,800	6,510	2	P	U
9-3	28	10/13/21	1 / 27	4.00	12.57	78,940	6,280	3	P	U
9-4	28	10/13/21	1 / 27	4.00	12.57	79,345	6,310	2	P	U
9-5	28 H	10/13/21	1 / 27							

Test Age Average Strengths (psi): 7 Day - 4880, 28 Day - 6370

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), Kara GREGORY (2,3,4,5)	
Checked In : 09/16/2021 (1,2,3,4,5)	



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

Reviewed/Prepared by:
 Jan ROSS
 Oct 18, 2021