



CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000012
Sample 259098 28-day
Report Date: 09/08/2021
Sample: 259098

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 #:	6	Technician:	JAMES MABRY	Batched:	12:36 EDT
Specimen Size:	4" X 8"	Cast By:	JAMES MABRY	Sampled:	13:17 EDT
Specimens In Set:	5	Date Cast:	07/28/21	Cast:	13:31 EDT
Truck / Ticket #:	0692 / 2446420	Sampled From:	Chute	Truck Empty:	13:58 EDT
Contractor:	Guardian Fueling Technologies	Placement Method:	Chute	Placement Time:	82 (min)

Location

Placement Location:	CANOPY - Foundation
Location Details:	Eight Canopy footings - C1, C2, C4, C6, C8, C10, C11 and C12
Sample Location / Notes:	Canopy footing C11

Batch Log

Supplier:	05-S & W Concrete	Mix Design:	F35CNA	Strength:	3500 (psi)
Plant:	Plant 24			Air:	0 - 3 (%)
On-Site Admixtures:	None			Slump:	3 - 5 (in)

Specifications

Field Measurements

Weather:	Sunny	Slump (in):	4-1/2 (ASTM C143)	Plastic Unit Weight:	147.3 (lb/ft ³) (ASTM C138)
Air Temperature (F):	91	Concrete Temp (F):	95 (ASTM C1064)	Air Content:	1.2 (ASTM C231)
				Load Volume:	10.00 (yd ³)

Standard Cure

Field Cure

Lab Test Results

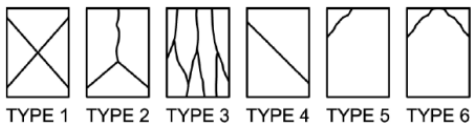
Testing Lab: Raleigh, 3201 Spring Forest Road, Raleigh, NC, 27616

Specimen Number	Test Age Days	Test Date	Field / Lab Cure Days	Average Cylinder Diameter (in)	Cylinder Area (in ²)	Max Load (lbs)	Strength (psi)	Fracture Type	Break Remark	Capping Method
6-1	7	08/04/21	1 / 6	3.99	12.50	39,560	3,170	5	P7	U
6-2	28	08/25/21	1 / 27	3.99	12.50	56,220	4,500	2	P	U
6-3	28	08/25/21	1 / 27	3.99	12.50	51,230	4,100	2	P	U
6-4	28	08/25/21	1 / 27	3.99	12.50	47,280	3,780	3	P	U
6-5	56 H	09/22/21	1 / 55							

Test Age Average Strengths (psi): 7 Day - 3170, 28 Day - 4130

Capping Methods

P7: The 7-day compressive strength test result meets or exceeds 70% of the 28-day specified strength. P: The compressive strength test result meets or exceeds the 28-day specified strength. Tested By: Melody BREWER (1,2,3,4) Checked In : 07/29/2021 (1,2,3,4,5)	U: Unbonded Caps (ASTM C1231)
---	-------------------------------



Reviewed/Prepared by:
Jan ROSS
Sep 08, 2021