

CONCRETE COMPRESSIVE STRENGTH

Test Method: ASTM C39

Report #: CC-000034 Sample 265457 28-day Report Date: 11/05/2021

Sample: 265457

Client: Project: S&ME, Inc. SHEETZ. Inc. 214164

1737 White Kennel Road Burlington, NC 27215

Placement Method:

Intersection of Sawyer Rd and NC Hwy 24

Cameron, NC 28326

Sheetz #716 Cameron

Sample Details Set #: 16

Specimen Size: 4" X 8"

Specimens In Set: 5

3201 Spring Forest Road

Raleigh, NC 27616

Fax: 919-876-3958

Phone: 919-872-2660

Truck / Ticket #: 414 / 2446788 Contractor:

Technician: Cast By:

NICHOLAS GEMBERLING NICHOLAS GEMBERLING

Batched: Sampled: Cast:

14:15 EDT 14:30 EDT 14:50 EDT

13:41 EDT

Date Cast: Gates Concrete Sampled From: 09/29/21 Chute

Truck Empty: **Placement Time:**

69 (min)

Specifications

Chute Location

Placement Location: **FOUNDATION Location Details:** Sign post footings

Sample Location / Notes: Sign post footings on east side of site

> **Batch Log** 05-S & W Concrete

Supplier: Plant: Plant 258 A On-Site Admixtures: None

G40CBNA Mix Design:

Strength: 4000 (psi) 0 - 3 (%) Air: Slump: 3 - 5 (in)

Field Measurements

Plastic Unit Weight: 145.8 (lb/ft³) (ASTM C138) Weather: Sunny Slump (in): 5 (ASTM C143)

Air Temperature (F): 82 Concrete Temp (F): 87 (ASTM C1064) Air Content: 1.4 (ASTM C231) Load Volume: 10.00 (yd3)

> **Standard Cure Field Cure**

Lab Test Results

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

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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
16-1	7	10/06/21	1/6	3.99	12.50	49,940	4,000	3	P7	U
16-2	28	10/27/21	1 / 27	4.00	12.57	57,000	4,540	3	Р	U
16-3	28	10/27/21	1 / 27	4.00	12.57	58,195	4,630	3	Р	U
16-4	28	10/27/21	1 / 27	4.00	12.57	62,320	4,960	3	Р	U
16-5	28 H	10/27/21	1 / 27							

Test Age Average Strengths (psi): 7 Day - 4000, 28 Day - 4710

P7: The 7-day compressive strength test result meets or exceeds 70% of the 28-day specified strength.

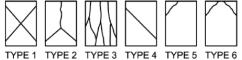
P: The compressive strength test result meets or exceeds the 28-day specified strength.

Tested By: Mal KRAJAN (1), NATHAN J MILLER (2,3,4,5)

Checked In: 09/30/2021 (1,2,3,4,5)

Capping Methods

U: Unbonded Caps (ASTM C1231)



Reviewed/Prepared by: Jan ROSS Nov 05, 2021