

REPORT OF CONCRETE FIELD & LABORATORY TESTING

CLIENT: DN Tanks
 11 Teal Road
 Wakefield, MA 01880
 Attn: Mr. Jake Sreca

PROJECT: Middletown CT
 224 Talcott Ridge Drive
 Middletown, CT

DATE: September 2, 2020

REPORT #: 20-07-161-010

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General Location: Dome Panels DA-5 and DB-5

Date Cast: 8/27/2020
Field Rep: Stephen Sturges
Contractor: DN Tanks
Concrete Supplier: CT Ready Mix
Concrete Admixtures: Mix B
Air Temp: 70 °F
Weather: Cloudy
Nominal Size of Aggr: 3/4"
Date Received by Lab: 8/28/2020

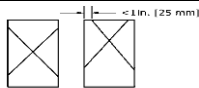
FIELD TEST RESULTS (Sampled in accordance with ASTM C172)

TICKET #	*# CYL	SLUMP TEST (in) (ASTM C143)	AIR CONTENT (%) (ASTM C231)	TEMPERATURE (°F) (ASTM C1064)	ELAPSED TIME		
					Batch	Final	Total (Min)
1008396	6	5.00"	4.50%	75 °F	10:51 AM	12:30 PM	99

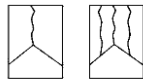
**Specimens molded/conditioned in accordance with ASTM C31/ASTM C1231*

LABORATORY COMPRESSIVE STRENGTH TESTING (ASTM C39)

Date of Test	Cylinder ID	Age	Cure	Avg Measured Diameter (in)	Cross Sectional (in ²)	PSI	Max. Load	Break Type
08/31/20	1A	4	LAB	6.00"	28.26"	3,810	107,810	2
09/03/20	1B	7	LAB					
09/03/20	1C	7	LAB					
09/24/20	1D	28	LAB					
09/24/20	1E	28	LAB					
	1F		HOLD					



Type 1
Reasonably well-formed cones on both ends, less than 1 in. [25 mm] of cracking through caps



Type 2
Well-formed cone on one end, vertical cracks running through caps, no well-defined cone on other end



Type 3
Columnar vertical cracking through both ends, no well-formed cones



Type 4
Diagonal fracture with no cracking through ends; tap with hammer to distinguish from Type 1



Type 5
Side fractures at top or bottom (occur commonly with unbonded caps)



Type 6
Similar to Type 5 but end of cylinder is pointed

Specific Sample Location: Dome Panels DA-5 and DB-5

Yards Placed: 6.0 yards³ **Design Strength:** 4000 psi

Density:

Remarks:

Reviewed By:

Darlene Daniels

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