JOHN TURNER CONSULTING

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 17, 2020 **REPORT #:** 20-07-161-008

General Location: Exterior Wall and Dome Panels

Date Cast: 8/20/2020
Field Rep: Stephen Sturges
Contractor: DN Tanks
Concrete Supplier: CT Ready Mix
Concrete Admixtures: Mix B
Air Temp: 83 °F
Weather: Sunny
Nominal Size of Aggr: 3/4''
Date Received by Lab: 8/21/2020

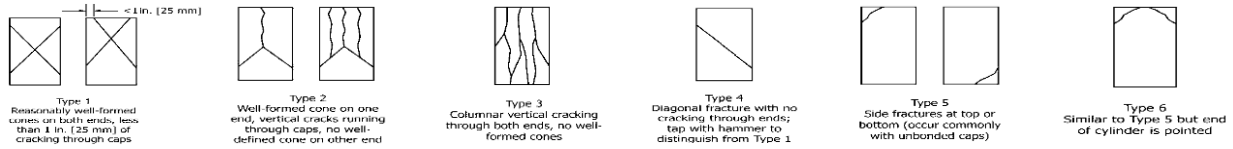
FIELD TEST RESULTS (Sampled in accordance with ASTM C172)

TICKET #	*# CYL	SLUMP TEST (in) (ASTM C143)	AIR CONTENT (%) (ASTM C231)	TEMPERATURE (°F) (ASTM C1064)	ELAPSED TIME		
					Batch	Final	Total (Min)
1008261	6	5.00''	5.40%	82 °F	9:08 AM	10:32 AM	84

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
08/24/20	1A	4	LAB	6.00''	28.26''	3,800	107,280	2
08/27/20	1B	7	LAB	6.00''	28.26''	4,120	116,320	2
08/27/20	1C	7	LAB	6.00''	28.26''	4,250	120,020	2
09/17/20	1D	28	LAB	6.00''	28.26''	4,770	134,750	2
09/17/20	1E	28	LAB	6.00''	28.26''	5,050	142,650	5
	1F		HOLD					



Specific Sample Location: Wall Panel WA-4
Yards Placed: 40.0 **$yards^3$** **Design Strength:** 4000 **psi**
Density:
Remarks:

Reviewed By: Darlene Daniels

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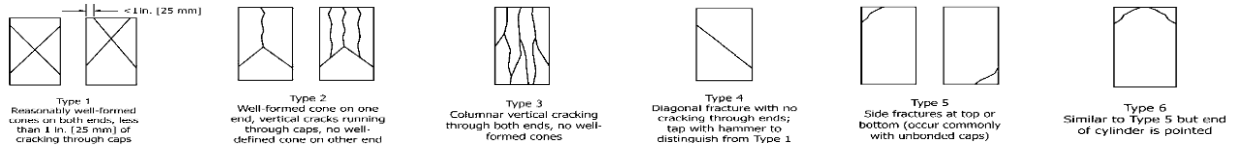
					Batch	Final	Total (Min)
1008262	6	4.75''	5.00%	78 °F	10:00 AM	11:46 AM	106

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
08/24/20	2A	4	LAB	6.00''	28.26''	3,710	104,880	2
08/27/20	2B	7	LAB	6.00''	28.26''	3,890	109,990	2
08/27/20	2C	7	LAB	6.00''	28.26''	4,000	112,940	2
09/17/20	2D	28	LAB	6.00''	28.26''	4,420	124,940	2
09/17/20	2E	28	LAB	6.00''	28.26''	4,510	127,360	2
	2F		HOLD					



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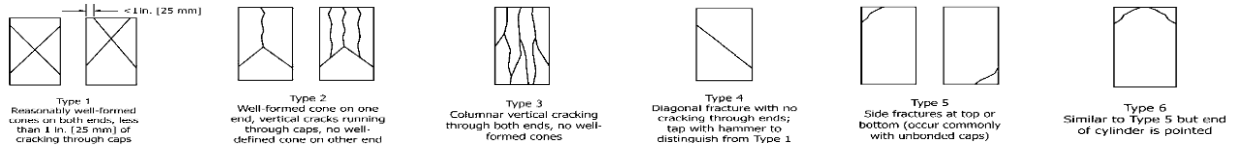
TICKET #	*# CYL	SLUMP TEST (in) (ASTM C143)	AIR CONTENT (%) (ASTM C231)	TEMPERATURE (°F) (ASTM C1064)	ELAPSED TIME		
					Batch	Final	Total (Min)
1008265	6	5.00''	4.90%	78 °F	11:59 AM	1:34 PM	95

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
08/24/20	3A	4	LAB	6.00''	28.26''	3,790	107,240	2
08/27/20	3B	7	LAB	6.00''	28.26''	3,880	109,730	2
08/27/20	3C	7	LAB	6.00''	28.26''	3,860	109,120	2
09/17/20	3D	28	LAB	6.00''	28.26''	4,160	117,630	2
09/17/20	3E	28	LAB	6.00''	28.26''	4,390	124,130	5
	3F		HOLD					



Specific Sample Location: Wall Panel WB-4
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Density:
Remarks:

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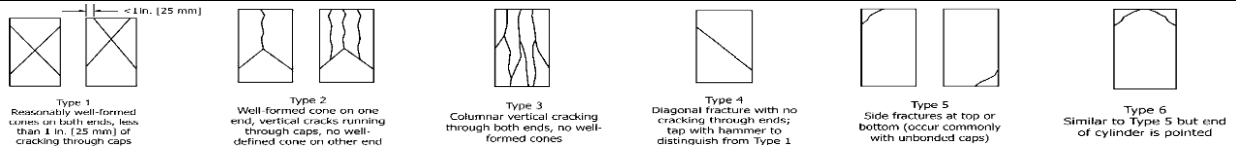
					Batch	Final	Total (Min)
1008269	6	4.75''	5.60%	82 °F	1:34 PM	3:04 PM	90

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
08/24/20	4A	4	LAB	6.00''	28.26''	3,590	101,400	2
08/27/20	4B	7	LAB	6.00''	28.26''	3,720	105,010	2
08/27/20	4C	7	LAB	6.00''	28.26''	3,740	105,770	2
09/17/20	4D	28	LAB	6.00''	28.26''	4,600	129,940	2
09/17/20	4E	28	LAB	6.00''	28.26''	4,670	131,930	5
	4F		HOLD					



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Density:
Remarks:

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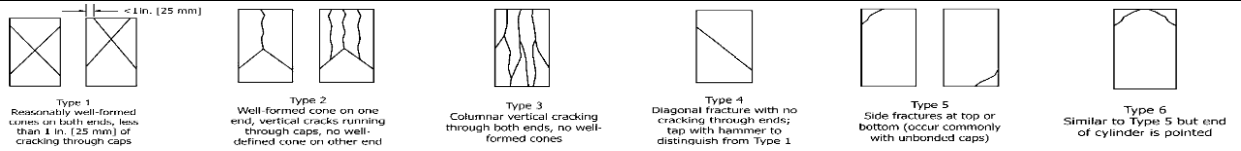
					Batch	Final	Total (Min)
1008272	6	5.50''	6.00%	84 °F	2:02 PM	3:52 PM	110

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
08/24/20	5A	4	LAB	6.00''	28.26''	3,460	97,790	2
08/27/20	5B	7	LAB	6.00''	28.26''	3,690	104,170	2
08/27/20	5C	7	LAB	6.00''	28.26''	3,710	104,820	2
09/17/20	5D	28	LAB	6.00''	28.26''	4,130	116,580	2
09/17/20	5E	28	LAB	6.00''	28.26''	4,170	117,860	5
	5F		HOLD					



Specific Sample Location: Panel DA-4 and DB-4
Yards Placed: 40.0 **yards^3** **Design Strength:** 4000 **psi**
Density:
Remarks:

Reviewed By: Darlene Daniels