Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: Portland ME - 1945 Congress Street - Construction Materials Testing Services

Project Number: 16-1446

Client: Northland Enterprises LLC

Client Contract Number:

General Contractor:

Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 7/10/2017 **Time Cast:** 7:35 **Date Received:** 7/11/2017

Placement Location: UNIT 3, I-STORY BUILDING; ENTIRE INTERIOR SLAB

Placement Method: PUMP

Cylinders Made By: AIDAN BOYCE

Placement Vol. (yd³): 320

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (ºF) NT **Maximum (ºF)** NT

DELIVERY INFORMATION

Admixtures: POLYMESH / MASTER GLENIUM

TEST RESULTS

Slump (in) (C-143): 5 1/2

Air Content (%) (C-231) **Air WR:** 3.5

Air Temp (ºF): 68

Conc. Temp (ºF) (C-1064): 76

Load Number: 18

Mixer Number 144

Ticket Number 403155

Cubic Yards: 10

Design (psi): **3500**

Batch 6:40

Arrive 7:10

Depart 7:30

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In)²	Date Of Test	Cure Type	**Age (days)**	Fracture Type	Load (kips)	**Strength (psi)**
923-14A	8.30	4.21	13.89	7/17/2017	Lab	**7**	5	37.8	**2720**
923-14B	8.30	4.02	12.66	8/7/2017	Lab	**28**	5	45.2	**3570**
923-14C	8.30	4.01	12.63	8/7/2017	Lab	**28**	5	44.4	**3520**
923-14D	8.30	4.00	12.56	9/4/2017	Lab	**56**	6	47.2	**3760**

Fracture Types

1 Cone both ends; 2 Cone one end w/ split; 3 Columnar; 4 Diagonal; 5 Side at top or bottom; 6 Pointed End

Remarks:

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