S.W.COLE ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: Portland ME - Luminato Condominiums - Construction Materials Testing Services

Project Number: 16-0910

Client: Luminato Condominium, LLC

Client Contract Number:

General Contractor:

Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 12/7/2016 **Time Cast:** 10:20 **Date Received:** 12/8/2016

Placement Location: 3RD FLOOR SLAB ON DECK

Placement Method: PUMP

Placement Vol. (yd³): 120

Cylinders Made By: NATHANIEL MCARTHUR

Aggregate Size (in): 3/8

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: MRWR
3% SET FP20

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6.5

Air Content (%) (C-231) **Air WR:** 5.25

Air Temp (°F): 33

Conc. Temp (°F) (C-1064): 63

Load Number: 8

Mixer Number: 148

Ticket Number 210169

Cubic Yards: 10

Design (psi): **3500**

Batch 9:17

Arrive 9:50

Depart 10:15

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)**
841-13A	7.30	4.00	12.58	12/14/2016	Lab	**7**	5	48.2	**3830**
841-13B	7.30	4.02	12.66	1/4/2017	Lab	**28**	5	60.2	**4760**
841-13C	7.30	4.01	12.65	1/4/2017	Lab	**28**	5	62.0	**4900**
841-13D				Hold	Lab				
841-13E				Hold	Lab				
841-13F				Hold	Lab				

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: dry unit weight: 841-13E 111.6pcf 841-13F 111.7pcf

286 Portland Road, Gray, ME 04039-9586 • Tel (207) 657-2866 • Fax (207) 657-2840 • www.swcole.com