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:** 11:00 **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:** 4.25

Air Temp (°F): 34

Conc. Temp (°F) (C-1064): 60

Load Number: 11

Mixer Number: 99

Ticket Number 210175

Cubic Yards: 10

Design (psi): **3500**

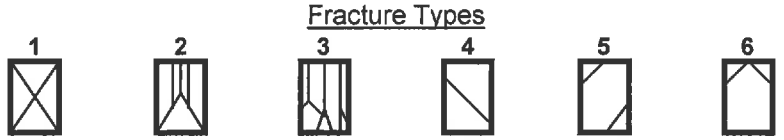
Batch 10:02

Arrive 10:40

Depart 11:00

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)**
841-14A	7.25	4.00	12.53	12/14/2016	Lab	**7**	3	42.2	**3370**
841-14B	7.25	4.01	12.64	1/4/2017	Lab	**28**	5	52.2	**4130**
841-14C	7.25	4.01	12.65	1/4/2017	Lab	**28**	5	49.6	**3920**
841-14D	7.25			Hold	Lab				
841-14E				Hold	Lab				
841-14F				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: 841-14E 110.9pcf 841-14F 111.1pcf

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