



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: Portland ME - 2014 Precast - Concrete Testing

Project Number: 14-0433

Client: Beachstone

Client Contract Number:

General Contractor:

Concrete Supplier:

PLACEMENT INFORMATION

Date Cast: 2/9/2015 Time Cast: Date Received: 2/10/2015

Placement Location:

Placement Method:

Placement Vol. (yd³):

Cylinders Made By:

Aggregate Size (in):

* Test Cylinders Not Made By S. W. Cole Personnel

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) Maximum (°F)

DELIVERY INFORMATION

Admixtures:

TEST RESULTS

Slump (in) (C-143):

Load Number: Batch

Air Content (%) (C-231)

Mixer Number: Arrive

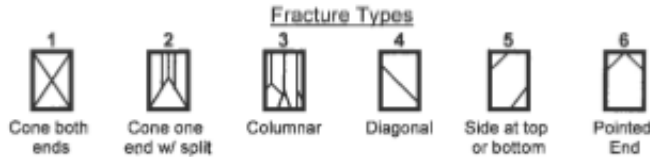
Air Temp (°F):

Ticket Number: Depart

Conc. Temp (°F) (C-1064):

Cubic Yards: Design (psi):

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)
560-9A		4.02	12.68	2/16/2015	Lab	7	4	72.0	5680



Remarks:

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



Report of Flexural Strength of Concrete

ASTM C78

Project Name: Portland ME - 2014 Precast - Concrete Testing

Project Number: 14-0433

Client: Beachstone

Client Contract Number:

General Contractor:

Concrete Supplier:

PLACEMENT INFORMATION

Date Cast: 2/9/2015 Time Cast: Date Received: 2/10/2015

Placement Location:

Placement Method:

Placement Vol. (yd³):

Beams Made By:

Aggregate Size (in):

* Test Beams Not Made By S. W. Cole Personnel

DELIVERY INFORMATION

Admixtures:

TEST RESULTS

Slump (in) (C-143):

Load Number:

Air Content (%) (C-231):

Mixer Number:

Air Temp (°F):

Ticket Number:

Conc. Temp (°F) (C-1064):

Cubic Yards:

Design (psi):

Beam Designation	Date Of Test	Age (days)	Location of Break "a"	Span Length	Width	Depth	Load "P" (kips)	Modulus of Rupture (psi)
560-8A	2/16/2015	7	Middle 1/3	18	6	6	10.5	875
560-8B	3/9/2015	28						



$$R = \frac{3Pa}{bd^2} = P(13.9) \text{ Break Outside of Mid 1/3}$$



$$R = \frac{PL}{bd^2} = P(83.3) \text{ Break in Mid 1/3}$$

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Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: Portland ME - 2014 Precast - Concrete Testing

Project Number: 14-0433

Client: Beachstone

Client Contract Number:

General Contractor:

Concrete Supplier:

PLACEMENT INFORMATION

Date Cast: 2/4/2015 Time Cast: Date Received: 2/5/2015

Placement Location:

Placement Method:

Placement Vol. (yd³):

Cylinders Made By:

Aggregate Size (in): 3/4

* Test Cylinders Not Made By S. W. Cole Personnel

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) Maximum (°F)

DELIVERY INFORMATION

Admixtures:

TEST RESULTS

Slump (in) (C-143):

Load Number: Batch

Air Content (%) (C-231)

Mixer Number: Arrive

Air Temp (°F):

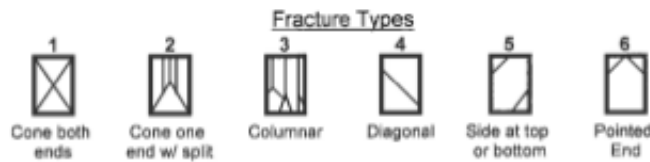
Ticket Number

Conc. Temp (°F) (C-1064):

Cubic Yards: Depart

Design (psi):

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)
560-7A	8.35	4.02	12.66	2/11/2015	Lab	7	4	25.2	1990



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