

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:

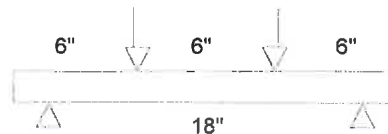
TEST RESULTS

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	3/16/2015	35	Middle 1/3	18	6	6	14.1	1175



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



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

Remarks: