



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - OCEAN GATEWAY TERMINAL - MATERIALS TESTING **Project Number:** 05-0134

Client: REED & REED, INC.

Client Contract Number:

General Contractor:

Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 1/5/2007 **Time Cast:** 8:43 **Date Received:** 1/6/2007

Placement Location: WAVE WALL

Placement Method: PUMP TRUCK

Placement Vol. (yd³): 20

Cylinders Made By: DAC

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

TEST RESULTS

Slump (in) (C-143): 3.5 **Slump WR:** 6.5

Air Content (%) (C-231): **Air WR:** 5.5

Air Temp (°F): 47

Conc. Temp (°F) (C-1064): 62

DELIVERY INFORMATION

Admixtures: MICROSILICA,
RHEOCRETE-CNI, HOT
H2O & POLYHEED 1020
HRWR

Load Number: 1

Mixer Number: 97

Ticket Number: 111446

Cubic Yards: 10

Design (psi): 5075

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)
561-40A		6.00	28.27	1/9/2007	Lab	4	4	132.0	4670
561-40B		6.00	28.27	1/12/2007	Lab	7	4	150.0	5310
561-40C		6.00	28.27	2/2/2007	Lab	28	4	182.0	6440
561-40D		6.00	28.27	2/2/2007	Lab	28	4	174.0	6150
561-40E				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: