



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: 12/14/2006 **Time Cast:** 8:50 **Date Received:** 12/15/2006

Placement Location: TERMINAL BUILDING 2ND FLOOR DECK

Placement Method: PUMP TRUCK

Placement Vol. (yd³): 130

Cylinders Made By: DAC

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: HOT H2O & POLYHEED
1020 2% POZZUTEC
20 MRWR

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5.5

Load Number: 11

Air Content (%) (C-231): **Air WR:** 1.8

Mixer Number: 115

Air Temp (°F): 43

Ticket Number: 109160

Conc. Temp (°F) (C-1064): 68

Cubic Yards: 10

Design (psi): 4000

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)
561-38A		6.00	28.27	12/18/2006	Lab	4	4	99.0	3500
561-38B		6.00	28.27	12/21/2006	Lab	7	4	119.0	4210
561-38C		6.00	28.27	1/11/2007	Lab	28	4	147.5	5220
561-38D		6.00	28.27	1/11/2007	Lab	28	4	146.5	5180
561-38E				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: