

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:** 7:55 **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:** 6.5

Load Number: 6

Air Content (%) (C-231): **Air WR:** 1.7

Mixer Number: 97

Air Temp (°F): 42

Ticket Number: 109151

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)
561-37A		6.00	28.27	12/18/2006	Lab	4	4	91.5	3240
561-37B		6.00	28.27	12/21/2006	Lab	7	4	105.5	3730
561-37C		6.00	28.27	1/11/2007	Lab	28	4	128.0	4530
561-37D		6.00	28.27	1/11/2007	Lab	28	4	128.5	4550
561-37E				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: