



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: 7/9/2007 **Time Cast:** 10:15 **Date Received:** 7/10/2007
Placement Location: CASTIN PLACE WALLS FOR RAMP @ BEGINNING OF PIER - PASSENGER WALKWAY

Placement Method: TAILGATE

Placement Vol. (yd³): 9

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POZZOLITH 100XR,
POLYHEED 1020,
RHEOCRETE CNI

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6 1/4

Load Number: 1

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

Mixer Number: 98

Air Temp (°F): 58

Ticket Number: 131183

Conc. Temp (°F) (C-1064): 73

Cubic Yards: 9

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)
561-50A		6.00	28.27	7/16/2007	Lab	7	4	147.5	5220
561-50B		6.00	28.27	8/6/2007	Lab	28	4	206.0	7290
561-50C		6.00	28.27	8/6/2007	Lab	28	4	213.5	7550
561-50D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: