

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: 7/26/2007 **Time Cast:** 10:40 **Date Received:** 7/27/2007

Placement Location: PIER PATCHES

Placement Method: CHUTE

Placement Vol. (yd³): 4

Cylinders Made By: JLD

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143):	Slump WR: 6	Load Number: 1
Air Content (%) (C-231):	Air WR: 6.6	Mixer Number: 84
Air Temp (°F): 78		Ticket Number: 132376
Conc. Temp (°F) (C-1064): 80		Cubic Yards: 4
		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)
561-52A		6.00	28.27	8/2/2007	Lab	7	4	153.0	5410
561-52B		6.00	28.27	8/23/2007	Lab	28	4	198.5	7020
561-52C		6.00	28.27	8/23/2007	Lab	28	4	184.5	6530
561-52D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: