

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: 8/2/2007 **Time Cast:** 1:00 **Date Received:** 8/3/2007

Placement Location: PIER CAPS

Placement Method: TAILGATE

Placement Vol. (yd³): 17

Cylinders Made By: JCM

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020

TEST RESULTS

Slump (in) (C-143):	Slump WR: 6	Load Number: 1
Air Content (%) (C-231):	Air WR: 6.8	Mixer Number: 96
Air Temp (°F): 86		Ticket Number: 129574
Conc. Temp (°F) (C-1064): 85		Cubic Yards: 8.5
		Design (psi): 4350

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)
561-54A		6.00	28.27	8/9/2007	Lab	7	4	131.0	4630
561-54B		6.00	28.27	8/30/2007	Lab	28	4	142.0	5020
561-54C		6.00	28.27	8/30/2007	Lab	28	4	173.0	6120
561-54D				Hold	Lab				

Fracture Types



1
Cone



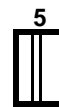
2
Cone and Split



3
Cone and Shear



4
Shear



5
Columnar

Remarks: