



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: 7/3/2007 **Time Cast:** 10:35 **Date Received:** 7/4/2007

Placement Location: TERMINAL BUILDING ELEVATOR PIT AND COLUMN BONDUCTS

Placement Method: BUCKET

Placement Vol. (yd³): 15

Cylinders Made By: JLD

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:	5	Load Number:	2
Air Content (%) (C-231):	Air WR:	5.0	Mixer Number:	106
Air Temp (°F):	69		Ticket Number:	130947
Conc. Temp (°F) (C-1064):	73		Cubic Yards:	10
			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)
561-49A		6.00	28.27	7/10/2007	Lab	7	4	129.0	4560
561-49B		6.00	28.27	7/31/2007	Lab	28	4	154.5	5470
561-49C		6.00	28.27	7/31/2007	Lab	28	4	154.5	5470
561-49D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: