

## Report of Concrete Compressive Strength

ASTM C-31 &amp; 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:** 4/25/2006 **Time Cast:** 12:00 **Date Received:** 4/26/2006

**Placement Location:** PILE CAPS; F & G

**Placement Method:** EAST END OF F AND WEST END OF G

**Placement Vol. (yd<sup>3</sup>):** 75

**Cylinders Made By:** DRT

**Aggregate Size (in):** 3/4

### INITIAL CURING CONDITIONS

#### Temperatures

**Minimum (°F)**                      **Maximum (°F)**

### DELIVERY INFORMATION

**Admixtures:** HRWR / POLYHEED 1020

### TEST RESULTS

**Slump (in) (C-143):**                      **Slump WR:** 6.75

**Load Number:** 3

**Air Content (%) (C-231):**                      **Air WR:** 6.4

**Mixer Number:** 84

**Air Temp (°F):** 50

**Ticket Number:** 103819

**Conc. Temp (°F) (C-1064):** 60

**Cubic Yards:** 10

**Design (psi):** 5075

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (In) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
561-6A		6.00	28.27	5/2/2006	Lab	7	4	168.5	5960
561-6B		6.00	28.27	5/23/2006	Lab	28	4	216.6	7660
561-6C		6.00	28.27	5/23/2006	Lab	28	4	211.8	7490
561-6D				Hold	Lab				

#### Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: