

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: 5/4/2007 **Time Cast:** 7:00 **Date Received:** 5/5/2007

Placement Location: TERMINAL BUILDING - 1ST FLOOR SLAB

Placement Method: PUMP

Placement Vol. (yd³): 90

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020,
POZZUTE 20+ 1%

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5.25

Load Number: 3

Air Content (%) (C-231): **Air WR:** 2.3

Mixer Number: 117

Air Temp (°F): 45

Ticket Number: 1424595

Conc. Temp (°F) (C-1064): 59

Cubic Yards: 10

Design (psi): 4000

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)
561-44A		6.00	28.27	5/11/2007	Lab	7	4	121.5	4300
561-44B		6.00	28.27	6/1/2007	Lab	28	5	162.0	5730
561-44C		6.00	28.27	6/1/2007	Lab	28	4	148.0	5240
561-44D				Hold	Lab				

Fracture Types



Cone



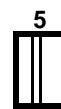
Cone and Split



Cone and Shear



Shear



Columnar

Remarks: