

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:** 8:00 **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,
POZZUTEC 20 + 1%

TEST RESULTS

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

Load Number: 7

Air Content (%) (C-231): **Air WR:** 3.0

Mixer Number: 76

Air Temp (°F): 45

Ticket Number: 124603

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)
561-45A		6.00	28.27	5/11/2007	Lab	7	4	126.0	4460
561-45B		6.00	28.27	6/1/2007	Lab	28	4	170.5	6030
561-45C		6.00	28.27	6/1/2007	Lab	28	4	165.0	5840
561-45D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: