



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: 9/8/2006 **Time Cast:** 9:35 **Date Received:** 9/9/2006

Placement Location: BUILDING SLAB

Placement Method: PUMP

Placement Vol. (yd³): 290

Cylinders Made By: DMR

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

TEST RESULTS

Slump (in) (C-143): 5 **Slump WR:** 8

Air Content (%) (C-231): **Air WR:** 8.4

Air Temp (°F):

Conc. Temp (°F) (C-1064): 75

DELIVERY INFORMATION

Admixtures: POZZOLITH 100XR,
POLYHEED 1020,
MICROSILICA,
RHEOCRETE

Load Number: 28

Mixer Number: 95

Ticket Number: 107851

Cubic Yards: 10

Design (psi): 5075

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)
561-28A		6.00	28.27	9/15/2006	Lab	7	4	145.0	5130
561-28B		6.00	28.27	10/6/2006	Lab	28	4	185.0	6540
561-28C		6.00	28.27	10/6/2006	Lab	28	4	176.5	6240
561-28D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: