



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:** 6:00 **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): 5.5 **Slump WR:** 8

Air Content (%) (C-231): 7.4 **Air WR:** 5.5

Air Temp (°F):

Conc. Temp (°F) (C-1064): 71

DELIVERY INFORMATION

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

Load Number: 5

Mixer Number: 119

Ticket Number: 107825

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)
561-23A		6.00	28.27	9/15/2006	Lab	7	4	171.5	6070
561-23B		6.00	28.27	10/6/2006	Lab	28	4	206.0	7290
561-23C		6.00	28.27	10/6/2006	Lab	28	4	197.0	6970
561-23D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: