

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: 10/5/2006 **Time Cast:** **Date Received:** 10/6/2006

Placement Location: RECEIVING BUILDING SLAB ON GRADE

Placement Method: PUMP

Placement Vol. (yd³): 71

Cylinders Made By: PJO

Aggregate Size (in): 57 STONE

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POZZUTEC/POLYHEED 1020

TEST RESULTS

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

Load Number: 2

Air Content (%) (C-231): **Air WR:** 3.4

Mixer Number: 106

Air Temp (°F): 50

Ticket Number: 115848

Conc. Temp (°F) (C-1064): 65

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)
561-31A		6.00	28.27	10/12/2006	Lab	7	4	78.5	2780
561-31B		6.00	28.27	11/2/2006	Lab	28	4	109.5	3870
561-31C		6.00	28.27	11/2/2006	Lab	28	4	117.0	4140
561-31D		6.00	28.27	11/30/2006	Lab	56	4	122.0	4320

Fracture Types



1
Cone



2
Cone and Split



3
Cone and Shear



4
Shear



5
Columnar

Remarks: