



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: 7/25/2006 **Time Cast:** 3:40 **Date Received:** 7/26/2006

Placement Location: ANCHOR BOLTS ON A/16 & A/15

Placement Method: TAILGATE

Placement Vol. (yd³): 1

Cylinders Made By: DAC

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6.5

Load Number: 1

Air Content (%) (C-231): **Air WR:** 6.9

Mixer Number: 106

Air Temp (°F): 78

Ticket Number: 101617

Conc. Temp (°F) (C-1064): 75

Cubic Yards: 1

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)
561-16A		6.00	28.27	7/29/2006	Lab	4	4	93.5	3310
561-16B		6.00	28.27	8/1/2006	Lab	7	4	98.0	3470
561-16C		6.00	28.27	8/22/2006	Lab	28	4	122.0	4320
561-16D		6.00	28.27	8/22/2006	Lab	28	4	118.0	4170
561-16E				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: