

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:** 9:30 **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: 8

Air Content (%) (C-231):

Mixer Number: 83

Air Temp (°F): 50

Ticket Number: 115859

Conc. Temp (°F) (C-1064): 64

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) |
|----------------------|-----------------------|------------------------|---------------------------------------|--------------|-----------|------------|---------------|-------------|----------------|
| 561-32A | | 6.00 | 28.27 | 10/12/2006 | Lab | 7 | 4 | 98.5 | 3480 |
| 561-32B | | 6.00 | 28.27 | 11/2/2006 | Lab | 28 | 4 | 124.5 | 4400 |
| 561-32C | | 6.00 | 28.27 | 11/2/2006 | Lab | 28 | 4 | 127.0 | 4490 |
| 561-32D | | | | Hold | Lab | | | | |

Fracture Types



1
Cone



2
Cone and Split



3
Cone and Shear



4
Shear



5
Columnar

Remarks: