

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - FORE RIVER SHORT STAY HOSPITAL
 PROJECT - MATERIALS TESTING / SPECIAL

Project Number: 06-1069.1

Client: MERCY HOSPITAL

Client Contract Number:
General Contractor:
Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 5/8/2007 **Time Cast:** **Date Received:** 5/9/2007

Placement Location: 5TH FLOOR INTERIOR DECK SLAB

Placement Method: PUMP

Placement Vol. (yd³): 200

Cylinders Made By: SEB

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6.0

Load Number: 11

Air Content (%) (C-231):
Mixer Number: 190

Air Temp (°F): 48

Ticket Number: 4526329

Conc. Temp (°F) (C-1064): 62

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) |
|----------------------|-----------------------|------------------------|---------------------------------------|--------------|-----------|------------|---------------|-------------|----------------|
| 702-72A | | 6.00 | 28.27 | 5/15/2007 | Lab | 7 | 4 | 127.5 | 4510 |
| 702-72B | | 6.00 | 28.27 | 6/5/2007 | Lab | 28 | 4 | 155.5 | 5500 |
| 702-72C | | 6.00 | 28.27 | 6/5/2007 | Lab | 28 | 4 | 149.0 | 5270 |
| 702-72D | | | | Hold | Lab | | | | |

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: