

## Report of Concrete Compressive Strength

ASTM C-31 &amp; 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:** GILBANE/CCB

**Concrete Supplier:** DRAGON PRODUCTS

### PLACEMENT INFORMATION

**Date Cast:** 5/29/2007      **Time Cast:** 8:30      **Date Received:**  
**Placement Location:** 4TH FLOOR-WEST SIDE SLAB ON DECK: BETWEEN LINES A TO H AND 3 TO 4.7  
**Placement Method:** PUMP TRUCK      **Placement Vol. (yd<sup>3</sup>):** 220  
**Cylinders Made By:** VLT      **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      **Load Number:** 6  
**Air Content (%) (C-231):**      **Air WR:** 2.9      **Mixer Number:** 172  
**Air Temp (°F):** 65      **Ticket Number:** 4526684  
**Conc. Temp (°F) (C-1064):** 70      **Cubic Yards:** 10  
**Design (psi):** 4000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
702-82A		6.00	28.27	6/5/2007	Lab	7	4	117.0	4140
702-82B		6.00	28.27	6/26/2007	Lab	28	4	138.5	4900
702-82C		6.00	28.27	6/26/2007	Lab	28	4	138.5	4900
702-82D				Hold	Lab				

#### Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: