

## 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:**
**Concrete Supplier:** DRAGON PRODUCTS

### PLACEMENT INFORMATION

**Date Cast:** 6/6/2007      **Time Cast:** 9:15      **Date Received:** 6/7/2007

**Placement Location:** 5TH FLOOR DECK

**Placement Method:** PUMP

**Placement Vol. (yd<sup>3</sup>):** 340

**Cylinders Made By:** VLT

**Aggregate Size (in):** 3/4

### INITIAL CURING CONDITIONS

#### Temperatures

**Minimum (°F)**                      **Maximum (°F)**

### DELIVERY INFORMATION

**Admixtures:** POLYHEED 997

### TEST RESULTS

<b>Slump (in) (C-143):</b>	<b>Slump WR:</b> 6	<b>Load Number:</b> 11
<b>Air Content (%) (C-231):</b>	<b>Air WR:</b> 2.4	<b>Mixer Number:</b> 192
<b>Air Temp (°F):</b> 60		<b>Ticket Number:</b> 4526797
<b>Conc. Temp (°F) (C-1064):</b> 68		<b>Cubic Yards:</b> 10
		<b>Design (psi):</b> 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)
702-87A		6.00	28.27	6/13/2007	Lab	7	4	96.5	3410
702-87B		6.00	28.27	7/4/2007	Lab	28	4	129.0	4560
702-87C		6.00	28.27	7/4/2007	Lab	28	4	126.5	4480
702-87D				Hold	Lab				

#### Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: