

## 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:** 4/24/2007      **Time Cast:** 6:45      **Date Received:** 4/25/2007

**Placement Location:** 3RD FLOOR DECK

**Placement Method:** PUMP

**Placement Vol. (yd<sup>3</sup>):** 240

**Cylinders Made By:** VLT

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

### INITIAL CURING CONDITIONS

#### Temperatures

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

### DELIVERY INFORMATION

**Admixtures:** POLYHEED 997,  
 POZZUTEC 20 1%

### TEST RESULTS

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

**Load Number:** 2

**Air Content (%) (C-231):**                      **Air WR:** 2.3

**Mixer Number:** 180

**Air Temp (°F):** 60

**Ticket Number:** 4526038

**Conc. Temp (°F) (C-1064):** 68

**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)
702-60A		6.00	28.27	5/1/2007	Lab	7	4	106.5	3770
702-60B		6.00	28.27	5/22/2007	Lab	28	4	130.5	4620
702-60C		6.00	28.27	5/22/2007	Lab	28	4	131.5	4650
702-60D				Hold	Lab				

#### Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: