

## 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:** 4/11/2007      **Time Cast:** 10:00      **Date Received:** 4/12/2007

**Placement Location:** 3RD FLOOR SLAB - RIGHT HALF

**Placement Method:** PUMP TRUCK

**Placement Vol. (yd<sup>3</sup>):** 260

**Cylinders Made By:** JCM

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

### INITIAL CURING CONDITIONS

#### Temperatures

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

### DELIVERY INFORMATION

**Admixtures:** PIOZZUTEC 20 2%  
 POLYHEED 997

### TEST RESULTS

**Slump (in) (C-143):** 7  
**Air Content (%) (C-231):**                      **Air WR:** 2.1  
**Air Temp (°F):** 36  
**Conc. Temp (°F) (C-1064):** 52

**Load Number:** 12  
**Mixer Number:** 172  
**Ticket Number:** 4525843  
**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)
702-52A		6.00	28.27	4/18/2007	Lab	7	4	112.5	3980
702-52B				5/9/2007	Lab	28			
702-52C				5/9/2007	Lab	28			
702-52D				Hold	Lab				

#### Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: