

## 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:** 3/30/2007      **Time Cast:** 8:05      **Date Received:** 3/31/2007

**Placement Location:** 2ND FLOOR INTERIOR DECK SLAB A TO H LINE & 2 TO 3 LINE

**Placement Method:** PUMP

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

**Cylinders Made By:** SEB

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

### INITIAL CURING CONDITIONS

#### Temperatures

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

### DELIVERY INFORMATION

**Admixtures:** POLYHEED

### TEST RESULTS

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

**Load Number:** 3

**Air Content (%) (C-231):**                      **Air WR:** 2.1

**Mixer Number:** 173

**Air Temp (°F):** 33

**Ticket Number:** 4525694

**Conc. Temp (°F) (C-1064):** 65

**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)
702-45A		6.00	28.27	4/6/2007	Lab	7	4	104.0	3680
702-45B				4/27/2007	Lab	28			
702-45C				4/27/2007	Lab	28			
702-45D				Hold	Lab				

#### Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: