

## 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:** 4/20/2007      **Time Cast:** 12:15      **Date Received:** 4/21/2007

**Placement Location:** 2ND FLOOR LEFT HALF

**Placement Method:** PUMP TRUCK

**Placement Vol. (yd<sup>3</sup>):** 265

**Cylinders Made By:** JCM

**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):** 6.5

**Load Number:** 24

**Air Content (%) (C-231):** 2.2

**Mixer Number:** 190

**Air Temp (°F):** 68

**Ticket Number:** 4525994

**Conc. Temp (°F) (C-1064):** 54

**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)
702-59A		6.00	28.27	4/27/2007	Lab	7	5	108.5	3840
702-59B		6.00	28.27	5/18/2007	Lab	28	4	156.5	5540
702-59C		6.00	28.27	5/18/2007	Lab	28	4	148.0	5240
702-59D				Hold	Lab				

#### Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: