

## 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:** 5/1/2007      **Time Cast:** 11:15      **Date Received:** 5/2/2007

**Placement Location:** 3RD FLOOR DECK - WEST HALF

**Placement Method:** PUMP

**Placement Vol. (yd<sup>3</sup>):** 270

**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:** 6.75

**Load Number:** 18

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

**Mixer Number:** 190

**Air Temp (°F):** 55

**Ticket Number:** 4526225

**Conc. Temp (°F) (C-1064):** 59

**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)
702-68A		6.00	28.27	5/7/2007	Lab	6	4	109.5	3870
702-68B		6.00	28.27	5/8/2007	Lab	7	4	114.5	4050
702-68C		6.00	28.27	5/16/2007	Lab	15	4	129.0	4560
702-68D		6.00	28.27	5/29/2007	Lab	28	4	152.0	5380
702-68E		6.00	28.27	5/29/2007	Lab	28	4	151.0	5340
702-68F				Hold	Lab				

#### Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: