

## 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:** 3/13/2007      **Time Cast:** 8:45      **Date Received:** 3/14/2007

**Placement Location:** 1ST FLOOR DECK SLAB HALF LINE 3 TO 5

**Placement Method:** PUMP

**Placement Vol. (yd<sup>3</sup>):** 250

**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:** 7

**Air Content (%) (C-231):**                      **Air WR:** 2.4

**Mixer Number:** 187

**Air Temp (°F):**
**Ticket Number:** 4525420

**Conc. Temp (°F) (C-1064):** 57

**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) |
|----------------------|-----------------------|------------------------|----------------------------------------|--------------|-----------|------------|---------------|-------------|----------------|
| 702-41A              |                       | 6.00                   | 28.27                                  | 3/20/2007    | Lab       | 7          | 4             | 117.5       | 4160           |
| 702-41B              |                       |                        |                                        | 4/10/2007    | Lab       | 28         |               |             |                |
| 702-41C              |                       |                        |                                        | 4/10/2007    | Lab       | 28         |               |             |                |
| 702-41D              |                       |                        |                                        | Hold         | Lab       |            |               |             |                |

#### Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: