

Report of Concrete Compressive Strength

ASTM C-31 & 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: 5/23/2007 **Time Cast:** 6:45 **Date Received:** 5/24/2007

Placement Location: BASEMENT FLOOR SLAB ON GRADE LINES 1-5, H-E

Placement Method:
Placement Vol. (yd³): 140

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:** 6.50

Load Number: 2

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

Mixer Number: 176

Air Temp (°F): 45

Ticket Number: 4526553

Conc. Temp (°F) (C-1064): 61

Cubic Yards: 10

Design (psi): 4000

| Cylinder Designation | Cylinder Weight (lbs) | Cylinder Diameter (in) | Cross Sectional Area(In) ² | Date Of Test | Cure Type | Age (days) | Fracture Type | Load (kips) | Strength (psi) |
|----------------------|-----------------------|------------------------|---------------------------------------|--------------|-----------|------------|---------------|-------------|----------------|
| 702-78A | | 6.00 | 28.27 | 5/30/2007 | Lab | 7 | 4 | 105.0 | 3710 |
| 702-78B | | 6.00 | 28.27 | 6/20/2007 | Lab | 28 | 4 | 145.0 | 5130 |
| 702-78C | | 6.00 | 28.27 | 6/20/2007 | Lab | 28 | 4 | 145.0 | 5130 |
| 702-78D | | | | Hold | Lab | | | | |

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: