

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: DAYTON

PLACEMENT INFORMATION

Date Cast: 10/17/2007 **Time Cast:** 8:40 **Date Received:** 10/18/2007

Placement Location: ENTRY WAY SIDEWALK

Placement Method: TAILGATE

Placement Vol. (yd³): 4

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: FIBERMESH/SUPER

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5

Load Number: 1

Air Content (%) (C-231): **Air WR:** 60

Mixer Number: 603

Air Temp (°F): 40

Ticket Number: 103356

Conc. Temp (°F) (C-1064): 72

Cubic Yards: 4

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) |
|----------------------|-----------------------|------------------------|---------------------------------------|--------------|-----------|------------|---------------|-------------|----------------|
| 702-99A | | 6.00 | 28.27 | 10/24/2007 | Lab | 7 | 4 | 79.5 | 2810 |
| 702-99B | | 6.00 | 28.27 | 11/14/2007 | Lab | 28 | 4 | 112.5 | 3980 |
| 702-99C | | 6.00 | 28.27 | 11/14/2007 | Lab | 28 | 4 | 103.5 | 3660 |
| 702-99D | | 6.00 | 28.27 | 12/12/2007 | Lab | 56 | 4 | 103.0 | 3640 |

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: