

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: 5/14/2008 **Time Cast:** 2:00 **Date Received:** 5/16/2008

Placement Location: SIDEWALKS - SHORT STAY

Placement Method: TAILGATE

Placement Vol. (yd³):
Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: FIBERMESH

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 4

Load Number: 1

Air Content (%) (C-231): **Air WR:** 5.9

Mixer Number: 620

Air Temp (°F): 70

Ticket Number: 106261

Conc. Temp (°F) (C-1064): 71

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)
702-102A		6.00	28.27	5/21/2008	Lab	7	4	78.0	2760
702-102B		6.00	28.27	6/11/2008	Lab	28	4	107.0	3790
702-102C		6.00	28.27	6/11/2008	Lab	28	4	103.0	3640
702-102D				7/9/2008	Lab	56			

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: