

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				12/12/2007	Lab	56			

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: