

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: 10/18/2007 **Time Cast:** 8:55 **Date Received:** 10/19/2007

Placement Location: APRONS - SOUTH SIDE MAIN ENTRANCE

Placement Method: PUMP

Placement Vol. (yd³): 30

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: SUPER

TEST RESULTS

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

Load Number: 2

Air Content (%) (C-231): **Air WR:** 4.5

Mixer Number: 608

Air Temp (°F): 52

Ticket Number: 103395

Conc. Temp (°F) (C-1064): 73

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)
702-100A		6.00	28.27	10/25/2007	Lab	7	4	100.0	3540
702-100B		6.00	28.27	11/15/2007	Lab	28	4	116.0	4100
702-100C		6.00	28.27	11/15/2007	Lab	28	4	122.0	4320
702-100D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: