

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: 10/16/2007 **Time Cast:** 11:00 **Date Received:** 10/17/2007

Placement Location: SIDEWALKS BACK ENTRYWAY

Placement Method: TAILGATE

Placement Vol. (yd³): 8.5

Cylinders Made By: DMR

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: DARACEM 65 & FIBERS

TEST RESULTS

Slump (in) (C-143): 4.5

Load Number: 1

Air Content (%) (C-231): 5.2

Mixer Number: 602

Air Temp (°F): 45

Ticket Number: 103325

Conc. Temp (°F) (C-1064): 60

Cubic Yards: 8.5

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)
702-98A		6.00	28.27	10/23/2007	Lab	7	4	90.0	3180
702-98B		6.00	28.27	11/13/2007	Lab	28	4	125.5	4440
702-98C		6.00	28.27	11/13/2007	Lab	28	4	131.5	4650
702-98D				Hold	Lab				

Fracture Types



Cone



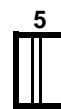
Cone and Split



Cone and Shear



Shear



Columnar

Remarks: