

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: 8/3/2007 **Time Cast:** 8:05

Date Received: 8/4/2007

Placement Location: OIL TANK SLAB

Placement Method: TAILGATE INTO PUMP TRUCK

Placement Vol. (yd³): 27

Cylinders Made By: PEC

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: DARACEM 65

TEST RESULTS

Slump (in) (C-143): 5.0

Load Number: 2

Air Content (%) (C-231): 5.1

Mixer Number: 620

Air Temp (°F): 80

Ticket Number: 101826

Conc. Temp (°F) (C-1064): 84

Cubic Yards: 9

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)
702-97A		6.00	28.27	8/10/2007	Lab	7	4	97.5	3450
702-97B		6.00	28.27	8/31/2007	Lab	28	4	131.5	4650
702-97C		6.00	28.27	8/31/2007	Lab	28	4	129.0	4560
702-97D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: