

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: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 4/20/2007 **Time Cast:** 10:30 **Date Received:** 4/21/2007

Placement Location: 2ND FLOOR LEFT HALF

Placement Method: PUMP TRUCK

Placement Vol. (yd³): 265

Cylinders Made By: JCM

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997 /
 POZZUTEC 20 1%

TEST RESULTS

Slump (in) (C-143): 6

Load Number: 15

Air Content (%) (C-231): 2.0

Mixer Number: 179

Air Temp (°F): 61

Ticket Number: 4525981

Conc. Temp (°F) (C-1064): 58

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)
702-57A		6.00	28.27	4/27/2007	Lab	7	5	102.5	3630
702-57B		6.00	28.27	5/18/2007	Lab	28	4	146.0	5160
702-57C		6.00	28.27	5/18/2007	Lab	28	4	137.5	4860
702-57D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: