

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:** 11:20 **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): 7

Load Number: 19

Air Content (%) (C-231): 2.1

Mixer Number: 156

Air Temp (°F): 61

Ticket Number: 4525989

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)
702-58A		6.00	28.27	4/27/2007	Lab	7	4	105.5	3730
702-58B		6.00	28.27	5/18/2007	Lab	28	4	143.0	5060
702-58C		6.00	28.27	5/18/2007	Lab	28	4	141.5	5010
702-58D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: