

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: 4/11/2007 **Time Cast:** 10:00

Date Received: 4/12/2007

Placement Location: 3RD FLOOR SLAB - RIGHT HALF

Placement Method: PUMP TRUCK

Placement Vol. (yd³): 260

Cylinders Made By: JCM

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: PIOZZUTEC 20 2%
 POLYHEED 997

TEST RESULTS

Slump (in) (C-143): 7

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

Air Temp (°F): 36

Conc. Temp (°F) (C-1064): 52

Load Number: 12

Mixer Number: 172

Ticket Number: 4525843

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)
702-52A		6.00	28.27	4/18/2007	Lab	7	4	112.5	3980
702-52B		6.00	28.27	5/9/2007	Lab	28	4	140.0	4950
702-52C		6.00	28.27	5/9/2007	Lab	28	4	146.0	5160
702-52D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: