

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:** 9:20

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: POZZUTEC 20 2% /
 POLYHEED 997

TEST RESULTS

Slump (in) (C-143): 6.5

Load Number: 8

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

Mixer Number: 192

Air Temp (°F): 33

Ticket Number: 4525837

Conc. Temp (°F) (C-1064): 51

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)
702-51A		6.00	28.27	4/18/2007	Lab	7	4	117.5	4160
702-51B		6.00	28.27	5/9/2007	Lab	28	4	149.5	5290
702-51C		6.00	28.27	5/9/2007	Lab	28	4	140.5	4970
702-51D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: