

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: 5/1/2007 **Time Cast:** 10:20 **Date Received:** 5/2/2007

Placement Location: 3RD FLOOR DECK - WEST HALF

Placement Method: PUMP

Placement Vol. (yd³): 270

Cylinders Made By: VLT

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): **Slump WR:** 6.5

Load Number: 14

Air Content (%) (C-231): **Air WR:** 1.8

Mixer Number: 175

Air Temp (°F): 55

Ticket Number: 4526219

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)
702-67A		6.00	28.27	5/7/2007	Lab	6	4	111.5	3940
702-67B		6.00	28.27	5/8/2007	Lab	7	4	121.0	4280
702-67C		6.00	28.27	5/16/2007	Lab	15	4	147.0	5200
702-67D		6.00	28.27	5/29/2007	Lab	28	4	164.0	5800
702-67E		6.00	28.27	5/29/2007	Lab	28	4	152.0	5380
702-67F				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: