

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:** 11:15 **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:** 6.75

Load Number: 18

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

Mixer Number: 190

Air Temp (°F): 55

Ticket Number: 4526225

Conc. Temp (°F) (C-1064): 59

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)
702-68A		6.00	28.27	5/7/2007	Lab	6	4	109.5	3870
702-68B		6.00	28.27	5/8/2007	Lab	7	4	114.5	4050
702-68C		6.00	28.27	5/16/2007	Lab	15	4	129.0	4560
702-68D				5/29/2007	Lab	28			
702-68E				5/29/2007	Lab	28			
702-68F				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: