

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: 3/10/2007 **Time Cast:** 8:45 **Date Received:** 3/12/2007

Placement Location: DEPRESSED SLAB - ARCADE AREA

Placement Method: PUMP

Placement Vol. (yd³): 35

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5.75

Load Number: 2

Air Content (%) (C-231): **Air WR:** 7.5

Mixer Number: 192

Air Temp (°F): 33

Ticket Number: 45253863

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)
702-39A		6.00	28.27	3/17/2007	Lab	7	4	91.0	3220
702-39B		6.00	28.27	4/7/2007	Lab	28	4	103.0	3640
702-39C		6.00	28.27	4/7/2007	Lab	28	4	104.0	3680
702-39D		6.00	28.27	5/5/2007	Lab	56	4	118.0	4170

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: