

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: 6/6/2007 **Time Cast:** 11:55 **Date Received:** 6/7/2007

Placement Location: 5TH FLOOR DECK

Placement Method: PUMP

Placement Vol. (yd³): 340

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:** 6.75

Load Number: 29

Air Content (%) (C-231): **Air WR:** 1.6

Mixer Number: 190

Air Temp (°F): 75

Ticket Number: 3927885

Conc. Temp (°F) (C-1064): 70

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)
702-90A		6.00	28.27	6/13/2007	Lab	7	4	97.0	3430
702-90B		6.00	28.27	7/4/2007	Lab	28	4	125.0	4420
702-90C		6.00	28.27	7/4/2007	Lab	28	4	124.0	4390
702-90D				Hold	Lab				

Fracture Types



Cone



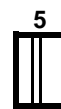
Cone and Split



Cone and Shear



Shear



Columnar

Remarks: