

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: 6/26/2007 **Time Cast:** 12:45 **Date Received:** 6/27/2007

Placement Location: PERIMETER CURBING & HOUSKEEPING PAD: 5TH FLOOR

Placement Method: PUMP TO BUGGY

Placement Vol. (yd³): 50

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:** 5.5

Load Number: 5

Air Content (%) (C-231): **Air WR:** 2.7

Mixer Number: 170

Air Temp (°F): 95

Ticket Number: 4527133

Conc. Temp (°F) (C-1064): 81

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)
702-95A		6.00	28.27	7/3/2007	Lab	7	4	104.0	3680
702-95B		6.00	28.27	7/24/2007	Lab	28	4	124.0	4390
702-95C		6.00	28.27	7/24/2007	Lab	28	4	128.0	4530
702-95D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: