

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: GILBANE/CCB

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 5/29/2007 **Time Cast:** 9:30 **Date Received:**
Placement Location: 4TH FLOOR-WEST SIDE SLAB ON DECK: BETWEEN LINES A TO H AND 3 TO 4.7
Placement Method: PUMP TRUCK **Placement Vol. (yd³):** 220
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 3/4 **Load Number:** 11
Air Content (%) (C-231): **Air WR:** 2.9 **Mixer Number:** 169
Air Temp (°F): 70 **Ticket Number:** 4526690
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)
702-83A		6.00	28.27	6/5/2007	Lab	7	4	112.5	3980
702-83B		6.00	28.27	6/26/2007	Lab	28	4	137.0	4850
702-83C		6.00	28.27	6/26/2007	Lab	28	4	141.0	4990
702-83D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: