

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: 5/21/2007 **Time Cast:** 11:23 **Date Received:** 5/22/2007

Placement Location: SLAB BASEMENT FLOOR

Placement Method: PUMP

Placement Vol. (yd³): 250

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: 24

Air Content (%) (C-231): **Air WR:** 2.9

Mixer Number: 178

Air Temp (°F): 69

Ticket Number: 4526519

Conc. Temp (°F) (C-1064): 62

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)
702-77A		6.00	28.27	5/28/2007	Lab	7	4	115.5	4090
702-77B		6.00	28.27	6/18/2007	Lab	28	4	145.0	5130
702-77C		6.00	28.27	6/18/2007	Lab	28	4	150.0	5310
702-77D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: