



# Report of Concrete Compressive Strength

ASTM C-31 & C-39

**Project Name:** PORTLAND ME - RESIDENCE INN BY MARRIOTT - MATERIALS TESTING

**Project Number:** 06-0726.2

**Client:** CHAPIN REALTY, LLC

**Client Contract Number:**

**General Contractor:**

**Concrete Supplier:** DRAGON PRODUCTS

## PLACEMENT INFORMATION

**Date Cast:** 9/3/2008      **Time Cast:** 9:54      **Date Received:** 9/5/2008  
**Placement Location:** SLAB ON GRADE  
**Placement Method:** PUMP\*      **Placement Vol. (yd<sup>3</sup>):** 235  
**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:** 11  
**Air Content (%) (C-231):**      **Air WR:** 2.0      **Mixer Number:** 192  
**Air Temp (°F):** 64      **Ticket Number:** 4530840  
**Conc. Temp (°F) (C-1064):** 75      **Cubic Yards:** 10  
**Design (psi):** 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
851-26A		6.00	28.27	9/10/2008	Lab	7	4	93.5	3310
851-26B				10/1/2008	Lab	28			
851-26C				10/1/2008	Lab	28			
851-26D				Hold	Lab				

### Fracture Types



1  
Cone



2  
Cone and Split



3  
Cone and Shear



4  
Shear



5  
Columnar

Remarks: \* NORTHEAST CONCRETE PUMPING