

## 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:** 6/27/2008      **Time Cast:** 12:38      **Date Received:** 6/30/2008

**Placement Location:** LINE 33: DUMPSTER WALL  
 LINE 33: PROPERTY BOUNDRY - COLUMN 14 ON A-LINE

**Placement Method:** TAILGATE      **Placement Vol. (yd<sup>3</sup>):** 40

**Cylinders Made By:** BZM      **Aggregate Size (in):** 3/4

### INITIAL CURING CONDITIONS

**Temperatures**

**Minimum (°F)**      **Maximum (°F)**

### DELIVERY INFORMATION

**Admixtures:** POLYHEED 997

### TEST RESULTS

<b>Slump (in) (C-143):</b>	<b>Slump WR:</b> 5	<b>Load Number:</b> 2
<b>Air Content (%) (C-231):</b>	<b>Air WR:</b> 4.6	<b>Mixer Number:</b> 185
<b>Air Temp (°F):</b> 76		<b>Ticket Number:</b> 4529790
<b>Conc. Temp (°F) (C-1064):</b> 80		<b>Cubic Yards:</b> 10
		<b>Design (psi):</b> 4000

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)
851-18A		6.00	28.27	7/7/2008	Lab	10	4	120.0	4250
851-18B		6.00	28.27	7/25/2008	Lab	28	4	146.5	5180
851-18C		6.00	28.27	7/25/2008	Lab	28	4	146.0	5160
851-18D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: