

## Report of Concrete Compressive Strength

ASTM C-31 &amp; 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:** 5/19/2008      **Time Cast:** 2:15      **Date Received:** 5/21/2008

**Placement Location:** PILE CAPS - V-28, R-28

**Placement Method:** TAILGATE

**Placement Vol. (yd<sup>3</sup>):** 7.5

**Cylinders Made By:** VLT

**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> 1
<b>Air Content (%) (C-231):</b>	<b>Air WR:</b> 6.6	<b>Mixer Number:</b> 170
<b>Air Temp (°F):</b> 62		<b>Ticket Number:</b> 4529075
<b>Conc. Temp (°F) (C-1064):</b> 68		<b>Cubic Yards:</b> 7.5
		<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)
851-7A		6.00	28.27	5/26/2008	Lab	7	4	119.0	<b>4210</b>
851-7B				6/16/2008	Lab	28			
851-7C				6/16/2008	Lab	28			
851-7D				Hold	Lab				

#### Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: