



GEOTECHNICAL ▼ ENVIRONMENTAL ▼ INSPECTIONS ▼ TESTING

## REPORT OF CONCRETE FIELD & LABORATORY TESTING

**CLIENT:** Old Dominion Freight Lines  
500 Old Dominion Way  
Thomasville, NC. 27360  
Attn: Philip Danner

**PROJECT:** Old Dominion Building Expansion  
185 Rand Road  
Portland, ME

**DATE:** October 14, 2014 **REPORT #:** 14-55-00014-018

**General Location:** Propane Tank Pad  
**Date Cast:** 09/16/14  
**Field Rep:** Spencer Weston  
**Contractor:** Lajoie Brothers  
**Supplier:** Auburn Concrete  
**Admixtures:** MRWR  
**Air Temp:** 55°F  
**Weather:** Rain  
**Nominal size of Aggr:** 3/4"

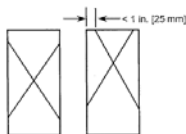
### FIELD TEST RESULTS

Ticket #/ #CYL*	ASTM C143 SLUMP TEST	ASTM C231 AIR CONTENT	ASTM C1064 TEMPERATURE °F	ELAPSED TIME Batch : Final Discharge
253814 / 5 cyls	5.0"	7.0%	64°F	11:00-n/a

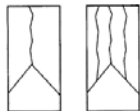
\*Specimens molded in accordance with ASTM C31

### LABORATORY COMPRESSIVE STRENGTH TESTING ASTM C39

Date of Test	Age	Specimen Area (in <sup>2</sup> )	PSI	Break Type
09/23/14	7	12.56 <sup>2</sup>	3750	2
10/14/14	28	12.56 <sup>2</sup>	4560	2
10/14/14	28	12.56 <sup>2</sup>	4490	2
10/14/14	28	12.56 <sup>2</sup>	4340	2
-	Hold	12.56 <sup>2</sup>		



Type 1  
Reasonably well-formed  
cones on both ends, less  
than 1 in. [25 mm] of  
cracking through caps



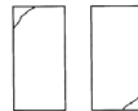
Type 2  
Well-formed cone on one  
end, vertical cracks running  
through caps, no well-  
defined cone on other end



Type 3  
Columnar vertical cracking  
through both ends, no well-  
formed cones



Type 4  
Diagonal fracture with no  
cracking through ends;  
tap with hammer to  
distinguish from Type 1



Type 5  
Side fractures at top or  
bottom (occur commonly  
with unbonded caps)



Type 6  
Similar to Type 5 but end  
of cylinder is pointed

**Specific Sample Location:** Southeast corner of pad  
**Yards placed:** 8.0 yards  
**Design Strength:** 3000 PSI  
**Remarks:**