



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 15, 2014 **REPORT #:** 14-55-00014-019

General Location: Dock ramp, ramp landing slab, propane pad exit gate flume
Date Cast: 9/17/14
Field Rep: Nickolas Brown
Contractor: DL Chase
Supplier: Auburn Concrete
Admixtures: Masterair, masglenium
Air Temp: 64°F
Weather: Sun
Nominal size of Aggr: 3/4"

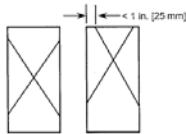
FIELD TEST RESULTS

Ticket #/ #CYL*	ASTM C143 SLUMP TEST	ASTM C231 AIR CONTENT	ASTM C1064 TEMPERATURE °F	ELAPSED TIME Batch : Final Discharge
253877	6.0"	7.25%	78°F	1:26-2:49/83 mins
253877 / 5 cyls	5.75"	6.75%	79°F	1:26-2:49/83 mins
253882	-	4.5%	80°F	1:52-3:16/84 mins

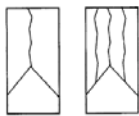
*Specimens molded in accordance with ASTM C31

LABORATORY COMPRESSIVE STRENGTH TESTING ASTM C39

Date of Test	Age	Specimen Area (in ²)	PSI	Break Type
09/29/14	12	12.56 ²	4100	2
10/15/14	28	12.56 ²	4530	2
10/15/14	28	12.56 ²	4300	2
10/15/14	28	12.56 ²	4510	2
-	Hold	12.56 ²		



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



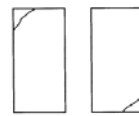
Type 2
Well-formed cone on one end, vertical cracks running through caps, no well-defined cone on other end



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 unbanded caps)



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

Specific Sample: Ramp landing slab
Yards placed: 15.0 yards
Design Strength: 4000 PSI
Remarks: