



Consulting Engineers
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FIELD / LAB TEST DATA - COMPRESSIVE STRENGTH ANALYSIS

☒ CONCRETE CYLINDER ☐ MASONRY GROUT CYLINDER ☐ FLOW FILL CYLINDER

☐ MASONRY GROUT CUBE ☐ CEMENT CUBE ☐ CONCRETE PRISM ☐ GROUT PRISM

Sample Date: 6-1-15
Project Name: Lerman Building
Project Number: 7131-74230.01
Client: Rudin Lerman

Technician: B. H. Heckard
Project Set No. 2 Daily Set No. 1
Submitted to Lab By: _____ Date: _____
Testing Requested By: Jeff Everett

set A

Concrete Supplier: United Companies Truck#: 31025357 Ticket#: _____

Mix Identification#: 36010356 Batch size: 10 cubic yards Batch Time: 5:25 Sample Time: 7:00

Time in Mixer 1 hours 35 minutes Water Added Before Sampling: 0 gallons Ambient Air Temp. (°F): 54

Maximum Size Aggregate: 3/4 inches Required Strength: 4000 psi at 28 days

Sample Location: Slab - SE Quadrant

AREA/TYPE PLACEMENT: ☐ CURB/GUTTER ☒ FLOOR SLAB ☐ FOOTING ☐ WALL
☐ OTHER: _____

<p>SAMPLING:</p> <p>(Fresh Concrete) <input checked="" type="checkbox"/> ASTM C172 (Fresh Concrete) <input type="checkbox"/> AASHTO T141</p> <p><input type="checkbox"/> ASTM C1019 (Grout)</p> <p>Sampled From: <u>Truck chute</u></p>	<p>UNIT WEIGHT:</p> <p><input checked="" type="checkbox"/> ASTM C138 <input type="checkbox"/> AASHTO T121</p> <p>Test Results <u>142.6</u> lb/ft³ (LBF/cubic foot)</p>	<p>CONCRETE TEMPERATURE: OTHER</p> <p><input checked="" type="checkbox"/> ASTM C1064 <input type="checkbox"/></p> <p>Test Results <u>65°</u> degrees F.</p>
<p>AIR-CONTENT:</p> <p><input type="checkbox"/> ASTM C153 <input type="checkbox"/> ASTM C173</p> <p><input checked="" type="checkbox"/> ASTM C231 <input type="checkbox"/> AASHTO T196</p> <p>Test Results <u>5</u> % (percent)</p>	<p>SLUMP:</p> <p><input checked="" type="checkbox"/> ASTM C143 <input type="checkbox"/> AASHTO T199</p> <p><input type="checkbox"/> ASTM C1611 <input type="checkbox"/></p> <p>Test Results <u>3 1/2"</u> in. (inches)</p>	<p>Number of specimens molded: <u>4</u></p> <p>Approximate size of specimen mold:</p> <p><input checked="" type="checkbox"/> 4x8" <input type="checkbox"/> 6x12" <input type="checkbox"/></p> <p>CUBE PRISM Other</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>

LABORATORY TEST DATA

Specimens cured and tested in the laboratory in accordance with:







Field cured and molded:		Cylinders	Cubes	Drilled Cores	Storage Tanks
<input checked="" type="checkbox"/> ASTM C31	<input type="checkbox"/> AASHTO T23	<input checked="" type="checkbox"/> ASTM C39	<input type="checkbox"/> ASTM C109	<input type="checkbox"/> ASTM C42	<input checked="" type="checkbox"/> ASTM C511

[illegible]

AVERAGE 28 -DAYS AT 5890 PSI AVERAGE _____ -DAYS AT _____ PSI

COMMENTS:

FRACTURE PATTERN TYPES

Type 1	Type 2	Type 3	Type 4	Type 5	Type 6	
						<p>Note: Type 5 & 6 commonly occur with unbonded caps.</p>



FIELD / LAB TEST DATA - COMPRESSIVE STRENGTH ANALYSIS

☒ CONCRETE CYLINDER ☐ MASONRY GROUT CYLINDER ☐ FLOW FILL CYLINDER
☐ MASONRY GROUT CUBE ☐ CEMENT CUBE ☐ CONCRETE PRISM ☐ GROUT PRISM

Sample Date: 6-1-15 Technician: Bill Heckard
 Project Name: Lerman Building Project Set No. 31025361 Daily Set No. 2
 Project Number: 7131.74230.01 Submitted to Lab By: _____ Date: _____
 Client: Rubin Lerman Testing Requested By: Jeff Everett

Concrete Supplier: United Companies Truck#: 6321 Ticket#: 31025361
 Mix Identification#: 36010356 Batch size: 10 cubic yards Batch Time: 7:07 Sample Time: 8:25
 Time in Mixer: 1 hours 18 minutes Water Added Before Sampling: 0 gallons Ambient Air Temp. (°F): 62
 Maximum Size Aggregate: 3/4 inches Required Strength: 4000 psi at 28 days

Sample Location: SW quadrant
 AREA/TYPE PLACEMENT: ☐ CURB/GUTTER ☒ FLOOR SLAB ☐ FOOTING ☐ WALL
☐ OTHER: _____

SAMPLING: (Fresh Concrete) <input checked="" type="checkbox"/> ASTM C172 <input type="checkbox"/> AASHTO T141 <input type="checkbox"/> ASTM C1019 (Grout) Sampled From: <u>Truck chute</u>	UNIT WEIGHT: <input checked="" type="checkbox"/> ASTM C138 <input type="checkbox"/> AASHTO T121 Test Results: <u>141.1</u> lb/ft ³ (LBF/cubic foot)	CONCRETE TEMPERATURE: OTHER _____ <input checked="" type="checkbox"/> ASTM C1064 <input type="checkbox"/> _____ Test Results: <u>64</u> degrees F.
AIR-CONTENT: <input type="checkbox"/> ASTM C153 <input type="checkbox"/> ASTM C173 <input checked="" type="checkbox"/> ASTM C231 <input type="checkbox"/> AASHTO T196 Test Results: <u>6.1</u> % (percent)	SLUMP: <input checked="" type="checkbox"/> ASTM C143 <input type="checkbox"/> AASHTO T199 <input type="checkbox"/> ASTM C1611 <input type="checkbox"/> _____ Test Results: <u>4 1/2</u> in. (inches)	Number of specimens molded: _____ Approximate size of specimen mold: <input type="checkbox"/> 4x8" CUBE <input type="checkbox"/> 6x12" PRISM <input type="checkbox"/> Other _____

LABORATORY TEST DATA

Specimens cured and tested in the laboratory in accordance with: ☒ ASTM C31 ☐ AASHTO T23 ☒ Cylinders ☐ Cubes ☐ Drilled Cores ☐ Storage Tanks
☒ ASTM C31 ☐ AASHTO T23 ☒ ASTM C39 ☐ ASTM C109 ☐ ASTM C42 ☒ ASTM C511

SPECIMEN IDENTIFICATION	DATE TESTED YEAR: 2015	AGE IN DAYS	SPECIMEN MEASUREMENTS				COMPRESSIVE STRENGTH TEST DATA				CAP TYPE				TEST BY
			Diameter		Average Diameter	Cross Sectional Area	Maximum Load		FRACTURE TYPE # (See sketch below)	% of spec. achieved	C1231 NEO. PADS	C617 GYP. CAP	Other		
			1	2			LBF	PSI							
9616	6-8	7	3.994	4.001	3.998	12.55	48910	3900	5	98%	/			ST	
9617	6-29	28	3.993	4.003	3.998	12.55	66190	5270	3	100	/			LC	
9618	6-29	28	3.996	3.999	3.9975	12.55	64270	5120	2	100	/			LC	
9619	H	H	To be used												

AVERAGE 28 -DAYS AT 5190 PSI AVERAGE _____ -DAYS AT _____ PSI

COMMENTS: _____

FRACTURE PATTERN TYPES

Type 1

Type 2

Type 3

Type 4

Type 5

Type 6

Note: Type 5 & 6 commonly occur with unbonded caps.