



KANSAS CITY
TESTING & ENGINEERING, LLC

Kansas City Testing & Engineering, LLC
1308 Adams Street
Kansas City, KS 66103
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REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: GRIFFIN RILEY INVESTMENTS, LLC
ATTN: JAKE LOVELESS
120 SE 30TH STREET
LEE'S SUMMIT MO 64082

PAGE 1 OF 1

PROJECT: THE RESIDENCES @ ECHELON
MO 291 & 150
LEE'S SUMMIT, MO

PROJECT NO.: R20-17-261
REPORT NO.: K23045
DATE OF SERVICE: 04/17/2018
AUTHORIZATION: JAKE LOVELESS
REPORT DATE: 04/23/2018

SERVICES: Sample concrete at location of placement, perform required field tests, prepare and test concrete compressive strength specimens.

PROJECT DATA

CONTRACTOR: LUKE DRAILY CONST
CONCRETE SUPPLIER: CENTURY
PLANT:
CLASS OF CONCRETE: 4K FA HRWR
SPECIFICATION REQUIREMENTS
STRENGTH: 3500psi @ 28 DAYS
SLUMP: 4 +/- 1

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 04/17/2018
TIME SAMPLED: 9:14 BY: ANDREW WILSON
BATCH TIME: 8:34
TEMPERATURE (DegF) - AIR: 48 CONCRETE: 69
WEATHER: CLEAR
MEASURED SLUMP (in.): 5.00
AIR CONTENT (%):
TRUCK NO: 221 UNIT WT (pcf)
WATER ADDED @ SITE (gal) TICKET NO: 287533
LOCATION OF PLACEMENT
BUILDING 4 GARAGE BAY SLAB
AG TO AN

METHOD OF TEST

SAMPLING: ASTM C-172
MOLDING & CURING: ASTM C31
SLUMP: ASTM C143
TEMPERATURE: ASTM C1064
AIR CONTENT:
UNIT WEIGHT:
CAPPING/PADS: ASTM C1231
TESTING: ASTM C39

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K2304	A	04/24/2018	7	4.010	12.63	67290	5330	TYPE 5	
K2304	B	05/15/2018	28						
K2304	C	05/15/2018	28						
K2304	D	Hold							

Technician: ANDREW WILSON, SR. ENGR. TECHNICIAN

Report Distribution:

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Type 1 Type 2 Type 3 Type 4 Type 5 Type 6
| | | | | |
Cone Cone Columnar Shear Side Top
Split Fracture Fracture

KANSAS CITY TESTING &

DOUG ARTH, R.G.

REGISTERED GEOLOGIST

Our letters and reports are for the exclusive use of the client to whom they are addressed and shall not be reproduced except in full without the approval of the testing laboratory. The use of our name must receive our written approval. Our letters and reports apply only to the sample tested and/or inspected, and are not indicative of the quantities of apparently identical or similar products.



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ATTN: JAKE LOVELESS
120 SE 30TH STREET
LEE'S SUMMIT MO 64082

PAGE 1 OF 1

PROJECT NO.: R20-17-261
REPORT NO.: K23068
DATE OF SERVICE: 04/18/2018
AUTHORIZATION: JAKE LOVELESS
REPORT DATE: 04/23/2018

PROJECT: THE RESIDENCES @ ECHELON
MO 291 & 150
LEE'S SUMMIT, MO

SERVICES: Sample concrete at location of placement, perform required field tests, prepare and test concrete compressive strength specimens.

PROJECT DATA

CONTRACTOR: LUKE DRAILY CONST
CONCRETE SUPPLIER: CENTURY
PLANT:
CLASS OF CONCRETE: 4K FA HRWR
SPECIFICATION REQUIREMENTS
STRENGTH: 3500psi @ 28 DAYS
SLUMP: 4 +/- 1
METHOD OF TEST
SAMPLING: ASTM C-172
MOLDING & CURING: ASTM C31
SLUMP: ASTM C143
TEMPERATURE: ASTM C1064
AIR CONTENT:
UNIT WEIGHT:
CAPPING/PADS: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N1C1745407
DATE OF PLACEMENT: 04/18/2018
TIME SAMPLED: 9:22 BY: ANDREW WILSON
BATCH TIME: 8:42
TEMPERATURE (DegF) - AIR: 49 CONCRETE: 69
WEATHER: CLOUDY
MEASURED SLUMP (in.): 4.75
AIR CONTENT (%):
TRUCK NO: 239 UNIT WT (pcf)
WATER ADDED @ SITE (gal) TICKET NO: 287567
LOCATION OF PLACEMENT
BUILDING 4 GARAGE BAYS
FROM AN TO AR

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K2306	A	04/25/2018	7	4.000	12.57	80600	6410	TYPE 5	
K2306	B	05/16/2018	28						
K2306	C	05/16/2018	28						
K2306	D	Hold							

Technician: ANDREW WILSON, SR. ENGR. TECHNICIAN

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Type 1 Type 2 Type 3 Type 4 Type 5 Type 6
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Cone Cone Columnar Shear Side Top
Split Split Fracture Fracture

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