



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 NO.: R20-17-261
REPORT NO.: K22639
DATE OF SERVICE: 03/15/2018
AUTHORIZATION: JAKE LOVELESS
REPORT DATE: 03/21/2018

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 PL FA MRWR
SPECIFICATION REQUIREMENTS
STRENGTH: 3500psi @ 28 DAYS
SLUMP: 4 +/- 1 AIR:
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: N1C1550405
DATE OF PLACEMENT: 03/15/2018
TIME SAMPLED: 12:28 BY: ANDREW WILSON
BATCH TIME: 11:28
TEMPERATURE (DegF) - AIR: 72 CONCRETE: 73
WEATHER: CLEAR
MEASURED SLUMP (in.): 3.25
AIR CONTENT (%): UNIT WT (pcf)
TRUCK NO: 258 TICKET NO: 97514
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
BUILDING #4 WALL FOOTINGS ON
LINE A.A/ B.1 TO B.3 AND STOOP FOOTINGS
FROM A.D TO A.C ON E. AND W. SIDES
OF BUILDING

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 | | | | | | | | |
| K2263 | A | 03/22/2018 | 7 | 4.000 | 12.57 | 55050 | 4380 | TYPE 3 | |
| K2263 | B | 04/12/2018 | 28 | 4.000 | 12.57 | 70320 | 5600 | TYPE 5 | |
| K2263 | C | 04/12/2018 | 28 | 4.000 | 12.57 | 70140 | 5580 | TYPE 5 | |
| K2263 | D | Discard | | | | | | | |

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

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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120 SE 30TH STREET
LEE'S SUMMIT MO 64082

PAGE 1 OF 1

PROJECT NO.: R20-17-261
REPORT NO.: K22875
DATE OF SERVICE: 04/05/2018
AUTHORIZATION: JAKE LOVELESS
REPORT DATE: 04/10/2018

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 PL FA MRWR
SPECIFICATION REQUIREMENTS
STRENGTH: 3500psi @ 28 DAYS
SLUMP: 4 +/- 1 AIR:

MIX DESIGN NUMBER: N1C1550405
DATE OF PLACEMENT: 04/05/2018
TIME SAMPLED: 3:57 BY: JOHN MAXWELL
BATCH TIME: 3:20
TEMPERATURE (DegF) - AIR: 62 CONCRETE: 61
WEATHER: CLEAR
MEASURED SLUMP (in.): 4.00
AIR CONTENT (%): UNIT WT (pcf)
TRUCK NO: 239 TICKET NO: 287285
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
BUILDING 5 FOUNDATION WALL ON LINE A.R/ B.2 TO B.6
THICKENED SLAB ON WEST HALF OF BUILDING AND
PATIO FOOTINGS ON EAST AND WEST HALVES
OF BUILDING

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 | | | | | | | | |
| K2287 | A | 04/12/2018 | 7 | 4.000 | 12.57 | 61630 | 4900 | TYPE 5 | |
| K2287 | B | 05/03/2018 | 28 | | | | | | |
| K2287 | C | 05/03/2018 | 28 | | | | | | |
| K2287 | D | Hold | | | | | | | |

Technician: JOHN MAXWELL, ENGINEERING TECHNICIAN

Report Distribution:

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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 Fracture Fracture

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