

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT:

GRIFFIN RILEY INVESTMENTS, LLC

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

PROJECT:

THE RESIDENCES @ ECHELON

MO 291 & 150

LEE'S SUMMIT, MO

LUKE DRAILY CONST

CENTURY

4K PL FA MRWR

PAGE 1 OF 1

PROJECT NO.: R20-17-261

K22692 REPORT NO:

DATE OF SERVICE:

03/22/2018 JAKE LOVELESS

AUTHORIZATION: REPORT DATE:

03/28/2018

CONTRACTOR:

PLANT:

CONCRETE SUPPLIER:

CLASS OF CONCRETE:

SLUMP: 4 + / - 1

SPECIFICATION REQUIREMENTS

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

concrete compressive strength specimens.

AIR:

PROJECT DATA

MIX DESIGN NUMBER:

DATE OF PLACEMENT:

03/22/2018

TIME SAMPLED: 4:40

BY: ANDREW WILSON

BATCH TIME: 3:52

TEMPERATURE (DegF) - AIR:

69

CONCRETE: 73

WEATHER: PARTLY CLOUDY

MEASURED SLUMP (in.):

3.00 UNIT WT (pcf)

AIR CONTENT (%): TRUCK NO: 268

TICKET NO: 287065

WATER ADDED @ SITE (gal) LOCATION OF PLACEMENT BUILDING 5 WALL FOOTINGS

METHOD OF TEST

SAMPLING: ASTM C-172 MOLDING & CURING: ASTM C31 SLUMP: ASTM C143 ASTM C1064

STRENGTH: 3500psi @ 28 DAYS

TEMPERATURE: AIR CONTENT:

UNIT WEIGHT:

CAPPING/PADS **ASTM C1231** TESTING: ASTM C39

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE	105			MAXIMUM	COMPRESSIVE		
SET	MARK	DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	LOAD (lbs. force)	STRENGTH (psi)	FRACTURE TYPE	REMARKS
K2269	А	03/29/2018	7	4.000	12.57	60020	4780	TYPE 5	
K2269	В	04/19/2018	28	4.000	12.57	76330	6070	TYPE 5	
K2269	C	04/19/2018	28	4.000	12.57	76270	6070	TYPE 5	
K2269	D	Discard							

Technician: ANDREW WILSON, SR. ENGR. TECHNICIAN

Report Distribution:

(1) cbeverlin@bdc-engrs.com (1) jake@griffinriley.com (1) matthew.munger@cityofLS.net (1) mschilicht@es-kc.com (1) srunyan@lukedraily.com (1) thauschilid@nspjarch.com (1) tjwatreas@lukedraily.com

Type 1 Type 2 Type 3 Type 4 Type 5 Type 6 Cone Cone Columnar Shear

Split

Side Top Fracture Fracture **KANSAS CITY TESTING &**



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

R20-17-261 PROJECT NO .:

REPORT NO .: K22741

03/22/2018

DATE OF SERVICE: AUTHORIZATION:

JAKE LOVELESS

REPORT DATE:

03/28/2018

PROJECT:

PLANT:

THE RESIDENCES @ ECHELON

4K PL FA MRWR

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.

AIR:

PROJECT DATA

MIX DESIGN NUMBER: DATE OF PLACEMENT: N1C1550405 03/22/2018

TIME SAMPLED: 5:39

BY: ANDREW WILSON

BATCH TIME: 4:59

TEMPERATURE (DegF) - AIR:

69

CONCRETE: 73

PARTLY CLOUDY WEATHER:

3.25 MEASURED SLUMP (in.):

AIR CONTENT (%):

UNIT WT (pcf)

TRUCK NO: 221

TICKET NO: 287070

WATER ADDED @ SITE (gal) LOCATION OF PLACEMENT BUILDING 5 EXTERIOR

WALL FOOTINGS

METHOD OF TEST

CLASS OF CONCRETE:

SLUMP: 4 + / - 1

SAMPLING: ASTM C-172 MOLDING & CURING: ASTM C31 ASTM C143 SLUMP: ASTM C1064 TEMPERATURE:

STRENGTH: 3500psi @ 28 DAYS

CONTRACTOR: LUKE DRAILY CONST

CONCRETE SUPPLIER: CENTURY

SPECIFICATION REQUIREMENTS

AIR CONTENT: UNIT WEIGHT:

CAPPING/PADS TESTING:

ASTM C1231 ASTM C39

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE	AGE	DIAMETER	AREA	MAXIMUM LOAD	COMPRESSIVE STRENGTH		
SET	MARK	TESTED	(days)	(in.)	(sq.in.)	(lbs. force)	(psi)	FRACTURE TYPE	REMARKS
K2274	A	03/29/2018	7	4.000	12.57	62540	4980	TYPE 5	
K2274	В	04/19/2018	28	4.000	12.57	81780	6510	TYPE 5	
K2274	C	04/19/2018	28	4.000	12.57	82710	6580	TYPE 3	
K2274	D	Discard							

Technician: ANDREW WILSON, SR. ENGR. TECHNICIAN

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(1) cbeverlin@bdc-engrs.com (1) jake@griffinriley.com (1) matthew.munger@cityofLS.net (1) mschlicht@es-kc.com (1) srunyan@lukedraily.com (1) thauschild@nspjarch.com (1) tjwatreas@lukedraily.com

Type 1 Type 2 Type 3 Type 4 Type 5 Type 6

Cone Columnar Shear Cone Split

Side Top Fracture Fracture **KANSAS CITY TESTING &**



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

R20-17-261 PROJECT NO .:

K22747 REPORT NO .:

DATE OF SERVICE: 03/23/2018 JAKE LOVELESS AUTHORIZATION:

03/29/2018 REPORT DATE:

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: SLUMP:

ASTM C31 ASTM C143 ASTM C1064

TEMPERATURE: AIR CONTENT:

UNIT WEIGHT:

CAPPING/PADS TESTING:

ASTM C1231 ASTM C39

MIX DESIGN NUMBER:

N1C1550405

DATE OF PLACEMENT:

03/23/2018

TIME SAMPLED: 3:23

BY: ANDREW WILSON

BATCH TIME: 2:41

TEMPERATURE (DegF) - AIR:

58

CONCRETE: 68

TICKET NO: 287113

WEATHER: CLOUDY

MEASURED SLUMP (in.): 3.00

AIR CONTENT (%): TRUCK NO: 238

UNIT WT (pcf)

WATER ADDED @ SITE (gal)

LOCATION OF PLACEMENT

INTERIOR THICKENED SLAB FOOTINGS

WEST HALF OF BUILDING 4

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE	AGE	DIAMETER	AREA	MAXIMUM LOAD	COMPRESSIVE STRENGTH		
SET	MARK	TESTED	(days)	(in.)	(sq.in.)	(lbs. force)	(psi)	FRACTURE TYPE	REMARKS
K2274	А	03/30/2018	7	4.000	12.57	63390	5040	TYPE 5	
K2274	В	04/20/2018	28	4.000	12.57	80010	6370	TYPE 5	
K2274	C	04/20/2018	28	4.000	12.57	80020	6370	TYPE 5	
K2274	D	Discard							

Technician: YVONNE BEATY, ENGINEERING TECHNICIAN

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(1) cbeverlin@bdc-engrs.com (1) jake@griffinriley.com (1) matthew.munger@cityofLS.net (1) mschlicht@es-kc.com (1) srunyan@lukedraily.com (1) thauschlid@nsplarch.com (1) tjwatreas@lukedraily.com

Type 6 Type 1 Type 2 Type 3 Type 4 Type 5 Cone Cone Columnar Shear Side Top Split Fracture Fracture **KANSAS CITY TESTING &**



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

R20-17-261 PROJECT NO:

K23006 REPORT NO .:

04/16/2018 DATE OF SERVICE: JAKE LOVELESS

AUTHORIZATION: 04/18/2018 REPORT DATE:

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: MOLDING & CURING: SLUMP:

ASTM C31 ASTM C143 ASTM C1064

ASTM C-172

TEMPERATURE: AIR CONTENT:

UNIT WEIGHT:

CAPPING/PADS ASTM C1231 TESTING: ASTM C39

MIX DESIGN NUMBER:

N1C1550405

DATE OF PLACEMENT: 04/16/2018

TIME SAMPLED: 10:02

BY: ANDREW WILSON

BATCH TIME: 9:15

39 TEMPERATURE (DegF) - AIR:

CONCRETE: 67

287487

WEATHER: CLEAR

MEASURED SLUMP (in.): 4.25

AIR CONTENT (%): TRUCK NO: 221

UNIT WT (pcf)

TICKET NO:

WATER ADDED @ SITE (gal)

LOCATION OF PLACEMENT

SLAB ON GRADE FOR BUILDING 4 GARAGE BAYS FROM AA TO AG

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE	405	DIAMETER	ADEA	MAXIMUM	COMPRESSIVE		
SET	MARK	DATE TESTED	AGE (days)	(in.)	AREA (sq.in.)	LOAD (lbs. force)	STRENGTH (psi)	FRACTURE TYPE	REMARKS
K2300	A	04/23/2018	7	4.000	12.57	70990	5650	TYPE 5	
K2300	В	05/14/2018	28						
K2300	C	05/14/2018	28						
K2300	D	Hold							

Technician: ANDREW WILSON, SR. ENGR. TECHNICIAN

Report Distribution:

(1) cbeverlin@bdc-engrs.com (1) jake@griffinriley.com

(1) cteverinic (1) jake@griffinriley.com (1) jake@griffinriley.com (1) matthew.munger@cityofLS.net (1) snushlicht@es-kc.com (1) srunyan@lukedraily.com (1) thauschild@nspjarch.com (1) tjwatreas@lukedraily.com

Type 1 Type 2 Type 3 Type 4 Type 5 Type 6 Side Cone Cone Columnar Shear Top Split Fracture Fracture KANSAS CITY TESTING &