

CITY OF LEE'S SUMMIT MISSOURI CODES ADMINISTRATION

Report #6

8-18-5

Bi-weekly Special Inspections Report

Project Address 20 W. NE Saint Luke's Blvd. Project Name St. Luke's East OR Addition #2

Permit No. PrCom20170703 Special Inspection Agency or Agent Structural Engineering Associates, Inc. PrCom20171689

This is to certify that I or qualified individual(s) working under my direction inspected and/or tested the following items in accordance with Chapter 17 of the 2003 International Building Code. The work was found to be in substantial compliance with the City approved plans, specifications, and applicable provisions of the City of Lee's Summit building code.

Check appropriate items

- INSPECTION OF WOOD FABRICATION PROCESS per 17044.2.1
- INSPECTION OF STEEL FABRICATION PROCESS per 1704.2.1
- INSPECTION OF STEEL per 1704.3-1704.3.3.3
- INSPECTION OF CONCRETE per 1704.4-1704.4.1
- □ INSPECTION OF MASONRY per 1704.5

- INSPECTION OF SOIL CONDITIONS per 1704.7-1704.7.3
- □ INSPECTION OF PILE FOUNDATIONS per 1704.8
- □ INSPECTION OF PIER FOUNDATIONS per 1704.9
- INSPECTION OF EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) per 1704.12
- □ SPRAYED FIRE-RESISTIVE MATERIALS per 1704.11
- SMOKE CONTROL SYSTEMS per 1704.14



Professional Seal

Nicolas Signature

AUGUST 31 Date 2017

CODES ADMINISTRATION, 220 SE GREEN ST, LEE'S SUMMIT, MO 64063 cc: Mark Brooks - St. Luke's; Mark Hunter - ACI; Mike Schmelig - JED; Daniel Polletta - JED; Dave Jardon - JED; Bill Lipp - JED; Brady Myers - JED; Garrett Estabrook - JED; AJ Devlin -JED; Pat Huss - Fordyce; Andy Nimz - GJS; Krishna Saha - SEA; Bryan Evans - SEA



STRUCTURAL ENGINEERING ASSOCIATES, INC.

Est. 1909

St. Luke's East - OR Addition #2 20 W. NE Saint Luke's Blvd. Lee's Summit, MO 64086 Special Inspection Report #06 August 16, 2017

1) <u>Summary of work performed from 08/01/17 through 08/15/17</u>

- Concrete: Elevated deck at 2nd floor between Grids E'-J/12-15.5; Tops of columns at Columns H.3/12.1, J/12.1, G/12.9, J/12.9, G/13.1, J/13.1, G/14, J/14, G/15, and J/15; Compressive strength tests.
- FF/FL: Elevated deck at 2nd floor from E'-J/12-15.5.
- Drill & Epoxy Adhesive Bars: Into existing beam at elevated deck along Grid E' between Grids 12-15.5.
- Structural steel framing and structural steel welding: Guard rail at 2nd floor from J/12-16 and E'-J/12; Brick shelf angle at E'-J/12.
- 2) <u>Changes from drawings/specifications/codes</u>

No items pertain to this time period.

3) Discrepancies with approved plans

No items pertain to this time period.

4) <u>Resolved/corrected discrepancies</u>

No items pertain to this time period.

ITEMS REQUIRING RESOLUTION

St. Luke's East - OR Addition #2 20 W. NE Saint Luke's Blvd. Lee's Summit, MO Special Inspection Report #06

Item				Resolution
Number	Date	Discrepancy location and description	Reference	Date
		Drawings modified by 'Addendum #1'. Sheets S0.0, S1.0, S1.1, S2.0, and		
1	3/23/2017	S2.1 were modified or added to contract documents.	Addendum #1	3/23/2017
		Drawings modified by 'Addendum #2'. Sheets S0.0, S1.0, S1.1, S2.0,		
		S2.1, S3.0, S4.0, S4.1, and S4.2 were modified or added to contract		
2	5/2/2017	documents.	Addendum #2	5/2/2017
		Drawings modified by 'Addendum #3'. Sheets S1.0, S2.0, S2.1, S4.0, and		
3	5/9/2017	S4.2 were modified or added to contract documents.	Addendum #3	5/9/2017
		Drawings modified by 'Addendum #4'. Sheets S1.1 and S2.1 were		
4	5/15/2017	modified or added to contract documents.	Addendum #4	5/15/2017
		Drawings modified by 'Addendum #6'. Sheets S1.1 and S2.0 were		
5	5/25/2017	modified or added to contract documents.	Addendum #6	5/25/2017
		Horizontal reinforcing was epoxied into new columns to attach stem		
6	6/12/2017	walls to columns.	RFR #01	6/19/2017
		Bars were epoxied into existing beam at new joists and beams along		
7	7/6/2017	Grid E' at 2nd floor instead of using couplers.	RFR #02	7/11/2017
8	7/21/2017	Column H.3/12 was moved 4 5/8" closer to Grid G.	RFI #0027	7/24/2017
		Bars were epoxied into slab-on-grade at Grid 15 where reinforcing was		
9	7/27/2017	not lapped over construction joint.	RFR #03	7/28/2017



FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2	DATE: 08/04/17 JOB NO: 2017068.00
LOCATION: 20 W. NE Saint Luke's Blvd.	CONTRACTOR: J.E. Dunn
TO: Mark Brooks	OWNER: Saint Luke's Health System
Saint Luke's Health System	WEATHER: Sunny, 80's
901 E. 104t h St .	PRESENT: Construction Personnel
Kansas City, MO 64131	

The following was noted:

- 1. Representative arrived on site to observe epoxy bars.
- 2. Epoxy bars were epoxied into existing beam at elevated deck along grid E' between Grids 12-15.5 in substantial accordance with Addendum #2 dated 5/02/17 per details 2/S4.0 and 3/S4.1 and RFR #02 dated 7/06/17.
- Concrete compressive strength testing was completed for cylinder sets OR17, OR18, OR19, OR20, OR25, OR26, and OR27. See attached Report of Concrete Compressive Strength sheet for testing results.



PROJECT:

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K18506

 DATE OF SERVICE:
 07/07/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 07/17/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

	PROJECT DATA	
CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA		
CONCRETE SUPPLIER:	DATE OF PLACEMENT: 07/07/2017	
PLANT:	TIME SAMPLED: BY: CLIENT	
CLASS OF CONCRETE:	BATCH TIME:	
SPECIFICATION REQUIREMENTS	TEMPERATURE (DegF) - AIR: CONCRETE	
STRENGTH: 4000psi @ 28 DAYS	WEATHER:	
	MEASURED SLUMP (in.):	
SLUMP: AIR:	AIR CONTENT (%): UNIT WT (pcf)	
METHOD OF TEST	TRUCK NO: TICKET NO:	
CURING: BEARING CONTACT ASTM C1231	WATER ADDED @ SITE (gal) LOCATION OF PLACEMENT	
BEARING CONTACT: ASTM C1231 TESTING: ASTM C39	OR 17	

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
K1850	A	07/10/2017	3	4.000	12.57	54770	4360	TYPE 5	
K1850	В	07/14/2017	7	4.000	12.57	652 9 0	5200	TYPE 5	
K1850	C	08/04/2017	28	4.000	12.57	86310	6870	TYPE 5	
K1850	D	08/04/2017	28	4.000	12.57	86810	6910	TYPE 5	
K1850	Ε	08/04/2017	28	4.000	12.57	87260	6940	TYPE 5	
K1850	F	Discard							

Technician:

Report Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM **KANSAS CITY TESTING &**

DOUG ARTH, R.G. REGISTERED GEOLOGIST

 Cone
 Cone
 Columnar Shear
 Side
 Top
 Dogs
 REGISTERED

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

epprovel of the testing leboratory. The use of our name must receive our written epprovel. Our letters and reports apply only to the sample tested and/or inspected, and are not indicative of the quantities of apparently identicel or similar products.



PROJECT:

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K18507

 DATE OF SERVICE:
 07/07/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 07/10/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

		PROJECT DATA	
CONTRACTOR: STRUC	TURAL ENGINEERING ASSOCIA	MIX DESIGN NUMBER:	N/A
CONCRETE SUPPLIER:		DATE OF PLACEMENT:	07/07/2017
PLANT:		TIME SAMPLED:	BY: CLIENT
		BATCH TIME:	
CLASS OF CONCRETE:		TEMPERATURE (DegF) - A	IR: CONCRETE:
SPECIFICATION REQUIRE		WEATHER:	
STRENGTH: 4000p	si @ 28 DAY S	MEASURED SLUMP (in.):	
SLUMP:	AIR:	AIR CONTENT (%):	UNIT WT (pcf)
METHOD OF TEST		TRUCK NO:	TICKET NO:
CURING:		WATER ADDED @ SITE (g	al)
BEARING CONTACT:	ASTM C1231	LOCATION OF PLACEMEN	Т
TESTING:	ASTM C39	OR 18	

REPORT OF TESTS CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE	AGE	DIAMETER	AREA	MAXIMUM	COMPRESSIVE STRENGTH		
SET	MARK	TESTED	(days)	(in.)	(sq.in.)	(lbs. force)	(psi)	FRACTURE TYPE	REMARKS
K1850	A	07/10/2017	3	4.000	12.57	58150	4630	TYPE 5	
K1850	В	07/14/2017	7	4.000	12.57	67970	5410	TYPE 5	
K1850	С	08/04/2017	28	4.000	12.57	84550	6730	TYPE 5	
K1850	D	08/04/2017	28	4.000	12.57	84540	6730	TYPE 5	
K1850	Е	08/04/2017	28	4.000	12.57	84600	6730	TYPE 5	
K1850	F	Discard							

Technician:

Report Distribution:

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DOUG ARTH, R.G. REGISTERED GEOLOGIST

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Type 6

Тор

Fracture Fracture

Side

Type 1 Type 2 Type 3 Type 4 Type 5

Cone Columnar Shear

Cone

Split



PROJECT:

REPORT OF CONCRETE COMPRESSIVE STRENGTH

STRUCTURAL ENGINEERING ASSOCIATES CLIENT: ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

PAGE 1 OF 1

C20-17-158 PROJECT NO .: K18508 REPORT NO .: 07/07/2017 DATE OF SERVICE: NICK PINO AUTHORIZATION: 07/10/2017 REPORT DATE:

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

			PROJECT	DATA		
CONTRACTOR:	STRUCTURAL ENGINE	ERING ASSOCIA		MIX DESIGN NUMBER:	N/A	
CONCRETE SUPP	LIER:			DATE OF PLACEMENT:	07/07/2017 BY: CLIE	יחינ
PLANT:				TIME SAMPLED:	BI: CUILI	4 T
CLASS OF CONCR	RETE:			BATCH TIME:	175.	CONCRETE:
SPECIFICATION R	EQUIREMENTS			TEMPERATURE (DegF) - A WEATHER:	urc.	CONTRACT.
STRENGTH:	4000psi @ 28 DAYS			MEASURED SLUMP (in.):		
SLUMP:		AIR:		AIR CONTENT (%):	(JNIT WT (pcf)
METHOD OF TEST				TRUCK NO:	ī	FICKET NO:
CURING:				WATER ADDED @ SITE (g		
BEARING CONTA TESTING:	ACT: ASTM C1231 ASTM C39			OR 19	IT	

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	
K1850	A	07/10/2017	3	4.000	12.57	63100	5020	TYPE 5		
K1850	в	07/14/2017	7	4.000	12.57	75160	5980	TYPE 3		
K1850	С	08/04/2017	28	4.000	12.57	84820	6750	TYPE 5		
K1850	D	08/04/2017	28	4.000	12.57	85510	6800	TYPE 5		
K1850	Е	08/04/2017	28	4.000	12.57	84920	6760	TYPE 3		
K1850	F	Discard								

Technician:

Report Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM

KANSAS CITY TESTING &

DOUG ARTH, R.G. REGISTERED GEOLOGIST

Type 1 Type 2 Type 3 Type 4 Type 5 Type 6 1 . I Cone Columnar Shear Тор Cone Side Split

Fracture Fracture

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PROJECT:

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K18509

 DATE OF SERVICE:
 07/07/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 07/10/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

CONCRETE SUPPLIER: PLANT: CLASS OF CONCRETE: SPECIFICATION REQUIRE!	TURAL ENGINEERING ASSOCIA MENTS 31 @ 28 DAYS AIR:	PROJECT DATA MIX DESIGN NUMBER: DATE OF PLACEMENT: TIME SAMPLED: BATCH TIME: TEMPERATURE (DegF) - A WEATHER: MEASURED SLUMP (in.): AIR CONTENT (%):	N/A 07/07/2017 BY: CLIENT NR: CONCRETE: UNIT WT (pcf)
METHOD OF TEST CURING: BEARING CONTACT: TESTING:	ASTM C1231 ASTM C39	TRUCK NO: WATER ADDED @ SITE (g LOCATION OF PLACEMEN OR 20	

REPORT OF TESTS CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE	AGE	AGE DIAMETER AR	AREA	MAXIMUM LOAD	COMPRESSIVE STRENGTH			
SET	MARK	TESTED	(days)	(In.)	(sq.in.)	(lbs. force)	(psi)	FRACTURE TYPE	REMARKS	
K1850	А	07/10/2017	3	4.000	12.57	50690	4030	TYPE 5		
K1850	В	07/14/2017	7	4.000	12.57	61810	4920	TYPE 5		
K1850	С	08/04/2017	28	4.000	12.57	79890	6360	TYPE 5		
K1850	D	08/04/2017	28	4.000	12.57	80010	6370	TYPE 3		
K1850	Ε	08/04/2017	28	4.000	12.57	79670	6340	TYPE 5		
K1850	F	Discard								

Technician:

Report Distribution:

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DOUS ARTH, R.G. REGISTERED GEOLOGIST

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Type 6

Top

Fracture Fracture

Side

Type 1 Type 2 Type 3 Type 4 Type 5

Cone Columnar Shear

Cone

Split



PROJECT:

REPORT OF CONCRETE COMPRESSIVE STRENGTH

STRUCTURAL ENGINEERING ASSOCIATES CLIENT: ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

PAGE 1 OF 1

C20-17-158 PROJECT NO .: K18909 REPORT NO .: DATE OF SERVICE: 07/28/2017 NICK PINO AUTHORIZATION: 07/31/2017 REPORT DATE:

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

	PROJECT DATA	
CONTRACTOR: STRUCTURAL ENGINEERING ASSOC		
CONCRETE SUPPLIER:	DATE OF PLACEMENT: 07/28/2017	
PLANT:	TIME SAMPLED: BY: CLIENT	
CLASS OF CONCRETE:	BATCH TIME:	
SPECIFICATION REQUIREMENTS	TEMPERATURE (DegF) - AIR: CONCRETE:	
STRENGTH: 4000psi @ 28 DAYS	WEATHER:	
- 105	MEASURED SLUMP (in.):	
SLUMP: AIR:	AIR CONTENT (%): UNIT WT (pcf)	
METHOD OF TEST	TRUCK NO: TICKET NO:	
CURING:	WATER ADDED @ SITE (gal)	
BEARING CONTACT: ASTM C1231 TESTING: ASTM C39	LOCATION OF PLACEMENT OR 25	

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	
K1890	A	07/31/2017	3	3.990	12.50	48010	3840	TYPE 5		
K1890	B	08/04/2017	7	4.000	12.57	62910	5010	TYPE 5		
K1890	С	08/25/2017	28							
K1890	D	08/25/2017	28							
K1890	Е	08/25/2017	28							
K1890	F	Ho1d								

Technician:

Report Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM

KANSAS CITY TESTING &

DOU ARTH, R.G.

REGISTERED GEOLOGIST

1 I Cone Cone Columnar Shear Side Split Fracture Fracture

Type 1 Type 2 Type 3 Type 4 Type 5

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Type 6

Тор



PROJECT:

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K18910

 DATE OF SERVICE:
 07/28/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 07/31/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

		PROJECT DATA	
CONTRACTOR: STF	UCTURAL ENGINEERING ASSOC	IA MIX DESIGN NUMBER:	N/A
CONCRETE SUPPLIER		DATE OF PLACEMENT:	07/28/2017
PLANT:		TIME SAMPLED:	BY: CLIENT
CLASS OF CONCRETE:		BATCH TIME:	
		TEMPERATURE (DegF) - Al	R: CONCRETE:
SPECIFICATION REQUI		WEATHER:	×
STRENGTH: 400	Opsi @ 28 DAYS	MEASURED SLUMP (in.):	
SLUMP:	AIR:	AIR CONTENT (%):	UNIT WT (pcf)
METHOD OF TEST		TRUCK NO:	TICKET NO:
CURING:		WATER ADDED @ SITE (ga	l)
BEARING CONTACT: TESTING:	ASTM C1231 ASTM C39	LOCATION OF PLACEMENT OR 26	ſ

REPORT OF TESTS CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLIN MARK		DATE	AGE	DIAMETER	AREA	MAXIMUM	COMPRESSIVE STRENGTH		
SET	MARK	TESTED	(days)	(in.)	(sq.in.)	(lbs. force)	(psi)	FRACTURE TYPE	REMARKS
K1891	A	07/31/2017	3	3.990	12.50	51320	4100	TYPE 5	
K1891	В	08/04/2017	7	3.990	12.50	60300	4820	TYPE 5	
K1891	С	08/25/2017	28						
K1891	D	08/25/2017	28						
K1891	E	08/25/2017	28						
K1891	F*	Hold							

Technician:

Report Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM **KANSAS CITY TESTING &**

DOUG ARTH, R.G.

REGISTERED GEOLOGIST

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Type 6

Тор

Fracture Fracture

Side

Type 1 Type 2 Type 3 Type 4 Type 5

Cone Columnar Shear

Split

I

Cone



REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

ST. LUKE'S

PROJECT:

CANSAS CITY

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K18911

 DATE OF SERVICE:
 07/28/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 07/31/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

	PROJECT DATA	
CONTRACTOR: STRUCTURAL ENGINEERING ASSOCI	A MIX DESIGN NUMBER: N/A	
CONCRETE SUPPLIER:	DATE OF PLACEMENT: 07/28/2017	
PLANT:	TIME SAMPLED: BY: CLIENT	
CLASS OF CONCRETE:	BATCH TIME:	
	TEMPERATURE (DegF) - AIR: CO	NCRETE:
SPECIFICATION REQUIREMENTS	WEATHER:	
STRENGTH: 4000psi @ 28 DAYS	MEASURED SLUMP (in.):	
SLUMP: AIR:	AIR CONTENT (%): UNIT WT	(pcf)
METHOD OF TEST	TRUCK NO: TICKET N	0:
CURING:	WATER ADDED @ SITE (gal)	
BEARING CONTACT: ASTM C1231	LOCATION OF PLACEMENT	
TESTING: ASTM C39	OR 27	

REPORT OF TESTS CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLIN MARK		DATE	AGE	DIAMETER	AREA	MAXIMUM LOAD	COMPRESSIVE STRENGTH			
SET	MARK	TESTED	(days)	(in.)	(sq.ln.)	(lbs. force)	(psi)	FRACTURE TYPE	REMARKS	
K1891	A	07/31/2017	3	3.990	12.50	52010	4160	TYPE 5		
K1891	в	08/04/2017	7	3.990	12.50	57160	4570	TYPE 5		
K1891	С	08/25/2017	28							
K1891	D	08/25/2017	28							
K1891	Е	08/25/2017	28							
K1891	F	Hold								

Technician:

Report Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM KANSAS CITY TESTING &

DOUG ARTH, R.G. REGISTERED GEOLOGIST

Cone Cournar Shear Side Top Split Fracture Fracture is are for the exclusive use of the client to whom they are addressed and shall no

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

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FIELD REPORT

PROJECT: S	t. Luke's East-OR Addition #2	DATE: 08/08/17 JOB NO: 2017068.00
LOCATION:	20 W. NE Saint Luke's Blvd.	CONTRACTOR: J.E. Dunn
ТО:	Mark Brooks	OWNER: Saint Luke's Health System
	Saint Luke's Health System	WEATHER: Sunny, 80's
	901 E. 104th St.	PRESENT: Construction Personnel
<u></u>	Kansas City, MO 64131	

The following was noted:

- 1. Representative arrived on site to observe reinforcing steel placement and placement of concrete.
- 2. Observed placement of approximately 220 cubic yards of 4000-psi concrete for elevated deck at 2nd floor between Grids E'-J/12-15.5. Concrete was mechanically vibrated during placement.
- 3. Reinforcing bars were placed in substantial accordance with Addendum #2 dated 5/02/17 per details 1/S4.0, 2/S4.0, 4/S4.0, 5/S4.0, 6/S4.0, 1/S4.1, 2/S4.1, 3/S4.1, 1/S4.2, 2/S4.2, 3/S4.2, 4/S4.2, 5/S4.2, and 7/S4.2.

(SIKUCIUKAL	JKAL	1000 Walnut, Suite 1570	Suite 1570
CONC	RETE FI	ELD TE	CONCRETE FIELD TEST DATA				ENGINEERING	IRING	Kansas City, I	Kansas City, Missouri 64106
							ASSOCIATES	TES	Phone:	816/421-1042
									Fax:	816/421-1061
SUPPLIER: Fordyce	Fordyce			PROJECT:	St. Luke's E	PROJECT: St. Luke's East-OR Addition #2	tion #2			JOB NO: 2017068.00
DATE:	8/8/2017			CLASS OF MIX:	MIX:	4000				1.0
TICKET NO.	TRUCK NO.	AMT. NO.	BATCH TIME	TEST TIME	AIR TEMP.	CONC. TEMP	SLUMP IN.	AIR. %	CYLINDER SET	LOCATION/REMARKS
21868	139	10/10	5:31	6:20	61	77	8		OR28	Elevated Deck at E'-J/12-15.5
21869	141	10/20	5:42							
21870	140	10/30	5:47							
21871	134	10/40	5:56	6:40	61	78	7.5		OR29	Elevated Deck at E'-J/12-15.5
21872	129	10/50	6:04							
21874	108	10/60	6:24							
21876	112	10/70	6:33							
21878	132	10/80	6:42							
21879	133	10/90	6:54	7:30	63	7.5	7.5		OR30	Elevated Deck at E'-J/12-15.5
21880	130	10/100	6:58							
21881	111	10/110	7:03							
21882	102	10/120	7:08							
21884	110	10/130	7:18							
21886	82	10/140	7:26							
21887	104	10/150	7:31	8:15	65	77	ω		OR31	Elevated Deck at E'-J/12-15.5
21890	139	10/160	7:45							
21893	108	10/170	7:55							
21894	126	10/180	8:01							
21896	132	10/190	8:15	8:50	65	79	8		OR32	Elevated Deck at E'-J/12-15.5
21898	130	10/200	8:25							
21900	102	10/210	8:34							
21901	110	10/220	8:42							



FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2	DATE: 08/09/17 JOB NO: 2017068.00
LOCATION: _ 20 W. NE Saint Luke's Blvd	CONTRACTOR: J.E. Dunn
TO: Mark Brooks	OWNER: Saint Luke's Health System
Saint Luke's Health System	WEATHER: Sunny, 80's
901 E. 104th St.	PRESENT: Construction Personnel
Kansas City, MO 64131	

The following was noted:

- 1. Representative arrived on site to assist with FF/FL testing and to observe reinforcing steel placement and placement of concrete.
- FF/FL testing was completed for elevated deck at 2nd floor between Grids E'-J/12-15.5. See attached FF/FL results.
- 3. Observed placement of approximately 3 cubic yards of 4000-psi concrete for tops of columns at Columns H.3/12.1, J/12.1, G/12.9, J/12.9, G/13.1, J/13.1, G/14, J/14, G/15, and J/15. Concrete was mechanically vibrated during placement.
- 4. Reinforcing bars were placed in substantial accordance with Addendum #2 dated 5/02/17 per detail 3/S4.0.

 cc: Mark Hunter-ACI Boland; Mike Schmelig-JE Dunn;
 Signature:

 Daniel Polletta-JE Dunn; David Jardon-JE Dunn; Bill Lipp-JE Dunn; Brady Myers-JE Dunn; Garrett Estabrook-JE

 Dunn; Andy Nimz-G.J. Shaw; Pat Huss-Fordyce; Krishna Saha – SEA; Bryan Evans-SEA



Special Inspection Daily Report

11529 W. 79th Street, Building 21 Leriexa, KS 66214	Client:	Project:
Phone: 913-962-0909	Structural Engineering Associates, Inc. 1000 Walnut, Suite 1570 Kansas City, MO 64106	B1706665 St. Luke's East OR Addition No. 2 20 NE Saint Luke's Boulevard Lees Summit, MO 64086
Activity Date: 08/09/2017 Technician: Simmons, James	City of: Lee's Summit, MO Braun Intertec PM: Joseph Lorensen	Report Number: 3 Weather: Partly Cloudy 70s

Coverage	Frequency	Notes
Concrete Construction	Periodic	Floor flatness/levelness

Architect/engineer authorized changes to approved plans?: No

Work Completed Description:

Performed floor flatness/levelness testing of Level 2 elevated structural slab for the area E to J, 12 to 15.5 that was placed 8/8/2017. Testing was performed using a FACE Dipstick 2272 and DipFloor 6.2. FF/FL for this area met/exceeded the specified local minimum of 24/15; results attached for two areas tested. FF/FL for Level 2 elevated structurual slab area E to J, 12 to 18.2 met/exceeded the specified overall minimum of 30/20; results attached for overall and individual sections.

Tests Performed:

Floor flatness/levelness

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: No

Attachments

See B1706665 170809 JS Level 2 E-J, 12-18.2 Overall.pdf in the documents section at the end of this report.

To the best of our knowledge, work inspected was done in accordance with the approved plans, specifications and applicable workmanship provisions of the current IBC, except as noted above.

Project Summary	Job Name: Surface:		DR Addition No. 2 I Structural Slab Area E to J, 1	l2 to 18.2
Measured FF: 39.63 Measured FL: 25.12 13 percent exceeds sp 11 percent exceeds sp	Specified FF of 3		Min Local FF: 24.00 Min Local FL: 15.00	
Total area of surface: Area measured:	11362 11362			
Section Name Area E to J, 15.5 to 18 Area E to J, 12 to 13 Area E to J, 13 to 15.5	44.28	FL 26.91 16.78 26.44	Size 4950 1792 4620	

Job: St. Luke's East OR Addition No.2 Surface: Level 2 Elevated Structural Slab **Combined Section**

Section: E to J, 15.5 to 18.2

Measured FF: 37.70 <35.25 - Measured FL: 26.91 <24.96 - 21 percent exceeds minimum 28 percent exceeds minimum	28.86> Specified Fl local FF of 24.		FF: 24.00 FL: 15.00
Run Name	FF	FL	Readings
Line 16.9, J to E	42.19 <49.66-34.72>	23.73 <28.44-19.03>	50
Line 15.8, E to J	38.17 <44.93-31.41>	39.53 <47.36-31.69>	50
Line 17.4, J to E	35.62 <41.93-29.31>	27.36 <32.78-21.93>	50
Line E.5, 18.1 to 16.5	35.62 <41.93-29.31>	37.58 <45.03-30.13>	50
Line 15.6, 17.2	38.59 <45.43-31.76>	21.78 <26.10-17.46>	50
Line 16.1 to 17.8	37.12 <43.70-30.55>	24.13 <28.91-19.35>	50

246 Z-Readings

300 Dipstick Readings

.

Job: St Luke's East OR Add Combined Section	dition No.2 Surface: Level Section: E to	2 Elevated Stru J, 12 to 13	ctural Slab	
Measured FF: 44.28 <38.84 Measured FL: 16.78 <14.23 29 percent exceeds minimum 5 percent exceeds minimum	3 - 19.33> Specified m local FF of 24.	I FF: 30.00 I FL: 20.00	Min Local Min Local	
Run Name	FF	FL	. MA AN IT WE IN THE OF IT IS AN	Readings
Line I, 13 to 12	33.48 <41.65-25.30)> 12.09 <15	.77-8.42>	26
Line F.8, 12 to 13	46.36 <57.68-35.04	l> 16.59 <21	.63-11.55>	26
Line 12.2, E to H.2	42.08 <52.36-31.81	> 18.12 <23	.63-12.61>	26
Line 12.7, J to H.2	92.15 <114.65-69.6	6> 37.98 <49	.52-26.44>	26
	69.7 Doodingo	404 Din 4		***************************************

68 Z-Readings 104 Dipstick Readings

Job: St Luke's East OR Addi Combined Section		Surface: Level 2 Elevated Structural Slab Section: E to J, 13 to 15.5								
Measured FF: 39.90 <36.51 Measured FL: 26.44 <23.93 24 percent exceeds minimum 27 percent exceeds minimum	- 28.95> n local FF of 24.	Specified FF Specified FL		Min Local Min Local						
Run Name Line I.5. 15 to 13.5	FF 28.21 ~2	3.43-23.19>	FL	70 47 70	Readings					
Line F, 13.2 to 14.7		8.20-33.43>		6.78-17.73>	48 48					
Line 15.2, E to J		4.80-44.95>).11-45.75>	40 48					
Line 13.2, J to E	-	4.83-44.97>		.86-23.08>	48					
	450 7 0.		400 D: /		*****					

156 Z-Readings

192 Dipstick Readings

1000 Walnut, Suite 1570 Kansas City, Missouri 64106 Phone: 816/421-1042	816/421-1061	JOB NO: 2017068.00	MADE BY: BRE	LOCATION/REMARKS	Tops of columns at Columns	H.3/12.1, J/12.1, G/12.9,	J/12.9, G/13.1, J/13.1, G/14,	J/14, G/15, and J/15										
1000 Walnut, Suite 1570 Kansas City, Missouri 64 Phone: 816/421-1	Fax:			CYLINDER SET														
URAL ERING ATES				AIR. %														
STRUCTURAL ENGINEERING ASSOCIATES		tion #2		SLUMP IN.														
		PROJECT: St. Luke's East-OR Addition #2	4000	CONC. TEMP														
		St. Luke's E	MIX:	AIR TEMP.													8	
		PROJECT:	CLASS OF MIX:	TEST TIME							5							
ST DATA				BATCH TIME	8:48													
ELD TE				AMT. NO.	3/3								,			-		
CONCRETE FIELD TEST DAT/		Fordyce	8/9/2017	TRUCK NO.	141													
CONC		SUPPLIER: Fordyce	DATE:	TICKET NO.	21922													



FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2	DATE: 08/10/17 JOB NO: 2017068.00
LOCATION: 20 W. NE Saint Luke's Blvd.	CONTRACTOR: J.E. Dunn
TO: Mark Brooks	OWNER: Saint Luke's Health System
Saint Luke's Health System	WEATHER: Sunny, 80's
901 E. 104th St.	PRESENT: Construction Personnel
Kansas City, MO 64131	

The following was noted:

1. Concrete compressive strength testing was completed for cylinder set OR21. See attached Report of Concrete Compressive Strength sheet for testing results.

cc: Mark Hunter-ACI Boland; Mike Schmelig-JE Dunn; Signature: Signature: Daniel Polletta-JE Dunn; David Jardon-JE Dunn; Bill Lipp-JE Dunn; Brady Myers-JE Dunn; Garrett Estabrook-JE Dunn; Andy Nimz-G.J. Shaw; Pat Huss-Fordyce; Krishna Saha – SEA; Bryan Evans-SEA

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

ST. LUKE'S

PROJECT:

ANSAS CIT

TESTING & ENGINEERING, LLC

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K18618

 DATE OF SERVICE:
 07/13/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 07/14/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

		PROJECT DATA	
CONTRACTOR: STRUC	TURAL ENGINEERING ASSOCIA	MIX DESIGN NUMBER: N	/A
CONCRETE SUPPLIER:		DATE OF PLACEMENT: 0	7/13/2017
PLANT:		TIME SAMPLED:	BY: CLIENT
CLASS OF CONCRETE:		BATCH TIME:	
SPECIFICATION REQUIRED STRENGTH: 4500p. SLUMP:		TEMPERATURE (DegF) - AIR: WEATHER: MEASURED SLUMP (in.): AIR CONTENT (%):	
METHOD OF TEST CURING: BEARING CONTACT: TESTING:	ASTM C1231 ASTM C39	TRUCK NO: WATER ADDED @ SITE (gal) LOCATION OF PLACEMENT OR 21	TICKET NO:

REPORT OF TESTS CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINI MARK	ED	DATE	AGE	DIAMETER	AREA	MAXIMUM LOAD	COMPRESSIVE STRENGTH		
SET	MARK	TESTED	(days)	(in.)	(sq.in.)	(lbs. force)	(psl)	FRACTURE TYPE	REMARKS
K1861	A	07/20/2017	7	4.000	12.57	51840	4130	TYPE 3	
K1861	в	08/10/2017	28	4.000	12.57	66880	5320	TYPE 5	
K1861	С	08/10/2017	28	4.000	12.57	67280	5350	TYPE 5	
K1861	D	08/10/2017	28	4.000	12.57	66620	5300	TYPE 5	
K1861	Е	Discard							

Technician: Report Distribution: (1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM

KANSAS CITY TESTING &

DO G ARTH, R.G.

REGISTERED GEOLOGIST

 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
 Fracture

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1000 Walnut, Suite 1570 Kansas City, Missouri 64106 Phone: 816/421-1042 Fax: 816/421-1061

FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2	DATE: 08/11/17 JOB NO: 2017068.00
LOCATION: _ 20 W. NE Saint Luke's Blvd.	CONTRACTOR: J.E. Dunn
TO: Mark Brooks	OWNER: Saint Luke's Health System
Saint Luke's Health System	WEATHER: Sunny, 80's
901 E. 104th St.	PRESENT: Construction Personnel
Kansas City, MO 64131	

The following was noted:

- 1. Representative arrived on site to observe structural steel framing and structural steel welding.
- Structural steel framing and structural steel welding was observed for guard rail at 2nd floor from J/12-16 and E'-J/12 in substantial accordance with Addendum #2 dated 5/02/17 per detail 8/S0.0.
- 3. Structural steel framing and structural steel welding was observed for brick shelf angle at E'-J/12 in substantial accordance with Addendum #2 dated 5/02/17 per details 2/S4.2 and 3/S4.2.
- Concrete compressive strength testing was completed for cylinder sets OR28, OR29, OR30, OR31, and OR32. See attached Report of Concrete Compressive Strength sheet for testing results.

REPORT OF CONCRETE COMPRESSIVE STRENGTH

STRUCTURAL ENGINEERING ASSOCIATES CLIENT: ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

ST. LUKE'S

PROJECT:

NSAS CITY

TESTING & ENGINEERING, LLC

PAGE 1 OF 1

C20-17-158 PROJECT NO .: K19096 REPORT NO .: 08/08/2017 DATE OF SERVICE: NICK PINO AUTHORIZATION: 08/09/2017 REPORT DATE:

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

			PROJECT	DATA		
CONTRACTOR: STI	RUCTURAL ENGINE	ERING ASSOCIA		MIX DESIGN NUMBER:	N/A	
CONCRETE SUPPLIER				DATE OF PLACEMENT:	08/08/2017	
PLANT:				TIME SAMPLED:	BY: CLIENT	
CLASS OF CONCRETE				BATCH TIME:		
				TEMPERATURE (DegF) - AI	R:	CONCRETE:
SPECIFICATION REQU				WEATHER:		
STRENGTH: 400	Opsi @ 28 DAYS			MEASURED SLUMP (in.):		
SLUMP:		AIR:		AIR CONTENT (%):	UN	T WT (pcf)
METHOD OF TEST				TRUCK NO:	TIC	KET NO:
CURING:				WATER ADDED @ SITE (ga	i) -	
BEARING CONTACT:	ASTM C1231			LOCATION OF PLACEMENT	Г	
TESTING:	ASTM C39			OR 28		

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.)	(ibs. force)	(psi)	FRACTURE TYPE	REMARKS
K1909	A	08/11/2017	3	4.000	12.57	50510	4020	TYPE 4	
К1909	в	08/15/2017	7						
K1909	С	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	Е	09/05/2017	28						
K1909	F	Hold							

Technician:

Report Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM

Type 1 Type 2 Type 3 Type 4 Type 5 Type 6 No DOUG ARTH, R.G. Cone Columnar Shear Side Тор REGISTERED GEOLOGIST Fracture Fracture

KANSAS CITY TESTING &

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L

Cone

I

Split



PROJECT:

Kansas City Testing & Engineering, LLC 1308 Adams Street Kansas City, KS 66103 Phone 913.321.8100 Fax 913.321.8181

REPORT OF CONCRETE COMPRESSIVE STRENGTH

STRUCTURAL ENGINEERING ASSOCIATES CLIENT: ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

PAGE 1 OF 1

C20-17-158 PROJECT NO .: REPORT NO .: K19097 08/08/2017 DATE OF SERVICE: NICK PINO AUTHORIZATION: 08/09/2017 REPORT DATE:

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

					PROJECT	DATA		
CONTRACTOR:	STRUCT	TURAL	ENGINEERI	NG ASSOCIA		MIX DESIGN NUMBER:	N/A	
CONCRETE SUPP	LIER:					DATE OF PLACEMENT:	08/08/2017	
PLANT:						TIME SAMPLED:	BY: CLIEN	Т
CLASS OF CONCR	RETE:					BATCH TIME:		
SPECIFICATION R		ENTS				TEMPERATURE (DegF) - A	IR:	CONCRETE:
			8 DAYS			WEATHER:		
	1000000					MEASURED SLUMP (in.):		
SLUMP:			AIR			AIR CONTENT (%):	U	NIT WT (pcf)
METHOD OF TEST	•					TRUCK NO:	Т	ICKET NO:
CURING:		-				WATER ADDED @ SITE (g	al)	
BEARING CONTA TESTING:		ASTM (+-			OR 29	Т	

REPORT OF TESTS CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE	AGE	DIAMETER		MAXIMUM	COMPRESSIVE		
SET	MARK	TESTED	(days)	(in.)	AREA (sq.in.)	LOAD (lbs. force)	STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1909	A	08/11/2017	3	4.000	12.57	54630	4350	TYPE 5	
K1909	В	08/15/2017	7						
K1909	С	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	Е	09/05/2017	28		÷.				
K1909	F	Hold							

Tech	nici:	1000
1001	8 (85,010	

Report Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM

KANSAS CITY TESTING & DOUS ARTH, R.G.

REGISTERED GEOLOGIST

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

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Top

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

ST. LUKE'S

PROJECT:

ISAS CIT

TESTING & ENGINEERING, LLC

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K19098

 DATE OF SERVICE:
 08/08/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 08/09/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA CONCRETE SUPPLIER: PLANT: CLASS OF CONCRETE: SPECIFICATION REQUIREMENTS STRENGTH: 4000psi @ 28 DAYS SLUMP: AIR: METHOD OF TEST CURING: BEARING CONTACT: ASTM C1231 TESTING: ASTM C39

PROJECT DATA

MIX DESIGN NUMBER: N/A 08/08/2017 DATE OF PLACEMENT: BY: CLIENT TIME SAMPLED: BATCH TIME: CONCRETE: TEMPERATURE (DegF) - AIR: WEATHER: MEASURED SLUMP (in.): AIR CONTENT (%): UNIT WT (pcf) TRUCK NO: TICKET NO: WATER ADDED @ SITE (gal) LOCATION OF PLACEMENT OR 30

REPORT OF TESTS CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED			DATE			AGE	DIAMETER	AREA	MAXIMUM LOAD	COMPRESSIVE		
	SET	MARK	TESTED	(days)	(in.)	(sq.ln.)	(lbs. force)	STRENGTH (psi)	FRACTURE TYPE	REMARKS		
	K1909	A	08/11/2017	3	4.000	12.57	62400	4970	TYPE 4			
	K1909	В	08/15/2017	7								
	K1909	С	09/05/2017	28								
	K1909	D	09/05/2017	28								
	K1909	E	09/05/2017	28								
	K1909	F	Ho1d									

Technician:
Report Distribution:
(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM

KANSAS CITY TESTING &

DOUG ARTH, R.G. REGISTERED GEOLOGIST

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Type 6

Top

Fracture Fracture

Side

Type 2 Type 3 Type 4 Type 5

I

Cone Columnar Shear

Type 1

Split

Cone

1001DA

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

ST. LUKE'S

PROJECT:

ISAS CIT

TESTING & ENGINEERING, LLC

PAGE 1 OF 1

PROJECT NO.: C20-17-158 REPORT NO.: K19099 DATE OF SERVICE: 08/08/2017 AUTHORIZATION: NICK PINO REPORT DATE: 08/09/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

PROJECT DATA CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA MIX DESIGN NUMBER: N/A DATE OF PLACEMENT: 08/08/2017 CONCRETE SUPPLIER: BY: CLIENT TIME SAMPLED: PLANT: BATCH TIME: CLASS OF CONCRETE: **TEMPERATURE (DegF) - AIR:** CONCRETE: SPECIFICATION REQUIREMENTS WEATHER: STRENGTH: 4000psi @ 28 DAYS MEASURED SLUMP (in.): AIR: SLUMP: AIR CONTENT (%): UNIT WT (pcf) METHOD OF TEST TRUCK NO: TICKET NO: WATER ADDED @ SITE (gal) CURING: **BEARING CONTACT:** ASTM C1231 LOCATION OF PLACEMENT TESTING: ASTM C39 OR 31

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

MARKED		DATE	AGE	GE DIAMETER	MAXIMUM	COMPRESSIVE			
SET	MARK	TESTED	(days)	(in.)	AREA (sq.in.)	LOAD (lbs. force)	STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1909	A	08/11/2017	3	4.000	12.57	46110	3670	TYPE 4	
K1909	в	08/15/2017	7						
K1909	С	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	E	09/05/2017	28						
K1909	F	Hold							

Technician: Report Distribution:

~~

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM

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

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 |
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 Cone
 Cone
 Columnar
 Shear
 Side
 Top

 Split
 Fracture
 Fracture
 Fracture

Docce, Mit

KANSAS CITY TESTING &

DOUG ARTH, R.G. REGISTERED GEOLOGIST

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1001DA

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

ST. LUKE'S

PROJECT:

ISAS CITY

TESTING & ENGINEERING, LLC

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K19100

 DATE OF SERVICE:
 08/08/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 08/09/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

	PROJECT	DATA		
CONTRACTOR: STRUCTURAL ENGINEERIN	IG ASSOCIA	MIX DESIGN NUMBER:	N/A	
CONCRETE SUPPLIER:		DATE OF PLACEMENT:	08/08/2017	
PLANT:		TIME SAMPLED:	BY: CLIENT	
CLASS OF CONCRETE:		BATCH TIME:		
SPECIFICATION REQUIREMENTS		TEMPERATURE (DegF) - Al	R: C	ONCRETE:
STRENGTH: 4000psi @ 28 DAYS		WEATHER:		
SLUMP: AIR:		MEASURED SLUMP (in.):		
		AIR CONTENT (%):	UNIT W	T (pcf)
METHOD OF TEST		TRUCK NO:	TICKET	NO:
CURING: BEARING CONTACT: ASTM C1231		WATER ADDED @ SITE (ga		
TESTING: ASTM C39		LOCATION OF PLACEMENT OR 32	ſ	

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINE MARK SET		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1910	A	08/11/2017	3	4.000	12.57	61520	4900	TYPE 4	
K1910	В	08/15/2017	7						
K1910	С	09/05/2017	28						
K1910	D	09/05/2017	28						
K1910	E	09/05/2017	28						
K1910	F	Hold							

Technician: Report Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM

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

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 Cone
 Cone
 Columnar
 Shear
 Side
 Top

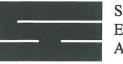
 Split
 Fracture
 Fracture
 Fracture

KANSAS CITY TESTING &

DOUG ARTH, R.G.

REGISTERED GEOLOGIST

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STRUCTURAL ENGINEERING ASSOCIATES

FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2	DATE: 08/15/17 JOB NO: 2017068.00
LOCATION: _ 20 W. NE Saint Luke's Blvd.	CONTRACTOR: J.E. Dunn
TO: Mark Brooks	OWNER: Saint Luke's Health System
Saint Luke's Health System	WEATHER: Sunny, 80's
901 E. 104t h St .	PRESENT: Construction Personnel
Kansas City, MO 64131	

The following was noted:

1. Concrete compressive strength testing was completed for cylinder sets OR 22, OR28, OR29, OR30, OR31, and OR32. See attached Report of Concrete Compressive Strength sheet for testing results.

 cc:
 Mark Hunter-ACI Boland; Mike Schmelig-JE Dunn;
 Signature:

 Daniel Polletta-JE Dunn; David Jardon-JE Dunn; Bill Lipp-JE Dunn; Brady Myers-JE Dunn; Garrett Estabrook-JE

 Dunn; Andy Nimz-G.J. Shaw; Pat Huss-Fordyce; Krishna Saha – SEA; Bryan Evans-SEA

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

ST. LUKE'S

PROJECT:

CANSAS CITY

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K18708

 DATE OF SERVICE:
 07/18/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 07/20/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

	PROJECT DATA
CONTRACTOR: STRUCTURAL ENGINEERING ASS	
CONCRETE SUPPLIER:	DATE OF PLACEMENT: 07/18/2017 TIME SAMPLED: BY: CLIENT
PLANT:	
CLASS OF CONCRETE:	BATCH TIME: TEMPERATURE (DegF) - AIR: CONCRETE:
SPECIFICATION REQUIREMENTS	WEATHER:
STRENGTH: 4000psi @ 28 DAYS	MEASURED SLUMP (in.):
SLUMP: AIR:	AIR CONTENT (%): UNIT WT (pcf)
METHOD OF TEST	TRUCK NO: TICKET NO:
CURING:	WATER ADDED @ SITE (gal)
BEARING CONTACT: ASTM C1231 TESTING: ASTM C39	LOCATION OF PLACEMENT OR 22

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINE MARK		DATE	AGE	DIAMETER	AREA	MAXIMUM	COMPRESSIVE STRENGTH		
SET	MARK	TESTED	(days)	(in.)	(sq.in.)	(lbs. force)	(psi)	FRACTURE TYPE	REMARKS
K1870	A	07/25/2017	7	3.990	12.50	65480	5240	TYPE 5	
K1870	в	08/15/2017	28	4.000	12.57	80980	6440	TYPE 3	
K1870	С	08/15/2017	28	4.000	12.57	80030	6370	TYPE 5	
K1870	D	08/15/2017	28	3.990	12.50	80040	6400	TYPE 5	
K1870	E	Discard							

Technician:

Report Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM KANSAS CITY TESTING &

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REGISTERED GEOLOGIST

Cone Cone Columnar Shear Side Top Split Fracture Fracture

Type 1 Type 2 Type 3 Type 4 Type 5

L

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Type 6

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

ST. LUKE'S

PROJECT:

KANSAS CITY

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K19096

 DATE OF SERVICE:
 08/08/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 08/09/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

		PROJECT DATA	
CONTRACTOR: STRUC	TURAL ENGINEERING ASSOCIA	MIX DESIGN NUMBER:	N/A
CONCRETE SUPPLIER:		DATE OF PLACEMENT:	08/08/2017
PLANT:		TIME SAMPLED:	BY: CLIENT
CLASS OF CONCRETE:		BATCH TIME:	
		TEMPERATURE (DegF) - A	IR: CONCRETE:
SPECIFICATION REQUIREN		WEATHER:	
STRENGTH: 4000ps	i. @ 28 DAYS	MEASURED SLUMP (in.):	
SLUMP:	AIR:	AIR CONTENT (%):	UNIT WT (pcf)
METHOD OF TEST		TRUCK NO:	TICKET NO:
CURING:		WATER ADDED @ SITE (gr	al)
BEARING CONTACT:	ASTM C1231	LOCATION OF PLACEMEN	Т
TESTING:	ASTM C39	OR 28	

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE	AGE	DIAMETER	AREA	MÁXIMUM LOAD	COMPRESSIVE STRENGTH		
SET	MARK	TESTED	(days)	(in.)	(sq.in.)	(lbs. force)	(psi)	FRACTURE TYPE	REMARKS
K1909	A	08/11/2017	3	4.000	12.57	50510	4020	TYPE 4	
K1909	В	08/15/2017	7	3.990	12.50	66030	5280	TYPE 5	
K1909	С	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	Е	09/05/2017	28						
K1909	F	Hold							

Technic	cian:
Report	Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM Drey Nit

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DØUG ARTH, R.G. REGISTERED GEOLOGIST

Cone Cone Columnar Shear Side Top Split Fracture Fracture

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



PROJECT:

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT:	STRUCTURAL ENGINEERING ASSOCIATES
	ATTN: NICK PINO
	1000 WALNUT, SUITE 1570
	KANSAS CITY MO 64106

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K19097

 DATE OF SERVICE:
 08/08/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 08/09/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

	PROJECT	DATA		
CONTRACTOR: STRUCTURAL ENGIN	EERING ASSOCIA	MIX DESIGN NUMBER:	N/A	
CONCRETE SUPPLIER:		DATE OF PLACEMENT:	08/08/2017	
PLANT:		TIME SAMPLED:	BY: CLIEN	r
CLASS OF CONCRETE:		BATCH TIME:		
SPECIFICATION REQUIREMENTS		TEMPERATURE (DegF) - Al	R:	CONCRETE:
STRENGTH: 4000psi @ 28 DAYS		WEATHER:		
		MEASURED SLUMP (in.):		
SLUMP:	AIR:	AIR CONTENT (%):	U	NIT WT (pcf)
METHOD OF TEST		TRUCK NO:	TI	CKET NO:
CURING:		WATER ADDED @ SITE (ga		
BEARING CONTACT: ASTM C1231 TESTING: ASTM C39		OR 29	ŕ	

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED			DATE	AGE	DIAMETER	AREA	MAXIMUM LOAD	COMPRESSIVE		
	\$ET	MARK	TESTED	(days)	(in.)	(sq.in.)	(lbs. force)	STRENGTH (psi)	FRACTURE TYPE	REMARKS
	K1909	A	08/11/2017	3	4.000	12.57	54630	4350	TYPE 5	
	K1909	В	08/15/2017	7	4.000	12.57	67730	5390	TYPE 2	
	K1909	С	09/05/2017	28						
	K1909	D	09/05/2017	28						
	K1909	E	09/05/2017	28						
	K1909	F	Hold							

Technician:

Report Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM

 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
 Fracture

KANSAS CITY TESTING &

DOU# ARTH, R.G. REGISTERED GEOLOGIST

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REPORT OF CONCRETE COMPRESSIVE STRENGTH

STRUCTURAL ENGINEERING ASSOCIATES **CLIENT:** ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

ST. LUKE'S

KANSAS CITY Testing & Engineering, LLC

PAGE 1 OF 1

C20-17-158 PROJECT NO .: K19098 REPORT NO .: 08/08/2017 DATE OF SERVICE: NICK PINO AUTHORIZATION: 08/09/2017 REPORT DATE:

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

						PROJECT	DATA			
CONTRACTOR:	STRUCT	URAL	ENGINE	ERING	ASSOCIA		MIX DESIGN NUMBER:	N/A		
CONCRETE SUPP	LIER:						DATE OF PLACEMENT:	08/08/2		
PLANT:							TIME SAMPLED:	BY:	CLIENT	
CLASS OF CONCE	RETE:						BATCH TIME:			
SPECIFICATION R		INTS					TEMPERATURE (DegF) - A	IR:		CONCRETE:
	4000ps:		8 DAYS				WEATHER:			
	1000100			AIR:			MEASURED SLUMP (in.):			11 PT (P
SLUMP:							AIR CONTENT (%):			WT (pcf)
METHOD OF TEST	Г						TRUCK NO:		TICK	ET NO:
CURING:							WATER ADDED @ SITE (g			
BEARING CONTA		ASTM					LOCATION OF PLACEMEN	T		
TESTING		ASTM	039				OR 30			

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE	AGE	DIAMETER	AREA	MAXIMUM	COMPRESSIVE STRENGTH		
SET	MARK	TESTED	(days)	(in.)	(sq.in.)	(ibs. force)	(psi)	FRACTURE TYPE	REMARKS
K1909	A	08/11/2017	3	4.000	12.57	62400	4970	TYPE 4	
K1909	В	08/15/2017	7	3.990	12.50	68760	5500	TYPE 5	
K1909	С	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	E	09/05/2017	28						
K1909	F	Hold							

Technician:	Tec	hn	ici	an	:
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PROJECT:

Report Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM

KANSAS CITY TESTING &

2 DOUG ARTH, R.G.

REGISTERED GEOLOGIST

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

Тор

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PROJECT:

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K19099

 DATE OF SERVICE:
 08/08/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 08/09/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

CONTRACTOR: SI CONCRETE SUPPLIE	TRUCTURAL ENGINEERING ASSOCIA R:	PROJECT DATA MIX DESIGN NUMBER: DATE OF PLACEMENT:	N/A 08/08/2017
PLANT:		TIME SAMPLED:	BY: CLIENT
CLASS OF CONCRET SPECIFICATION REQU STRENGTH: 40 SLUMP:		BATCH TIME: TEMPERATURE (DegF) - A WEATHER: MEASURED SLUMP (in.): AIR CONTENT (%):	NR: CONCRETE: UNIT WT (pcf)
METHOD OF TEST CURING: BEARING CONTACT TESTING:	: ASTM C1231 ASTM C39	TRUCK NO: WATER ADDED @ SITE (g LOCATION OF PLACEMEN OR 31	

REPORT OF TESTS CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE	AGE	DIAMETER		MAXIMUM	COMPRESSIVE		
SET	MARK	TESTED	(days)	(in.)	AREA (sq.in.)	LOAD (Ibs. force)	STRENGTH (psi)	FRACTURE TYPE	REMARKS
к1909	A	08/11/2017	3	4.000	12.57	46110	3670	TYPE 4	
K1909	В	08/15/2017	7	3.990	12.50	72690	5810	TYPE 1	
K1909	С	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	E	09/05/2017	28						
K1909	F	Hold							

Technician: Report Distribution: (1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM

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Type 6

Тор

Side

Fracture Fracture

Type 1 Type 2 Type 3 Type 4 Type 5

Cone Columnar Shear

Cone

Split



PROJECT:

REPORT OF CONCRETE COMPRESSIVE STRENGTH

CLIENT: STRUCTURAL ENGINEERING ASSOCIATES ATTN: NICK PINO 1000 WALNUT, SUITE 1570 KANSAS CITY MO 64106

PAGE 1 OF 1

 PROJECT NO.:
 C20-17-158

 REPORT NO.:
 K19100

 DATE OF SERVICE:
 08/08/2017

 AUTHORIZATION:
 NICK PINO

 REPORT DATE:
 08/09/2017

SERVICES: Test compressive strength specimens prepared by others and delivered to our laboratory.

			PROJECT	DATA		
CONTRACTOR: STRUC	TURAL ENGINER	ERING ASSOCIA		MIX DESIGN NUMBER:	N/A	
CONCRETE SUPPLIER:				DATE OF PLACEMENT:	08/08/20)17
PLANT:				TIME SAMPLED:	BY:	CLIENT
CLASS OF CONCRETE:				BATCH TIME:		
SPECIFICATION REQUIRE	MENTS		TEMPERATURE (DegF) - AI	CONCRETE:		
STRENGTH: 4000p	si @ 28 DAYS		WEATHER:			
SLUMP:			MEASURED SLUMP (in.):			
METHOD OF TEST		AIR:		AIR CONTENT (%):		UNIT WT (pcf)
CURING:				TRUCK NO:		TICKET NO:
BEARING CONTACT:	ASTM C1231			WATER ADDED @ SITE (ga	,	
TESTING:	ASTM C39			COCATION OF PLACEMENT OR 32	T	

REPORT OF TESTS CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED SET MARK		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)			FRACTURE TYPE	REMARKS			
K1910	A	08/11/2017	3	4.000	12.57	61520	4900	TYPE 4				
K1910	в	08/15/2017	7	4.000	12.57	72700	5790	TYPE 5				
K1910	С	09/05/2017	28				0,00	1111 5				
K1910	D	09/05/2017	28									
K1910	E	09/05/2017	28									
K1910	F	Hold										

Technician:

Report Distribution:

(1) BEVANS@SEASSOCIATES.COM (1) NPINO@SEASSOCIATES.COM

 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
 Fracture

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