

**CITY OF LEE'S SUMMIT  
MISSOURI  
CODES ADMINISTRATION**

**Bi-weekly Special  
Inspections Report**

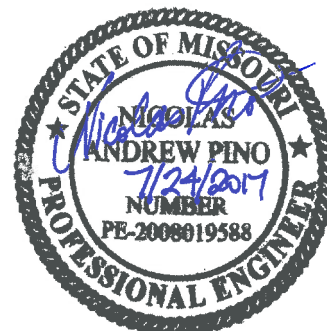
**Project Address** 20 W. NE Saint Luke's Blvd. **Project Name** St. Luke's East OR Addition #2

**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**

- |   |   |
|---|---|
| <input type="checkbox"/> <b>INSPECTION OF WOOD FABRICATION PROCESS</b> per 1704.2.1   | <input type="checkbox"/> <b>INSPECTION OF SOIL CONDITIONS</b> per 1704.7-1704.7.3                       |
| <input type="checkbox"/> <b>INSPECTION OF STEEL FABRICATION PROCESS</b> per 1704.2.1  | <input type="checkbox"/> <b>INSPECTION OF PILE FOUNDATIONS</b> per 1704.8                               |
| <input checked="" type="checkbox"/> <b>INSPECTION OF STEEL</b> per 1704.3-1704.3.3.3  | <input type="checkbox"/> <b>INSPECTION OF PIER FOUNDATIONS</b> per 1704.9                               |
| <input checked="" type="checkbox"/> <b>INSPECTION OF CONCRETE</b> per 1704.4-1704.4.1 | <input type="checkbox"/> <b>INSPECTION OF EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)</b> per 1704.12 |
| <input type="checkbox"/> <b>INSPECTION OF MASONRY</b> per 1704.5                      | <input type="checkbox"/> <b>SPRAYED FIRE-RESISTIVE MATERIALS</b> per 1704.11                            |
|   | <input type="checkbox"/> <b>SMOKE CONTROL SYSTEMS</b> per 1704.14                                       |



Professional Seal \_\_\_\_\_

Signature \_\_\_\_\_

*Andrew Pino*

Date \_\_\_\_\_

*JULY 24, 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 #04

July 17, 2017

1) Summary of work performed from 07/01/17 through 07/15/17

- Concrete: Elevated deck at 2nd floor between Grids E'-J/15.5-18.2; Tops of columns above 2nd floor at Columns G/16, H/16, J/16, H/17, J/17, H/17.8, J/17.8, H/18.2, and J/18.2; Top of existing retaining wall between Grids E'-H; Compressive strength tests.
- FF/FL: Elevated deck at 2nd floor between Grids E'-J/15.5-18.2.
- Drill & Epoxy Adhesive Bars: Into existing beam at elevated deck along Grid E' between Grids 15.5-18.2; into existing retaining wall between Grids E'-H; into top of existing retaining wall between Grids E'-F'.5.
- Bar lock couplers: top of existing retaining wall between Grids F'.5-H.
- Structural steel framing and structural steel welding: Guard rails at 2nd floor from F'-I/18.2, I/17.8-18.2, and J/16-17.8.

2) Changes from drawings/specifications/codes

No items pertain to this time period.

3) Discrepancies with approved plans

Item 7 pertains to this time period.

4) Resolved/corrected discrepancies

Item 7 pertains 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 #04

Item Number	Date	Discrepancy location and description	Reference	Resolution Date
1	3/23/2017	Drawings modified by 'Addendum #1'. Sheets S0.0, S1.0, S1.1, S2.0, and S2.1 were modified or added to contract documents.	Addendum #1	3/23/2017
2	5/2/2017	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 documents.	Addendum #2	5/2/2017
3	5/9/2017	Drawings modified by 'Addendum #3'. Sheets S1.0, S2.0, S2.1, S4.0, and S4.2 were modified or added to contract documents.	Addendum #3	5/9/2017
4	5/15/2017	Drawings modified by 'Addendum #4'. Sheets S1.1 and S2.1 were modified or added to contract documents.	Addendum #4	5/15/2017
5	5/25/2017	Drawings modified by 'Addendum #6'. Sheets S1.1 and S2.0 were modified or added to contract documents.	Addendum #6	5/25/2017
6	6/12/2017	Horizontal reinforcing was epoxied into new columns to attach stem walls to columns.	RFR #01	6/19/2017
7	7/6/2017	Bars were epoxied into existing beam at new joists and beams along Grid E' at 2nd floor instead of using couplers.	RFR #02	7/11/2017



STRUCTURAL  
ENGINEERING  
ASSOCIATES

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

REQUEST FOR RESPONSE  
SPECIAL INSPECTION DISCREPANCY/CHANGE ITEMS  
St. Luke's East - OR Addition #2  
Project # 2017068.00

To: Matt Heller (SEA) Date: 07/06/17

Request #: 02

S.I.R. Item #: \_\_\_\_\_

**Description:**

Existing couplers along E' shown on details 4/S4.2 and 5/S4.2 and described in the joist and beam schedules (details 2/S4.0 and 3/S4.1) were not in the correct location for the new joists and beams to connect to. The contractor epoxied the required bars into the existing beam with minimum 8" embedment and as described on joists J1 and beams B2 and B4. Is this acceptable?

Signed: B. J. E. J.

**Engineer of Records Note:**

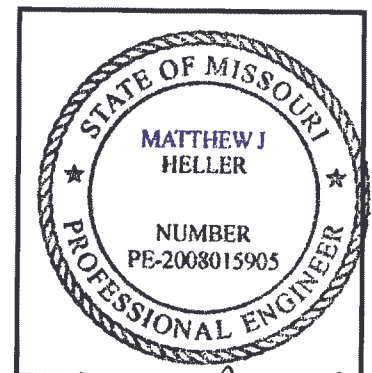
Acceptable X

Not Acceptable \_\_\_\_\_

Acceptable as Noted \_\_\_\_\_

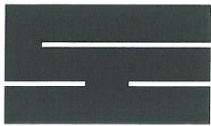
**Engineer of Records Response:**

Seal



Signed Matthew J. Heller

Date 7/11/17



STRUCTURAL  
ENGINEERING  
ASSOCIATES

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:** 07/01/17 **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, 90's  
901 E. 104th St. **PRESENT:** Construction Personnel  
Kansas City, MO 64131

The following was noted:

1. FF/FL results were received for slab-on-grade from E'-J/15-18.2. See attached FF/FL results for testing performed on 6/23/2017.

cc: Mark Hunter-ACI Boland; Mike Schmelig-JE Dunn; Signature: B7E7  
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

OR Addition #2

Shell and Finish Package

Saint Luke's East Hospital

Lee's Summit, Missouri

Project No. C20-17-158

Floor Flatness/Levelness

E to J, 15 to 18.3

23-Jun-17



Run Name	Run Length in Feet	FF	Quantity of qi readings	Progressive sum of qi readings	90% confidence in %	90% confidence interval	Progressively Combined FF	FL	Quantity of zi readings	Progressive sum of zi readings	90% confidence in %	90% confidence interval	Progressively Combined FL
Line 1	50	43	49	49	18.07%	( 35.2 - 50.8 )	43	28	41	41	19.82%	( 22.5 - 33.5 )	28
Line 2	50	31	49	98	18.07%	( 25.4 - 36.6 )	35.6	27	41	82	19.82%	( 21.6 - 32.4 )	27.5
Line 3	50	45	49	147	18.07%	( 36.9 - 53.1 )	38.1	39	41	123	19.82%	( 31.3 - 46.7 )	30.1
Line 4	50	41	49	196	18.07%	( 33.6 - 48.4 )	38.8	21	41	164	19.82%	( 16.8 - 25.2 )	26.8

#### Test Results

FF=39 (35.6 - 42.0)

FL= 27 (24.3 - 29.3)

#### Specifications

Overall FF 35

Overall FL 25

Local FF 25

Local FL 17

Note: Testing was performed in substantial compliance with ASTM E 1155



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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:** 07/03/17      **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, 70'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 OR7. See attached Report of Concrete Compressive Strength sheet for testing results.

cc: Mark Hunter-ACI Boland; Mike Schmelig-JE Dunn;      Signature: B7E7  
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

PAGE 1 OF 1

PROJECT NO.: C-12-059  
REPORT NO.: K17949  
DATE OF SERVICE: 06/05/2017  
AUTHORIZATION: NICK PINO  
REPORT DATE: 06/09/2017

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

**CONTRACTOR:**  
**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

MIX DESIGN NUMBER: N/A  
DATE OF PLACEMENT: 06/05/2017  
TIME SAMPLED: BY: CLIENT

BATCH TIME:

TEMPERATURE (DegF) - AIR:

CONCRETE:

WEATHER:

MEASURED SLUMP (in.):

AIR CONTENT (%):

UNIT WT (pcf)

TRUCK NO:

TICKET NO:

WATER ADDED @ SITE (gal)

LOCATION OF PLACEMENT

OR 7

### 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								
K1794	A	06/12/2017	7	3.990	12.50	74130	5930	TYPE 2	
K1794	B	07/03/2017	28	4.000	12.57	86210	6860	TYPE 2	
K1794	C	07/03/2017	28	4.000	12.57	86810	6910	TYPE 2	
K1794	D	07/03/2017	28	3.990	12.50	86510	6920	TYPE 5	
K1794	E	Discard							

**Technician:**

**Report Distribution:**

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

**KANSAS CITY TESTING &**

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

*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.





STRUCTURAL  
ENGINEERING  
ASSOCIATES

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:** 7/05/17 **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, 90'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 OR8. 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



**KANSAS CITY**  
TESTING & ENGINEERING, LLC

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

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

PAGE 1 OF 1

PROJECT NO.: C-12-059  
REPORT NO.: K18001  
DATE OF SERVICE: 06/07/2017  
AUTHORIZATION: NICK PINO  
REPORT DATE: 06/13/2017

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

**CONTRACTOR:**  
**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

**MIX DESIGN NUMBER:** N/A

**DATE OF PLACEMENT:** 06/07/2017

**TIME SAMPLED:** BY: CLIENT

**BATCH TIME:**

**TEMPERATURE (DegF) - AIR:**

**CONCRETE:**

**WEATHER:**

**MEASURED SLUMP (in.):**

**AIR CONTENT (%):**

**UNIT WT (pcf)**

**TRUCK NO:**

**TICKET NO:**

**WATER ADDED @ SITE (gal)**

**LOCATION OF PLACEMENT**

OR 8

### 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								
K1800	A	06/14/2017	7	4.000	12.57	61220	4870	TYPE 5	
K1800	B	07/05/2017	28	4.000	12.57	84730	6740	TYPE 5	
K1800	C	07/05/2017	28	3.990	12.50	84540	6760	TYPE 5	
K1800	D	07/05/2017	28	3.990	12.50	85260	6820	TYPE 5	
K1800	E	Discard							

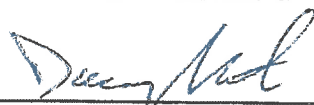
**Technician:**

**Report Distribution:**

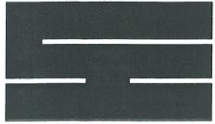
(1) BEVANS@SEASSOCIATES.COM  
(1) KMATCHELL@SEASSOCIATES.COM  
(1) NPINO@SEASSOCIATES.COM

**KANSAS CITY TESTING &**

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

  
DOUG ARTH, R.G.  
REGISTERED GEOLOGIST

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ASSOCIATES

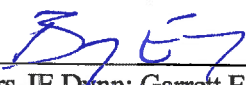
1000 Walnut, Suite 1570  
Kansas City, Missouri 64106  
Phone: 816/421-1042 Fax: 816/421-1061

### FIELD REPORT

**PROJECT:** St. Luke's East-OR Addition #2 **DATE:** 7/06/17 **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, 90's  
901 E. 104th 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 15.5-18.2 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.
3. Concrete compressive strength testing was completed for cylinder set OR9. 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

PAGE 1 OF 1

PROJECT NO.: C-12-059  
REPORT NO.: K18068  
DATE OF SERVICE: 06/08/2017  
AUTHORIZATION: NICK PINO  
REPORT DATE: 06/13/2017

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

**CONTRACTOR:**  
**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

MIX DESIGN NUMBER: N/A  
DATE OF PLACEMENT: 06/08/2017  
TIME SAMPLED: BY: CLIENT  
BATCH TIME:  
TEMPERATURE (DegF) - AIR: CONCRETE:  
WEATHER:  
MEASURED SLUMP (in.):  
AIR CONTENT (%): UNIT WT (pcf)  
TRUCK NO: TICKET NO:  
WATER ADDED @ SITE (gal)  
LOCATION OF PLACEMENT  
OR 9

### 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								
K1806	A	06/15/2017	7	4.000	12.57	62880	5000	TYPE 5	
K1806	B	07/06/2017	28	4.000	12.57	70430	5600	TYPE 3	
K1806	C	07/06/2017	28	4.000	12.57	69850	5560	TYPE 5	
K1806	D	07/06/2017	28	4.000	12.57	70280	5590	TYPE 5	
K1806	E	Discard							

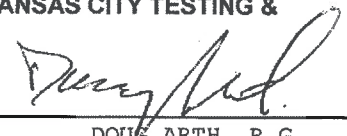
**Technician:**

**Report Distribution:**

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

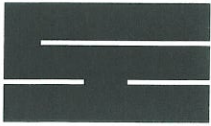
Type 1 Type 2 Type 3 Type 4 Type 5 Type 6  
| | | | | |  
Cone Cone Columnar Shear Side Top  
Split Split Fracture Fracture

**KANSAS CITY TESTING &**

  
DOUG ARTH, R.G.

REGISTERED GEOLOGIST

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### FIELD REPORT

**PROJECT:** St. Luke's East-OR Addition #2 **DATE:** 07/07/17 **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, 90's  
901 E. 104th St. **PRESENT:** Construction Personnel  
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 170 cubic yards of 4000-psi concrete for elevated deck at 2nd floor between Grids E'-J/15.5-18.2. 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, 1/S4.1, 2/S4.1, 3/S4.1, 1/S4.2, 4/S4.2, 5/S4.2, and 6/S4.2.
4. Concrete compressive strength testing was completed for cylinder set OR10. See attached Report of Concrete Compressive Strength sheet for testing results.

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

Signature: B7 E7

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

# CONCRETE FIELD TEST DATA



STRUCTURAL  
ENGINEERING  
ASSOCIATES

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

<b>SUPPLIER:</b> Fordyce		<b>PROJECT:</b> St. Luke's East-OR Addition #2				<b>JOB NO:</b> 2017068.00				
<b>DATE:</b> 7/7/2017		<b>CLASS OF MIX:</b> 4000				<b>MADE BY:</b> BRE				
TICKET NO.	TRUCK NO.	AMT. NO.	BATCH TIME	TEST TIME	AIR TEMP.	CONC. TEMP	SLUMP IN.	AIR. %	CYLINDER SET	LOCATION/REMARKS
20093	108	10/10	6:16	7:10	75	85	7.5		OR17	Elevated deck at 2nd floor
20095	112	10/20	6:37							between Grids E'-J/15.5-18.2
20096	127	10/30	6:46							
20100	131	10/40	7:05	7:45	77	81	7		OR18	Elevated deck at 2nd floor
20103	83	10/50	7:19							between Grids E'-J/15.5-18.2
20105	140	10/60	7:28							
20107	126	10/70	7:37							
20109	108	10/80	7:46							
20111	127	10/90	8:01							
20112	131	10/100	8:19	9:00	80	83	7		OR19	Elevated deck at 2nd floor
20115	140	10/110	8:44							between Grids E'-J/15.5-18.2
20117	134	10/120	8:56							
20119	110	10/130	9:04							
20124	112	10/140	9:21	10:00	83	82	8		OR20	Elevated deck at 2nd floor
20127	133	10/150	9:32							between Grids E'-J/15.5-18.2
20129	131	10/160	9:45							
20131	126	10/170	10:08							

## 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.: C-12-059  
REPORT NO.: K18069  
DATE OF SERVICE: 06/09/2017  
AUTHORIZATION: NICK PINO  
REPORT DATE: 06/13/2017

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

**CONTRACTOR:**  
**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

MIX DESIGN NUMBER: N/A  
DATE OF PLACEMENT: 06/09/2017  
TIME SAMPLED: BY: CLIENT  
BATCH TIME:  
TEMPERATURE (DegF) - AIR: CONCRETE:  
WEATHER:  
MEASURED SLUMP (in.):  
AIR CONTENT (%): UNIT WT (pcf)  
TRUCK NO: TICKET NO:  
WATER ADDED @ SITE (gal)  
LOCATION OF PLACEMENT  
OR 10

### 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								
K1806	A	06/16/2017	7	4.000	12.57	59520	4740	TYPE 5	
K1806	B	07/07/2017	28	4.000	12.57	70070	5580	TYPE 5	
K1806	C	07/07/2017	28	3.990	12.50	69480	5560	TYPE 5	
K1806	D	07/07/2017	28	3.990	12.50	70060	5600	TYPE 5	
K1806	E	Discard							

**Technician:**

**Report Distribution:**

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

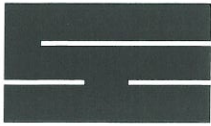
**KANSAS CITY TESTING &**

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

*Doug Arth*  
DOUG ARTH, R.G.

REGISTERED GEOLOGIST

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STRUCTURAL  
ENGINEERING  
ASSOCIATES

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:** 07/10/17 **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, 90'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.
2. FF/FL testing was completed for elevated deck at 2nd floor between Grids E'-J/15.5-18.2. See attached FF/FL results.
3. Concrete compressive strength testing was completed for cylinder sets OR17, OR18, OR19, and OR20. See attached Report of Concrete Compressive Strength sheet for testing results.

cc: Mark Hunter-ACI Boland; Mike Schmelig-JE Dunn; Signature: B7E7  
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  
Lenexa, KS 66214  
Phone: 913-962-0909

**Client:**

Structural Engineering Associates, Inc.  
1000 Walnut, Suite 1570  
Kansas City, MO 64106

**Project:**

B1706665  
St. Luke's East OR Addition No. 2  
20 NE Saint Luke's Boulevard  
Lees Summit, MO 64086

**Activity Date:** 07/10/2017

**City of:** Lee's Summit, MO

**Report Number:** 1

**Technician:** Simmons, James

**Braun Intertec PM:** Joseph Lorensen

**Weather:** Partly Cloudy 80

Coverage	Frequency	Notes
Concrete Construction	Periodic	

Architect/engineer authorized changes to approved plans?: No

**Work Completed Description:**

Performed floor flatness/levelness testing of Level 2 elevated structural slab area E to J, 15.5 to 18.2 that was placed 7/7/2017. FF/FL for this area was 37.70/26.91; this exceeds the minimum required FF/FL of 30/20 and minimum local FF/FL of 24/15. Results attached

**Tests Performed:**

Floor flatness/levelness

**Outstanding discrepancies on this project?:** No

**Report discussed with and sent to contractor?:** No

**Attachments**

See B1706665 170710 JS Level 2 E-J, 15.5-18.2.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.



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 - 40.15>** Specified FF: 30.00 Min Local FF: 24.00  
**Measured FL: 26.91 <24.96 - 28.86>** Specified FL: 20.00 Min Local FL: 15.00  
 21 percent exceeds minimum local FF of 24.  
 28 percent exceeds minimum local FL of 15.

---

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

## 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:

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

**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

MIX DESIGN NUMBER: N/A  
DATE OF PLACEMENT: 07/07/2017  
TIME SAMPLED: BY: CLIENT  
BATCH TIME:  
TEMPERATURE (DegF) - AIR: CONCRETE:  
WEATHER:  
MEASURED SLUMP (in.):  
AIR CONTENT (%): UNIT WT (pcf)  
TRUCK NO: TICKET NO:  
WATER ADDED @ SITE (gal)  
LOCATION OF PLACEMENT  
OR 17

### 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								
K1850	A	07/10/2017	3	4.000	12.57	54770	4360	TYPE 5	
K1850	B	07/14/2017	7						
K1850	C	08/04/2017	28						
K1850	D	08/04/2017	28						
K1850	E	08/04/2017	28						
K1850	F	Hold							


**Technician:**

**Report Distribution:**

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

**KANSAS CITY TESTING &**

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

  
JIM BYRNES, R.G.  
PROJECT MANAGER

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## 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

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

**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

MIX DESIGN NUMBER: N/A  
DATE OF PLACEMENT: 07/07/2017  
TIME SAMPLED: BY: CLIENT  
BATCH TIME:  
TEMPERATURE (DegF) - AIR: CONCRETE:  
WEATHER:  
MEASURED SLUMP (in.):  
AIR CONTENT (%): UNIT WT (pcf)  
TRUCK NO: TICKET NO:  
WATER ADDED @ SITE (gal)  
LOCATION OF PLACEMENT  
OR 18

### 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								
K1850	A	07/10/2017	3	4.000	12.57	58150	4630	TYPE 5	
K1850	B	07/14/2017	7						
K1850	C	08/04/2017	28						
K1850	D	08/04/2017	28						
K1850	E	08/04/2017	28						
K1850	F	Hold							

**Technician:**

**Report Distribution:**

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

**KANSAS CITY TESTING &**

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

*Doug Arth*

DOUG ARTH, R.G.  
REGISTERED GEOLOGIST

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## 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.: K18508  
DATE OF SERVICE: 07/07/2017  
AUTHORIZATION: NICK PINO  
REPORT DATE: 07/10/2017

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

**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

MIX DESIGN NUMBER: N/A  
DATE OF PLACEMENT: 07/07/2017  
TIME SAMPLED: BY: CLIENT  
BATCH TIME:  
TEMPERATURE (DegF) - AIR: CONCRETE:  
WEATHER:  
MEASURED SLUMP (in.):  
AIR CONTENT (%): UNIT WT (pcf)  
TRUCK NO: TICKET NO:  
WATER ADDED @ SITE (gal)  
LOCATION OF PLACEMENT  
OR 19

### 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								
K1850	A	07/10/2017	3	4.000	12.57	63100	5020	TYPE 5	
K1850	B	07/14/2017	7						
K1850	C	08/04/2017	28						
K1850	D	08/04/2017	28						
K1850	E	08/04/2017	28						
K1850	F	Hold							

**Technician:**

**Report Distribution:**

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

**KANSAS CITY TESTING &**

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

*Doug Arth*

DOUG ARTH, R.G.  
REGISTERED GEOLOGIST

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## 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

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

**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

**MIX DESIGN NUMBER:** N/A  
**DATE OF PLACEMENT:** 07/07/2017  
**TIME SAMPLED:** BY: CLIENT  
**BATCH TIME:**  
**TEMPERATURE (DegF) - AIR:** CONCRETE:  
**WEATHER:**  
**MEASURED SLUMP (in.):**  
**AIR CONTENT (%):** UNIT WT (pcf)  
**TRUCK NO:** TICKET NO:  
**WATER ADDED @ SITE (gal)**  
**LOCATION OF PLACEMENT**  
OR 20

### 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								
K1850	A	07/10/2017	3	4.000	12.57	50690	4030	TYPE 5	
K1850	B	07/14/2017	7						
K1850	C	08/04/2017	28						
K1850	D	08/04/2017	28						
K1850	E	08/04/2017	28						
K1850	F	Hold							

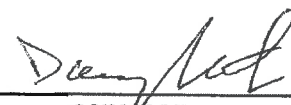
**Technician:**

**Report Distribution:**

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

**KANSAS CITY TESTING &**

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

  
DOUG ARTH, R.G.  
REGISTERED GEOLOGIST

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STRUCTURAL  
ENGINEERING  
ASSOCIATES

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:** 07/11/17 **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, 90's  
901 E. 104th St. **PRESENT:** Construction Personnel  
Kansas City, MO 64131

The following was noted:

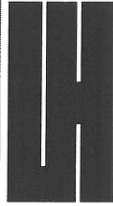
1. Representative arrived on site to observe epoxy bars, reinforcing steel placement, and placement of concrete.
2. Observed placement of approximately 5 cubic yards of 4000-psi concrete for tops of columns above 2nd floor at Columns G/16, H/16, J/16, H/17, J/17, H/17.8, J/17.8, H/18.2, and J/18.2. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #2 dated 5/02/17 per detail 3/S4.0, and with Addendum #6 dated 5/25/17 per detail 1/S2.0.
4. Epoxy bars were epoxied into existing retaining wall between Grids F'-H in substantial accordance with Addendum #2 dated 5/02/17 per detail 6/S1.0.
5. Concrete compressive strength testing was completed for cylinder set OR11. See attached Report of Concrete Compressive Strength sheet for testing results.

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

Signature: B7E7

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

## CONCRETE FIELD TEST DATA



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

[illegible]



## 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.:** C-12-059  
**REPORT NO.:** K18104  
**DATE OF SERVICE:** 06/13/2017  
**AUTHORIZATION:** NICK PINO  
**REPORT DATE:** 06/14/2017

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

**CONTRACTOR:**  
**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

**MIX DESIGN NUMBER:** N/A  
**DATE OF PLACEMENT:** 06/13/2017  
**TIME SAMPLED:** BY: CLIENT  
**BATCH TIME:**  
**TEMPERATURE (DegF) - AIR:** CONCRETE:  
**WEATHER:**  
**MEASURED SLUMP (in.):**  
**AIR CONTENT (%):** UNIT WT (pcf)  
**TRUCK NO:** TICKET NO:  
**WATER ADDED @ SITE (gal)**  
**LOCATION OF PLACEMENT**  
OR 11

### 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								
K1810	A	06/20/2017	7	4.000	12.57	45350	3610	TYPE 2	
K1810	B	07/11/2017	28	4.000	12.57	52970	4220	TYPE 5	
K1810	C	07/11/2017	28	4.000	12.57	53220	4240	TYPE 5	
K1810	D	07/11/2017	28	4.000	12.57	53050	4220	TYPE 1	
K1810	E	Discard							

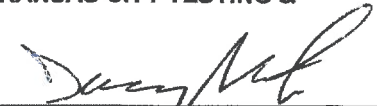
**Technician:**

**Report Distribution:**

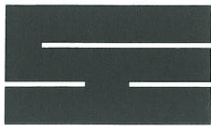
(1) BEVANS@SEASSOCIATES.COM  
(1) KMATCHELL@SEASSOCIATES.COM  
(1) NPINO@SEASSOCIATES.COM

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

**KANSAS CITY TESTING &**

  
DOUG ARTH, R.G.  
REGISTERED GEOLOGIST

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STRUCTURAL  
ENGINEERING  
ASSOCIATES

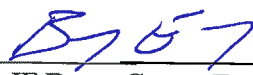
1000 Walnut, Suite 1570  
Kansas City, Missouri 64106  
Phone: 816/421-1042 Fax: 816/421-1061

### FIELD REPORT

**PROJECT:** St. Luke's East-OR Addition #2 **DATE:** 07/12/17 **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, 90's  
901 E. 104th St. **PRESENT:** Construction Personnel  
Kansas City, MO 64131

The following was noted:

1. Representative arrived on site to observe epoxy bars, bar locks, structural steel framing, and structural steel welding.
2. Epoxy bars were epoxied into existing retaining wall between Grids E'-F' in substantial accordance with Addendum #2 dated 5/02/17 per detail 6/S1.0.
3. Epoxy bars were epoxied into the top of existing retaining wall between Grids E'-F'.5 in substantial accordance with Addendum #4 dated 5/15/17 per detail 13/S2.1.
4. Bar locks were placed at top of existing retaining wall between Grids F'.5-H in substantial accordance with Addendum #2 dated 5/02/17 per detail 6/S1.0 and per manufacturer instructions.
5. Structural steel framing and structural steel welding was observed for guard rail at 2nd floor from F'-I/18.2, I/17.8-18.2, and J/16-17.8 in substantial accordance with Addendum #2 dated 5/02/17 per detail 8/S0.0.

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



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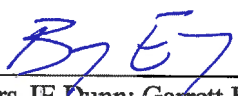
1000 Walnut, Suite 1570  
Kansas City, Missouri 64106  
Phone: 816/421-1042 Fax: 816/421-1061

### FIELD REPORT

**PROJECT:** St. Luke's East-OR Addition #2      **DATE:** 07/13/17      **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, 90's  
901 E. 104th St.      **PRESENT:** Construction Personnel  
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 8 cubic yards of 4500-psi concrete for top of existing retaining wall between Grids E'-H. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #2 dated 5/02/17 per detail 6/S1.0 and with Addendum #4 dated 5/15/17 per detail 13/S2.1.

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





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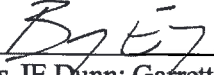
1000 Walnut, Suite 1570  
Kansas City, Missouri 64106  
Phone: 816/421-1042 Fax: 816/421-1061

### FIELD REPORT

**PROJECT:** St. Luke's East-OR Addition #2 **DATE:** 07/14/17 **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, 90'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 sets OR17, OR18, OR19, and OR20.  
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



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Fax 913.321.8181

## 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

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

**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

MIX DESIGN NUMBER: N/A  
DATE OF PLACEMENT: 07/07/2017  
TIME SAMPLED: BY: CLIENT  
BATCH TIME:  
TEMPERATURE (DegF) - AIR: CONCRETE:  
WEATHER:  
MEASURED SLUMP (in.):  
AIR CONTENT (%): UNIT WT (pcf)  
TRUCK NO: TICKET NO:  
WATER ADDED @ SITE (gal)  
LOCATION OF PLACEMENT  
OR 17

### 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								
K1850	A	07/10/2017	3	4.000	12.57	54770	4360	TYPE 5	
K1850	B	07/14/2017	7	4.000	12.57	65290	5200	TYPE 5	
K1850	C	08/04/2017	28						
K1850	D	08/04/2017	28						
K1850	E	08/04/2017	28						
K1850	F	Hold							

**Technician:**

**Report Distribution:**

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

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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

DOUG BARTH, R.G.  
REGISTERED GEOLOGIST

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Fax 913.321.8181

## 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

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

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

MIX DESIGN NUMBER: N/A  
DATE OF PLACEMENT: 07/07/2017  
TIME SAMPLED: BY: CLIENT  
BATCH TIME:  
TEMPERATURE (DegF) - AIR: CONCRETE:  
WEATHER:  
MEASURED SLUMP (in.):  
AIR CONTENT (%): UNIT WT (pcf)  
TRUCK NO: TICKET NO:  
WATER ADDED @ SITE (gal)  
LOCATION OF PLACEMENT  
OR 18

### 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								
K1850	A	07/10/2017	3	4.000	12.57	58150	4630	TYPE 5	
K1850	B	07/14/2017	7	4.000	12.57	67970	5410	TYPE 5	
K1850	C	08/04/2017	28						
K1850	D	08/04/2017	28						
K1850	E	08/04/2017	28						
K1850	F	Hold							

**Technician:**

**Report Distribution:**

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(1) NPINO@SEASSOCIATES.COM

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Split Split Fracture Fracture

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## 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.: K18508  
DATE OF SERVICE: 07/07/2017  
AUTHORIZATION: NICK PINO  
REPORT DATE: 07/10/2017

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

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

MIX DESIGN NUMBER: N/A  
DATE OF PLACEMENT: 07/07/2017  
TIME SAMPLED: BY: CLIENT  
BATCH TIME:  
TEMPERATURE (DegF) - AIR: CONCRETE:  
WEATHER:  
MEASURED SLUMP (in.):  
AIR CONTENT (%): UNIT WT (pcf)  
TRUCK NO: TICKET NO:  
WATER ADDED @ SITE (gal)  
LOCATION OF PLACEMENT  
OR 19

### 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								
K1850	A	07/10/2017	3	4.000	12.57	63100	5020	TYPE 5	
K1850	B	07/14/2017	7	4.000	12.57	75160	5980	TYPE 3	
K1850	C	08/04/2017	28						
K1850	D	08/04/2017	28						
K1850	E	08/04/2017	28						
K1850	F	Hold							


Technician:

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## 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

**PROJECT:** ST. LUKE'S

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

### PROJECT DATA

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

MIX DESIGN NUMBER: N/A  
DATE OF PLACEMENT: 07/07/2017  
TIME SAMPLED: BY: CLIENT  
BATCH TIME:  
TEMPERATURE (DegF) - AIR: CONCRETE:  
WEATHER:  
MEASURED SLUMP (in.):  
AIR CONTENT (%): UNIT WT (pcf)  
TRUCK NO: TICKET NO:  
WATER ADDED @ SITE (gal)  
LOCATION OF PLACEMENT  
OR 20

### 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								
K1850	A	07/10/2017	3	4.000	12.57	50690	4030	TYPE 5	
K1850	B	07/14/2017	7	4.000	12.57	61810	4920	TYPE 5	
K1850	C	08/04/2017	28						
K1850	D	08/04/2017	28						
K1850	E	08/04/2017	28						
K1850	F	Hold							

Technician:

Report Distribution:

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