Phone (816) 969-1200 FAX (816) 969-1201

Report #2

CITY OF LEE'S SUMMIT
MISSOURI
CODES ADMINISTRATION

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 PrCom20171689 **Special Inspection Agency or Agent** Structural Engineering Associates, Inc.

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

Signature Nicolas Pino Date July 6, 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 #02
June 29, 2017

1) Summary of work performed from 06/01/17 through 06/15/17

- Concrete: Grade beams between I-J/17.8, J/16-17.8, I/17.8-18.2, H-J/17, J/15-16, H-J/16, and H-J/15; Columns at J/17.8, H/17, H/16, G/16, H/18.2, I/18.2, J/15, J/16, J/17, G/15, G/14, and J/14; Stem walls at F'-I/18.2, I/17.8-18.2, I-J/17.8, and J/16-17.8; Compressive strength tests.
- Drill & Epoxy Adhesive Bars: into existing footing at J/17.8; into column for stem wall at H/18.2, I/18.2, J/17.8, J/17 and J/16.

2) Changes from drawings/specifications/codes

No items pertain to this time period.

3) Discrepancies with approved plans

Item 6 pertains to this time period.

4) Resolved/corrected discrepancies

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 #02

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 #02	

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:** 06/12/17

Request #: 01

S.I.R. Item #:

Description:

Per phone conversation, the #4 horizontal reinforcing for the stem wall in detail 11/S2.1 located at F'-I/18.2, I/17.8-18.2, I-J/17.8, and J/16-17.8, was epoxied into previously poured columns located at H/18.2, I/18.2, J/17.8, J/17, and J/16 with minimum 6" embedment using Simpson Strong-Tie Epoxy. Is this acceptable?

Signed:

Engineer of Records Note:

Acceptable

Not Acceptable

Acceptable as Noted

Engineer of Records Response:

Seal

Signed

Date

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:** 06/01/17 **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, 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 OR3. See attached Report of Concrete Compressive Strength sheet for testing results.

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

Signature: BJE

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

PROJECT: ST. LUKES OPERATING ROOM 3

PROJECT NO.: C-12-059
REPORT NO.: K17766
DATE OF SERVICE: 05/25/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 05/27/2017

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: 05/25/2017
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
ST. LUKES OPERATING ROOM 3

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED SET	MARK	DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1776	A	06/01/2017	7	4.000	12.57	74930	5960	TYPE 5	
K1776	B	06/22/2017	28						
K1776	C	06/22/2017	28						
K1776	D	06/22/2017	28						
K1776	E	Hold							

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

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

KANSAS CITY TESTING &

DOUG ARTH, R.G.
REGISTERED GEOLOGIST

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:** 06/02/17 **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. Representative arrived on site to observe reinforcing steel placement, placement of concrete, and epoxy bars.
2. Observed placement of approximately 16 cubic yards of 4000-psi concrete for grade beams between Grids I-J/17.8 and J/17.8-16. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #4 dated 5/15/17 per details 6/S2.1, 8/S2.1, and 11/S2.1.
4. Epoxy bars were epoxied into existing footing at J/17.8 in substantial accordance with Addendum #4 dated 5/15/17 per detail 10/S2.1.
5. Concrete compressive strength testing was completed for cylinder set OR4. See attached Report of Concrete Compressive Strength sheet for testing results.

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

Signature: BJG

CONCRETE FIELD TEST DATA

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

SUPPLIER: Fordyce | **PROJECT:** St. Luke's East-OR Addition #2 | **JOB NO:** 2017068.00

DATE: 6/2/2017 | **CLASS OF MIX:** 4000 psi | **MADE BY:** BRE

TICKET NO.	TRUCK NO.	AMT. NO.	BATCH TIME	TEST TIME	AIR TEMP.	CONC. TEMP	SLUMP IN.	AIR. %	CYLINDER SET	LOCATION/REMARKS
28458	102	8/8	14:36	3:20	86	90	3		OR6	Grade beams between Grids
28460	83	8/16	14:46							I-J/17.8 and J/17.8-16

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

PROJECT: ST. LUKES

PROJECT NO.: C-12-059
REPORT NO.: K17838
DATE OF SERVICE: 05/26/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 05/31/2017

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: 05/26/2017
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
OR4

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED SET	MARK	DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1783	A	06/02/2017	7	4.000	12.57	65190	5190	TYPE 5	
K1783	B	06/23/2017	28						
K1783	C	06/23/2017	28						
K1783	D	06/23/2017	28						
K1783	E	Hold							

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

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

KANSAS CITY TESTING &

DOUG ARTH, R.G.
REGISTERED GEOLOGIST

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:** 06/05/17 **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, 70'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 30 cubic yards of 4000-psi concrete for grade beams between Grids I/17.8-18.2, H-J/17, J/15-16, H-J/16, and H-J/15. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #6 dated 5/25/17 per details 9/S2.0, 10/S2.0, 1/S2.1, 5/S2.1, 6/S2.1, 8/S2.1, 9/S2.1, and 11/S2.1.

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

Signature:

CONCRETE FIELD TEST DATA

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

SUPPLIER: Fordyce | **PROJECT:** St. Luke's East-OR Addition #2 | **JOB NO:** 2017068.00

DATE: 6/5/2017 | **CLASS OF MIX:** 4000 psi | **MADE BY:** BRE

TICKET NO.	TRUCK NO.	AMT. NO.	BATCH TIME	TEST TIME	AIR TEMP.	CONC. TEMP	SLUMP IN.	AIR. %	CYLINDER SET	LOCATION/REMARKS
28473	112	10/10	9:22	10:00	71	85	3		OR7	Grade beams between Grids
28477	104	10/20	9:38							I/17.8-18.2, H-J/17, J/15-16,
28478	109	10/30	9:42							H-J/16, and H-J/15

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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:** 06/07/17 **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, 70'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 13 cubic yards of 4000-psi concrete for columns at J/17.8, H/17, H/16, and G/16. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #6 dated 5/25/17 per details 1/S2.0, 3/S2.0, and 4/S2.0.
4. Concrete compressive strength testing was completed for cylinder set OR5. See attached Report of Concrete Compressive Strength sheet for testing results.

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

Signature: BJE

CONCRETE FIELD TEST DATA

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

SUPPLIER: Fordyce | **PROJECT:** St. Luke's East-OR Addition #2 | **JOB NO:** 2017068.00

DATE: 6/7/2017 | **CLASS OF MIX:** 4000 psi | **MADE BY:** BRE

TICKET NO.	TRUCK NO.	AMT. NO.	BATCH TIME	TEST TIME	AIR TEMP.	CONC. TEMP	SLUMP IN.	AIR. %	CYLINDER SET	LOCATION/REMARKS
28620	109	10/10	7:33	8:20	63	80	7		OR8	Columns J/17.8, H/17,
28666	90	3/13	13:26							H/16, and G/16

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

PROJECT: ST. LUKES

PROJECT NO.: C-12-059
REPORT NO.: K17854
DATE OF SERVICE: 05/31/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 06/01/2017

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: 05/31/2017
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
OR5

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED SET	MARK	DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1785	A	06/07/2017	7	3.990	12.50	74370	5950	TYPE 3	
K1785	B	06/28/2017	28						
K1785	C	06/28/2017	28						
K1785	D	06/28/2017	28						
K1785	E	Hold							

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

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

KANSAS CITY TESTING &

DOUG ARTH, R.G.
REGISTERED GEOLOGIST

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:** 06/08/17 **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. Representative arrived on site to observe reinforcing steel placement and placement of concrete.
2. Observed placement of approximately 13 cubic yards of 4000-psi concrete for columns at H/18.2, I/18.2, J/15, J/16, and J/17. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #6 dated 5/25/17 per details 1/S2.0, 3/S2.0, and 4/S2.0.

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

Signature:

CONCRETE FIELD TEST DATA

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

SUPPLIER: Fordyce | **PROJECT:** St. Luke's East-OR Addition #2 | **JOB NO:** 2017068.00

DATE: 6/8/2017 | **CLASS OF MIX:** 4000 psi | **MADE BY:** BRE

TICKET NO.	TRUCK NO.	AMT. NO.	BATCH TIME	TEST TIME	AIR TEMP.	CONC. TEMP	SLUMP IN.	AIR. %	CYLINDER SET	LOCATION/REMARKS
28723	99	6.5/6.5	10:45	11:20	78	86	7		OR9	Columns H/18.2, I/18.2, J/15,
28725	110	3.5/13	11:14							J/16, and J/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:** 06/09/17 **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, 70'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 4000-psi concrete for columns at G/15, G/14, and J/14. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #6 dated 5/25/17 per details 1/S2.0, 3/S2.0, and 4/S2.0.
4. Concrete compressive strength testing was completed for cylinder set OR6. See attached Report of Concrete Compressive Strength sheet for testing results.

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

Signature:

CONCRETE FIELD TEST DATA

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

SUPPLIER: Fordyce | **PROJECT:** St. Luke's East-OR Addition #2 | **JOB NO:** 2017068.00

DATE: 6/9/2017 | **CLASS OF MIX:** 4000 psi | **MADE BY:** KM

TICKET NO.	TRUCK NO.	AMT. NO.	BATCH TIME	TEST TIME	AIR TEMP.	CONC. TEMP	SLUMP IN.	AIR. %	CYLINDER SET	LOCATION/REMARKS
28805	133	8/8	10:11	10:45	85	81	5.5		OR10	Columns G/15, G/14, and
										J/14

KANSAS CITY TESTING & ENGINEERING, LLC

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1308 Adams Street
Kansas City, KS 66103
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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

PROJECT: ST. LUKES

PROJECT NO.: C-12-059
REPORT NO.: K17932
DATE OF SERVICE: 06/02/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 06/08/2017

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: 06/02/2017
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 6

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED SET	MARK	DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1793	A	06/09/2017	7	3.990	12.50	71320	5700	TYPE 5	
K1793	B	06/30/2017	28						
K1793	C	06/30/2017	28						
K1793	D	06/30/2017	28						
K1793	E	Hold							

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

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

KANSAS CITY TESTING &

DOUG ARTH, R.G.
REGISTERED GEOLOGIST

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:** 06/12/17 **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, 70'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 columns for stem wall at H/18.2, I/18.2, J/17.8, J/17, and J/16 with minimum 6" embedment in substantial accordance with RFR #01.
3. Concrete compressive strength testing was completed for cylinder set OR7. See attached Report of Concrete Compressive Strength sheet for testing results.

Signature:

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

PROJECT: ST. LUKE'S

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

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 SET	MARK	DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1794	A	06/12/2017	7	3.990	12.50	74130	5930	TYPE 2	
K1794	B	07/03/2017	28						
K1794	C	07/03/2017	28						
K1794	D	07/03/2017	28						
K1794	E	Hold							

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

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

KANSAS CITY TESTING &

DOUG ARTH, R.G.
REGISTERED GEOLOGIST

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:** 06/13/17 **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, 70'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 7 cubic yards of 4500-psi concrete for stem wall at F'-I/18.2, I/17.8-18.2, I-J/17.8, and J/16-17.8. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #4 dated 5/15/17 per detail 11/S2.1 and RFR #01.

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

Signature: BJE

CONCRETE FIELD TEST DATA

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

SUPPLIER: Fordyce | **PROJECT:** St. Luke's East-OR Addition #2 | **JOB NO:** 2017068.00

DATE: 6/13/2017 | **CLASS OF MIX:** 4500 psi | **MADE BY:** BRE

TICKET NO.	TRUCK NO.	AMT. NO.	BATCH TIME	TEST TIME	AIR TEMP.	CONC. TEMP	SLUMP IN.	AIR. %	CYLINDER SET	LOCATION/REMARKS
28930	102	7/7	8:59	9:45	81	89	6		OR11	Stem wall at F-I/18.2, I/18.2-
										17.8, I-J/17.8, and J/17.8-16

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:** 06/14/17 **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, 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 OR8. See attached Report of Concrete Compressive Strength sheet for testing results.

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

Signature:

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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

PROJECT: ST. LUKE'S

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

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 SET	MARK	DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1800	A	06/14/2017	7	4.000	12.57	61220	4870	TYPE 5	
K1800	B	07/05/2017	28						
K1800	C	07/05/2017	28						
K1800	D	07/05/2017	28						
K1800	E	Hold							

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

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

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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:** 06/15/17 **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, 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 OR9. See attached Report of Concrete Compressive Strength sheet for testing results.

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

Signature: BJC

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REPORT OF CONCRETE COMPRESSIVE STRENGTH

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

PROJECT: ST. LUKE'S

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

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 SET	MARK	DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1806	A	06/15/2017	7	4.000	12.57	62880	5000	TYPE 5	
K1806	B	07/06/2017	28						
K1806	C	07/06/2017	28						
K1806	D	07/06/2017	28						
K1806	E	Hold							

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

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

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