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

Report #3

8-18-5

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 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 10, 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 #03
July 05, 2017

1) Summary of work performed from 06/16/17 through 06/30/17

   - Concrete: Slab-on-grade at E'-J/15-18.2; Retaining wall along grid 12 between H and west of Grid J; Compressive strength tests.
   - Drill & Epoxy Adhesive Bars: into existing retaining wall at H/12.

2) Changes from drawings/specifications/codes

   No items pertain to this time period.

3) Discrepancies with approved plans

   No items pertain to this time period.

4) Resolved/corrected discrepancies

   Item 6 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 #03

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	6/19/2017

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:** 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 X

Not Acceptable

Acceptable as Noted

Engineer of Records Response:

Seal

Signed

Date 6/19/17

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:** 06/16/17 **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 OR10. 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:

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.: K18069
DATE OF SERVICE: 06/09/2017
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: 06/09/2017
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 SET	MARK	DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1806	A	06/16/2017	7	4.000	12.57	59520	4740	TYPE 5	
K1806	B	07/07/2017	28						
K1806	C	07/07/2017	28						
K1806	D	07/07/2017	28						
K1806	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:** 06/20/17 **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 OR11. 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. LUKE'S

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

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: 4500psi @ 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 SET	MARK	DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1810	A	06/20/2017	7	4.000	12.57	45350	3610	TYPE 2	
K1810	B	07/11/2017	28						
K1810	C	07/11/2017	28						
K1810	D	07/11/2017	28						
K1810	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:** 06/21/17 **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 existing retaining wall at H/12 in substantial accordance with Addendum #4 dated 5/15/17 per detail 15/S2.1.
3. Concrete compressive strength testing was completed for cylinder sets OR1 and OR2. 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:

KC TE KANSAS CITY TESTING & ENGINEERING, LLC

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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: OPERATING ROOM #1
ST. LUKES

PROJECT NO.: C-12-059
REPORT NO.: K17732
DATE OF SERVICE: 05/24/2017
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: 05/24/2017
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 1

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
K1773	A	05/31/2017	7	4.000	12.57	69460	5530	TYPE 5	
K1773	B	06/21/2017	28	4.000	12.57	89830	7150	TYPE 5	
K1773	C	06/21/2017	28	4.000	12.57	90220	7180	TYPE 5	
K1773	D	06/21/2017	28	4.000	12.57	89980	7160	TYPE 5	
K1773	E	Discard							

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

KC TE 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: OPERATING ROOM #2
ST. LUKES

PROJECT NO.: C-12-059
REPORT NO.: K17733
DATE OF SERVICE: 05/24/2017
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: 05/24/2017
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 2

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
K1773	A	05/31/2017	7	4.000	12.57	70380	5600	TYPE 5	
K1773	B	06/21/2017	28	4.000	12.57	86310	6870	TYPE 3	
K1773	C	06/21/2017	28	4.000	12.57	86720	6900	TYPE 5	
K1773	D	06/21/2017	28	4.000	12.57	85930	6840	TYPE 5	
K1773	E	Discard							

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:** 06/22/17 **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 130 cubic yards of 4000-psi concrete for slab-on-grade at E'-J/15-18.2. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #6 dated 5/25/17 per detail 1/S1.1.
4. 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:

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: 6/22/2017 | **CLASS OF MIX:** 4000 | **MADE BY:** BRE

TICKET NO.	TRUCK NO.	AMT. NO.	BATCH TIME	TEST TIME	AIR TEMP.	CONC. TEMP	SLUMP IN.	AIR. %	CYLINDER SET	LOCATION/REMARKS
29383	141	10/10	5:54	6:40	70	84	7.5		OR12	Slab-on-grade at E'-J/15-18.2
29385	134	10/20	6:17							
29388	108	10/30	6:34							
29395	109	10/40	7:19	8:00	73	82	7		OR13	Slab-on-grade at E'-J/15-18.2
29401	92	10/50	7:46							
29406	112	10/60	8:04							
29409	129	10/70	8:26							
29410	134	10/80	8:35							
29413	130	10/90	8:51	9:30	79	84	6.5		OR14	Slab-on-grade at E'-J/15-18.2
29415	127	10/100	9:01							
29416	99	10/110	9:05							
29421	102	10/120	9:34							
29422	112	10/130	9:51							

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Kansas City Testing & Engineering, LLC
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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 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

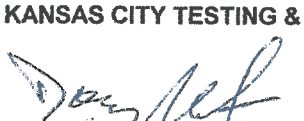
CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

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	3.990	12.50	88860	7110	TYPE 1	
K1776	C	06/22/2017	28	4.000	12.57	89510	7120	TYPE 1	
K1776	D	06/22/2017	28	4.000	12.57	89620	7130	TYPE 1	
K1776	E	Discard							

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:** 06/23/17 **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 75 cubic yards of 4500-psi concrete for new retaining wall along Grid 12 between H and west of Grid J. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #2 dated 5/02/17 per details 1/S1.0, 2/S1.0, 3/S1.0, 4/S1.0, and 5/S1.0, and in substantial accordance with Addendum #4 dated 5/15/17 per details 7/S2.1, 14/S2.1, and 15/S2.1.
4. 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: BJ67

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: 6/23/2017 | **CLASS OF MIX:** 4500 | **MADE BY:** BRE

TICKET NO.	TRUCK NO.	AMT. NO.	BATCH TIME	TEST TIME	AIR TEMP.	CONC. TEMP	SLUMP IN.	AIR. %	CYLINDER SET	LOCATION/REMARKS
29534	131	10/10	9:22	10:10	76	85	7.5	6.8	OR15	Retaining wall along Grid
29536	112	10/20	9:41							12 between H and west of
29538	129	10/30	9:48							Grid J
29543	126	10/40	10:10							
29550	131	10/50	10:51	11:25	79	88	5.5	5.8	OR16	Retaining wall along Grid
29552	112	10/60	11:04							12 between H and west of
29554	127	10/70	11:23							Grid J
29555	139	5/75	11:33							

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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
OR #4

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	4.000	12.57	80730	6420	TYPE 5	
K1783	C	06/23/2017	28	4.000	12.57	80330	6390	TYPE 5	
K1783	D	06/23/2017	28	4.000	12.57	80460	6400	TYPE 1	
K1783	E	Discard							

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:** 06/26/17 **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 sets OR12, OR13, OR14, OR15, and OR16. 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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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.: K18327
DATE OF SERVICE: 06/22/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 06/23/2017

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: 06/22/2017
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 12

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
K1832	A	06/26/2017	4	3.990	12.50	64170	5130	TYPE 5	
K1832	B	06/29/2017	7						
K1832	C	07/20/2017	28						
K1832	D	07/20/2017	28						
K1832	E	07/20/2017	28						
K1832	F	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

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.: K18328
DATE OF SERVICE: 06/22/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 06/23/2017

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: 06/22/2017
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 13

REPORT OF TESTS

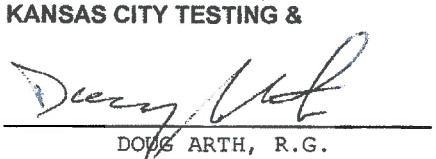
CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED SET	MARK	DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
K1832	A	06/26/2017	4	4.000	12.57	60180	4790	TYPE 5	
K1832	B	06/29/2017	7						
K1832	C	07/20/2017	28						
K1832	D	07/20/2017	28						
K1832	E	07/20/2017	28						
K1832	F	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 &



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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.: K18329
DATE OF SERVICE: 06/22/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 06/23/2017

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: 06/22/2017
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 14

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
K1832	A	06/26/2017	4	4.000	12.57	64110	5100	TYPE 5	
K1832	B	06/29/2017	7						
K1832	C	07/20/2017	28						
K1832	D	07/20/2017	28						
K1832	E	07/20/2017	28						
K1832	F	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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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.: C20-17-158
REPORT NO.: K18338
DATE OF SERVICE: 06/23/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 06/26/2017

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: 4500psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 06/23/2017
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 15

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
K1833	A	06/26/2017	3	3.990	12.50	57510	4600	TYPE 5	
K1833	B	06/30/2017	7						
K1833	C	07/21/2017	28						
K1833	D	07/21/2017	28						
K1833	E	07/21/2017	28						
K1833	F	Hold							

Technician:
Report Distribution:
(1) BEVANS@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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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.: C20-17-158
REPORT NO.: K18339
DATE OF SERVICE: 06/23/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 06/26/2017

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: 4500psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 06/23/2017
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 16

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
K1833	A	06/26/2017	3	3.990	12.50	67130	5370	TYPE 5	
K1833	B	06/30/2017	7						
K1833	C	07/21/2017	28						
K1833	D	07/21/2017	28						
K1833	E	07/21/2017	28						
K1833	F	Hold							

Technician:
Report Distribution:
(1) BEVANS@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 &

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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:** 06/28/17 **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 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:

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	3.990	12.50	92860	7430	TYPE 5	
K1785	C	06/28/2017	28	4.000	12.57	93280	7420	TYPE 5	
K1785	D	06/28/2017	28	4.000	12.57	92770	7380	TYPE 5	
K1785	E	Discard							

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 &

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REGISTERED GEOLOGIST

STRUCTURAL
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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:** 06/29/17 **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 sets OR12, OR13, and OR14. 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:

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.: K18327
DATE OF SERVICE: 06/22/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 06/23/2017

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: 06/22/2017
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 12

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
K1832	A	06/26/2017	4	3.990	12.50	64170	5130	TYPE 5	
K1832	B	06/29/2017	7	4.000	12.57	66390	5280	TYPE 5	
K1832	C	07/20/2017	28						
K1832	D	07/20/2017	28						
K1832	E	07/20/2017	28						
K1832	F	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

KC TE 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.: K18328
DATE OF SERVICE: 06/22/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 06/23/2017

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: 06/22/2017
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 13

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
K1832	A	06/26/2017	4	4.000	12.57	60180	4790	TYPE 5	
K1832	B	06/29/2017	7	4.000	12.57	69900	5560	TYPE 5	
K1832	C	07/20/2017	28						
K1832	D	07/20/2017	28						
K1832	E	07/20/2017	28						
K1832	F	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

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.: K18329
DATE OF SERVICE: 06/22/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 06/23/2017

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: 06/22/2017
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 14

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
K1832	A	06/26/2017	4	4.000	12.57	64110	5100	TYPE 5	
K1832	B	06/29/2017	7	4.000	12.57	70680	5620	TYPE 5	
K1832	C	07/20/2017	28						
K1832	D	07/20/2017	28						
K1832	E	07/20/2017	28						
K1832	F	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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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:** 06/30/17 **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 sets OR6, OR15, and OR16. 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: BTE

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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
E	A	06/09/2017	7	3.990	12.50	71320	5700	TYPE 5	
E	B	06/30/2017	28	4.000	12.57	94450	7520	TYPE 5	
E	C	06/30/2017	28	4.000	12.57	94650	7530	TYPE 5	
E	D	06/30/2017	28	4.000	12.57	94650	7530	TYPE 5	
E	E	Discard							

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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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.: C20-17-158
REPORT NO.: K18338
DATE OF SERVICE: 06/23/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 06/26/2017

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: 4500psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 06/23/2017
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 15

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
K1833	A	06/26/2017	3	3.990	12.50	57510	4600	TYPE 5	
K1833	B	06/30/2017	7	4.000	12.57	58400	4650	TYPE 5	
K1833	C	07/21/2017	28						
K1833	D	07/21/2017	28						
K1833	E	07/21/2017	28						
K1833	F	Hold							

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

KANSAS CITY TESTING &

DOUG ARTH, R.G.
REGISTERED GEOLOGIST

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

KC TE KANSAS CITY TESTING & ENGINEERING, LLC

Kansas City Testing & Engineering, LLC
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Kansas City, KS 66103
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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.: C20-17-158
REPORT NO.: K18339
DATE OF SERVICE: 06/23/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 06/26/2017

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: 4500psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 06/23/2017
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 16

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
K1833	A	06/26/2017	3	3.990	12.50	67130	5370	TYPE 5	
K1833	B	06/30/2017	7	4.000	12.57	68350	5440	TYPE 5	
K1833	C	07/21/2017	28						
K1833	D	07/21/2017	28						
K1833	E	07/21/2017	28						
K1833	F	Hold							

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