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

Report #5

8-18-5

CITY OF LEE'S SUMMIT
MISSOURI
CODES ADMINISTRATION

Bi-weekly Special Inspections Report

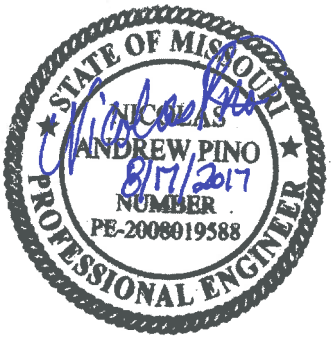
Project Address 20 W. NE Saint Luke's Blvd. **Project Name** St. Luke's East OR Addition #2

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 AUGUST 17, 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 #05
August 07, 2017

1) Summary of work performed from 07/16/17 through 07/31/17

- Concrete: Grade beams at F'-H.5/12, G/12.9-F/12, G/12.9-H/12, and E'-J/13, G/13-14, and J/12-14; Columns from ground to 2nd floor at J/12.1, J/13.1, G/13.1, G/12.9, J/12.9, and H.3/12.1; Slab-on-grade from E'-J/12-15; Compressive strength tests.
- FF/FL: Slab-on-grade from E'-J/12-15.
- Drill & Epoxy Adhesive Bars: Into retaining wall for new grade beam between F'-H.5; into existing beam for new grade beam at E'/13; into top of existing retaining wall at F'-H.3/12; into existing slab-on-grade along Grid 15.

2) Changes from drawings/specifications/codes

No items pertain to this time period.

3) Discrepancies with approved plans

Items 8 and 9 pertain to this time period.

4) Resolved/corrected discrepancies

Items 8 and 9 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 #05

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
8	7/21/2017	Column H.3/12 was moved 4 5/8" closer to Grid G.	RFI #0027	7/24/2017
9	7/27/2017	Bars were epoxied into slab-on-grade at Grid 15 where reinforcing was not lapped over construction joint.	RFR #03	7/28/2017

J.E. Dunn Construction Company
1001 Locust St
Kansas City MO 64106

Request For Information
17033700-0027

Printed On: 07/21/2017

Subject: Column H.3 / 12.1 Line Offset
Project: Saint Luke's East OR Expansion
Address: 100 NE Saint Luke's BLVD
Lee's Summit MO 64086 US
Phone: **Fax:**

To: Mark Hunter
ACI BOLAND INC

From: J.E. Dunn Construction Company Aj Devlin

Date: 07/21/2017
Job: 17033700
Required: 07/26/2017
Est. Cost Impact: $
Est. Days Impact:

Co-Author: JE DUNN CONSTRUCTION CO ***Contact:*** Mike Schmelig ***Co-Author RFI Number:*** 3

Reference:

Spec Section:
Spec Section:
Spec Section:

Drawings: S1.0
Drawings:
Drawings:

Request

Please confirm that it is acceptable if column H.3 / 12.a is cast 11'-5" (centerline) off G line in lieu of 11' - 9 5/8".

Suggestion

Answer ☐ **Accept Suggestion**

This is acceptable.

Answered By: Matt Heller

Signed: Matt Heller

Date: 7/24/17

Distribution:

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:** 07/27/17

Request #: 03

S.I.R. Item #:

Description:

Slab-on-grade was split into two pours with a construction joint at Grid 15. During the first slab-on-grade pour from E'-J/15-18.2 the slab reinforcing mesh was not extended beyond the pour to lap into the second pour. Prior to the second pour, #4 bars were epoxied into existing slab at 12"o.c. with minimum 6" embedment. Is this acceptable?

Signed: BY EOR

Engineer of Records Note:

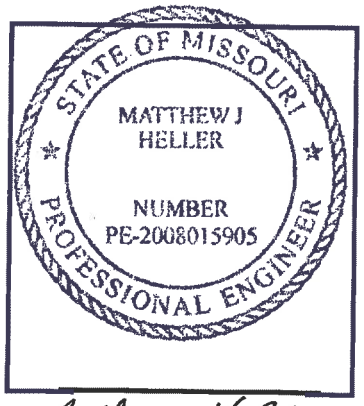
Acceptable

Not Acceptable

Acceptable as Noted X

Engineer of Records Response:

Seal



Signed Matthew J Heller

Date 7/28/17

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:** 07/18/17 **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, placement of concrete, and epoxy dowels.
2. Observed placement of approximately 10 cubic yards of 4000-psi concrete for grade beams at F'-H.5/12, G/12.9-F/12, and G/12.9-H/12. 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 5/S2.1.
4. Epoxy bars were epoxied into retaining wall for new grade beam between F'-H.5 in substantial accordance with Addendum #2 dated 5/02/17 per detail 6/S1.0.

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: BJC

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
DATE: 7/18/2017
PROJECT: St. Luke's East-OR Addition #2
CLASS OF MIX: 4000
JOB NO: 2017068.00
MADE BY: BRE

TICKET NO.	TRUCK NO.	AMT. NO.	BATCH TIME	TEST TIME	AIR TEMP.	CONC. TEMP	SLUMP IN.	AIR. %	CYLINDER SET	LOCATION/REMARKS
20790	111	10/10	13:41	2:30	89	89	3		OR22	Grade beams at F'-H.5/12, G/12.9-F/12, and G/12.9-H/12

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:** 07/19/17 **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:** Cloudy, 80'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 dowels.
2. Observed placement of approximately 30 cubic yards of 4000-psi concrete for grade beams at E'-J/13, G/13-14, and J/12-14. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #4 dated 5/15/17 per details 5/S2.0, 7/S2.0, 1/S2.1, 3/S2.1, and 5/S2.1.
4. Epoxy bars were epoxied into existing beam for new grade beam at E'/13 in substantial accordance with Addendum #4 dated 5/15/17 per detail 5/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: 7/19/2017 | **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
20863	126	10/10	13:11	1:45	83	86	4		OR23	Grade beams at E'-J/13,
20867	109	10/20	13:40							G/13-14, and J/12-14
20872	131	10/30	14:22							

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:** 07/20/17 **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, 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 6 cubic yards of 4000-psi concrete for columns from ground floor to 2nd Level at Columns J/12.1, J/13.1 and G/13.1. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #6 dated 5/25/17 per detail 1/S2.0.
4. Concrete compressive strength testing was completed for cylinder sets OR12, OR13, OR14, and OR21. 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: 7/20/2017 | **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
20939	108	6/6	13:04	1:40	94	90	5		OR24	Columns J/12.1, J/13.1, and
										G/13.1

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	4.000	12.57	83570	6650	TYPE 5	
K1832	D	07/20/2017	28	4.000	12.57	83910	6680	TYPE 5	
K1832	E	07/20/2017	28	4.000	12.57	83030	6610	TYPE 5	
K1832	F	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: 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	4.000	12.57	81930	6520	TYPE 5	
K1832	D	07/20/2017	28	4.000	12.57	81940	6520	TYPE 5	
K1832	E	07/20/2017	28	4.000	12.57	82710	6580	TYPE 5	
K1832	F	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

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	4.000	12.57	87490	6960	TYPE 5	
K1832	D	07/20/2017	28	4.000	12.57	86820	6910	TYPE 5	
K1832	E	07/20/2017	28	4.000	12.57	86560	6890	TYPE 5	
K1832	F	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: ST. LUKE'S

PROJECT NO.: C20-17-158
REPORT NO.: K18618
DATE OF SERVICE: 07/13/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 07/14/2017

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

PROJECT DATA

CONTRACTOR: 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: 07/13/2017
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 21

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
K1861	A	07/20/2017	7	4.000	12.57	51840	4130	TYPE 3	
K1861	B	08/10/2017	28						
K1861	C	08/10/2017	28						
K1861	D	08/10/2017	28						
K1861	E	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 &

DOUG ARTH, R.G.
REGISTERED GEOLOGIST

STRUCTURAL
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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:** 07/21/17 **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, 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 2 cubic yards of 4000-psi concrete for column from ground floor to 2nd Level at Column G/12.9. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #6 dated 5/25/17 per detail 1/S2.0.
4. Concrete compressive strength testing was completed for cylinder sets 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: BTC

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: 7/21/2017 | **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
21028	129	2/2	12:23							Column G/12.9

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.: 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	3.990	12.50	68840	5510	TYPE 5	
K1833	D	07/21/2017	28	4.000	12.57	69180	5510	TYPE 5	
K1833	E	07/21/2017	28	4.000	12.57	68960	5490	TYPE 1	
K1833	F	Discard							

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 &

DOUG ARTH, R.G.
REGISTERED GEOLOGIST

KC TE KANSAS CITY TESTING & ENGINEERING, LLC

Kansas City Testing & Engineering, LLC
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Kansas City, KS 66103
Phone 913.321.8100
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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	4.000	12.57	82580	6570	TYPE 5	
K1833	D	07/21/2017	28	4.000	12.57	81940	6520	TYPE 5	
K1833	E	07/21/2017	28	4.000	12.57	81870	6520	TYPE 5	
K1833	F	Discard							

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 &

DOUG ARTH, R.G.
REGISTERED GEOLOGIST

STRUCTURAL
ENGINEERING
ASSOCIATES

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Kansas City, Missouri 64106
Phone: 816/421-1042 Fax: 816/421-1061

FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2 **DATE:** 07/24/17 **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 4.5 cubic yards of 4000-psi concrete for columns from ground floor to 2nd Level at Columns J/12.9 and H.3/12.1. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #6 dated 5/25/17 per detail 1/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: 7/24/2017
CLASS OF MIX: 4000
MADE BY: KM

TICKET NO.	TRUCK NO.	AMT. NO.	BATCH TIME	TEST TIME	AIR TEMP.	CONC. TEMP	SLUMP IN.	AIR. %	CYLINDER SET	LOCATION/REMARKS
12569	134	4.5/4.5	12:07							Columns J/12.9 and H.3/12.1

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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:** 07/25/17 **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 OR22. 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: BJ05

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Kansas City Testing & Engineering, LLC
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. LUKE'S

PROJECT NO.: C20-17-158
REPORT NO.: K18708
DATE OF SERVICE: 07/18/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 07/20/2017

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING 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: 07/18/2017
TIME SAMPLED: BY: CLIENT
BATCH TIME:
TEMPERATURE (DegF) - AIR: CONCRETE:
WEATHER:
MEASURED SLUMP (in.):
AIR CONTENT (%): UNIT WT (pcf)
TRUCK ND: TICKET NO:
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
OR 22

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
K1870	A	07/25/2017	7	3.990	12.50	65480	5240	TYPE 5	
K1870	B	08/15/2017	28						
K1870	C	08/15/2017	28						
K1870	D	08/15/2017	28						
K1870	E	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 &

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:** 07/26/17 **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:** Cloudy, 80's

901 E. 104th St. **PRESENT:** Construction Personnel

Kansas City, MO 64131

The following was noted:

1. Concrete compressive strength testing was completed for cylinder set OR23. 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

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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.: C20-17-158
REPORT NO.: K18710
DATE OF SERVICE: 07/19/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 07/20/2017

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING 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: 07/19/2017
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 23

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
K1871	A	07/26/2017	7	3.990	12.50	77350	6190	TYPE 5	
K1871	B	08/16/2017	28						
K1871	C	08/16/2017	28						
K1871	D	08/16/2017	28						
K1871	E	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 &

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:** 07/27/17 **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:** Cloudy, 80's

901 E. 104th St. **PRESENT:** Construction Personnel

Kansas City, MO 64131

The following was noted:

1. Representative arrived on site to observe epoxy dowels.
2. Epoxy bars were epoxied into existing slab-on-grade along Grid 15 in substantial accordance with RFR #3 dated 7/27/18.
3. Epoxy bars were epoxied into top of existing retaining wall at F'-H.3/12 in substantial accordance with Addendum #4 dated 5/15/17 per detail 13/S2.1.
4. Concrete compressive strength testing was completed for cylinder set OR24. 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.: C20-17-158
REPORT NO.: K18747
DATE OF SERVICE: 07/20/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 07/21/2017

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: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 07/20/2017
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 24

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
K1874	A	07/27/2017	7	4.000	12.57	76440	6080	TYPE 5	
K1874	B	08/17/2017	28						
K1874	C	08/17/2017	28						
K1874	D	08/17/2017	28						
K1874	E	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 &

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:** 07/28/17 **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, 80'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 from E'-J/12-15. 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 and with Addendum #4 dated 5/15/17 per details 7/S2.1 and 13/S2.1, and with RFR #3 dated 7/27/17.

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: 7/28/2017 | **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
21328	140	10/10	5:26	6:10	72	93	7.5		OR25	Slab-on-grade at E'-J/12-15
21329	134	10/20	5:39							
21330	129	10/30	5:45							
21331	128	10/40	5:51	6:40	72	84	8		OR26	Slab-on-grade at E'-J/12-15
21335	127	10/50	6:11							
21336	132	10/60	6:15							
21337	133	10/70	6:24							
21340	82	10/80	6:37							
21343	109	10/90	6:50	7:30	72	83	8		OR27	Slab-on-grade at E'-J/12-15
21344	99	10/100	6:54							
21347	141	10/110	7:11							
21348	140	10/120	7:15							
21350	129	10/130	7:24							

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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:** 07/31/17 **JOB NO:** 2017068.00

LOCATION: 20 W. NE Saint Luke's Blvd. **CONTRACTOR:** J.E. Dunn

TO: Mark Brooks **OWNER:** Saint Luke's Health System

Saint Luke's Health System **WEATHER:** Sunny, 80's

901 E. 104th St. **PRESENT:** Construction Personnel

Kansas City, MO 64131

The following was noted:

1. Representative arrived on site to assist with FF/FL testing.
2. FF/FL testing was completed for slab-on-grade between Grids E'-J/12-15. See attached FF/FL results.
3. Concrete compressive strength testing was completed for cylinder sets OR25, OR26, and OR27. 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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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: 07/31/2017
Technician: Simmons, James
City of: Lee's Summit, MO
Braun Intertec PM: Joseph Lorensen
Report Number: 2
Weather: Partly Cloudy 70s

Coverage	Frequency	Notes
Concrete Construction	Periodic	Floor Flatness/Levelness

Architect/engineer authorized changes to approved plans?: **No**

Work Completed Description:
Performed floor flatness/leveleness testing of slab on grade area E to J, 12 to 15 that was placed 7/28/2017. Testing was performed using a FACE Dipstick 2272 and DipFloor 6.2. FF/FL for this area was 49.48/30.95; this exceeds the specified minimum FF/FL of 35/25. Results attached.

Tests Performed:
Floor Flatness/Levelness

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: No

Attachments

See B1706665 170731 JS Level 1 SOG E-J, 12-15.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.

James Simmons

Job: St. Luke's East OR Addition No.2
Combined Section

Surface: Level 1 Slab on Grade
Section: E to J, 12 to 15

Measured FF: 49.48 <46.18 - 52.78>
Measured FL: 30.95 <28.64 - 33.26>
34 percent exceeds minimum local FF of 24.
28 percent exceeds minimum local FL of 17.

Specified FF: 35.00
Specified FL: 25.00

Min Local FF: 24.00
Min Local FL: 17.00

Run Name	FF	FL	Readings
Line H.6, 14.8 to 13.3	45.86 <54.15-37.56>	34.39 <41.38-27.40>	48
Line F.8, 12.1 to 13.6	45.10 <53.26-36.95>	30.53 <36.74-24.32>	48
Line E.9, 13.7 to 12.2	48.38 <57.13-39.63>	36.60 <44.04-29.16>	48
Line 12.2, E to J	46.90 <55.38-38.42>	27.03 <32.52-21.53>	48
Line 13.8, J to E	59.60 <70.38-48.83>	25.57 <30.77-20.37>	48
Line 14.5, E to J	55.89 <65.99-45.78>	37.79 <45.47-30.10>	48

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234 Z-Readings

288 Dipstick Readings

KANSAS CITY TESTING & ENGINEERING, LLC

Kansas City Testing & Engineering, LLC
1308 Adams Street
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.: K18909
DATE OF SERVICE: 07/28/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 07/31/2017

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING 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: 07/28/2017
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 25

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
K1890	A	07/31/2017	3	3.990	12.50	48010	3840	TYPE 5	
K1890	B	08/04/2017	7						
K1890	C	08/25/2017	28						
K1890	D	08/25/2017	28						
K1890	E	08/25/2017	28						
K1890	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 &

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.: C20-17-158
REPORT NO.: K18910
DATE OF SERVICE: 07/28/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 07/31/2017

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

PROJECT DATA

CONTRACTOR: 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: 07/28/2017
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 26

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
K1891	A	07/31/2017	3	3.990	12.50	51320	4100	TYPE 5	
K1891	B	08/04/2017	7						
K1891	C	08/25/2017	28						
K1891	D	08/25/2017	28						
K1891	E	08/25/2017	28						
K1891	F	Hold							

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

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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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.: C20-17-158
REPORT NO.: K18911
DATE OF SERVICE: 07/28/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 07/31/2017

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING 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: 07/28/2017
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 27

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
K1891	A	07/31/2017	3	3.990	12.50	52010	4160	TYPE 5	
K1891	B	08/04/2017	7						
K1891	C	08/25/2017	28						
K1891	D	08/25/2017	28						
K1891	E	08/25/2017	28						
K1891	F	Hold							

Technician:
Report Distribution:
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