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

Report #7

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 SEPTEMBER 13, 2017

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 #07
September 08, 2017

1) Summary of work performed from 08/16/17 through 08/31/17

- Concrete: Compressive strength tests.
- Structural steel framing and structural steel welding: Guard rail at 1st floor from E'-J/12.
- Structural steel framing, structural steel welding and post-installed anchors: Brick shelf angle at 1st Floor from E'-J/12.

2) Changes from drawings/specifications/codes

Item 10 pertains to this time period.

3) Discrepancies with approved plans

No items pertain to this time period.

4) Resolved/corrected discrepancies

Item 10 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 #07

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
10	8/29/2017	Brick shelf angles were cut at column locations on 1st floor and angles were anchored to concrete columns.	RFI #0038	8/30/2017

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

Request For Information
17033700-0038

Printed On: 08/29/2017

Subject: Brick Angle at Column Lines J and H.3
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: 08/29/2017
Job: 17033700
Required: 09/01/2017
Est. Cost Impact: $
Est. Days Impact:

Co-Author: ***Contact:*** ***Co-Author RFI Number:***

Reference:

Spec Section: **Drawings:**
Spec Section: **Drawings:**
Spec Section: **Drawings:**

Request

Please confirm per Matt Heller approval to cut brick angles and bolt angles to columns at column lines J and H.3 as required.

Suggestion

Answer ☐ **Accept Suggestion**

The angles can be cut at the columns. Attach L 7x4x3/8x2'-0" (LLH) galvanized angle at both columns w/ (2) 1/2"Ø x 5" Simpson Titen HD galvanized mechanical anchors per column. Locate anchors 8" in from each edge of column and 2" down from the tip of the 4" angle leg.

Answered By: Matt Heller
Date: 8/30/17

Signed: Matt Heller

Distribution:

Contact	Company	Contact	Company
Krishna Saha	STRUCTURAL ENGINEERI	Matt Heller	STRUCTURAL ENGINEERI
Brady Myers	J.E. Dunn Construction Corr	David Jardon	J.E. Dunn Construction Corr
Rusty Binder	J.E. Dunn Construction Corr		

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:** 08/16/17 **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, 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

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.: 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	4.000	12.57	94020	7480	TYPE 3	
K1871	C	08/16/2017	28	4.000	12.57	93800	7460	TYPE 5	
K1871	D	08/16/2017	28	4.000	12.57	94240	7500	TYPE 5	
K1871	E	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

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

FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2 **DATE:** 08/17/17 **JOB NO:** 2017068.00

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

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

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

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

Kansas City, MO 64131

The following was noted:

1. Concrete compressive strength testing was completed for cylinder set 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	4.000	12.57	90400	7190	TYPE 5	
K1874	C	08/17/2017	28	4.000	12.57	89990	7160	TYPE 5	
K1874	D	08/17/2017	28	4.000	12.57	89810	7150	TYPE 5	
K1874	E	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

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

FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2 **DATE:** 08/22/17 **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, 80's

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

Kansas City, MO 64131

The following was noted:

1. Representative arrived on site to observe structural steel framing and structural steel welding.
2. Structural steel framing and structural steel welding was observed for guard rail at 1st floor from E'-J/12 in substantial accordance with Addendum #4 dated 5/15/17 per detail 7/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: BE

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:** 08/23/17 **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, 80's

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

Kansas City, MO 64131

The following was noted:

1. Representative arrived on site to observe structural steel framing, structural steel welding, and post-installed anchors.
2. Structural steel framing, structural steel welding, and post-installed anchors were observed for brick shelf angle on 1st Floor at Grids E'-J/12 in substantial accordance with Addendum #4 dated 5/15/17 per detail 7/S2.1 and attached RFI #0038 dated 8/30/17.

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

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:** 08/25/17 **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, 80's

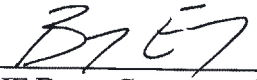
901 E. 104th St. **PRESENT:** Construction Personnel

Kansas City, MO 64131

The following was noted:

1. Concrete compressive strength testing was completed for cylinder 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: 

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.: 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	4.000	12.57	62910	5010	TYPE 5	
K1890	C	08/25/2017	28	4.000	12.57	79080	6290	TYPE 3	
K1890	D	08/25/2017	28	3.990	12.50	79440	6350	TYPE 5	
K1890	E	08/25/2017	28	4.000	12.57	79050	6290	TYPE 5	
K1890	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

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	3.990	12.50	60300	4820	TYPE 5	
K1891	C	08/25/2017	28	3.990	12.50	78680	6290	TYPE 5	
K1891	D	08/25/2017	28	4.000	12.57	78270	6230	TYPE 5	
K1891	E	08/25/2017	28	4.000	12.57	78850	6270	TYPE 5	
K1891	F	Discard							

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

KANSAS CITY TESTING &

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

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.: 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	3.990	12.50	57160	4570	TYPE 5	
K1891	C	08/25/2017	28	4.000	12.57	74750	5950	TYPE 5	
K1891	D	08/25/2017	28	4.000	12.57	73890	5880	TYPE 5	
K1891	E	08/25/2017	28	4.000	12.57	74270	5910	TYPE 5	
K1891	F	Discard							

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

KANSAS CITY TESTING &

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

DOUG ARTH, R.G.
REGISTERED GEOLOGIST