



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

**Bi-weekly Special
Inspections Report**

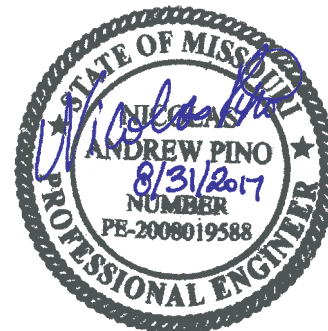
Project Address 20 W. NE Saint Luke's Blvd. **Project Name** St. Luke's East OR Addition #2

Permit No. PrCom20170703 **Special Inspection Agency or Agent** Structural Engineering Associates, Inc.
PrCom20171689

This is to certify that I or qualified individual(s) working under my direction inspected and/or tested the following items in accordance with Chapter 17 of the 2003 International Building Code. The work was found to be in substantial compliance with the City approved plans, specifications, and applicable provisions of the City of Lee's Summit building code.

Check appropriate items

- INSPECTION OF WOOD FABRICATION PROCESS per 1704.2.1
- 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 31, 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 #06

August 16, 2017

1) Summary of work performed from 08/01/17 through 08/15/17

- Concrete: Elevated deck at 2nd floor between Grids E'-J/12-15.5; Tops of columns at Columns H.3/12.1, J/12.1, G/12.9, J/12.9, G/13.1, J/13.1, G/14, J/14, G/15, and J/15; Compressive strength tests.
- FF/FL: Elevated deck at 2nd floor from E'-J/12-15.5.
- Drill & Epoxy Adhesive Bars: Into existing beam at elevated deck along Grid E' between Grids 12-15.5.
- Structural steel framing and structural steel welding: Guard rail at 2nd floor from J/12-16 and E'-J/12; Brick shelf angle at E'-J/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.

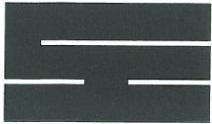
4) Resolved/corrected discrepancies

No items pertain to this time period.

ITEMS REQUIRING RESOLUTION

St. Luke's East - OR Addition #2
20 W. NE Saint Luke's Blvd.
Lee's Summit, MO
Special Inspection Report #06

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



FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2 **DATE:** 08/04/17 **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

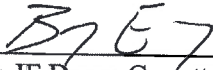
Saint Luke's Health System **WEATHER:** Sunny, 80's

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

Kansas City, MO 64131

The following was noted:

1. Representative arrived on site to observe epoxy bars.
2. Epoxy bars were epoxied into existing beam at elevated deck along grid E' between Grids 12-15.5 in substantial accordance with Addendum #2 dated 5/02/17 per details 2/S4.0 and 3/S4.1 and RFR #02 dated 7/06/17.
3. Concrete compressive strength testing was completed for cylinder sets OR17, OR18, OR19, OR20, OR25, OR26, and OR27. See attached Report of Concrete Compressive Strength sheet for testing results.

cc: Mark Hunter-ACI Boland; Mike Schmelig-JE Dunn; **Signature:** 
Daniel Polletta-JE Dunn; David Jardon-JE Dunn; Bill Lipp-JE Dunn; Brady Myers-JE Dunn; Garrett Estabrook-JE
Dunn; Andy Nimz-G.J. Shaw; Pat Huss-Fordyce; Krishna Saha – SEA; Bryan Evans-SEA

**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K18506
DATE OF SERVICE: 07/07/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 07/17/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

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

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1850	A	07/10/2017	3	4.000	12.57	54770	4360	TYPE 5	
K1850	B	07/14/2017	7	4.000	12.57	65290	5200	TYPE 5	
K1850	C	08/04/2017	28	4.000	12.57	86310	6870	TYPE 5	
K1850	D	08/04/2017	28	4.000	12.57	86810	6910	TYPE 5	
K1850	E	08/04/2017	28	4.000	12.57	87260	6940	TYPE 5	
K1850	F	Discard							


Technician:

Report Distribution:

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

KANSAS CITY TESTING &

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


DOUG ARTH, R.G.
REGISTERED GEOLOGIST

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**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K18507
DATE OF SERVICE: 07/07/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 07/10/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

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

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1850	A	07/10/2017	3	4.000	12.57	58150	4630	TYPE 5	
K1850	B	07/14/2017	7	4.000	12.57	67970	5410	TYPE 5	
K1850	C	08/04/2017	28	4.000	12.57	84550	6730	TYPE 5	
K1850	D	08/04/2017	28	4.000	12.57	84540	6730	TYPE 5	
K1850	E	08/04/2017	28	4.000	12.57	84600	6730	TYPE 5	
K1850	F	Discard							

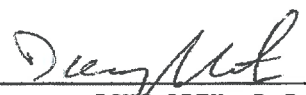
Technician:

Report Distribution:

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

KANSAS CITY TESTING &

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


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**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K18508
DATE OF SERVICE: 07/07/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 07/10/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

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

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1850	A	07/10/2017	3	4.000	12.57	63100	5020	TYPE 5	
K1850	B	07/14/2017	7	4.000	12.57	75160	5980	TYPE 3	
K1850	C	08/04/2017	28	4.000	12.57	84820	6750	TYPE 5	
K1850	D	08/04/2017	28	4.000	12.57	85510	6800	TYPE 5	
K1850	E	08/04/2017	28	4.000	12.57	84920	6760	TYPE 3	
K1850	F	Discard							

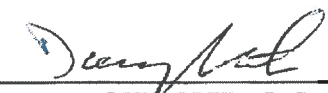
Technician:

Report Distribution:

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

KANSAS CITY TESTING &

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


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REGISTERED GEOLOGIST

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**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K18509
DATE OF SERVICE: 07/07/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 07/10/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

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

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1850	A	07/10/2017	3	4.000	12.57	50690	4030	TYPE 5	
K1850	B	07/14/2017	7	4.000	12.57	61810	4920	TYPE 5	
K1850	C	08/04/2017	28	4.000	12.57	79890	6360	TYPE 5	
K1850	D	08/04/2017	28	4.000	12.57	80010	6370	TYPE 3	
K1850	E	08/04/2017	28	4.000	12.57	79670	6340	TYPE 5	
K1850	F	Discard							


Technician:

Report Distribution:

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

KANSAS CITY TESTING &

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


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**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K18909
DATE OF SERVICE: 07/28/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 07/31/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 07/28/2017
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		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
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						
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

KANSAS CITY TESTING &

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


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**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

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

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 07/28/2017
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		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
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						
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

KANSAS CITY TESTING &

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


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**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

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

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 07/28/2017
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		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
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						
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

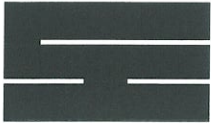
KANSAS CITY TESTING &

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



DOUG ARTH, R.G.
REGISTERED GEOLOGIST

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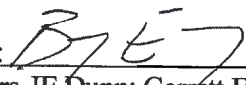


FIELD REPORT

PROJECT: <u>St. Luke's East-OR Addition #2</u>	DATE: <u>08/08/17</u> JOB NO: <u>2017068.00</u>
LOCATION: <u>20 W. NE Saint Luke's Blvd.</u>	CONTRACTOR: <u>J.E. Dunn</u>
TO: <u>Mark Brooks</u>	OWNER: <u>Saint Luke's Health System</u>
<u>Saint Luke's Health System</u>	WEATHER: <u>Sunny, 80's</u>
<u>901 E. 104th St.</u>	PRESENT: <u>Construction Personnel</u>
<u>Kansas City, MO 64131</u>	

The following was noted:

1. Representative arrived on site to observe reinforcing steel placement and placement of concrete.
2. Observed placement of approximately 220 cubic yards of 4000-psi concrete for elevated deck at 2nd floor between Grids E'-J/12-15.5. Concrete was mechanically vibrated during placement.
3. Reinforcing bars were placed in substantial accordance with Addendum #2 dated 5/02/17 per details 1/S4.0, 2/S4.0, 4/S4.0, 5/S4.0, 6/S4.0, 1/S4.1, 2/S4.1, 3/S4.1, 1/S4.2, 2/S4.2, 3/S4.2, 4/S4.2, 5/S4.2, and 7/S4.2.

cc: Mark Hunter-ACI Boland; Mike Schmelig-JE Dunn; Signature: 
Daniel Polletta-JE Dunn; David Jardon-JE Dunn; Bill Lipp-JE Dunn; Brady Myers-JE Dunn; Garrett Estabrook-JE Dunn; Andy Nimz-G.J. Shaw; Pat Huss-Fordyce; Krishna Saha – SEA; Bryan Evans-SEA



FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2 **DATE:** 08/09/17 **JOB NO:** 2017068.00

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

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

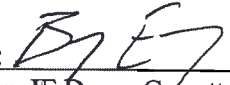
Saint Luke's Health System **WEATHER:** Sunny, 80's

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 and to observe reinforcing steel placement and placement of concrete.
2. FF/FL testing was completed for elevated deck at 2nd floor between Grids E'-J/12-15.5. See attached FF/FL results.
3. Observed placement of approximately 3 cubic yards of 4000-psi concrete for tops of columns at Columns H.3/12.1, J/12.1, G/12.9, J/12.9, G/13.1, J/13.1, G/14, J/14, G/15, and J/15. Concrete was mechanically vibrated during placement.
4. Reinforcing bars were placed in substantial accordance with Addendum #2 dated 5/02/17 per detail 3/S4.0.

cc: Mark Hunter-ACI Boland; Mike Schmelig-JE Dunn; Signature: 
Daniel Polletta-JE Dunn; David Jardon-JE Dunn; Bill Lipp-JE Dunn; Brady Myers-JE Dunn; Garrett Estabrook-JE Dunn; Andy Nimz-G.J. Shaw; Pat Huss-Fordyce; Krishna Saha – SEA; Bryan Evans-SEA

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: 08/09/2017
Technician: Simmons, James

City of: Lee's Summit, MO
Braun Intertec PM: Joseph Lorensen

Report Number: 3
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/levelness testing of Level 2 elevated structural slab for the area E to J, 12 to 15.5 that was placed 8/8/2017. Testing was performed using a FACE Dipstick 2272 and DipFloor 6.2. FF/FL for this area met/exceeded the specified local minimum of 24/15; results attached for two areas tested. FF/FL for Level 2 elevated structural slab area E to J, 12 to 18.2 met/exceeded the specified overall minimum of 30/20; results attached for overall and individual sections.

Tests Performed:

Floor flatness/levelness

Outstanding discrepancies on this project?: No

Report discussed with and sent to contractor?: No

Attachments

See B1706665 170809 JS Level 2 E-J, 12-18.2 Overall.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.



Project Summary

Job Name: St. Luke's East OR Addition No. 2
Surface: Level 2 Elevated Structural Slab Area E to J, 12 to 18.2

Measured FF: 39.63 Specified FF: 30.00 Min Local FF: 24.00
Measured FL: 25.12 Specified FL: 20.00 Min Local FL: 15.00
13 percent exceeds specified FF of 30.
11 percent exceeds specified FL of 20.

Total area of surface: 11362
Area measured: 11362

Section Name	FF	FL	Size
Area E to J, 15.5 to 18.2	37.70	26.91	4950
Area E to J, 12 to 13	44.28	16.78	1792
Area E to J, 13 to 15.5	39.90	26.44	4620

Job: St. Luke's East OR Addition No.2 Surface: Level 2 Elevated Structural Slab
 Combined Section Section: E to J, 15.5 to 18.2

Measured FF: 37.70 <35.25 - 40.15> Specified FF: 30.00 Min Local FF: 24.00
 Measured FL: 26.91 <24.96 - 28.86> Specified FL: 20.00 Min Local FL: 15.00
 21 percent exceeds minimum local FF of 24.
 28 percent exceeds minimum local FL of 15.

Run Name	FF	FL	Readings
Line 16.9, J to E	42.19 <49.66-34.72>	23.73 <28.44-19.03>	50
Line 15.8, E to J	38.17 <44.93-31.41>	39.53 <47.36-31.69>	50
Line 17.4, J to E	35.62 <41.93-29.31>	27.36 <32.78-21.93>	50
Line E.5, 18.1 to 16.5	35.62 <41.93-29.31>	37.58 <45.03-30.13>	50
Line 15.6, 17.2	38.59 <45.43-31.76>	21.78 <26.10-17.46>	50
Line 16.1 to 17.8	37.12 <43.70-30.55>	24.13 <28.91-19.35>	50

246 Z-Readings 300 Dipstick Readings

Job: St Luke's East OR Addition No.2 Surface: Level 2 Elevated Structural Slab
Combined Section **Section: E to J, 12 to 13**

Measured FF: 44.28 <38.84 - 49.72> Specified FF: 30.00 Min Local FF: 24.00
Measured FL: 16.78 <14.23 - 19.33> Specified FL: 20.00 Min Local FL: 15.00
29 percent exceeds minimum local FF of 24.
5 percent exceeds minimum local FL of 15.

Run Name	FF	FL	Readings
Line I, 13 to 12	33.48 <41.65-25.30>	12.09 <15.77-8.42>	26
Line F.8, 12 to 13	46.36 <57.68-35.04>	16.59 <21.63-11.55>	26
Line 12.2, E to H.2	42.08 <52.36-31.81>	18.12 <23.63-12.61>	26
Line 12.7, J to H.2	92.15 <114.65-69.66>	37.98 <49.52-26.44>	26

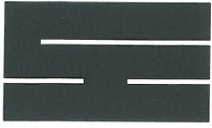
68 Z-Readings 104 Dipstick Readings

Job: St Luke's East OR Addition No. 2 Surface: Level 2 Elevated Structural Slab
Combined Section Section: E to J, 13 to 15.5

Measured FF: 39.90 <36.51 - 43.30> Specified FF: 30.00 Min Local FF: 24.00
Measured FL: 26.44 <23.93 - 28.95> Specified FL: 20.00 Min Local FL: 15.00
24 percent exceeds minimum local FF of 24.
27 percent exceeds minimum local FL of 15.

Run Name	FF	FL	Readings
Line I.5, 15 to 13.5	28.31 <33.43-23.19>	22.25 <26.78-17.73>	48
Line F, 13.2 to 14.7	40.82 <48.20-33.43>	21.28 <25.61-16.95>	48
Line 15.2, E to J	54.88 <64.80-44.95>	57.43 <69.11-45.75>	48
Line 13.2, J to E	54.90 <64.83-44.97>	28.97 <34.86-23.08>	48

156 Z-Readings 192 Dipstick Readings



FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2 **DATE:** 08/10/17 **JOB NO:** 2017068.00

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

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


Saint Luke's Health System **WEATHER:** Sunny, 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 OR21. See attached Report of Concrete Compressive Strength sheet for testing results.

cc: Mark Hunter-ACI Boland; Mike Schmelig-JE Dunn; Signature: 
Daniel Polletta-JE Dunn; David Jardon-JE Dunn; Bill Lipp-JE Dunn; Brady Myers-JE Dunn; Garrett Estabrook-JE
Dunn; Andy Nimz-G.J. Shaw; Pat Huss-Fordyce; Krishna Saha – SEA; Bryan Evans-SEA

**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

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

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 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		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1861	A	07/20/2017	7	4.000	12.57	51840	4130	TYPE 3	
K1861	B	08/10/2017	28	4.000	12.57	66880	5320	TYPE 5	
K1861	C	08/10/2017	28	4.000	12.57	67280	5350	TYPE 5	
K1861	D	08/10/2017	28	4.000	12.57	66620	5300	TYPE 5	
K1861	E	Discard							


Technician:

Report Distribution:

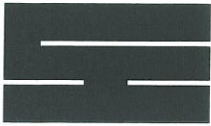
(1) BEVANS@SEASSOCIATES.COM
(1) NPINO@SEASSOCIATES.COM

KANSAS CITY TESTING &

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


DOUG ARTH, R.G.
REGISTERED GEOLOGIST

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**STRUCTURAL
ENGINEERING
ASSOCIATES**

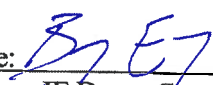
1000 Walnut, Suite 1570
Kansas City, Missouri 64106
Phone: 816/421-1042 Fax: 816/421-1061

FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2 **DATE:** 08/11/17 **JOB NO:** 2017068.00
LOCATION: 20 W. NE Saint Luke's Blvd. **CONTRACTOR:** J.E. Dunn
TO: Mark Brooks **OWNER:** Saint Luke's Health System
Saint Luke's Health System **WEATHER:** Sunny, 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 2nd floor from J/12-16 and E'-J/12 in substantial accordance with Addendum #2 dated 5/02/17 per detail 8/S0.0.
3. Structural steel framing and structural steel welding was observed for brick shelf angle at E'-J/12 in substantial accordance with Addendum #2 dated 5/02/17 per details 2/S4.2 and 3/S4.2.
4. Concrete compressive strength testing was completed for cylinder sets OR28, OR29, OR30, OR31, and OR32. See attached Report of Concrete Compressive Strength sheet for testing results.

cc: Mark Hunter-ACI Boland; Mike Schmelig-JE Dunn; Signature: 
Daniel Polletta-JE Dunn; David Jardon-JE Dunn; Bill Lipp-JE Dunn; Brady Myers-JE Dunn; Garrett Estabrook-JE Dunn; Andy Nimz-G.J. Shaw; Pat Huss-Fordyce; Krishna Saha – SEA; Bryan Evans-SEA

**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K19096
DATE OF SERVICE: 08/08/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 08/09/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 08/08/2017
TIME SAMPLED: BY: CLIENT
BATCH TIME:
TEMPERATURE (DegF) - AIR: CONCRETE:
WEATHER:
MEASURED SLUMP (in.):
AIR CONTENT (%): UNIT WT (pcf)
TRUCK NO: TICKET NO:
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
OR 28

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1909	A	08/11/2017	3	4.000	12.57	50510	4020	TYPE 4	
K1909	B	08/15/2017	7						
K1909	C	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	E	09/05/2017	28						
K1909	F	Hold							


Technician:

Report Distribution:

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

KANSAS CITY TESTING &

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


DOUG ARTH, R.G.
REGISTERED GEOLOGIST

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**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K19097
DATE OF SERVICE: 08/08/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 08/09/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 08/08/2017
TIME SAMPLED: BY: CLIENT
BATCH TIME:
TEMPERATURE (DegF) - AIR: CONCRETE:
WEATHER:
MEASURED SLUMP (in.):
AIR CONTENT (%): UNIT WT (pcf)
TRUCK NO: TICKET NO:
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
OR 29

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1909	A	08/11/2017	3	4.000	12.57	54630	4350	TYPE 5	
K1909	B	08/15/2017	7						
K1909	C	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	E	09/05/2017	28						
K1909	F	Hold							


Technician:

Report Distribution:

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

KANSAS CITY TESTING &

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


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**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K19098
DATE OF SERVICE: 08/08/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 08/09/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 08/08/2017
TIME SAMPLED: BY: CLIENT
BATCH TIME:
TEMPERATURE (DegF) - AIR: CONCRETE:
WEATHER:
MEASURED SLUMP (in.):
AIR CONTENT (%): UNIT WT (pcf)
TRUCK NO: TICKET NO:
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
OR 30

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1909	A	08/11/2017	3	4.000	12.57	62400	4970	TYPE 4	
K1909	B	08/15/2017	7						
K1909	C	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	E	09/05/2017	28						
K1909	F	Hold							

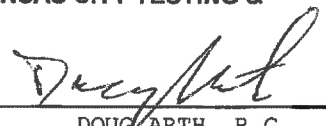
Technician:

Report Distribution:

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

KANSAS CITY TESTING &

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


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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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K19099
DATE OF SERVICE: 08/08/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 08/09/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 08/08/2017
TIME SAMPLED: BY: CLIENT
BATCH TIME:
TEMPERATURE (DegF) - AIR: CONCRETE:
WEATHER:
MEASURED SLUMP (in.):
AIR CONTENT (%): UNIT WT (pcf)
TRUCK NO: TICKET NO:
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
 OR 31

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1909	A	08/11/2017	3	4.000	12.57	46110	3670	TYPE 4	
K1909	B	08/15/2017	7						
K1909	C	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	E	09/05/2017	28						
K1909	F	Hold							


Technician:

Report Distribution:

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

KANSAS CITY TESTING &

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



 DOUG BARTH, R.G.
 REGISTERED GEOLOGIST

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**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K19100
DATE OF SERVICE: 08/08/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 08/09/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 08/08/2017
TIME SAMPLED: BY: CLIENT
BATCH TIME:
TEMPERATURE (DegF) - AIR: CONCRETE:
WEATHER:
MEASURED SLUMP (in.):
AIR CONTENT (%): UNIT WT (pcf)
TRUCK NO: TICKET NO:
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
OR 32

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1910	A	08/11/2017	3	4.000	12.57	61520	4900	TYPE 4	
K1910	B	08/15/2017	7						
K1910	C	09/05/2017	28						
K1910	D	09/05/2017	28						
K1910	E	09/05/2017	28						
K1910	F	Hold							


Technician:

Report Distribution:

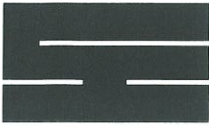
(1) BEVANS@SEASSOCIATES.COM
(1) NPINO@SEASSOCIATES.COM

KANSAS CITY TESTING &

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


DOUG ARTH, R.G.
REGISTERED GEOLOGIST

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FIELD REPORT

PROJECT: St. Luke's East-OR Addition #2 **DATE:** 08/15/17 **JOB NO:** 2017068.00

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

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

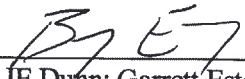
Saint Luke's Health System **WEATHER:** Sunny, 80's

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 OR 22, OR28, OR29, OR30, OR31, and OR32. See attached Report of Concrete Compressive Strength sheet for testing results.

cc: Mark Hunter-ACI Boland; Mike Schmelig-JE Dunn; Signature: 
Daniel Polletta-JE Dunn; David Jardon-JE Dunn; Bill Lipp-JE Dunn; Brady Myers-JE Dunn; Garrett Estabrook-JE
Dunn; Andy Nimz-G.J. Shaw; Pat Huss-Fordyce; Krishna Saha – SEA; Bryan Evans-SEA

REPORT OF CONCRETE COMPRESSIVE STRENGTH

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

PAGE 1 OF 1

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

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 07/18/2017
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 22

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1870	A	07/25/2017	7	3.990	12.50	65480	5240	TYPE 5	
K1870	B	08/15/2017	28	4.000	12.57	80980	6440	TYPE 3	
K1870	C	08/15/2017	28	4.000	12.57	80030	6370	TYPE 5	
K1870	D	08/15/2017	28	3.990	12.50	80040	6400	TYPE 5	
K1870	E	Discard							


Technician:

Report Distribution:

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**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K19096
DATE OF SERVICE: 08/08/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 08/09/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 08/08/2017
TIME SAMPLED: BY: CLIENT
BATCH TIME:
TEMPERATURE (DegF) - AIR: CONCRETE:
WEATHER:
MEASURED SLUMP (in.):
AIR CONTENT (%): UNIT WT (pcf)
TRUCK NO: TICKET NO:
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
OR 28

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1909	A	08/11/2017	3	4.000	12.57	50510	4020	TYPE 4	
K1909	B	08/15/2017	7	3.990	12.50	66030	5280	TYPE 5	
K1909	C	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	E	09/05/2017	28						
K1909	F	Hold							

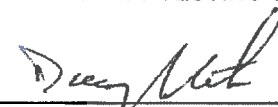
Technician:

Report Distribution:

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

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REPORT OF CONCRETE COMPRESSIVE STRENGTH

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K19097
DATE OF SERVICE: 08/08/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 08/09/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 08/08/2017
TIME SAMPLED: BY: CLIENT
BATCH TIME:
TEMPERATURE (DegF) - AIR: CONCRETE:
WEATHER:
MEASURED SLUMP (in.):
AIR CONTENT (%): UNIT WT (pcf)
TRUCK NO: TICKET NO:
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
OR 29

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1909	A	08/11/2017	3	4.000	12.57	54630	4350	TYPE 5	
K1909	B	08/15/2017	7	4.000	12.57	67730	5390	TYPE 2	
K1909	C	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	E	09/05/2017	28						
K1909	F	Hold							

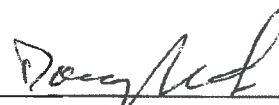
Technician:

Report Distribution:

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(1) NPINO@SEASSOCIATES.COM

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**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K19098
DATE OF SERVICE: 08/08/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 08/09/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 08/08/2017
TIME SAMPLED: BY: CLIENT
BATCH TIME:
TEMPERATURE (DegF) - AIR: CONCRETE:
WEATHER:
MEASURED SLUMP (in.):
AIR CONTENT (%): UNIT WT (pcf)
TRUCK NO: TICKET NO:
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
OR 30

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1909	A	08/11/2017	3	4.000	12.57	62400	4970	TYPE 4	
K1909	B	08/15/2017	7	3.990	12.50	68760	5500	TYPE 5	
K1909	C	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	E	09/05/2017	28						
K1909	F	Hold							

Technician:

Report Distribution:

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Type 1 Type 2 Type 3 Type 4 Type 5 Type 6
| | | | | |
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**REPORT OF
CONCRETE COMPRESSIVE STRENGTH**

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K19099
DATE OF SERVICE: 08/08/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 08/09/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 08/08/2017
TIME SAMPLED: BY: CLIENT
BATCH TIME:
TEMPERATURE (DegF) - AIR: CONCRETE:
WEATHER:
MEASURED SLUMP (in.):
AIR CONTENT (%): UNIT WT (pcf)
TRUCK NO: TICKET NO:
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
OR 31

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1909	A	08/11/2017	3	4.000	12.57	46110	3670	TYPE 4	
K1909	B	08/15/2017	7	3.990	12.50	72690	5810	TYPE 1	
K1909	C	09/05/2017	28						
K1909	D	09/05/2017	28						
K1909	E	09/05/2017	28						
K1909	F	Hold							


Technician:

Report Distribution:

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

KANSAS CITY TESTING &

Type 1 Type 2 Type 3 Type 4 Type 5 Type 6
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REPORT OF CONCRETE COMPRESSIVE STRENGTH

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

PAGE 1 OF 1

PROJECT NO.: C20-17-158
REPORT NO.: K19100
DATE OF SERVICE: 08/08/2017
AUTHORIZATION: NICK PINO
REPORT DATE: 08/09/2017

PROJECT: ST. LUKE'S

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

PROJECT DATA

CONTRACTOR: STRUCTURAL ENGINEERING ASSOCIA
CONCRETE SUPPLIER:
PLANT:
CLASS OF CONCRETE:
SPECIFICATION REQUIREMENTS
STRENGTH: 4000psi @ 28 DAYS
SLUMP: AIR:
METHOD OF TEST
CURING:
BEARING CONTACT: ASTM C1231
TESTING: ASTM C39

MIX DESIGN NUMBER: N/A
DATE OF PLACEMENT: 08/08/2017
TIME SAMPLED: BY: CLIENT
BATCH TIME:
TEMPERATURE (DegF) - AIR: CONCRETE:
WEATHER:
MEASURED SLUMP (in.):
AIR CONTENT (%): UNIT WT (pcf)
TRUCK NO: TICKET NO:
WATER ADDED @ SITE (gal)
LOCATION OF PLACEMENT
OR 32

REPORT OF TESTS

CONCRETE COMPRESSIVE STRENGTH - 4 x 8 CYLINDERS

CYLINDER MARKED		DATE TESTED	AGE (days)	DIAMETER (in.)	AREA (sq.in.)	MAXIMUM LOAD (lbs. force)	COMPRESSIVE STRENGTH (psi)	FRACTURE TYPE	REMARKS
SET	MARK								
K1910	A	08/11/2017	3	4.000	12.57	61520	4900	TYPE 4	
K1910	B	08/15/2017	7	4.000	12.57	72700	5790	TYPE 5	
K1910	C	09/05/2017	28						
K1910	D	09/05/2017	28						
K1910	E	09/05/2017	28						
K1910	F	Hold							

Technician:

Report Distribution:

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

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Type 1 Type 2 Type 3 Type 4 Type 5 Type 6
| | | | | |
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