



## Bi-monthly Special Inspection Report

Bi-monthly Report #: 5

Permit #: PRCOM20222242  
Project Address: 540 NE Town Centre Drive Lee's Summit, MO  
Project Name: New Building for Indoor Batting Cages  
Agency Name: Apex Engineers, Inc

Date: 09.02.2022

This report covers work completed between 08.16.2022 and 08.31.2022.

This is to certify that I, or qualified individual working under my direction, inspected and/or tested the following items in accordance with Section 1705 of the 2018 International Building Code:

- |   |   |   |
|---|---|---|
| <input checked="" type="checkbox"/> Attachments (Concrete Break Results, RFI's, etc.) | <input type="checkbox"/> Shotcrete                        |   |
| <input checked="" type="checkbox"/> Placement of Reinforced Concrete                  | <input type="checkbox"/> None - No Inspections made       |   |
| <input type="checkbox"/> Placement of Shotcrete                                       | <input type="checkbox"/> Erection of Precast Concrete     |   |
| <input checked="" type="checkbox"/> Testing of Reinforced Concrete                    | <input type="checkbox"/> Steel Frame Inspection           |   |
| <input checked="" type="checkbox"/> Placement of Reinforcing Steel                    | <input type="checkbox"/> High Strength Bolting            |   |
| <input type="checkbox"/> Placement of Prestressing Steel                              | <input type="checkbox"/> Structural Welding               |   |
| <input type="checkbox"/> Bolts Installed in Concrete                                  | <input type="checkbox"/> Sprayed Fire Resistant Materials |   |
| <input type="checkbox"/> Post-Installed Anchors                                       | <input type="checkbox"/> Structural Masonry               |   |
| <input type="checkbox"/> Verification of Soils  | <input type="checkbox"/> Wood Construction                |   |
| <input type="checkbox"/> Excavation and Filling                                       | <input type="checkbox"/> Seismic Resistance               |   |
| <input type="checkbox"/> Deep Foundations   | <input type="checkbox"/> Firestop                         |   |
| <input type="checkbox"/> Earth-Retaining Structures                                   | <input type="checkbox"/> Drill & Epoxy                    |   |
| <input type="checkbox"/> Detention Basin  | <u>INSPECTION OF FABRICATORS</u>                          |   |
| <input type="checkbox"/> EIFS   | <input type="checkbox"/> Metal Building                   | <input type="checkbox"/> Structural Steel |
| <input type="checkbox"/> Smoke Control  | <input type="checkbox"/> Wood Construction                | <input type="checkbox"/> Precast Concrete |
| <input type="checkbox"/> Other:   |   |   |

Except where noted in the attached report, the work was found to be in substantial compliance with the city reviewed plans, specifications, and applicable provisions of the Building Code. All daily reports and EOR/AOR resolutions are attached.

Signed: \_\_\_\_\_

*Clayton J. Hess*

Date: 09.12.2022



Denver, CO 720-588-3222

Kansas City, MO 816-421-3222

Lawrence, KS 785-337-3222



## Non-Conforming Items Requiring Resolution

**Permit #:** PRCOM20222242 **Date:** 08.31.2022  
**Project Address:** 540 NE Town Centre Drive Lee's Summit, MO  
**Project Name:** New Building for Indoor Batting Cages  
**Agency Name:** Apex Engineers, Inc **Insp/Engr:** Clayton J. Hess

**Final Approval Status:** \_\_\_\_\_

Item	Date	Report	Discrepancy Description	Resolution Date
			None to Report	

*See attached details for further clarification*



## Daily Special Inspection Report Form

Permit #: PRCOM20222242 Date: 8/25/22  
Project Address: 540 NE Town Centre Drive Lee's Summit, MO Time On: 1:30pm  
Project Name: New Building for Indoor Batting Cages Time Off: 2:00pm  
Agency Name: Apex Engineers, Inc. Insp/Engr: CDV

### Indicate the items inspected and/or tested:

#### REINFORCED CONCRETE

- ☐ Placement of Reinforced Concrete
- ☐ Placement of Shotcrete
- ☐ Testing of Reinforced Concrete
- ☒ Reinforcing Steel Placement
- ☐ Bolts Installed in Concrete
- ☐ Prestressing Concrete

#### SOILS AND FOUNDATIONS

- ☐ Verification of Soils
- ☐ Excavation
- ☐ Structural Fill
- ☐ Piles and/or Piers
- ☐ Detention Basin
- ☐ Earth Retaining Structure

#### STRUCTURAL MASONRY

- ☐ Inspection of Rebar Placement/Grouting
- ☐ Mortar and Grout Testing
- ☐ Wall Prisms

#### SPECIAL

- ☐ Post-Installed Anchors
- ☐ Smoke Control
- ☐ Firestop
- ☐ EIFS

#### STRUCTURAL STEEL

- ☐ High Strength Bolting
- ☐ Welding of Structural Steel
- ☐ Metal Deck Welding
- ☐ Shear Stud Welding
- ☐ Welding of Reinforcing Steel
- ☐ Steel Frame Inspection

#### SPRAYED FIRE RESISTANT MATERIALS OR MASTIC AND INTUMESCENT FIRE RESISTIVE COATINGS

- ☐ Placement Inspection
- ☐ Density Tests
- ☐ Thickness Tests
- ☐ Bond Strength
- ☐ Substrate Temperature

#### PRECAST CONCRETE

- ☐ Inspection of Erected Panels
- ☐ Welding of Panel Connections

#### INSPECTION OF FABRICATORS

- ☐ Metal Building
- ☐ Wood Construction
- ☐ Structural Steel
- ☐ Precast Concrete

- ☐ Seismic Resistance
- ☐ Drill & Epoxy
- ☐ Wood Construction

List locations of inspections/tests made:

Reinforcing steel inspection for interior slab at gridlines A/1-7, A-F/1, F/1-7, A-F/7.

Note: at time of inspection still placing hairpins, WWF and #4 bar. Will complete re-inspection before concrete pour tomorrow (8/26/22)

- 1. Were there any discrepancies with the reviewed plans? ☐ Yes ☒ No
- 2. Were there any changes to the reviewed plans? ☐ Yes ☒ No
- 3. Were any previously listed items corrected or resolved? ☐ Yes ☒ No
- 4. Are the signed/sealed resolutions by the EOR/AOR attached? ☐ Yes ☒ No

If yes, on items 1, 2, or 3, describe below:

Inspector: Christopher Veith

Signature: 



## Daily Special Inspection Report Form

Permit #: PRCOM20222242 Date: 8/26/22  
Project Address: 540 NE Town Centre Drive Lee's Summit, MO Time On: 3:30am  
Project Name: New Building for Indoor Batting Cages Time Off: 9:30am  
Agency Name: Apex Engineers, Inc. Insp/Engr: Christopher Veith

### Indicate the items inspected and/or tested:

#### REINFORCED CONCRETE

- ☒ Placement of Reinforced Concrete
- ☐ Placement of Shotcrete
- ☒ Testing of Reinforced Concrete
- ☒ Reinforcing Steel Placement
- ☐ Bolts Installed in Concrete
- ☐ Prestressing Concrete

#### SOILS AND FOUNDATIONS

- ☐ Verification of Soils
- ☐ Excavation
- ☐ Structural Fill
- ☐ Piles and/or Piers
- ☐ Detention Basin
- ☐ Earth Retaining Structure

#### STRUCTURAL MASONRY

- ☐ Inspection of Rebar Placement/Grouting
- ☐ Mortar and Grout Testing
- ☐ Wall Prisms

#### SPECIAL

- ☐ Post-Installed Anchors
- ☐ Smoke Control
- ☐ Firestop
- ☐ EIFS

#### STRUCTURAL STEEL

- ☐ High Strength Bolting
- ☐ Welding of Structural Steel
- ☐ Metal Deck Welding
- ☐ Shear Stud Welding
- ☐ Welding of Reinforcing Steel
- ☐ Steel Frame Inspection

#### SPRAYED FIRE RESISTANT MATERIALS OR MASTIC AND INTUMESCENT FIRE RESISTIVE COATINGS

- ☐ Placement Inspection
- ☐ Bond Strength
- ☐ Density Tests
- ☐ Substrate Temperature
- ☐ Thickness Tests

#### PRECAST CONCRETE

- ☐ Inspection of Erected Panels
- ☐ Welding of Panel Connections

#### INSPECTION OF FABRICATORS

- ☐ Metal Building
- ☐ Structural Steel
- ☐ Wood Construction
- ☐ Precast Concrete

- ☐ Seismic Resistance
- ☐ Wood Construction
- ☐ Drill & Epoxy
- ☐

List locations of inspections/tests made:

Reinforcing steel placement, concrete testing and observation for interior slab at Gridlines A/1-7, A-F/1, F/1-7, A-F/7.

- 1. Were there any discrepancies with the reviewed plans? ☐ Yes ☒ No
- 2. Were there any changes to the reviewed plans? ☐ Yes ☒ No
- 3. Were any previously listed items corrected or resolved? ☐ Yes ☒ No
- 4. Are the signed/sealed resolutions by the EOR/AOR attached? ☐ Yes ☒ No

If yes, on items 1, 2, or 3, describe below:

Inspector: Christopher Veith

Signature: 



# REPORT OF CONCRETE CYLINDER TEST

1100 W Cambridge Circle Drive, Suite 700 Kansas City, Kansas 66103  
913.627.9040

Client: Apex Engineers, Inc.  
Address: 1625 Locust  
Kansas City, Missouri 64108

Project Name: Apex On-Call (KCK)  
D-Bats  
Lee's Summit, MO

Attn: Steve Fitch

Report No: 22-1010 CYL 939

Report Date: 8/15/2022

Technician: CDV

## FIELD TEST CONDITIONS AND RESULTS (ASTM C 31)

Date Placed: 8/8/2022

Material: Concrete

Location of Sample: Footing Gridlines A/1-7, A-F/1, F, 1-7, A-F/7, B.6/5&6, C.5/2,3,4.

Placement Description: C.5/3

Time Batched: 10:00

Time Sampled: 10:36

Batch Size (Yds): 200

Sample Method: Pump / Vibrator for Consolidation

Weather: Sunny / Humid

Ambient Temp: High 80's

Concrete Temp: 80

(ASTM C1064)

Water Added: n/a

Design Strength (PSI): 3500

	Specification	Actual
Slump (Inches):	5 (+/-1)	4.5
(ASTM C143)		
Air Content (%):	6 Max	5
(ASTM C231)		
Unit Weight:	NR	
(ASTM C138)		

Supplier: Show Me Ready Mix

Truck No: 3050

Ticket No: 198937

Mix No:

## LABORATORY TEST RESULTS (ASTM C 39)

Set #	Test Date	Age	Diameter	Area	Load	Strength	Percent of Design	Type of Fracture
939	8/15/2022	7	4.00	12.57	47250	3,760	107.4%	5
939	9/5/2022	28	4.00	12.57		0	0.0%	
939	9/5/2022	28	4.00	12.57		0	0.0%	
939	9/5/2022	28	4.00	12.57		0	0.0%	
939	HOLD							

Average 28 Day Strength: 0

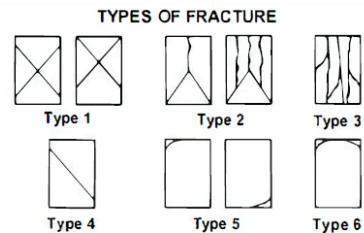
Sampling Fresh Concrete: ASTM C172

Remarks: No Deviations Noted

Respectfully Submitted,

COOK, FLATT & STROBEL ENGINEERS, P.A.

Adam McEachron, P.E | Senior Project Engineer





# REPORT OF CONCRETE CYLINDER TEST

1100 W Cambridge Circle Drive, Suite 700 Kansas City, Kansas 66103  
913.627.9040

Client: Apex Engineers, Inc.  
Address: 1625 Locust  
Kansas City, Missouri 64108

Project Name: Apex On-Call (KCK)  
D-Bats  
Lee's Summit, MO

Attn: Steve Fitch

Report No: 22-1010 CYL 940

Report Date: 8/15/2022

Technician: CDV

## FIELD TEST CONDITIONS AND RESULTS (ASTM C 31)

Date Placed: 8/8/2022

Material: Concrete

Location of Sample: Footing Gridlines A/1-7, A-F/1, F, 1-7, A-F/7, B.6/5&6, C.5/2,3,4.

Placement Description: Approx. Gridlines F/5

Time Batched: 11:44  
Time Sampled: 12:30  
Batch Size (Yds): 200  
Sample Method: Pump / Vibrator for Consolidation

Weather: Sunny / Humid  
Ambient Temp: High 80's  
Concrete Temp: 88  
(ASTM C1064)

Water Added: n/a  
Design Strength (PSI): 3500

	Specification	Actual
Slump (Inches):	5 (+/-1)	4.75
(ASTM C143)		
Air Content (%):	6 Max	6
(ASTM C231)		
Unit Weight:	NR	
(ASTM C138)		

Supplier: Show Me Ready Mix  
Truck No: 30.37  
Ticket No: 198951  
Mix No:

## LABORATORY TEST RESULTS (ASTM C 39)

Set #	Test Date	Age	Diameter	Area	Load	Strength	Percent of Design	Type of Fracture
940	8/15/2022	7	4.00	12.57	52760	4,200	120.0%	3
940	9/5/2022	28	4.00	12.57		0	0.0%	
940	9/5/2022	28	4.00	12.57		0	0.0%	
940	9/5/2022	28	4.00	12.57		0	0.0%	
940	HOLD							

Average 28 Day Strength: 0  
Sampling Fresh Concrete: ASTM C172  
Remarks: No Deviations Noted

Respectfully Submitted,

COOK, FLATT & STROBEL ENGINEERS, P.A.

Adam McEachron, P.E | Senior Project Engineer

