



**HOMWOOD PATRIOT PARK**  
 POOL



**HOMWOOD PARKS AND RECREATION:**  
 HOMWOOD, AL



**OWNER:**  
 HOMWOOD PARKS AND RECREATION  
 1632 OAKWOOD ROAD  
 HOMWOOD, AL 35209  
 205-332-6704  
 ATTN: BECKLEY SQUIRES

**ARCHITECT:**  
 DAVIS ARCHITECTS, INC.  
 120 23RD STREET SOUTH  
 BIRMINGHAM, AL 35233  
 205-392-7482  
 ATTN: JIM HARTSELL

**LANDSCAPE ARCHITECT:**  
 HNP  
 1914 28TH AVE S.  
 BIRMINGHAM, AL 35209  
 205-334-4447  
 ATTN: TOMMY HOLCOMBE / ED NORTON

**CONSTRUCTION MANAGER:**  
 DL HARBOTT  
 820 SHADES CREEK PARKWAY, SUITE 3000  
 BIRMINGHAM, AL 35209  
 205-862-2900  
 ATTN: JOHN HANSON

**STRUCTURAL ENGINEER:**  
 LBVD INC.  
 715 SOUTH 30TH STREET  
 BIRMINGHAM, AL 35233  
 205-251-4500  
 ATTN: WILBESHOP / BRAD CHRISTOPHER

**MECHANICAL ENGINEER:**  
 WHITAKER & RAWSON  
 3332 OLD MONTGOMERY HIGHWAY  
 SUITE 103  
 BIRMINGHAM, AL 35209  
 205-949-5128  
 ATTN: MARK D'ANDREA AND DAN WHITAKER

**CIVIL ENGINEER:**  
 LBVD INC.  
 715 SOUTH 30TH STREET  
 BIRMINGHAM, AL 35233  
 205-251-4500  
 ATTN: CURTIS EATMAN AND BRAIN HATCHER

**ELECTRICAL ENGINEER:**  
 FISHER ARNOLD  
 1507 ALEX DR.  
 SUITE 101  
 BIRMINGHAM, AL 35210  
 205-833-7033  
 ATTN: JOSEPH KUMU AND NICHOLAS BROWN

**PLUMBING / FIRE PROTECTION ENGINEER:**  
 WHITAKER & RAWSON  
 3332 OLD MONTGOMERY HIGHWAY  
 SUITE 103  
 BIRMINGHAM, AL 35209  
 205-949-5107  
 ATTN: EDK HARTWIG

**POOL CONSULTANT:**  
 COUNSILMAN HUNSAKE  
 10733 SUNSET OFFICE DRIVE  
 SUITE 400  
 ST. LOUIS, MO 63127  
 314 894 1245  
 ATTN: JEFF NODORFT

REV	DATE	DESCRIPTION

DATE: OCTOBER 6, 2017

SCALE: 100% CONSTRUCTION DOCUMENTS

DESIGNED BY: DAVIS ARCHITECTS PROJECT NO: 3822

SHEET TITLE: Special Inspections

DRAWING NO:

**S0.07**

Concrete					
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	IBC REFERENCE	Agent
1.00	INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC	ACI 318 CH 20, 25.2, 25.3, 26.5.1-26.5.3	1908.4	ATA
2.00	REINFORCING BAR WELDING:			---	
2.01	VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A 706.	PERIODIC	AWS D1.4		ATA
2.02	INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16".	PERIODIC	ACI 318: 26.5.4		ATA
2.03	INSPECT ALL OTHER WELDS.	CONTINUOUS			ATA
3.00	INSPECT ANCHORS CAST IN CONCRETE.	PERIODIC	ACI 318: 17.8.2	---	ATA
4.00	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.			---	ATA
4.01	INSPECT ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	CONTINUOUS	ACI 318: 17.8.2.4		ATA
4.02	INSPECT MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.01.	PERIODIC	ACI 318: 17.8.2		ATA
5.00	VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318: CH 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3	ATA
6.00	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. DETERMINE UNIT WEIGHT OF LIGHTWEIGHT CONCRETE.	CONTINUOUS	ASTM C 172; ASTM C 31; ACI 318: 26.4.5, 26.12	1908.10	ATA
7.00	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	ACI 318: 26.4.5	1908.6, 1908.7, 1908.8	ATA
8.00	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	ACI 318: 26.4.7-26.4.9	1908.9	ATA
9.00	INSPECT PRESTRESSED CONCRETE FOR:				
9.01	APPLICATION OF PRESTRESSING FORCES.	CONTINUOUS	ACI 318: 26.9.2.1	---	ATA
9.02	GROUTING OF BONDED PRESTRESSING TENDONS.	CONTINUOUS	ACI 318: 26.9.2.3	---	ATA
10.00	INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	PERIODIC	ACI 318: CH 26.8	---	ATA
11.00	VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC	ACI 318: 26.10.2	---	ATA
12.00	INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	ACI 318: 26.10.1(B)	---	ATA
13.00	ISOLATED CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.			1705.3(1)	ATA
14.00	CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF LIGHT-FRAME CONSTRUCTION OR THOSE THAT ARE DESIGNED IN ACCORDANCE WITH IBC 2015 TABLE 1809.7 ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.			1705.3(2)	ATA
15.00	SLABS ON GRADE ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.			1705.3(3)	ATA
16.00	CONCRETE FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH IBC 2015 TABLE 1807.1.6.2 ARE EXCEPTED FROM INSPECTIONS BUT NOT FROM MATERIALS TESTING.			1705.3(4)	ATA

Masonry - Level B					
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA TMS 402/ACI 530/ASCE 5	REFERENCE FOR CRITERIA TMS 602/ACI 530.1/ASCE 6	AGENT
1.00	VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE FOR SELF-CONSOLIDATING GROUT.	PERIODIC		ART. 1.5 B.1.b.3	ATA
2.00	VERIFICATION OF FM AND FAAC PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY TMS 402/ACI 530/ASCE 5.	PERIODIC		ART. 1.4 B	ATA
3.00	VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS.	PERIODIC		ART. 1.5	ATA
4.00	AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				
4.01	PROPORTIONS OF SITE-PREPARED MORTAR	PERIODIC		ART. 2.1, 2.6 A	ATA
4.02	CONSTRUCTION OF MORTAR JOINTS	PERIODIC		ART. 3.3 B	ATA
4.03	GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC		ART. 2.4 B, 2.4 H	ATA
4.04	LOCATION OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC		ART. 3.4, 3.6 A	ATA
4.05	PRESTRESSING TECHNIQUE	PERIODIC		ART. 3.3 B	ATA
4.06	PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	CONTINUOUS AND PERIODIC(a)		ART. 2.1 C	ATA
5.00	PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				
5.01	GROUT SPACE	PERIODIC		ART. 3.3 B, 3.2 F	ATA
5.02	GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	SEC. 6.1	ART. 2.4 B	ATA
5.03	PLACEMENT OF REINFORCEMENT, CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	SEC. 6.1, 6.1.1, 6.2.6, 6.2.7	ART. 2.2 E, 3.4, 3.6 A	ATA
5.04	PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	PERIODIC		ART. 2.6 B, 2.4 G.1.b	ATA
5.05	CONSTRUCTION OF MORTAR JOINTS	PERIODIC		ART. 3.3 B	ATA
6.00	VERIFY DURING CONSTRUCTION:				
6.01	SIZE AND LOCATION OF STRUCTURAL ELEMENTS	PERIODIC		ART. 3.3 F	ATA
6.02	TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	PERIODIC	SEC. 1.3.2.6, 6.1.4.3, 6.2.1		ATA
6.03	WELDING OF REINFORCEMENT	CONTINUOUS	SEC. 6.1.1.2, 9.3.3.4(c), 11.3.3.4(b)		ATA
6.04	PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)	PERIODIC		ART. 1.8 C, 1.8 D	ATA
6.05	APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	CONTINUOUS		ART. 3.6 B	ATA
6.06	PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	CONTINUOUS AND PERIODIC(a)		ART. 3.5, 3.6 C	ATA
6.07	PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	PERIODIC		ART. 3.3 B.9, 3.3 F.1.b	ATA
7.00	OBSERVE PREPARATION OF GROUT SPECIMENS FOR MORTAR SPECIMENS, AND TEST PRISMS.	PERIODIC		ART. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, 1.4 B.4	ATA

NOTES: (a) CONTINUOUS REQUIRED FOR THE FIRST 5,000 SQUARE FEET OF AAC MASONRY. PERIODIC REQUIRED AFTER THE FIRST 5,000 SQUARE FEET OF AAC MASONRY.

Soils				
NO.	INSPECTION TASK	FREQUENCY	REFERENCE FOR CRITERIA	AGENT
1.00	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC		GEOR
2.00	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC		GEOR
3.00	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC		GEOR
4.00	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT, AND COMPACTION OF COMPACTED FILL.	CONTINUOUS		GEOR
5.00	PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC		GEOR

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