

GRAPHICAL ELECTRICAL SYMBOLS

PAGING AND SOUND SYSTEM NOTES	
SEE SHEET E0.04 FOR WIRING DETAILS AND SYMBOLS.	

SECURITY SYSTEM SYMBOLS	
SECURITY ALARM SYSTEM	CCTV RACK, SEE DETAIL ON SHEET E0.02 AND SPECIFICATIONS.
SECURITY ALARM SYSTEM	FIXED CAMERA, SEE DETAIL ON SHEET E0.02 AND SPECIFICATIONS.

VOICE/DATA OUTLET & CONDUIT SYMBOLS	
VOICE/DATA OUTLET	4" SQUARE WALL OUTLET WITH SINGLE GANG PLASTER RING AND WITH 1" CONDUIT HOMERUN TO VOICE/DATA RACK. SEE DETAIL AND SPECIFICATION FOR CABLING AND JACKS, UNLESS OTHERWISE NOTED. SEE SHEET E0.04.
VOICE OUTLET	4" SQUARE WALL OUTLET MOUNTED 18" AFF WITH SINGLE GANG PLASTER RING AND WITH 1" CONDUIT HOMERUN TO VOICE/DATA RACK. SEE DETAIL AND SPECIFICATION FOR CABLING AND JACKS, UNLESS OTHERWISE NOTED. FOR ELEVATOR MACHINE ROOM. SEE SHEET E0.04.
VOICE/DATA OUTLET NOTES	
*A*	MOUNTED ABOVE COUNTER.
*BC*	MOUNTED BELOW COUNTER.

ADDRESSIBLE FIRE ALARM SYSTEM SYMBOLS	
ADDRESSIBLE SYSTEM	MANUAL PULL STATION, MOUNT 44"H.
ADDRESSIBLE SYSTEM	LOCAL ALARM AND SUPERVISORY CONTROL PANEL.
ADDRESSIBLE SYSTEM	ANNUNCIATOR.
ADDRESSIBLE SYSTEM	SMOKE DETECTOR, PHOTOELECTRIC.
ADDRESSIBLE SYSTEM	AUDIO AND VISUAL SIGNAL, BOTTOM OF DEVICE MOUNTED AT 80"H.
ADDRESSIBLE SYSTEM	VISUAL SIGNAL, BOTTOM OF DEVICE MOUNTED AT 80"H.
ADDRESSIBLE SYSTEM	WATER FLOW SWITCH, SPRINKLER SYSTEM.
ADDRESSIBLE SYSTEM	SUPERVISORY SWITCH, SPRINKLER SYSTEM.
ADDRESSIBLE SYSTEM	MONITOR ZAM.
ADDRESSIBLE SYSTEM	WIRING IN CONDUIT.

GENERAL SYMBOLS	
JUNCTION BOX.	
WALL MOUNTED JUNCTION BOX.	
WALL MOUNTED JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT.	
AIR CONDITIONING UNIT.	
CEILING EXHAUST FAN - FRACTIONAL.	
MANUAL MOTOR STARTER WITH THERMAL PROTECTION.	
SAFETY SWITCH, NON-FUSED.	
SAFETY SWITCH, FUSED.	
CONTACTOR.	
RELAY.	
PHOTO ELECTRIC CELL - W (WALL MOUNTED) OR R (ROOF MOUNTED).	
LIGHTING PANEL AND/OR RECEPTACLE PANEL.	
POWER PANEL.	
TRANSFORMER.	
GROUND.	
OUTDOOR CEILING FAN, ENVROFAN MODEL AGRIFAN PLATINUM LINE 1805-7.	

RECEPTACLE OUTLET SYMBOLS	
WALL OUTLET	DUPLX RECEPTACLE, 20A, 125V, 3WIRE, NEMA 5-20R.
WALL OUTLET	DUPLX RECEPTACLE, 20A, 125V, NEMA 5-20R, GFCI, WEATHER-RESISTANT, WITH IN USE WEATHERPROOF COVER, HUBBELL CATALOG#GR5362SGGY/WPBM
WALL/SWITCH OUTLET	COMBINATION TOGGLE SWITCH/TAMPER RESISTANT RECEPTACLE, 20A, 125V, NEMA 5-20R, LEVITON CATALOG# 5335-E OR EQUAL.
WALL OUTLET	DOUBLE DUPLX RECEPTACLE, 20A, 125V, 3WIRE, NEMA 5-20R, SINGLE PLATE.
WALL OUTLET	SINGLE RECEPTACLE, 20A, 250V, 3WIRE, NEMA 6-20R.
WALL OUTLET	SINGLE RECEPTACLE, 30A, 125V, 3WIRE, NEMA 5-30R.
WALL OUTLET	SINGLE RECEPTACLE, 50A, 250V, 3WIRE, NEMA 6-50R.
WALL OUTLET	SINGLE RECEPTACLE, 20A, 125V, 3WIRE, NEMA L14-20R.
WALL OUTLET	SINGLE RECEPTACLE, 30A, 120/250V, 4WIRE, NEMA 14-30R.

RECEPTACLE OUTLET NOTES	
*G*	GROUND FAULT INTERRUPTER.
*GA*	GROUND FAULT INTERRUPTER, MOUNTED ABOVE COUNTER.
*A*	MOUNTED ABOVE COUNTER.
*BC*	MOUNTED BELOW COUNTER.
*DF*	FOR DRINKING FOUNTAIN, GROUND FAULT INTERRUPTER.

SWITCH OUTLET SYMBOLS	
SWITCH OUTLET	A.C. TYPE, SINGLE POLE, 20A, 125/277V.
SWITCH OUTLET	FAN SPEED CONTROL SWITCH, ENVROFAN MODEL 105F.
SWITCH OUTLET	180° DUAL TECH SENSOR LIGHTING MOTION DETECTOR WALL MOUNTED, WATT STOPPER #DW-100.
SWITCH OUTLET	LIGHTING MOTION DETECTOR POWER PACK, INSTALL ABOVE ACCESSIBLE CEILING, WATT STOPPER #B277-1.
SWITCH OUTLET	360° DUAL TECH SENSOR LIGHTING MOTION DETECTOR, CEILING MOUNTED, WATT STOPPER #DT-300.

SWITCH OUTLET NOTES	
*N*	DENOTES NARROW TYPE FOR MOUNTING IN DOOR FRAMES, ETC. VERIFY MOUNTING REQUIREMENTS BEFORE ROUGH-IN.
*K*	DENOTES KEY OPERATED SWITCH.
*L*	DENOTES STANDARD SWITCH WITH HINGED LOCKING COVER.
*P*	DENOTES PILOT LIGHT IN SWITCH HANDLE, PILOT IS ON WHEN SWITCHES ON.
*NL*	DENOTES PILOT LIGHT IN SWITCH HANDLE, PILOT IS OFF WHEN SWITCHES OFF.
*EP*	EXPLOSION PROOF.
*o* *n*	FIXTURE CORRESPONDS TO A SWITCH DENOTED WITH THE SAME LOWER CASE LETTER.

LIGHTING OUTLET SYMBOLS	
CEILING OUTLET	FIXTURE TYPE "A" CIRCUIT #1.
CEILING OUTLET	FLUORESCENT FIXTURE, SINGLE OR CONTINUOUS, LENGTHS AS SHOWN.
CEILING OUTLET	FLUORESCENT STRIP.
WALL OUTLET	BRACKET TYPE FIXTURE.
WALL OUTLET	FLUORESCENT BRACKET TYPE FIXTURE.

BRANCH CIRCUIT NOTES	
BRANCH CIRCUIT	3#12&1#12GRD-3/4"C
BRANCH CIRCUIT	4#12&1#12GRD-3/4"C
BRANCH CIRCUIT	2#10&1#10GRD-3/4"C
BRANCH CIRCUIT	3#10&1#10GRD-3/4"C

SIZE CONDUIT PER NEC FOR GREATER NUMBER OF CONDUCTORS OR AS NOTED. THE NUMBER IN THE CIRCUIT INDICATES AWG WIRE SIZE AND THE HASHMARKS INDICATE THE NUMBER OF WIRES REQUIRED. EQUIPMENT GROUND CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH NEC TABLE 250-122. THE NUMBER OF HASH MARKS DO NOT INCLUDE EQUIPMENT GROUNDING CONDUCTOR.

EXIT LIGHT SYMBOLS	
CEILING MOUNTED, SINGLE FACE, NO ARROW.	
CEILING MOUNTED, DOUBLE FACE, LEFT OR RIGHT ARROWS.	
CEILING MOUNTED, SINGLE FACE, LEFT OR RIGHT ARROW.	
CEILING MOUNTED, SINGLE FACE, LEFT AND RIGHT ARROWS.	
CEILING MOUNTED, DOUBLE FACE, LEFT AND RIGHT ARROWS.	
WALL MOUNTED, SINGLE FACE, NO ARROW.	
WALL MOUNTED, SINGLE FACE, LEFT AND OR RIGHT ARROW(S).	

BRANCH CIRCUIT SYMBOLS	
BRANCH CIRCUIT	HOMERUN TO 20A, TPOLE CIRCUIT BREAKER IN PANELBOARD OR DEVICE NOTED. WIRE SIZE IS 2#12&1#12GRD-3/4"C.
BRANCH CIRCUIT	CONCEALED IN CEILING OR WALL.
BRANCH CIRCUIT	CONCEALED IN FLOOR.
BRANCH CIRCUIT	EXPOSED.

GENERAL OUTLET NOTES	
*A*	ABOVE COUNTER, VERIFY MOUNT HEIGHT AND MOUNTING DETAILS PRIOR TO ROUGH-IN.
*BC*	MOUNTED BELOW COUNTER, VERIFY MOUNT LOCATION PRIOR TO ROUGH-IN.
*G*	GROUND FAULT INTERRUPTING RECEPTACLE.
*O*	ISOLATED GROUND RECEPTACLE (ORANGE).
*P*	DENOTES PILOT LIGHT IN SWITCH HANDLE, PILOT IS ON WHEN SWITCH IS OFF.
*E*	EMERGENCY.
*D*	FOR DRINKING FOUNTAIN, GROUND FAULT INTERRUPTING UNDER SINKING FOUNTAIN.
*TP*	TAMPER PROOF - SAFETY TYPE RECEPTACLE.
*EP*	EXPLOSION PROOF.
*H*	MOUNTING HEIGHT ABOVE FINISHED FLOOR.

GENERAL ABBREVIATIONS	
H	MOUNTING HEIGHT ABOVE FINISHED FLOOR.
AFF	ABOVE FINISHED FLOOR.
WP	WEATHER PROOF - NEMA 3R
RT	RAIN TIGHT - NEMA 4.
EP	EXPLOSION PROOF.
TP	TAMPER PROOF.
A	MOUNT ABOVE COUNTER.
BC	MOUNT BELOW COUNTER.
F	FLUSH MOUNTED.
SLD	SEE SINGLE LINE DIAGRAM.
GFI	GROUND FAULT INTERRUPTING.
C	CONDUIT.
FC	FLEXIBLE CONDUIT.
SFC	SEALTITE FLEXIBLE CONDUIT.
EMT	ELECTRICAL METALLIC TUBING.
IMC	INTERMEDIATE METALLIC CONDUIT.
RG	RIGID CONDUIT.
PVC	NONMETALLIC RIGID CONDUIT.
EX	EXISTING.
XR	EXISTING TO BE REMOVED.
RL	EXISTING TO BE REMOVED AND RELOCATED.
RQ	EXISTING TO BE REMOVED, EXTEND CIRCUIT CONDUCTORS AS REQUIRED AND INSTALL FINISHED BLANK COVER.
RR	EXISTING TO BE REMOVED AND REPLACED WITH NEW.
RLO	RELOCATED POSITION.
EM	EMERGENCY.
E	EMPTY.

- GENERAL NOTES
- VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL BEFORE ROUGHING IN LIGHT SWITCHES TO ENSURE PROPER SWITCH LOCATION. VERIFY ALL CASEWORK DETAILS TO ENSURE THAT ALL OUTLETS ABOVE CASEWORK ARE AT THE PROPER HEIGHT.
  - SERVICE TO BUILDING SHALL BE 277/480 VOLTS, 3 PHASE, 4 WIRE, WYE.
  - ALL CONDUIT SHALL BE RUN CONCEALED UNLESS SPECIFICALLY SHOWN EXPOSED.
  - THE CONTRACTOR SHALL CHECK ALL LIGHTING FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN.
  - THE CONTRACTOR SHALL WORK CLOSELY WITH THE GENERAL CONTRACTOR AND VERIFY EXACT TYPE OF EQUIPMENT TO BE INSTALLED AND THE DIMENSIONS WHICH MAY AFFECT THE EXACT PLACEMENT OF ELECTRICAL WORK.
  - VERIFY THE EXACT LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGHING IN. LIKEWISE APPRAISE ALL TRADES OF THE LOCATIONS OF ELECTRICAL WORK THAT AFFECTS WALL THICKNESS, PLUMBING, MECHANICAL, ETC.
  - ALL BRANCH CIRCUITS AND FEEDERS SHALL HAVE AN INSULATED GROUND WIRE PULLED IN THE CONDUIT WITH CURRENT CONDUCTOR UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE GROUNDING CONDUCTOR SHALL BE SIZED ACCORDING TO TABLE 250-122 OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE UNLESS INDICATED TO BE LARGER IN THE SPECIFICATIONS OR PLANS.
  - DO ALL WORK IN COMPLIANCE WITH ALL APPLICABLE CODES, LAWS AND ORDINANCES, THE NATIONAL ELECTRICAL CODE (HEREINAFTER REFERRED TO AS "CODE" OR "NEC"), THE AMERICANS WITH DISABILITIES ACT, AND THE REGULATIONS OF THE LOCAL AUTHORITIES HAVING JURISDICTION AND, WHERE APPLICABLE, UTILITY COMPANIES. OBTAIN AND PAY FOR ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES OF INSPECTIONS AND APPROVAL, AND THE LIKE, AND DELIVER WITH THE PROJECT TO THE OWNER.
  - THE MAIN SERVICE SHALL HAVE THE GROUNDING CONDUCTOR (NEUTRAL) GROUND TO THE GROUNDING ELECTRODE SYSTEM AS SHOWN IN TABLE 250-86 OF THE NEC. THE GROUNDING CONDUCTOR (NEUTRAL), THE GROUNDING ELECTRODE CONDUCTOR, AND THE EQUIPMENT GROUNDING CONDUCTOR CONNECTIONS SHALL BE MADE INSIDE THE SERVICE ENTRANCE ENCLOSURE.
  - ALL CONDUCTORS SHALL BE COPPER.
  - MINIMUM CONDUCTOR SIZE SHALL BE #12.
  - ALL CONDUIT INSTALLED INDOORS SHALL BE EMT, OTHERWISE SHALL BE IMC.
  - SWITCH AND RECEPTACLE COVER PLATES SHALL BE STAINLESS STEEL.
  - ALL DEVICES SHALL BE GRAY.
  - ALL FUSES SHALL BE DUAL ELEMENT, TIME DELAY, RATED TO THE CIRCUIT.
  - ALL DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE.
  - ALL CONDUCTORS SHALL BE THIN WALL INSULATED.
  - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, PRIOR TO BID, TO REAFFIRM WITH THE UTILITY COMPANIES INVOLVED, THAT THE LOCATION, ARRANGEMENT (AS TO THE POWER, VOLTAGE, PHASE & METERING REQUIRED) AND CONNECTIONS AT THE UTILITY SERVICE ARE IN ACCORDANCE WITH THEIR REGULATIONS & REQUIREMENTS. IF THEIR REQUIREMENTS ARE AT VARIANCE WITH THESE DRAWINGS & SPECIFICATIONS, THE CONTRACT PRICE SHALL INCLUDE ANY ADDITIONAL COST NECESSARY TO MEET THOSE REQUIREMENTS WITHOUT EXTRA COST TO THE OWNER AFTER A CONTRACT HAS BEEN ENTERED INTO.
  - ON MANY PROJECTS, UTILITY COMPANIES MAY LEVY CHARGES DUE TO LOCATION, SIZE OR TYPE OF SERVICE INVOLVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THESE CHARGES, UNLESS SUCH CHARGES ARE NOT AVAILABLE PRIOR TO BID & CONTRACTOR SO DOCUMENTS AT BID OPENING. SHOULD THE COST NOT BE AVAILABLE, PRIOR TO BID, THE CONTRACTOR SHALL SUBMIT A LETTER TO THE OWNER WITH HIS BID.
  - ARRANGE WITH UTILITY COMPANIES FOR SUCH SERVICE AS SHOWN OR HEREIN SPECIFIED & INSTALLATION OF METER WHERE NECESSARY. FURNISH WITH SHOP DRAWINGS, A SIGNED DOCUMENT FROM UTILITY COMPANIES DESCRIBING THE LOCATION & TYPE OF SERVICE TO BE FURNISHED AND ANY REQUIREMENTS THEY MAY HAVE. THIS DOCUMENT SHALL BE SIGNED FOR EACH UTILITY COMPANY BY A PERSON RESPONSIBLE FOR GRANTING SUCH SERVICES.
  - PAY ALL CHARGES (IF ANY) IN CONNECTION THEREWITH, INCLUDING PERMANENT METER DEPOSIT. METER DEPOSIT WILL BE REFUNDED TO THE CONTRACTOR AT TIME OF OWNER'S ACCEPTANCE.



HOMWOOD PATRIOT PARK POOL  
HOMWOOD PARKS & RECREATION  
DAVIS ARCHITECTS

OWNER  
HOMWOOD PARKS AND RECREATION  
1632 OAKMOOR ROAD  
HOMWOOD, AL 35209  
205-322-6704  
ATTN: BENEKLEY SQUIRES

ARCHITECT  
DAVIS ARCHITECTS, INC.  
120 23RD STREET SOUTH  
BIRMINGHAM, AL 35233  
205-322-7482  
ATTN: JIM HARTSELL

LANDSCAPE ARCHITECT  
HNP  
1914 26TH AVE S.  
BIRMINGHAM, AL 35209  
205-324-4447  
ATTN: TOMMY HOLCOMBE / ED NORTON

CONSTRUCTION MANAGER  
BL HARBERT  
820 SHADES CREEK PARKWAY, SUITE 3000  
BIRMINGHAM, AL 35209  
205-902-2000  
ATTN: JOHN HANSON

STRUCTURAL ENGINEER  
LEYD INC.  
716 SOUTH 30TH STREET  
BIRMINGHAM, AL 35233  
205-251-4500  
ATTN: WIM BISHOP / BRAD CHRISTOPHER

MECHANICAL ENGINEER  
WHITAKER & RAWSON  
3332 OLD MONTGOMERY HIGHWAY  
SUITE 103  
BIRMINGHAM, AL 35209  
205-870-6801  
ATTN: DAN WHITAKER, ERIK HARTWIG, AND MARK D'ANDREA

CIVIL ENGINEER  
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716 SOUTH 30TH STREET  
BIRMINGHAM, AL 35233  
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ATTN: CURTIS EATMAN AND BRAIN HATCHER

ELECTRICAL ENGINEER  
FISHER ARNOLD  
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BIRMINGHAM, AL 35210  
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ATTN: JOSEPH KUMU AND NICHOLAS BROWN

PLUMBING / FIRE PROTECTION ENGINEER  
EDMONDS ENGINEERING  
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BIRMINGHAM, AL 35244  
205-988-2069  
ATTN: CAROL JOHNSON

POOL CONSULTANT  
COUNSILMAN HUNSAKE  
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ATTN: JEFF NODORFT

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E0.00

Order Plans