





















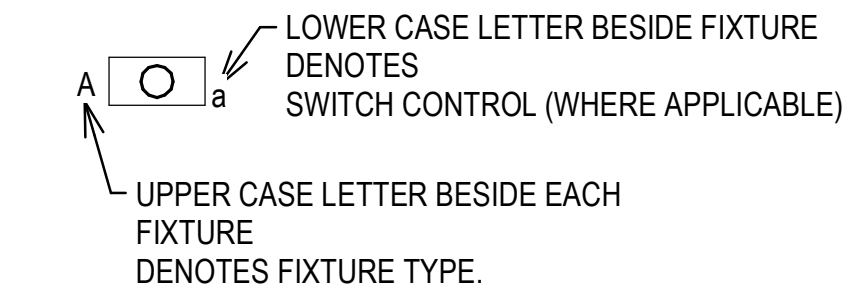









ELECTRICAL SYMBOLS

<u>RECEPTACLES</u> (MOUNTED 18" AFF UNLESS INDICATED OTHERWISE)	
	DUPLEX RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
	DUPLEX RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R) MOUNT 4" ABOVE COUNTER TOP, SINK, OR BACKSPASH (IF PRESENT)
	SINGLE RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
	FLOOR RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
	SINGLE RECEPTACLE OUTLET (20A, 250V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 6-20R)
	SINGLE RECEPTACLE OUTLET (30A, 250V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 6-30R)
	SINGLE SPECIAL-PURPOSE RECEPTACLE OUTLET; NUMBER CORRESPONDS TO THE SPECIAL-PURPOSE RECEPTACLE SCHEDULE
	DUPLEX RECEPTACLE MOUNTED IN CEILING (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
	TWO (2) DUPLEX RECEPTACLES MOUNTED IN DOUBLE GANG BACKBOX (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
	TWO (2) DUPLEX RECEPTACLES FLOOR MOUNTED IN DOUBLE GANG BACKBOX (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)

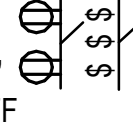
<u>LIGHT FIXTURES</u> (SEE FIXTURE SCHEDULE ON E-601 FOR TYPE)	
	LIGHT FIXTURE, CEILING MOUNTED
	LIGHT FIXTURE, CEILING MOUNTED, ON EMERGENCY CIRCUIT
	LIGHT FIXTURE, CEILING MOUNTED, WITH EMERGENCY SELF CONTAINED BATTERY PACK. BATTERY PACK IS TO REMAIN UNSWITCHED.
	LIGHT FIXTURE, WALL MOUNTED
	LIGHT FIXTURE, INDUSTRIAL STRIP, SURFACE OR PENDANT MOUNTED
	LIGHT FIXTURE, CEILING MOUNTED
	LIGHT FIXTURE, WALL MOUNTED
	EMERGENCY BATTERY POWERED LIGHTING UNIT, WITH SELF CONTAINED BATTERY, CHARGER, ETC. (REFER TO FIXTURE SCHEDULE FOR BATTERY TYPE, VOLTAGE, LAMP TYPE, WATTAGE, ETC.) TRIANGLES DEPICT QUANTITY AND AIMING OF LAMP HEADS
	EXIT SIGN, LIGHTED, CEILING MOUNTED. SHADED AREA INDICATES FACE. ARROW DEPICTS DIRECTIONAL ARROW ON SIGN. WHEN REQUIRED BY THE FIXTURE SCHEDULE, AN EMERGENCY SELF-CONTAINED BATTERY PACK IS TO REMAIN UNSWITCHED.
	EXIT SIGN, LIGHTED, WALL MOUNTED AT 7'-6" AFF (TO BOTTOM OF SIGN) UNLESS INDICATED OTHERWISE. ARROW DEPICTS DIRECTIONAL ARROW ON SIGN. WHEN REQUIRED BY THE FIXTURE SCHEDULE, AN EMERGENCY SELF-CONTAINED BATTERY PACK IS TO REMAIN UNSWITCHED.
	FLOOD LIGHT, ARROW INDICATES DIRECTION OF BEAM
	DOCK LIGHT

LIGHT FIXTURE IDENTIFICATION


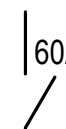

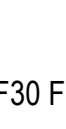






<u>SWITCHGEAR</u>	
	MAGNETIC MOTOR STARTER (FURNISHED BY DIVISION 23, UNLESS NOTED OTHERWISE)
	ELECTRICAL PANELBOARD, FLUSH MOUNTED
	ELECTRICAL PANELBOARD, SURFACE MOUNTED
	SAFETY SWITCH; 30A CURRENT RATING UNLESS NOTED OTHERWISE. +4'-0" TO HANDLE
	FUSIBLE SAFETY SWITCH; CURRENT RATING AND FUSE RATING NOTED. +4'-0" TO HANDLE
	CIRCUIT BREAKER IN WALL MOUNTED ENCLOSURE
	ELECTRICAL TRANSFORMER, FLOOR MOUNTED UNLESS INDICATED OTHERWISE






ELECTRICAL SYMBOLS

<u>SWITCHES</u> (MOUNTED AT 46", UNLESS INDICATED OTHERWISE) (LOWER CASE LETTER INDICATES DEVICES CONTROLLED)	
\$a	SWITCH, SINGLE POLE, 20A
\$2	SWITCH, DOUBLE POLE, 20A SWITCH
\$3	3-WAY, 20A SWITCH
\$4	4-WAY, 20A SWITCH
\$M	SINGLE POLE MANUAL MOTOR STARTING SWITCH, WITH THERMAL OVERLOAD ELEMENT AND PROVISIONS FOR LOCKING OPEN
\$D	SWITCH, DIMMING (COORDINATE WITH FIXTURE MANUFACTURER)
\$LV	LOW VOLTAGE WITH MOMENTARY CONTACTS SWITCH
\$O	OCCUPANCY SENSOR, WALL MOUNTED, DUAL TECHNOLOGY
OS	OCCUPANCY SENSOR, CEILING MOUNTED, DUAL TECHNOLOGY
	MULTIPLE DEVICES LOCATED SIDE BY SIDE (OR ABOVE AND BELOW, IF DIFFERENT ELEVATIONS ARE SHOWN) AT THE LOCATION INDICATED)










SINGLE LINE

	CIRCUIT BREAKER, TRIP RATING AS INDICATED, 3 POLE OR AS INDICATED
	DISCONNECT SWITCH OR LOAD INTERRUPTER SWITCH, CURRENT RATING AS INDICATED, 3 POLE OR AS INDICATED
	SWITCH WITH GROUND FAULT INTERRUPTER
	FUSE, CURRENT RATING AND TYPE WHEN INDICATED
	TRANSFORMER, DESCRIPTION AS NOTED OR PER SCHEDULE
	CURRENT TRANSFORMER
	WATT-HOUR METER
	GENERATOR









PAGING DEVICES

	LOUDSPEAKER OUTLET, CEILING MOUNTED, DIRECTIONAL. SUBSCRIPT "V" DENOTES VOLUME CONTROL.
	LOUDSPEAKER OUTLET, WALL MOUNTED, DIRECTIONAL. SUBSCRIPT "V" DENOTES VOLUME CONTROL.
	LOUDSPEAKER OUTLET, CEILING MOUNTED, BI-DIRECTIONAL. SUBSCRIPT "V" DENOTES VOLUME CONTROL.
	LOUDSPEAKER OUTLET, CEILING MOUNTED. SUBSCRIPT "V" DENOTES VOLUME CONTROL. MOUNT TO ROOF TRUSS WITH BAFFLE BOX IN AREAS WITHOUT CEILINGS.
	SPEAKER VOLUME CONTROL










SECURITY

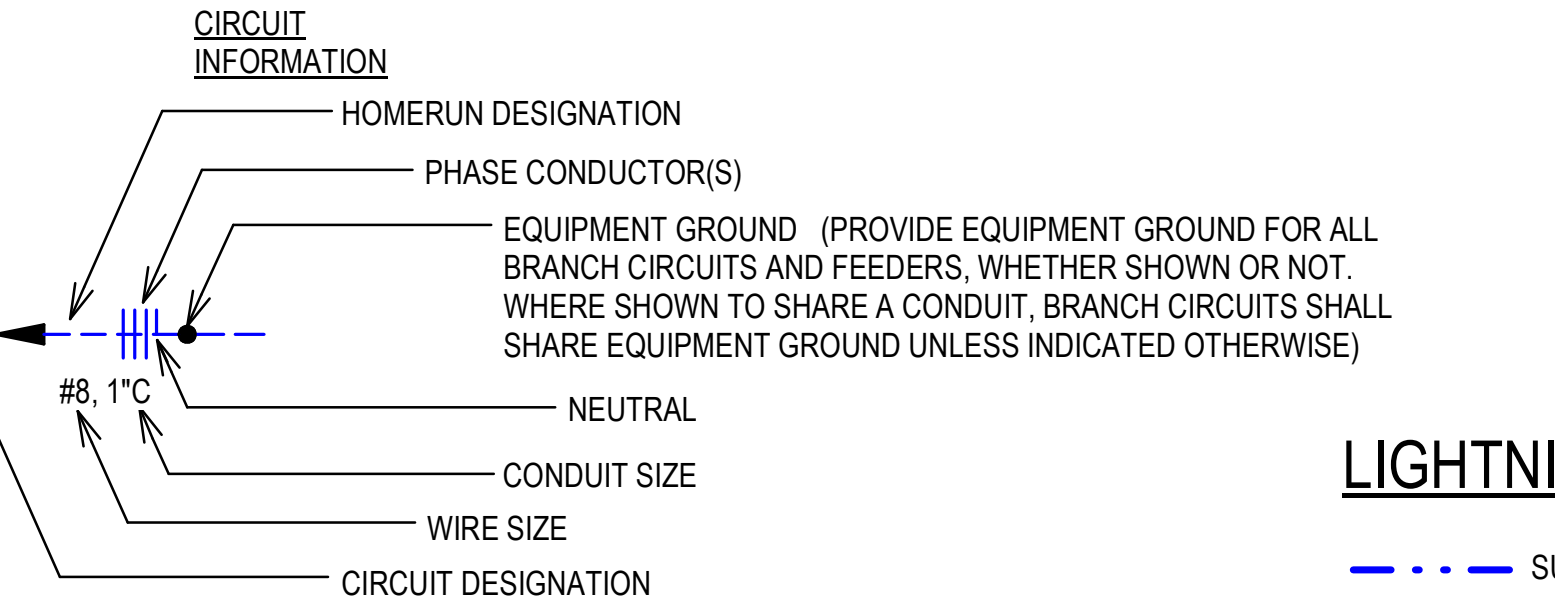
	MAGNETIC ALARM SWITCH
	DURESS ALARM SWITCH
	MOTION DETECTOR
	CAPACITIVE DETECTOR
	CCTV CAMERA LOCATION, CEILING MOUNTED UNLESS INDICATED OTHERWISE
	KEYPAD ACCESS ALARM OVERRIDE CONTROL
	ELECTRIC PUSH-BUTTON
	CARD READER
	REQUEST TO EXIT PUSH BUTTON

ELECTRICAL SYMBOLS

<u>TELEPHONE/COMMUNICATIONS/DATA</u> (OUTLETS SHALL BE MOUNTED 18" AFF UNLESS INDICATED OTHERWISE)	
	TELEPHONE OUTLET. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND PULL CORD. SUBSCRIPT: W - WALL MOUNTED AT 54" AFF;
	TELEPHONE FLOOR OUTLET. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND PULL CORD.
	DATA OUTLET. OUTLET BOX WITH CAT 6 CABLING AND RJ45 CONNECTORS IN 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE.
	DATA FLOOR OUTLET. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND PULL CORD.
	COMBINATION VOICE/DATA OUTLET. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND PULL CORD.
	COMBINATION VOICE/DATA FLOOR OUTLET. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND PULL CORD.
	4'-0" HIGH x 3/4" THICK FIRE-RETARDANT PLYWOOD BACKBOARD. SEE PLANS FOR LENGTH.
	WIRELESS ACCESS POINT OUTLET CEILING MOUNTED. OUTLET BOX WITH 1" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND PULL CORD. NUMBER INDICATES QUANTITY OF DATA JACKS. ABSENCE OF A NUMBER INDICATES ONE DATA JACK.

MISCELLANEOUS

	JUNCTION BOX, WALL MOUNT AS INDICATED
	JUNCTION BOX, CEILING MOUNT AS INDICATED
	CLOCK OUTLET, WALL MOUNTED 7'-6" AFF
	MOTOR
	10' BARE #6 COILED & EXOTHERMICALLY WELDED TO COLUMN
	CABLE TELEVISION OUTLET BOX MOUNTED 18" AFF WITH CONDUIT STUBBED ABOVE CEILING. PROVIDE PULL CORD.
	CONDUIT RUN, EXPOSED
	CONDUIT RUN, CONCEALED
	FLEXIBLE CONDUIT



- CIRCUIT DESIGNATION INDICATES PANELBOARD AND CIRCUIT(S) TO WHICH HOMERUN IS CONNECTED.
- WIRE SIZE SHALL BE NO. 12, UNLESS INDICATED OTHERWISE.
- CONDUIT SIZE SHALL BE MINIMUM ALLOWED BY SPECIFICATIONS FOR NO. 12 SIZE WIRE, 3/4" FOR NO. 10, UNLESS INDICATED OTHERWISE.
- CIRCUIT INFORMATION PROVIDED AT THE HOMERUN SYMBOL SHALL APPLY THE ENTIRE LENGTH OF THE CIRCUIT (FROM PANELBOARD TO LAST LOAD).
- WHEN NO PHASE CONDUCTOR OR NEUTRAL IS INDICATED AT THE HOMERUN SYMBOL, PROVIDE ONE PHASE CONDUCTOR AND ONE NEUTRAL, BOTH NO. 12.
- SWITCHING CONDUCTORS, CONDUCTORS FOR NIGHT LIGHT CIRCUITS (UNSWITCHED), ETC. ARE NOT SHOWN, BUT SHALL BE PROVIDED AS NECESSARY.
- WIRE SIZE INDICATED ON THESE DOCUMENTS AS INDICATED BY "NO." OR "#" HAS THE SAME MEANING AS "AWG" (N.E.C. NOMENCLATURE). (I.E."NO. 12" OR "# 12" MEANS "12AWG" IN N.E.C. NOMENCLATURE.)

ELECTRICAL SYMBOLS

ABBREVIATIONS:

AFF = ABOVE FINISHED FLOOR
AFL = ABOVE FINISHED LANDING
GFI = GROUND FAULT INTERRUPTER
IG = ISOLATED GROUND
UIO = UNLESS INDICATED OTHERWISE
WP = WEATHERPROOF CONSTRUCTION
OF/OI = OWNER FURNISHED / OWNER INSTALLED
CF/CI = CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
TYP = TYPICAL
NIC = NOT IN CONTRACT

GENERAL SYMBOLS NOTES:

- ALL SYMBOLS MAY NOT BE USED.
- MOUNTING HEIGHTS ARE ABOVE FINISHED FLOOR OR GRADE TO THE CENTER LINE OF THE OUTLET, DEVICE, ETC. UNLESS INDICATED OTHERWISE.
- LARGE AMPACITY CIRCUIT DESIGNATION
EXAMPLE: 4 SETS OF 3#500, #250, #1/0G, 4"C MEANS IN EACH OF FOUR 4" CONDUITS INSTALL THREE 500 KCM CONDUCTORS, ONE 250 KCM NEUTRAL AND ONE #1/0 GROUND.

COLOR LEGEND:

- EXISTING TO REMAIN
- DEMOLISH
- NEW CONSTRUCTION

LINESTYLE LEGEND:

- DEMOLISH
- EXISTING TO REMAIN
- NEW

LIGHTNING PROTECTION LEGEND:

- SURFACE MOUNTED LIGHTNING PROTECTION MAIN CONDUCTOR
- AIR TERMINAL
- DOWN CONDUCTOR
- GROUND ROD
- COUNTERPOISE CONDUCTOR
- GROUND WIRE



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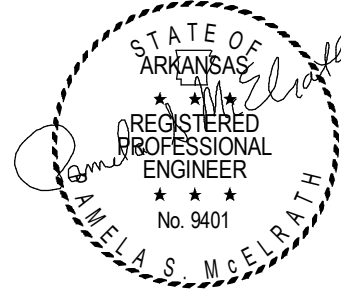
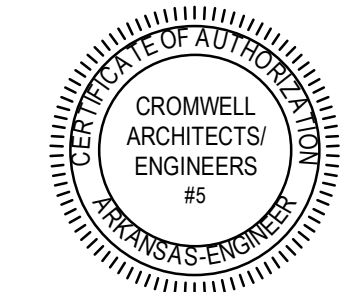


Design Phase

CONSTRUCTION DOCUMENTS

Revisions		
No.	Date	Description

Stamp



11-13-2024

Notes

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ELECTRICAL LEGEND

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