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LIGHTING, POWER & SYSTEM LEGEND

	UNDER CABINET LIGHT FIXTURE		JUNCTION BOX, 42 CUBIC INCH MINIMUM CAPACITY
	1x4 FLUORESCENT LIGHT FIXTURE		FIRE ALARM SMOKE DETECTOR, COMBINATION TYPE, PHOTOELECTRIC AND HEAT
	2x4 FLUORESCENT LIGHT FIXTURE		FIRE ALARM DOUBLE ACTION, MANUAL PULL STATION, 4'-0" AFF TO CENTERLINE
	FLUORESCENT LIGHT FIXTURE WITH EMERGENCY LIGHT (EL) BATTERY PACK, 1400 LUMENS MINIMUM FOR 2 LAMPS		FIRE ALARM DUCT SMOKE DETECTOR WITH AUXILIARY CONTACTS TO SHUT OFF SUPPLY FAN
	2x2 FLUORESCENT LIGHT FIXTURE		FIRE ALARM HEAT DETECTOR (TEMPERATURE AS INDICATED)
	RECESSED LIGHT FIXTURE, UNLESS OTHERWISE SHOWN		FIRE ALARM HORN AND STROBE LIGHT COMBINATION DEVICE, 80" AFF TO BOTTOM (CANDELA AS INDICATED)
	WALL MOUNTED LIGHT FIXTURE, MOUNTING HEIGHT AS INDICATED		CEILING-MOUNTED FIRE ALARM HORN AND STROBE LIGHT COMBINATION DEVICE, 80" AFF TO BOTTOM (CANDELA AS INDICATED)
	LED EXIT LIGHT FIXTURE, CEILING MOUNTED, DARKENED AREA INDICATES FACE, ARROWS INDICATE DIRECTION OF EGRESS		FIRE ALARM STROBE LIGHT DEVICE, 80" AFF TO BOTTOM (CANDELA AS INDICATED)
	BATTERY PACK EMERGENCY LIGHT FIXTURE WITH TWO LAMP HEADS		CEILING-MOUNTED FIRE ALARM STROBE LIGHT DEVICE, 80" AFF TO BOTTOM (CANDELA AS INDICATED)
	INDUSTRIAL STRIP FLUORESCENT LIGHT FIXTURE		CEILING-MOUNTED FIRE ALARM SPEAKER DEVICE, 80" AFF TO BOTTOM
	LIGHT SWITCH, 120V, 20A, MTD. 4'-0" AFF		FIRE-RATED SPRINKLER FLOW SWITCH
	LIGHT SWITCH, 120V, 20A, 2 POLE, MTD. 4'-0" AFF		FIRE-RATED TAMPER SWITCH
	LIGHT SWITCH, 120V, 20A, 3-WAY, MTD. 4'-0" AFF		FIRE-RATED PRESSURE SWITCH
	LIGHT SWITCH, 120V, 20A, 4-WAY, MTD. 4'-0" AFF		PAGING/INTERCOM SYSTEM SPEAKER, CEILING MOUNTED UNLESS OTHERWISE NOTED
	DIMMER SWITCH, 120V, 20A, MTD. 4'-0" AFF		CEILING MOUNTED MICROPHONE DEVICE
	LIGHT SWITCH WITH PILOT LIGHT, 120V, 20A, MTD. 4'-0" AFF		CLASS PERIOD BELL RINGER
	MULT-SPEED FAN SWITCH, 120V, 20A, MTD. 4'-0" AFF		DOOR BUTTON WEATHER PROOF, 50" AFF
	LIGHT SWITCH, 120V, 20A, OCCUPANCY SENSOR TYPE, DUAL TECHNOLOGY, 3-POSITION, OFF-ON-AUTO, MTD. 4'-0" AFF		DOOR BUZZER MTD 7'-0" AFF
	CEILING MOUNTED LIGHT SWITCH, 120V, 20A, OCCUPANCY SENSOR TYPE, DUAL TECHNOLOGY		DOOR SWITCH MOUNTED IN DOOR JAMB
	OCCUPANCY SENSOR POWER PACK, INSTALL ABOVE CELING OR MOUNTED TO STRUCTURE AND PAINTED TO MATCH		MICROPHONE OUTLET, SEE DETAIL FOR CONFIGURATION
	PAGING/INTERCOM SYSTEM CALL SWITCH, 4'-0" AFF		TRANSFORMER, IDENTIFIER SHOWN, REFER TO SCHEDULE FOR SIZE
	HP RATED TOGGLE SWITCH, 1 OR 2 POLES AS REQUIRED W/OVERLOADS, SIZE AS REQUIRED		TRANSFORMER, RATINGS AS SHOWN
	NON-FUSED DISCONNECT SWITCH, SIZE AS NOTED		HANDHOLE, IDENTIFIER SHOWN, REFER TO HANDHOLE SCHEDULE FOR SIZE
	FUSED DISCONNECT SWITCH, SIZE AS NOTED		ELECTRIC MOTOR, HORSEPOWER AS SHOWN
	PUSHBUTTON STATION, NEMA 4X UNLESS NOTED		MOTOR OVERLOAD
	20 AMP SINGLE RECEPTACLE, TYPE, MOUNTING HEIGHT AND RATINGS AS NOTED, "C" INDICATES CLOCK HANGER RECEPTACLE MTD. 12" BELOW CEILING UNLESS NOTED OTHERWISE		MOTOR STARTER, SIZE AS SHOWN OR REQUIRED, FVNR UNLESS NOTED
	20 AMP DUPLEX RECEPTACLE, MTD. 18" AFF, WITH #12 GROUND WIRE, "GFCI" INDICATES GROUND FAULT CIRCUIT INTERRUPTER, "WP" INDICATES WEATHERPROOF WHILE-IN-USE ENCLOSURE AND COVER, "TR" INDICATES TAMPER-RESISTANT DEVICE, BOX INDICATES FLOOR OUTLET WITH RECESSED CAST JUNCTION BOX		CIRCUIT BREAKER, TRIP RATING SHOWN, 3-POLE UNLESS NOTED OTHERWISE
	20 AMP DUPLEX RECEPTACLE, MTD. 48" AFF		VARIABLE FREQUENCY DRIVE
	20 AMP DUPLEX RECEPTACLE MTD. HORIZ. 6" ABOVE COUNTER TOP UNLESS OTHERWISE SHOWN		FUSE, CURRENT LIMITING, AMPERE RATING AS SHOWN OR REQUIRED, "BFI" INDICATES "BLOWN FUSE INDICATOR" TYPE
	20 AMP QUADPLEX RECEPTACLE, MTD. 18" AFF		DUCT BANK, IDENTIFIER SHOWN, REFER TO DUCT BANK SCHEDULE FOR SIZE AND CONFIGURATION
	SPECIAL RECEPTACLE, TYPE, MOUNTING HEIGHT AND RATINGS AS NOTED		TRANSIENT VOLTAGE SURGE SUPPRESSOR WITH INDICATING LIGHTS
	250V, 50 AMP, WELDING RECEPTACLE		GENERATOR, RATINGS AS SHOWN
	ELECTRICAL PANEL OR EQUIPMENT CABINET, SURFACE MOUNTED, 5'-6" TO TOP OF ENCLOSURE		ATS, RATINGS AS SHOWN
	ELECTRICAL PANEL OR EQUIPMENT CABINET, RECESSED MOUNTED, 5'-6" TO TOP OF ENCLOSURE		CABLE TRAY SYSTEM, LADDER TYPE, SIZE AS NOTED
	HOME RUN TO PANEL IN DEDICATED CONDUIT, RECEPTACLES AND EQUIPMENT SHALL HAVE DEDICATED GREEN GROUND WIRE. NUMBER OF ARROWS INDICATES NUMBER OF PHASE CONDUCTORS, LETTER(S) INDICATE NAME OF PANEL, NUMBER(S) INDICATE CIRCUIT NUMBERS		WEATHERHEAD
	BRANCH CIRCUIT WITH PHASE, NEUTRAL, SWITCHED PHASE AND EQUIPMENT GROUNDING CONDUCTORS		CABLE CONNECTION
	TELEPHONE OUTLET, SINGLE GANG BOX MTD. 18" AFF WITH 3/4"C STUB TO ABOVE LAY-IN CEILING, "W" INDICATES 4'-6" MTD. HEIGHT FOR WALL PHONE.		CAPACITOR, KVAR AS SHOWN
	INFORMATION OUTLET, 18" AFF UNLESS NOTED OTHERWISE, JACK CONFIGURATION, 3 DATA AND 1 TELEPHONE, BOX INDICATES FLOOR OUTLET WITH RECESSED CAST JUNCTION BOX		DEFLECTION AND EXPANSION CONDUIT FITTING
	DATA OUTLET		GROUND
	TELEVISION OUTLET, SINGLE GANG BOX MTD. 18" AFF WITH 3/4"C STUB TO ABOVE LAY-IN CEILING UNLESS NOTED OTHERWISE, SEE DETAIL FOR CONFIGURATION		3/4" x 10' COPPER CLAD GROUND ROD
	CCTV CAMERA		3/4" PLYWOOD TELEPHONE BACKBOARD, SIZE AS NOTED, MTD. 5'-6" TO TOP

ABBREVIATIONS

A	AMP	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	RVAT	REDUCED VOLTAGE
ABC	ABOVE COUNTER	GFGI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED	S	AUTO-TRANSFORMER STARTER SECOND
ACS	ACCESS CONTROL SYSTEM	GND	GROUND	SA	SURGE ARRESTER
ACU	AIR CONDITIONING UNIT	GRS	GALVANIZED RIGID STEEL	SDBC	SOFT DRAWN BARE COPPER
AFF	ABOVE FINISHED FLOOR	HID	HIGH INTENSITY DISCHARGE	SE	SERVICE ENTRANCE
AFG	ABOVE FINISHED GRADE	HOA	HAND-OFF-AUTO	SHT	SHEET
AIC	AMPS INTERRUPTING CAPACITY	HP	HORSEPOWER OR HEAT PUMP	SN	SOLID NEUTRAL
AM	AMP-METER	IDS	INTRUSION DETECTION SYSTEM	SS	STAINLESS STEEL OR SOFT START
ANN	ANNUNCIATOR	HR	HOUR	STA	STATION
AP	AERIAL PRIMARY	IG	ISOLATED GROUND	SW	SWITCH
AS	AERIAL SECONDARY	ISP	INDIVIDUALLY SHIELDED PAIR	TC	TIME CLOCK
ATS	AUTOMATIC TRANSFER SWITCH	JB	JUNCTION BOX	TD	TIME DELAY
AUX	AUXILIARY	kVA	KILOVOLT-AMPERE	TDD	TIME DELAY ON DE-ENERGIZATION
BFI	BLOWN FUSE INDICATOR	kVAR	KILOVOLT-AMPERE, REACTIVE	TDE	TIME DELAY ON ENERGIZATION
BI	BYPASS ISOLATION	kW	KILOWATT	TEL	TELEPHONE
BKR	BREAKER	LA	LIGHTNING ARRESTER	THD	TOTAL HARMONIC DISTORTION
C	CONDUIT	LLF	LIGHT LOSS FACTOR	TR	TAMPER RESISTANT
CB	CIRCUIT BREAKER	LO	LUGS ONLY	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
CCTV	CLOSED CIRCUIT TELEVISION	LOR	LOCAL-OFF-REMOTE	TYP	TYPICAL
CGRS	PVC COATED GALVANIZED RIGID STEEL	LV	LOW VOLTAGE	UG	UNDER GROUND
CFCI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED	MCB	MAIN CIRCUIT BREAKER	UGE	UNDER GROUND ELECTRIC
CKT	CIRCUIT	MCC	MOTOR CONTROL CENTER	UGP	UNDERGROUND PRIMARY
CL	CENTERLINE	MCP	MOTOR CIRCUIT PROTECTOR	UGS	UNDERGROUND SECONDARY
COM	COMMON	MFR	MANUFACTURER	UH	UNIT HEATER
CONT	CONTINUOUS	MIN	MINIMUM	UNO	UNLESS NOTED OTHERWISE
CP	CONTROL PANEL	MLO	MAIN LUGS ONLY	UTP	UNSHIELDED TWISTED PAIR
CPT	CONTROL POWER TRANSFORMER	MS	MOTOR STARTER	V	VOLT
CR	CONTROL RELAY	MTD	MOUNTED	VA	VOLT-AMP
CRI	COLOR RENDERING INDEX	N	NEUTRAL	VFD	VARIABLE FREQUENCY DRIVE
CS	CORD SET	NFDS	NON-FUSED DISCONNECT SWITCH	VM	VOLT-METER
CU	COEFFICIENT OF UTILIZATION	NL	NIGHT LIGHT	W	WATT OR WIRE
DEB	DIRECT EARTH BURIED	NTS	NOT TO SCALE	WH	WEATHER HEAD
EC	EMPTY OR EMBEDDED CONDUIT	OC	ON CENTER	WM	WATT METER
EF	EXHAUST FAN	OCFI	OWNER FURNISHED/ CONTRACTOR INSTALLED	WP	WEATHERPROOF
EG	EQUIPMENT GROUND	OH	OVERHEAD	W/	WITH
EL	ELEVATION	OHP	OVERHEAD PRIMARY	XFMR	TRANSFORMER
EMT	ELECTRICAL METALLIC TUBING	OHS	OVERHEAD SECONDARY		
ETM	ELAPSED TIME METER	OL	OVERLOAD		
FA	FIRE ALARM	PB	PUSH BUTTON		
FACP	FIRE ALARM CONTROL PANEL	PEC	PHOTO ELECTRIC CELL		
FC	FAN COIL	PF	POWER FACTOR		
FDS	FUSED DISCONNECT SWITCH	PFCC	POWER FACTOR CORRECTION CAPACITOR		
FLR	FLOOR	PL	PILOT LIGHT		
FOC	FIBER OPTIC CABLE	PMR	PHASE MONITOR RELAY		
FS	FLOAT SWITCH	PNL	PANEL		
FT	FEET	PTT	PUSH-TO-TEST		
FVNR	FULL VOLTAGE NON-REVERSING STARTER	PTZ	PAN-TILT-ZOOM		
FVR	FULL VOLTAGE REVERSING STARTER	PVC	SCHEDULE 40 POLYVINYL CONDUIT		
		RECPT	RECEPTACLE		
		RM	ROOM		

GENERAL NOTES:

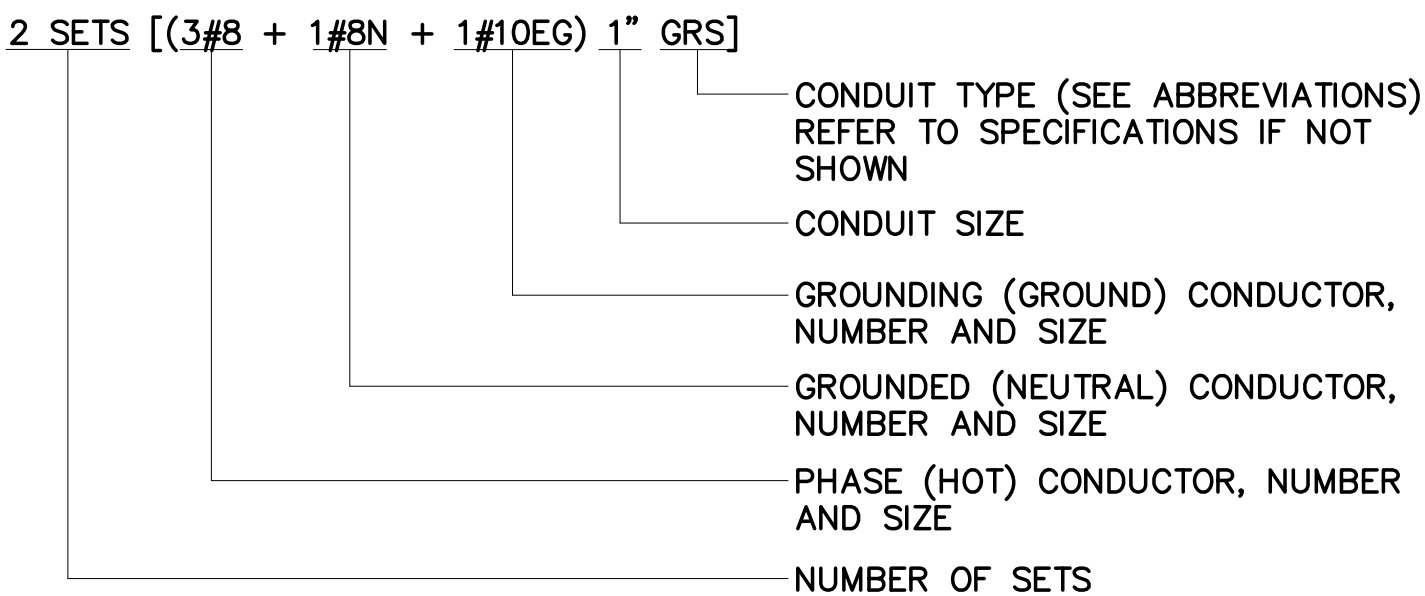
- SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET BUT NOT BE UTILIZED ON THE PROJECT.
- LIGHTING LEGEND SHOWS EXAMPLE IDENTIFIERS, REFER TO LIGHT FIXTURE SCHEDULE FOR SPECIFIC REQUIREMENTS.

EQUIPMENT LINE TYPES

_____	NEW EQUIPMENT
-----	EXISTING EQUIPMENT
----	EQUIPMENT PACKAGE

CONTROL SCHEMATIC LEGEND

	WIRING WITHIN PANEL		LEVEL SWITCH
	WIRING TO FIELD DEVICE		PRESSURE SWITCH
	PUSHBUTTON SWITCH, NORMALLY OPEN		LIMIT SWITCH CONTACT, NORMALLY OPEN
	PUSHBUTTON SWITCH, NORMALLY CLOSED		LIMIT SWITCH CONTACT, NORMALLY CLOSED
	SELECTOR SWITCH, NUMBER OF POSITIONS AND CONTACTS AS SHOWN		LIMIT SWITCH CONTACT, HELD OPEN
	RELAY CONTACT, NORMALLY OPEN		LIMIT SWITCH CONTACT, HELD CLOSED
	RELAY CONTACT, NORMALLY CLOSED		RELAY COIL, "TR" INDICATES "TIMING RELAY"
	TIME DELAY CONTACT, CLOSE ON ENERGIZATION		PILOT LIGHT; "A" INDICATES "AMBER LENS" "G" INDICATES "GREEN LENS" "R" INDICATES "RED LENS"
	TIME DELAY CONTACT, OPEN ON ENERGIZATION		SOLENOID
	TIME DELAY CONTACT, OPEN ON DE-ENERGIZATION		ELAPSED TIME METER
	TIME DELAY CONTACT, CLOSE ON DE-ENERGIZATION		TERMINAL BLOCK
			ELECTRICAL CONNECTION
			GROUND CONNECTION TO ENCLOSURE GROUND BAR



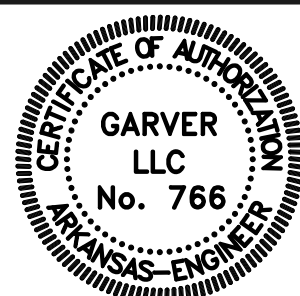
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										BY
										Date
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PROJECT TITLE
REPAIR & RENOVATE MED. CLINIC PH IV A
LITTLE ROCK AIR FORCE BASE
JACKSONVILLE, ARKANSAS

SHEET TITLE
ELECTRICAL
LEGEND AND ABBREVIATIONS

DRAWN BY MCL	LEAD DESIGNER ECF
TECH REVIEWER ECF	PROJECT NUMBER NKAK 06-8006 4A
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SCALE AS SHOWN	39 OF 51