

LIGHTING, POWER & SYSTEM LEGEND			ABBREVIATIONS		
	A	UNDER CABINET LIGHT FIXTURE		J	JUNCTION BOX, 42 CUBIC INCH MINIMUM CAPACITY
	B	1x4 FLUORESCENT LIGHT FIXTURE		S	FIRE ALARM SMOKE DETECTOR, COMBINATION TYPE, PHOTOELECTRIC AND HEAT
	C	2x4 FLUORESCENT LIGHT FIXTURE		D	FIRE ALARM DOUBLE ACTION, MANUAL PULL STATION, 4'-0" AFF TO CENTERLINE
	EL	FLUORESCENT LIGHT FIXTURE WITH EMERGENCY LIGHT (EL) BATTERY PACK, 1400 LUMENS MINIMUM FOR 2 LAMPS		D	FIRE ALARM DUCT SMOKE DETECTOR WITH AUXILIARY CONTACTS TO SHUT OFF SUPPLY FAN
	E	2x2 FLUORESCENT LIGHT FIXTURE		35'	FIRE ALARM HEAT DETECTOR (TEMPERATURE AS INDICATED)
	F	RECESSED LIGHT FIXTURE, UNLESS OTHERWISE SHOWN		CD	FIRE ALARM HORN AND STROBE LIGHT COMBINATION DEVICE, 80" AFF TO BOTTOM (CANDELA AS INDICATED)
	H	WALL MOUNTED LIGHT FIXTURE, MOUNTING HEIGHT AS INDICATED		CD	CEILING-MOUNTED FIRE ALARM HORN AND STROBE LIGHT COMBINATION DEVICE, 80" AFF TO BOTTOM (CANDELA AS INDICATED)
	X	LED EXIT LIGHT FIXTURE, CEILING MOUNTED, DARKENED AREA INDICATES FACE, ARROWS INDICATE DIRECTION OF EGRESS		CD	FIRE ALARM STROBE LIGHT DEVICE, 80" AFF TO BOTTOM (CANDELA AS INDICATED)
	EM	BATTERY PACK EMERGENCY LIGHT FIXTURE WITH TWO LAMP HEADS		CD	CEILING-MOUNTED FIRE ALARM STROBE LIGHT DEVICE, 80" AFF TO BOTTOM (CANDELA AS INDICATED)
	K	INDUSTRIAL STRIP FLUORESCENT LIGHT FIXTURE		CD	CEILING-MOUNTED FIRE ALARM SPEAKER DEVICE, 80" AFF TO BOTTOM
	S	LIGHT SWITCH, 120V, 20A, MTD. 4'-0" AFF		FS	FIRE-RATED SPRINKLER FLOW SWITCH
	S ₂	LIGHT SWITCH, 120V, 20A, 2 POLE, MTD. 4'-0" AFF		TS	FIRE-RATED TAMPER SWITCH
	S ₃	LIGHT SWITCH, 120V, 20A, 3-WAY, MTD. 4'-0" AFF		PS	FIRE-RATED PRESSURE SWITCH
	S ₄	LIGHT SWITCH, 120V, 20A, 4-WAY, MTD. 4'-0" AFF		OR	PAGING/INTERCOM SYSTEM SPEAKER, CEILING MOUNTED UNLESS OTHERWISE NOTED
	S _D	DIMMER SWITCH, 120V, 20A, MTD. 4'-0" AFF		B	CLASS PERIOD BELL RINGER
	S _P	LIGHT SWITCH WITH PILOT LIGHT, 120V, 20A, MTD. 4'-0" AFF		*	DOOR BUTTON WEATHER PROOF, 50" AFF
	S _F	MULT-SPEED FAN SWITCH, 120V, 20A, MTD. 4'-0" AFF		*	DOOR BUZZER MTD 7'-0" AFF
	S _{OS}	LIGHT SWITCH, 120V, 20A, OCCUPANCY SENSOR TYPE, PASSIVE INFRARED AND ULTRASONIC, 3-POSITION, OFF-ON-AUTO, MTD. 4'-0" AFF		S	DOOR SWITCH MOUNTED IN DOOR JAMB
	OS	CEILING-MOUNTED LIGHT SWITCH, 120V, 20A, OCCUPANCY SENSOR TYPE, PASSIVE INFRARED AND ULTRASONIC, 3-POSITION, OFF-ON-AUTO, MTD. 4'-0" AFF		M	MICROPHONE OUTLET, SEE DETAIL FOR CONFIGURATION
	S _C	PAGING/INTERCOM SYSTEM CALL SWITCH, 4'-0" AFF		T	TRANSFORMER, IDENTIFIER SHOWN, REFER TO SCHEDULE FOR SIZE
	S _M	HP RATED TOGGLE SWITCH, 1 OR 2 POLES AS REQUIRED W/OVERLOADS, SIZE AS REQUIRED			TRANSFORMER, RATINGS AS SHOWN
	OR	NON-FUSED DISCONNECT SWITCH, SIZE AS NOTED		H ₁	HANDHOLE, IDENTIFIER SHOWN, REFER TO HANDHOLE SCHEDULE FOR SIZE
	OR	COMBINATION DISCONNECT AND MOTOR STARTER, SIZE AS NOTED, FUSED TYPE SHOWN		M	ELECTRIC MOTOR, HORSEPOWER AS SHOWN
	OR	FUSED DISCONNECT SWITCH, SIZE AS NOTED			MOTOR OVERLOAD
		PUSHBUTTON STATION, NEMA 4X UNLESS NOTED		1	MOTOR STARTER, SIZE AS SHOWN OR REQUIRED, FVNR UNLESS NOTED
		20 AMP SINGLE RECEPTACLE, TYPE, MOUNTING HEIGHT AND RATINGS AS NOTED, "C" INDICATES CLOCK HANGER RECEPTACLE MTD. 12" BELOW CEILING UNLESS NOTED OTHERWISE		20A/3P	CIRCUIT BREAKER, TRIP RATING SHOWN, 3-POLE UNLESS NOTED OTHERWISE
		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			VARIABLE FREQUENCY DRIVE
		20 AMP DUPLEX RECEPTACLE, MTD. 48" AFF		20A	FUSE, CURRENT LIMITING, AMPERE RATING AS SHOWN OR REQUIRED, "BFI" INDICATES "BLOWN FUSE INDICATOR" TYPE
		20 AMP DUPLEX RECEPTACLE MTD. HORIZ. 6" ABOVE COUNTER TOP UNLESS OTHERWISE SHOWN		D	DUCT BANK, IDENTIFIER SHOWN, REFER TO DUCT BANK SCHEDULE FOR SIZE AND CONFIGURATION
		20 AMP QUADPLEX RECEPTACLE, MTD. 18" AFF		TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR WITH INDICATING LIGHTS
		SPECIAL RECEPTACLE, TYPE, MOUNTING HEIGHT AND RATINGS AS NOTED		G	GENERATOR, RATINGS AS SHOWN
		250V, 50 AMP, WELDING RECEPTACLE			ATS, RATINGS AS SHOWN
		ELECTRICAL PANEL OR EQUIPMENT CABINET, SURFACE MOUNTED, 5'-6" TO TOP OF ENCLOSURE			CABLE TRAY SYSTEM, LADDER TYPE, SIZE AS NOTED
		ELECTRICAL PANEL OR EQUIPMENT CABINET, RECESSED MOUNTED, 5'-6" TO TOP OF ENCLOSURE			WEATHERHEAD
	#	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			CABLE CONNECTION
		BRANCH CIRCUIT WITH PHASE, NEUTRAL, SWITCHED PHASE AND EQUIPMENT GROUNDING CONDUCTORS			CAPACITOR, KVAR AS SHOWN
	W	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.			DEFLECTION AND EXPANSION CONDUIT FITTING
	3	INFORMATION OUTLET, 18" AFF UNLESS NOTED OTHERWISE, SEE DETAIL FOR CONFIGURATION, BOX INDICATES FLOOR OUTLET WITH RECESSED CAST JUNCTION BOX			
		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			
		CCTV CAMERA			
		GROUND			
		3/4" x 10' COPPER CLAD GROUND ROD			
		3/4" PLYWOOD TELEPHONE BACKBOARD, SIZE AS NOTED, MTD. 5'-6" TO TOP			

	A	AMP		GFCI	GROUND FAULT CIRCUIT INTERRUPTER		S	SECOND SURGE ARRESTER
	ACS	ACCESS CONTROL SYSTEM		GND	GROUND		SDBC	SOFT DRAWN BARE COPPER
	ACU	AIR CONDITIONING UNIT		GRS	GALVANIZED RIGID STEEL		SE	SERVICE ENTRANCE
	AFF	ABOVE FINISHED FLOOR		HID	HIGH INTENSITY DISCHARGE		SHT	SHEET
	AFG	ABOVE FINISHED GRADE		HOA	HAND-OFF-AUTO		SN	SOLID NEUTRAL
	AIC	AMPS INTERRUPTING CAPACITY		HP	HORSEPOWER OR HEAT PUMP		SS	STAINLESS STEEL
	AM	AMP-METER		IDS	INTRUSION DETECTION SYSTEM		STA	STATION
	ANN	ANNUNCIATOR		HR	HOUR		SW	SWITCH
	AP	AERIAL PRIMARY		IG	ISOLATED GROUND		TEL	TELEPHONE
	AS	AERIAL SECONDARY		ISP	INDIVIDUALLY SHIELDED PAIR		TD	TIME DELAY
	ATS	AUTOMATIC TRANSFER SWITCH		JB	JUNCTION BOX		TDD	TIME DELAY ON DE-ENERGIZATION
	AUX	AUXILIARY		KVA	KILOVOLT-AMPERE		TDE	TIME DELAY ON ENERGIZATION
	BFI	BLOWN FUSE INDICATOR		KVAR	KILOVOLT-AMPERE, REACTIVE		THD	TOTAL HARMONIC DISTORTION
	BI	BYPASS ISOLATION		KW	KILOWATT		TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
	BKR	BREAKER		LA	LIGHTNING ARRESTER		TYP	TYPICAL
	C	CONDUIT		LLF	LIGHT LOSS FACTOR		TC	TIME CLOCK
	CB	CIRCUIT BREAKER		LO	LUGS ONLY		UG	UNDER GROUND
	CCTV	CLOSED CIRCUIT TELEVISION		LOR	LOCAL-OFF-REMOTE		UGE	UNDER GROUND ELECTRIC
	CGRS	PVC COATED GALVANIZED RIGID STEEL		LV	LOW VOLTAGE		UGP	UNDERGROUND PRIMARY
	CFCI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED		MCB	MAIN CIRCUIT BREAKER		UGS	UNDERGROUND SECONDARY
	CKT	CIRCUIT		MCC	MOTOR CONTROL CENTER		UH	UNIT HEATER
	CL	CENTERLINE		MCP	MOTOR CIRCUIT PROTECTOR		UNO	UNLESS NOTED OTHERWISE
	COM	COMMON		MFR	MANUFACTURER		UTP	UNSHIELDED TWISTED PAIR
	CONT	CONTINUOUS		MIN	MINIMUM		V	VOLT
	CP	CONTROL PANEL		MLO	MAIN LUGS ONLY		VA	VOLT-AMP
	CPT	CONTROL POWER TRANSFORMER		MS	MOTOR STARTER		VFD	VARIABLE FREQUENCY DRIVE
	CR	CONTROL RELAY		MTD	MOUNTED		VM	VOLT-METER
	CRI	COLOR RENDERING INDEX		N	NEUTRAL		W	WATT OR WIRE
	CS	CORD SET		NFDS	NON-FUSED DISCONNECT SWITCH		WH	WEATHER HEAD
	CU	COEFFICIENT OF UTILIZATION		NL	NIGHT LIGHT		WM	WATT METER
	DEB	DIRECT EARTH BURIED		NTS	NOT TO SCALE		WP	WEATHERPROOF
	EC	EMPTY OR EMBEDDED CONDUIT		OC	ON CENTER		W/	WITH
	EF	EXHAUST FAN		OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED		XFMR	TRANSFORMER
	EG	EQUIPMENT GROUND		OH	OVERHEAD			
	EL	ELEVATION		OHP	OVERHEAD PRIMARY			
	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			
				RVAT	REDUCED VOLTAGE AUTO-TRANSFORMER STARTER			

2 SETS [(3#B + 1#BN + 1#(DEG) 1" GRS)]

CONDUIT TYPE (SEE ABBREVIATIONS) REFER TO SPECIFICATIONS IF NOT SHOWN

CONDUIT SIZE

GROUNDING (GROUND) CONDUCTOR, NUMBER AND SIZE

GROUND (NEUTRAL) CONDUCTOR, NUMBER AND SIZE

PHASE (HOT) CONDUCTOR, NUMBER AND SIZE

NUMBER OF SETS

GENERAL NOTES:

1. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET BUT NOT BE UTILIZED ON THE PROJECT.

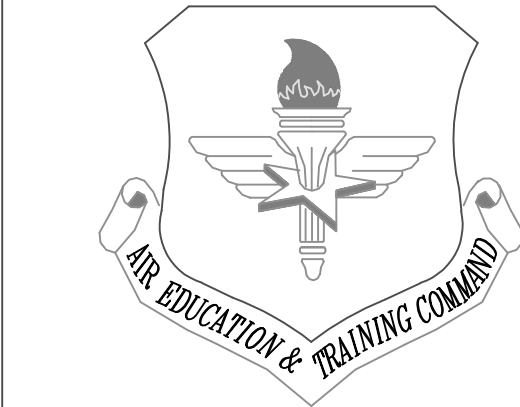
2. LIGHTING LEGEND SHOWS EXAMPLE IDENTIFIERS, REFER TO LIGHT FIXTURE SCHEDULE FOR SPECIFIC REQUIREMENTS.

EQUIPMENT LINE TYPES

PROPOSED OR NEW EQUIPMENT

EXISTING EQUIPMENT

EQUIPMENT PACKAGE



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SCALE AS SHOWN			
		12 OF 39	