

SYMBOL	DESCRIPTION	NOTES
	JUNCTION AND PULL BOXES - SECONDARY LIGHT	AND POWER WIRING
JH	PULL BOX OR JUNCTION BOXOUTLET BOX TYPE WALL MOUNTED WITH FINAL CONNECTION TO EQUIPMENT	
J	PULL BOX OR JUNCTION BOX OUTLET BOX TYPE MOUNTED AT CEILING WITH FINAL CONNECTION TO EQUIPMENT	
	PULL BOX OR JUNCTIONBOX LARGE CUSTOM FABRICATED TYPE	
г— ІТ— ІТ	CONDUITS ROUTING UNDERGROUND FOR IT SERVICE	
— E — E	CONDUITS ROUTING UNDERGROUND FOR ELECTRICAL	
c—c—c	CONDUITS ROUTING UNDERGROUND FOR COMMUNICATION WIRING FOR EV CHARGERS (SEE DWG. E-100)	
	BRANCH CIRCUITS FOR SITE LIGHTING RUN UNDERGROUND ONLY (SEE DWG. E-052)	

SYMBOL	DESCRIPTION	NOTES
	ONE LINE RISER DIAGRAM	
	PULLBOX	REFER TO DRAWING E-700 FOR ONE LINE RISER DIAGRAM
K1 K2	KIRK KEY	
N/C	NORMALLY CLOSED	
N/O	NORMALLY OPEN	
_ _	LOAD INTERRUPTER SWITCHES WITH KIRK KEY INTERLOCK SYSTEM	
	FUSE	
×	TRANSFORMER	
M	MAIN SERVICE METER	
	CIRCUIT BREAKER	
- <u>-</u>	GROUND	
	UNFUSED DISCONNECT SWITCH	
	GENERATOR	
5	CURRENT TRANSFORMER	
M	ENERGY METER	

	DESCRIPTION	NOTES
	WIRING DEVICES	
Φ	20A, 125 V DUPLEX RECEPTACLE	PROVIDE GFCI OUTLETS IN BATHROOMS, SERVING DRINKING FOUNTAINS, JANITORS CLOSETS, MOP ROOM, PANTRIES AND WITHIN 6'-0" OF ANY SINK. 'GFI' INDICATES GROUND FAULT INTERRUPT
Ф +42"	MOUNTING HEIGHT WHEN NOT TYPICAL STANDARD DEVICE MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
#	20A, 125 V DOUBLE DUPLEX RECEPTACLE	
B	"NEMA L6-30R" 30A, 250V, 1PH SPECIAL PURPOSE RECEPTACLE 30A 250V	
A	"NEMA L5-20R" 20A, 1PH SPECIAL PURPOSE RECEPTACLE. 20A 125V	
	FLUSH MOUNTED SHALLOW FLOOR BOX AS MANUFACTURED BY LEGRAND WIREMOLD STL SHL FLR BX 1-GANG OMBX, # 880M1, COORDINATE WITH AND ARCHITECT AND AV CONSULTANT.	FOR DATA/COMUNICATION DEVICES MOUNTED WITHIN FLOOR BOX, REFER TO IT DRAWINGS
	FLUSH MOUNTED SHALLOW FLOOR BOX AS MANUFACTURED BY LEGRAND WIREMOLD STL SHL FLR BX 2-GANG OMBX, # 880M2 FOR 2 GANG BOX	
	FLUSH MOUNTED SHALLOW FLOOR BOX AS MANUFACTURED BY LEGRAND WIREMOLD STL SHL FLR BX 3-GANG OMBX, # 880M3 FOR 3 GANG BOX	

SYMBOL	DESCRIPTION	NOTES
D \$	PJ2-2B-GBL-L01 434 MHZ PICO WIRELESS 2 BUTTON CONTROL	a,b,c,d DENOTES
D2 \$	PJ2-4B-GBL-L31 434 MHZ PICO WIRELESS 4 BUTTON CONTROL	CONTROL ZONES ALL SENSORS SHALL AUTOMATICALLY TURN OFF
GW C	PREMIUM VIVE HUB HJS-2-FM	LIGHTS WITHIN 20 MINUTES AND MANUALLY TURN ON THE LIGHTS.
OS C	LRF2-OCR2B-P-WH OCCUPANCY/ VACANCY SENSOR	DENOTES AUTOMATIC ON SENOR
VS C	LRF2-VCR2B-P-WH VACANCY SENSOR	
PC C	LRF2-DCRB-WH 434MHZ WIRELESS DAYLIGHT SENSOR	REFER TO DRAWING E-503 FOR LIGHTING CONTROLS
PP C	POWPAK OR MAESTRO FOR WIRELESS LOAD CONTROL	WIRING DIAGRAM, NOTES, AND DETAILS
VS W	MRF2S-6ANS-WH MAESTRO WIRELESS WALL MOUNTED VACANCY SENSOR SWITCH	

SYMBOL	DESCRIPTION	NOTES	
	LIGHTING FIXTURES		
 	CEILING MOUNTED LIGHTING FIXTURES	UPPER CASE LETTERS INSCRIBED IN SYMBOL INDICATE FIXTURE TYPE REFERENCES TO FIXTURE LIST SUBSCRIPT LOWER CASE LETTERS INDICATE SWITCH CONTROL ASSOCIATIONS (OR CONTROL ZONE	
어	WALL MOUNTED LIGHTING FIXTURES	DESIGNATION WHERE APPLICABLE, SEE BELOW)	
J	WALL MOUNTED SCONCE LIGHTING FIXTURES	INDICATION THUS: LPH-17 DENOTES CIRCUIT NUMBER, * WITH * SIGNIFYING	
SL1	SITE LIGHTING (REFER TO DRAWING E-051 FOR SITE PLAN AND E-601 FOR LIGHTING SCHEDULE)	RELAY CONTROLLED LIGHTING FIXTURE O LPH-17 * LPH-17 *	
	EXIT SIGNS		
\otimes	WALL MOUNTED LED EXIT SIGN WITH EMERGENCY 90 MINS BATTERY PACK EXTRONIX MODEL# 903 OR APPROVED EQUAL	APPLICATION OF SHADED QUADRANTS AND ARROWS THUS:	
\otimes	PENDANT CEILING MOUNTED LED EXIT SIGN WITH "EM" 90 MINS BATTERY PACK EXTRONIX MODEL# 903 OR APPROVED EQUAL	INDICATE LETTERED FACE AND DIRECTIONAL ARROWS AT SYMBOLS FOR SIGNS FOR WHICH SELECTION OF SUCH FEATURES IS REQUIRED. FINAL LOCATION AND MOUNTING TYPE SUBJECT TO ARCHITECT APPROVAL	

SYMBOL	DESCRIPTION	NOTES
	SECONDARY INDIVIDUALLY MOUNTED OVERCURRENT AND/OR SWITCHING DEVICE TAG SYMBOL INDIVIDUALLY MOUNTED OVERCURRENT AND SWITCHING DEVICES ARE FOR SURFACE MOUNTING UNLESS THE TAG SYMBOL CARRIES AN EXTERNAL SUBSCRIPT "f" INDICATING FLUSH MOUNTING.	INFORMATION IS LISTED IN THE TAG SYMBOL THUS: "600" OR "250" INDICATES VOLT- AGE RANGE AT WHICH DEVICE IS TO OPERATE. "2" POLE "3 POLE WEUTRAL, "ETC. "U" INDICATES THAT NO OVERCURRENT PROTECTION IS REQUIRED - NUMBER INDICATES SIZE OF OVERCURRENT PROTECTION REQUIRES
	INDEXING SYMBOL	HEXAGONAL SYMBOLS CONTAINING UPPER CASE LETTERS WITH OR WITHOUT ARABIC NUMERALS INDICATE REFERENCE TO A LEGEND OR INDEX OF SPECIAL EQUIPMENT AS IDENTIFIED ON THE EQUIPMENT LEGEND ON DRAWIN E-603. HEXAGONAL SYMBOLS CONTAINING ARABIC NUMERALS ONLY INDICATE REFERENCE TO AN EXPLANATION OF ELECTRIC WORK REQUIREMENTS.

SYMBOL	DESCRIPTION	NOTES
	LIGHTNING PROTECTION	
Ť	LIGHTNING PROTECTION GROUND ROD (TYP.), SEE DETAIL 5 IN DRAWING E-501	FOR LIGHTNING PROTECTION FLOOR PLAN REFER TO DRAWING E-121.
Δ	THRU-ROOF ROD AND COPPER CONDUCTOR IN 1" PVC CONDUIT CONCEALED WITHIN BUILDING CONSTRUCTION TO MAIN ROOF (TYP.) SEE DETAIL 4 IN DRAWING E-501	FOR LIGHTNING PROTECTION DETAILS REFER TO DRAWING E-501
•A	12" AIR TERMINAL SEE DETAIL 1 IN DRAWING E-501	
В	12" AIR TERMINAL AT SCREEN WALL (TYP.) SEE DETAIL 2 IN DRAWING E-501	
O C	12" AIR TERMINAL ATOP GENERATOR (TYP.) SEE DETAIL 3 IN DRAWING E-501	
	LIGHTNING PROTECTION CABLE FASTENED TO SCREEN WALL EVERY 36" MAX. (TYP.)	
	COPPER LIGHTNING PROTECTION DOWN CONDUCTOR	

GENERAL SHEET NOTES:

- 1. FOR PANEL SCHEDULES REFER TO DRAWING E-600 AND E-601.
- 2. FOR LIGHTING FIXTURE SCHEDULES REFER TO DRAWING E-601.
- 3. FOR LIGHTING CONTROL ZONE SCHEDULES REFER TO DRAWING E-602.
- 4. FOR LEGEND OF EQUIPMENT SCHEDULE REFER TO DRAWING E-110.
- 5. FOR ONE-LINE DIAGRAM REFER TO DRAWING E-700.

ELECTRICAL ABBREVIATIONS

THIS LIST OF ABBREVIATIONS DOES NOT APPLY TO ANY LETTERS USED IN CONJUCTION WITH SYMBOLS

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A	AMPS	GA	GAUGE	SP	SPARE
AC	ALTERNATING CURRENT	GALV	GALVANIZED	SPECS	SPECIFICATIONS
ADJ	ADJACENT	GD	GROUND	SPKLR	SPRINKLER
AFD	AUTOMATIC FIRE DETECTION	H	HERMETIC	SPKR	SPEAKER
AFF	ABOVE FINISHED FLOOR	HC	HUNG CEILING	SQ	SQUARE
AFG	ABOVE FINISHED GRADE	HGT	HEIGHT	STD	STANDARD
AIR COND	AIR CONDITIONING	HOR	HORIZONTAL	SURF	SURFACE
AP	APPLIANCE PANEL	HP	HORSEPOWER	sw	SWITCH
ARCH	ARCHITECTURAL	HT	HIGH TENSION	SWBD	SWITCHBOARD
ASYM	ASYMMETRICAL	HTG	HEATING	SYM	SYMETRICAL
AUTO	AUTOMATIC	HVAC	HEATING VENTILATING	TEL	TELEPHONE
AVG	AVERAGE	IIIVAO	AND AIRCONDITIONG	TELCO	TELEPHONE CO.
BL	BLANK	IN	INCHES	TV	TELEVISION
BLDG	BUILDING	INCAN	INCANDESCENT	TYP	TYPICAL
C C	CONDUIT	INT	INTERCOM	UFD	UNDER FLOOR DUCT
CAB	CAB	JB	JUNCTION BOX	V	VOLTS
CAB CAT	CATALOGUE	KVA	KILOVOLT AMPERES	VENT	VENTILATING
					VERTICAL
CKT CI	CIRCUIT	KW	KILOWATT HOURS	VERT	1
CL C	CLOCK	KWH	KILOWATT HOURS	VP	VAPORPROOF
CLG	CEILING	LP	LIGHTING PANEL	W	WATTS
CLOS	CLOSET	LS	LOUDSPEAKER	WE	WEST
CM	CIRCULAR MIL	LTO	LOW TENSION	WGD	WITH GUARD
COL	COLUMN	LTG	LIGHTING	WP	WEATHERPROOF
CONC	CONCRETE	M	MAIN	WR	WOUND ROTOR
CONST	CONSTRUCTION	MA	MILLIAMPS	WT	WIRING TROUGH
CONT	CONTINUOUS	MACH	MACHINE	XFMR	TRANSFORMER
CONV	CONVENIENCE	MCC	MOTOR CONTROL CENTER	YD	YARD
CS	CABLE SUPPORT	MCM	THOUSE CIRCULAR MILS	# (UNRELAT ED TO WORDS	WIRE GAUGE NUMBE
CU	CUBIC	MECH	MECHANICAL	PH	PHASE
DC	DIRECT CURRENT	MIC	MICROPHONE	F@	FUSED AT
DIA	DIAMETER	MISC	MISCELLANEOUS	С	CENTER LINE
DN	DOWN	MTD	MOUNTED		
DP	DISTRIBUTION PANEL	MTR	MOTOR		
DTL	DETAIL	N	NEUTRAL	C/B	CIRCUIT BREAKER
DWG	DRAWING	NEC	NATIONAL ELECTRICAL CODE	CONV/O	CONVENIENCE OUTLET
EA	EAST	NEMA	NATIONAL ELEC MANUFACTURERS ASSOCIATION	C/T	CURRENT TRANSFORMER
EC	EMPTY CONDUIT	NL	ON NIGHT LIGHTING CIRCUIT	P/T	POTENTIAL TRANSFORMER
 EL	ELEVATION	OL	OVERLOAD	O/C	OVERCURRENT
ELEC	ELECTRICAL	P	POLES	C.C	CENTER TO CENTER
ELEV	ELEVATOR	PB	PULLBOX	N/O	NORMALLY OPEN
EM	ON EMERGENCY CIRCUIT	PC	PULL CHAIN	N/C	NORMALLY CLOSED
ENTR	ENTRANCE	PF	POWER FACTOR	1/C, 2/C	ONCE CONDUCTOR
EP	EXPLOSION PROOF	PG	PAGING	3/C	TWO CONDUCTORS, ETC.
EQ	EQUAL	PH	PHASE	†	
EQPMT	EQUIPMENT	PLB	PLUMBING	+	1
	EXISTING	PNL	PANEL	+	+
FXICT	LAIGHING		POWER PANEL	+	+
	ELOOP		ILOMEU LAINEL	1	
F	FLOOR	PP	DOWED		
F FA	FIRE ALARM	PWR	POWER CONTROL		
F FA FDR	FIRE ALARM FEEDER	PWR RC	REMOTE CONTROL		
FA FDR FIN	FIRE ALARM FEEDER FINISH	PWR RC REC	REMOTE CONTROL RECEPTACLE		
F FA FDR FIN FIXT	FIRE ALARM FEEDER FINISH FIXTURE	PWR RC REC REQ	REMOTE CONTROL RECEPTACLE REQUIRED		
F FA FDR FIN FIXT	FIRE ALARM FEEDER FINISH FIXTURE FLUSH	PWR RC REC REQ RM	REMOTE CONTROL RECEPTACLE REQUIRED ROOM		
FA FDR FIN FIXT FL	FIRE ALARM FEEDER FINISH FIXTURE FLUSH FLUORESCENT	PWR RC REC REQ RM RMS	REMOTE CONTROL RECEPTACLE REQUIRED ROOM ROOT MEAN SQUARE		
FA FDR FIN FIXT FL FLUOR FSTP	FIRE ALARM FEEDER FINISH FIXTURE FLUSH FLUORESCENT FIRE-STANDPIPE	PWR RC REC REQ RM RMS	REMOTE CONTROL RECEPTACLE REQUIRED ROOM ROOT MEAN SQUARE SOUND		
EXIST F FA FDR FIN FIXT FL FLUOR FSTP FT	FIRE ALARM FEEDER FINISH FIXTURE FLUSH FLUORESCENT	PWR RC REC REQ RM RMS	REMOTE CONTROL RECEPTACLE REQUIRED ROOM ROOT MEAN SQUARE		

ELECTRICAL DRAWING LIST

SHEET NUMBER	SHEET NAME
E-001	ELECTRICAL SYMBOLS AND DRAWING LIST
E-051	ELECTRICAL SITE PLAN
E-052	ELECTRICAL LIGHTING SITE PLAN
E-100	ELECTRICAL POWER PLAN - 1ST FLOOR
E-110	ELECTRICAL EQUIPMENT POWER PLAN - 1ST FLOOR
E-111	ELECTRICAL EQUIPMENT POWER PLAN - ROOF
E-121	ELECTRICAL LIGHTNING PROTECTION PLAN
E-150	ELECTRICAL LIGHTING PLAN - 1ST FLOOR
E-400	ELECTRICAL ENLARGED VIEWS - SHEET 1
E-500	ELECTRICAL DETAIL SHEET 1
E-501	ELECTRICAL DETAIL SHEET 2
E-502	ELECTRICAL DETAIL SHEET 3
E-503	ELECTRICAL DETAIL SHEET 4
E-504	ELECTRICAL DETAIL SHEET 5
E-600	ELECTRICAL SCHEDULES SHEET 1
E-601	ELECTRICAL SCHEDULES SHEET 2
E-602	ELECTRICAL SCHEDULES SHEET 3
E-603	ELECTRICAL SCHEDULES SHEET 4
E-700	ELECTRICAL RISER DIAGRAM

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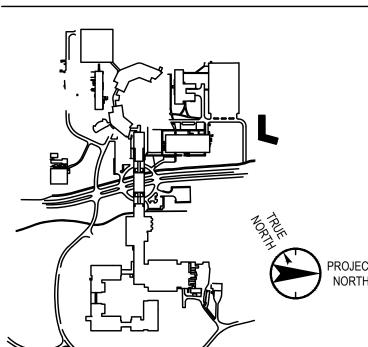
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Key Plan



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Discipline: Electrical

Drawn By: Al ELECTRICAL SYMBOLS AND DRAWING LIST

Scale: NTS

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE

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