

# ELECTRICAL SYMBOL LIST

## LIGHTING SYMBOLS

- FLOOD LIGHT
  - POST TOP AREA LUMINAIRE
  - AREA LUMINAIRE, POLE MOUNT
- ## SWITCH SYMBOLS
- SWITCH, SPST +48" A.F.F.
  - SWITCH, 3-WAY +48" A.F.F.
  - SWITCH, MOMENTARY +48" A.F.F.
  - SWITCH, DIMMER +48" A.F.F.
  - SWITCH, TIMED +48" A.F.F.
  - PHOTOCELL CONTROL
  - OCCUPANCY SENSOR CONTROL

## SIGNAL SYMBOLS

- TELEPHONE OUTLET +18" A.F.F.
- DATA/TELEPHONE OUTLET +18" A.F.F.
- CCTV CAMERA
- INTRUSION SENSOR

## FIRE ALARM SYMBOLS

- FIRE ALARM MANUAL PULL STATION, +48" A.F.F.
- FIRE ALARM BELL, +80" A.F.F.
- FIRE ALARM HORN/STROBE, +80" A.F.F.
- FIRE ALARM STROBE, +80" A.F.F.

## NOTATIONS

- DRAWING NOTE
- DETAIL REFERENCE: TOP=DETAIL NO. BOTTOM=SHEET NO.
- MECHANICAL EQUIPMENT MARK NO. (SEE EQUIPMENT SCHEDULE)
- EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)

## ABBREVIATIONS

- 'A' LIGHT FIXTURE TYPE (SEE FIXTURE LIST)
- A.F.F. ABOVE FINISHED FLOOR
- C CONDUIT
- CATV CABLE TELEVISION
- C.T. CURRENT TRANSFORMER
- (E) EXISTING
- FACP FIRE ALARM CONTROL PANEL
- G.F.I. GROUND FAULT INTERRUPTER
- GND GROUND
- HP HORSEPOWER
- I.G. ISOLATED GROUND
- JB JUNCTION BOX
- MCB MAIN CIRCUIT BREAKER
- MLO MAIN LUGS ONLY
- N.I.C. NOT IN CONTRACT
- N.L. NIGHT LIGHT
- P POLE
- PH PHASE
- T.V.S.S. TRANSIENT VOLTAGE SURGE SUPPRESSOR
- U.G. UNDERGROUND
- U.O.N. UNLESS OTHERWISE NOTED
- W WIRE
- W.P. WEATHERPROOF

## POWER SYMBOLS

- RECEPTACLE, DUPLEX +18" A.F.F.
- RECEPTACLE, DUPLEX +6" ABV COUNTER
- RECEPTACLE, DUPLEX, PEDESTAL MOUNT
- RECEPTACLE, SPECIAL
- JUNCTION BOX
- TRANSFORMER
- DISCONNECT, NON-FUSED
- DISCONNECT, FUSED
- ELECTRICAL CONNECTION, SINGLE MOTOR
- ELECTRICAL DISTRIBUTION PANEL, SURFACE

## WIRING SYMBOLS

- PANEL & CIRCUIT NUMBER
- HOMERUN TO PANEL
- CONDUCTOR SIZE (IF OTHER THAN #12)
- PHASE CONDUCTOR
- NEUTRAL CONDUCTOR
- GROUND CONDUCTOR
- CONCEALED CONDUIT
- CONDUIT SIZE
- CONDUIT (UNDER SLAB OR FLOOR)
- FLEXIBLE CONNECTION
- CONDUIT, STUBBED & CAPPED

## ONE-LINE DIAGRAM SYMBOLS

- ELECTRICAL DISTRIBUTION PANELBOARD (MLO)
- ELECTRICAL DISTRIBUTION PANELBOARD (MCB)
- SUB-FEED CIRCUIT BREAKER
- CIRCUIT BREAKER (TRIP RATING & POLES AS INDICATED ON PLAN)
- GROUND GROUND SYSTEM (SIZE AS INDICATED ON PLAN)
- UTILITY METER & METER BASE
- UTILITY METER CURRENT TRANSFORMER
- FEEDER NO. (SEE FEEDER SCHEDULE)
- UTILITY CURRENT TRANSFORMER W/REMOTE METER
- RV TYPE POWER CONNECTION WITH UTILITY METER, BREAKERS & RECEPTABLES, SURFACE MOUNT NEMA 3R CABINET.

NOTE: SOME OF THE SYMBOLS AND ABBREVIATIONS ON THIS LIST MAY NOT APPLY TO THIS PROJECT.

## LIGHTING FIXTURE LIST

TYPE	LAMP	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	OPTIONS
'A1' 'A1E'	LED 3000LM 3500K	LITHONIA (OR APPROVED OTHER)	CLX SERIES	TYPE :4FT LINEAR STRIP MOUNTING :SURFACE HOUSING :STEEL LENS/REFL:ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	FIXTURE TYPE BIE W/ BATTERY BACKUP
'B1' 'B1E'	LED 1000LM 3500K	LIGHTOLIER (OR APPROVED OTHER)	LR4 SERIES	TYPE :4" DIA DOWNLIGHT MOUNTING :RECESSED HOUSING :STEEL LENS/REFL:ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	FIXTURE TYPE BIE W/ BATTERY BACKUP TRIM FINISH PER ARCHITECT
'B2'	LED 1195LM 3500K	NEO-RAY (OR APPROVED OTHER)	S1240R SERIES	TYPE :2FT LINEAR STRIP MOUNTING :RECESSED HOUSING :STEEL LENS/REFL:FLAT ACRYLIC VOLTAGE :MVOLT BALLAST :LED DRIVER	TRIM FINISH PER ARCHITECT
'EM'	LED	SURE-LITES (OR APPROVED OTHER)	SELW29 SERIES	TYPE :EMERGENCY LIGHT MOUNTING :SURFACE (+8"-0" MIN.) HOUSING :THERMOPLASTIC LENS/REFL : VOLTAGE :MVOLT BALLAST :NICKEL CADMIUM BATTERY	FINISH PER ARCHITECT
'P1'	LED 2000LM 4000K	BARN LIGHT ELECT. CO. (OR APPROVED OTHER)	BLE-G-WHS12 SERIES	TYPE :12" DIA. BARN LIGHT MOUNTING :SURFACE (+8"-0" MIN.) HOUSING :STEEL LENS/REFL:FLAT LENS W/ WIRE GUARD VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT MOUNT WITH GOOSE NECK ARM
'P2'	LED 4000LM 4000K	BARN LIGHT ELECT. CO. (OR APPROVED OTHER)	BLE-G-WHS20 SERIES	TYPE :20" DIA. BARN LIGHT MOUNTING :SURFACE (VERIFY HEIGHT) HOUSING :STEEL LENS/REFL:FLAT LENS W/ WIRE GUARD VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT MOUNT WITH GOOSE NECK ARM
'P3'	LED 3000LM 4000K	BARN LIGHT ELECT. CO. (OR APPROVED OTHER)	BLE-S-WHS16 SERIES	TYPE :16" DIA. BARN LIGHT MOUNTING :STEM HUNG (VERIFY HEIGHT) HOUSING :STEEL LENS/REFL:FLAT LENS W/ WIRE GUARD VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT VERIFY STEM LENGTH W/ ARCHITECT
'S1'	LED 8173LM 5000K	COOPER LIGHTING (OR APPROVED OTHER)	GLEON SA1A750UT4FDB SERIES	TYPE :AREA LIGHT (TWIN HEAD) MOUNTING :POLE MOUNT (+20'-0") HOUSING :STEEL LENS/REFL:FLAT LENS VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT PROVIDE W/ 8 INCH SIDE ARM TYPE IV DISTRIBUTION
'S1'	LED 8173LM 5000K	COOPER LIGHTING (OR APPROVED OTHER)	GLEON SA1A750UT4FDB SERIES	TYPE :AREA LIGHT (TWIN HEAD) MOUNTING :POLE MOUNT (+20'-0") HOUSING :STEEL LENS/REFL:FLAT LENS VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT PROVIDE W/ 8 INCH SIDE ARM TYPE IV DISTRIBUTION
'S2'	LED 8173LM 5000K	COOPER LIGHTING (OR APPROVED OTHER)	GLEON SA1B750UT4FDB SERIES	TYPE :AREA LIGHT (TWIN HEAD) MOUNTING :POLE MOUNT (+20'-0") HOUSING :STEEL LENS/REFL:FLAT LENS VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT PROVIDE W/ 8 INCH SIDE ARM TYPE IV DISTRIBUTION
'S3'	LED 8173LM 5000K	COOPER LIGHTING (OR APPROVED OTHER)	GLEON SA1A750UT4FDB SERIES	TYPE :AREA LIGHT (TWIN HEAD) MOUNTING :POLE MOUNT (+20'-0") HOUSING :STEEL LENS/REFL:FLAT LENS VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT PROVIDE W/ 8 INCH SIDE ARM TYPE IV DISTRIBUTION PROVIDE W/2FT POLE BASE
'S4'	LED 8173LM 5000K	COOPER LIGHTING (OR APPROVED OTHER)	GLEON SA1A750USLRDB SERIES	TYPE :AREA LIGHT (TWIN HEAD) MOUNTING :POLE MOUNT (+20'-0") HOUSING :STEEL LENS/REFL:FLAT LENS VOLTAGE :MVOLT BALLAST :LED DRIVER	FINISH PER ARCHITECT PROVIDE W/ 8 INCH SIDE ARM 90 DEGREE SPILL ELIMINATOR
'X1'	LED (GREEN)	SURE-LITES (OR APPROVED OTHER)	APXH7 SERIES	TYPE :COMBO EXIT LIGHT MOUNTING :UNIVERSAL HOUSING :THERMOPLASTIC LENS/REFL:FLAT LENS VOLTAGE :MVOLT BALLAST :NICKEL CADMIUM	FINISH PER ARCHITECT
'X2'	LED (GREEN)	SURE-LITES (OR APPROVED OTHER)	LPXW SERIES	TYPE :COMBO EXIT LIGHT MOUNTING :UNIVERSAL HOUSING :THERMOPLASTIC LENS/REFL:FLAT LENS VOLTAGE :MVOLT BALLAST :NICKEL CADMIUM	FINISH PER ARCHITECT WET LOCATION LISTED

## GENERAL NOTES:

- A. ALL LIGHT FIXTURES SHALL HAVE ENERGY EFFICIENT LAMPING AND BALLASTS.
- B. LIGHT FIXTURES FOR LIVING UNITS SHALL BE "ENERGY STAR" RATED.
- C. EXTERIOR LIGHT FIXTURES SHALL BE "NIGHT SKY" FRIENDLY.
- D. VERIFY ALL FIXTURE FINISHES WITH ARCHITECT PRIOR TO BID.
- E. VERIFY ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO BID.
- F. VERIFY ALL FIXTURE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH IN.
- G. ALL INTERIOR LIGHTING SHALL BE 3500 KELVIN AND EXTERIOR FIXTURES SHALL BE 4000 KELVIN UNLESS OTHERWISE NOTED.
- H. ALL PRODUCT SUBSTITUTIONS AND VALUE ENGINEERING SHALL BE SUBMITTED DURING BID PHASE, SHALL MEET DESIGN INTENT AND IS SUBJECT TO OWNER APPROVAL.
- I. IF NECESSARY, CONTRACTOR SHALL PROVIDE IC RATED BOXES FOR ANY APPROVED, SUBSTITUTED FIXTURES NOT MEETING INSULATED CEILING REQUIREMENTS.
- K. CONTRACTOR SHALL CONSULT MANUFACTURER INSTALLATION INSTRUCTIONS FOR ALL FIXTURES AND DEVICES AND INSTALL AS INSTRUCTED. THIS INCLUDES ALL ELECTRICAL COMPONENTS REQUIRED FOR COMPLETE INSTALLATION. WORK SHALL BE PERFORMED SUCH THAT MANUFACTURER WARRANTY IS NOT VOIDED.
- L. BUILDING MOUNTED EXTERIOR WALL LIGHTS TO BE CONTROLLED VIA ROOF MOUNTED PHOTOCELL.
- M. POLE MOUNTED AREA LIGHTS SHALL BE PROVIDED WITH INTEGRAL PHOTOCELLS FOR DUSK-TILL-DAWN OPERATION AND BI-LEVEL MOTION SENSORS TO REDUCE LIGHT OUTPUT BY 50% DURING PERIODS OF INACTIVITY.
- N. AREA LIGHTS SHALL BE MOUNTED ON 20'-0" POLES, COOPER SSSM20F41 OR APPROVED OTHER, WITH 8 INCH EXTENSION ARMS. CONSULT ARCHITECT FOR FINISHES.

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ELECTRICAL  
LEGEND &  
SCHEDULES  
REV. 01.11.2022  
REVIEW COMMENTS



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Drawn by: DMT

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