

GENERAL NOTES

- NOT ALL SYMBOLS INDICATED IN THE LEGEND APPEAR ON THE DRAWINGS. COORDINATE WORK ACCORDINGLY. COMPLY WITH SPECIFICATIONS AND NOTES BELOW AS APPLICABLE.
- ALL RECEPTACLES SHALL BE INSTALLED 18" AFF TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
- MOUNT PANELS IN RESIDENTIAL SPACES SO NO CIRCUIT BREAKER HANDLE IS HIGHER THAN 44" AFF.
- ALL WIRING SHALL BE COPPER UNLESS DESIGNATED AS "AL," UNLESS OTHERWISE NOTED. ALL WIRING SHALL BE #12 AWG AND #12 EQUIPMENT GROUNDING CONDUCTOR. HOMERUNS FED FROM A 20A-1P, 120V CIRCUIT IN EXCESS OF 70' SHALL BE #10 AWG.
- CONNECT BATTERY BACKED EMERGENCY AND EXIT LIGHTING TO NEAREST LIGHTING CIRCUIT AHEAD OF ANY SWITCHING. CONNECT REMOTE HEADS WITH #10 AWG COPPER CONDUCTORS. AC EXIT FIXTURES SHALL BE CONNECTED TO NEAREST EMERGENCY CIRCUIT OR AS INDICATED.
- TEST ALL EMERGENCY LIGHTING UNITS FOR PROPER OPERATION OF LAMPS AND BATTERIES.
- SEE MECHANICAL PLAN FOR HVAC UNITS, PUMPS AND FANS CONTROLLED BY THERMOSTATS (PROVIDED BY ATC CONTRACTOR).
- FUSES AND OVERLOAD UNITS FOR MOTORS SHALL BE SIZED BASED ON ACTUAL MOTOR NAMEPLATE DATA AND IN ACCORDANCE WITH NEC. CIRCUIT BREAKERS FOR MOTORS ARE SUPPLIED AT MAX VALUE PER NEC (2.5 x FLA). SIZE IN THE FIELD IN ACCORDANCE WITH MFR RECOMMENDATION.
- ALL WORK SHALL COMPLY WITH NFPA70, NFPA72, NFPA01 & ALL FEDERAL, STATE & LOCAL REGULATIONS.
- ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN FIRE RATING FOR THE SEPARATION.
- ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
- AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUITS. SIZE IN ACCORDANCE WITH NFPA 70 ARTICLE 250.
- PROVIDE TWO BALLASTS FOR EACH FIXTURE INDICATED AS REQUIRING DUAL LEVEL SWITCHING. ONE BALLAST TO CONTROL OUTER LAMPS AND THE SECOND BALLAST TO CONTROL INNER LAMPS.
- COORDINATE INSTALLATION OF VOICE/DATA OUTLETS WITH OWNER, MIS OR COMMUNICATIONS CONTRACTOR.
- LOCATE DISCONNECTS AT EQUIPMENT AS REQUIRED BY MANUFACTURER. LOCATIONS ON DRAWINGS ARE APPROXIMATE.
- PROVIDE RISER OR PLENUM RATED CABLES ABOVE SUSPENDED CEILINGS.
- THE CONTRACTOR SHALL SET ALL ELECTRONIC BREAKERS TO SPECIFIED TRIP SETTINGS BEFORE ENERGIZING EQUIPMENT.
- PROVIDE EXPANSION FITTINGS FOR ALL UNDERGROUND RACEWAYS ENTERING ENCLOSURES ATTACHED TO FIXED STRUCTURES.
- OUTDOOR RECEPTACLE COVERS SHALL COMPLY WITH NFPA 70 - ARTICLE 406.9.
- ALL CONDUCTOR INSULATION FOR BUILDING WIRE SHALL BE THWN/THHN UNLESS NOTED OTHERWISE.
- PROVIDE LABEL ON SERVICE EQUIPMENT INDICATING AVAILABLE SHORT CIRCUIT CURRENT OBTAIN VALUES FROM ENGINEER.
- PROVIDE ARC FAULT LABELS PER NFPA 70-ARTICLE 110.24
- IF BUILDING REQUIRES TWO SERVICE ENTRANCES, PROVIDE SIGNS PER NFPA 70-230.
- OUTLETS INSTALLED IN FIRE RATED WALLS BACK TO BACK SHALL BE SEPARATED BY 24" MINIMUM OR BE PROTECTED WITH "PUTTY PADS" PER 2009 INTERNATIONAL BUILDING CODE SECTION 713.3.2
- PROVIDE AIR VAPOR BARRIER BOXES FOR WIRING DEVICES IN EXTERIOR WALLS AND INTERIOR SOUND CONTROL WALLS BETWEEN RESIDENT ROOMS. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE LESSCO MODEL NUMBER: VAPORBOX
- MINIMUM WIRE SIZE ON ALL BRANCH CIRCUITS SHALL BE #12.
- PROVIDE SIGN AT SERVICE ENTRANCE EQUIPMENT INDICATING TYPE AND LOCATION OF EMERGENCY GENERATOR PER NEC 700.7.

UNIT FIRE ALARM NOTES:

- SUPERVISED CENTRAL SYSTEM ACTIVATION ALL SYSTEM AUDIO/VISUAL AND VISUAL ONLY DEVICES SHALL ALARM.
 - WHEN UNIT SMOKE DETECTOR GOES INTO ALARM ALL SINGLE STATION AUDIO/VISUAL AND VISUAL ONLY DEVICES WITHIN THAT UNIT WILL ACTIVATE. THIS WILL NOT ACTIVATE THE ENTIRE BUILDING SYSTEM.
 - THE WALL MOUNTED HORN/STROBES WITHIN THE LIVING UNITS SHALL BE CONNECTED TO THE SUPERVISED CENTRAL SYSTEM.
 - INTERCONNECT ALL 120 VOLT SINGLE STATION SMOKE DETECTORS WITHIN EACH LIVING UNIT. ALL INTERCONNECTED SMOKE DETECTORS SHALL BE ON THE SAME CIRCUIT FOR PROPER OPERATION. REFER TO MANUFACTURER'S INSTALLATION MANUAL AND MOUNT DETECTORS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - CARBON MONOXIDE DETECTORS (120V) IN RESIDENCES SHALL BE INSTALLED AT LEAST 10 FEET FROM ANY HEAT SOURCE.
 - INTERCONNECT ALL 120 VOLT CARBON MONOXIDE (CO) DETECTORS WITHIN EACH LIVING UNIT. ALL INTERCONNECTED CO DETECTORS SHALL BE ON THE SAME CIRCUIT FOR PROPER OPERATION. REFER TO MANUFACTURER'S INSTALLATION MANUAL AND MOUNT DETECTORS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CO DETECTORS SHALL HAVE AN ALARM SOUND THAT IS DIFFERENT THAN THE LIVING UNIT SMOKE DETECTORS AND FIRE ALARM SYSTEM ALARMS.
- AUDIBLE ALARM DB LEVELS SHALL COMPLY WITH NFPA 72.
- A/V DEVICES IN BEDROOMS SHALL BE 75db AND 15 Cd. STROBES SHALL BE 110 Cd FOR HEARING IMPAIRED.

ABBREVIATIONS

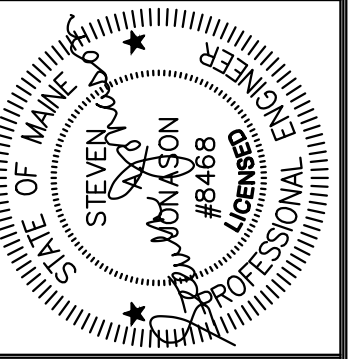
A	AMP	LP	LIGHTING PANELBOARD
AC	ALTERNATING CURRENT, ABOVE COUNTER	LTG	LIGHTING
ADA	AMERICANS WITH DISABILITIES ACT	LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND FAULT
AF	AMP FRAME		CIRCUIT BREAKER TRIP FUNCTIONS AS INDICATED
AFCI	ARC FAULT CIRCUIT INTERRUPTER	MCC	MOTOR CONTROL CENTER
AFB	ABOVE FINISHED FLOOR	MCCB	MOLDED CASE CIRCUIT BREAKER
AFG	ABOVE FINISHED GRADE	MCB	MAIN CIRCUIT BREAKER
AIC	AMPERES INTERRUPTING CAPACITY	MDP	MAIN DISTRIBUTION PANEL
AL	ALUMINUM	MH	MANHOLE
AT	AMP TRIP	MLO	MAIN LUGS ONLY
ATC	AUTOMATIC TEMPERATURE CONTROL	MTS	MANUAL TRANSFER SWITCH
ATS	AUTOMATIC TRANSFER SWITCH	NC	NORMALLY CLOSED OF NURSE CALL
AWG	AMERICAN WIRE GAUGE	NEC	NATIONAL ELECTRICAL CODE
BLDG	BUILDING	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
C	CONDUIT	NL	NIGHT LIGHT
CB	CIRCUIT BREAKER	NO	NORMALLY OPEN
CI	CAST IRON	NO.	NUMBER
CKT	CIRCUIT	OL	OVERLOAD
CL	CENTERLINE	P	POLE
CMP	CENTRAL MAINE POWER (ELECTRIC UTILITY)	PA	PUBLIC ADDRESS
CMU	CONCRETE MASONRY UNIT	PB	PUSH BUTTON
CT	CURRENT TRANSFORMER	PF	POWER FACTOR
CONC	CONCRETE	PH	PHASE
CS	CARBON STEEL	PNL	PANEL
CU	COPPER	TP1-2	TELE-POWER POLE - POLE AND CIRCUIT NUMBER AS INDICATED
CUH	CABINET UNIT HEATER	PSNH	PUBLIC SERVICE OF NEW HAMPSHIRE (ELECTRIC UTILITY)
DL	DAMP LOCATION	PT	POTENTIAL TRANSFORMER
EC	ELECTRICAL CONTRACTOR	PVC	POLYVINYL CHLORIDE
EF	EXHAUST FAN	RL	ELECTRICAL EQUIPMENT TO BE RELOCATED
ER	EXISTING REMAINS IN PLACE	RM	ELECTRICAL EQUIPMENT TO REMAIN
ERL	EXISTING RELOCATE	RTU	ROOF TOP UNIT
ERM	EXISTING REMOVE	SF	SUPPLY FAN
EUH	ELECTRIC UNIT HEATER	SLD	SINGLE LINE DIAGRAM
EWC	ELECTRICAL WATER COOLER	SM	MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD DEVICE, MOUNTED AT UNIT
FACP	FIRE ALARM CONTROL PANEL	SWBD-1	SWITCHBOARD NUMBER AS DESIGNATED
FAPS	FIRE ALARM PULL STATION	TC	TIME CLOCK
FRP	FIBER REINFORCED PLASTIC	TS	TRANSFER SWITCH
FVNR	FULL VOLTAGE, NON-REVERSING	TYP	TYPICAL
FWU	FURNISHED WITH UNIT	UG	UNDERGROUND
DC	DIRECT CURRENT	V	VOLT
GFI	GROUND FAULT INTERRUPTER	VA	VOLT-AMPERE
GND	GROUND	VFD	VARIABLE FREQUENCY DRIVE
HD	HIGH INTENSITY DISCHARGE	W	WATT
HP	HORSEPOWER	W/	WITH
HPS	HIGH PRESSURE SODIUM	WP	WEATHERPROOF
HZ	HERTZ	XFMR	TRANSFORMER
JB	JUNCTION BOX	3PH	THREE PHASE
KV	THOUSAND VOLTS	4W	FOUR WIRE
KVA	THOUSAND VOLT-AMPS	3W	THREE WIRE
KW	THOUSAND WATTS (KILOWATT)		
LED	LIGHT EMITTING DIODE		

SYMBOL LEGEND

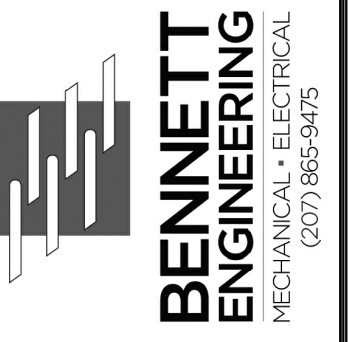
SURFACE MOUNTED POWER PANEL, SEE PANEL SCHEDULES FOR RATING
 RECESSED MOUNTED POWER PANEL, SEE PANEL SCHEDULES FOR RATING
 JUNCTION BOX, "H" DENOTES RANGE HOOD, "DS" DENOTES DISPOSAL, "DW" DENOTES DISHWASHER
 MANUAL MOTOR STARTER SWITCH WITH THERMAL OVERLOAD DEVICE MOUNTED AT UNIT
 DISCONNECT SWITCH, SIZE AND NUMBER OF POLES AS INDICATED ON DRAWING. PROVIDED BY EC UNLESS NOTED OTHERWISE. PROVIDE FUSES WHERE RECOMMENDED BY MANUFACTURER.
 MOTOR OPERATED DAMPER, PROVIDED AND INSTALLED BY MC, WIRED BY EC
 DUPLEX RECEPTACLE, 20A, 125V SPEC. GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF UNLESS NOTED OTHERWISE.
 SIMPLEX RECEPTACLE, 20A, 125V SPEC. GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF UNLESS NOTED OTHERWISE.
 QUAD RECEPTACLE, 20A, 125V SPEC. GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF UNLESS NOTED OTHERWISE.
 DUPLEX RECEPTACLE, 20A, 125V SPEC. GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT 18" AFF, BOTTOM RECEPTACLE SWITCHED.
 GROUND FAULT DUPLEX RECEPTACLE, 20A, 125V, TAMPER PROOF WITH MATCHING PLATE FURNISHED W/ OUTLET. FLUSH MOUNTED 45" AFF EXCEPT AS NOTED.
 REFRIGERATOR DUPLEX RECEPTACLE, 20A, 125V SPEC. GRADE GROUNDING TYPE, TAMPER PROOF AND MATCHING PLATE. MOUNT RECEPTACLE AT 48 INCHES ABOVE FINISHED FLOOR.
 RANGE OUTLET 50 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF
 DRYER OUTLET 30 AMP, 250 VOLT, GROUNDING TYPE FLUSH MOUNTED 18" AFF
 RACEWAY & WIRING OR MC CABLE RUN CONCEALED IN WALLS/CEILINGS
 RACEWAY & WIRING RUN EXPOSED
 RACEWAY & WIRING RUN CONCEALED UNDER FLOOR OR BURIED 30" BELOW FINISH GRADE
 HOME RUN TO PANEL, WITH PANEL AND CIRCUIT NUMBER
 CABLE TV JUNCTION BOX "CTV", SIZE AS REQUIRED BY CABLE UTILITY
 TV OUTLET LOCATION, CABLE AND JACKS BY EC
 TELEPHONE/DATA DUAL JACK, MOUNT 18" AFF, RUN TWO CAT 5E CABLES BACK TO TBB
 DATA JACK, RUN TWO CAT 5E CABLES BACK TO TBB
 TELEPHONE JACK, MOUNT 18" AFF UNLESS NOTED OTHERWISE, RUN ONE CAT 5E CABLE BACK TO TBB.
 TELEPHONE BACK BOARD
 WiFi ROUTER, OCE CAT 5E CABLE BACK TO TBB OR IT ROOM. MOUNT ABOVE CEILING, "M" DENOTES WALL MOUNTED AT 72" AFF
 PUSHBUTTON FOR ELECTRICALLY OPERATED DOOR, FURN W/ DOOR OPERATOR, WIRED BY EC
 DOOR PUSHBUTTON-DOORBELL
 DOOR ELECTRIC STRIKE
 DOOR CHIME WITH STROBE-ADA COMMUNICATIONS REQUIREMENT
 HANDICAP DOOR OPERATOR
 LIGHTING FIXTURES, CAPITAL LETTERS DENOTE TYPE PER LIGHTING FIXTURE SCHEDULE, LOWER CASE LETTERS INDICATE SWITCH CONTROL, "ab" INDICATES INBOARD LAMPS CONTROLLED BY OUTBOARD SWITCHED "a" AND "b". DIAGONAL INDICATED NIGHT LIGHT (UNSWITCHED)
 SECURITY CAMERA LOCATION, COORDINATE AND PROVIDE DUPLEX RECEPTACLE, DATA AND CONDUIT PER MANUFACTURERS RECOMMENDATIONS
 CEILING MOUNTED MOTION SENSOR (WATTSTOPPER OR EQUAL) CORRIDORS: WT-2255 SENSOR & B120E-P POWER PACK. OTHER COMMON SPACES: WT-605 SENSOR & B120E-P POWER PACK. FULL COVERAGE IN AREAS INSTALLED. DT INDICATES DUAL TECHNOLOGY. PIR INDICATED PASSIVE INFRARED TECHNOLOGY
 WALL MOUNTED MOTION SENSOR. MOUNT AT 120" AFF UNLESS OTHERWISE NOTED
 WALL MOUNTED SWITCH MOTION SENSOR. MOUNT AT 48" AFF UNLESS OTHERWISE NOTED
 SINGLE POLE SWITCH, 120V, 20A, SPEC. GRADE, GROUNDING TYPE, MOUNT 48" AFF, 3-3-WAY, 4-4-WAY, LOWER CASE LETTER INDICATES FIXTURE OR CONTROLLED LOAD.
 SWITCH WITH PILOT LIGHT, SWITCH SHALL BE PROVIDED W/ ENGRAVED NAMEPLATE IDENTIFYING USE
 REMOTE RANGE HOOD FAN SWITCH, CONNECT TO HOOD FAN THRU HOOD JUNCTION BOX.
 REMOTE RANGE HOOD LIGHT SWITCH, CONNECT TO HOOD LIGHT THRU JUNCTION BOX.
 BURNER SAFETY SWITCH, PROVIDE WITH RED PLATE, MOUNTED 72" AFF
 SINGLE POLE DIMMER SWITCH, 120V, 20A, SPEC. GRADE, GROUNDING TYPE, MOUNT 48" AFF, 3-3-WAY, 4-4-WAY, LOWER CASE LETTER INDICATES FIXTURE OR CONTROLLED LOAD.
 INTERCOM PANEL IN UNIT
 INTERCOM PANEL AT RECEPTION
 FIRE ALARM CONTROL PANEL
 FIRE ALARM REMOTE POWER SUPPLY
 FIRE ALARM ANNUNCIATOR PANEL
 FIRE ALARM AUDIO/VISUAL, MOUNT 6'-8" AFF, NUMBER DENOTES CANDELA RATING. "MH" DENOTES MINIHORN, "CL" DENOTES CEILING MOUNTED. NO DESIGNATION EQUALS 15cd
 FIRE ALARM PULL STATION, MOUNT 48" AFF
 FIRE ALARM VISUAL STROBE ONLY, FLUSH MOUNT 6'-8" AFF, NUMBER DENOTES CANDELA RATINGS. "CL" DENOTES CEILING MOUNTED
 SYSTEM CONNECTED SMOKE / CARBON MONOXIDE DETECTOR, PHOTOELECTRIC TYPE
 SYSTEM CONNECTED FIXED TEMPERATURE HEAT DETECTOR
 SMOKE DETECTOR, PHOTOELECTRIC TYPE, SYSTEM CONNECTED.
 SMOKE DETECTOR, PHOTOELECTRIC TYPE, SYSTEM CONNECTED. "ER" DENOTES ELEV. RECALL
 SYSTEM CONNECTED SMOKE DETECTOR, PHOTOELECTRIC TYPE, WITH SOUNDER BASE
 CARBON MONOXIDE DETECTOR
 DUCT SMOKE DETECTOR & TEST STATION
 FIRE ALARM KNOX BOX
 FIRE/SMOKE DAMPER, SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE ALL WIRING CONNECTIONS AND FIRE ALARM DUCT SMOKE DETECTORS, ADDRESSABLE MODULES AND PROGRAMMING.
 SPRINKLER SYSTEM FLOW SWITCH
 SPRINKLER SYSTEM TAMPER SWITCH
 MAGNETIC DOOR HOLD
 SELF CONTAINED EMERGENCY LIGHT W/2 HEADS DUAL-LITE (LED) MODEL LZ65i-03L, 65 WATTS FOR 90 MINUTES. COLOR BY ARCHITECT
 EXIT LIGHT FIXTURE, UNSWITCHED, DUAL-LITE LX-U-R-W-E OR APPROVED EQUAL

LIGHTING FIXTURE SCHEDULE

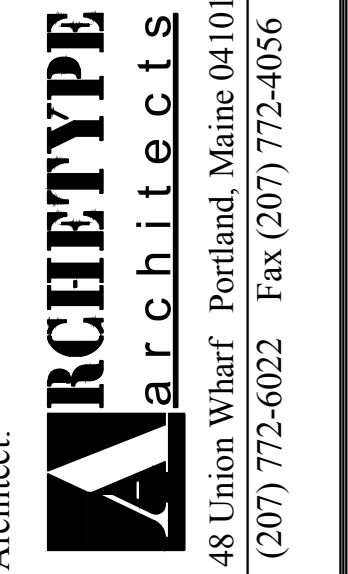
TYPE	DESCRIPTION	LAMPS (WATTAGE, COLOR TEMP, LUMENS)	REMARKS
LIGHTING FIXTURES			
C			SURFACE CEILING MOUNTED LIGHT. FIXTURE TO BE PROVIDED BY OTHERS (URBAN DWELLINGS, INTERIOR DESIGNER) AT A LATER DATE.
D	LIGHTOLIER *2090-2000C	PAR20 / 50W	3'-3/4" DIA APERTURE DOWNLIGHT WITH FLUSH BOROSILICATE GLASS LENS AND, WHITE FINISH. UL LISTED FOR WET LOCATIONS
E	TECH LIGHTING *700FMEXOD-6-40-W-B-LED927	LED / 28W / 2700K / 1635 LUMENS	6.1" H x 5.2" W x 10.4" L SURFACE MTD LED DOWNLIGHT W/40 DEG DISTRIBUTION OPTICS, MATTE WHITE FINISH AND BLACK TRIM
E1	SURELITES *APEL	LED / 0.78W	9" W x 4-1/2" H WALL OR CEILING MTD THERMOPLASTIC COMPACT LOW PROFILE EMERGENCY LIGHT W/(2) ADJUSTABLE LAMP HEADS, LOW VOLTAGE BATTERY DISCONNECT AND NICKEL CADMIUM BATTERY, PROVIDES ILLUMINATION FOR A MINIMUM OF 90 MINS UPON LOSS OF NORMAL POWER
G1	McGRAW EDISON *TT-C1-LED-E120-WQ-AP-5G-ICP-MS/DIM-L20	LED / 34W / 4000K / 3623 LUMENS	18-3/8" DIA x 4-7/16" H SURFACE CEILING MTD ARCHITECTURAL LED LOW BAY PARKING GARAGE LIGHT W/INJECTION MOLDED ACRYLIC LENS PROVIDING A WIDE DISTRIBUTION PATTERN AND AN ADDITIONAL SOLITE GLASS LENS FOR GLARE CONTROL AND VISUAL COMFORT, ELECTRONIC DIMMING DRIVER, INTEGRAL COLD WEATHER BATTERY PACK AND DIMMING OCCUPANCY SENSOR, IP66 RATED, UL LISTED FOR WET LOCATIONS
GL1	KLUS *B4574-A-GK-27-HD-XX-S	LED / 11.2W/FT / 2700K / 920 LUMENS/FT	SURFACE MOUNTED LINEAR LIGHT W/HIGH DENSITY LUMEN OUTPUT AND SQUARE FROSTED LENS. PROVIDE 'L' SHAPED CONFIGURATION AS SHOWN ON DRAWING, ONE LEG TO BE 6'-0" IN LENGTH, ONE LEG TO BE 6'-9" IN LENGTH
GL12	KLUS *B4574-A-GK-27-HD-XX-S	LED / 11.2W/FT / 2700K / 920 LUMENS/FT	SIMILAR TO TYPE GL1 EXCEPT BOTH LEGS SHALL BE 5'-0" IN LENGTH
GL	KLUS *B4574-A-GK-27-HD-XX-S	LED / 11.2W/FT / 2700K / 920 LUMENS/FT	SIMILAR TO TYPE GL1 EXCEPT ONE STRAIGHT CONTINUOUS LENGTH. PROVIDE LENGTH AS INDICATED ON DRAWING
J1	METALUX *4SWLED-LED4-20SL-LW-UNV-L840-CD1	LED / 17.6W / 4000K / 2000 LUMENS	48" L x 4-11/16" W x 4-1/2" H CEILING MTD LED LIGHT W/STEEL HOUSING, DECORATIVE END PLATES, FROSTED LENS W/WIDE DISTRIBUTION, WIRED FOR SWITCHED APPLICATIONS
J2	METALUX *4SRL-LDS-27L-LW-UNV-EL14W-L835-CD1-SVPD2	LED / 20.2W / 3500K / 2686 LUMENS	48" L x 3-1/4" W x 4-1/8" H WALL MTD LED LIGHT W/STEEL HOUSING, DECORATIVE END PLATES, FROSTED LENS W/WIDE DISTRIBUTION, 14-WATT EMERGENCY BATTERY BACKUP, INTEGRAL OCCUPANCY AND DAYLIGHT DIMMING SENSOR
K1	KLUS *B4574-A-GK-27-HD-XX-R	LED / 11.2W/FT / 2700K / 920 LUMENS/FT	PENDANT MOUNTED LINEAR LED LIGHT W/HIGH DENSITY LUMEN OUTPUT AND SQUARE FROSTED LENS. PROVIDE 'L' SHAPED CONFIGURATION AS SHOWN ON DRAWING, ONE LEG TO BE 6'-0" IN LENGTH, ONE LEG TO BE 3'-0" IN LENGTH
K2	KLUS *B4574-A-GK-27-HD-XX-R	LED / 11.2W/FT / 2700K / 920 LUMENS/FT	SIMILAR TO TYPE K1 EXCEPT ONE LEG TO BE 11'-0" IN LENGTH, ONE LEG TO BE 6'-0" IN LENGTH
K	KLUS *B4574-A-GK-27-HD-XX-R	LED / 11.2W/FT / 2700K / 920 LUMENS/FT	SIMILAR TO TYPE K1 EXCEPT ONE STRAIGHT CONTINUOUS LENGTH. PROVIDE LENGTH AS INDICATED ON DRAWING
L1	LIGHTOLIER *FSS220L835-120	LED / 17W / 3500K / 2000 LUMENS	24" L x 3" H x 2-1/2" W SURFACE MTD LED STRIP W/FROSTED ACRYLIC LENS AND WHITE FINISH. WIRING FOR SWITCHING APPLICATIONS.
L2	LIGHTOLIER *FSS430L835-120	LED / 26W / 3500K / 3000 LUMENS	SIMILAR TO TYPE L1 EXCEPT 48" LONG WITH HIGHER LUMEN OUTPUT
LP1	HOLOPHANE *GELB 050 3K AS 4 B 3 P7E (FIXTURE)	LED / 50W / 3000K	30" DIA X 23" H DECORATIVE POLE MOUNTED AREA LIGHT W/QUICK LOCK STEM MOUNTING THERMAL RESISTANT PRISMATIC GLASS LENS, BOROSILICATE GLASS BOWL DIFFUSER W/ASYMMETRIC DISTRIBUTION, INTEGRAL 500mA LED DRIVER AND EXTERNAL PHOTOCELL RECEPTACLE. UL LISTED FOR WET LOCATIONS. TO BE MOUNTED ON A 18'-4" TALL TAPERED ALUMINUM POLE WITH A 9" L MOUNTING ARM. FINISH: BLACK
	HOLOPHANE *180430505T4-1HT90H30X BLACK AB-31-4 (POLE)		
	HOLOPHANE *GWDF13 200 BK P7 (ARM FITTER)		
	HOLOPHANE *SGL 9" ARM HZ BKT 3"ID HUB (ARM)		
LB1	FORMS-SURFACES *LBLC0-604-SATIN-17WLED-SM W/J-BOLTS	LED / 17W / 3000K	6" DIA x 45" T STAINLESS STEEL LED BOLLARD W/NO SHIELDING FOR SYMMETRICAL DISTRIBUTION, WHITE FROSTED ACRYLIC LENS, INTEGRAL LED DRIVER AND J-BOLTS PROVIDED. UL LISTED FOR WET LOCATIONS. FINISH: SATIN
O1	EUREKA *4800-24-LED-48-30-120V-DV-RDP-AC-60-RC-RCC-WHM-WMH	LED / 48W / 3000K / 1226 LUMENS	24" DIA x 4" H LED RING PENDANT W/RECESSED ELECTRONIC DIMMING DRIVER, ROUND CENTERED CANOPY W/STRAIGHT AIRCRAFT CABLE HANGERS, MATTE WHITE CANOPY AND RING FINISH. MOUNT AT HEIGHT DIRECTED BY ARCHITECT.
O2	EUREKA *4800-36-LED-80-30-120V-DV-RDP-AC-60-RC-RCC-WHM-WMH	LED / 80W / 3000K / 4134 LUMENS	SIMILAR TO TYPE O1 EXCEPT 36" DIA AND HIGHER LUMEN OUTPUT. MOUNT AT HEIGHT DIRECTED BY ARCHITECT AND/OR INTERIOR DESIGNER.
O3	EUREKA *4800-54-LED-128-30-120V-DV-RDP-AC-60-RC-RCC-WHM-WMH	LED / 128W / 3000K / 6666 LUMENS	SIMILAR TO TYPE O1 EXCEPT 54" DIA AND HIGHER LUMEN OUTPUT. MOUNT AT HEIGHT DIRECTED BY ARCHITECT AND/OR INTERIOR DESIGNER.
R	LIGHTOLIER *2027WH-2000IC	PAR20 / 50W	3'-3/4" DIA APERTURE ADJUSTABLE DOWNLIGHT W/MATTE WHITE STEPPED BAFFLE AND MATTE WHITE TRIM RING. FIXTURE TO BE AIMED DIRECTLY DOWN.
S	SONNEMAN *2340.16-DIM	LED / 10W / 3000K / 840 LUMENS	23-3/4" H x 3-1/4" PROJECTION LED WALL LIGHT BAR W/BRIGHT SATIN ALUMINUM FINISH. FIXTURE TO BE PROVIDED BY OTHERS (URBAN DWELLINGS, INTERIOR DESIGNER)
U	MAXIMUS *M-22PL-840-SQ-15-WFC-D	LED / 27W / 4000K / 1500 LUMENS	14.8" SQ SURFACE MOUNTED LED LIGHT W/FLOOD DISTRIBUTION BEAM SPREAD, WHITE ACRYLIC DIFFUSER AND WHITE HOUSING
UC	KLUS *B1888-A-LC-27-MO-C	LED / 3W/FT / 2700K / 265 LUMENS/FT	UNDERCABINET LED LIGHT STRIP W/ANODIZED FINISH, LIGER FROSTED LENS, MEDIUM LUMEN OUTPUT AND CHROME MTG CLIPS. PROVIDE LENGTHS AS INDICATED ON DRAWINGS. COORDINATE MTG AND CONTROLS WITH INTERIOR DESIGNERS
W	LIGHTOLIER *2027WH-2000IC	PAR20 / 50W	SIMILAR TO TYPE R EXCEPT FIXTURE TO BE AIMED AT WALL
W1			FUTURE FIXTURE TO BE PROVIDED AT A LATER DATE. PROVIDE EMPTY BOXES AND CONDUIT WHERE SHOWN ON DRAWING AT 9'-0" ABOVE GRADE. CONTRACTOR TO CARRY AN ALLOWANCE OF \$500 PER FIXTURE INSTALLED.
W2			SIMILAR TO TYPE W1 EXCEPT FUTURE FIXTURE SHOULD BE EQUIPPED WITH REMOTE OR INTEGRAL COLD WEATHER EMERGENCY POWER SUPPLY
W3	ARCHITECTURAL AREA LIGHTING *CY115-3K8-1-3-UNV-BL-T-FPS	LED / 15W / 3000K / 1500 LUMENS	13.3" W x 10.3 x 3.8" D WALL MTD LOW PROFILE TRIANGULAR/WEDGE SHAPED LED SCOCNE W/DOWNLIGHT OPTIC ONLY, IESNA TYPE III DISTRIBUTION, FULL PANEL STAINLESS STEEL FRONT. UL LISTED FOR WET LOCATIONS.
X1	SURE LITES *APX R	LED / 0.99W	11-5/8" W x 7-3/16" H x 1-5/8" D UNIVERSAL MTD THERMOPLASTIC LED EXIT SIGN W/RED LETTERS, WHITE HOUSING & NICKEL CADMIUM BATTERY PROVIDES ILLUMINATION FOR A MINIMUM OF 90 MINS UPON LOSS OF NORMAL POWER, PROVIDE ARROWS AS INDICATED ON DRAWINGS
X2	SURE LITES *APC7 R	LED / 1.31W	16-9/16" W x 8-1/4" H x 2-5/16" D UNIVERSAL MTD THERMOPLASTIC COMBINATION LED EXIT SIGN/EMERGENCY LIGHTW/ (2) 1W ADJUSTABLE LED EMERGENCY LIGHT HEADS, RED LETTERS, WHITE HOUSING & NICKEL CADMIUM BATTERY, UL LISTED FOR DAMP LOCATIONS PROVIDES ILLUMINATION FOR A MINIMUM OF 90 MINS UPON LOSS OF NORMAL POWER, PROVIDE ARROWS AS INDICATED ON DRAWINGS
Z	KLUS *B5554-A-LC-27-HD-XX-ADJ	LED / 9W/FT / 2700K / 750 LUMENS/FT	SURFACE MTD LINEAR LED LIGHT W/FROSTED MATTE LENS, HIGH LUMEN OUTPUT AND ADJUSTABLE MOUNTING BRACKET. COORDINATE INSTALLATION WITH ARCHITECT AND/OR INTERIOR DESIGNER.



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**ELECTRICAL
 SYMBOLS & NOTES**

E3.01