

LEGEND NOTES

- CONDUCTORS AND RACEWAY FOR MECHANICAL APPLIANCES SHALL BE CONTINUOUS IN SIZE AND COUNT FROM SOURCE TO FINAL CONNECTION.
- WHERE BRANCH CIRCUIT HOMERUNS ARE LABELED "SPLIT CIRCUIT" (SC), THE BRANCH CIRCUIT NUMBER INDICATED HAS BEEN USED ON MORE THAN ONE HOMERUN INDICATOR. INSTALL ONLY ONE CONDUCTOR PER CIRCUIT BREAKER POLE WITHIN THE PANELBOARD ENCLOSURE. SPLICES NECESSARY TO COMPLY WITH THIS REQUIREMENT SHALL BE MADE IN A SEPARATE SPLICE BOX OUTSIDE THE PANELBOARD ENCLOSURE.
- BRANCH CIRCUIT WIRING TO EXIT LUMINAIRES AND TO THE BATTERY INVERTERS WITHIN SHADED LUMINAIRES SHALL BE UNSWITCHED, CONNECTED AHEAD OF ANY CONTROL SWITCHES.

GENERAL RACEWAY NOTES

- EXTERIOR WALLS:**
- UNLESS INDICATED OTHERWISE, PROVIDE FLUSH-MOUNTED ELECTRICAL BOXES EMBEDDED IN PRECAST PANEL WALLS FOR MOUNTING ELECTRICAL DEVICES ON EXTERIOR OF BUILDING.
 - UNLESS INDICATED OTHERWISE, DO NOT RUN ELECTRICAL RACEWAYS EXPOSED TO VIEW ON EXTERIOR SURFACES OF PRECAST CONCRETE WALL PANELS. PROVIDE ELECTRICAL RACEWAYS EMBEDDED IN PRECAST CONCRETE WALL PANELS BETWEEN EXTERIOR ELECTRICAL EQUIPMENT AND INTERIOR LOCATIONS WHERE EXPOSED CONDUIT IS PERMITTED.
- INTERIOR WALL SURFACES INSIDE FIRING RANGE:**
- BETWEEN THE BULLET TRAP AND THE REARMOST FIRING LINE, DO NOT INSTALL ELECTRICAL RACEWAYS EXPOSED ON INTERIOR SURFACES OF PRECAST CONCRETE WALL PANELS BELOW THE ARS CEILING BAFFLES UNLESS INDICATED OTHERWISE. WHERE SURFACE MOUNTED RACEWAYS ARE INDICATED, PROVIDE BALLISTIC STEEL DEFLECTORS UPRANGE OF SURFACE MOUNTED ELECTRICAL RACEWAYS AND DEVICES. SEE AE501 FOR BALLISTIC DEFLECTOR DETAIL.
 - INSTALLATION OF SURFACE MOUNTED RACEWAYS ABOVE ARS CEILING BAFFLES IS PERMITTED.
 - INSTALLATION OF SURFACE MOUNTED RACEWAYS BEHIND REARMOST FIRING LINE IS PERMITTED UNLESS OTHERWISE INDICATED.
- OTHER INTERIOR WALL SURFACES:**
- DO NOT INSTALL SURFACE-MOUNTED RACEWAY ON OTHER INTERIOR WALL SURFACES EXCEPT AS PERMITTED BY ARCHITECT.

GENERAL NOTES

- WIRING SHALL BE IN CONDUIT, MINIMUM SIZE ONE-HALF (1/2) INCH WITH LARGER SIZES AS INDICATED OR REQUIRED BY N.E.C.
- WIRE AND CABLE SHALL BE #12 AWG MINIMUM.
- PROVIDE J-HOOKS AS REQUIRED FOR INSTALLATION OF LOW VOLTAGE WIRING FOR AUDIO AND LIGHTING CONTROL SYSTEMS. J-HOOKS SHALL BE 2" MINIMUM SIZE. SPACING SHALL NOT EXCEED 4 FEET BETWEEN HOOKS.
- OPENINGS CREATED IN A FIRE OR SMOKE RATED WALL OR FLOOR BY PROVISION OF ANY ELECTRICAL DEVICE OR CONDUIT, SHALL BE SEALED AFTER THE WORK IS COMPLETED WITH A UL APPROVED FIRE/SMOKE SEALANT APPROPRIATE TO RE-ESTABLISH THE PREVIOUS RATING OF THE WALL OR FLOOR. SEE ARCHITECTURAL PLANS FOR FIRE RATED WALLS/FLOORS AND THEIR RATING.
- COORDINATE EXACT LOCATION OF CEILING MOUNTED LIGHTING FIXTURES AND SPEAKERS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
- FOR MECHANICAL EQUIPMENT INSTALLATIONS, THE DIVISION 26 CONTRACTOR SHALL BE RESPONSIBLE FOR BRANCH CIRCUIT RACEWAY AND CONDUCTORS FROM SOURCE TO FINAL CONNECTION TO EQUIPMENT.
- CONDUCTORS FOR BRANCH CIRCUITS SHALL BE SIZED TO PREVENT VOLTAGE DROP EXCEEDING 3% AT THE FARTHEST POINT. ADJUST CONDUCTOR SIZES INDICATED IN THE PANELBOARD SCHEDULES BASED ON THE FOLLOWING GUIDELINES:

 FOR 120V, 1-PHASE, 20A BRANCH CIRCUITS:
 0-50 FEET RUNS: #12 AWG
 50-100 FEET RUNS: #10 AWG
 100-150 FEET RUNS: #8 AWG
 RUNS ABOVE 150 FEET: #6 AWG

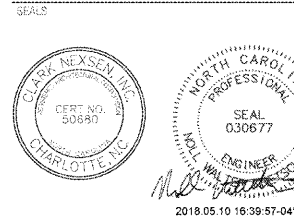
 FOR 277V, 1-PHASE, 20A BRANCH CIRCUITS:
 0-100 FEET RUNS: #12 AWG
 100-200 FEET RUNS: #10 AWG
 RUNS ABOVE 200 FEET: #8 AWG
- PLUS SYMBOL (+) WITH NUMERAL ADJACENT TO DEVICE SYMBOL INDICATES MOUNTING HEIGHT IN INCHES MEASURED FROM FINISHED FLOOR OR GRADE TO CENTER OF DEVICE OR JUNCTION BOX (EXAMPLE: "+48").

SYMBOL	TYPE	LUMINAIRE DESCRIPTION	LED SOURCE		DRIVER	ELECTRICAL	MOUNTING	ACCEPTABLE MANUFACTURERS	LUMINAIRE NOTE(S)			
			QTY	TYPE						VA	VOLTS	
[Symbol]	L1	2x2 RECESSED, STATIC TROFFER WITH CODE GAUGE STEEL HOUSING, VOLUMETRIC OPTICAL SYSTEM WITH LIGHT DIFFUSERS, ANTI-SPILLATION EXTRUDED ACRYLIC REFRACTOR, ONE PIECE COLD ROLLED STEEL REFLECTOR WITH EMBOSSED FACETS. POWDER COATED AFTER FABRICATION.	1	3000 LUMEN	1	FIXED OUTPUT	34	277	RECESSED	COLUMBIA: #	LEPC 22-35MLG-LL	
[Symbol]	L2	IDENTICAL TO TYPE L1 EXCEPT 2x4	1	4700 LUMEN	1	FIXED OUTPUT	45	277	RECESSED	COLUMBIA: #	LEPC 24-35MLG-LL	
[Symbol]	L3	IDENTICAL TO TYPE L2 EXCEPT LUMEN OUTPUT AND DRIVER	1	5000 LUMEN	1	0-10V DIM	53	277	RECESSED	COLUMBIA: #	LEPC 24-35MLG-LL	
[Symbol]	L4	2x2 RECESSED, STATIC TROFFER WITH CODE GAUGE STEEL HOUSING, BAKED WHITE ENAMEL FINISH AND 1/2" A-12 PRISMATIC ACRYLIC LENS.	1	2500 LUMEN	1	FIXED OUTPUT	27	277	RECESSED	COLUMBIA: #	LLT 22-35MLG	
[Symbol]	L5	IDENTICAL TO TYPE L4 EXCEPT 2x4	1	4800 LUMEN	1	FIXED OUTPUT	45	277	RECESSED	COLUMBIA: #	LLT 24-35MLG	
[Symbol]	L6	10" x 4" WRAPAROUND LUMINAIRE WITH MEDIUM WIDTH STEEL HOUSING, WHITE END CAPS, BAKED WHITE ENAMEL FINISH AND PRISMATIC ACRYLIC LENS.	1	4750 LUMEN	1	FIXED OUTPUT	45	277	SURFACE	COLUMBIA: #	LWC4-35-ML	
[Symbol]	L7	6" DIA. RECESSED, LENSED DOWNLIGHT WITH STEEL HOUSING AND CLEAR ALZAK REFLECTOR. SEPARATE DRIVER MOUNTING PLATE ADJACENT TO REFLECTOR.	1	3000 LUMEN	1	FIXED OUTPUT	35	277	SURFACE	PRESCOLITE: #	LF6ML	
[Symbol]	L8	4" WALL MOUNTED LUMINAIRE, ADA COMPLIANT WITH HEAVY EXTRUDED ALUMINUM HOUSING, DIE CAST END CAPS AND ACRYLIC DIFFUSER PROVIDING DIRECT AND INDIRECT ILLUMINATION.	1	4750 LUMEN	1	FIXED OUTPUT	45	277	SURFACE	COLUMBIA: #	OWM4-35MLG-DS	PROVIDE WITH DALI OPTION WHERE INDICATED (SHADED) ON PLANS
[Symbol]	L9	EXTERIOR WALLPACK WITH DIE-CAST ALUMINUM HOUSING, TYPE 3 MEDIUM DISTRIBUTION AND MEDIUM GRAY POWDER COAT FINISH. INTEGRAL PHOTOCELL. UL LISTED FOR WET LOCATIONS.	1	1500 LUMEN	1	FIXED OUTPUT	15	277	WALL MOUNTED 10'-0"	ARCHITECTURAL AREA LIGHTING: #	CY1-15-417-1-3-MS-2-01	
[Symbol]	L10	4"x4" RECESSED, ASYMMETRIC WALLWASH LUMINAIRE WITH ADDITIONAL ROOM-SIDE LIGHTING DISTRIBUTION, ANTI-SPILLATION EXTRUDED ACRYLIC LENS, CODE GAUGE STEEL HOUSING, AND BAKED WHITE ENAMEL FINISH.	1	3600 LUMEN	1	DALI DIM	35	277	RECESSED	COLUMBIA: #	OWM4-35MWG-1WR	
[Symbol]	L11	4" CORNER MOUNT LUMINAIRE WITH LUMINOUS HIGH TRANSMISSION HIGH-HINGING ACRYLIC LENS, FLUSH HINGED LENS DOOR, CODE GAUGE STEEL HOUSING, AND BAKED WHITE ENAMEL FINISH.	1	4100 LUMEN	1	DALI DIM	48	277	BAFFLE	LAMAR: #	COR-48-HLU-35	
[Symbol]	L12	IDENTICAL TO TYPE L10 EXCEPT 2 FOOT LENGTH	1	2400 LUMEN	1	DALI DIM	24	277	BAFFLE	LAMAR: #	COR-24-HLU-35	
[Symbol]	L13	FULLY ADJUSTABLE, YOKE MOUNTED, FLOODLIGHT LUMINAIRE WITH LOW COPPER DIE-CAST ALUMINUM BODY, TEMPERED GLASS LENS, SEALED LED ARRAY WITH 20 DEGREE NARROW FLOOD DISTRIBUTION.	1	2700 LUMEN	1	DALI DIM	50	277	BAFFLE	LUMINUS: #	LBL-277-35K-NF-WH-DALI	PROVIDE DALI FIELD RELAY FOR LIGHTING SYSTEM CONTROL. FIELD COORDINATE FLASH PATTERN WITH OWNER.
[Symbol]	L14	SURFACE MOUNTED LED WARNING LIGHTBAR LUMINAIRE WITH 4-LAMP ARRAY (2 BLUE, 2 WHITE) AND SEVEN FLASH PATTERNS PLUS STEADY ON.	1	N/A	1	FIXED OUTPUT (REMOTE)	100	277	FACE MOUNTED	WHY: #	D48BC0 (LIGHTBAR) DLG100PS12 (REMOTE DRIVER)	
[Symbol]	L15	NOMINAL 20" X 14" SURFACE WALL MOUNTED ILLUMINATED SIGN WITH EXTRUDED ALUMINUM HOUSING, TEMPERED GLASS FACE WITH BLACK MESH SCREEN. LETTERING IS NOT VISIBLE UNTIL ENERGIZED. UL LISTED FOR WET LOCATIONS.	1	N/A	1	N/A	277	277	FACE MOUNTED 6'-0"	COLE LIGHTING: #	836W-LED-CC	PROVIDE CUSTOM COPY OPTION WITH RED "RANGE IN USE" LETTERING
[Symbol]	L16	STATUS INDICATOR LIGHT WITH AMBER POLYCARBONATE LENS, WALL MOUNTED ON POLYCARBONATE WALL BRACKET THAT MOUNTS DIRECTLY TO A RECESSED JUNCTION BOX, PROVIDING A 360° VISUAL SIGNAL.	1	N/A	1	FIXED OUTPUT 6'-0"	12	120	WALL MOUNTED 6'-0"	FEDERAL SIGNAL: #	SLM100A	PROVIDE WITH FLASHING MODE
[Symbol]	L17	IDENTICAL TO TYPE L11 EXCEPT DRIVER	1	4100 LUMEN	1	FIXED OUTPUT	48	277	WALL MOUNTED	LAMAR: #	COR-48-HLU-35	WALL MOUNT AS HIGH AS POSSIBLE UNDER BULLET TRAP.
[Symbol]	L18	NOMINAL 34" X 7" SURFACE WALL MOUNTED ILLUMINATED SIGN WITH EXTRUDED ALUMINUM HOUSING, TEMPERED GLASS FACE WITH BLACK MESH SCREEN. LETTERING IS NOT VISIBLE UNTIL ENERGIZED. MOUNT CENTERED OVER DOOR.	1	N/A	1	N/A	20	277	WALL MOUNTED	COLE LIGHTING: #	836W-LED-CC	PROVIDE CUSTOM COPY OPTION WITH RED "RANGE IN USE" LETTERING
[Symbol]	EXIT	LED EXIT LUMINAIRE WITH ALUMINUM HOUSING, RED LETTERS CLEAR ACRYLIC LENS AND MAINTENANCE FREE LEAD NICKEL CADMIUM BATTERY. UL 924 LISTED & LABELED. SHADED QUADRANT(S) INDICATE QUANTITY AND ORIENTATION OF ILLUMINATED FACES.	1	LED	1	N/A	3	277	UNIVERSAL	COLE LIGHTING: #	280 SERIES	CONNECT EXIT LUMINAIRE TO ADJACENT LIGHTING BRANCH CIRCUIT

- GENERAL NOTES:
- LUMINAIRE ARE 3500K UNLESS OTHERWISE NOTED.
 - LUMEN OUTPUT IS NOMINAL.
 - LUTRON ECOSYSTEM IS PROPRIETARY DESIGNER, AND IS AN ACCEPTABLE ALTERNATE. COORDINATE DRIVER REQUIREMENTS WITH EACH DALI LUMINAIRE.

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 4 MAY 2018
CONSTRUCTION DOCUMENTS

REVISIONS:

NO.	DESCRIPTION

SHEET
**ELECTRICAL LEGEND AND
 NOTES**

E-002

DESIGN: Designer
 DRAWN: Author
 REVIEW: Checker
 CN 5938

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