



ELECTRICAL - LIGHTING LAYOUT
 E-102 SCALE: 1:100

SPECIFIC ELECTRICAL NOTES

- APPROXIMATE LOCATION OF LOW VOLTAGE LIGHTING CONTROLS. COORDINATE EXACT LOCATION AND FINAL SWITCHING SCHEME WITH END USER ON SITE. LIGHTING IS TO BE CONTROLLED TO MATCH THE LIBRARY'S OPERATIONAL SCHEDULE. SYSTEM SHALL NOT HAVE TO CAPABILITY TO BE OVERRIDDEN BY MORE THAN TWO(2) HOURS.
- 100A-120/208V-3PH-4W PANEL 'L' (42CCT).
- LIGHTING CONTROL SYSTEM. nLIGHT BRIDGE AND GATEWAY. MANUFACTURER: nLIGHT BY ACUITY.

GENERAL ELECTRICAL NOTES

- 'DL' DENOTES LUMINAIRE TO BE CONTROLLED BY nLIGHT DAYLIGHT HARVESTING SYSTEM.
- ALL LUMINAIRES ARE TO DIMMABLE.
- ALL LOW VOLTAGE LIGHTING CONTROL ZONES ARE TO BE FULLY DIMMABLE.
- REFER TO LOW VOLTAGE LIGHTING CONTROL SUPPLIER CONTROL SCHEMATIC FOR ELECTRICAL REQUIREMENTS.

PANEL 'L'				
100A-120/208V-3PH-4W				
RECESSED IN PROGRAM ROOM STORAGE 114				
DESCRIPTION	CIRCUIT BREAKER	PHASE A B C	CIRCUIT BREAKER	DESCRIPTION
EXTERIOR LIGHTING (ZONE 1)	20	1	2	LIVING WALL TRACK LIGHTING (ZONE 3)
EXTERIOR LIGHTING (ZONE 1)	20	3	4	FRONT AREA LIGHTING (ZONE 4)
SPARE (ZONE 1)	20	5	6	PUBLIC AREA #1 LIGHTING (ZONE 5)
SPARE (ZONE 1)	20	7	8	PUBLIC AREA #1 LIGHTING (ZONE 5)
EXTERIOR SIGNAGE (ZONE 2)	20	9	10	PUBLIC AREA #1 LIGHTING (ZONE 5)
SPARE (ZONE 2)	20	11	12	PUBLIC AREA #1 LIGHTING (ZONE 5)
SPARE (ZONE 2)	20	13	14	PUBLIC AREA #1 LIGHTING (ZONE 5)
LIGHTING	20	15	16	SPARE (ZONE 5)
LIGHTING	20	17	18	PUBLIC AREA #2 LIGHTING (ZONE 6)
SPARE	20	19	20	PUBLIC AREA #2 LIGHTING (ZONE 6)
LIGHTING	20	21	22	PUBLIC AREA #2 LIGHTING (ZONE 6)
SPARE	20	23	24	SPARE (ZONE 6)
SPACE	-	25	26	MULTIPURPOSE ROOM LIGHTING
SPACE	-	27	28	CRAWLSPACE LIGHTING
SPACE	-	29	30	SPARE
SPACE	-	31	32	SPARE
SPACE	-	33	34	SPARE
SPACE	-	35	36	SPARE
SPACE	-	37	38	SPARE
SPACE	-	39	40	SPARE
SPACE	-	41	42	SPARE

LIGHTING CONTROL ZONE SCHEDULE			
ZONE	CONTROLLED	CIRCUITS	PANEL
1	EXTERIOR LIGHTING	L1, L3, L5, L7	L
2	EXTERIOR SIGNAGE	L9, L11, L13	L
3	LIVING WALL - TRACK LIGHTING	L2	L
4	FRONT AREA	L4	L
5	PUBLIC AREA #1	L6, L8, L10, L12, L14, L16	L
6	PUBLIC AREA #2	L18, L20, L22, L24	L
7	FIVE(5) SPARES	-	L

ALLOW ADDITIONAL CAPACITY WITHIN PANEL FOR 25% ADDITIONAL RELAYS

NOTES:
 1. ELECTRICAL CONTRACTOR SUPPLIED nLIGHT CONTROL SYSTEM C/W PROGRAMMING FOR DAYLIGHT CONTROL, OCCUPANCY CONTROL, AND TIME CLOCK CONTROL. COORDINATE REQUIREMENTS WITH LIGHTING CONTROL SUPPLIER.
 2. MANUFACTURER: nLIGHT BY ACUITY.

LUMINAIRE SCHEDULE						
TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	APPROVED ALTERNATE	APPROVED ALTERNATE	LAMP
A	8' LED STRIP	SURFACE	LITHONIA TZLN-L96-1000LM-FST-MVOLT-40K-80CRI	COOPER 8T5NLED-LD4-835L-LN-UNV-L840-CD1-U		83W LED
A1	4' LED STRIP	SURFACE	LITHONIA ZL1N-L48-1000LM-FST-MVOLT-40K-80CRI	COOPER 4S1NLED-LD4-415L-LN-UNV-L840-CD1-U		42W LED
B	SUSPENDED LED LUMINAIRE. CONFIRM LENGTHS	SUSPENDED @ 10'-0" A.F.F.	HP-2D-6'-V-8-40-F-120-FA-SC-C4	COOPER S22-D-P-L40-2-XX-6-U-DD-SI-1	FORUM SAD-32-80-35-SAT-C-6-120-WH-DL43	80W LED
C	NOT USED					
D	2'X4' LED LUMINAIRE	RECESSED	LITHONIA 2BLT4-48L-ADP-LP840-N100	COOPER 24CZ-LD4-50-UNV-L840-CD1-U	COLUMBIA LCAT24-40ML-G-LUTH-U	45W LED
E	2'X2' LED LUMINAIRE	RECESSED	LITHONIA 2BLT2-40L-ADP-LP840-N100	COOPER 22CZ-LD4-39-UNV-L840-CD1-U	COLUMBIA LCAT22-40LV-G-LUTH-U	40W LED
F	POT LIGHT	RECESSED	LITHONIA LDN6-40/104-LV6/AR	COOPER LD6B-10-D010-EU6B-1020-80-40-6LB-5W-UJ	PRESCOLITE LF6LEDG4-WV-HDM-6LFLED5GR-40K-WT-B24	18W LED
G	NOT USED					
H	LED TRACK LIGHTING	TRACK	JUNO T262L-4-D-F-WH			23.8W LED
I	PORCELAIN LUMINAIRE	SURFACE	SMITH & STONE C/W LED LAMP			10W LED

NOTES:
 1. ALL BALLASTS AND DRIVERS TO BE ELECTRONIC AND DIMMABLE.
 2. ALL LAMPS TO BE 4000K AND 90CRI UNLESS OTHERWISE NOTED.
 3. PROVIDE PHOTOCELL AND/OR TIME CLOCK CONTROL FOR ALL EXTERIOR LUMINAIRES.

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 LIGHTING LAYOUT**

Project No. Sheet
 1487 **E-102**