



**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, LIGHT BRIDGE AND GATEWAY. MANUFACTURER: LIGHT BY ACUITY.

**GENERAL ELECTRICAL NOTES**

- 'DL' DENOTES LUMINAIRE TO BE C/W DAYLIGHT HARVESTING.
- 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	PHASE B	CIRCUIT BREAKER	DESCRIPTION
EXTERIOR LIGHTING (ZONE 1)	20	1	φ	2	LIVING WALL TRACK LIGHTING (ZONE 3)
EXTERIOR LIGHTING (ZONE 1)	20	3	φ	4	FRONT AREA LIGHTING (ZONE 4)
SPARE (ZONE 1)	20	5	φ	6	PUBLIC AREA #1 LIGHTING (ZONE 5)
EXTERIOR SIGNAGE (ZONE 2)	20	7	φ	8	PUBLIC AREA #1 LIGHTING (ZONE 5)
SPARE (ZONE 2)	20	9	φ	10	PUBLIC AREA #1 LIGHTING (ZONE 5)
SPARE (ZONE 2)	20	11	φ	12	PUBLIC AREA #1 LIGHTING (ZONE 5)
LIGHTING	20	13	φ	14	PUBLIC AREA #1 LIGHTING (ZONE 5)
LIGHTING	20	15	φ	16	PUBLIC AREA #2 LIGHTING (ZONE 6)
LIGHTING	20	17	φ	18	PUBLIC AREA #2 LIGHTING (ZONE 6)
SPARE	20	19	φ	20	PUBLIC AREA #2 LIGHTING (ZONE 6)
LIGHTING	20	21	φ	22	PUBLIC AREA #2 LIGHTING (ZONE 6)
SPARE	20	23	φ	24	SPARE (ZONE 6)
SPACE	-	25	φ	26	MULTIPURPOSE ROOM LIGHTING
SPACE	-	27	φ	28	CRAWLSPACE LIGHTING
SPACE	-	29	φ	30	SPARE
SPACE	-	31	φ	32	SPARE
SPACE	-	33	φ	34	SPARE
SPACE	-	35	φ	36	SPARE
SPACE	-	37	φ	38	SPARE
SPACE	-	39	φ	40	SPARE
SPACE	-	41	φ	42	SPARE

LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	LAMP
A	8' LED STRIP	SURFACE	LITHONIA TZLIN-L96-1000LM-FST-MVOLT-40K-80CRI	83W LED
A1	4' LED STRIP	SURFACE	LITHONIA ZLIN-L48-1000LM-FST-MVOLT-40K-80CRI	42W LED
B	RECESSED LED LUMINAIRE. CONFIRM LENGTHS.	SUSPENDED @ 10'-0" A.F.F.	FINELITE HP-2-6'-V-8-40-F-120-FA-SC-TBA	80W LED
C	4' LED WRAP	SURFACE	LITHONIA WL4-40L-LP840	40W LED
D	2'X4' LED LUMINAIRE	RECESSED	LITHONIA 2BLT4-48L-ADP-LP840-N100	45W LED
E	2'X2' LED LUMINAIRE	RECESSED	LITHONIA 2BLT2-40L-ADP-LP840-N100	40W LED
F	POT LIGHT	RECESSED	LITHONIA LDN6-40/104-LW6/AR	18W LED
G	DOWNLIGHT	SURFACE	LITHONIA PML-13-830	10W LED
H	LED TRACK LIGHTING	TRACK	LITHONIA T209LED-4-NFL	35W 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 80CRI UNLESS OTHERWISE NOTED.  
 3. PROVIDE PHOTOCELL AND/OR TIME CLOCK CONTROL FOR ALL EXTERIOR LUMINAIRES.

LOW VOLTAGE RELAY SCHEDULE				
ZONE	CONTROLLED	CIRCUITS	PANEL	MINIMUM SPARE RELAYS
1	EXTERIOR LIGHTING	L1, L3, L5, L7	L	2
2	EXTERIOR SIGNAGE	L9, L11, L13	L	2
3	LIVING WALL - TRACK LIGHTING	L2	L	0
4	FRONT AREA	L4	L	0
5	PUBLIC AREA #1	L6, L8, L10, L12, L14, L16	L	1
6	PUBLIC AREA #2	L18, L20, L22, L24	L	1
7	FIVE(5) SPARES	-	L	5

ALLOW ADDITIONAL CAPACITY WITHIN PANEL FOR 25% ADDITIONAL RELAYS

NOTES:  
 1. ELECTRICAL CONTRACTOR SUPPLIED RELAY CONTACTOR PANELS FOR CONTROL OF LIGHTING C/W PROGRAMMABLE RELAY SCANNER AND TIMELOCK. LOCATE RELAY PANELS ABOVE LIGHTING POWER PANEL AND INCLUDE RELAYS AND BARRIERS AS REQUIRED.  
 2. MANUFACTURER: LIGHT BY ACUITY.

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 LIGHTING LAYOUT**

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