



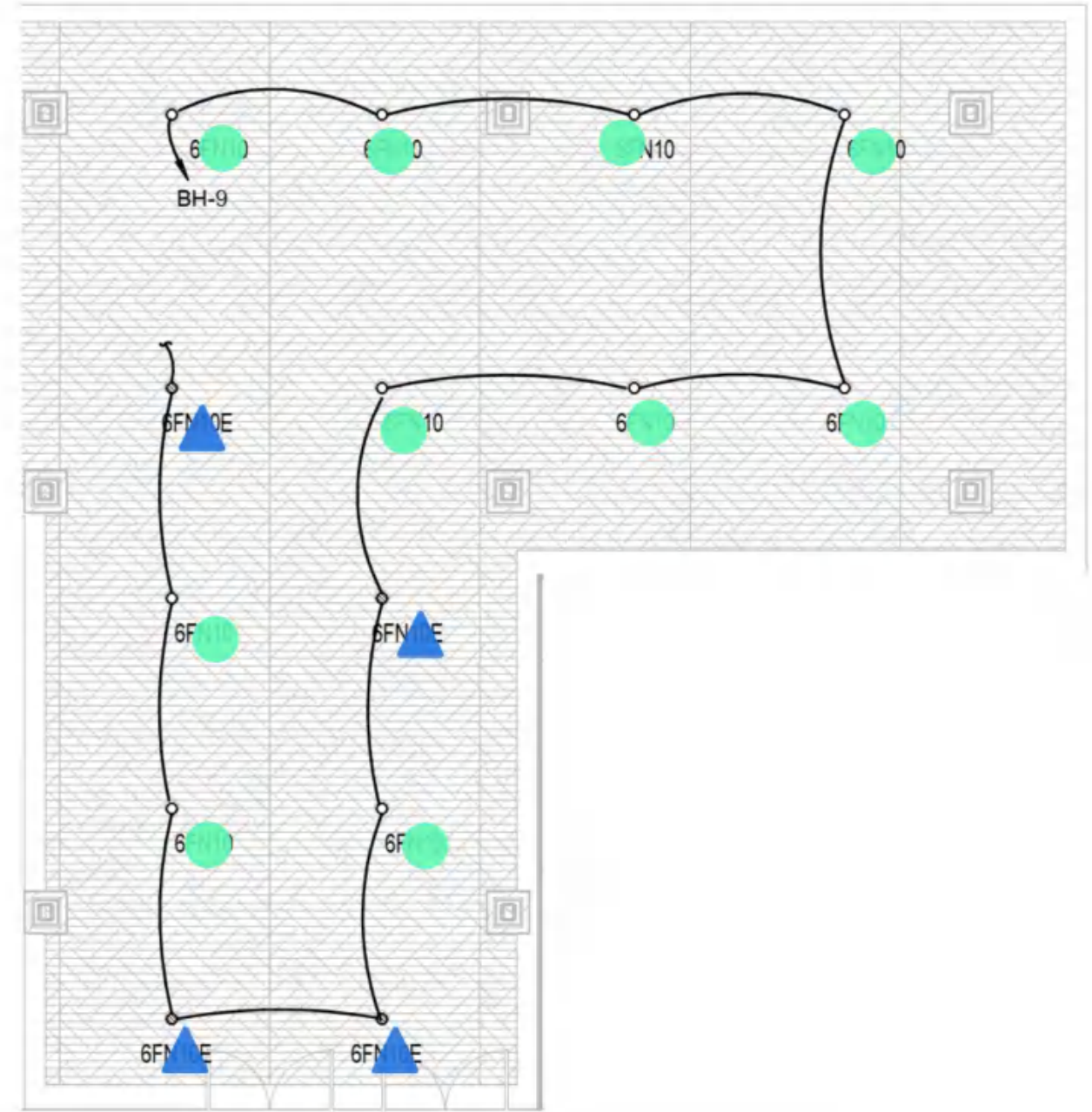
1 LIGHTING CEILING PLAN - LEVEL ONE - SEGMENT A
1/8" = 1'-0"

LIGHTING GENERAL NOTES

- SEE SHEET EL07-01 FOR GENERAL NOTES APPLICABLE TO THE ENTIRE DRAWING SET.
- REFER TO LIGHTING CONTROL CHART FOR MORE INFORMATION ON LIGHTING CONTROL SWITCH PLAN NOTES (CIRCLE NOTES - LE, LC, ETC.)

LIGHTING PLAN NOTES

- L1 INSTALL BOTTOM OF LUMINAIRE AT 10'-6" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION
- L2 INSTALL BOTTOM OF LUMINAIRE IN THIS SPACE AT 9'-0" A.F.F. INSTALL LUMINAIRE TO AVOID MECHANICAL EQUIPMENT.
- L3 INSTALL LIGHTING DEVICE ON MULLION. WIRING FOR DEVICE TO BE RUN IN MULLION.
- L11 RECESSED LUMINAIRE IN ALL SPECIALTY CEILINGS SHALL BE INDEPENDANTLY SUPPORTED FROM STRUCTURE.
- L12 SWITCH(ES) AT THIS LOCATION TO OPERATE AS THREE-WAY SWITCH(ES).
- L13 SWITCH(ES) AT THIS LOCATION TO OPERATE AS FOUR-WAY SWITCH(ES).



2 LIGHTING CEILING PLAN - LEVEL ONE - SEGMENT A - EXTERIOR CANOPY
1/8" = 1'-0"

Count

▲ 4L8	1EA	● B5	122EA	● 6FN10	22EA	▲ 6FD12E	3EA	☾ WPE	2EA
● 4L8E	1EA	● B5T	27EA	▲ 6FN10E	6EA	● 4L10E	1EA	★ XM	5EA
▲ B3	24EA	● B5TE	5EA	● 4L6F	2EA	■ 4L10	2EA	✚ 6D15E	1EA
● B3E	15EA	● 4L10AFE	10EA	● B4FE	9EA	★ SQP15	4EA	◆ X	8EA
■ B5E	23EA	● 4L10AF	17EA	● B3FE	3EA	▲ WP	12EA	◆ X2	1EA
■ B4	9EA	● B6	11EA	● 2B3FE	4EA	■ 6FN15E	2EA	☾ 4LW10F	1EA
● B4E	3EA	● B6E	1EA	● 2B3F	4EA	■ XW	3EA	★ D4	1EA



LIGHTING GENERAL NOTES

1. SEE SHEET EL07-01 FOR GENERAL NOTES APPLICABLE TO THE ENTIRE DRAWING SET.
2. REFER TO LIGHTING CONTROL CHART FOR MORE INFORMATION ON LIGHTING CONTROL SWITCH PLAN NOTES (CIRCLE NOTES - LE, LC, ETC.)

LIGHTING PLAN NOTES

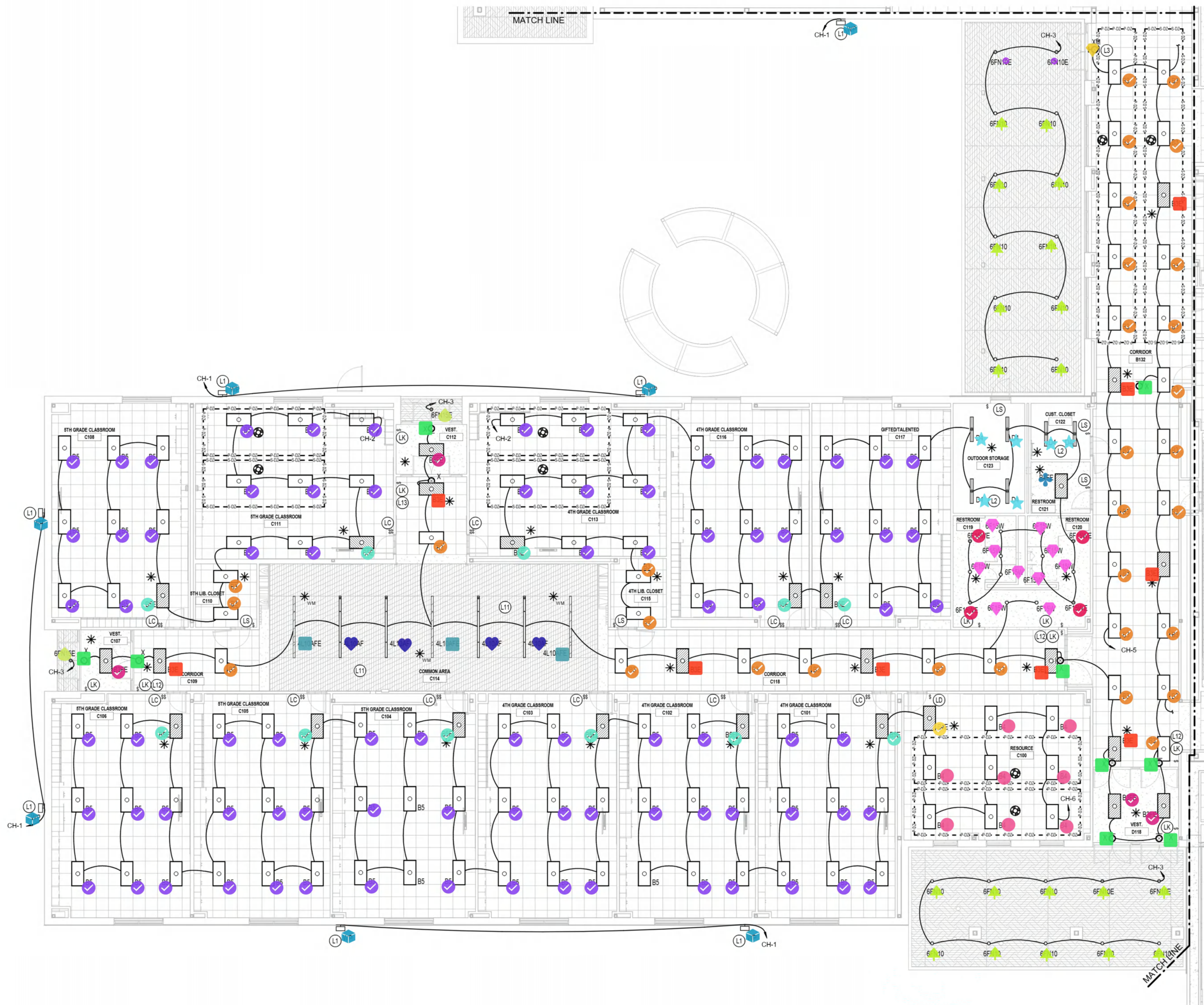
- | | |
|-----|---|
| L1 | INSTALL BOTTOM OF LUMINAIRE AT 10'-6" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION. |
| L2 | INSTALL BOTTOM OF LUMINAIRES IN THIS SPACE AT 9'-0" A.F.F. INSTALL LUMINAIRES TO AVOID MECHANICAL EQUIPMENT. |
| L3 | INSTALL LIGHTING DEVICE ON MULLION. WIRING FOR DEVICE TO BE RUN IN MULLION. |
| L11 | RECESSED LUMINAIRES IN ALL SPECIALTY CEILINGS SHALL BE INDEPENDANTLY SUPPORTED FROM STRUCTURE. |
| L12 | SWITCHES AT THIS LOCATION TO OPERATE AS THREE-WAY SWITCHES). |
| L13 | SWITCHES AT THIS LOCATION TO OPERATE AS FOUR-WAY SWITCHES). |

1 LIGHTING CEILING PLAN - LEVEL ONE - SEGMENT B
1/8" = 1'-0"

 Count

 B5	112EA	 B4E	1EA	 4L30AF	2EA	 4L6F	3EA	 B4FE	1EA
 B5E	17EA	 4P20	74EA	 D4F	5EA	 4L6FE	1EA	 WP	7EA
 B3	19EA	 6FN10	34EA	 6F15W	10EA	 4LL46F	1EA	 D4	3EA
 B3E	11EA	 4L10AF	7EA	 6F15WE	4EA	 4P20E	11EA	 X	5EA
 B4	5EA	 4L10AFE	5EA	 6FN15E	3EA	 B3FE	2EA	 XM	1EA

3/16/2026 5:05:23 PM EL02-01 LIGHTING CEILING PLAN - LEVEL ONE - SEGMENT C



1 LIGHTING CEILING PLAN - LEVEL ONE - SEGMENT C
1/8" = 1'-0"

LIGHTING GENERAL NOTES

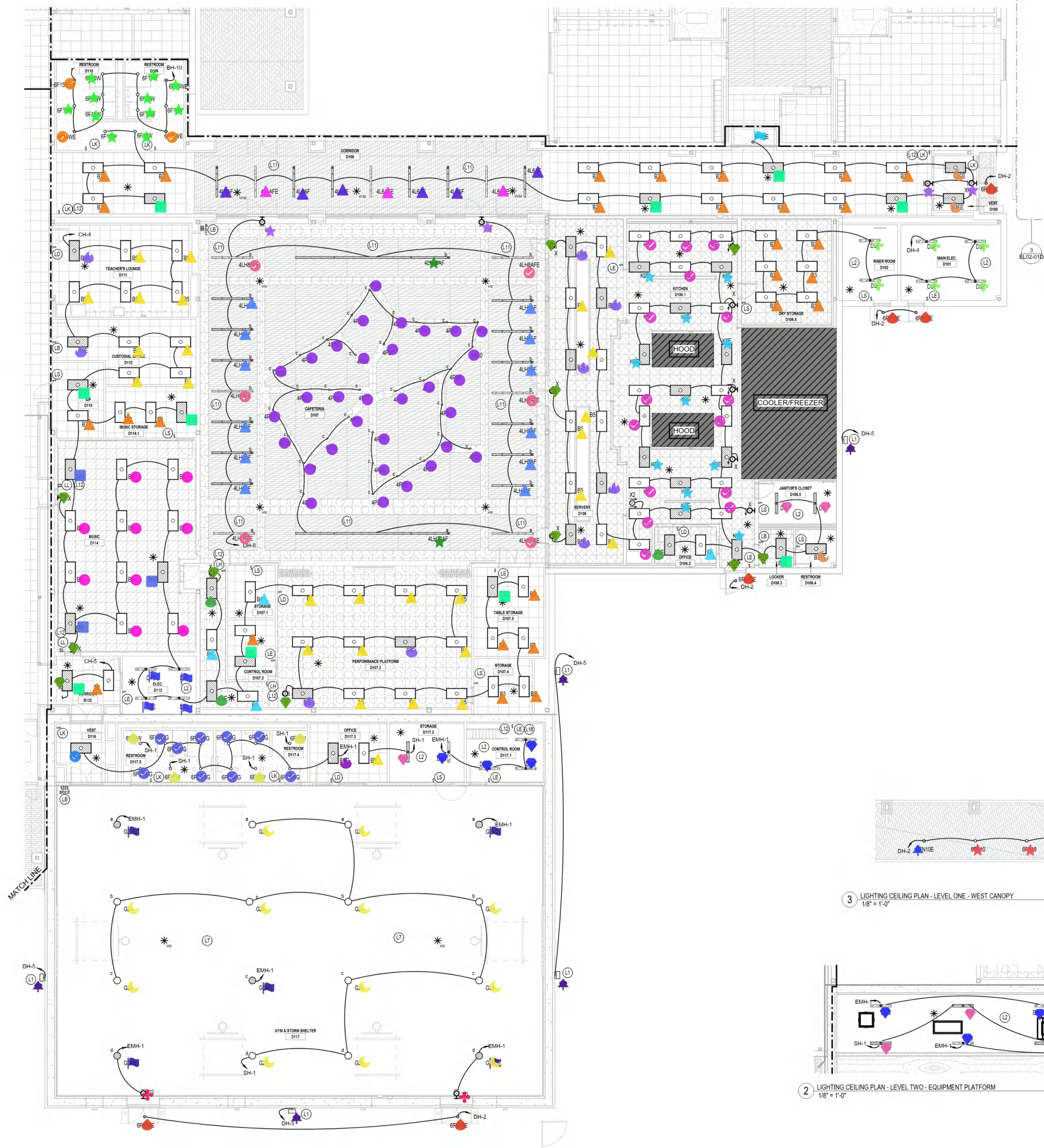
- SEE SHEET EL07-01 FOR GENERAL NOTES APPLICABLE TO THE ENTIRE DRAWING SET.
- REFER TO LIGHTING CONTROL CHART FOR MORE INFORMATION ON LIGHTING CONTROL SWITCH PLAN NOTES (CIRCLE NOTES - LE, LC, ETC.).

LIGHTING PLAN NOTES

- INSTALL BOTTOM OF LUMINAIRE AT 10'-6" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.
- INSTALL BOTTOM OF LUMINAIRES IN THIS SPACE AT 9'-0" A.F.F. INSTALL LUMINAIRES TO AVOID MECHANICAL EQUIPMENT.
- INSTALL LIGHTING DEVICE ON MULLION. WIRING FOR DEVICE TO BE RUN IN MULLION.
- RECESSED LUMINAIRES IN ALL SPECIALTY CEILINGS SHALL BE INDEPENDANTLY SUPPORTED FROM STRUCTURE.
- SWITCH(ES) AT THIS LOCATION TO OPERATE AS THREE-WAY SWITCH(ES).
- SWITCH(ES) AT THIS LOCATION TO OPERATE AS FOUR-WAY SWITCH(ES).

Count

6FN10	20EA	B4	8EA	D4	6EA	B4FE	1EA	XM	1EA
6FN10E	2EA	B3E	9EA	4L10AF	4EA	6F15W	10EA	X	9EA
B3	31EA	B5E	11EA	4L10AFE	3EA	6F15WE	4EA	WP	7EA
B5	85EA	B3FE	4EA	B4E	1EA	6FN15E	2EA		



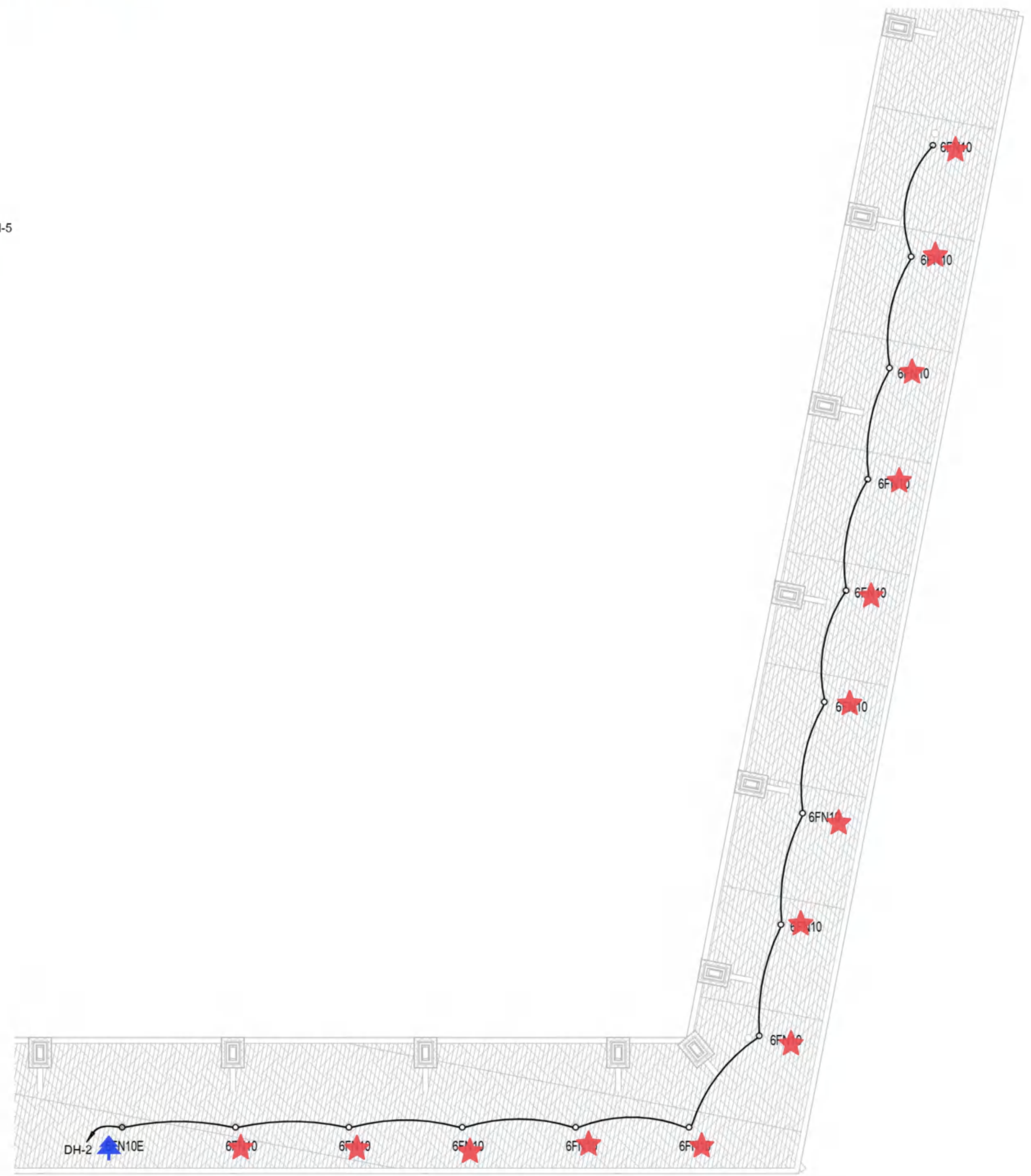
1 LIGHTING CEILING PLAN - LEVEL ONE - SEGMENT D
1/8" = 1'-0"

LIGHTING GENERAL NOTES

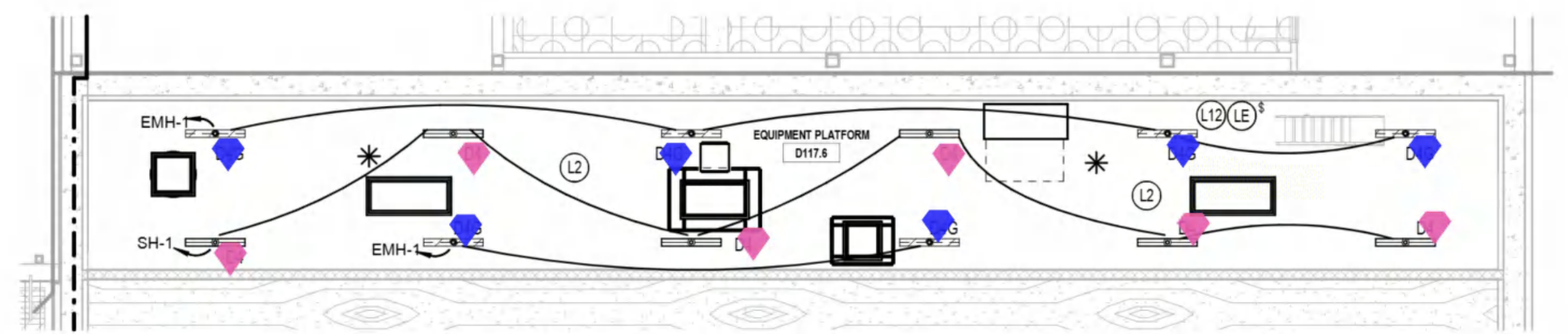
- SEE SHEET EL07-01 FOR GENERAL NOTES APPLICABLE TO THE ENTIRE DRAWING SET.
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LIGHTING PLAN NOTES

- L1 INSTALL BOTTOM OF LUMINAIRE AT 10'-6" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.
- L2 INSTALL BOTTOM OF LUMINAIRES IN THIS SPACE AT 9'-0" A.F.F. INSTALL LUMINAIRES TO AVOID MECHANICAL EQUIPMENT.
- L7 INSTALL BOTTOM OF LUMINAIRES IN THIS SPACE AT 23'-0" A.F.F. INSTALL LUMINAIRES TO AVOID MECHANICAL EQUIPMENT.
- L11 RECESSED LUMINAIRES IN ALL SPECIALTY CEILINGS SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURE.
- L12 SWITCH(ES) AT THIS LOCATION TO OPERATE AS THREE-WAY SWITCH(ES).
- L16 SWITCH TO CONTROL LUMINAIRE(S) IN MEZZANINE ABOVE. LABEL SWITCH "MEZZANINE LIGHTING".



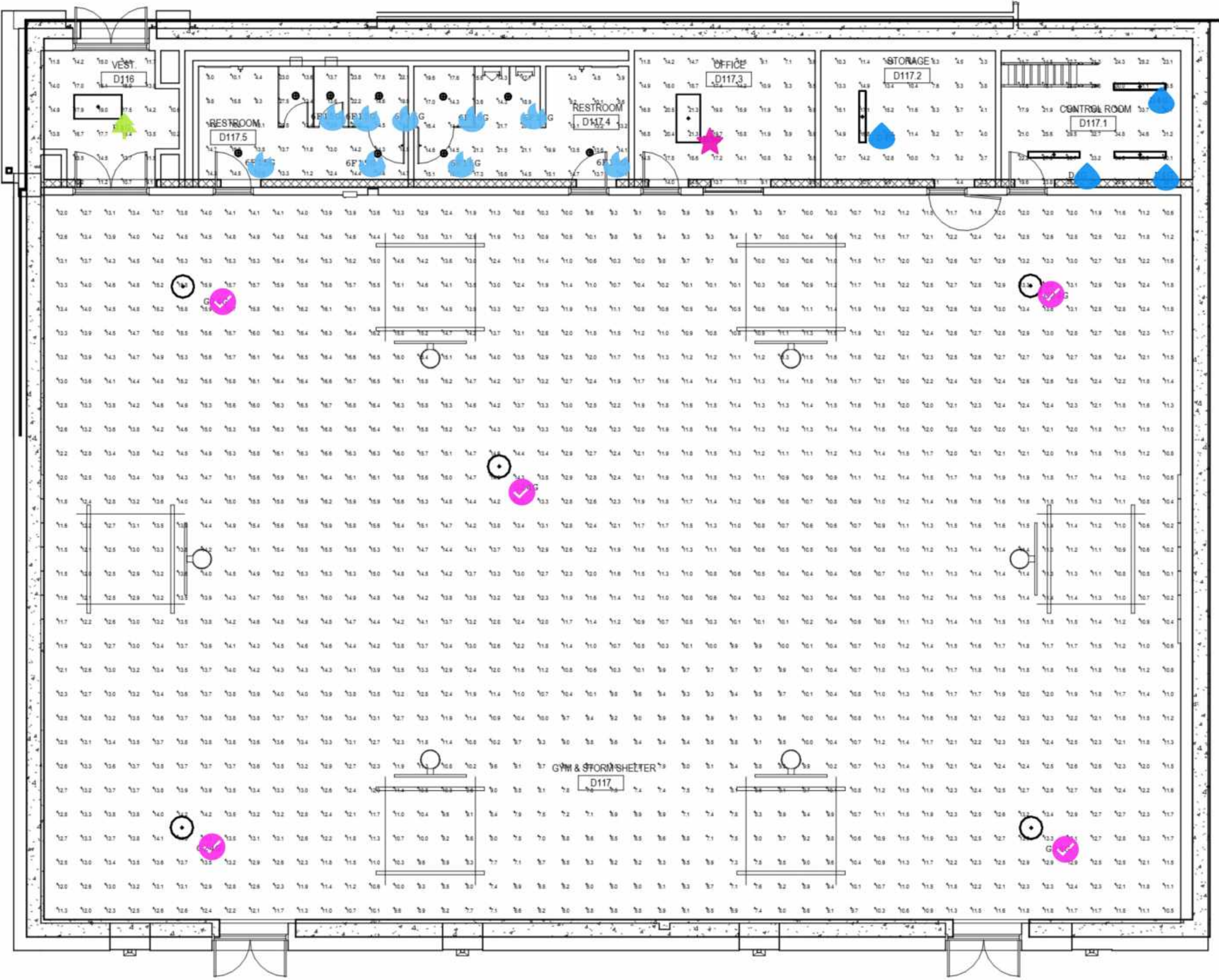
3 LIGHTING CEILING PLAN - LEVEL ONE - WEST CANOPY
1/8" = 1'-0"



2 LIGHTING CEILING PLAN - LEVEL TWO - EQUIPMENT PLATFORM
1/8" = 1'-0"

Count

▲ B3	28EA	✓ K16	15EA	◆ D4	10EA	🚩 D4E	4EA	🟢 B4E	3EA
▲ B5	27EA	★ K16E	11EA	▲ B4	4EA	★ 6F15W	11EA	🟢 X	11EA
🟡 B5E	9EA	✚ D6E	6EA	🚩 G24G	5EA	🟡 6F15WE	3EA	✚ XG	2EA
🟢 B3E	10EA	▲ 4LH8AF	12EA	🌙 G24	12EA	▲ 4L6AF	6EA	★ XM	4EA
🟡 B6	9EA	🟡 4P20	32EA	🌙 WP	5EA	▲ 4L6AFE	3EA	🚩 6F15E	1EA
🟢 B6E	3EA	✓ 4LH8AFE	6EA	★ 6FN10	14EA	🌙 B3FE	3EA		
🟡 6FN15W	4EA	★ 4LH30AF	2EA	▲ 6FN10E	1EA	🟡 B5G	1EA		
🟡 6F15WG	9EA	🔴 6FN15E	6EA	🟡 D4G	10EA	🟡 B4G	1EA		



- STORM SHELTER PHOTOMETRIC
CALCULATIONS GENERAL NOTES
1.

THESE PLANS ARE ACCURATE AND DESIGNED IN COMPLIANCE WITH AND MEET THE REQUIREMENTS OF THE STORM SHELTER IN **2023 ICC 500 SECTIONS 702.7 AND 702.8.**
2.

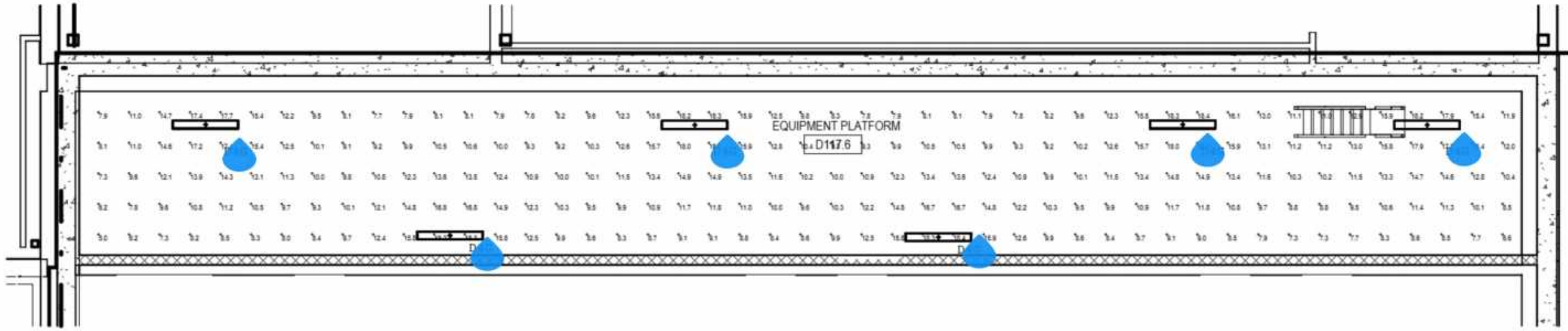
ALL CALCULATIONS SHOWN ARE AT THE FLOOR LEVEL AND ARE MEASURED HORIZONTALLY.
3.

LIGHTING CALCULATIONS HAVE BEEN PRODUCED USING AGI32 LIGHTING SOFTWARE BY LIGHTING ANALYSTS, INC.

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
CONTROL ROOM D117 1_Floor	Illuminance	Fc	26.30	34.8	11.7	2.97
GYM & STORM SHELTER_Floor	Illuminance	Fc	12.10	16.8	5.8	2.90
OFFICE D117 3_Floor	Illuminance	Fc	13.25	21.3	5.6	3.80
RESTROOM D117 5_Floor	Illuminance	Fc	14.82	23.3	3.9	5.97
RESTROOM D117 5_Floor	Illuminance	Fc	15.22	29.8	4.4	6.77
STORAGE D117 2_Floor	Illuminance	Fc	9.39	17.1	3.2	5.34
VEST D116_Floor	Illuminance	Fc	14.11	19.0	9.1	2.09

Luminaire Schedule				
Symbol	Qty	Label	Arrangement	Description
⊕	9	6F15G	Single	EVO6 40_15 AR WD LSS
⊕	4	D4G	Single	FEM L48 4000LM IMAFL MD 40K 80CRI
•	1	B5G	Single	2BLT4 48L ADP LP840
•	1	B4G	Single	2BLT4 40L ADP LP840
•	5	G24G	Single	JHBL 24000LM ACL WD 40K 80CRI

1 STORM SHELTER PHOTOMETRICS - LEVEL ONE - SEGMENT D
1/8" = 1'-0"



Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
EQUIPMENT PLATFORM D117_6_Floor	Illuminance	Fc	11.62	18.4	5.0	3.68

Luminaire Schedule				
Symbol	Qty	Label	Arrangement	Description
⊕	6	D4G	Single	FEM L48 4000LM IMAFL MD 40K 80CRI

2 STORM SHELTER PHOTOMETRICS - LEVEL TWO - EQUIPMENT PLATFORM
1/8" = 1'-0"

Count

G24G

5EA

6F15G

9EA

B5G

1EA

D4G

10EA

B4G

1EA

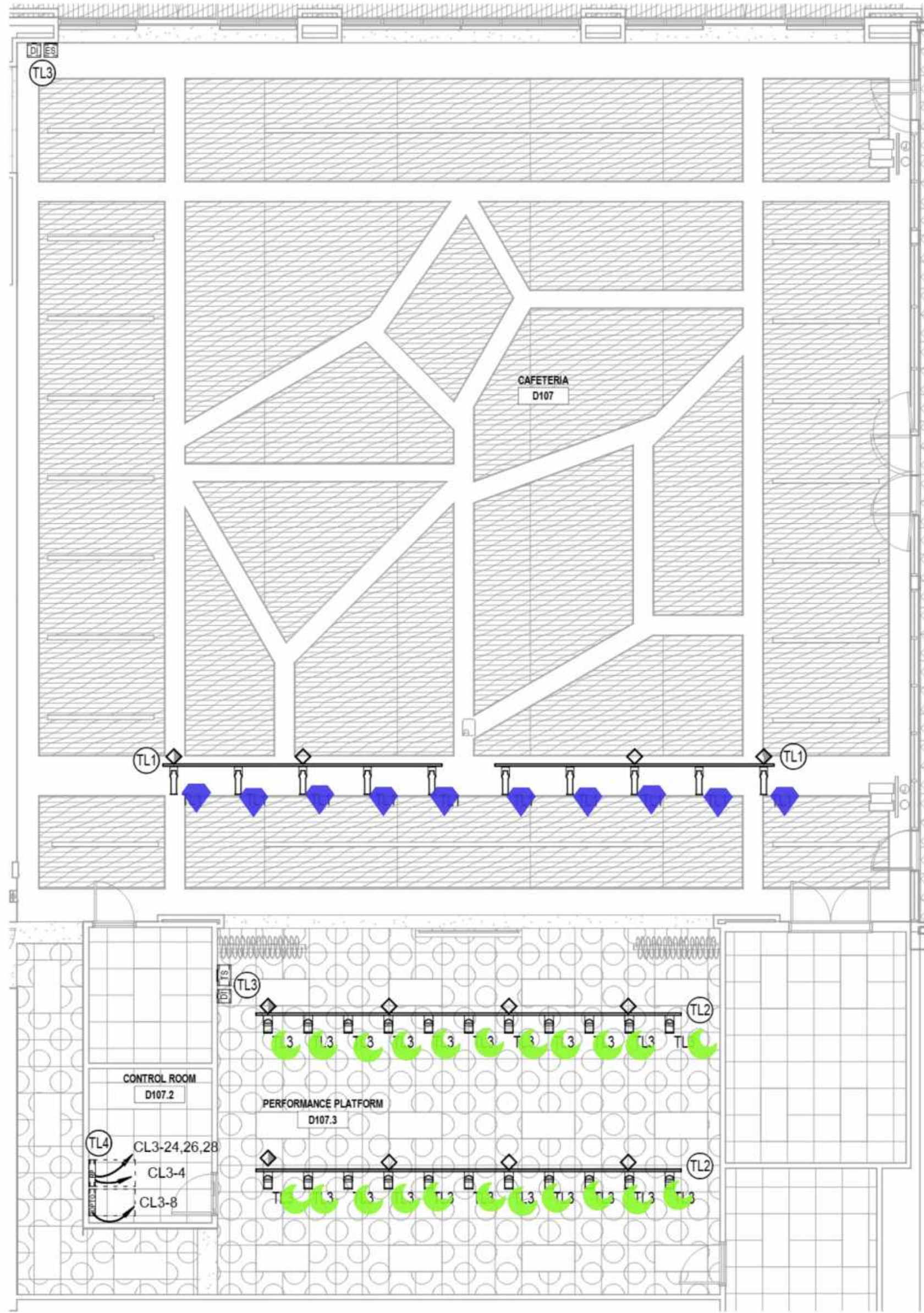
THEATRICAL LUMINAIRE SCHEDULE: RED OAK ISD - NEW ES						Stephanie D - (903) 581-2677
Theatrical Lighting and Controls Requirements: *** Special Notes: ***						sdunlap@emaengineer.com
						EMA Project #1 082 0969 009
Emergency Lighting Integration Requirements:						
Comments Key: DMX- DMX Control,						
Type	Description	Luminaire Equivalents	Delivered Lumens	Comments	Volts	Watts Max
TL1	RGBL LED Ellipsoidal, Pipe Mounted, with 25°-50° Manual Zoom Lens, C-Clamp, Safety Cable, Twist-Lock Connector, 5ft. PowerCON-to-PowerCON Connector, 5ft. 5-Pin DMX Cable, Color: Black	ETC ColorSource Spot Jr, Vari-Lite VL600 Acclaim ZoomSpot, No Equal, No Equal	4000	DMX	120V	170
TL3	RGB LED PAR, Pipe Mounted, with Manual Zoom Lens, C-Clamp, Safety Cable, Twist-Lock Connector, 10ft. True1-to-True1 Power Connector, 10ft. 5-Pin DMX Cable, Color: Black	ETC ColorSource PAR V Zoom, Vari-Lite VL800 EventPAR RGBA, No Equal, No Equal	3200	DMX	120V	360
ZZ	END OF SCHEDULE, , with , Color:					

THEATRICAL LIGHTING GENERAL NOTES

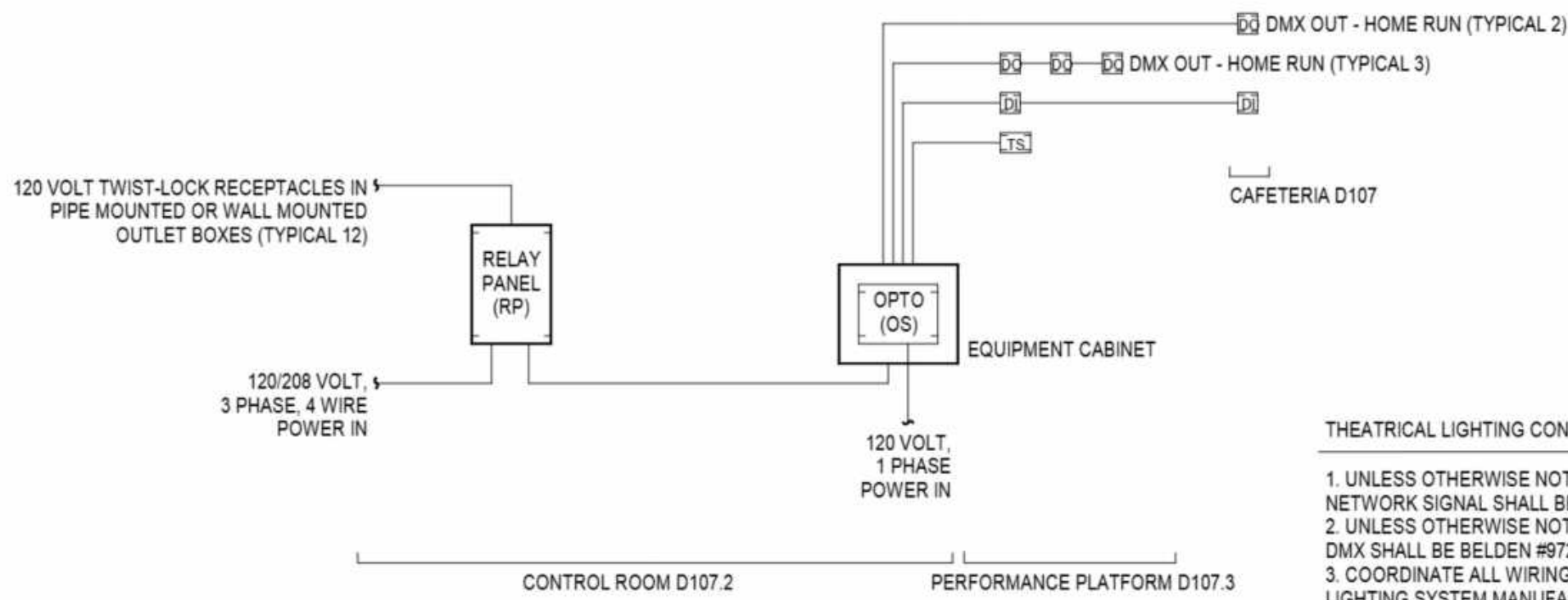
- SEE SHEET EL07-01 FOR GENERAL NOTES AND PLAN NOTES APPLICABLE TO THE ENTIRE DRAWING SET.
- PROVIDE DMX-512 WIRE CONSISTING OF 18-20 GAUGE 2-TWISTED PAIR WITH GROUND IN SHIELDED CABLE.
- REFER TO SPECIFICATIONS, THEATRICAL LUMINAIRE SCHEDULE AND THEATRICAL CONTROL VOLTAGE RISER DIAGRAM FOR ADDITIONAL REQUIREMENTS AND MORE INFORMATION.
- FOR SYSTEMS WITH MORE THAN ONE DMX-IN, PROVIDE ALL NECESSARY EQUIPMENT FOR DMX MANAGEMENT.
- NOT ALL EQUIPMENT HAS BEEN SHOWN. PROVIDE ALL NECESSARY EQUIPMENT FOR A COMPLETE AND WORKING SYSTEM.
- CONTRACTOR SHALL BE OR EMPLOY THE SERVICES OF AN AUTHORIZED MANUFACTURER INTEGRATOR FOR INSTALLATION AND COMMISSIONING OF SPECIFIED THEATRICAL EQUIPMENT.

THEATRICAL LIGHTING PLAN NOTES

- TL1 PROVIDE 21'-0" SCHEDULE 40, 1-1/2" INSIDE DIAMETER BLACK PIPE, IN LOCATION DESIGNATED BY ARCHITECTURAL DRAWINGS FOR CONCEALMENT OF LIGHTING. INSTALL TOP OF BLACK PIPE 8" BELOW CEILING.
- TL2 PROVIDE 32'-0" SCHEDULE 40, 1-1/2" INSIDE DIAMETER BLACK PIPE. INSTALL TOP OF BLACK PIPE 8" BELOW CEILING.
- TL3 PROVIDE LOCKING COVER.
- TL4 PROVIDE A 12-CIRCUIT, MAINS-FEED RELAY PANEL WITH TWELVE 20 AMP FULLY-RATED RELAYS.



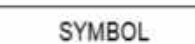
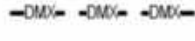
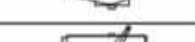
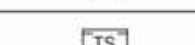
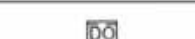
1 THEATRICAL LIGHTING ENLARGED VIEW - SEGMENT D
1/8" = 1'-0"



- THEATRICAL LIGHTING CONTROL VOLTAGE RISER GENERAL NOTES:
- UNLESS OTHERWISE NOTED, ALL CONTROL VOLTAGE WIRE FOR NETWORK SIGNAL SHALL BE BELDEN #1833A OR BETTER.
 - UNLESS OTHERWISE NOTED, ALL CONTROL VOLTAGE WIRE FOR DMX SHALL BE BELDEN #1729 OR BETTER.
 - COORDINATE ALL WIRING REQUIREMENTS WITH THEATRICAL LIGHTING SYSTEM MANUFACTURER BEFORE INSTALLATION.

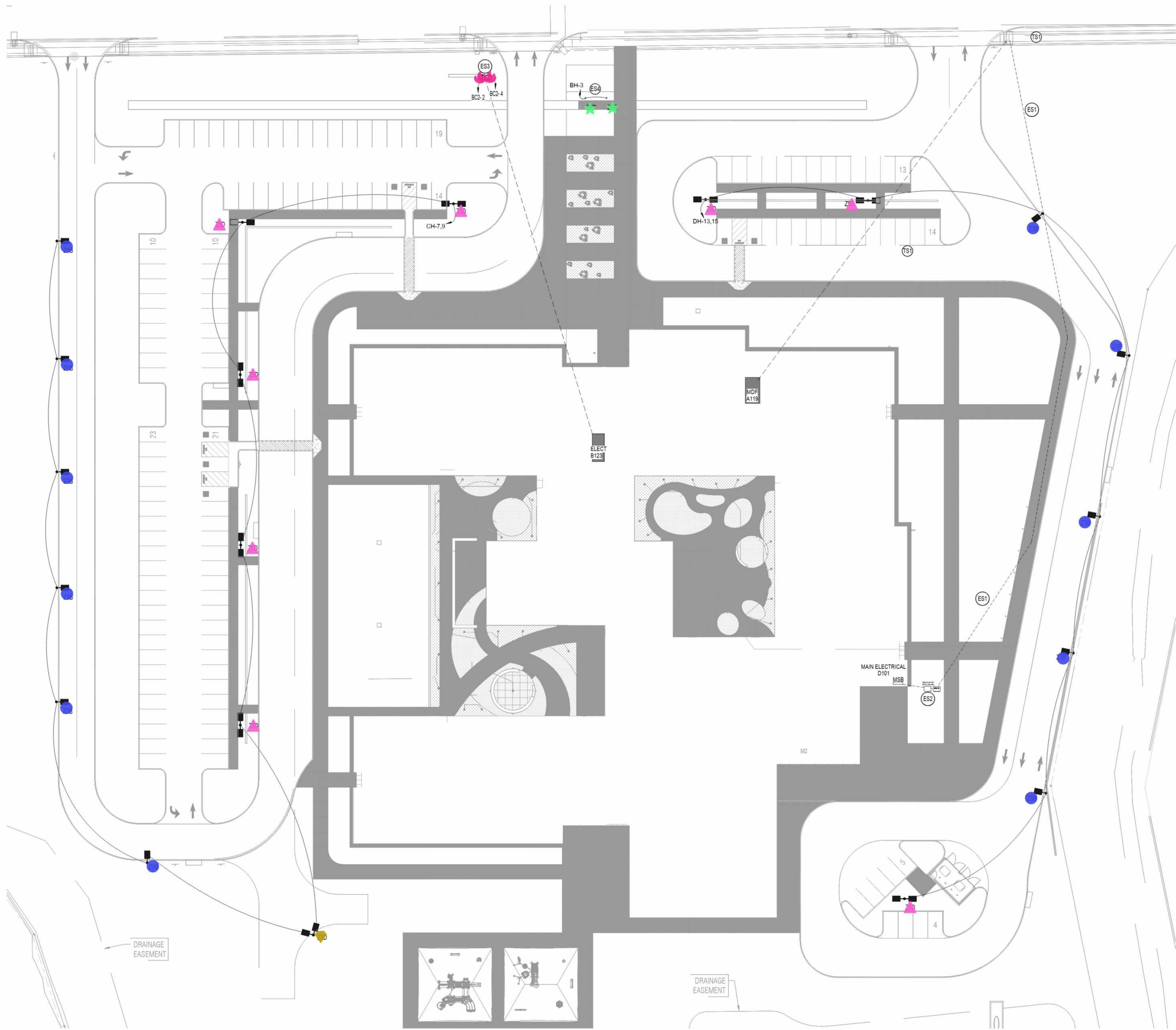
2 THEATRICAL LIGHTING SYSTEM CONTROL VOLTAGE RISER DIAGRAM
N.T.S.

ELECTRICAL LEGEND - THEATRICAL LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
	BRANCH CIRCUIT - CONDUIT IN WALL or ABOVE CEILING. INDICATES DEVICES AND EQUIPMENT ON A CIRCUIT. NOT INTENDED TO SHOW ROUTING
	DMX WIRE / DMX CIRCUIT, TYPICAL CONTROL PER SPACE
	SWITCH WIRE / SWITCH CIRCUIT, TYPICAL CONTROL PER SPACE
	ARROW INDICATES HOMERUN. TEXT INDICATES PANEL AND CIRCUIT
	ELLIPSOIDAL LUMINAIRE, SEE THEATRICAL LUMINAIRE SCHEDULE & SPECS, LETTER INDICATES TYPE
	PAR LUMINAIRE, SEE THEATRICAL LUMINAIRE SCHEDULE & SPECS, LETTER INDICATES TYPE
	FRESNEL LUMINAIRE, SEE THEATRICAL LUMINAIRE SCHEDULE & SPECS, LETTER INDICATES TYPE
	WORK LIGHT LUMINAIRE, SEE THEATRICAL LUMINAIRE SCHEDULE & SPECS, LETTER INDICATES TYPE
	BAR LUMINAIRE, SEE THEATRICAL LUMINAIRE SCHEDULE & SPECS, LETTER INDICATES TYPE
	MOVER LUMINAIRE, SEE THEATRICAL LUMINAIRE SCHEDULE & SPECS, LETTER INDICATES TYPE
	FOLLOW SPOT LUMINAIRE, SEE THEATRICAL LUMINAIRE SCHEDULE & SPECS, LETTER INDICATES TYPE
	ARCHITECTURAL CONTROL TO DMX INTERFACE AND 8-WAY DMX OPTOSPLITTER(S)
	MAINS-FEED RELAY PANEL WITH 20 AMP RATED RELAYS - REFER TO DRAWINGS FOR PANEL SIZE AND RELAY QTY
	8-BUTTON ENTRY STATION MOUNTED AT 44" A.F.F. UNLESS OTHERWISE NOTED
	10\" data-bbox="15 1415 115 1445"/>
	DMX-IN 5-PIN OUTLET PIPE MOUNTED OR WALL MOUNTED AT 18\" data-bbox="15 1515 115 1545"/>
	DMX-OUT 5-PIN OUTLET PIPE MOUNTED OR WALL MOUNTED AT 18\" data-bbox="15 1615 115 1645"/>
	PIPE MOUNTED OUTLET BOX WITH ONE 20 AMP TWIST-LOCK CONNECTOR. CIRCUIT TO ONE 20 AMP RELAY IN RELAY PANEL WITH #12 WIRE.
	PIPE MOUNTED OUTLET BOX WITH ONE 20 AMP TWIST-LOCK CONNECTOR AND ONE DMX-OUT OUTLET. CIRCUIT TO ONE 20 AMP RELAY IN RELAY PANEL WITH #12 WIRE.
SCHEDULE 40, 1-1/2\" data-bbox="15 1915 115 1945"/>	

- NOTES:
- SOME SYMBOLS MAY NOT BE USED.
 - ACCESSIBLE DEVICES HIGHEST OPERABLE PART TO BE 48" MAXIMUM/18" MINIMUM A.F.F. - REFER TO ELECTRICAL DETAILS AND ARCHITECTURAL DRAWINGS.
 - DIMENSIONS GIVEN A.F.F. ARE TO BOTTOM OF BOX.

3/18/2026 4:35:50 PM ES01-01 ELECTRICAL SITE PLAN



1 ELECTRICAL SITE PLAN
1" = 30'-0"

ELECTRICAL SITE PLAN GENERAL NOTES

1. CONTRACTORS AND SUBCONTRACTORS SHALL VERIFY LOCATION, CONDUCT TEST AND INSPECTIONS, COORDINATE WITH UTILITIES, OWNER'S REPRESENTATIVES, AND CHECK FOR ALL UNDERGROUND UTILITIES AND LINES BEFORE DITCHING TAKES PLACE. CONTRACTOR AND SUBCONTRACTORS PERFORMING THESE DUTIES SHALL BE RESPONSIBLE FOR ANY REPAIRS OF CUT OR DAMAGED LINES AND UTILITIES NOT SHOWN ON PLANS.
2. PROVIDE SEPARATE CONTRACTORS FOR INDEPENDENT CONTROL OF EXTERIOR LIGHTING GROUPS PER LIGHTING CONTROL DETAIL.

ELECTRICAL SITE PLAN NOTES

- ES1 PROVIDE AND RUN UNDERGROUND TWO 4" CONDUITS FROM UTILITY TRANSFORMER TO ELECTRICAL SERVICE AT THE STREET. PROPOSED LOCATION IS SHOWN. VERIFY AND COORDINATE EXACT LOCATION AND ROUTING WITH UTILITY PROVIDER.
- ES2 PROVIDE AND ROUTE UNDERGROUND SERVICE CONDUCTORS FROM UTILITY TRANSFORMER LOAD SIDE TO SECONDARY ENCLOSURE. PROVIDE AND ROUTE UNDERGROUND SERVICE CONDUCTORS FROM SECONDARY ENCLOSURE TO ELECTRICAL SERVICE DISCONNECT(S). REFER TO RISER DIAGRAM FOR MORE INFORMATION.
- ES3 PROVIDE AND RUN UNDERGROUND TWO 2" CONDUIT FROM ELECTRICAL ROOM TO MARQUEE/SIGN FOR POWER AND LIGHTS. CAP AND MARK CONDUIT.
- ES4 FLAG POLE. REFER TO FLAG POLE DETAIL.

TECHNOLOGY SITE PLAN NOTES

- (TS) PROVIDE FOUR 4" CONDUITS EXTENDING FROM OVERHEAD UTILITY POLE, UNDERGROUND, AND STUBBED UP IN MDF A119 FOR COMMUNICATION SERVICE ENTRY INTO THE BUILDING. COORDINATE WITH ARCHITECT FOR EXACT LOCATION AND ROUTING OF CONDUITS PRIOR TO CONSTRUCTION.

● Count
● Z3B 11EA ▲ Z5D 8EA ★ ZFP 2EA ◆ Z3D 1EA 🔥 Junction Box 2EA