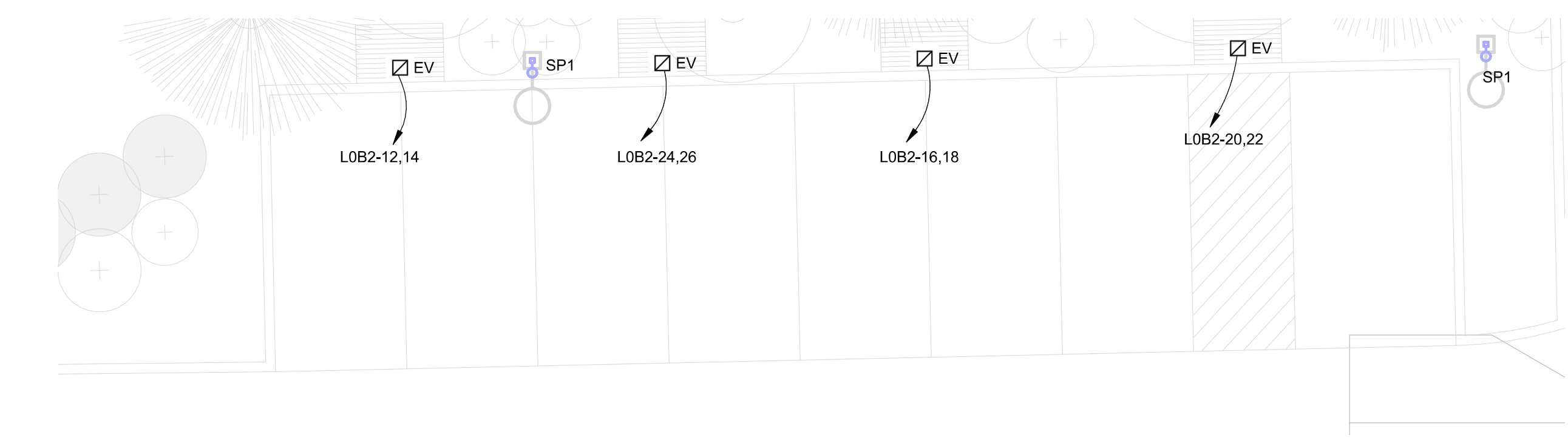
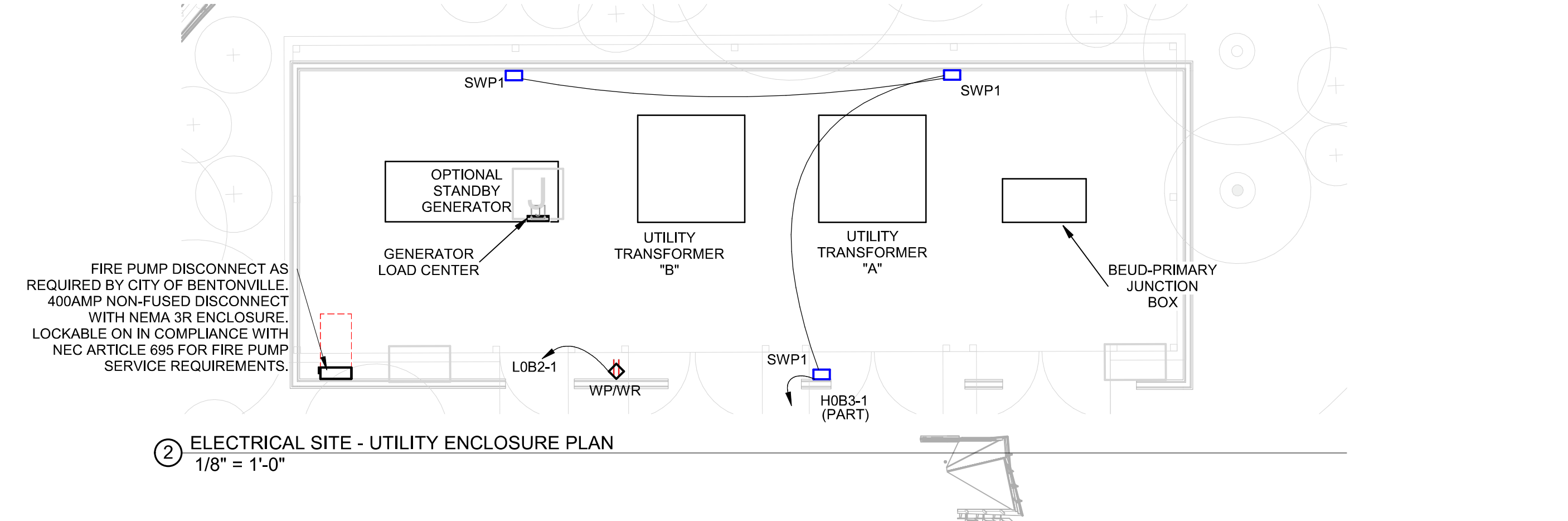


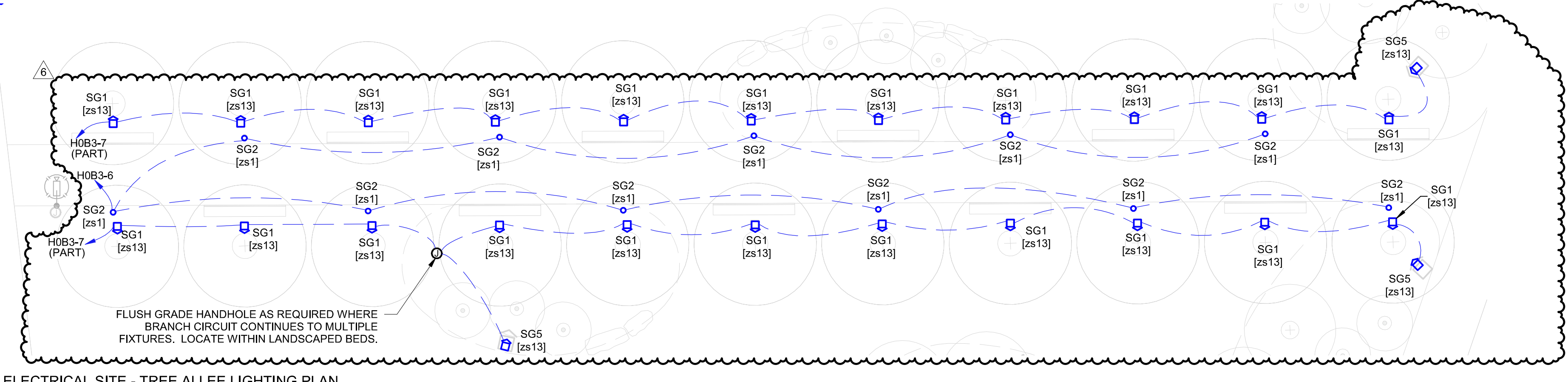
ELECTRICAL PLAN NOTES:
E35 COORDINATE EXACT POLE LOCATION WITH WIRELESS ACCESS POINT POLE WITH TELECOMMUNICATION PLANS. PROVIDE 16FT TALL ROUND ALUMINUM POLE - BSCA MODEL 180H21 BLACK FINISH WITH STANDARD BASE COVER. PROVIDE WITH EXTRA HAND HOLE AT 150" AFF FOR INSTALLATION OF ACCESS POINT.
E39 INSTALL JUNCTION BOX FOR FUTURE MONUMENT SIGN. COORDINATE FINAL LOCATION WITH OWNER.



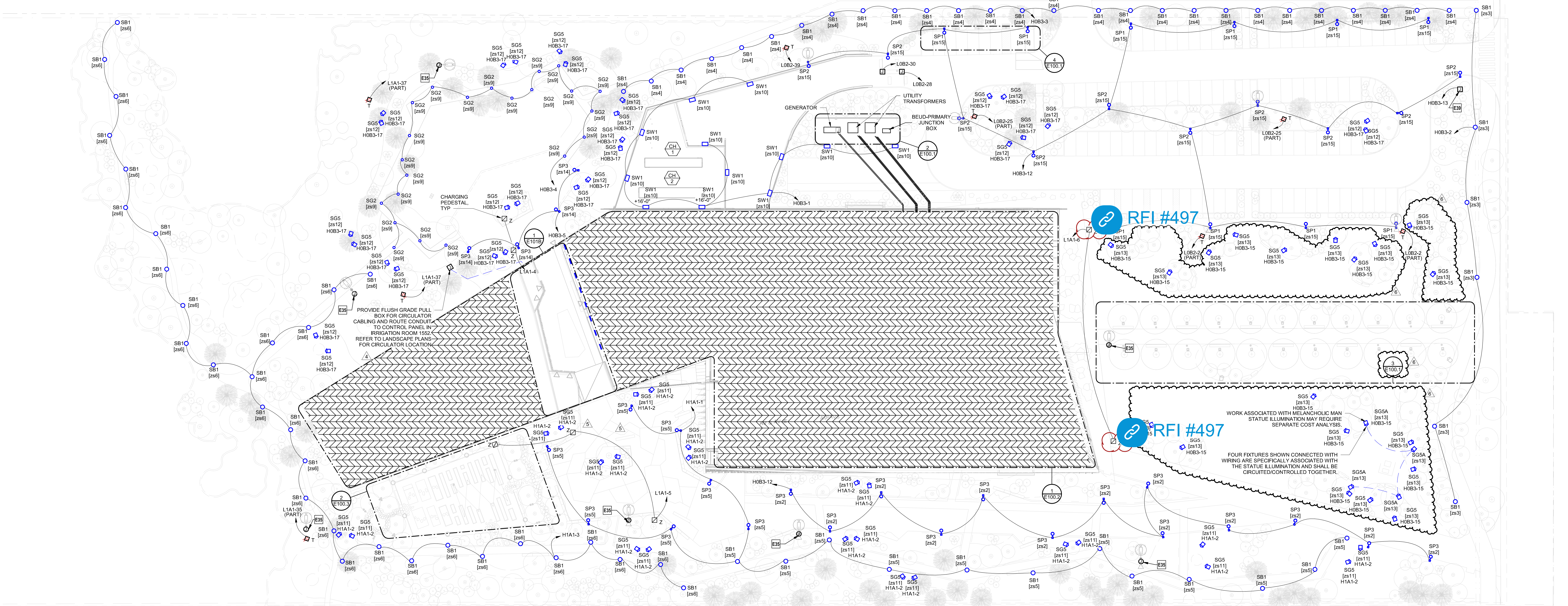
4 ELECTRICAL SITE - EV CHARGING PLAN
1/8" = 1'-0"



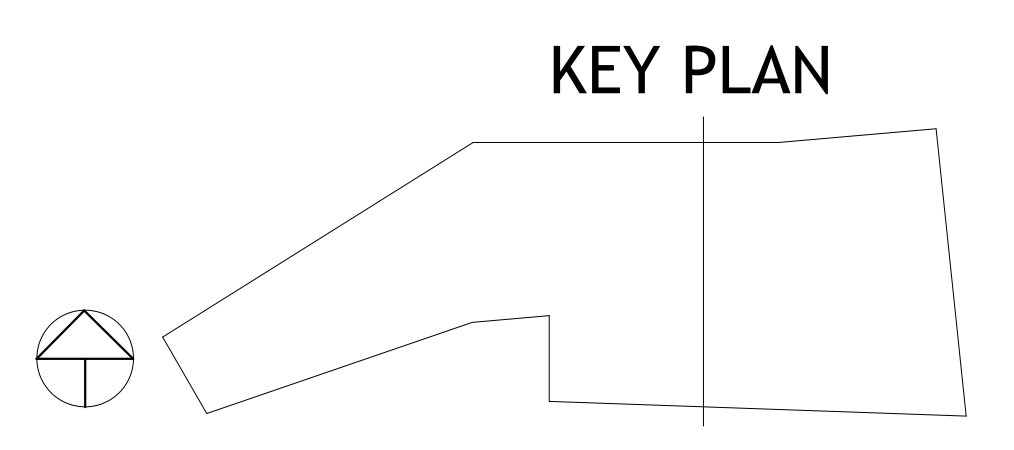
2 ELECTRICAL SITE - UTILITY ENCLOSURE PLAN
1/8" = 1'-0"



3 ELECTRICAL SITE - TREE ALLEE LIGHTING PLAN
1/16" = 1'-0"



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



PSW Job Number:
993A
Henderson Job Number:
2150002607

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 185598
08/02/2024

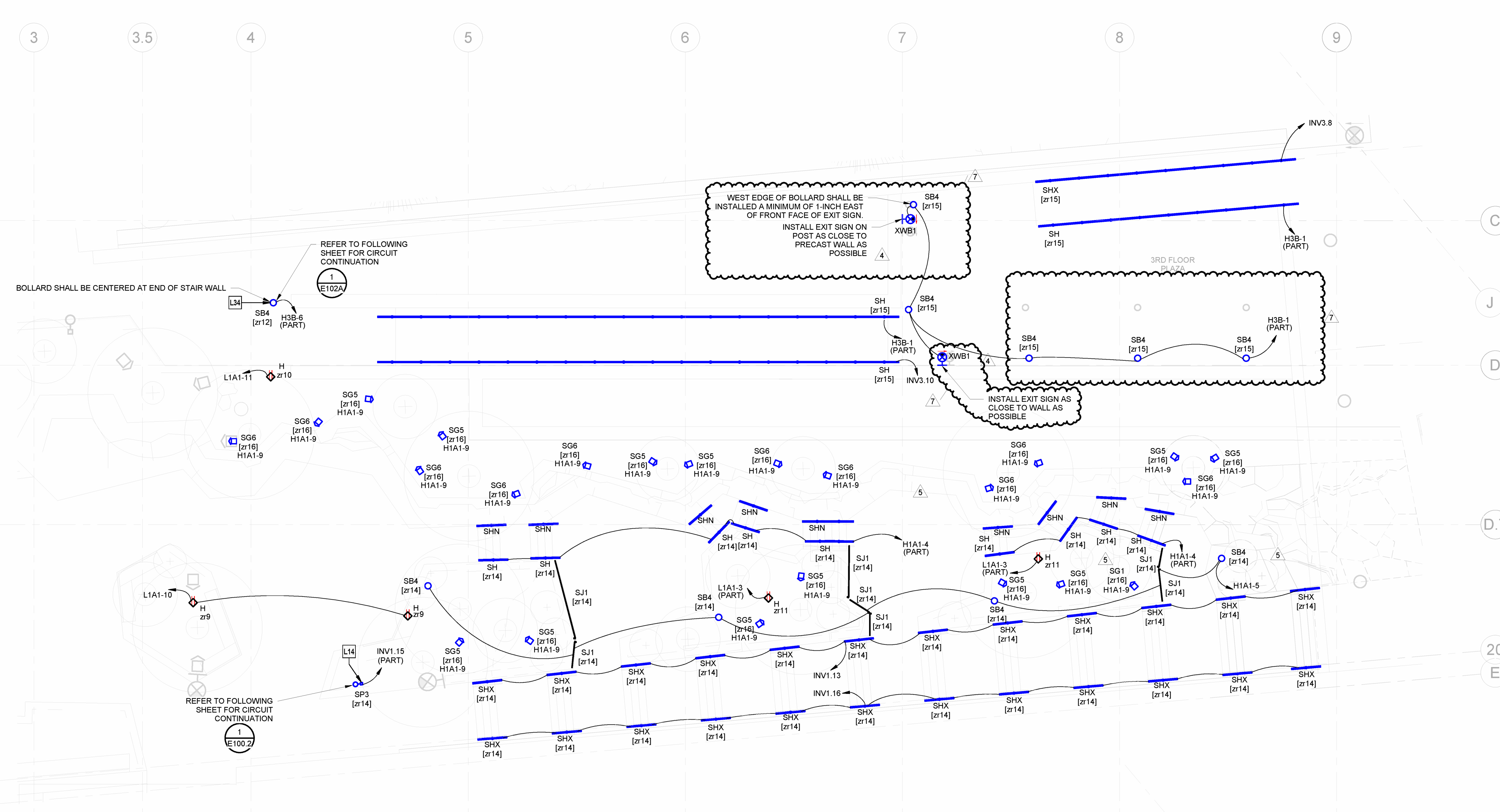
AWSOM
Bentonville, AR

Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/15/23	ADDendum 1
2	06/23/23	ADDendum 2
3	11/13/23	PR-024
4	05/24/24	PR-024
5	06/24/24	PR-025
6	08/24/24	PR-022

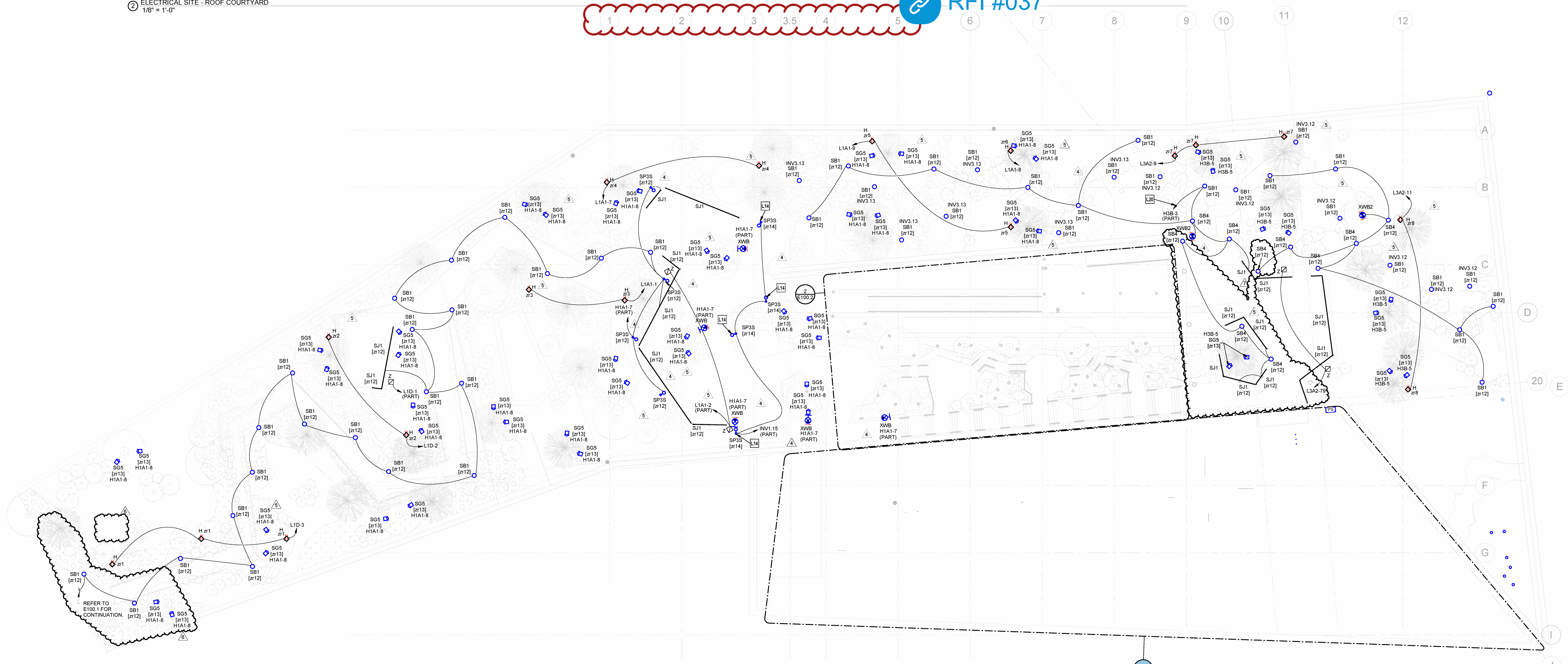
Contents:
ELECTRICAL SITE PLAN

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E100.1



2 ELECTRICAL SITE - ROOF COURTYARD
1/8" = 1'-0"

RFI #037



1 ELECTRICAL SITE PLAN - ROOF
1/16" = 1'-0"

- ELECTRICAL PLAN NOTES:**
- L14 LIGHT FIXTURE SHALL BE UTILIZED FOR EMERGENCY EGRESS AND POWERED THROUGH REMOTE BATTERY INVERTER. FIXTURE SHALL BE NORMALLY CONTROLLED WITH CONTROL ZONE INDICATED.
 - L20 PROVIDE UNCONTROLLED HOT TO ALL EXTERIOR EMERGENCY LIGHTING FIXTURES.
 - L34 FIXTURE PROVIDE WITH INTEGRAL EMERGENCY BATTERY AND SHALL BE PROVIDED WITH UNCONTROLLED HOT FOR CIRCUIT SENSING.

PSW Job Number:
993A
Henderson Job Number:
2150002607

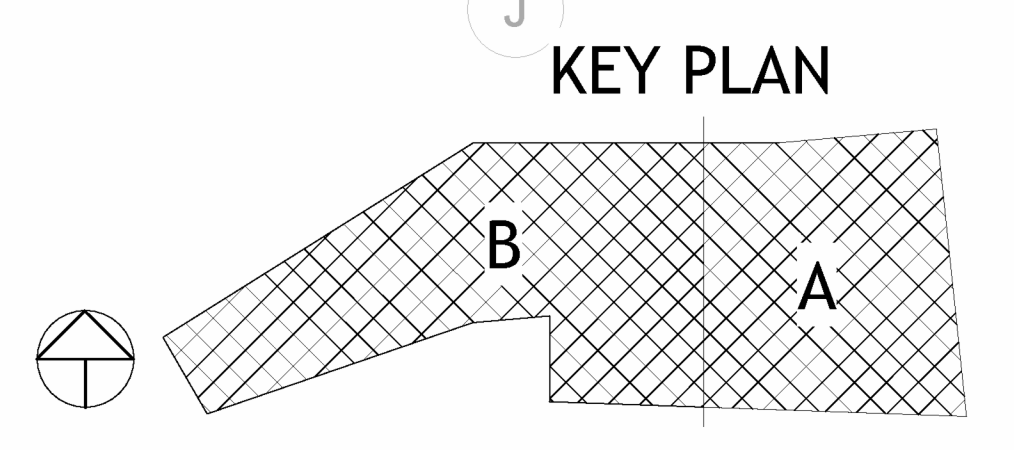


AWSOM
Bentonville, AR

Issue Date:
02.24.2023

NUMBER	DATE	DESCRIPTION
1	03/23/23	Approval 1
2	05/02/23	Approval 2
3	07/27/23	PROCES
4	08/02/24	PROCES
5	08/04/24	PROCES
6	08/26/24	PROCES
7	08/29/24	ASBOS

Contents:
ELECTRICAL SITE PLAN - ROOF



ELECTRICAL PLAN NOTES:
 L36 PROVIDE POLE TYPE (A) WITH POWER FEED AS INDICATED IN DETAIL 3-E100.3 FOR CATENARY SUPPORT DETAIL.
 L37 PROVIDE POLE TYPE (B) WITHOUT POWER FEED AS INDICATED IN DETAIL 3-E100.3 FOR CATENARY SUPPORT DETAIL.

POLK STANLEY WILCOX
 801 South Spring Street
 Little Rock, AR 72201
 501.378.0878 office
 509 W. Spring St., Suite 150
 Fayetteville, AR 72701
 479.444.0633 office
 polkstanleywilcox.com

CIVIL
McClelland Consulting Engineers, Inc.
 1386 E STEARNS ST
 FAYETTEVILLE, AR 72703
 P: 479.443.2377

LANDSCAPE
OSD
 115 ST. JOHNS PLACE
 BROOKLYN, NY 11217
 P: 917.553.5986

STRUCTURAL
Martin Consulting Engineers
 508 SOUTH WALTON BLVD., STE 107
 BENTONVILLE, AR 72712
 P: 479.493.9945

MEPF + LOW VOLTAGE
Henderson Engineers
 1340 LENEZA DRIVE, STE 300
 LENOXA, KS 66214
 P: 913.606.8187

SUSTAINABILITY
SOM
 224 SOUTH MICHIGAN AVENUE
 CHICAGO, IL 60604
 P: 312.362.4121

SIGNAGE + WAYFINDING
TWO TWELVE
 236 W. 27th ST., SUITE 802
 NEW YORK, NY 10001
 P: 212.254.9870

FOOD SERVICE
JMS HOSPITALITY
 866 SIX PINES DR., SUITE 8210
 THE WOODLANDS, TX 77380
 P: 681.841.2222

WATER FEATURES
OTL
 2150 S. TOWNE CENTER, SUITE 100
 ANAHEIM, CA 92806
 P: 714.637.4747

IRRIGATION
WC3 DESIGN
 11A ROBINSON MANOR BLVD.
 ROCKESIDE, PA 14135
 P: 844.231.7042

PSW Job Number:
993A
 Henderson Job Number:
2150002607

ARIZONA
 LICENSED PROFESSIONAL ENGINEER
 No. 18598
 April L. Helling
 04/25/2024

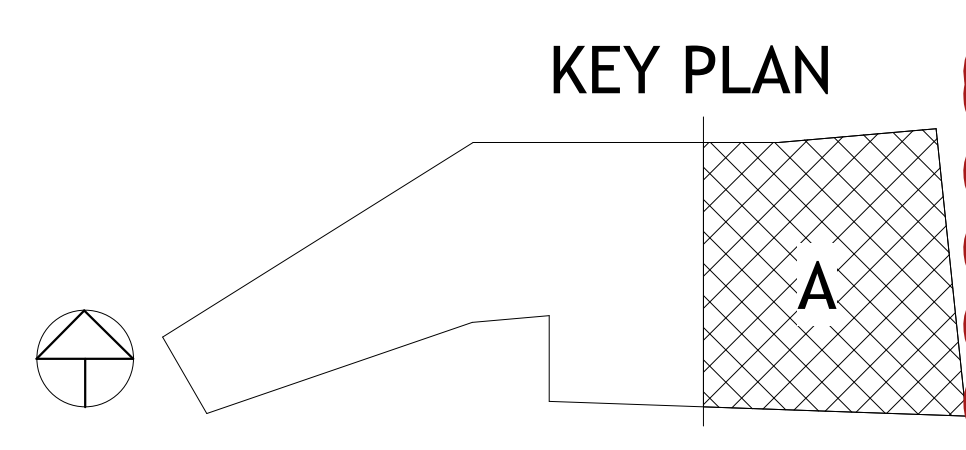
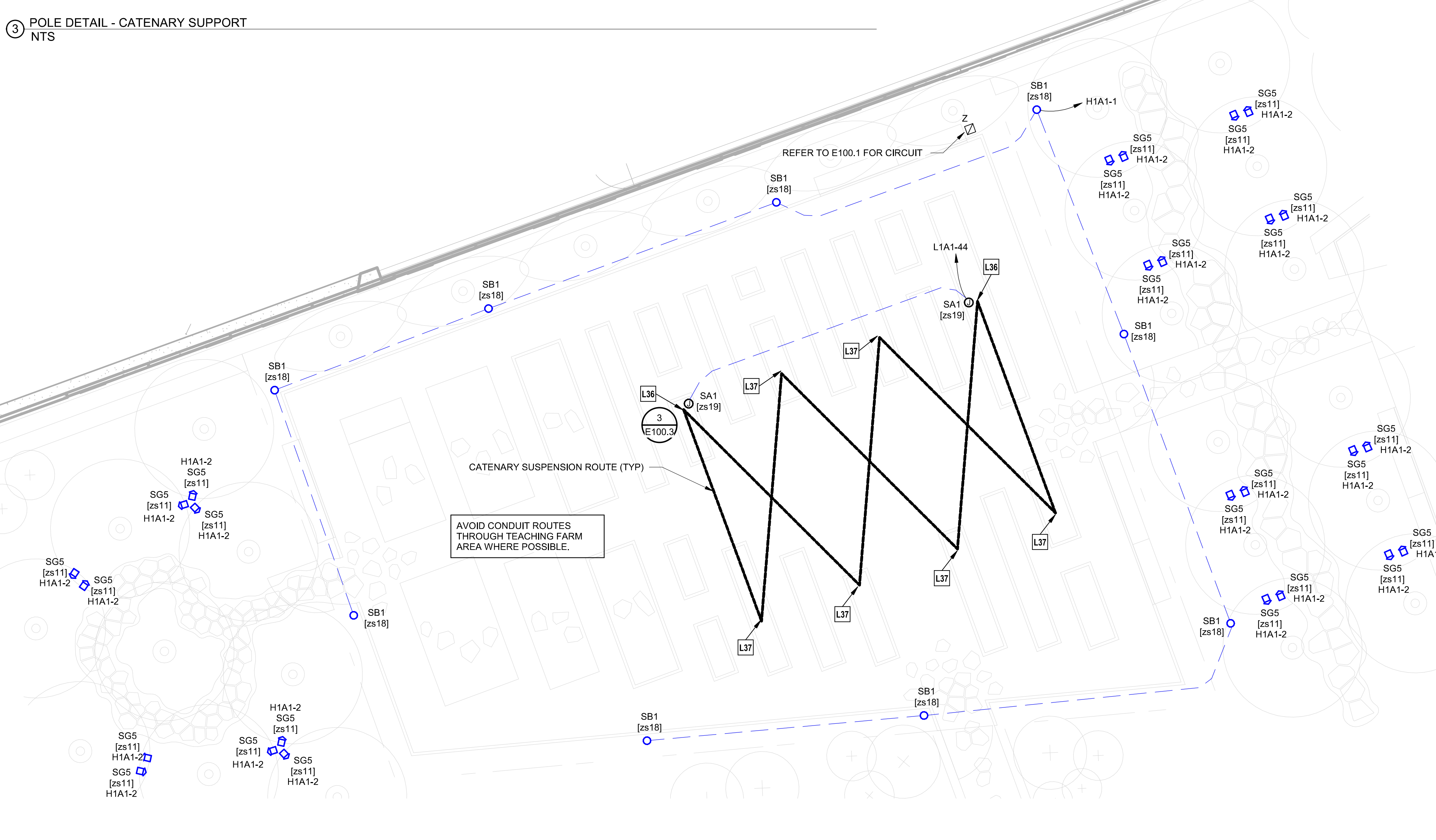
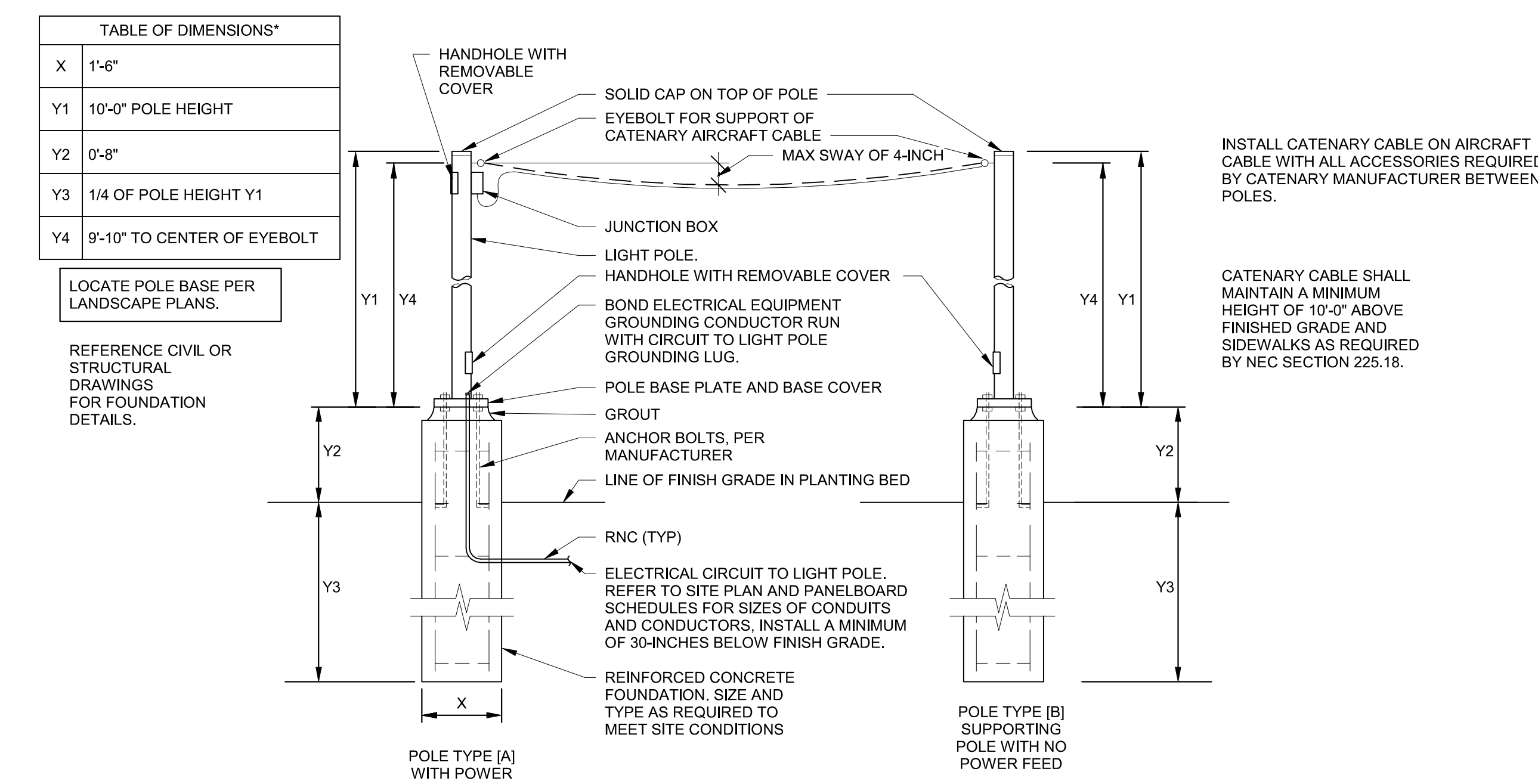
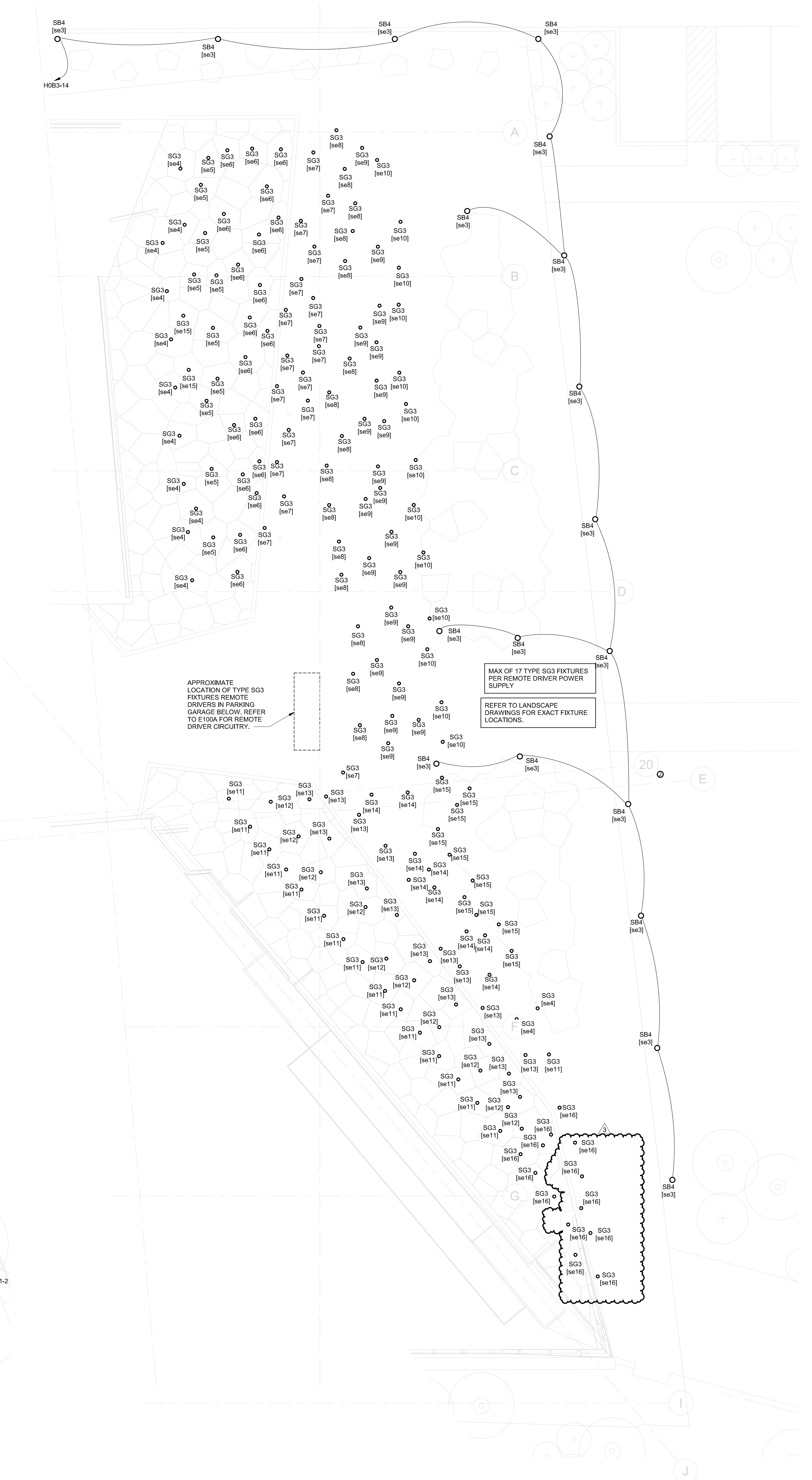
AWSOM
 Bentonville, AR

Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/13/23	ADDENDUM 1
2	06/29/23	ADDENDUM 2
3	04/20/24	ADDENDUM 3

Contents:
ENTRY LIGHTING PLAN

THIS PAGE IS BEST VIEWED IN COLOR
E100.3



2 ELECTRICAL SITE PLAN - TEACHING FARM
 1/8" = 1'-0"

1 ELECTRICAL ENTRY LIGHTING PLAN
 1/8" = 1'-0"

3 POLE DETAIL - CATENARY SUPPORT
 NTS

VIEW IS INDICATIVE OF LIGHT PATTERNS THAT WOULD BE VISIBLE ON THE GROUND FROM OVERHEAD



TYPE SB1
CRYSTAL BRIDGES
CAMPUS STANDARD
B1-U1-G1



TYPE SG1
LANDSCAPE ILLUMINATION ONLY



TYPE SG2
BOARDWALK PATHWAY B0-U2-G1



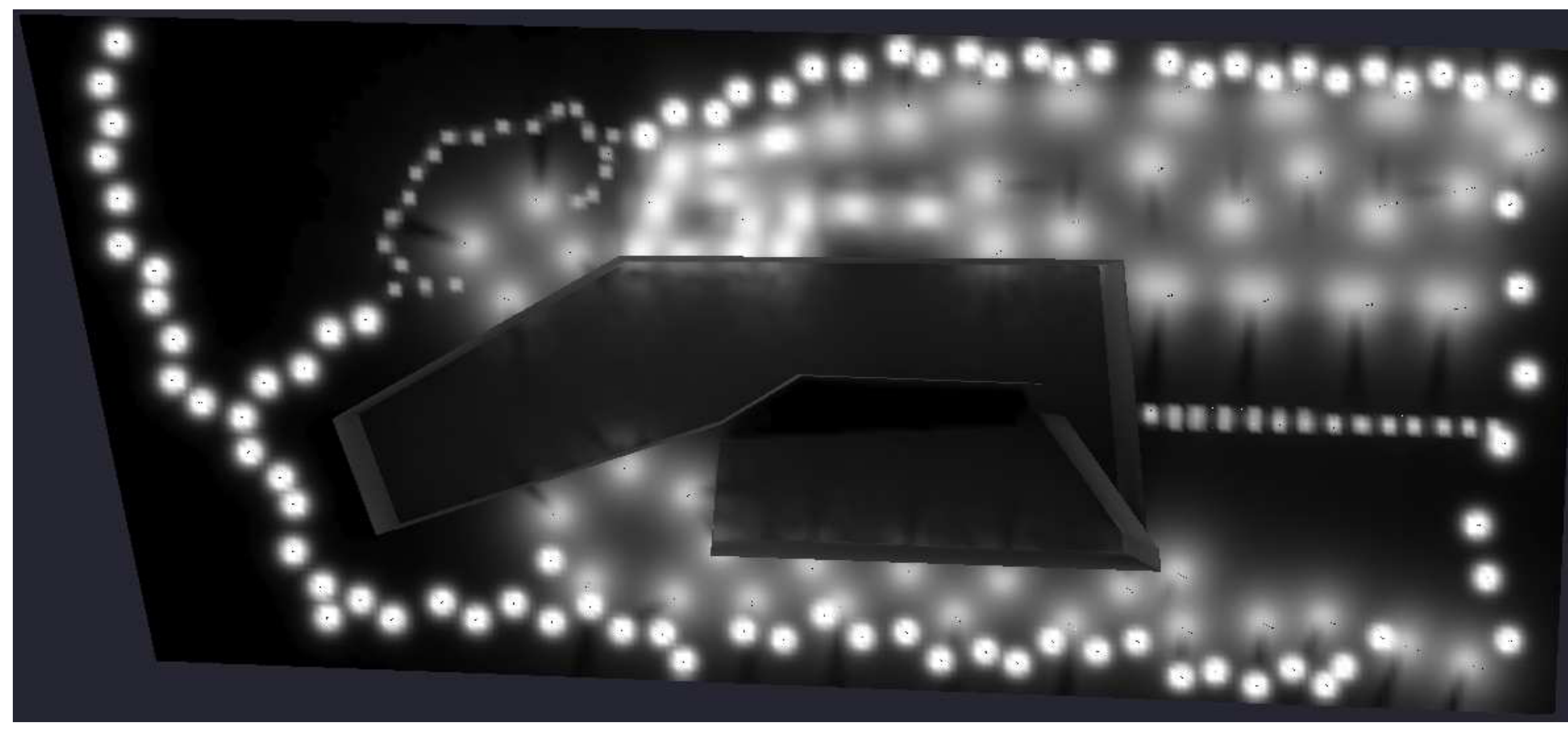
FIXTURE MOUNTED ON 20 FT TALL POLE WITH
CONCRETE BASE 4-INCHES ABOVE FINISH GRADE

TYPE SW1 B1-U0-G1

TYPE SP1/SP2 B1-U0-G1



TYPE SP3 B1-U0-G1

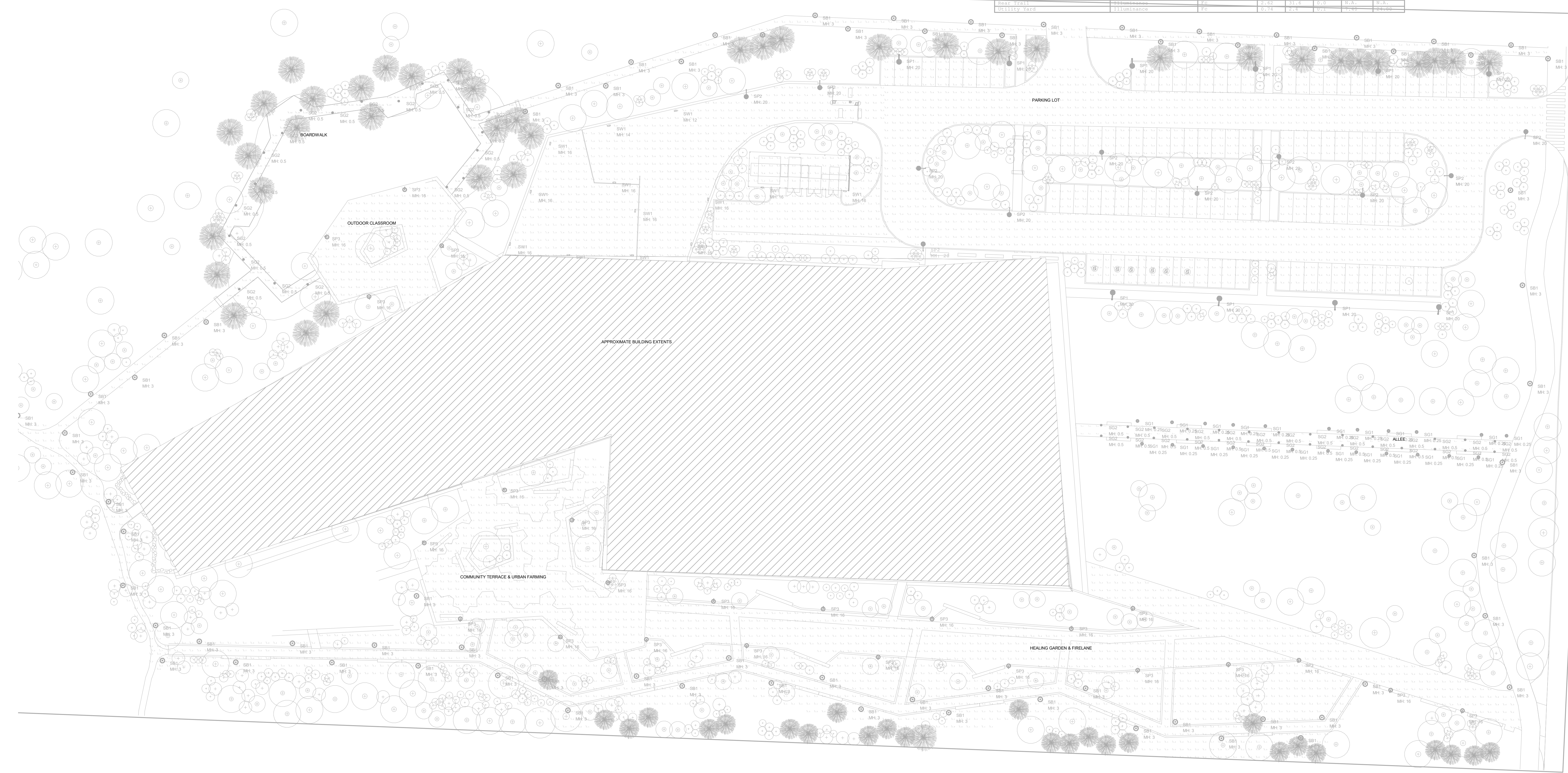


2 SITE LIGHTING PHOTOMETRIC RENDERING
NTS

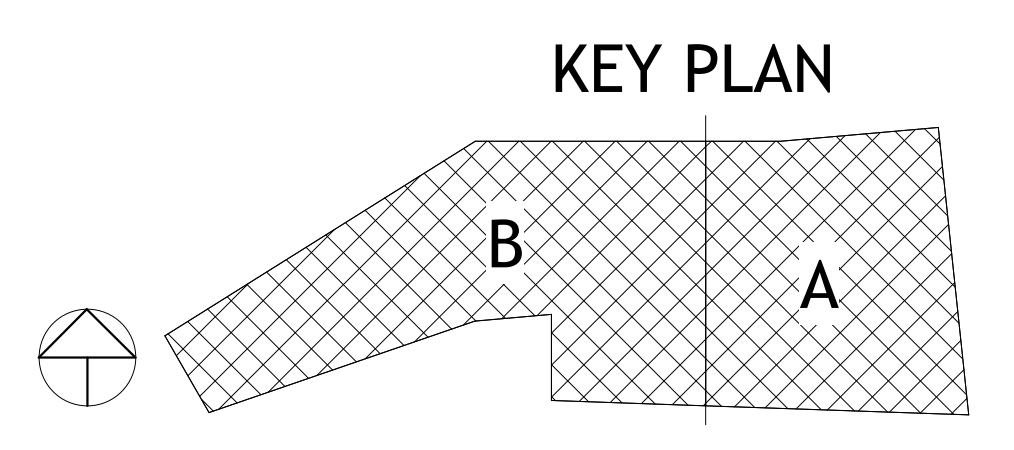
1 LIGHTING FIXTURE IMAGES
NO SCALE

Quantity	Symbol	Label	Manufacturer	Model Number	Watt	Description	Notes
100	SB1	CRYSTAL BRIDGES CAMPUS STANDARD B1-U1-G1	CRYSTAL BRIDGES	SB1	100W	10 FT TALL POLE SINGLE HEAD TYPE SF	SEE PLAN
10	SG1	LANDSCAPE ILLUMINATION ONLY	OSRAM	SG1	100W	REAR MOUNTED	SEE PLAN
10	SG2	BOARDWALK PATHWAY B0-U2-G1	OSRAM	SG2	100W	REAR MOUNTED	SEE PLAN
10	SP1	FIXTURE MOUNTED ON 20 FT TALL POLE WITH CONCRETE BASE 4-INCHES ABOVE FINISH GRADE	OSRAM	SP1	100W	REAR MOUNTED	SEE PLAN
10	SP2	FIXTURE MOUNTED ON 20 FT TALL POLE WITH CONCRETE BASE 4-INCHES ABOVE FINISH GRADE	OSRAM	SP2	100W	REAR MOUNTED	SEE PLAN
10	SP3	FIXTURE MOUNTED ON 20 FT TALL POLE WITH CONCRETE BASE 4-INCHES ABOVE FINISH GRADE	OSRAM	SP3	100W	REAR MOUNTED	SEE PLAN

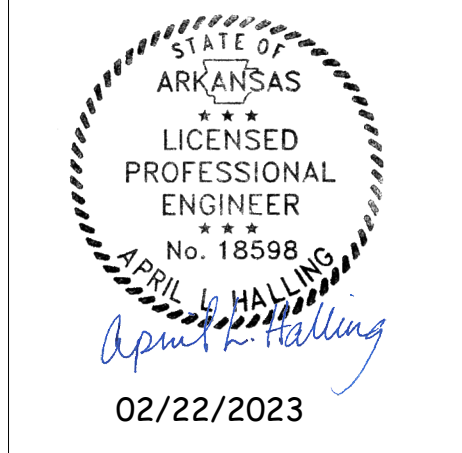
Category	Item	Quantity	Notes
Lighting	SB1	100	SEE PLAN
Lighting	SG1	10	SEE PLAN
Lighting	SG2	10	SEE PLAN
Lighting	SP1	10	SEE PLAN
Lighting	SP2	10	SEE PLAN
Lighting	SP3	10	SEE PLAN



1 SITE LIGHTING PHOTOMETRIC PLAN
1" = 30'-0"



PSW Job Number:
993A
Henderson Job Number:
2150002607



AWSOM
Bentonville, AR

Issue Date:
02.24.2023

NUMBER	DATE	DESCRIPTION

Contents:
SITE
PHOTOMETRIC
PLAN

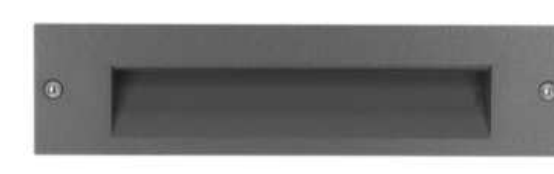
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E100.4



TYPE SB1
CRYSTAL BRIDGES
CAMPUS STANDARD
B1-U1-G1



TYPE SB4 - B1-U3-G1
ALTERNATE BOLLARD
TBD ON LEVEL 4 PLAZA



TYPE ST1



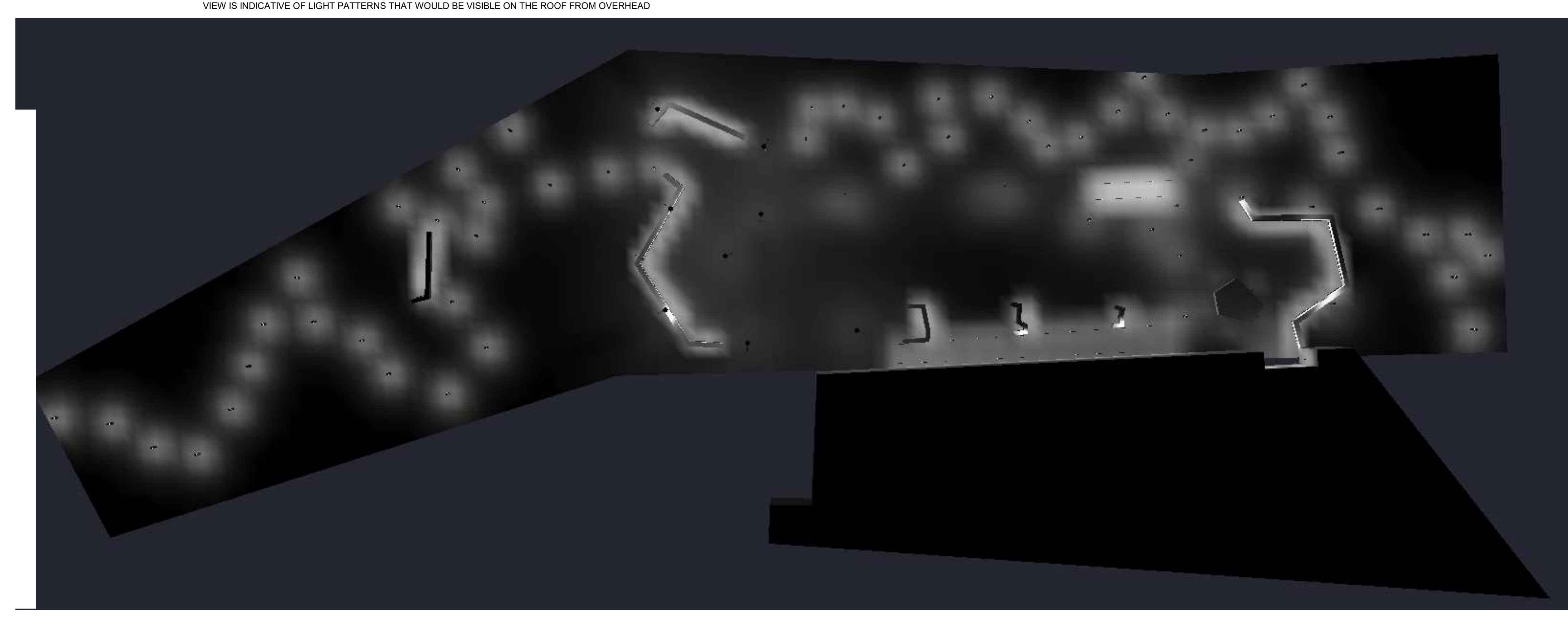
TYPE SP3 - B1-U0-G1



TYPE SH1 - UPLIGHT 0



TYPE SW1 - B1-U0-G1



1 SITE LIGHTING PHOTOMETRIC ROOF RENDERING
NTS

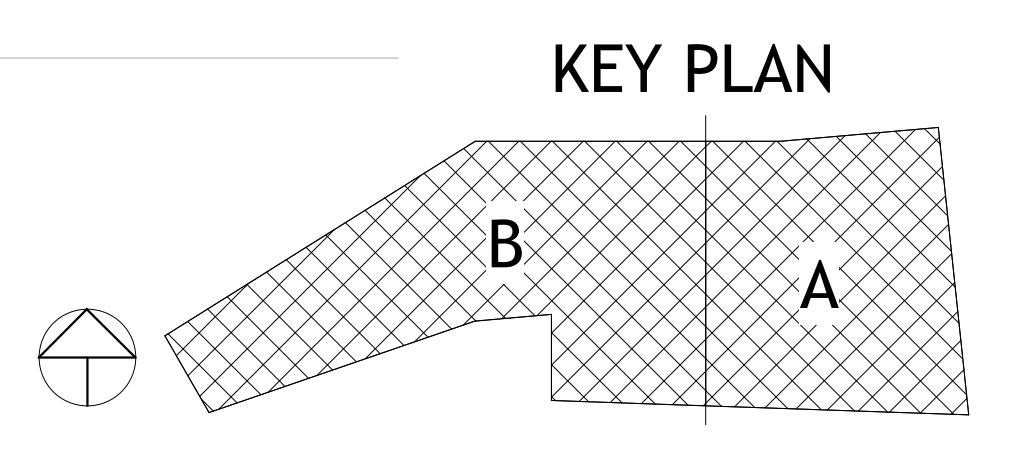
2 LIGHTING FIXTURE IMAGES-ROOF
NTS

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Outdoor Stair	Illuminance	FC	31.13	45.6	9.5	3.28	4.80
Roof	Illuminance	FC	2.00	164.0	0.0	N.A.	N.A.
Outdoor Stair	Illuminance	FC	31.13	45.6	9.5	3.28	4.80

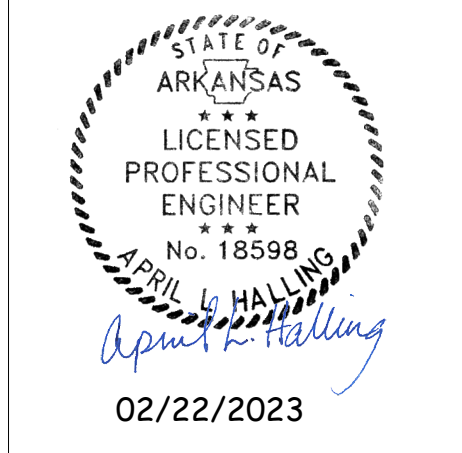
Symbol	Qty	Label	Arrangement	SLP	Description	Tag
○	49	#8261-BEGA-IES	SINGLE	0.300	Bega Nailhead Bollard	SB1
○	7	#7741-BEGA-IES-F14	SINGLE	0.300	Single Head Pole-Lower Mounting Hel	SB2
○	44	#V81340-BEGA-IES-F1.75 IN LE	SINGLE	0.300	Increased Handrail Height	SB3
○	3	#V809-120-740-73-xxx-S001-DIM-	SINGLE	0.300	Wallpack	SW1
○	5	#1034-BEGA-IES	SINGLE	0.300	Star Light	SB1
○	2	#DS-115-830-DIM-ONY-8M-OP-CS-	SINGLE	0.300	Square Downlight	SB1
○	7	#42444-BEGA-IES	SINGLE	0.300	Bega Entry Bollard	SB4
○	73	#P-03-00-64-241-2100x	SINGLE	1.000	Under bench Lighting	SB1



3 SITE LIGHTING PHOTOMETRIC ROOF PLAN
1" = 20'-0"



PSW Job Number:
993A
Henderson Job Number:
2150002607



AWSOM
Bentonville, AR

Issue Date:
02.24.2023

NUMBER	DATE	DESCRIPTION

Contents:
SITE
PHOTOMETRIC
ROOF PLAN

THIS PAGE IS BEST VIEWED IN COLOR
E100.5

GENERAL NOTES:
 1. REFER TO GENERAL NOTES ON SHEET E000.
 2. PROVIDE ALL LOW VOLTAGE CABLING AND NECESSARY RACEWAY TO SUPPORT CABLING FOR LIGHTING CONTROL SYSTEM. COORDINATE WITH LUTRON CONTROLS DRAWINGS FOR ALL REQUIREMENTS.

ELECTRICAL PLAN NOTES:
 L13 CIRCUIT LIGHTING FIXTURES IN ELEVATOR HOISTWAY TO ALL OTHER LIGHTING FIXTURES IN SAME ELEVATOR HOISTWAY AND SHOWN ON OTHER FLOOR LEVELS. 3-WAY SWITCH AT TOP AND BOTTOM OF HOISTWAY SHALL CONTROL ALL FIXTURES IN HOISTWAY. COORDINATE EXACT LIGHT FIXTURE AND SWITCH LOCATIONS WITH ELEVATOR MANUFACTURER. LIGHT FIXTURES MAY BE INSTALLED VERTICALLY AS NEEDED AT EACH LEVEL SHOWN.

POLK STANLEY WILCOX
 801 South Spring Street
 Little Rock, AR 72201
 501.378.0878 office
 509 W. Spring St. | Suite 150
 Fayetteville, AR 72701
 479.444.0923 office
 polkstanleywilcox.com

CIVIL
 McCalland Consulting Engineers, Inc.
 1380 E STEARNS ST
 FAYETTEVILLE, AR 72703
 P: 479.443.2377

LANDSCAPE
 OSD
 115 ST. JOHNS PLACE
 BROOKLYN, NY 11217
 P: 917.553.5886

STRUCTURAL
 Martin Martin Consulting Engineers
 8008 SOUTH WALTON BLVD., STE 27
 BENTONVILLE, AR 72712
 P: 479.493.9946

MEP - LOW VOLTAGE
 Henderson Engineers
 8340 LENSEA DRIVE, STE 300
 LENOXA, GA 30214
 P: 913.660.8187

SUSTAINABILITY
 SOM
 224 SOUTH MICHIGAN AVENUE
 CHICAGO, IL 60604
 P: 312.362.4121

SIGNAGE - WAYFINDING
 TWO TWELVE
 236 W. 27th ST., SUITE 802
 NEW YORK, NY 10001
 P: 212.254.9870

FOOD SERVICE
 JMC HOSPITALITY
 856 SIX PINES DR., SUITE 8210
 THE WOODLANDS, TX 77380
 P: 681.641.2222

WATER FEATURES
 OTL
 2150 S. TOWNE CENTER, SUITE 100
 ANAHEIM, CA 92806
 P: 714.637.4747

IRRIGATION
 WC3 DESIGN
 11A ROBINSON MANOR BLVD.
 ROCKEFORD, PA 16803
 P: 844.231.7042

PSW Job Number:
993A
 Henderson Job Number:
2150002607

AWSOM
 Bentonville, AR

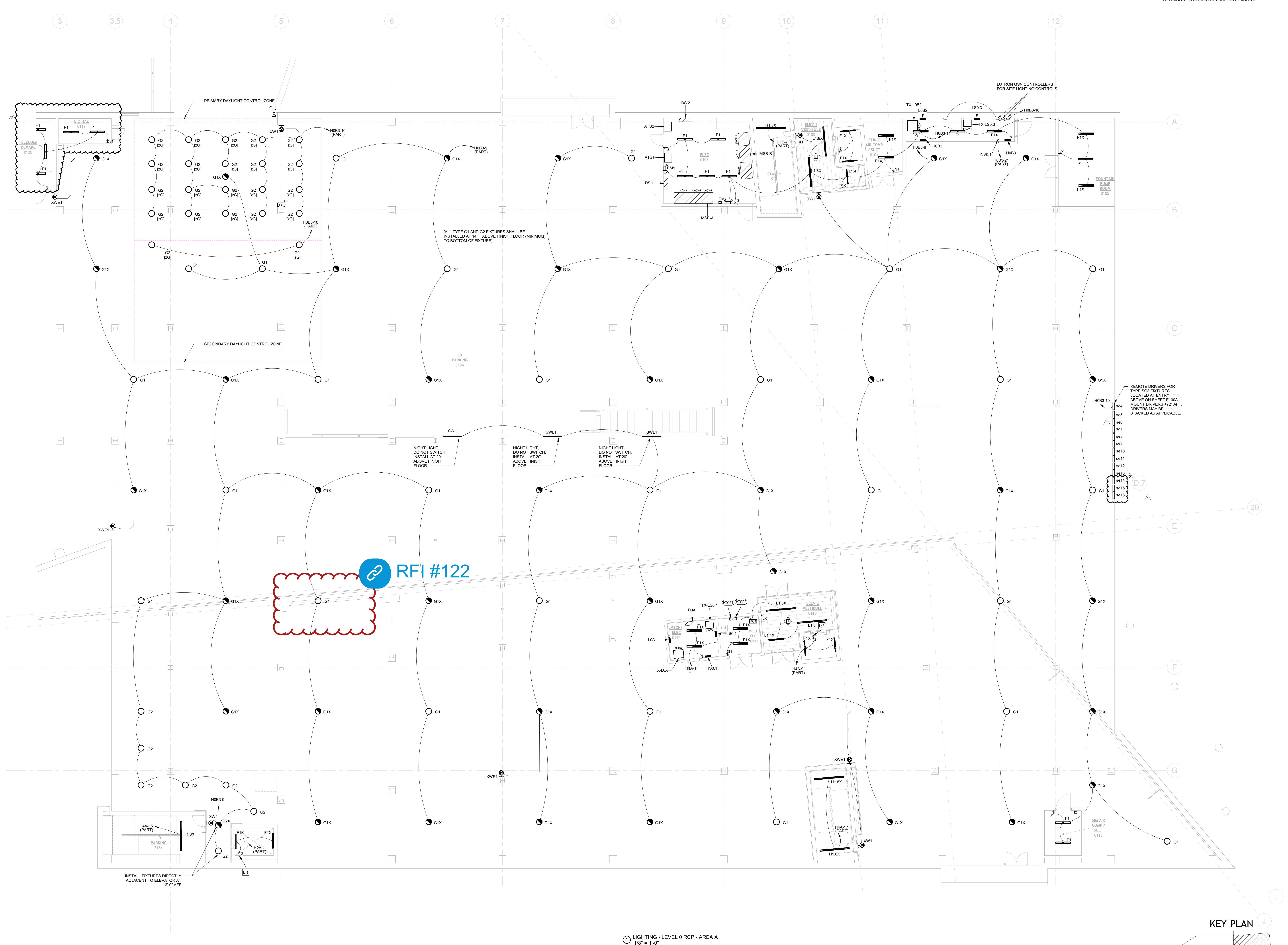
Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/13/23	Addendum 1
2	06/29/23	Addendum 2

Consents:
LIGHTING - LEVEL 0 RCP - AREA A

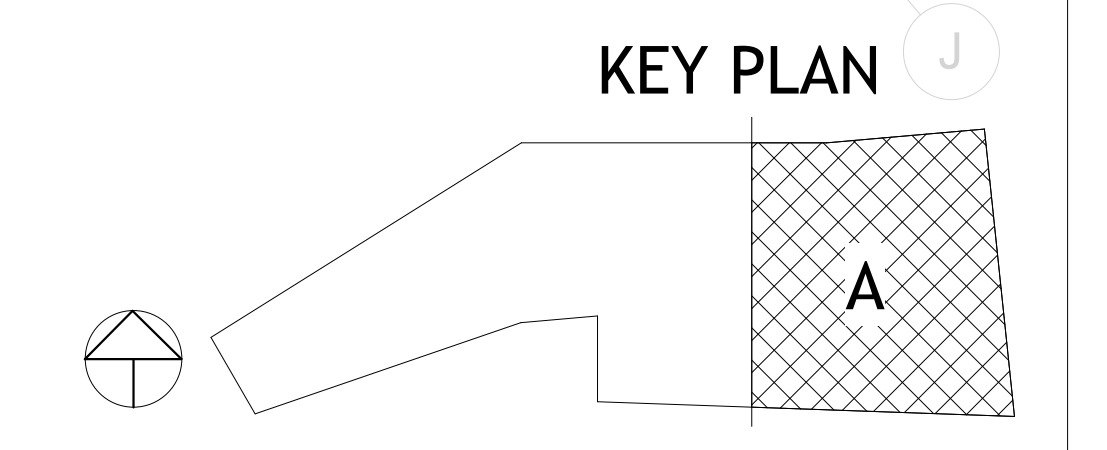
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E100A



RFI #122

① LIGHTING - LEVEL 0 RCP - AREA A
 1/8" = 1'-0"

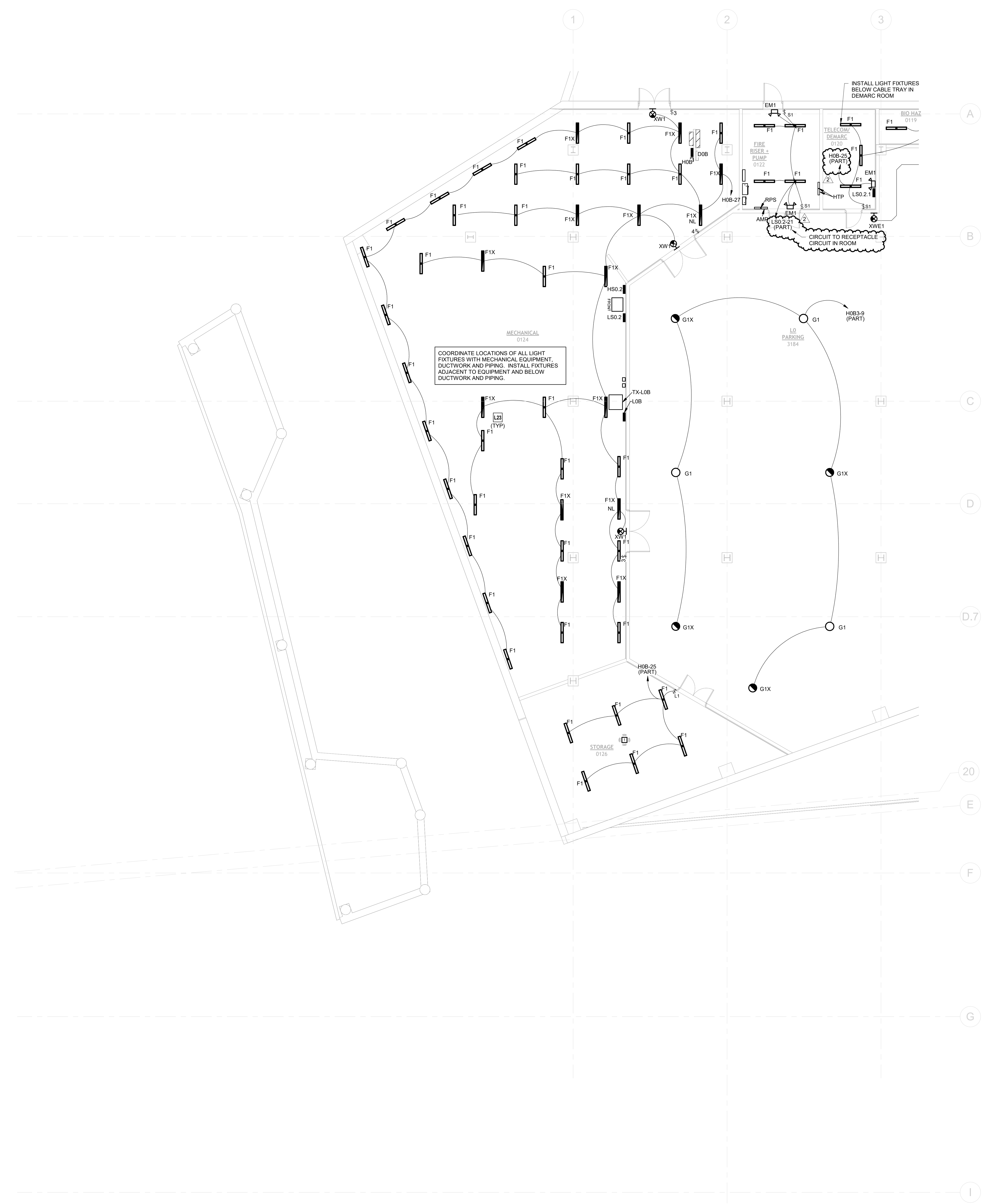


GENERAL NOTES:

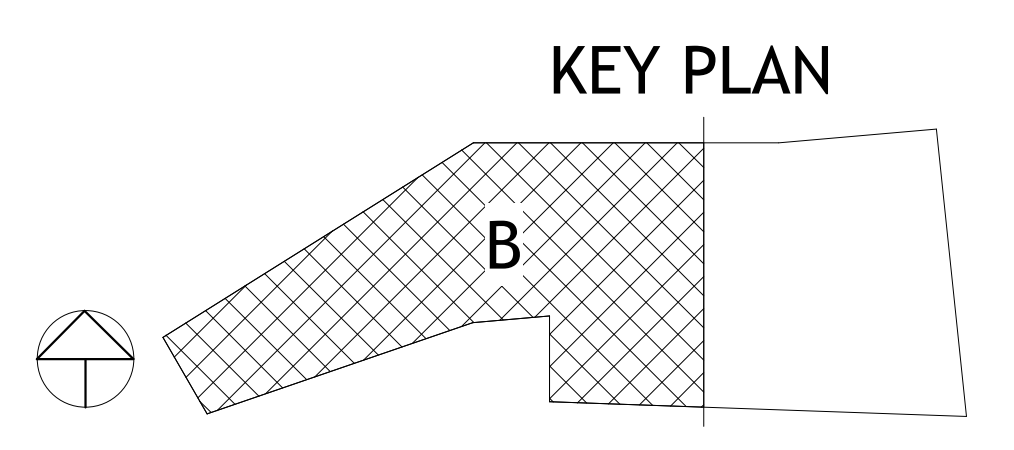
- REFER TO GENERAL NOTES ON SHEET E1000
- PROVIDE ALL LOW VOLTAGE CABLING AND NECESSARY RACEWAY TO SUPPORT CABLING FOR LIGHTING CONTROL SYSTEM. COORDINATE WITH LUTRON CONTROLS DRAWINGS FOR ALL REQUIREMENTS.

ELECTRICAL PLAN NOTES:

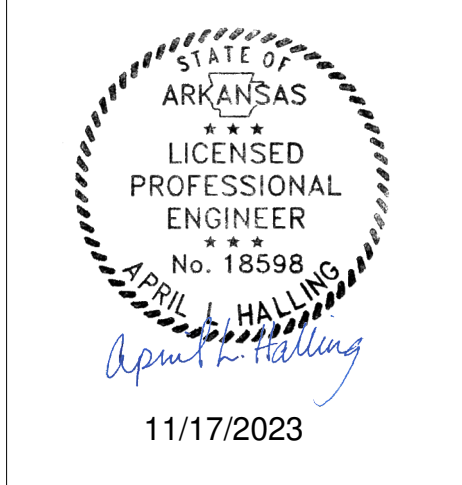
- COORDINATE LIGHTING LAYOUT WITH MECHANICAL EQUIPMENT, DUCTWORK AND PIPING. SUSPEND LIGHTING AT 11'-0" ABOVE FINISH FLOOR, EXCEPT WHERE LOCATED WITHIN 1 FT OF HORIZONTAL DUCTWORK OR PIPING, THEN SUSPEND LIGHTING 6-INCHES BELOW HORIZONTAL PIPING AND DUCTWORK.



Ⓢ LIGHTING - LEVEL 0 RCP - AREA B
 1/8" = 1'-0"



PSW Job Number:
993A
 Henderson Job Number:
2150002607



AWSOM
 Bentonville, AR

Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	06.23	ADDendum 1
2	11.23	PR.018

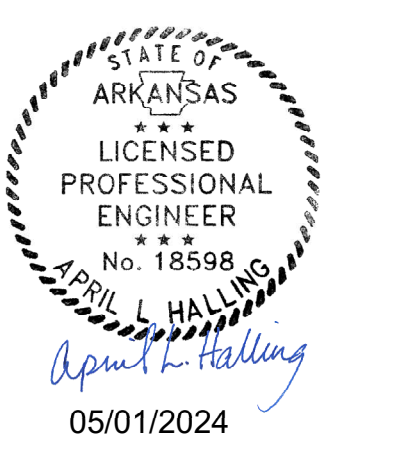
Contents:
 LIGHTING - LEVEL 0 RCP - AREA B

GENERAL NOTES:

1. REFER TO GENERAL NOTES ON SHEET E000.
2. PROVIDE ALL LOW VOLTAGE CABLEING AND NECESSARY RACEWAY TO SUPPORT CABLEING FOR LIGHTING CONTROL SYSTEM. COORDINATE WITH LUTRON CONTROL DRAWINGS FOR ALL REQUIREMENTS.

ELECTRICAL PLAN NOTES:

- L1 SWITCH FOR CONTROL OF LIGHTING IN SIMULATION ROOM.
- L4 INSTALL POWER SUPPLY SERVING COVE LIGHTING ABOVE ADJACENT ACCESSIBLE CEILING. LOCATE SUPPLY NO MORE THAN 2FT ABOVE CEILING TILE.
- L5 REMOTE POWER SUPPLY FOR EXTERIOR EMERGENCY LIGHT FIXTURE. INSTALL AS HIGH AS POSSIBLE BELOW STAIR LANDING.
- L11 LOCATION OF #11 EMERGENCY SECTION WITHIN LIGHT FIXTURE.
- L13 CIRCUIT LIGHTING FIXTURES IN ELEVATOR HOISTWAY TO ALL OTHER LIGHTING FIXTURES IN SAME ELEVATOR HOISTWAY AND SHOWN ON OTHER FLOOR LEVELS. J-WAY SWITCH AT TOP AND BOTTOM OF HOISTWAY SHALL CONTROL ALL FIXTURES IN HOISTWAY. COORDINATE EXACT LIGHT FIXTURE AND SWITCH LOCATIONS WITH ELEVATOR MANUFACTURER. LIGHT FIXTURES MAY BE INSTALLED VERTICALLY AS NEEDED AT EACH LEVEL SHOWN.
- L15 INSTALL MINI INVERTER WITH BOTTOM AT 19'-0" AFF ON WALL ACCESSIBLE.
- L16 PROVIDE LOCKABLE SWITCH COVER.
- L17 COORDINATE LIGHTING LAYOUT AND CEILING OCCUPANCY SENSORS WITH DATA RACKS AND CABLE TRAY. SUSPEND LIGHTING AND SENSORS TO BE LEVEL WITH BOTTOM OF HORIZONTAL CABLE TRAY.
- L22 ILLUMINATED MIRROR SPECIFIED BY ARCHITECT. COORDINATE ELECTRICAL CONNECTION WITH MANUFACTURER. CONTROL WITH ALL LIGHTING IN TOILET ROOM.
- L28 INTERNALLY ILLUMINATED DESK. PROVIDE CONTROLLED POWER FOR ILLUMINATED DESK PER MANUFACTURER'S REQUIREMENTS.
- L29 LIGHTING CONTROL SWITCHES FOR CLINIC WAITING ZONES (A) THRU (H).
- L30 SWITCH INSTALLED ABOVE COUNTER AT DESK. CONTROL ALL CONDITS AND CEILING LIGHTING SWITCH IN DESK MILLWORK BELOW COUNTER.
- L31 LOCATE LUTRON CONTROL MODULES ABOVE ACCESSIBLE CEILING. REFER TO LUTRON CONTROL DRAWINGS FOR ADDITIONAL CONNECTION REQUIREMENTS.
- L32 INSTALL FIXTURE AND CHANNEL CUT TO LENGTH AT TOP AND BOTTOM OF WOOD SLAT FEATURE. REFER TO ARCHITECTURAL DETAILS FOR EXACT LOCATION.
- L33 INSTALL FIXTURE AND CHANNEL CUT TO LENGTH AT BOTTOM OF BASE. REFER TO ARCHITECTURAL DETAILS FOR EXACT LOCATION.

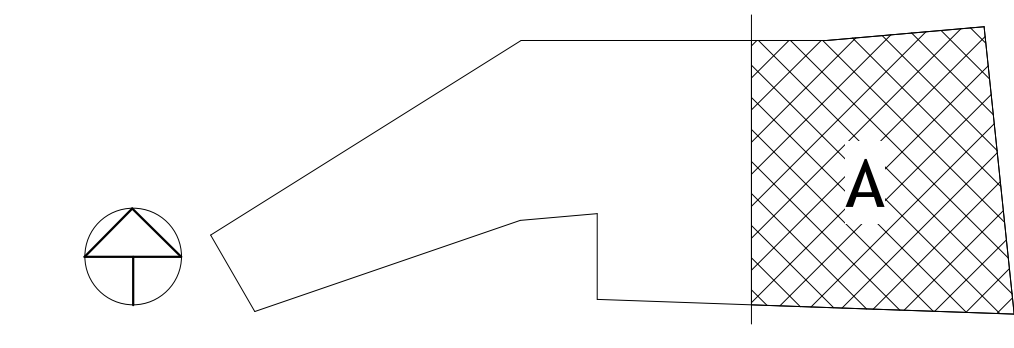


NUMBER	DATE	DESCRIPTION
1	03/13/23	ADDENDUM 1
2	06/03/23	ADDENDUM 2
3	12/02/23	REV 004
4	04/18/24	REV 004
5	10/01/24	REV 001



① LIGHTING - LEVEL 1 RCP - AREA A
 1/8" = 1'-0"

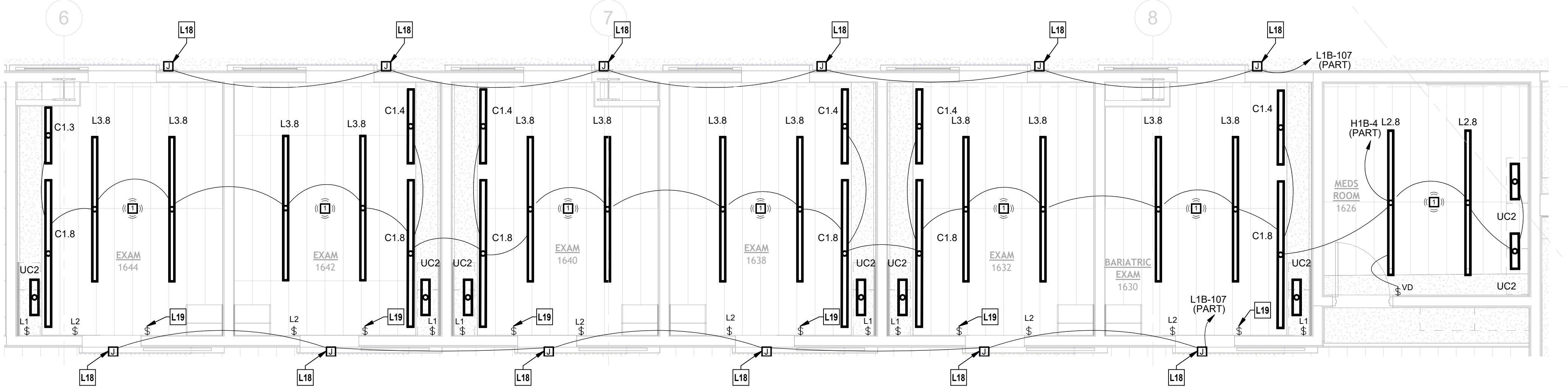
KEY PLAN



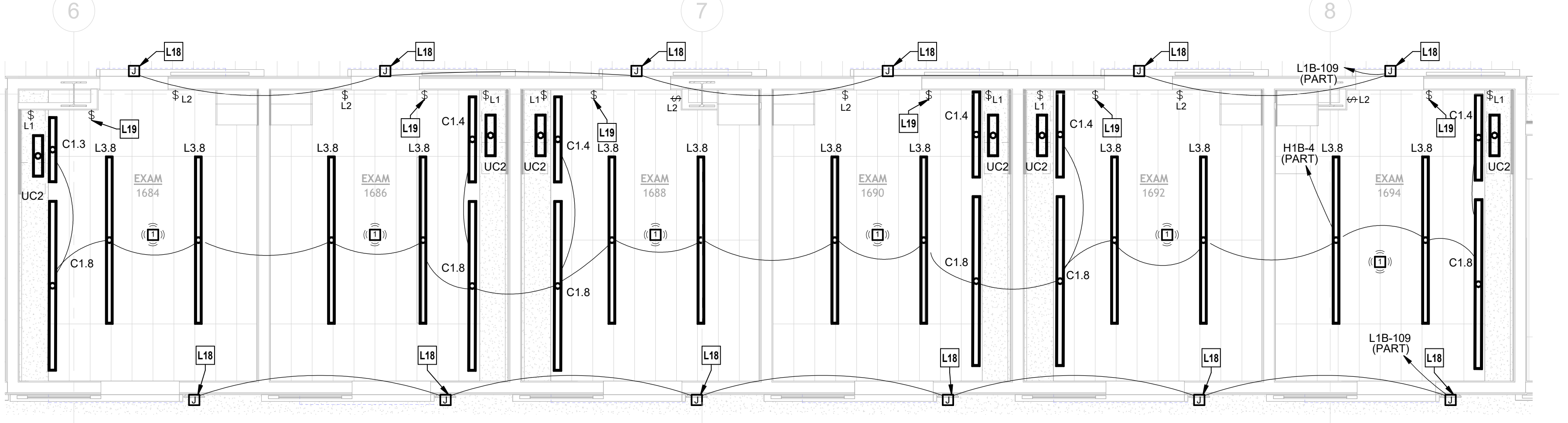
GENERAL NOTES:

- REFER TO GENERAL NOTES ON SHEET E000.
- PROVIDE ALL LOW VOLTAGE CABLING AND NECESSARY RACEWAY TO SUPPORT CABLING FOR LIGHTING CONTROL SYSTEM. COORDINATE WITH LUTRON CONTROLS DRAWINGS FOR ALL REQUIREMENTS.
- INSTALL LIGHT FIXTURE AND ASSOCIATED POWER SUPPLY ON TOP OF LOCKERS. EXTEND FIXTURE ACROSS ENTIRE LENGTH OF LOCKERS. FIELD CUT TO LENGTH.
- LOCATION OF 4FT EMERGENCY SECTION WITHIN LIGHT FIXTURE.
- COORDINATE LIGHTING LAYOUT AND CEILING OCCUPANCY SENSORS WITH DATA RACKS AND CABLE TRAY. SUSPEND LIGHTING AND SENSORS TO BE LEVEL WITH BOTTOM OF OCCUPANCY SENSORS.
- INDICATOR LIGHT FOR CLINIC EXAM ROOM LIGHT SYSTEM SELECTED BY OWNER. PROVIDE BOX AND RACEWAY BETWEEN INDICATOR LIGHT AND CONTROL SWITCH IN EXAM ROOM.
- COORDINATE WITH ARCHITECT FOR THE BOX AND RACEWAY REQUIREMENTS WITH SYSTEM MANUFACTURER.
- ILLUMINATED MIRROR SPECIFIED BY ARCHITECT. COORDINATE ELECTRICAL CONNECTION WITH MANUFACTURER CONTROL WITH ALL LIGHTING IN TOILET ROOM.
- INSTALL MINI INVERTER WITH BOTTOM AT 12'-0" AFF ON WALL ACCESSIBLE.
- INSTALL SENSOR AT 10'-0" AFF. ALIGN RACEWAY SUPPORT WITH WINDOW MULLION.
- LOCATE LUTRON CONTROL MODULES ABOVE ACCESSIBLE CEILING. REFER TO LUTRON CONTROL DRAWINGS FOR ADDITIONAL CONNECTION REQUIREMENTS.

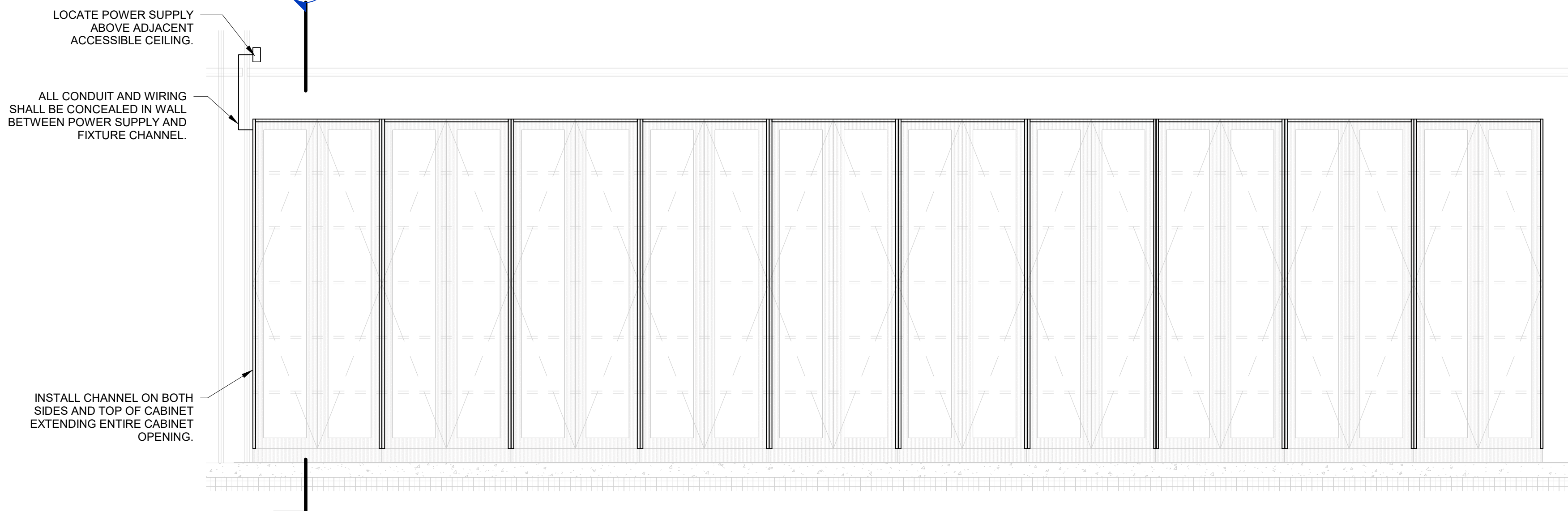
FIELD VERIFY EXACT LOCATION TO INSTALL WITHIN PANEL AND NOT ON JOINT OF METAL PANELS



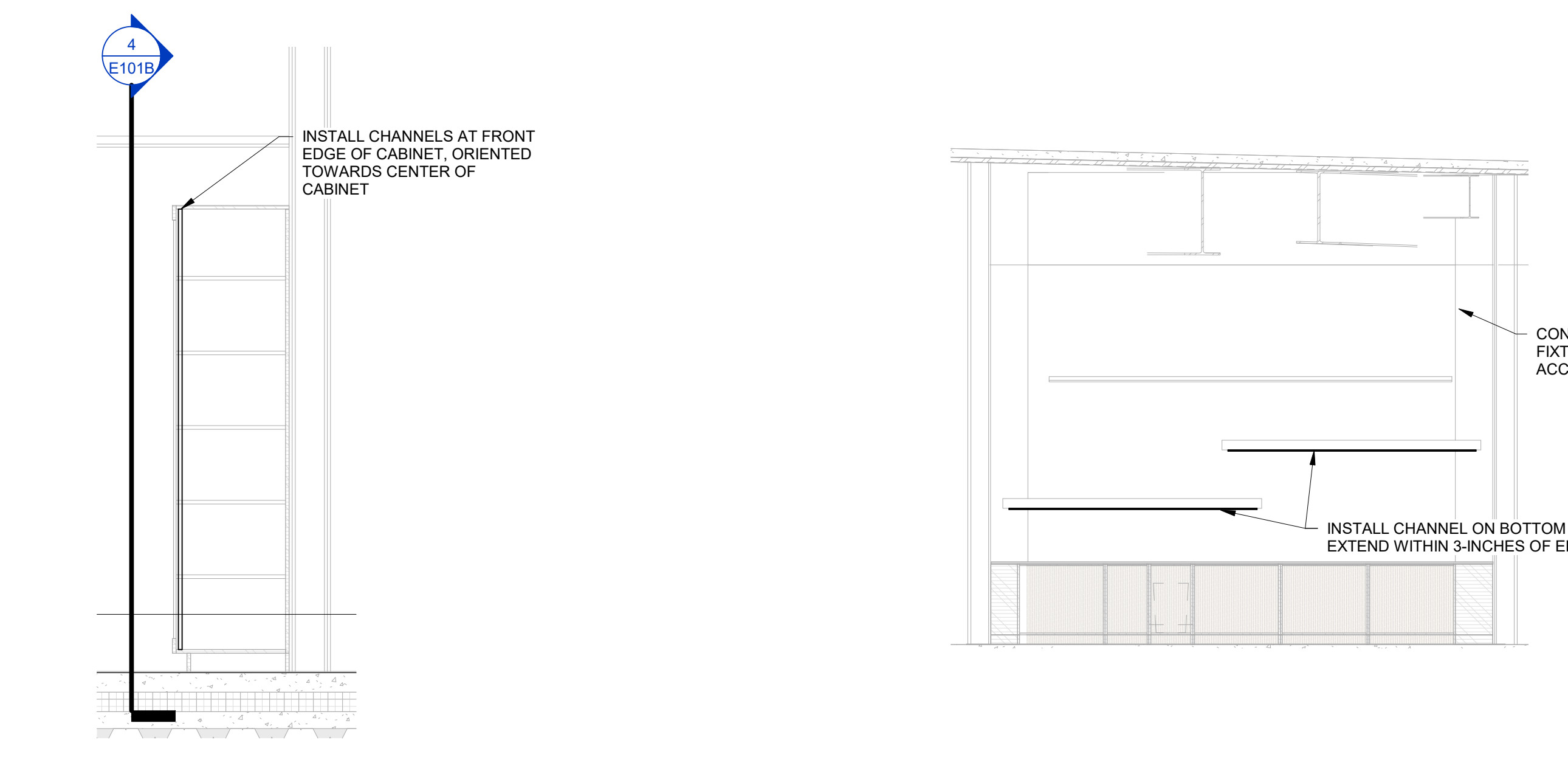
2 LIGHTING - LEVEL 1 RCP - CLINIC EXAM NORTH
1/4" = 1'-0"



3 LIGHTING - LEVEL 1 RCP - CLINIC EXAM SOUTH
1/4" = 1'-0"



4 LIGHTING - ANATOMY CABINET DETAIL
1/2" = 1'-0"



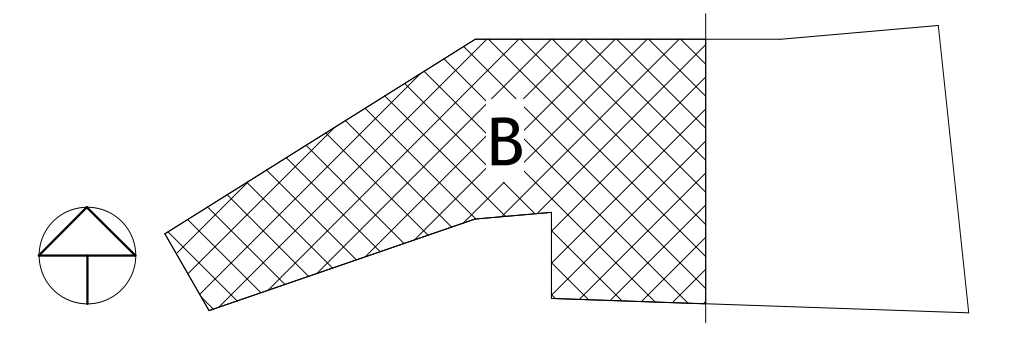
5 LIGHTING - ANATOMY CABINET SECTION
1/2" = 1'-0"

6 LIGHTING ANATOMY SHELVING
1/4" = 1'-0"

7 LIGHTING - LEVEL 1 RCP - AREA B
1/8" = 1'-0"



KEY PLAN



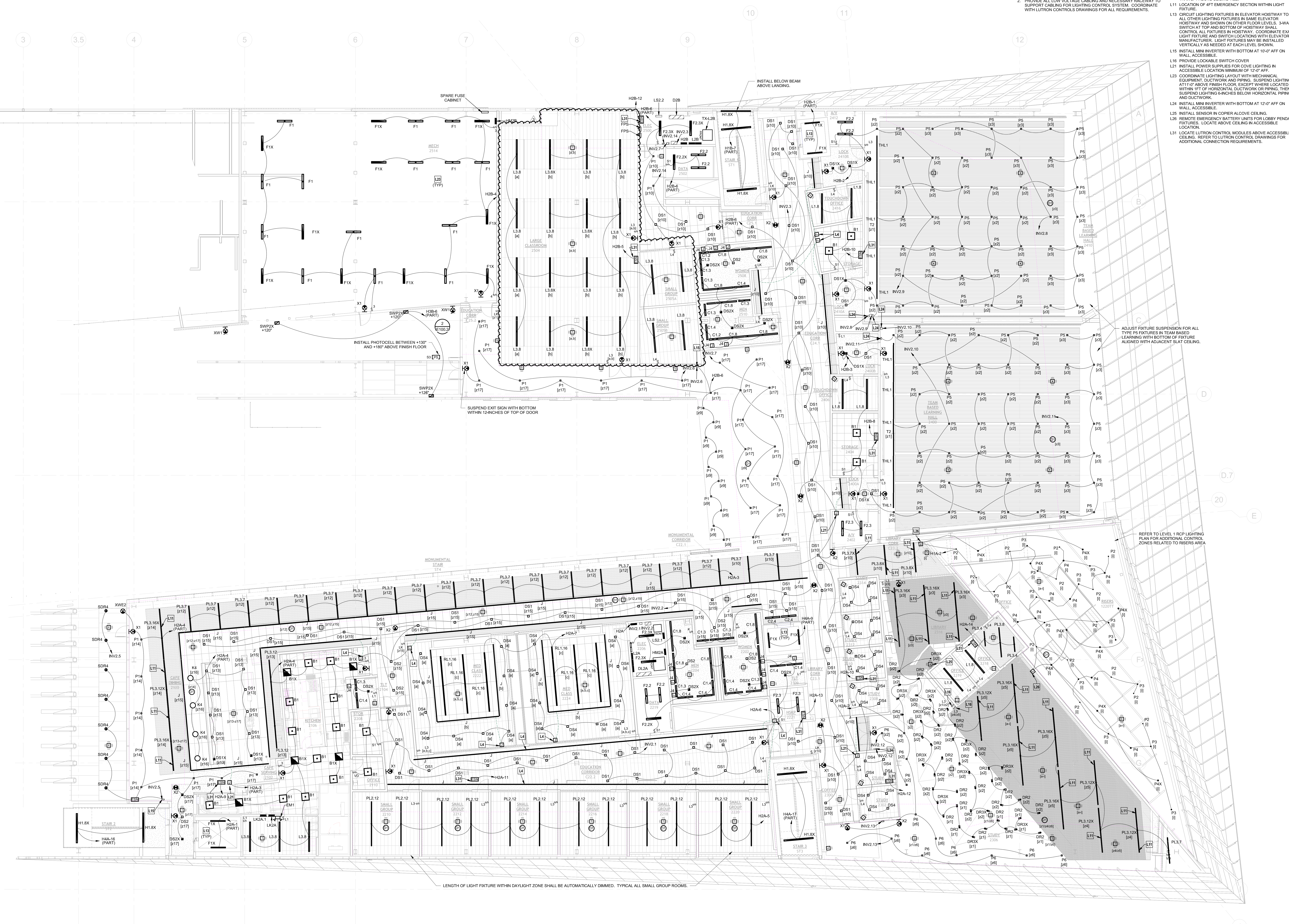
REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/13/23	ADDENDUM
2	04/11/23	PR-026
3	04/18/23	PR-041

GENERAL NOTES:

- REFER TO GENERAL NOTES ON SHEET E000.
- PROVIDE ALL LOW VOLTAGE CABLING AND NECESSARY RACEWAY TO SUPPORT CABLING FOR LIGHTING CONTROL SYSTEM. COORDINATE WITH LUTRON CONTROLS DRAWINGS FOR ALL REQUIREMENTS.

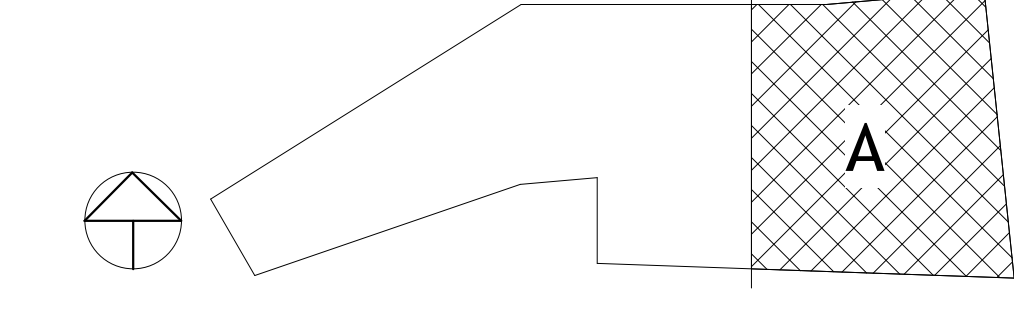
ELECTRICAL PLAN NOTES:

- INSTALL POWER SUPPLY SERVING COVE LIGHTING ABOVE ADJACENT ACCESSIBLE CEILING. LOCATE SUPPLY NO MORE THAN 2FT ABOVE CEILING TIE.
- LOCATION OF EIT EMERGENCY SECTION WITHIN LIGHT FIXTURE.
- CIRCUIT LIGHTING FIXTURES IN ELEVATOR HOISTWAY TO ALL OTHER LIGHTING FIXTURES IN SAME ELEVATOR HOISTWAY AND SHOWN ON OTHER FLOOR LEVELS. 3-WAY SWITCH AT TOP AND BOTTOM OF HOISTWAY SHALL CONTROL ALL FIXTURES IN HOISTWAY. COORDINATE EXACT LIGHT FIXTURE AND SWITCH LOCATIONS WITH ELEVATOR MANUFACTURER. LIGHT FIXTURES MAY BE INSTALLED VERTICALLY AS NEEDED AT EACH LEVEL SHOWN.
- INSTALL LMN INVERTER WITH BOTTOM AT 10'-0" AFF ON WALL ACCESSIBLE.
- PROVIDE LOCKABLE SWITCH COVER.
- INSTALL POWER SUPPLIES FOR COVE LIGHTING IN ACCESSIBLE LOCATION MINIMUM OF 12'-0" AFF.
- COORDINATE LIGHTING LAYOUT WITH MECHANICAL EQUIPMENT, DUCTWORK AND PIPING. SUSPEND LIGHTING AT 11" ABOVE FINISH FLOOR, EXCEPT WHERE LOCATED WITHIN 1FT OF HORIZONTAL DUCTWORK OR PIPING, THEN SUSPEND LIGHTING 6-INCHES BELOW HORIZONTAL PIPING AND DUCTWORK.
- INSTALL LMN INVERTER WITH BOTTOM AT 12'-0" AFF ON WALL ACCESSIBLE.
- INSTALL SENSOR IN COPPER ABOVE CEILING.
- REMOVE EMERGENCY BATTERY UNITS FOR LOBBY PENDANT FIXTURES. LOCATE ABOVE CEILING IN ACCESSIBLE LOCATION.
- LOCATE LUTRON CONTROL MODULES ABOVE ACCESSIBLE CEILING. REFER TO LUTRON CONTROL DRAWINGS FOR ADDITIONAL CONNECTIONS.



1 LIGHTING - LEVEL 2 RCP - AREA A
1/8" = 1'-0"

KEY PLAN

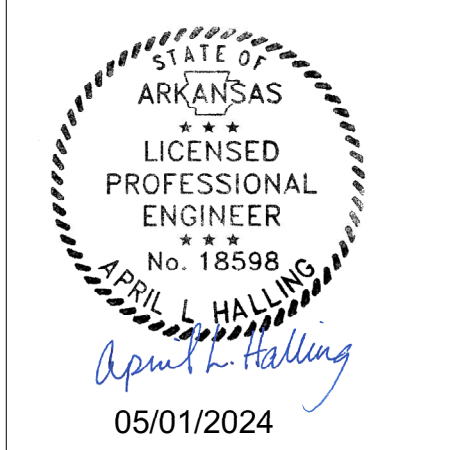


GENERAL NOTES:

- REFER TO GENERAL NOTES ON SHEET E000.
- PROVIDE ALL LOW VOLTAGE CABLING AND NECESSARY RACEWAY TO SUPPORT CABLING FOR LIGHTING CONTROL SYSTEM. COORDINATE WITH LUTRON CONTROLS DRAWINGS FOR ALL REQUIREMENTS.

ELECTRICAL PLAN NOTES:

- L4 INSTALL POWER SUPPLY SERVING COVE LIGHTING ABOVE ADJACENT ACCESSIBLE CEILING. LOCATE SUPPLY NO MORE THAN 2FT ABOVE CEILING TILE.
- L11 LOCATE ONE 4FT EMERGENCY SECTION WITHIN LIGHT FIXTURE.
- L13 CIRCUIT LIGHTING FIXTURES IN ELEVATOR HOISTWAY TO ALL OTHER LIGHTING FIXTURES IN SAME ELEVATOR HOISTWAY AND SHOWN ON OTHER FLOOR LEVELS. 3-WAY SWITCH AT TOP AND BOTTOM OF HOISTWAY SHALL CONTROL ALL FIXTURES IN HOISTWAY. COORDINATE EXACT LIGHT FIXTURE AND SWITCH LOCATIONS WITH ELEVATOR MANUFACTURER. LIGHT FIXTURES MAY BE INSTALLED VERTICALLY AS NEEDED AT EACH LEVEL SHOWN.
- L15 INSTALL MINI INVERTER WITH BOTTOM AT 10'-0" AFF ON WALL ACCESSIBLE.
- L16 PROVIDE LOCKABLE SWITCH COVER.
- L17 COORDINATE LIGHTING LAYOUT AND CEILING OCCUPANCY SENSORS WITH DATA RACKS AND CABLE TRAY. SUSPEND LIGHTING AND SENSORS TO BE LEVEL WITH BOTTOM OF HORIZONTAL CABLE TRAY.
- L21 INSTALL POWER SUPPLIES FOR COVE LIGHTING IN ACCESSIBLE LOCATION MINIMUM OF 12'-0" AFF.
- L31 LOCATE LUTRON CONTROL MODULES ABOVE ACCESSIBLE CEILING. REFER TO LUTRON CONTROLS DRAWINGS FOR ADDITIONAL CONNECTION REQUIREMENTS.
- L35 INSTALL EXIT SIGN ABOVE DOOR/WINDOW FRAME.

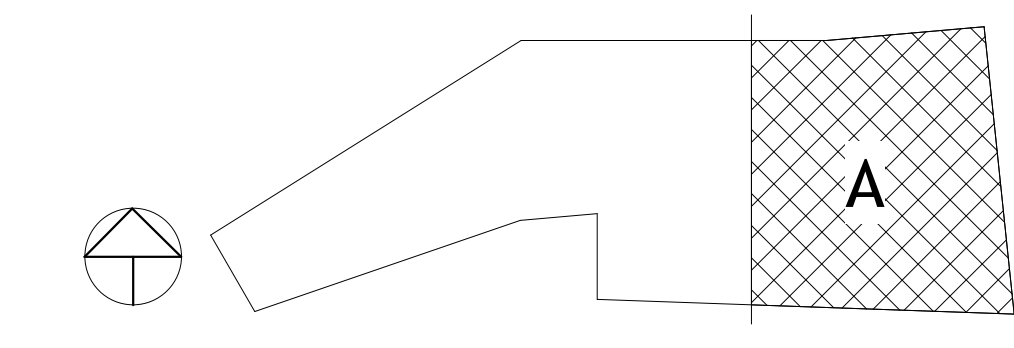


NUMBER	DATE	DESCRIPTION
1	03/23/23	ADDENDUM 2
2	06/23/23	ADDENDUM 2
3	12/23/23	REV 24
4	03/24/24	REV 051



1 LIGHTING - LEVEL 3 RCP - AREA A
1/8" = 1'-0"

KEY PLAN



GENERAL NOTES:

- REFER TO GENERAL NOTES ON SHEET E000.
- PROVIDE ALL LOW VOLTAGE CABLING AND NECESSARY RACEWAY TO SUPPORT CABLING FOR LIGHTING CONTROL SYSTEM. COORDINATE WITH LUTRON CONTROL DRAWINGS FOR ALL REQUIREMENTS.

ELECTRICAL PLAN NOTES:

- L11 LOCATION OF 4FT EMERGENCY SECTION WITHIN LIGHT FIXTURE.
- L13 CIRCUIT LIGHTING FIXTURES IN ELEVATOR HOISTWAY TO ALL OTHER LIGHTING FIXTURES IN SAME ELEVATOR HOISTWAY AND SHOWN ON OTHER FLOOR LEVELS. 3-WAY SWITCH AT TOP AND BOTTOM OF HOISTWAY SHALL CONTROL ALL FIXTURES IN HOISTWAY. COORDINATE EXACT LIGHT FIXTURE AND SWITCH LOCATIONS WITH ELEVATOR MANUFACTURER. LIGHT FIXTURES MAY BE INSTALLED VERTICALLY AS NEEDED AT EACH LEVEL SHOWN.
- L31 LOCATE LUTRON CONTROL MODULES ABOVE ACCESSIBLE CEILING. REFER TO LUTRON CONTROL DRAWINGS FOR ADDITIONAL CONNECTION REQUIREMENTS.

PSW Job Number:

993A

Henderson Job Number:

2150002607



AWSOM
Bentonville, AR

Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/23/23	ADDITION
2	08/23/24	PROVIDE
3	09/24/24	PROVIDE

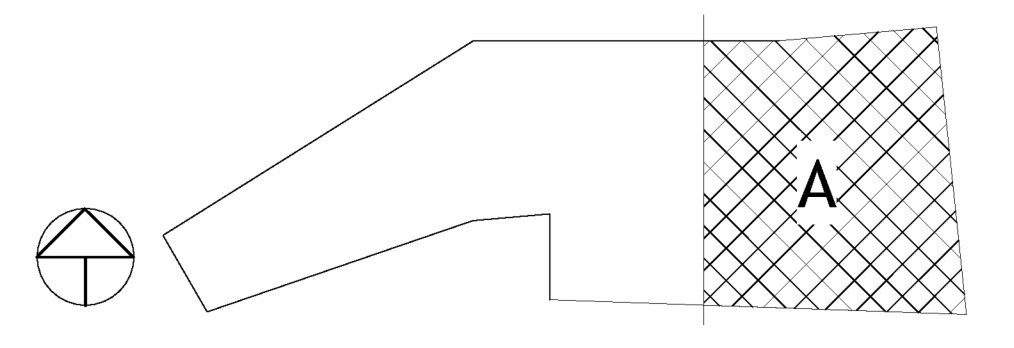
Contents:
LIGHTING - LEVEL
4 RCP - AREA A



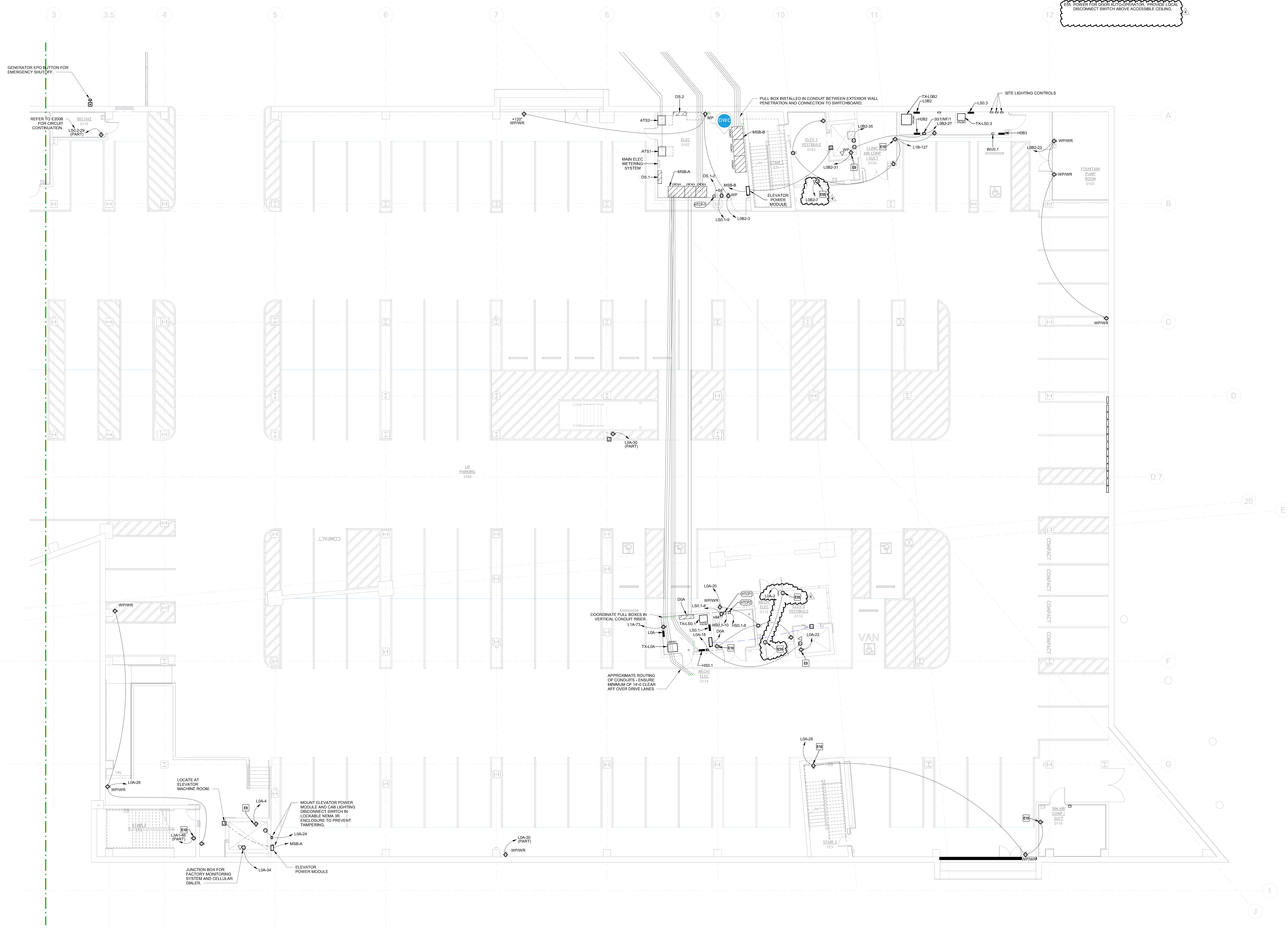
REFER TO SHEET E100.2 FOR ROOFTOP LIGHTING

1 LIGHTING - LEVEL 4 RCP - AREA A
1/8" = 1'-0"

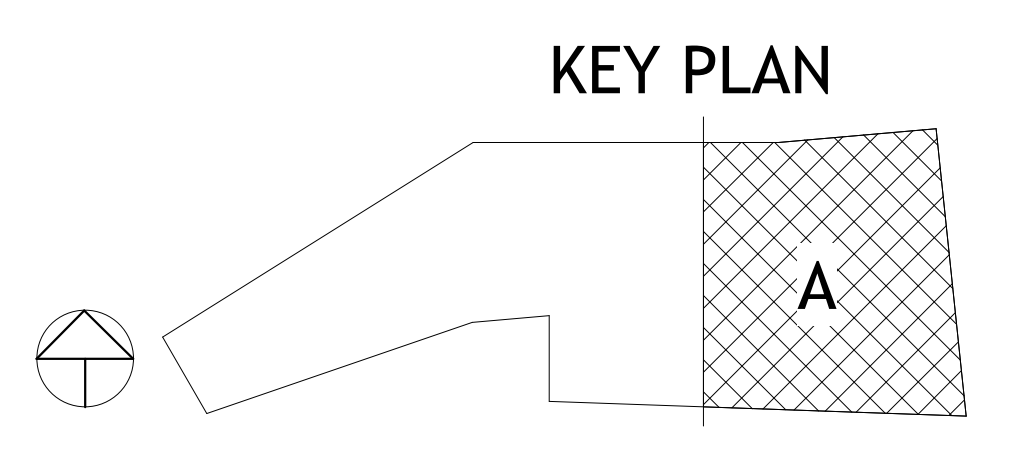
KEY PLAN



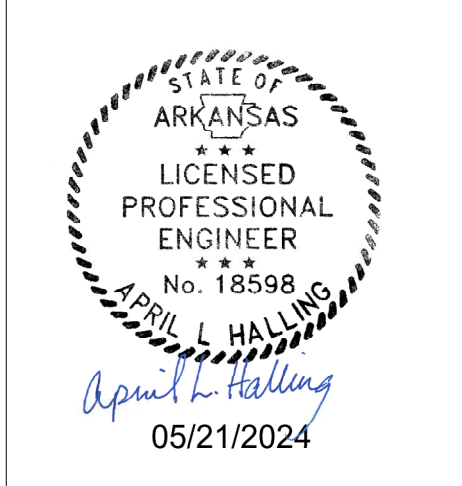
ELECTRICAL PLAN NOTES:
E9 INSTALL MAINTENANCE RECEPTACLE IN ELEVATOR PIT. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER.
E10 RECEPTACLES FOR MECHANICAL MAINTENANCE MANUFACTURER.
E55 POWER FOR DOOR AUTO-OPERATOR. PROVIDE LOCAL DISCONNECT SWITCH ABOVE ACCESSIBLE CEILING.



1 POWER - LEVEL 0 PLAN - AREA A
1/8" = 1'-0"



PSW Job Number:
993A
Henderson Job Number:
2150002607



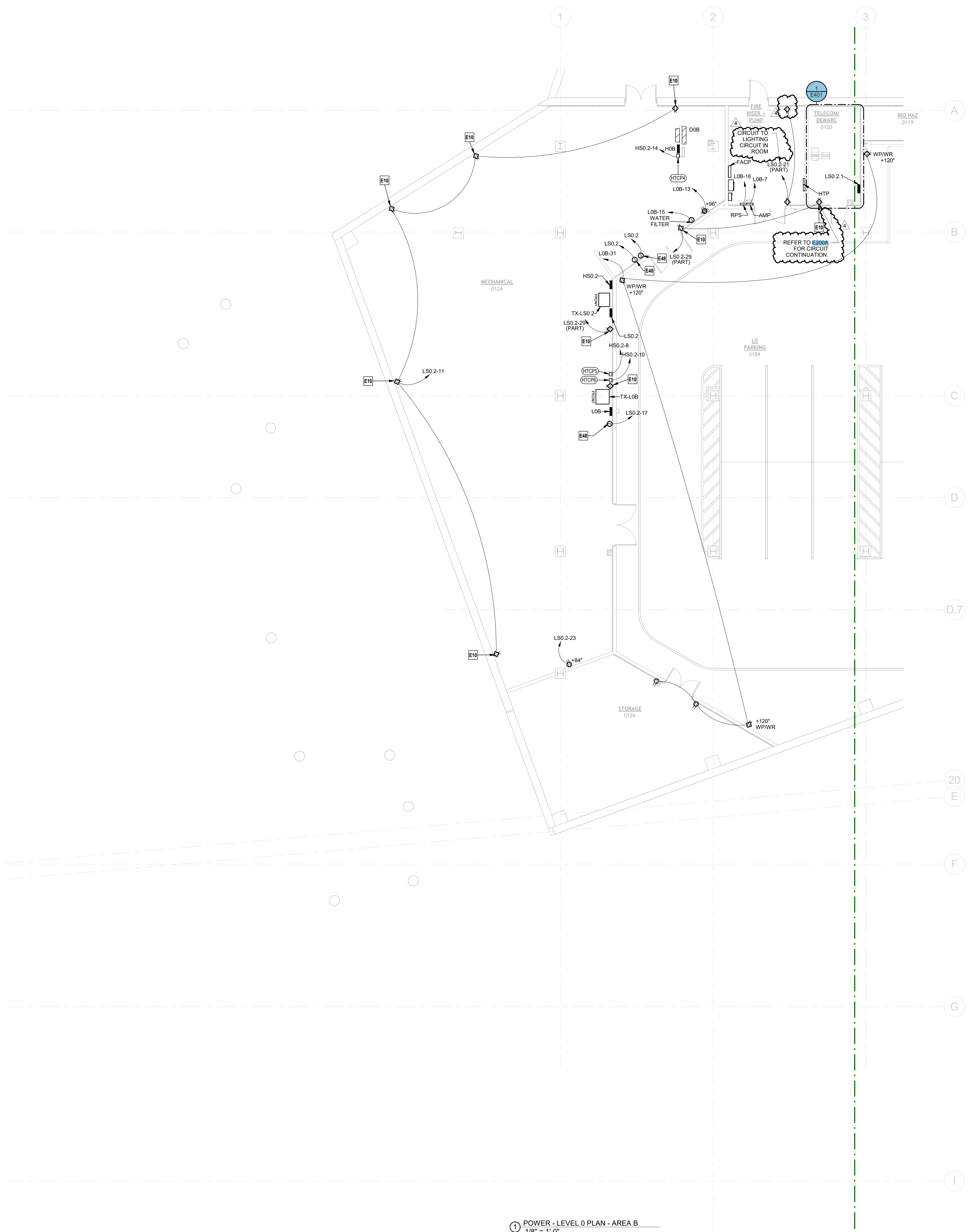
AWSOM
Bentonville, AR

Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/15/23	Addendum 1
2	06/29/23	Addendum 2
3	11/13/23	Prop 2
4	06/21/24	PR-058

Contents:
POWER - LEVEL 0
PLAN - AREA A

ELECTRICAL PLAN NOTES:
 E10 RECEPTACLES FOR MECHANICAL MAINTENANCE
 E48 HVAC CONTROL CIRCUITS. EXTEND CONTROL CIRCUIT TO CONTROLS TRANSFORMERS IN MECHANICAL ROOM. COORDINATE WITH GDC CONTROLS SYSTEM.



801 South Spring Street
 Little Rock, AR 72201
 501.378.0878 office
 509 W. Spring St. | Suite 100
 Fayetteville, AR 72701
 479.444.0813 office
 polkstanleywilcox.com

CIVIL
 McCalland Consulting Engineers, Inc.
 1880 E STEARNS ST
 FAYETTEVILLE, AR 72703
 P: 479.443.2377

LANDSCAPE
 OSD
 115 ST. JOHNS PLACE
 BROOKLYN, NY 11217
 P: 917.553.5886

STRUCTURAL
 Martin Consulting Engineers
 508 SOUTH WALTON BLVD., STE 17
 BENTONVILLE, AR 72712
 P: 479.493.9945

MEPF - LOW VOLTAGE
 Henderson Engineers
 830 LEXIA DRIVE, STE 300
 LENOIR, NC 28624
 P: 913.660.8187

SUSTAINABILITY
 SOM
 224 SOUTH MICHIGAN AVENUE
 CHICAGO, IL 60604
 P: 312.360.4121

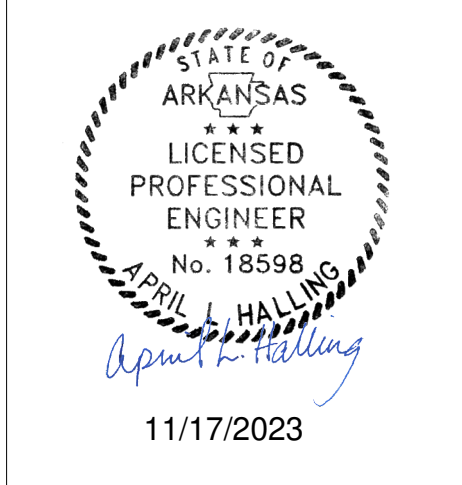
SIGNAGE + WAYFINDING
 TWO TWELVE
 238 W. 27th ST., SUITE 802
 NEW YORK, NY 10001
 P: 212.254.8670

FOOD SERVICE
 JMC HOSPITALITY
 856 SIX PINES DR., SUITE 8210
 THE WOODLANDS, TX 77380
 P: 682.441.2222

WATER FEATURES
 OTL
 2150 S. TOWNE CENTER, SUITE 100
 ANAHEIM, CA 92806
 P: 714.637.4747

IRRIGATION
 WC3 DESIGN
 11A ROBINSON MANOR BLVD.
 ROCKERS ROCK, PA 15135
 P: 844.231.7042

PSW Job Number:
993A
 Henderson Job Number:
2150002607



AWSOM
 Bentonville, AR

Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/10/23	ADDENDUM 1
2	06/29/23	ADDENDUM 2
3	07/19/23	PRO-03
4	11/17/23	PRO-04

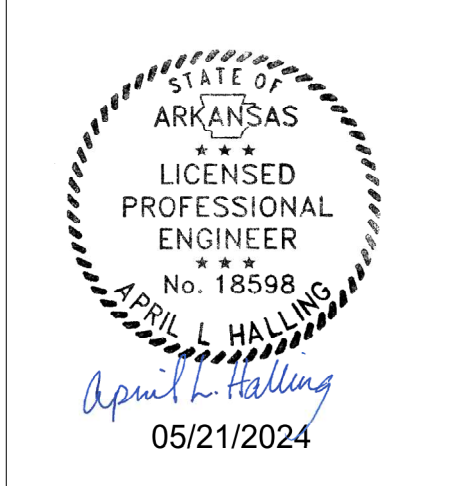
Contents:
 POWER - LEVEL 0
 PLAN - AREA B

① POWER - LEVEL 0 PLAN - AREA B
 1/8" = 1'-0"

KEY PLAN

THIS PAGE IS BEST VIEWED IN COLOR

E200B



REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/15/23	ADDENDUM 1
2	06/09/23	ADDENDUM 2
3	11/15/23	PR-024
4	12/18/23	PR-024
5	04/16/24	PR-044
6	05/13/24	PR-051
7	05/13/24	ADR-015
8	05/13/24	PR-058

- ELECTRICAL PLAN NOTES:**
- E12 MANUFACTURER PROVIDED CONTROL SWITCH FOR RETRACTABLE PROJECTOR. PROVIDE LABEL TO DISTINGUISH SWITCH DESIGNATION.
 - E13 MANUFACTURER PROVIDED CONTROL SWITCH FOR PROJECTOR SCREEN. PROVIDE LABEL TO DISTINGUISH SWITCH DESIGNATION.
 - E14 CEILING MOUNTED RECEPTACLE FOR RETRACTABLE PROJECTOR. COORDINATE WITH MANUFACTURER FOR EXACT PLACEMENT.
 - E15 JUNCTION BOX MOUNTED AT STRUCTURE FOR RETRACTABLE SCREEN. COORDINATE WITH MANUFACTURER FOR EXACT MOUNTING REQUIREMENTS.
 - E16 CEILING MOUNTED JUNCTION BOX FOR EXAM LIGHT. COORDINATE EXACT MOUNTING REQUIREMENTS WITH MANUFACTURER.
 - E17 DUPLEX RECEPTACLE MOUNTED AT CEILING STRUCTURE FOR SIGNAGE PROJECTOR. COORDINATE EXACT LOCATION WITH AV VENDOR.
 - E21 INSTALL INDIVIDUAL GFCI FEED THRU DEVICE TO PROTECT EACH RECEPTACLE ON THIS WALL. INSTALL GFCI PROTECTIVE DEVICE ACCESSIBLE FOR RESET.
 - E22 INSTALL INDIVIDUAL GFCI FEED THRU DEVICE TO PROTECT EACH NON-GFI RECEPTACLE IN BREAKROOM. INSTALL GFCI PROTECTIVE DEVICE ACCESSIBLE FOR RESET.
 - E23 INSTALL INDIVIDUAL GFCI FEED THRU DEVICE TO PROTECT EACH NON-GFI RECEPTACLE AT COUNTER. INSTALL GFCI PROTECTIVE DEVICE AT LOCATION SHOWN ACCESSIBLE FOR RESET.
 - E24 JUNCTION BOX FOR RAISING WALL. COORDINATE FINAL LOCATION OF JUNCTION BOX WITH MANUFACTURER. INSTALL CONTROL STATION AS SHOWN. PROVIDE 1/2" CONDUIT FROM JUNCTION BOX TO ABOVE CEILING FOR CONTROL WIRE FROM CONTROL STATION TO WALL MOTOR.
 - E25 MECHANICAL THERMOSTAT LOCATION. PROVIDE JUNCTION BOX AND 1/2" CONDUIT TO ABOVE CEILING FOR CONTROL WIRING.
 - E44 INSTALL JUNCTION BOX FOR LUTRON ROLLER SHADE CONTROL PANEL. LOCATE PANEL ABOVE ACCESSIBLE CEILING LOCATION AND OUT OF PUBLIC VIEW.
 - E45 INSTALL JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR FUTURE LUTRON ROLLER SHADE CONTROL PANEL.
 - E55 POWER FOR DOOR AUTO-OPERATOR. PROVIDE LOCAL DISCONNECT SWITCH ABOVE ACCESSIBLE CEILING.

NOTE: REFER TO SECURITY AND TELECOM DRAWINGS FOR ALL DOOR SECURITY AND DATA DEVICE LOCATIONS.

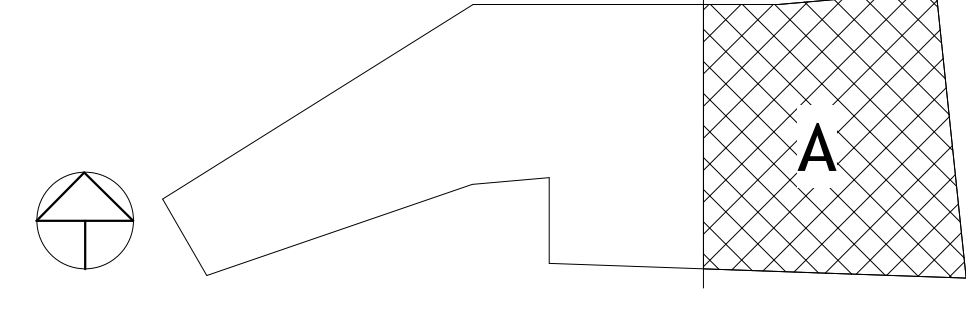
ALL RECEPTABLES LOCATED IN CLINIC WAITING, CORRIDORS AND EXAM ROOMS SHALL BE TAMPER RESISTANT AND HOSPITAL GRADE.

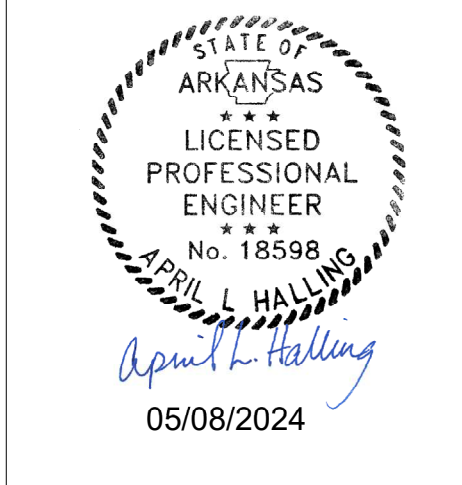
DIGITAL SCREENS



POWER - LEVEL 1 PLAN - AREA A
1/8" = 1'-0"

KEY PLAN

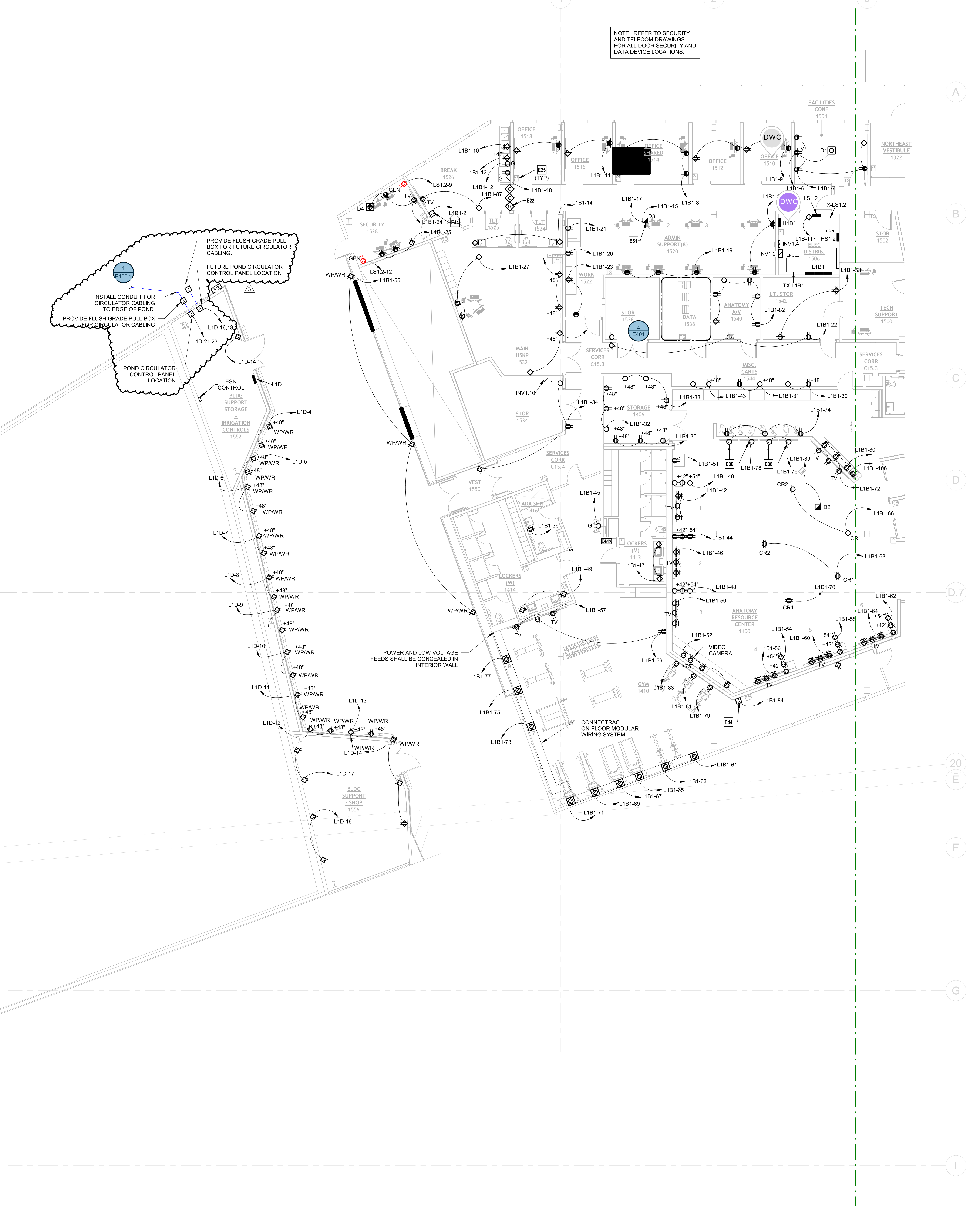




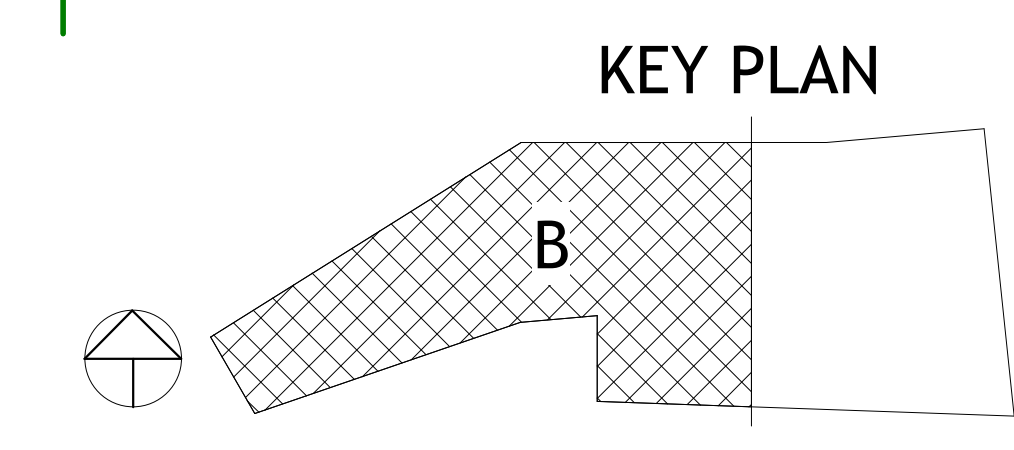
REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.19.23	ADDendum 1
2	06.29.23	ADDendum 2
3	06.24.24	REVISED

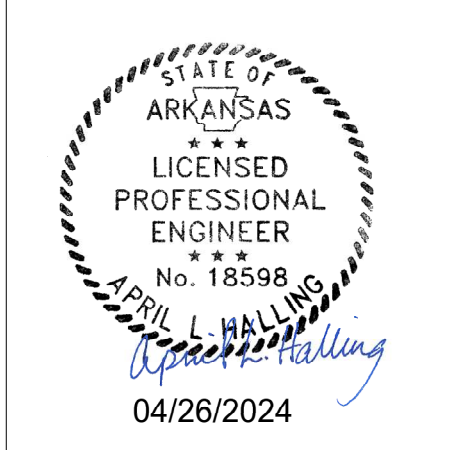
- GENERAL NOTE:**
- IN COMPLIANCE WITH IBC, PENETRATIONS INTO OR THROUGH INTERIOR EXIST STAIRWAYS ARE PROHIBITED EXCEPT AS ALLOWED IN 2021 IBC SECTION 1023.6
 - ADDITIONAL ESN CONTROL MODULES ARE REQUIRED FOR CONTROLLED RECEPTACLES. COORDINATE WITH LUTRON TO PROVIDE ALL ESN CONTROL MODULES FOR CONTROLLED RECEPTACLES. LOCATE ESN MODULES FOR CONTROLLED RECEPTACLES IN LOCATIONS SIMILAR TO LIGHTING CONTROL ESN MODULES AND INTEGRATE INTO LUTRON CONTROLS SYSTEM.
- ELECTRICAL PLAN NOTES:**
- INSTALL INDIVIDUAL GFCI-PROTECTED THRU DEVICE TO PROTECT EACH NON-GFI RECEPTACLE IN BREAKROOM. INSTALL GFCI PROTECTIVE DEVICE ACCESSIBLE FOR RESET.
 - MECHANICAL THERMOSTAT LOCATION. PROVIDE JUNCTION BOX AND 1/2" CONDUIT TO ABOVE CEILING FOR CONTROL WIRING.
 - INSTALL JUNCTION BOX ACCESSIBLE ABOVE EDGE OF CEILING FOR FUTURE ELECTRICAL CIRCUIT EXTENSION.
 - INSTALL JUNCTION BOX FOR LUTRON ROLLER SHADE CONTROL PANEL. LOCATE PANEL ABOVE ACCESSIBLE CEILING LOCATION AND OUT OF PUBLIC VIEW.
 - PER ASHRAE 90.1 2016 1 CIRCUIT IN FURNITURE FEED TO BE CONTROLLED VIA LOCAL OCCUPANCY SENSOR.

NOTE: REFER TO SECURITY AND TELECOM DRAWINGS FOR ALL DOOR SECURITY AND DATA DEVICE LOCATIONS.



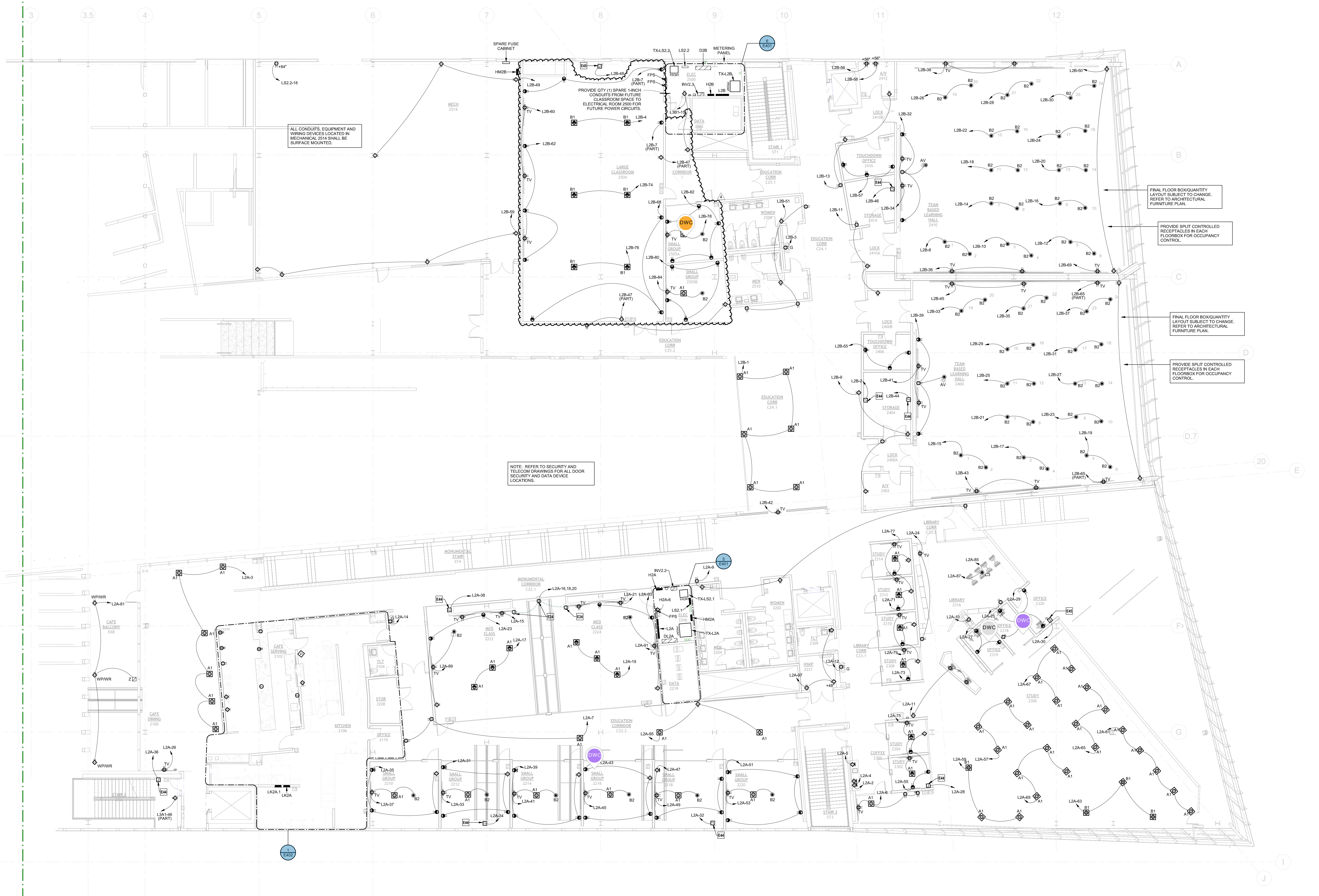
1 POWER - LEVEL 1 PLAN - AREA B
 1/8" = 1'-0"





REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.15.23	ADDENDUM 1
2	06.29.23	ADDENDUM 2
3	11.13.23	PRO-29
4	04.18.24	PRO-01

- GENERAL NOTE:**
- IN COMPLIANCE WITH IBC, PENETRATIONS INTO OR THROUGH INTERIOR EXIT STAIRWAYS ARE PROHIBITED EXCEPT AS ALLOWED IN 2021 IBC SECTION 1023.5
 - ADDITIONAL ESN CONTROL MODULES ARE REQUIRED FOR CONTROLLED RECEPTACLES. COORDINATE WITH LUTRON TO PROVIDE ALL ESN CONTROL MODULES FOR CONTROLLED RECEPTACLES. LOCATE ESN MODULES IN LOCATIONS SIMILAR TO LIGHTING CONTROL ESN MODULES AND INTEGRATE INTO LUTRON CONTROLS SYSTEM.
- ELECTRICAL PLAN NOTES:**
- E24 JUNCTION BOX FOR RAISING WALL. COORDINATE FINAL LOCATION OF JUNCTION BOX WITH MANUFACTURER. INSTALL CONTROL STATION AS SHOWN. PROVIDE 1/2" CONDUIT FROM JUNCTION BOX TO ABOVE CEILING FOR CONTROL WIRE FROM CONTROL STATION TO WALL MOTOR.
 - E44 INSTALL JUNCTION BOX FOR LUTRON ROLLER SHADE CONTROL PANEL. LOCATE PANEL ABOVE ACCESSIBLE CEILING LOCATION AND OUT OF PUBLIC VIEW.
 - E45 INSTALL JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR FUTURE LUTRON ROLLER SHADE CONTROL PANEL.



ALL CONDUITS, EQUIPMENT AND WIRING DEVICES LOCATED IN MECHANICAL 2314 SHALL BE SURFACE MOUNTED.

NOTE: REFER TO SECURITY AND TELECOM DRAWINGS FOR ALL DOOR SECURITY AND DATA DEVICE LOCATIONS.

FINAL FLOOR BOX QUANTITY LAYOUT SUBJECT TO CHANGE. REFER TO ARCHITECTURAL FURNITURE PLAN.

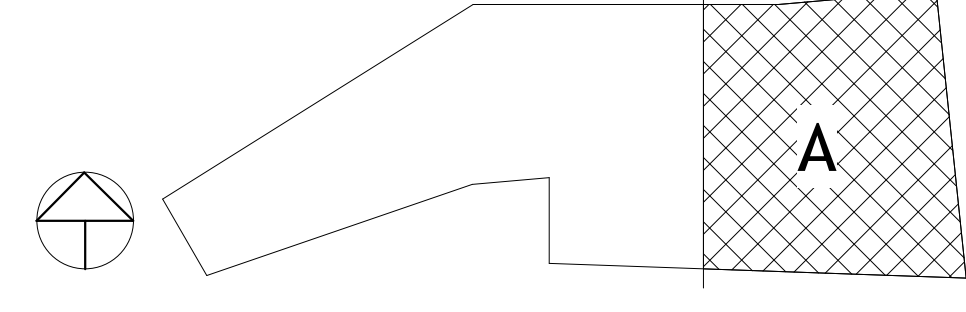
PROVIDE SPLIT CONTROLLED RECEPTACLES IN EACH FLOORBOX FOR OCCUPANCY CONTROL.

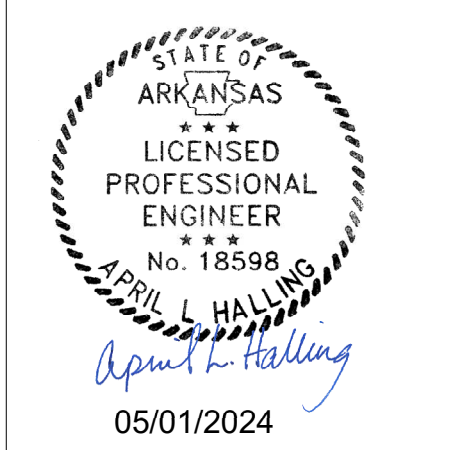
FINAL FLOOR BOX QUANTITY LAYOUT SUBJECT TO CHANGE. REFER TO ARCHITECTURAL FURNITURE PLAN.

PROVIDE SPLIT CONTROLLED RECEPTACLES IN EACH FLOORBOX FOR OCCUPANCY CONTROL.

POWER - LEVEL 2 PLAN - AREA A
1/8" = 1'-0"

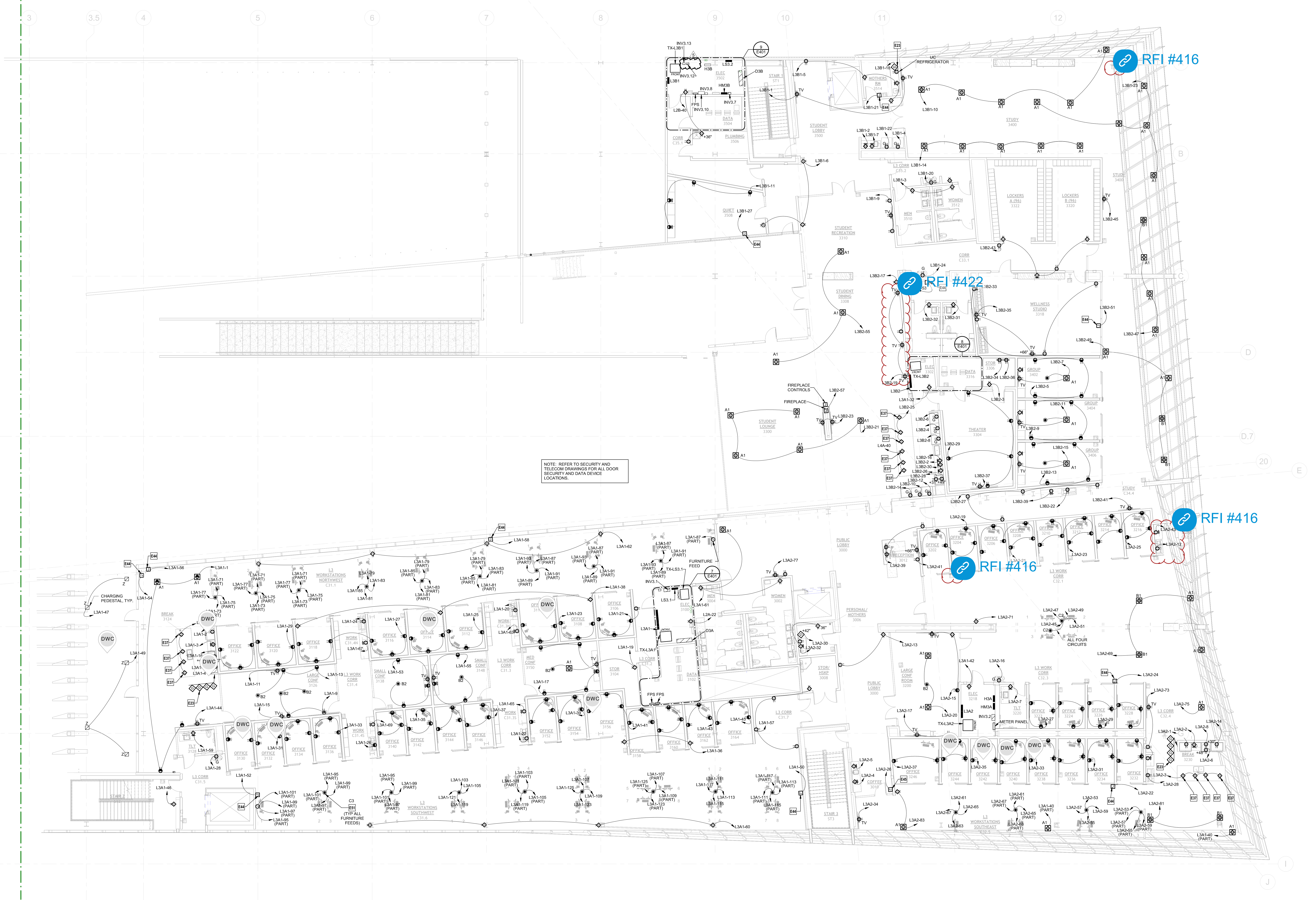
KEY PLAN





REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/15/23	ADDENDUM 1
2	06/23/23	ADDENDUM 2
3	11/15/23	REVISED
4	12/23/23	REVISED
5	02/01/24	REVISED

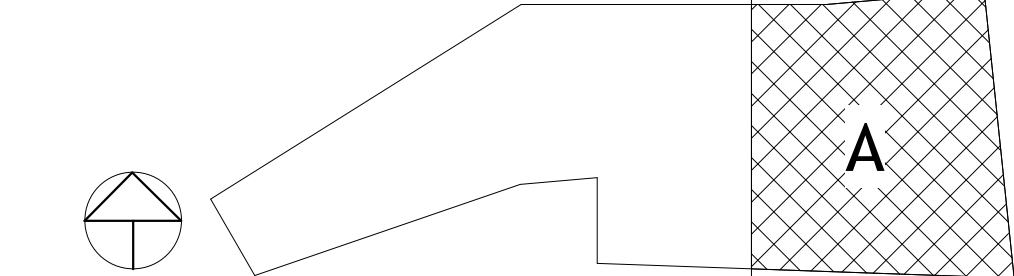
- GENERAL NOTE:**
- IN COMPLIANCE WITH IBC, PENETRATIONS INTO OR THROUGH INTERIOR EXISTING STAIRWAYS ARE PROHIBITED EXCEPT AS ALLOWED IN 2021 IBC SECTION 1023.5
 - ADDITIONAL ESN CONTROL MODULES ARE REQUIRED TO PROVIDE ALL ESN CONTROL RECEPTACLES. COORDINATE WITH LITRION TO PROVIDE ALL ESN CONTROL MODULES FOR CONTROLLED RECEPTACLES. LOCATE ESN CONTROL MODULES FOR CONTROLLED RECEPTACLES IN LOCATIONS SIMILAR TO LIGHTING CONTROL ESN MODULES AND INTEGRATE INTO LITRION CONTROLS SYSTEM.
- ELECTRICAL PLAN NOTES:**
- INSTALL INDIVIDUAL GFCI-PROTECTED THROUGH DEVICE TO PROTECT EACH NON-GFI RECEPTACLE AT COUNTER. INSTALL GFCI PROTECTIVE DEVICE AT LOCATION SHOWN ACCESSIBLE FOR RESET.
 - INSTALL RECEPTACLES ACCESSIBLE BELOW COUNTER ON CASEWORK AT CHAIR RISE SPACE.
 - INSTALL JUNCTION BOX FOR LITRION ROLLER SHADE CONTROL PANEL. LOCATE PANEL ABOVE ACCESSIBLE CEILING LOCATION AND OUT OF PUBLIC VIEW.
 - INSTALL JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR FUTURE LITRION ROLLER SHADE CONTROL PANEL.
 - PER ASHRAE 90.1 2016.1 CIRCUIT IN FURNITURE FEED TO BE CONTROLLED VIA LOCAL OCCUPANCY SENSOR.



NOTE: REFER TO SECURITY AND TELECOM DRAWINGS FOR ALL DOOR SECURITY AND DATA DEVICE LOCATIONS.

POWER - LEVEL 3 PLAN - AREA A
1/8" = 1'-0"

KEY PLAN



- GENERAL NOTE:**
- IN COMPLIANCE WITH IBC, PENETRATIONS INTO OR THROUGH INTERIOR EXISTING STAIRWAYS ARE PROHIBITED EXCEPT AS ALLOWED IN 2021 IBC SECTION 1023.5
 - ADDITIONAL ESN CONTROL MODULES ARE REQUIRED FOR CONTROLLED RECEPTABLES. COORDINATE WITH LUTRON TO PROVIDE ALL ESN CONTROL MODULES FOR CONTROLLED RECEPTABLES. LOCATE ESN MODULES FOR CONTROLLED RECEPTABLES IN LOCATIONS SIMILAR TO LIGHTING CONTROL ESN MODULES AND INTEGRATE INTO LUTRON CONTROLS SYSTEM.
- ELECTRICAL PLAN NOTES:**
- INSTALL INDIVIDUAL GFCI FEED THRU DEVICE TO PROTECT EACH NON-GFI RECEPTACLE AT COUNTER. INSTALL GFCI PROTECTIVE DEVICE AT LOCATION SHOWN ACCESSIBLE FOR RESET.
 - MECHANICAL THERMOSTAT LOCATION. PROVIDE JUNCTION BOX AND 1/2" CONDUIT TO ABOVE CEILING FOR CONTROL WIRING.
 - INSTALL RECEPTABLES ACCESSIBLE BELOW COUNTER ON CASEWORK AT CHAIR KNEE SPACE.
 - INSTALL GFCI FEED-THRU DEVICE ON WALL 12-INCHES BELOW CEILING.
 - INSTALL JUNCTION BOX FOR LUTRON ROLLER SHADE CONTROL PANEL. LOCATE PANEL ABOVE ACCESSIBLE CEILING LOCATION AND OUT OF PUBLIC VIEW.
 - INSTALL JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR FUTURE LUTRON ROLLER SHADE CONTROL PANEL.

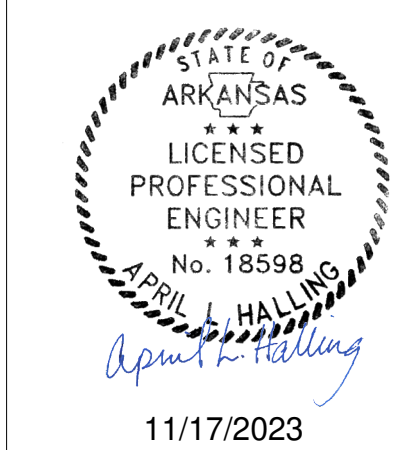
NOTE: REFER TO SECURITY AND TELECOM DRAWINGS FOR ALL DOOR SECURITY AND DATA DEVICE LOCATIONS.

RFI #416

RFI #416

POWER - LEVEL 4 PLAN - AREA A
1/8" = 1'-0"

KEY PLAN



AWSOM
Bentonville, AR

Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.15.23	ADDendum 1
2	06.29.23	ADDendum 2
3	11.15.23	REVISED

Contents:
POWER - LEVEL 4 PLAN - AREA A

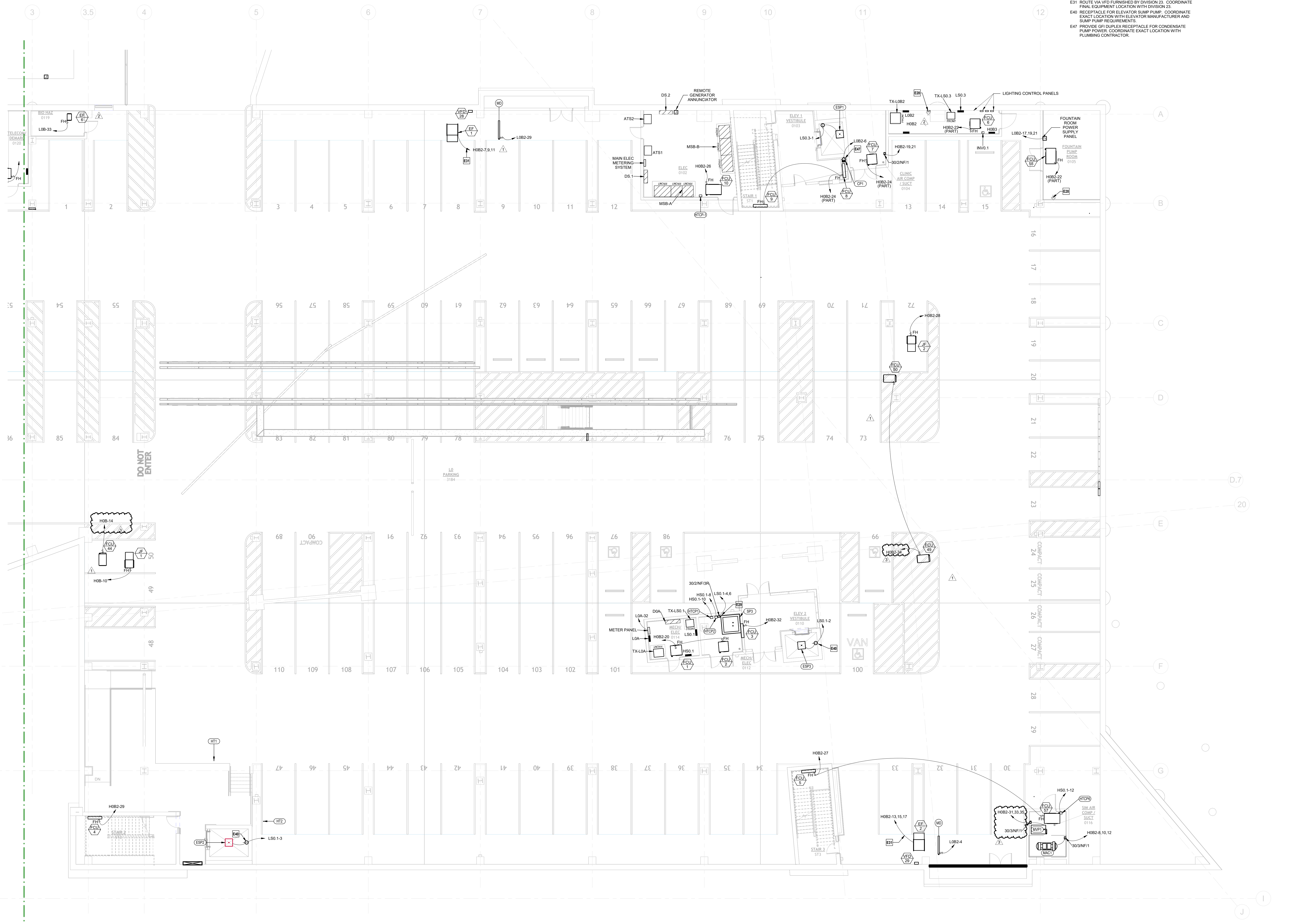




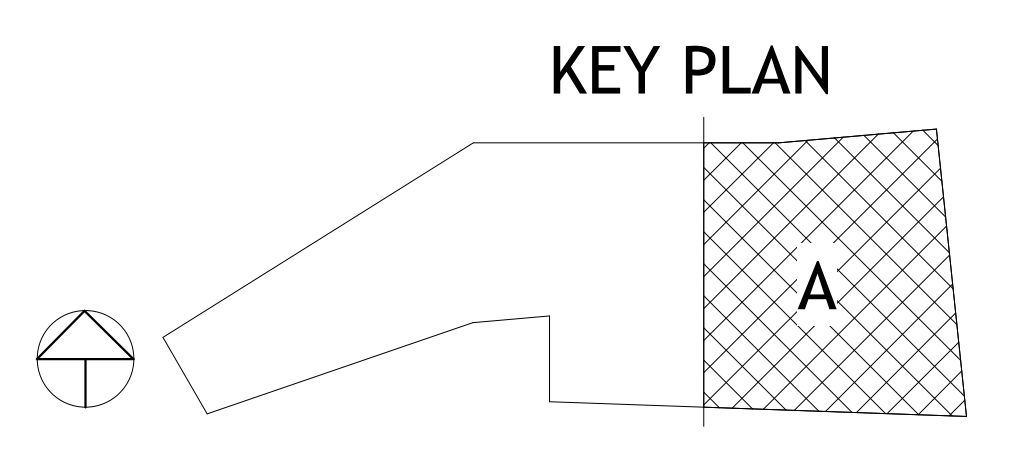
REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/13/23	As Noted
2	06/29/23	As Noted
3	08/15/23	Revise

Consents:
EQUIPMENT CONNECTION - LEVEL 0 PLAN - AREA A

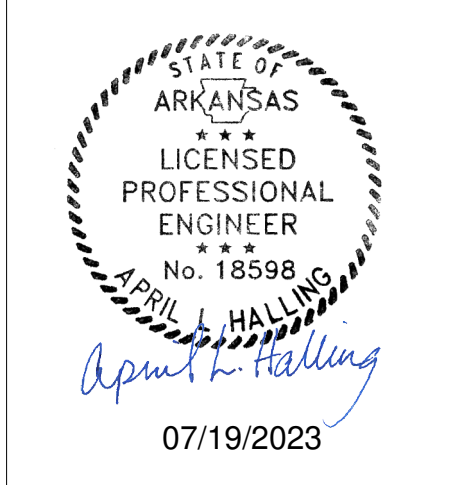
- ELECTRICAL PLAN NOTES:**
- E28 DEVICE DUPLICATED FROM CORRESPONDING POWER SHEET AND IS FOR REFERENCE ONLY.
 - E29 PROVIDE DISCONNECT AS INDICATED AND PROVIDE FINAL POWER CONNECTION TO CONTROL PANEL, FURNISHED BY DIVISION 22. PROVIDE FINAL CONNECTION TO (2) PUMPS IN SUMP PIT FROM CONTROL PANEL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - E31 ROUTE VIA VFD FURNISHED BY DIVISION 23. COORDINATE FINAL EQUIPMENT LOCATION WITH DIVISION 23.
 - E40 RECEPTACLE FOR ELEVATOR SUMP PUMP. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER AND SUMP PUMP REQUIREMENTS.
 - E47 PROVIDE GFI DUPLEX RECEPTACLE FOR CONDENSATE PUMP POWER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.



EQUIPMENT CONNECTION - LEVEL 0 PLAN - AREA A
1/8" = 1'-0"



PSW Job Number:
993A
Henderson Job Number:
2150002607



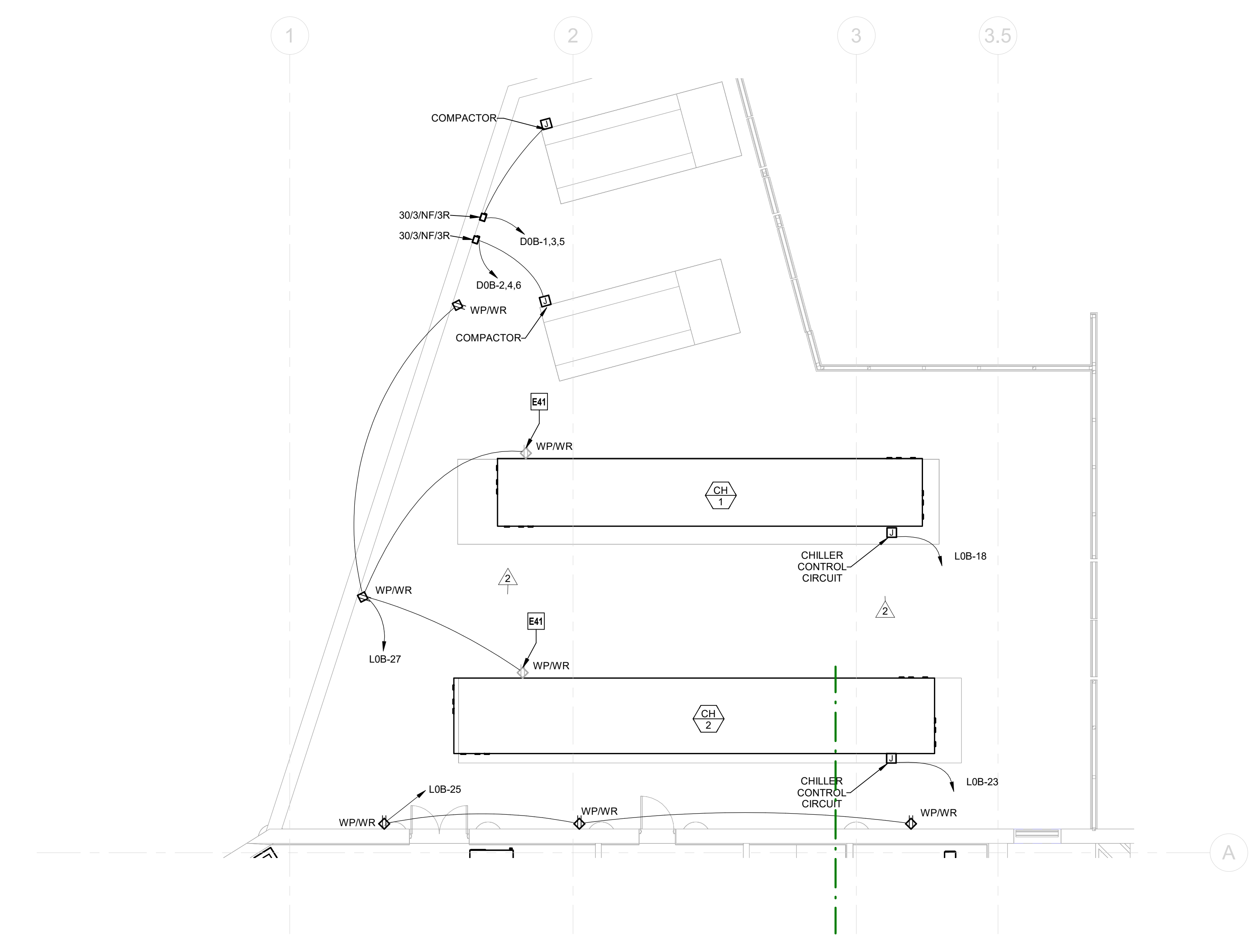
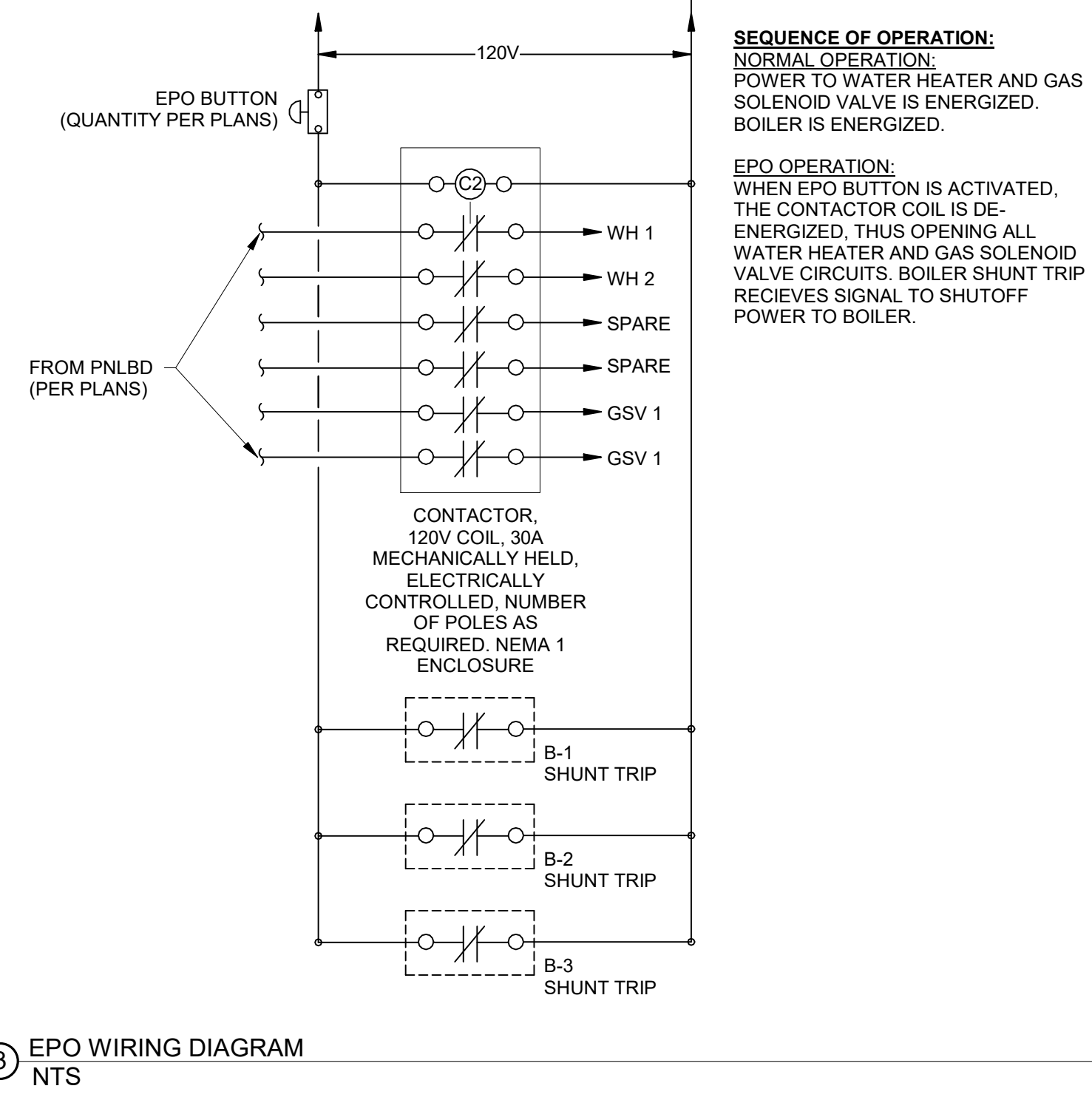
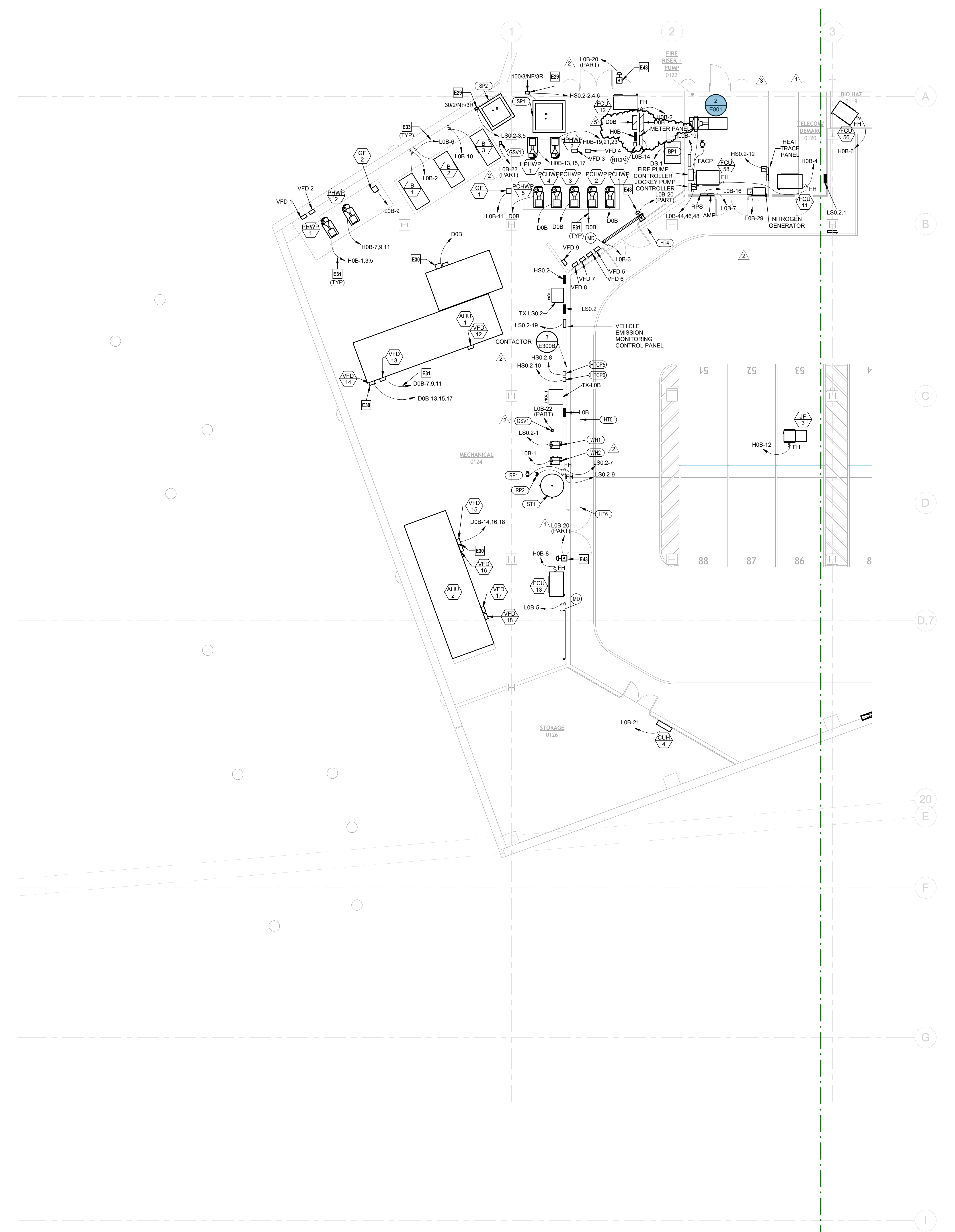
AWSOM
Bentonville, AR

Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/15/23	Addendum 1
2	06/09/23	Addendum 2
3	06/15/23	Addendum 3
5	07/19/23	PR-003

Consents:
EQUIPMENT CONNECTION - LEVEL 0 PLAN - AREA B

- ELECTRICAL PLAN NOTES:**
- E29 PROVIDE DISCONNECT AS INDICATED AND PROVIDE FINAL POWER CONNECTION TO CONTROL PANEL FURNISHED BY DIVISION 22. PROVIDE FINAL CONNECTION TO (2) PUMPS IN SLUMP PIT FROM CONTROL PANEL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - E30 PROVIDE FINAL CONNECTION TO VFD FURNISHED WITH EQUIPMENT.
 - E31 ROUTE VIA VFD FURNISHED BY DIVISION 23. COORDINATE FINAL EQUIPMENT LOCATION WITH DIVISION 23.
 - E32 ROUTE VIA BOILER SHUTDOWN CONTACTOR.
 - E41 RECEPTACLE PROVIDED BY MANUFACTURER ON MECHANICAL EQUIPMENT. PROVIDE CIRCUIT FOR RECEPTACLE AS INDICATED AND SEPARATE FROM MECHANICAL EQUIPMENT ELECTRICAL FEEDER.
 - E43 PUSHBUTTON FOR BOILER EMERGENCY SHUT OFF. REFER TO DETAIL.



EQUIPMENT CONNECTION - LEVEL 0 PLAN - SERVICE YARD
1/8" = 1'-0"

EQUIPMENT CONNECTION - LEVEL 0 PLAN - AREA B
1/8" = 1'-0"

KEY PLAN

THIS PAGE IS BEST VIEWED IN COLOR

E300B



REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.19.23	Addendum 1
2	08.18.23	PR-025
3	04.14.24	PR-024

Contents:
EQUIPMENT CONNECTION - LEVEL 1 PLAN - AREA A

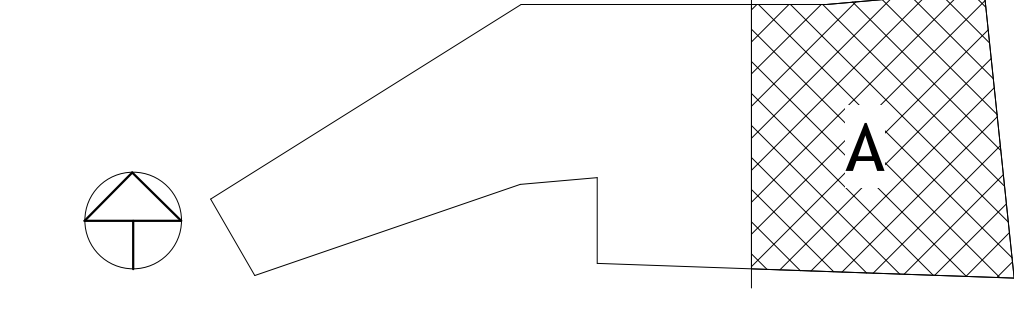
ELECTRICAL PLAN NOTES:

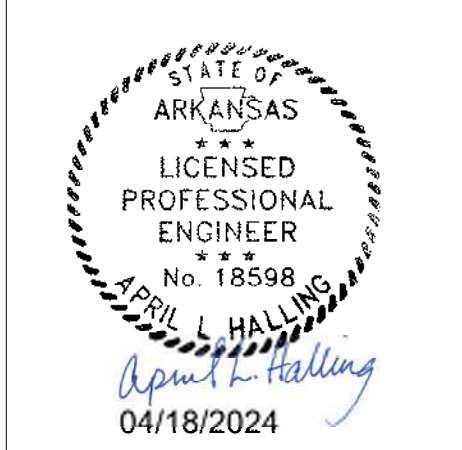
- E26 VAV BOX PROVIDED WITH INTEGRAL DISCONNECTING MEANS. VAV BOX REMOTE CONTROL TRANSFORMERS TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
- E27 BASEBOARD WALL HEATERS CONTROL CIRCUIT TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
- E28 DEVICE DUPLICATED FROM CORRESPONDING POWER SHEET AND IS FOR REFERENCE ONLY.
- E31 ROUTE VIA VFD FURNISHED BY DIVISION 23. COORDINATE WITH MECHANICAL AND ARCHITECTURE SHEETS.
- E39 500VA CONTROL TRANSFORMER BY DIVISION 23 CONTRACTOR TO SERVE UP TO 10 VAV BOXES. PRIMARY VOLTAGE RATING 277V. SECONDARY VOLTAGE RATING 24V. LOCATE ABOVE ACCESSIBLE CEILING.
- E40 TRENCH HEATER POWER CONTROL PROVIDED BY DIVISION 23 CONTRACTOR.



1 EQUIPMENT CONNECTION - LEVEL 1 PLAN - AREA A
 1/8" = 1'-0"

KEY PLAN





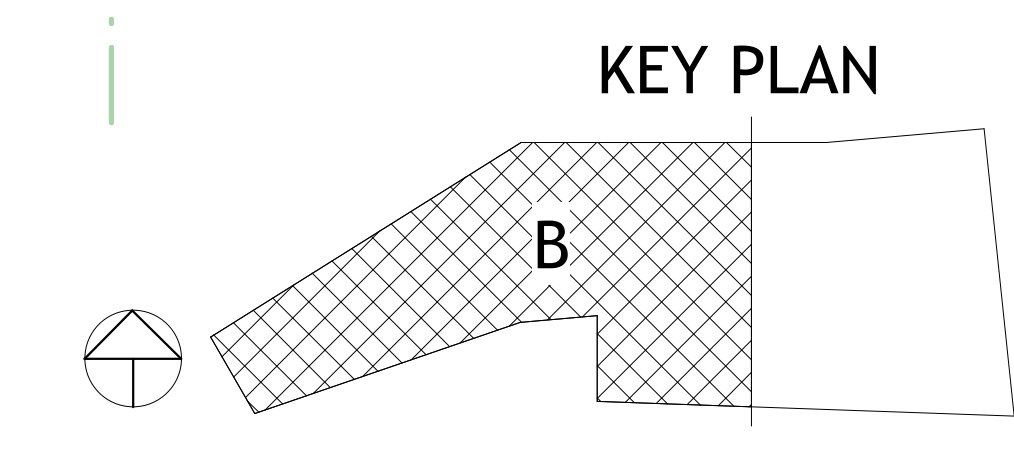
REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.10.23	ADDENDUM 1
2	06.09.23	ADDENDUM 2
3	04.18.24	REVISED

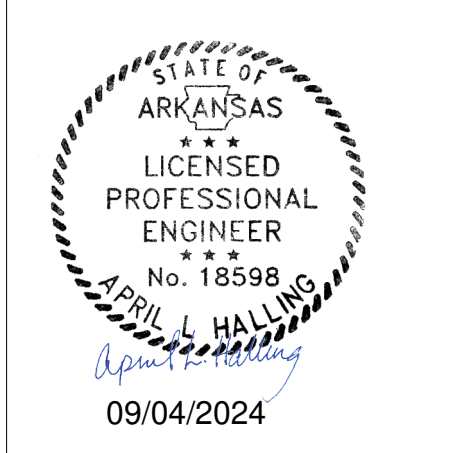
Contents:
 EQUIPMENT CONNECTION - LEVEL 1 PLAN - AREA B

- ELECTRICAL PLAN NOTES:**
- E26 VAV BOX PROVIDED WITH INTEGRAL DISCONNECTING MEANS. VAV BOX REMOTE CONTROL TRANSFORMERS TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
 - E27 BASEBOARD WALL HEATERS CONTROL CIRCUIT TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
 - E28 DEVICE DUPLICATED FROM CORRESPONDING POWER SHEET AND IS FOR REFERENCE ONLY.
 - E47 PROVIDE GFI DUPLEX RECEPTACLE FOR CONDENSATE PUMP POWER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
 - E49 200VA CONTROL TRANSFORMER BY DIVISION 23 CONTRACTOR TO SERVE UP TO 10 VAV BOXES. PRIMARY VOLTAGE RATING 277V, SECONDARY VOLTAGE RATING 24V. LOCATE ABOVE ACCESSIBLE CEILING.



1 EQUIPMENT CONNECTION - LEVEL 1 PLAN - AREA B
 1/8" = 1'-0"





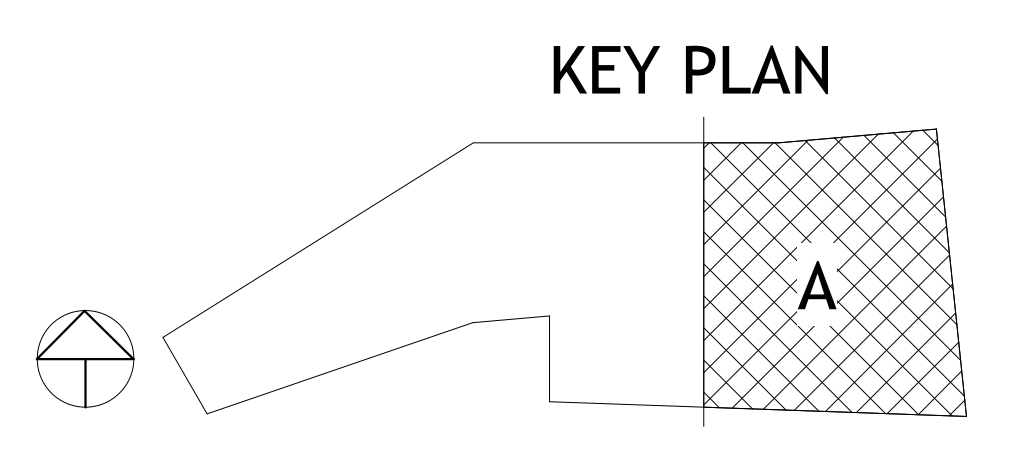
REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/10/23	ADDendum 1
2	06/29/23	ADDendum 2
3	08/04/24	REV.008

Contents:
EQUIPMENT CONNECTION - LEVEL 2 PLAN - AREA A

- ELECTRICAL PLAN NOTES:**
- E26 VAV BOX PROVIDED WITH INTEGRAL DISCONNECTING MEANS. VAV BOX REMOTE CONTROL TRANSFORMERS TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
 - E27 BASEBOARD WALL HEATERS CONTROL CIRCUIT TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
 - E28 DEVICE DUPLICATED FROM CORRESPONDING POWER SHEET AND IS FOR REFERENCE ONLY.
 - E31 ROUTE VIA VFD FURNISHED BY DIVISION 23. COORDINATE FINAL EQUIPMENT LOCATION WITH DIVISION 23.
 - E37 PROVIDE GFI DUPLEX RECEPTACLE FOR CONDENSATE PUMP POWER. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
 - E49 500VA CONTROL S TRANSFORMER BY DIVISION 23 CONTRACTOR TO SERVE UP TO 10 VAV BOXES. PRIMARY VOLTAGE RATING 277V. SECONDARY VOLTAGE RATING 24V. LOCATE ABOVE ACCESSIBLE CEILING.



① EQUIPMENT CONNECTION - LEVEL 2 PLAN - AREA A
1/8" = 1'-0"



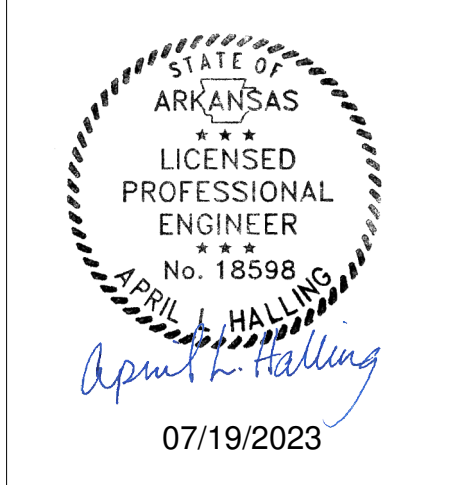
ELECTRICAL PLAN NOTES:

- E26 VAV BOX PROVIDED WITH INTEGRAL DISCONNECTING MEANS. VAV BOX REMOTE CONTROL TRANSFORMERS TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
- E27 BASEBOARD WALL HEATERS CONTROL CIRCUIT TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
- E28 DEVICE DUPLICATED FROM CORRESPONDING POWER SHEET AND IS FOR REFERENCE ONLY.
- E34 INSTALL DUPLEX RECEPTACLE IN BAR JOIST ADJACENT TO DESTAIR/ELEVATOR SHAFT. FAN PROVIDED WITH CORD AND PLUG FOR POWER.
- E49 500VA CONTROL TRANSFORMER BY DIVISION 23 CONTRACTOR TO SERVE UP TO 10 VAV BOXES. PRIMARY VOLTAGE RATING 277V, SECONDARY VOLTAGE RATING 24V. LOCATE ABOVE ACCESSIBLE CEILING.



Ⓢ EQUIPMENT CONNECTION - LEVEL 3 PLAN - AREA A
1/8" = 1'-0"

PSW Job Number:
993A
Henderson Job Number:
2150002607



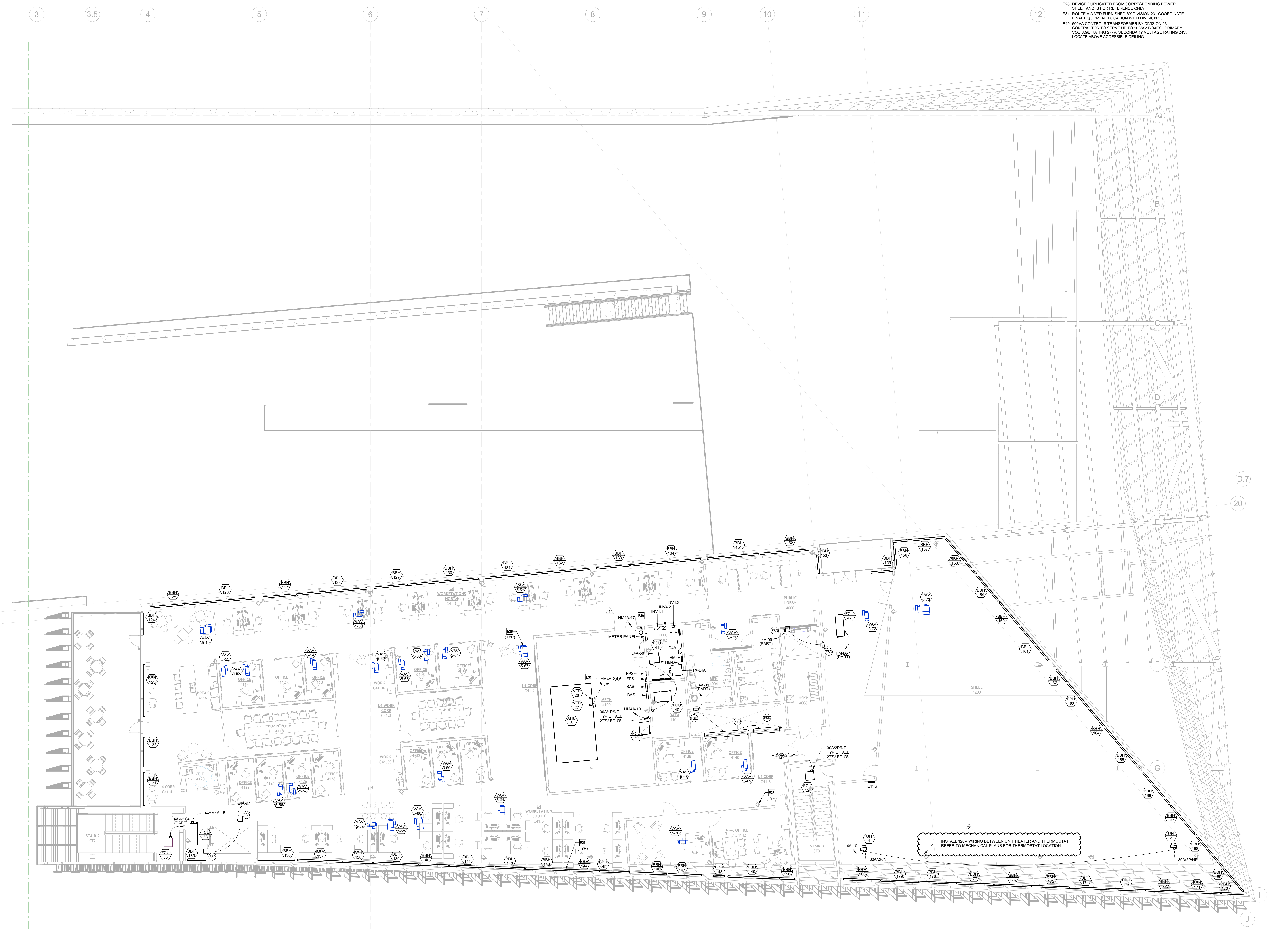
AWSOM
Bentonville, AR

Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/15/23	Addendum 1
2	07/19/23	PR-003

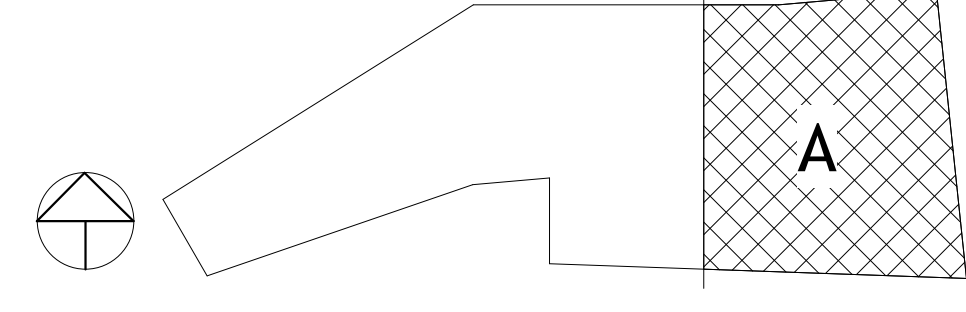
Consents:
EQUIPMENT CONNECTION - LEVEL 3 PLAN - AREA A

- ELECTRICAL PLAN NOTES:**
- E26 VAV BOX PROVIDED WITH INTEGRAL DISCONNECTING MEANS. VAV BOX REMOTE CONTROL TRANSFORMERS TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
 - E27 BASEBOARD WALL HEATERS CONTROL CIRCUIT TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
 - E28 DEVICE DUPLICATED FROM CORRESPONDING POWER SHEET AND IS FOR REFERENCE ONLY.
 - E31 ROUTE VIA VFD FURNISHED BY DIVISION 23. COORDINATE FINAL EQUIPMENT LOCATION WITH DIVISION 23.
 - E49 500VA CONTROLS TRANSFORMER BY DIVISION 23 CONTRACTOR TO SERVE UP TO 10 VAV BOXES. PRIMARY VOLTAGE RATING 277V. SECONDARY VOLTAGE RATING 24V. LOCATE ABOVE ACCESSIBLE CEILING.



① EQUIPMENT CONNECTION - LEVEL 4 PLAN - AREA A
1/8" = 1'-0"

KEY PLAN



PSW Job Number:
993A

Henderson Job Number:
2150002607



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Bentonville, AR

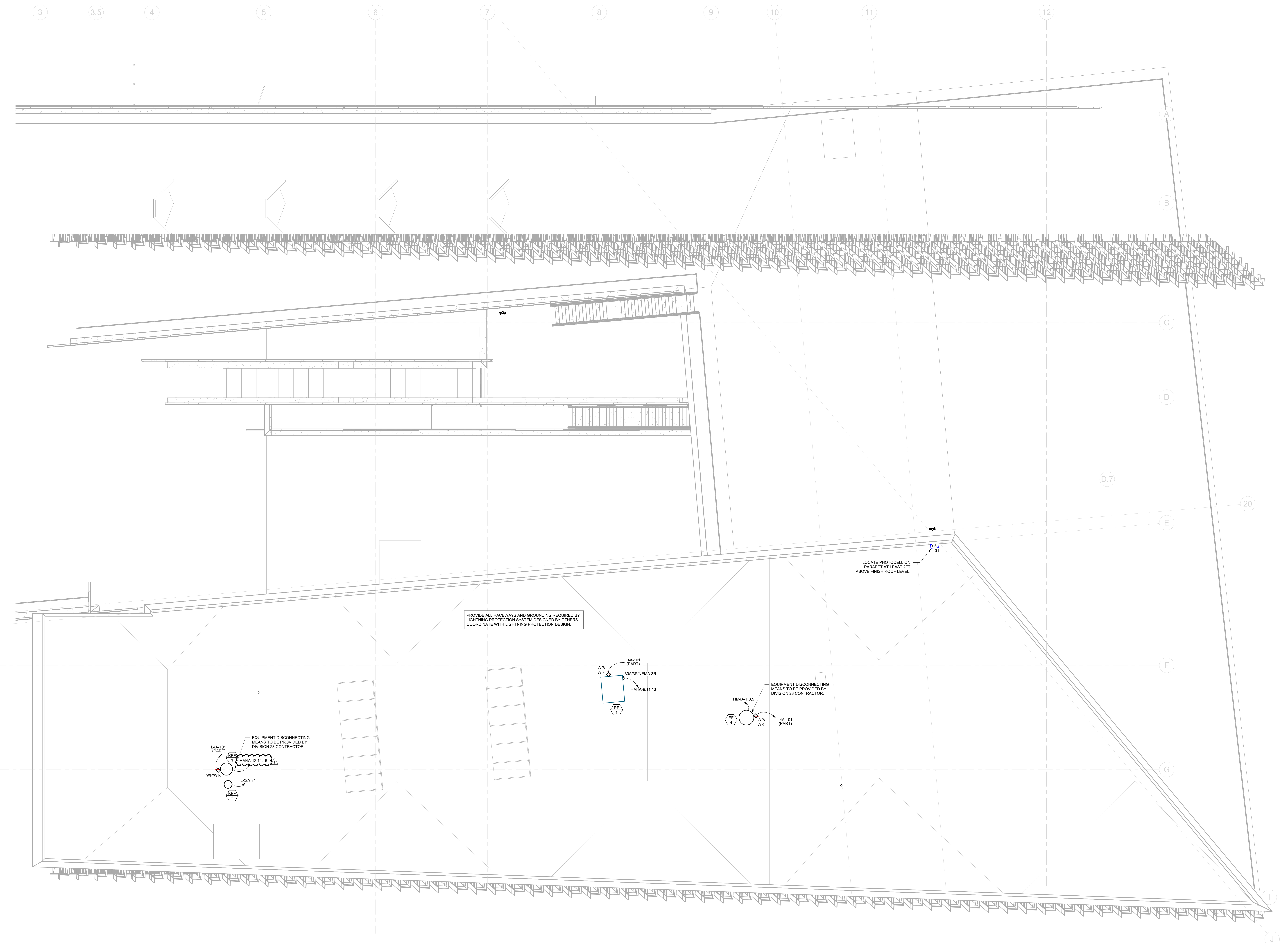
Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/15/23	Addendum 1
2	06/29/23	Addendum 2

Consents:
EQUIPMENT CONNECTION - LEVEL 4 PLAN - AREA A



REVISIONS		
NUMBER	DATE	DESCRIPTION
1	08/15/23	PROJ.



PROVIDE ALL RACEWAYS AND GROUNDING REQUIRED BY LIGHTNING PROTECTION SYSTEM DESIGNED BY OTHERS. COORDINATE WITH LIGHTNING PROTECTION DESIGN.

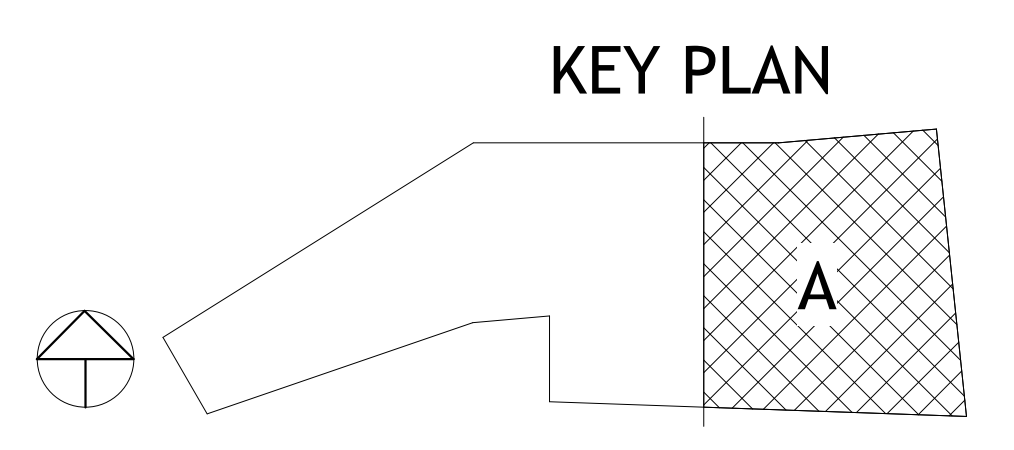
LOCATE PHOTOCELL ON PARAPET AT LEAST 2FT ABOVE FINISH ROOF LEVEL.

EQUIPMENT DISCONNECTING MEANS TO BE PROVIDED BY DIVISION 23 CONTRACTOR.
L4A-101 (PART)
HMAA-12,14,16
LK2A-31
WP/WR
REF 2

L4A-101 (PART)
30A/OP/INEMA 3R
HMAA-9,11,13
WP/WR
REF

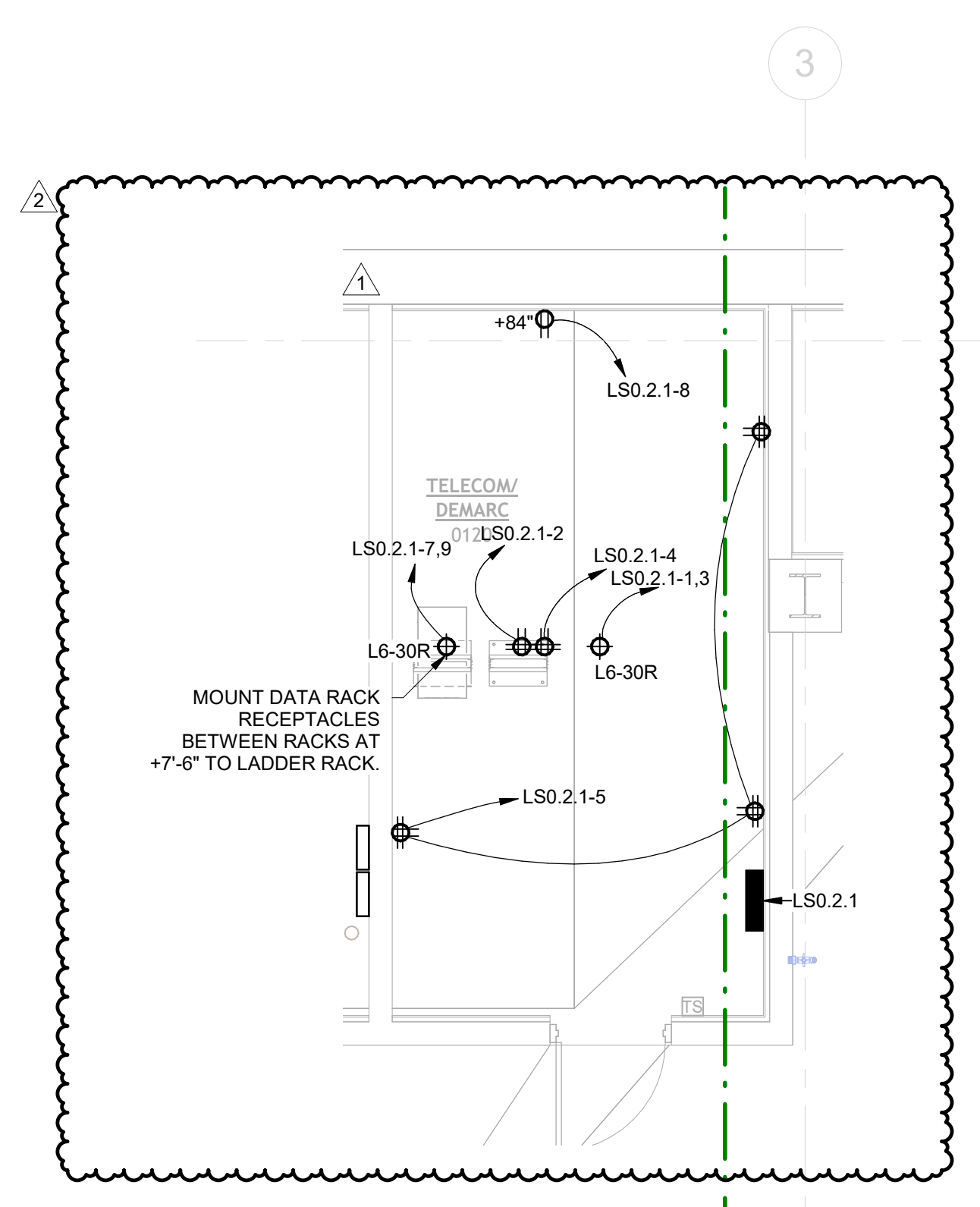
EQUIPMENT DISCONNECTING MEANS TO BE PROVIDED BY DIVISION 23 CONTRACTOR.
HMAA-1,3,5
WP/WR
L4A-101 (PART)

1 ELECTRICAL PLAN - ROOF - AREA A
1/8" = 1'-0"

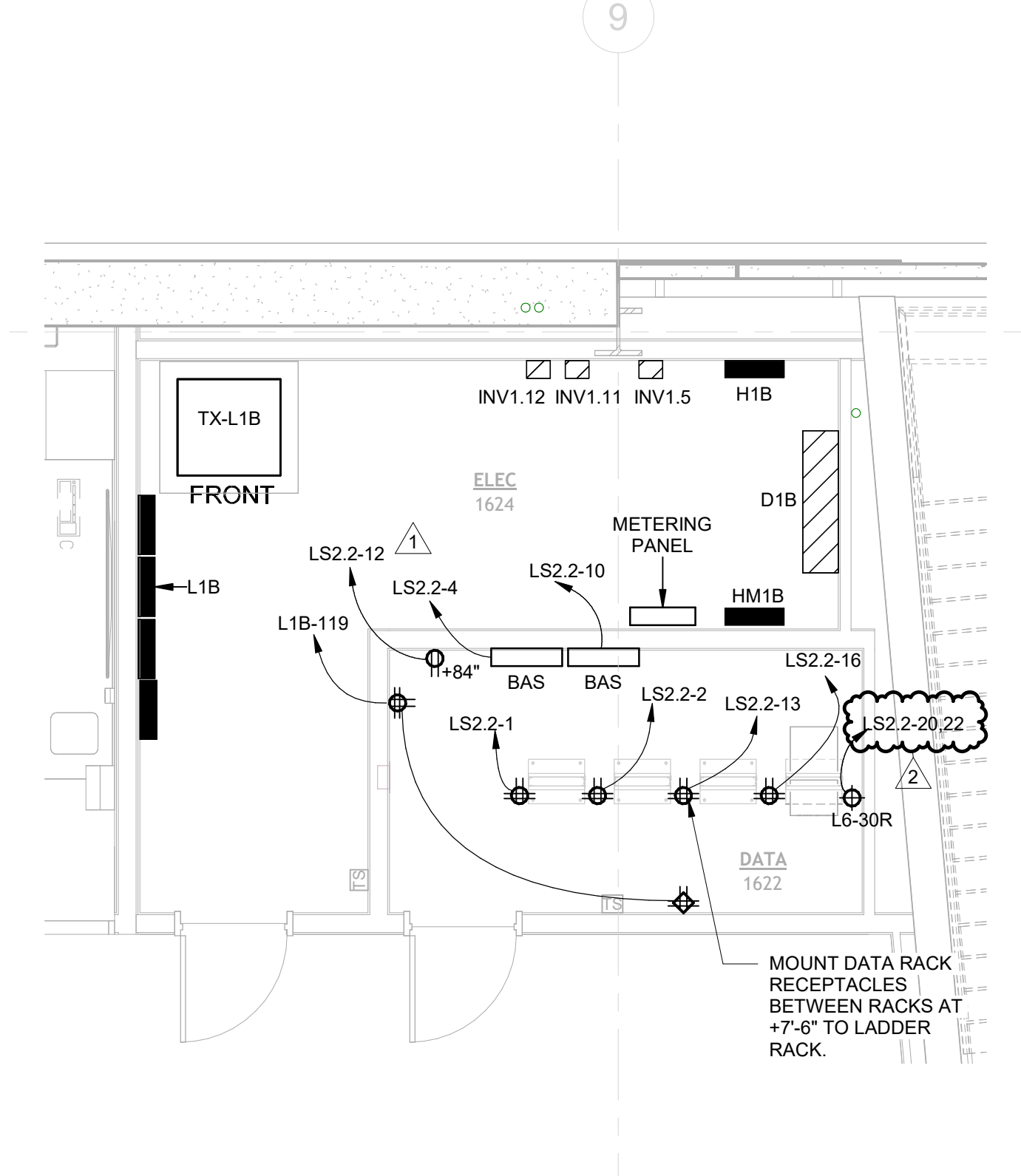




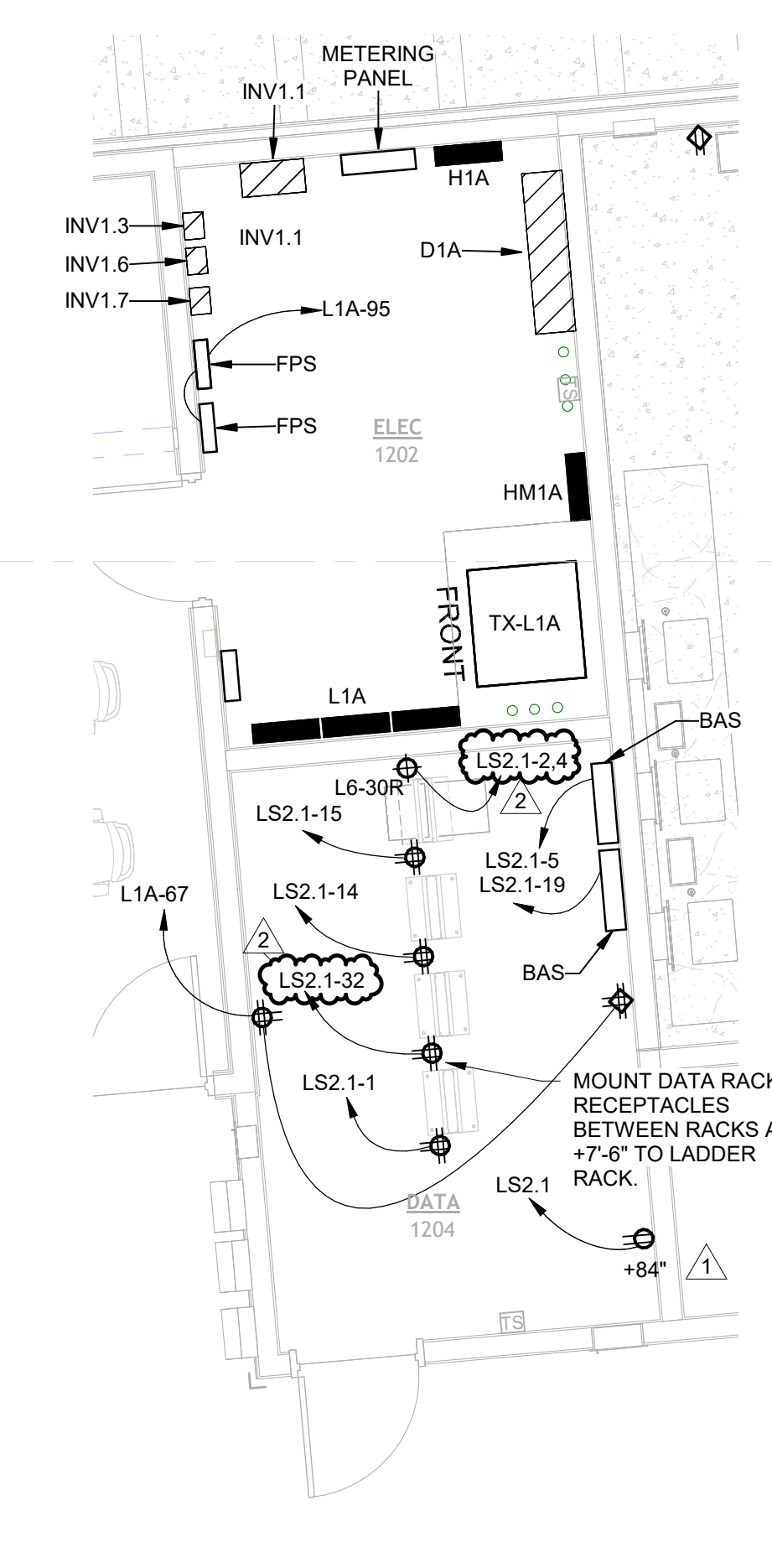
REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.10.23	Addendum 1
2	06.09.23	Addendum 2



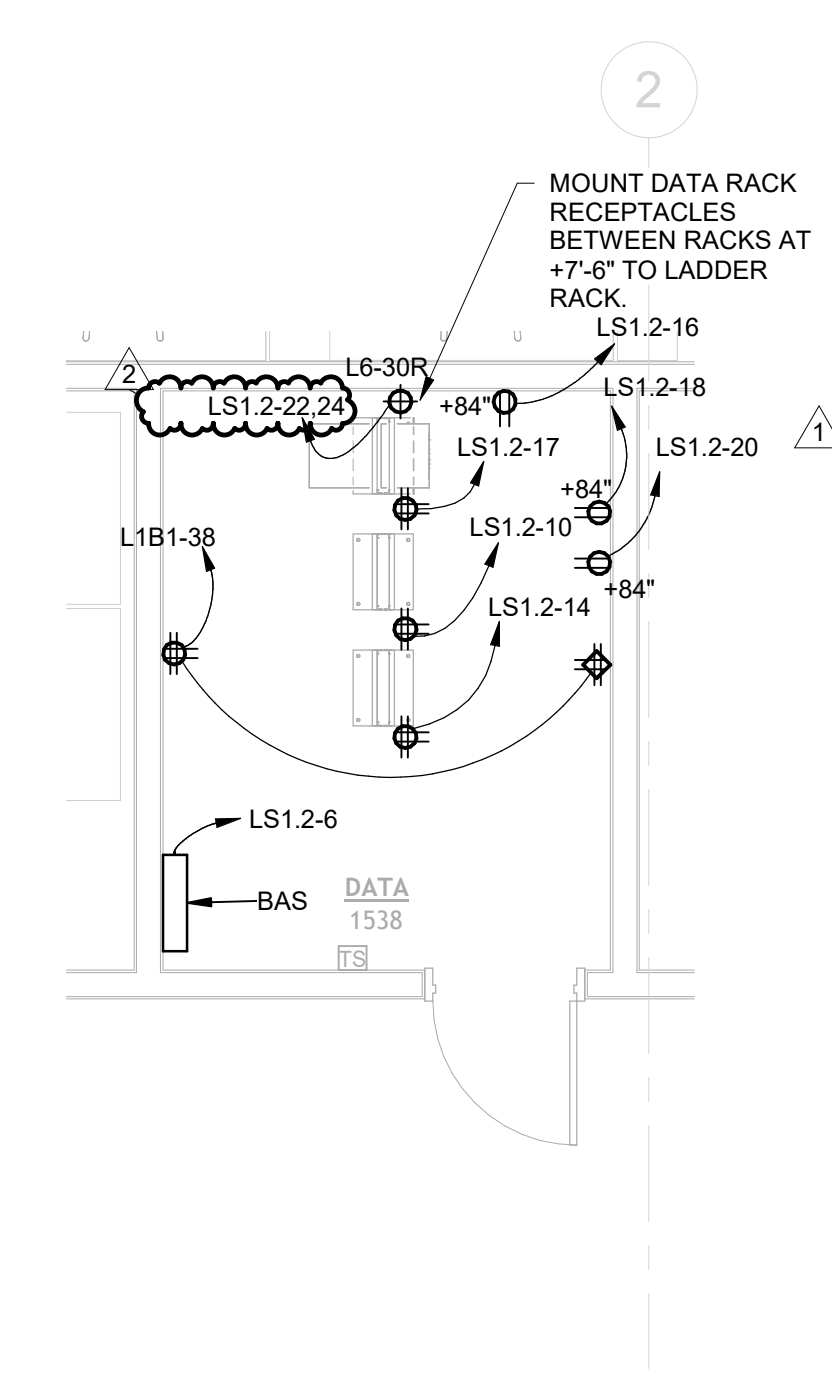
① POWER - LEVEL 0 ENLARGED PLAN - 0120
1/4" = 1'-0"



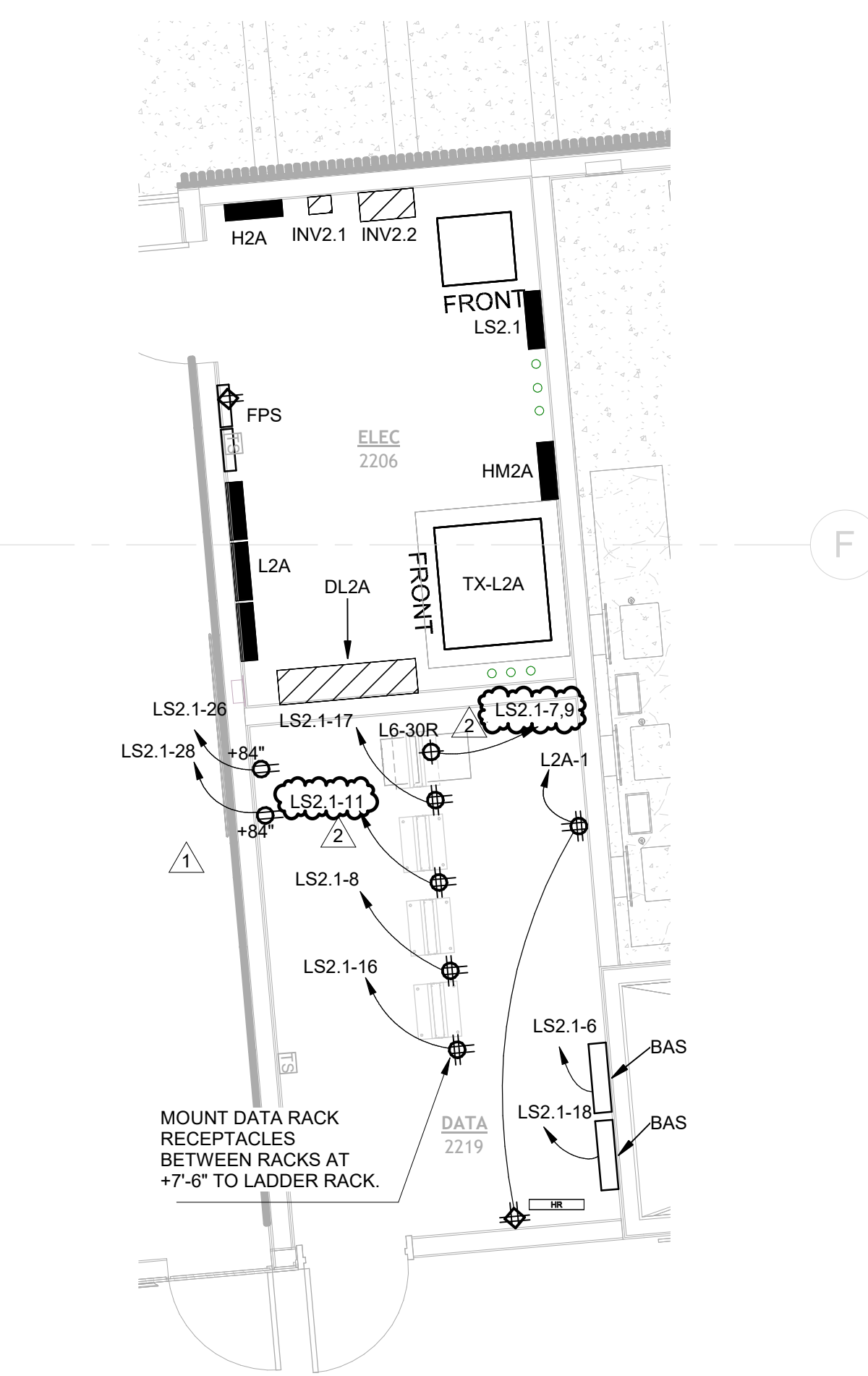
② POWER - LEVEL 1 ENLARGED PLAN - 1622
1/4" = 1'-0"



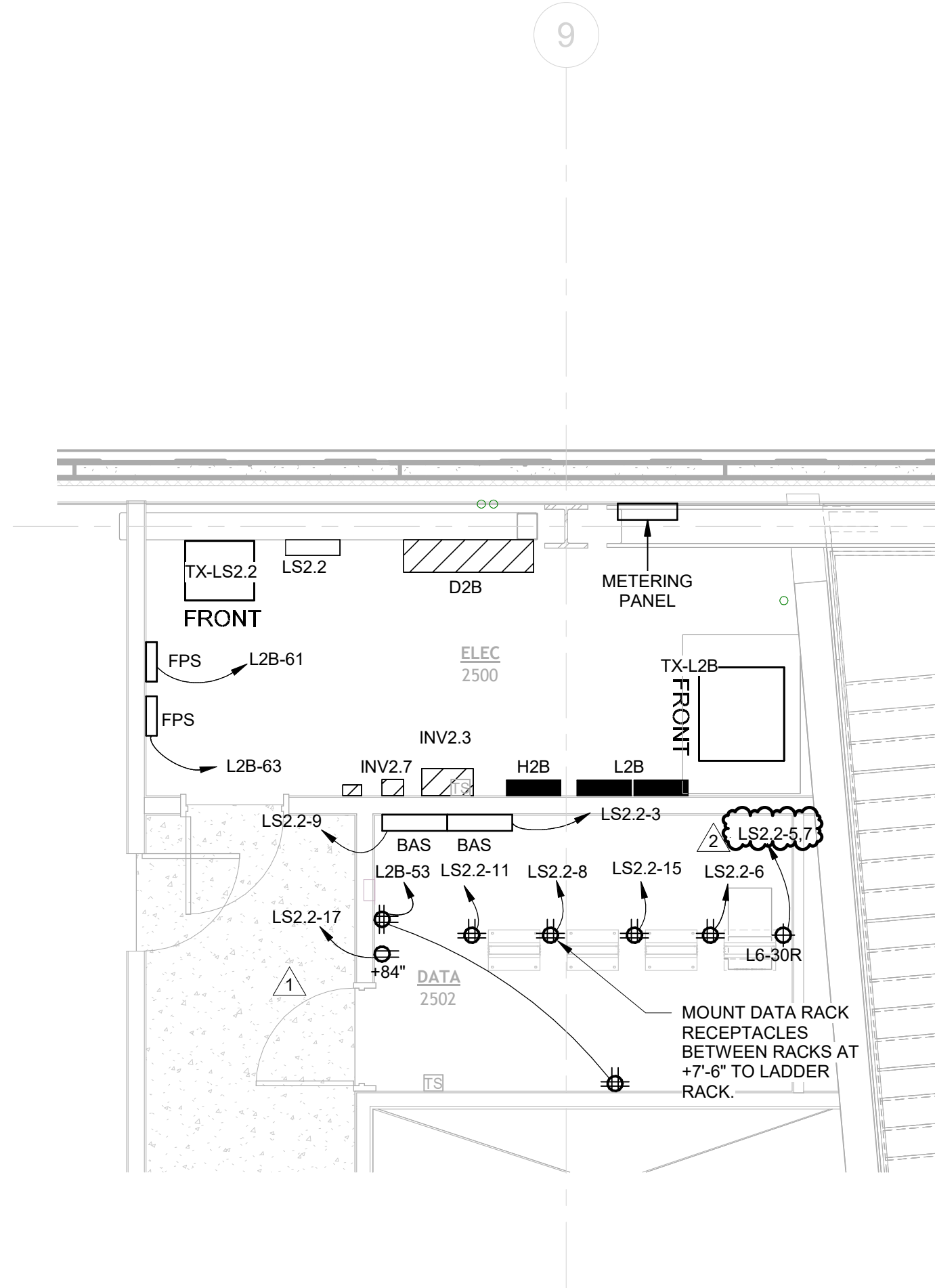
③ POWER - LEVEL 1 ENLARGED PLAN - 1204
1/4" = 1'-0"



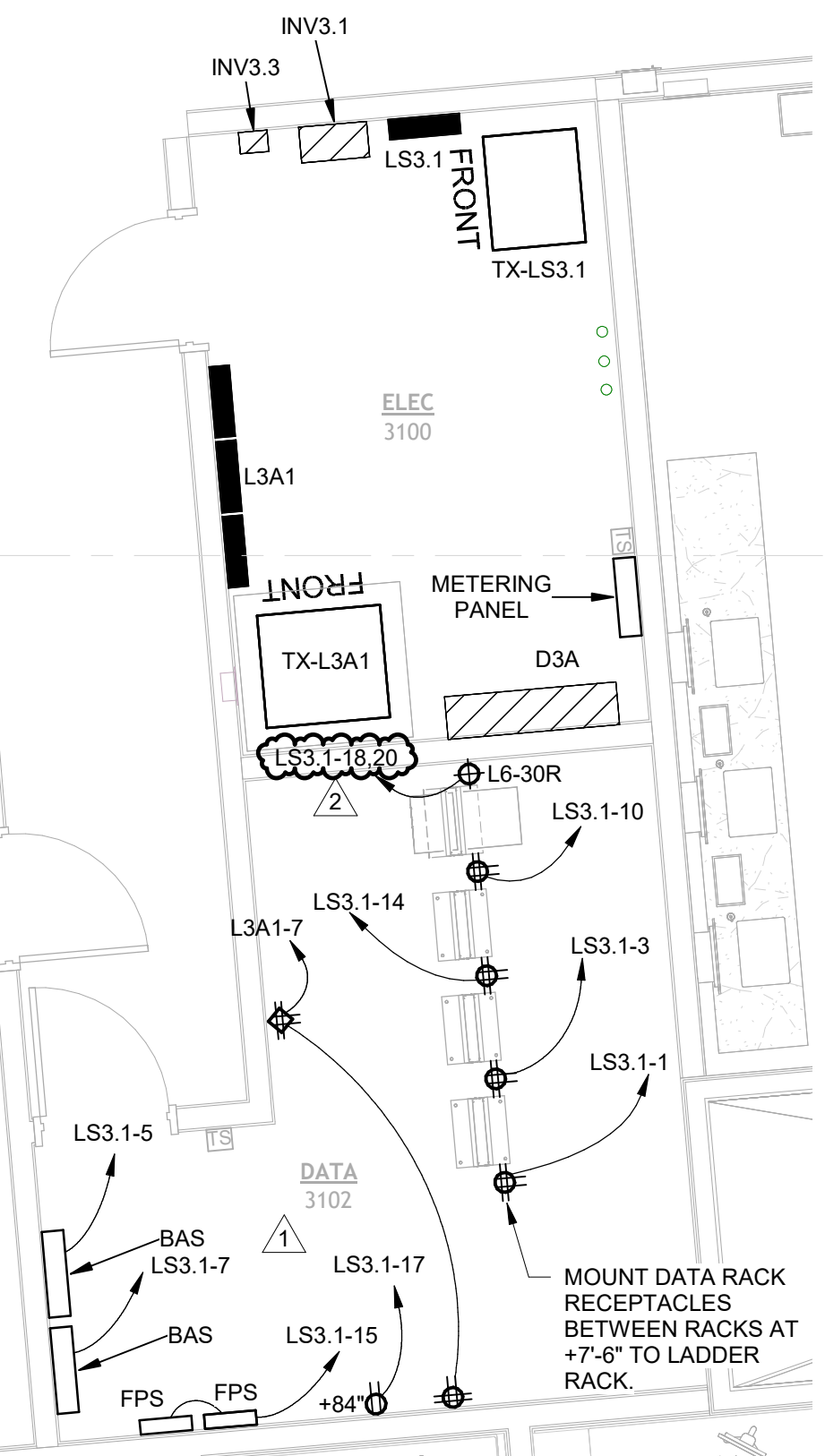
④ POWER - LEVEL 1 ENLARGED PLAN - 1538
1/4" = 1'-0"



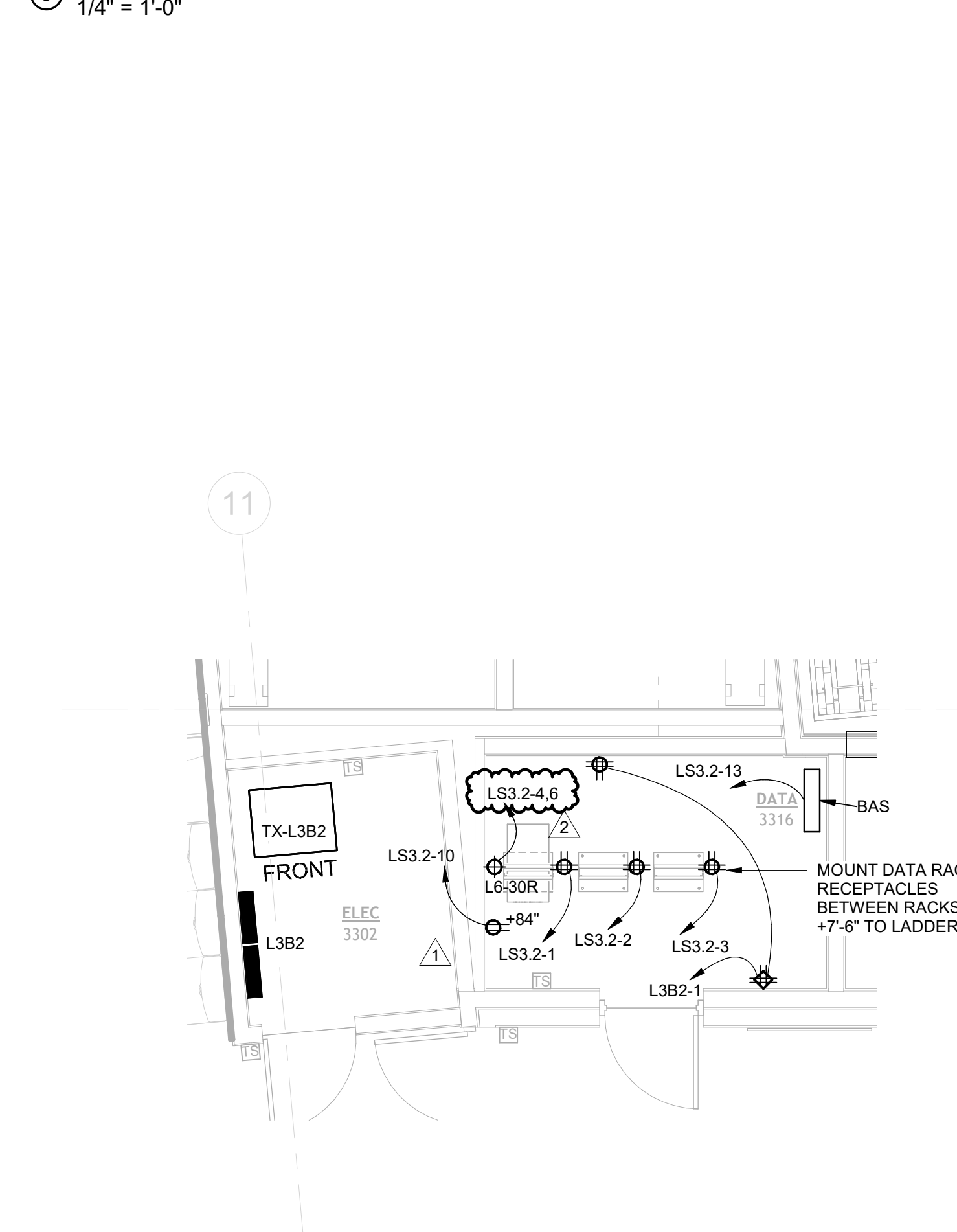
⑤ POWER - LEVEL 2 ENLARGED PLAN - 2219
1/4" = 1'-0"



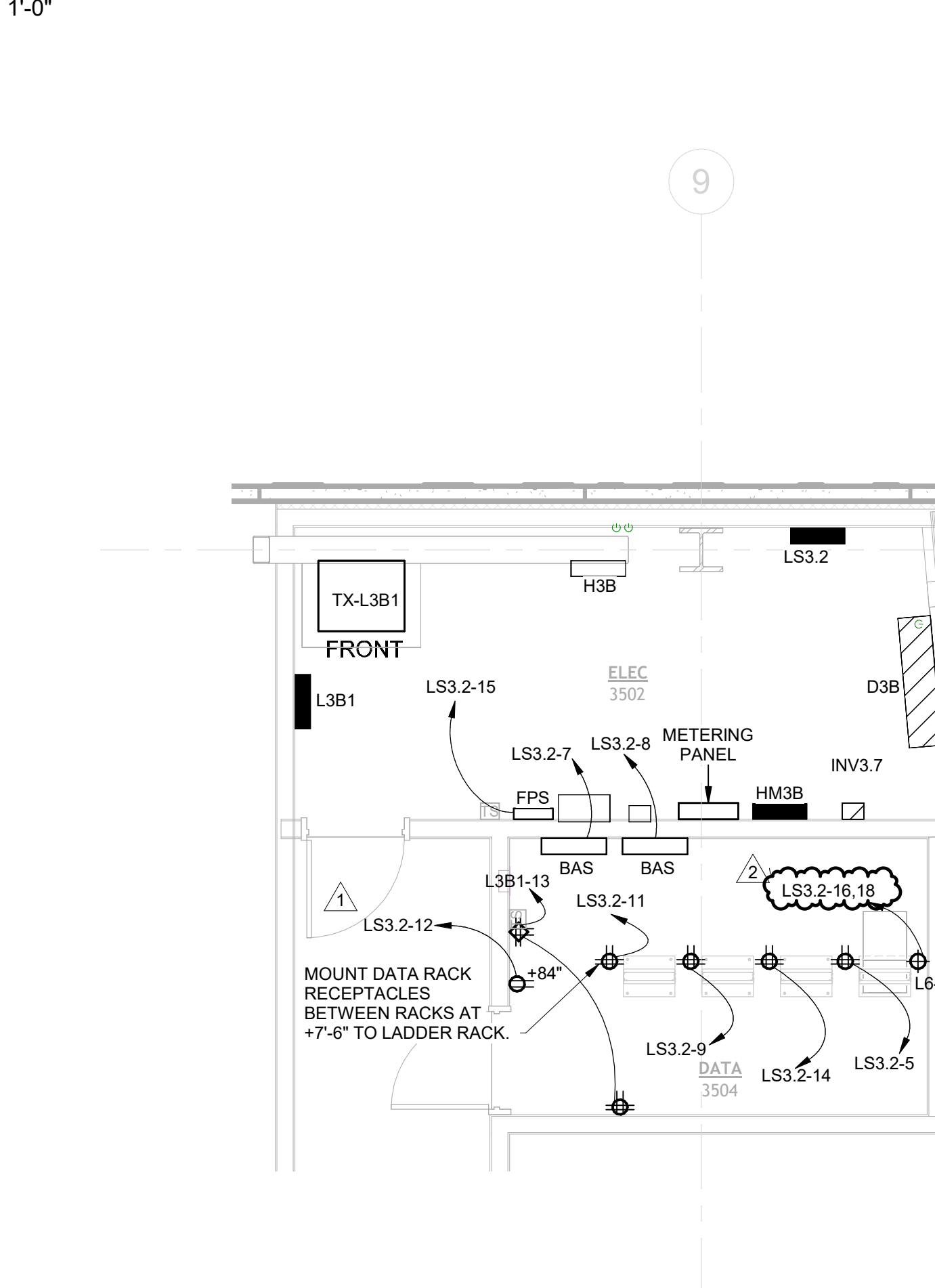
⑥ POWER - LEVEL 2 ENLARGED PLAN - 2502
1/4" = 1'-0"



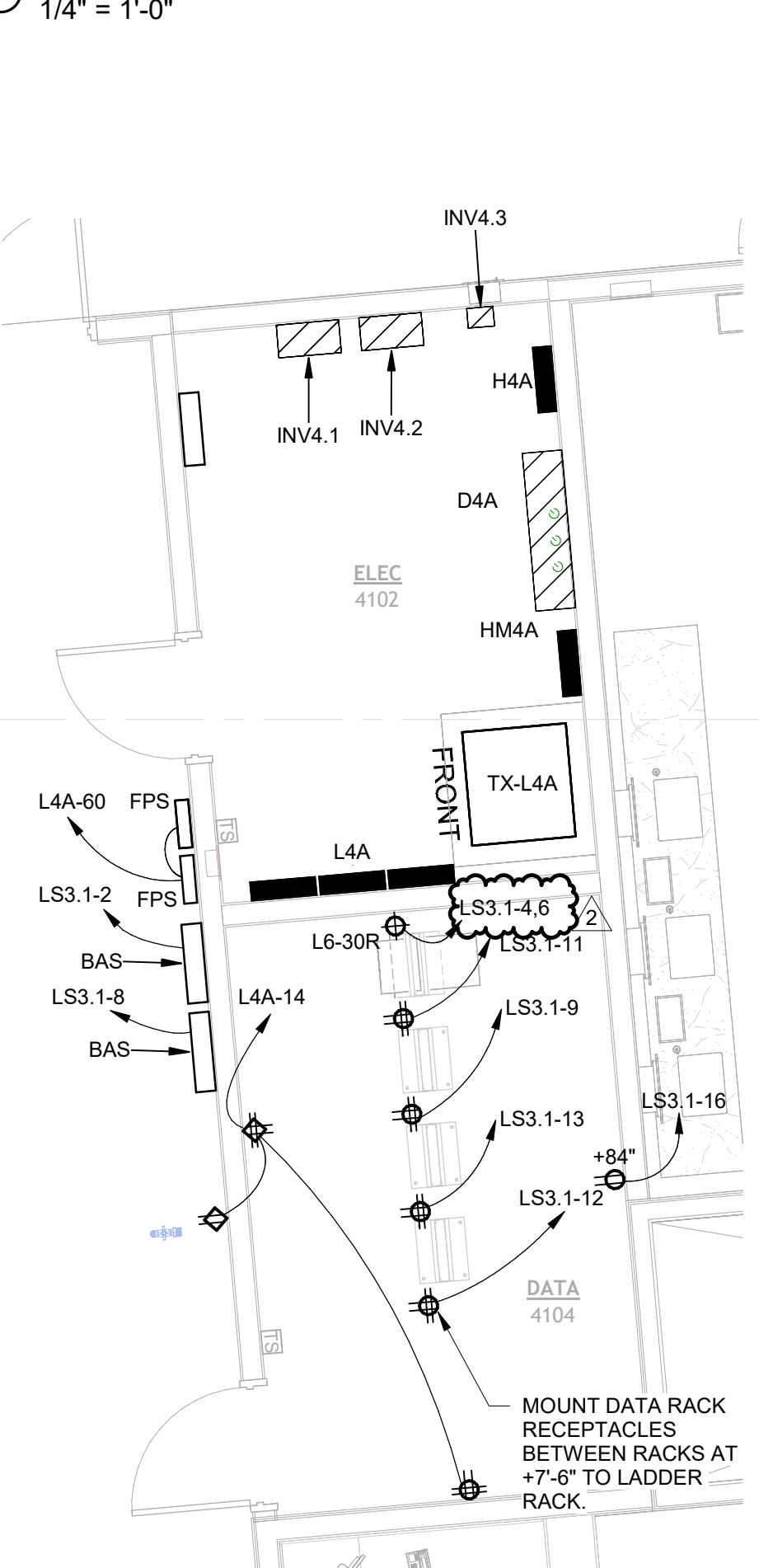
⑦ POWER - LEVEL 3 ENLARGED PLAN - 3102
1/4" = 1'-0"



⑧ POWER - LEVEL 3 ENLARGED PLAN - 3314
1/4" = 1'-0"



⑨ POWER - LEVEL 3 ENLARGED PLAN - 3504
1/4" = 1'-0"



⑩ POWER - LEVEL 4 ENLARGED PLAN - 4104
1/4" = 1'-0"

ELECTRICAL PLAN NOTES:
 E83 INSTALL GFCI TYPE RECEPTACLE ACCESSIBLE IN CASEWORK TO ENSURE TRIP-RESET ACCESS.

801 South Spring Street
 Little Rock, AR 72201
 501.378.0878 office
 509 W. Spring St. | Suite 100
 Fayetteville, AR 72701
 479.444.0833 office
 polkstanleywilcox.com

CIVIL
McClendon Consulting Engineers, Inc.
 1386 E STEARNS ST
 FAYETTEVILLE, AR 72703
 P: 479.443.2372

LANDSCAPE
OSD
 115 ST. JOHNS PLACE
 BROOKLYN, NY 11217
 P: 917.553.5886

STRUCTURAL
Martin Consulting Engineers
 808 SOUTH WALTON BLVD., STE 27
 BENTONVILLE, AR 72712
 P: 479.493.9945

MEPF + LOW VOLTAGE
Henderson Engineers
 8345 LENEVA DRIVE, STE 300
 LENOXA, MS 39214
 P: 913.606.8187

SUSTAINABILITY
SOM
 224 SOUTH MICHIGAN AVENUE
 CHICAGO, IL 60604
 P: 312.362.4121

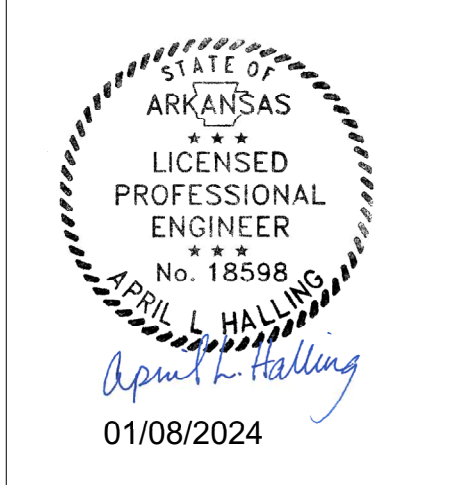
SIGNAGE + WAYFINDING
TWO TWELVE
 236 W. 27th ST., SUITE 802
 NEW YORK, NY 10001
 P: 212.254.8670

FOOD SERVICE
JMS HOSPITALITY
 866 SIX PINES DR., SUITE 8210
 THE WOODLANDS, TX 77380
 P: 689.641.2222

WATER FEATURES
OTL
 2150 S. TOWNE CENTER, SUITE 100
 ANAHEIM, CA 92809
 P: 714.637.4747

IRRIGATION
WC3 DESIGN
 11A ROBINSON MANOR BLVD.
 ROCKERS ROCK, PA 14138
 P: 844.231.7042

PSW Job Number:
993A
 Henderson Job Number:
2150002607

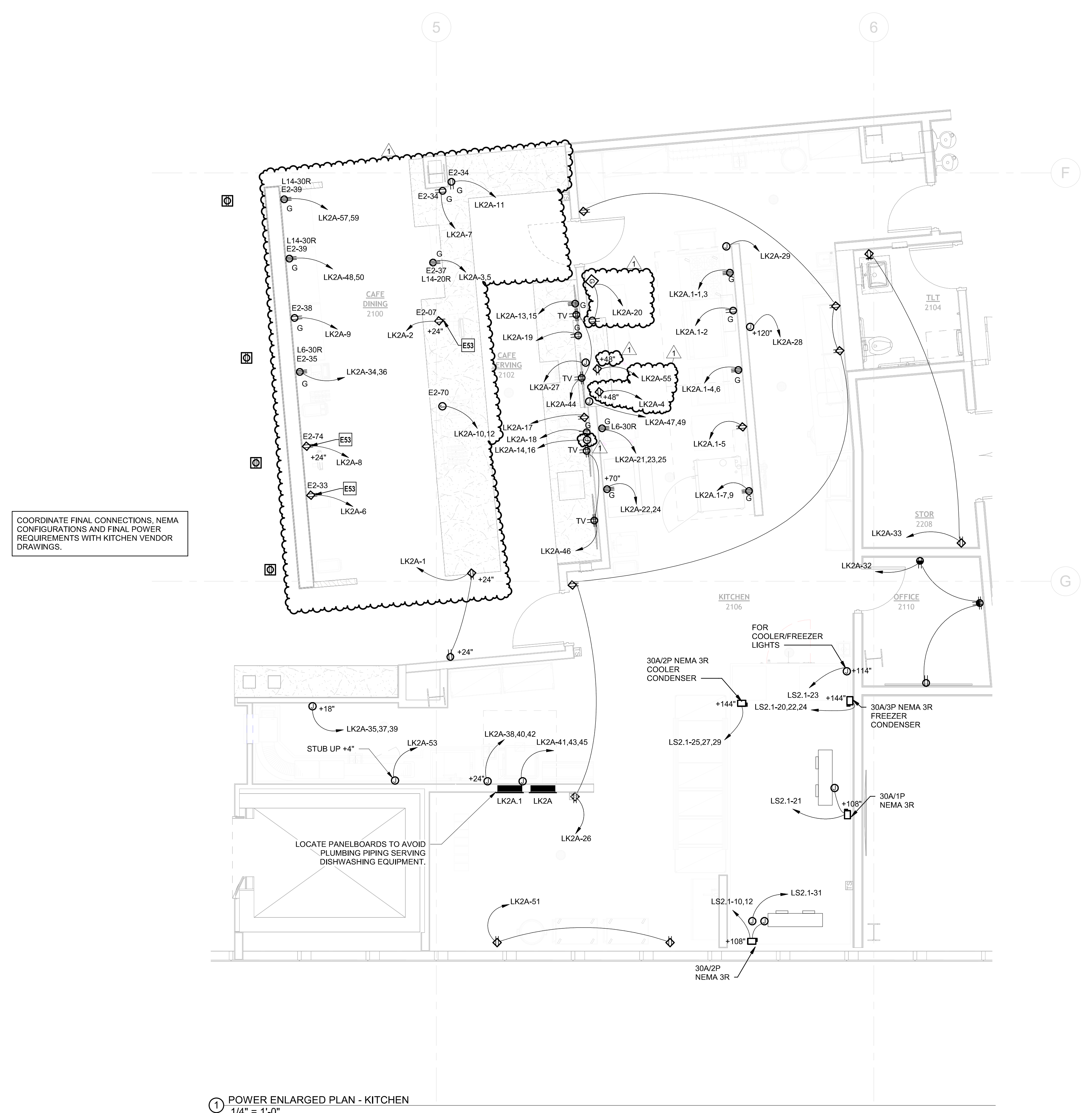


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 Bentonville, AR

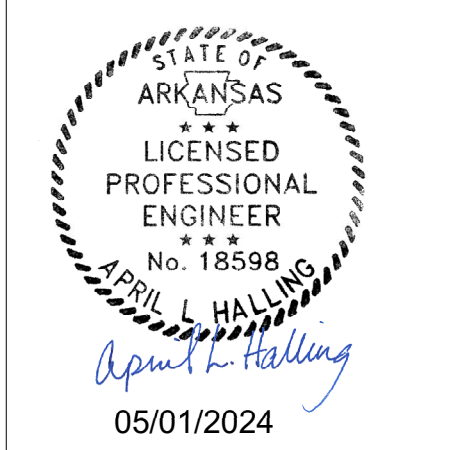
Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	01.09.24	PROJ

Contents:
POWER - ENLARGED KITCHEN PLAN



1 POWER ENLARGED PLAN - KITCHEN
 1/4" = 1'-0"



NUMBER	DATE	DESCRIPTION
1	03/15/23	Addendum 1
2	06/09/23	Addendum 2
3	11/15/23	RFI-09
4	12/18/23	RFI-04
5	02/01/24	RFI-01

INVERTER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	COMMENTS	CONNECTED LOAD	INPUT/OUTPUT VOLTAGE	RATED WATTAGE	SUPPLY FROM PANEL
INV0.1	MYERS	LVM-250		226 VA	277	250	H0B3
INV1.1	MYERS	LV2-R		278 VA	277	350	H1A
INV1.2	MYERS	LV2-R		318 VA	277	350	H1B1
INV1.3	MYERS	LVM-250		236 VA	277	250	H1A
INV1.4	MYERS	LVM-125		80 VA	277	125	H1B1
INV1.5	MYERS	LVM-250		162 VA	277	250	H1B
INV1.6	MYERS	LVM-250		168 VA	277	250	H1A
INV1.7	MYERS	LVM-250	0-10V DIMMING INTEGRATION	203 VA	277	250	H1A
INV1.8	MYERS	LVM-125		108 VA	277	125	H1B1
INV1.9	MYERS	LVM-125		80 VA	277	125	H1B1
INV1.10	MYERS	LV2-R	BIKE GROTTO EMERGENCY	225 VA	277	350	H1A1
INV1.11	MYERS	LVM-250		213 VA	277	250	H1B
INV1.12	MYERS	LVM-250		147 VA	277	250	H1B
INV1.13	MYERS	LVM-250	COURTYARD EMERGENCY	232 VA	277	250	H1A1
INV1.14	MYERS	LVM-125		81 VA	277	125	H1A
INV1.15	MYERS	LVM-125	LEVEL 2 EXTERIOR EGRESS POLES	89 VA	277	125	H1A1
INV1.16	MYERS	LVM-250	COURTYARD EMERGENCY	232 VA	277	250	H1A1
INV1.17	MYERS	LVM-125		81 VA	277	125	H1B1
INV2.1	MYERS	LVM-250		222 VA	277	250	H2A
INV2.2	MYERS	LV2-R		249 VA	277	350	H2A
INV2.3	MYERS	LV2-R		333 VA	277	350	H2B
INV2.5	MYERS	LVM-125	LEVEL 2 EXTERIOR CAFE SOFFIT	20 VA	277	125	H2A
INV2.6	MYERS	LVM-125		108 VA	277	125	H2B
INV2.7	MYERS	LVM-250		189 VA	277	250	H2B
INV2.8	MYERS	LVM-125	0-10V DIMMING INTEGRATION	102 VA	277	125	H2B
INV2.9	MYERS	LVM-250	0-10V DIMMING INTEGRATION	169 VA	277	250	H2B
INV2.10	MYERS	LVM-250	0-10V DIMMING INTEGRATION	237 VA	277	250	H2B
INV2.11	MYERS	LVU-25	0-10V DIMMING INTEGRATION	34 VA	277	30	H2A
INV2.12	MYERS	LVM-125		24 VA	277	125	H2A
INV2.13	MYERS	LVM-125		60 VA	277	125	H2A
INV2.14	MYERS	LVM-125		55 VA	277	125	H2B
INV3.1	MYERS	LV2-R		248 VA	277	350	H3A
INV3.2	MYERS	LV2-R		238 VA	277	350	H3A
INV3.3	MYERS	LVM-250		160 VA	277	250	H3A
INV3.4	MYERS	LVM-125		81 VA	277	125	H3A
INV3.5	MYERS	LVM-125		54 VA	277	125	H3A
INV3.6	MYERS	LVM-250		169 VA	277	250	H3A
INV3.7	MYERS	LVM-250		138 VA	277	250	H3A
INV3.8	MYERS	LVM-250	LEVEL 3-4 STAIR HANDRAIL EGRESS	174 VA	277	250	H3B
INV3.9	MYERS	LVM-125-GRID	INSTALL IN LAY-IN GRID CEILING	53 VA	277	110	H3A
INV3.10	MYERS	LV2-R	LEVEL 3-4 STAIR HANDRAIL EGRESS	241 VA	277	350	H3B
INV3.12	MYERS	LVM-250	LEVEL 3-4 SCRAMBLE LIGHTING	175 VA	277	250	H3B
INV3.13	MYERS	LVM-250	LEVEL 3-4 SCRAMBLE LIGHTING	175 VA	277	250	H3B
INV3.14	MYERS	LV2-R		235 VA	277	350	H3A
INV4.2	MYERS	LV2-R		236 VA	277	350	H4A
INV4.3	MYERS	LVM-250		133 VA	277	250	H4A
INV4.4	MYERS	LVM-125		81 VA	277	125	H4A

INVERTER SCHEDULE UPDATED WITH REMOVAL OF INV1.15 AND INV3.11 WHICH WERE ADDED IN PR024

CORD REEL SCHEDULE

UNIT TYPE	Manufacturer	Model	Description
CR1	HUBBELL	HIREACH INDUSTRIAL	WHITE CORD REEL, PROVIDE WITH 20AMP 120V GFCI PROTECTED RECEPTACLE
CR2	HUBBELL	HIREACH INDUSTRIAL	WHITE CORD REEL WITH PLENUM RATED RECESSED CEILING BOX, PROVIDE WITH 20AMP 120V GFCI PROTECTED RECEPTACLE

CHARGING PEDESTAL SCHEDULE

UNIT TYPE	MANUFACTURER	MODEL	DESCRIPTION
EV	LEVITON	EV-RGREEN 4000	LEVEL 2 ELECTRIC VEHICLE CHARGING PEDESTAL 60AL PORT FLOOR MOUNTED PEDESTAL SUITABLE FOR CHARGING TWO VEHICLES.
H	PECOOC-INTERMATIC	1P18-C-D4HT-BR	ONE-GANG HINGED TOP - 18-INCH TALL POWER PEDESTAL WITH SINGLE GFCI DUPLEX RECEPTACLE, LABEL MOUNTING PLATE "SEASONAL CONTROLLED OUTLET". INSTALL BASE SUPPORT AS REQUIRED BY MANUFACTURER.
T	HOFFMAN HVENT	WF3LP	MINIMUM DIMENSIONS OF 24" TALL, 16" WIDE AND 12" DEEP. NEMA 3R ENCLOSURE WITH HINGED GASKETED LOCKABLE COVER, LOW FILTERED INTAKE WITH TOP FRONT HOOD EXHAUST AND FAN, POWDER FINISHED STEEL WITH LOW SOLAR ABSORPTION. INSTALL 20AMP 120V GFCI WR DUPLEX RECEPTACLE WITHIN ENCLOSURE. RECEPTACLE AND COOLING FAN SHALL BE ON SAME POWER CIRCUIT. REFER TO SECURITY AND TELECOM DRAWINGS FOR ADDITIONAL CONDUITS AND EQUIPMENT TO BE INSTALLED IN ENCLOSURE. INSTALL BASE SUPPORT AS REQUIRED BY MANUFACTURER WITH BOTTOM INTAKE 6-INCHES ABOVE FINISHED GRADE. REFER TO DETAIL 4 ON SHEET TY500 FOR ADDITIONAL INFORMATION.
Z	LEGRAND-WIREMOLD	XCSP22GRU-BK	2-GANG POWER PEDESTAL WITH 1 20AMP WRGFCI OUTLET AND 1 4-PORT USB CHARGING OUTLETS.

CHARGING PEDESTAL SCHEDULE NOTES:
1. ALTERNATE MANUFACTURER'S SHALL BE ALLOWED FOR TYPES "H", "T" AND "Z" PEDESTALS. ALTERNATE MANUFACTURERS ARE REQUIRED TO MEET ALL EQUIVALENT AND SPECIFIED REQUIREMENTS FOR BASIS OF DESIGN MODEL INDICATED.

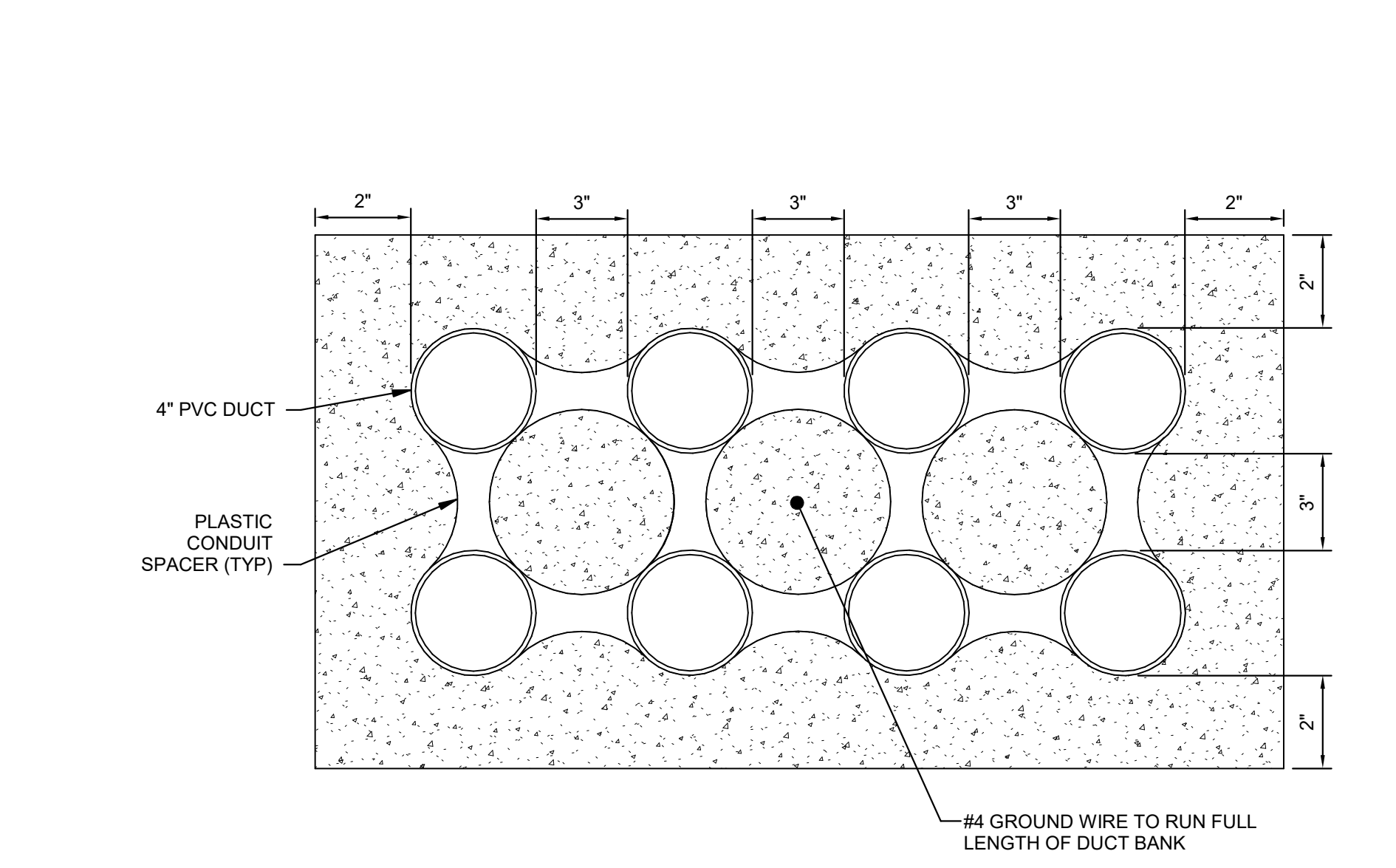
FLOOR BOX SCHEDULE - POWER ONLY

UNIT TYPE	MANUFACTURER	MODEL SERIES	DESCRIPTION
A1	LEGRAND-WIREMOLD	4ATC	4-INCH DIAMETER POKE-THRU QTY (1) DUPLEX - TYPE AS INDICATED ON PLAN
B1	LEGRAND-WIREMOLD	6ATC	6-INCH DIAMETER POKE-THRU QTY (2) DUPLEX - TYPE AS INDICATED ON PLAN
D1	LEGRAND-WIREMOLD	RF83E	2-GANG FLOOR BOX WITH QTY (1) DUPLEX - TYPE AS INDICATED ON PLAN
D4	LEGRAND-WIREMOLD	RF84E	4-GANG FLOOR BOX WITH TWO DUPLEX RECEPTACLES.

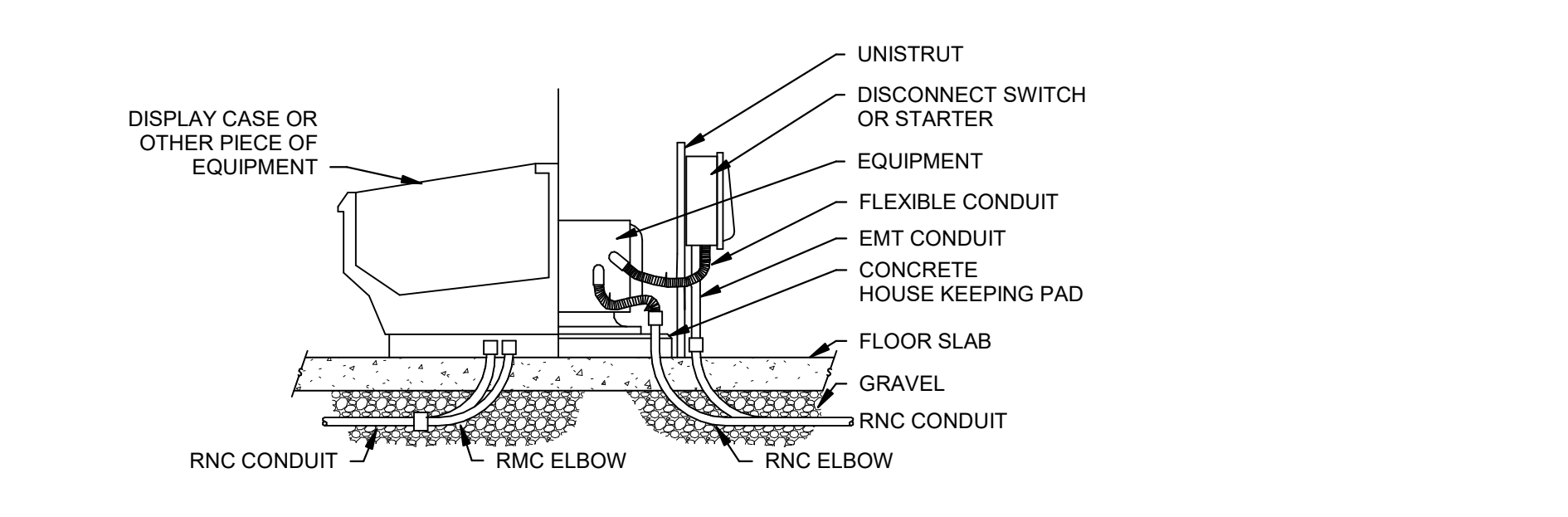
FLOOR BOX SCHEDULE GENERAL NOTES:
1. REFER TO AUDIO-VISUAL DRAWINGS FOR ALL FLOOR BOXES INDICATED WITH [AV] TYPE TAG.
2. REFER TO TECHNOLOGY DRAWINGS FOR ALL LOW VOLTAGE CONDUIT, DATA CABLING AND TERMINATION REQUIREMENTS RELATED TO FLOOR BOX CONNECTIONS.
3. ALL FLOOR BOXES SHALL BE CONCEALED SERVICE BOXES UNLESS NOTED OTHERWISE.
4. FOR ALL FLOOR BOXES PROVIDE FLUSH ROUND COVER WITH SATIN BRASS PLATED METAL FINISH.
5. REFER TO DIVISION 26 AND DIVISION 27 SPECIFICATIONS FOR ADDITIONAL FLOOR BOX REQUIREMENTS.
6. PROVIDE BLANK COVER INSERTS FOR UNUSED GANGS WITHIN FLOOR BOXES.

FLOOR BOX SCHEDULE - MULTI SERVICE

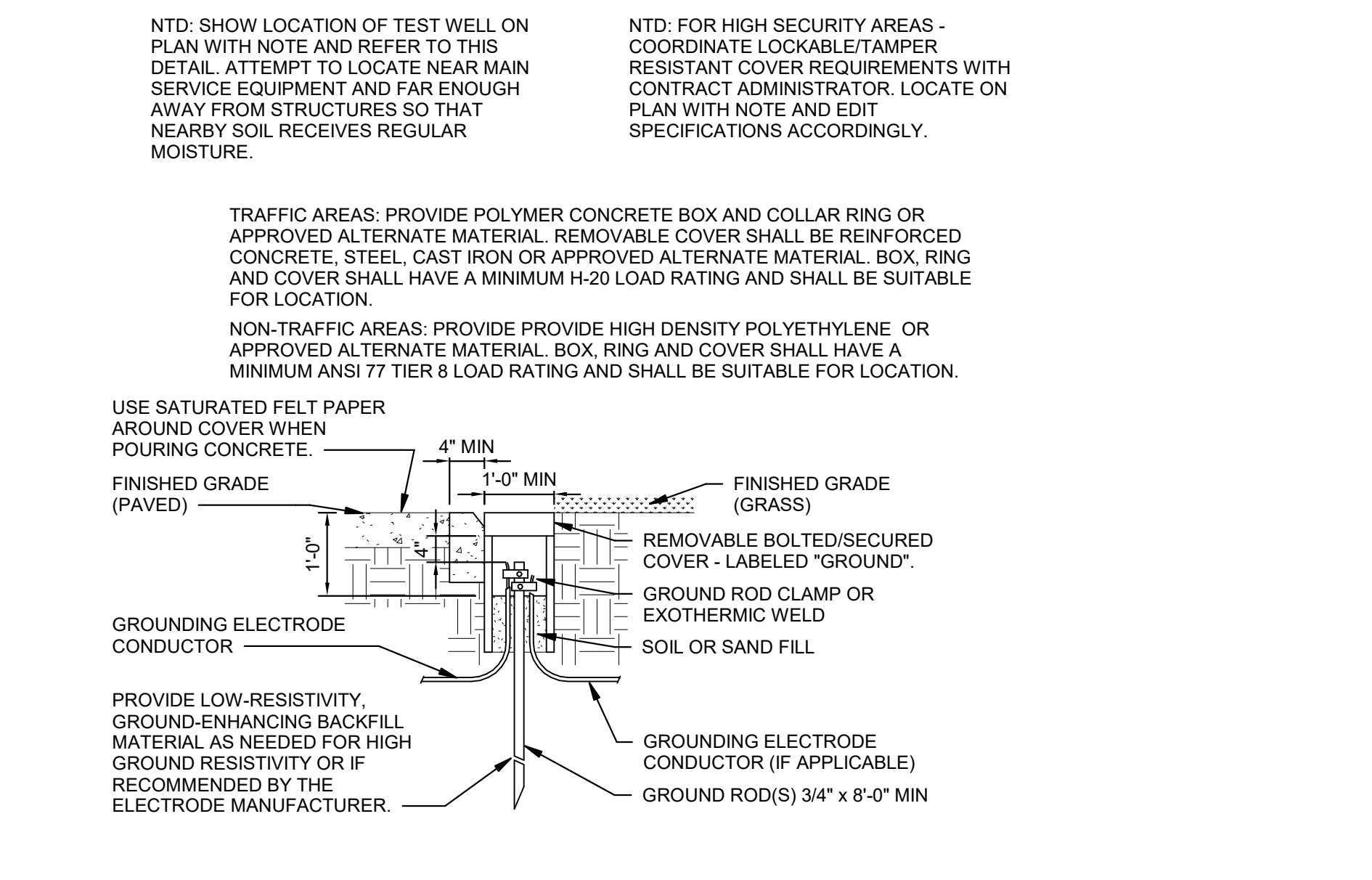
UNIT TYPE	MANUFACTURER	MODEL SERIES	DESCRIPTION
B2	WIREMOLD	6ATC	MULTI-SERVICE POKE THROUGH WITH DATA AND POWER OUTLETS QTY (1) DUPLEX 20AMP RECEPTACLE
B3	WIREMOLD	6ATC	MULTI-SERVICE POKE THROUGH WITH DATA AND POWER FURNITURE FEEDS
C2	WIREMOLD	8ATC	MULTI-SERVICE POKE THROUGH WITH DATA AND POWER FURNITURE FEEDS
C3	WIREMOLD	8ATC	MULTI-SERVICE POKE THROUGH WITH DATA AND POWER FURNITURE FEEDS
D2	WIREMOLD	RF83E	2-GANG MULTI-SERVICE FLOOR BOX WITH DATA AND POWER OUTLETS, QTY (1) DUPLEX 20AMP RECEPTACLE
D3	WIREMOLD	RF84E	4-GANG MULTI-SERVICE FLOOR BOX WITH DATA AND FURNITURE FEED.



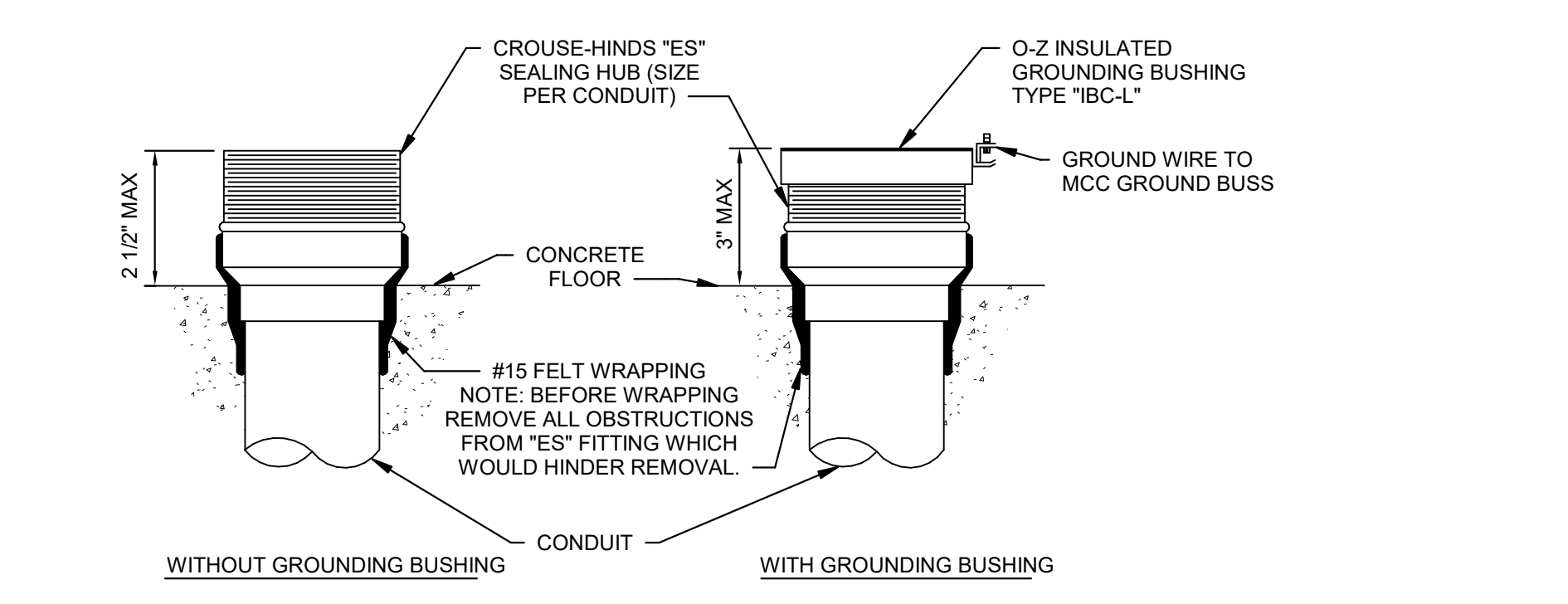
1 CONCRETE ENCASED ELECTRICAL DUCT BANK
NTS



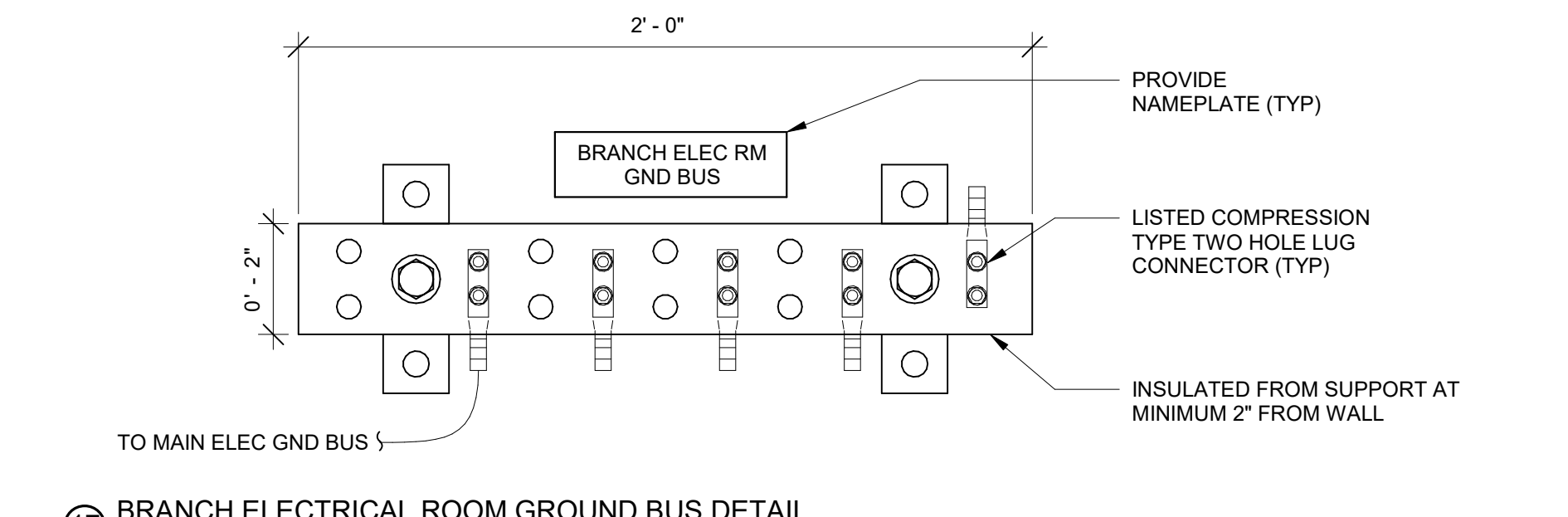
5 CONDUIT STUB-UP AT EQUIPMENT
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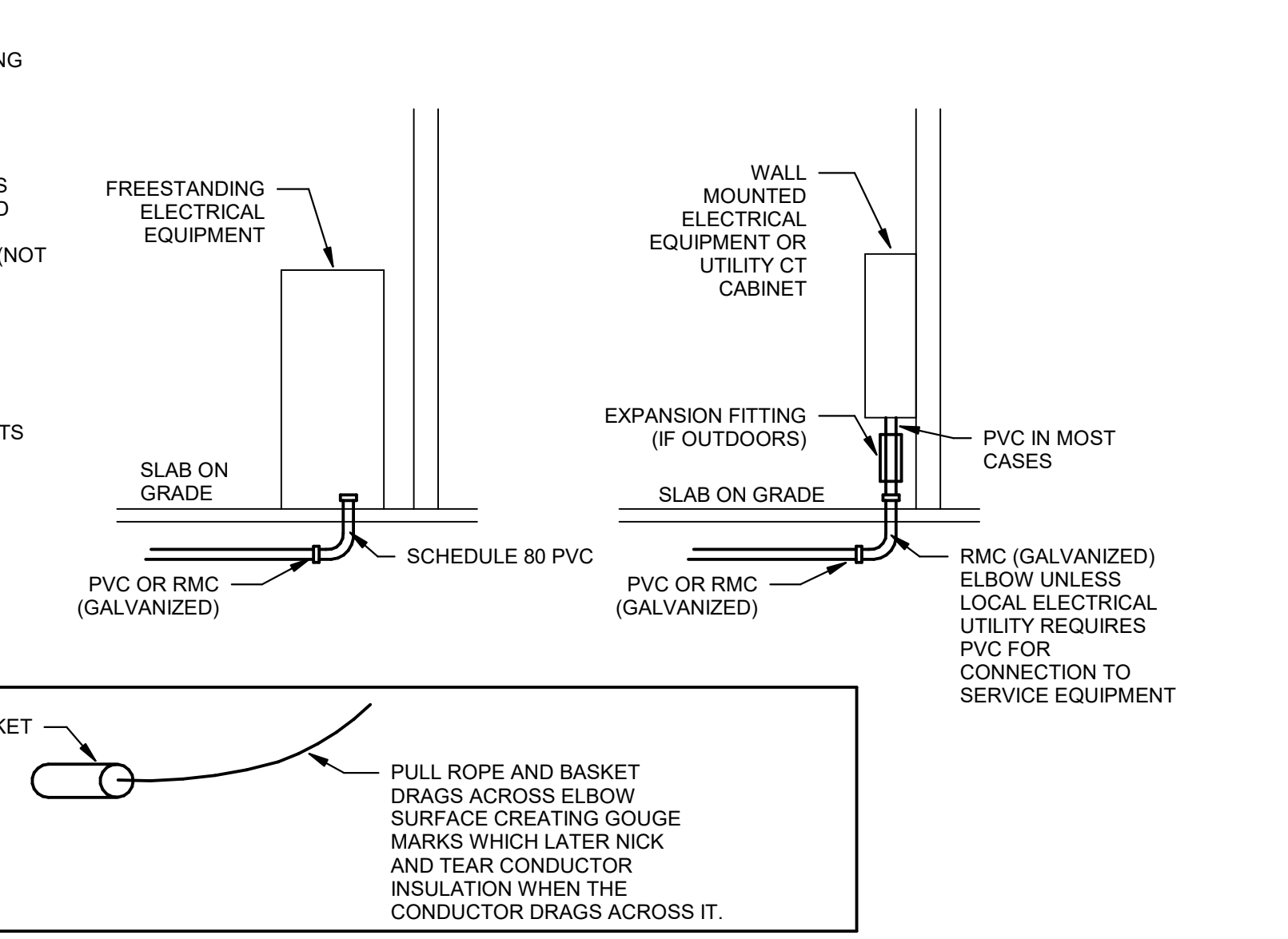
9 GROUNDING TEST WELL INSTALLATION
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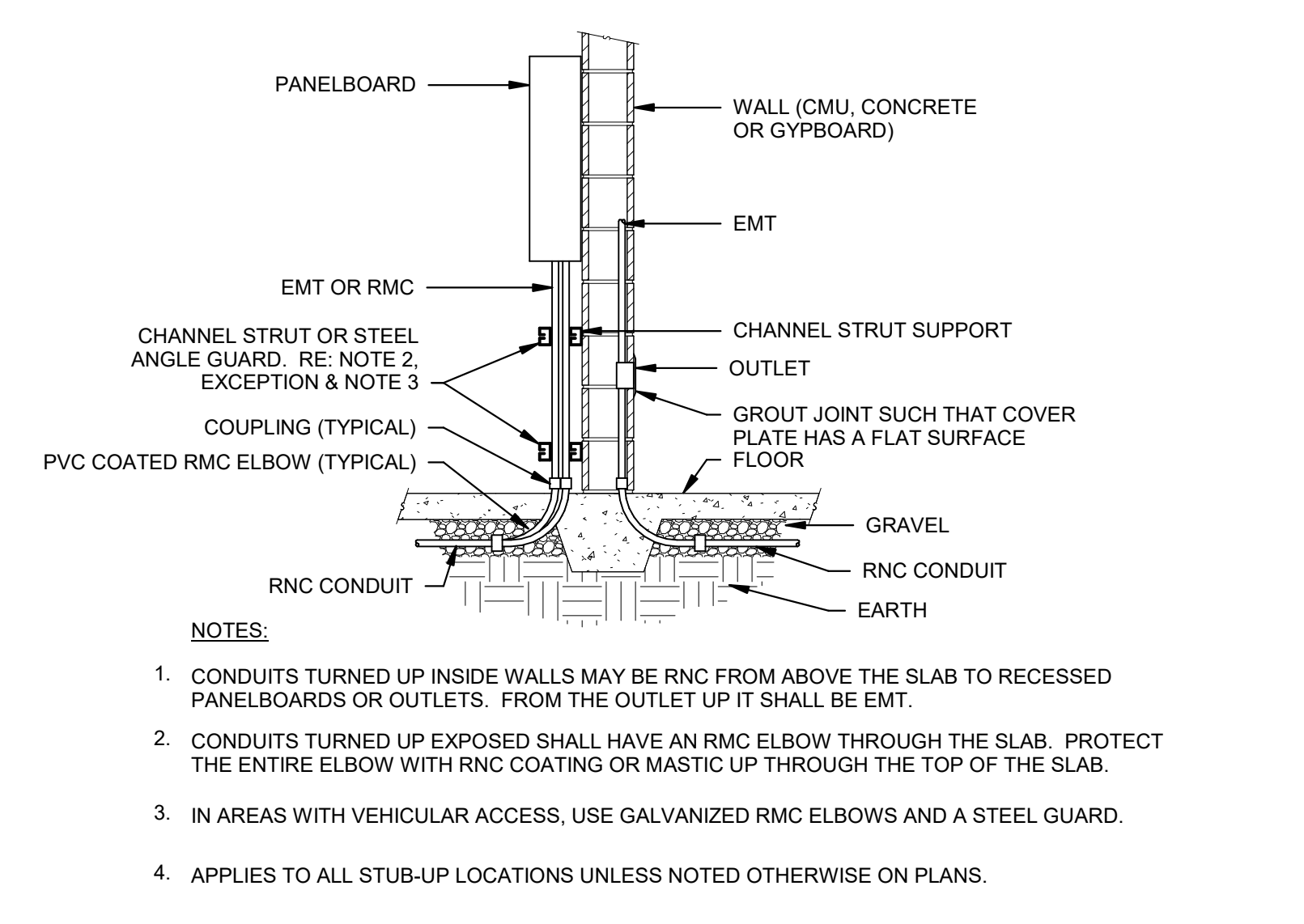
13 SEALED CONDUIT STUB-UP
NTS



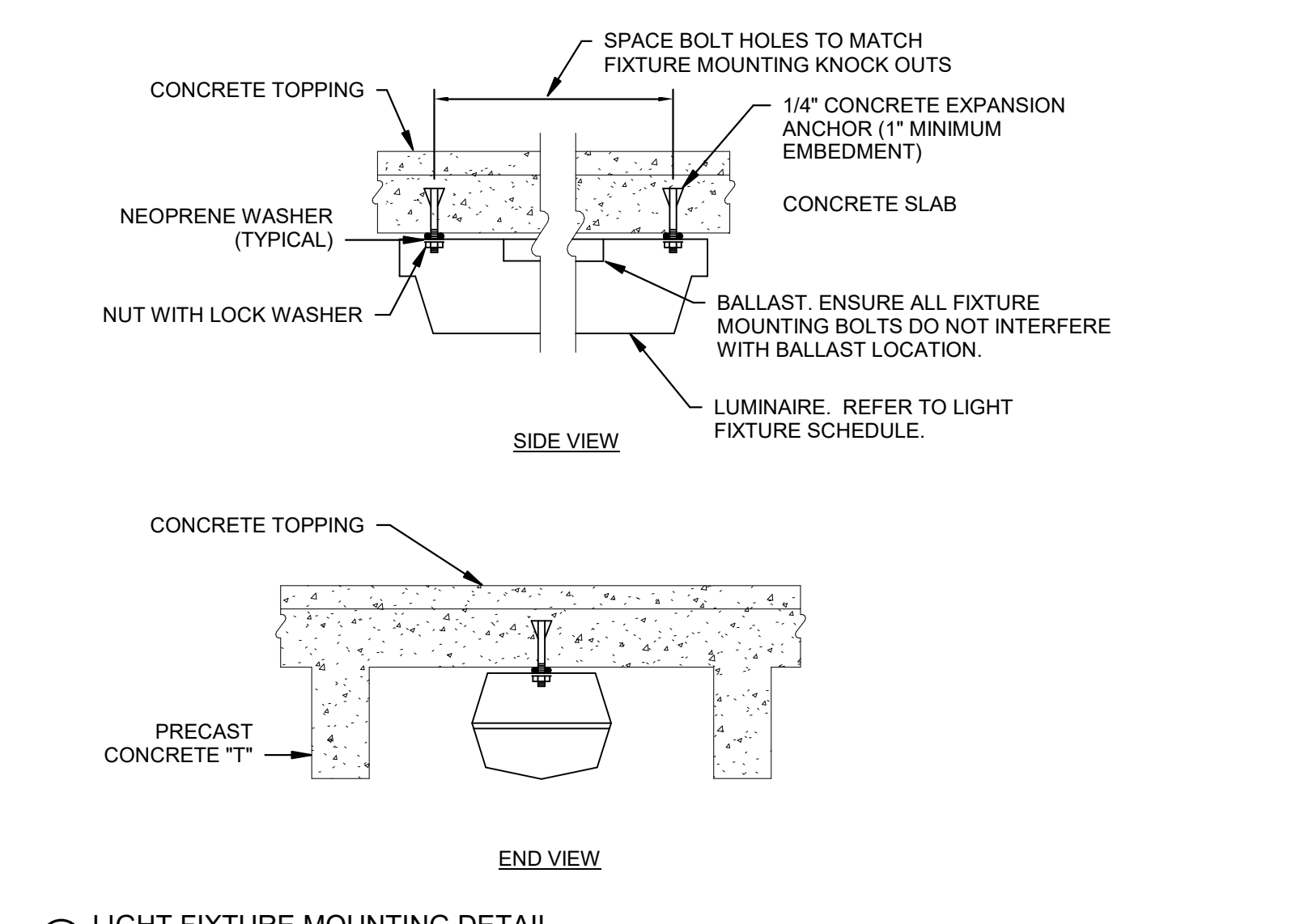
17 BRANCH ELECTRICAL ROOM GROUND BUS DETAIL
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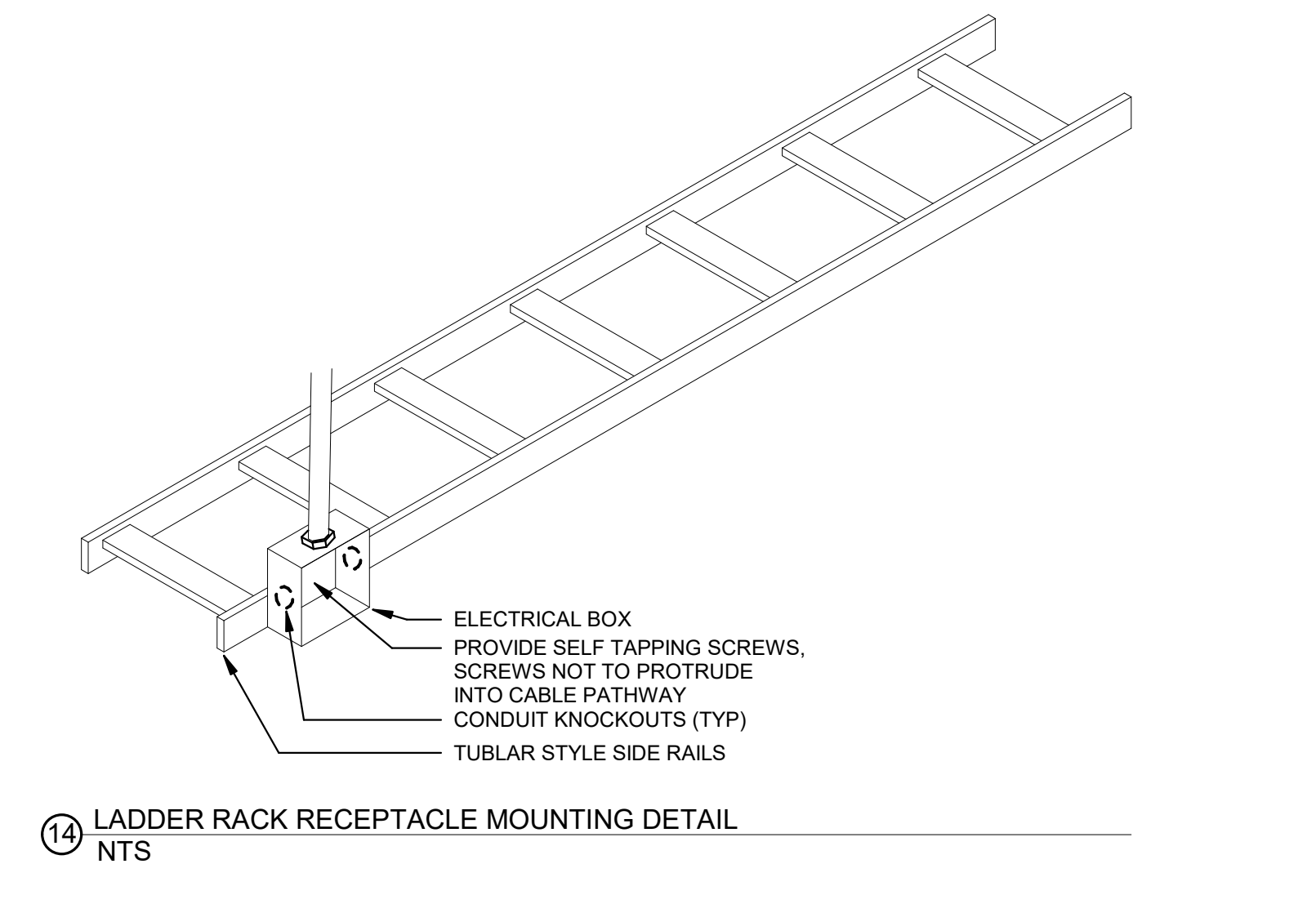
6 CONDUIT STUB-UP AT WALLS
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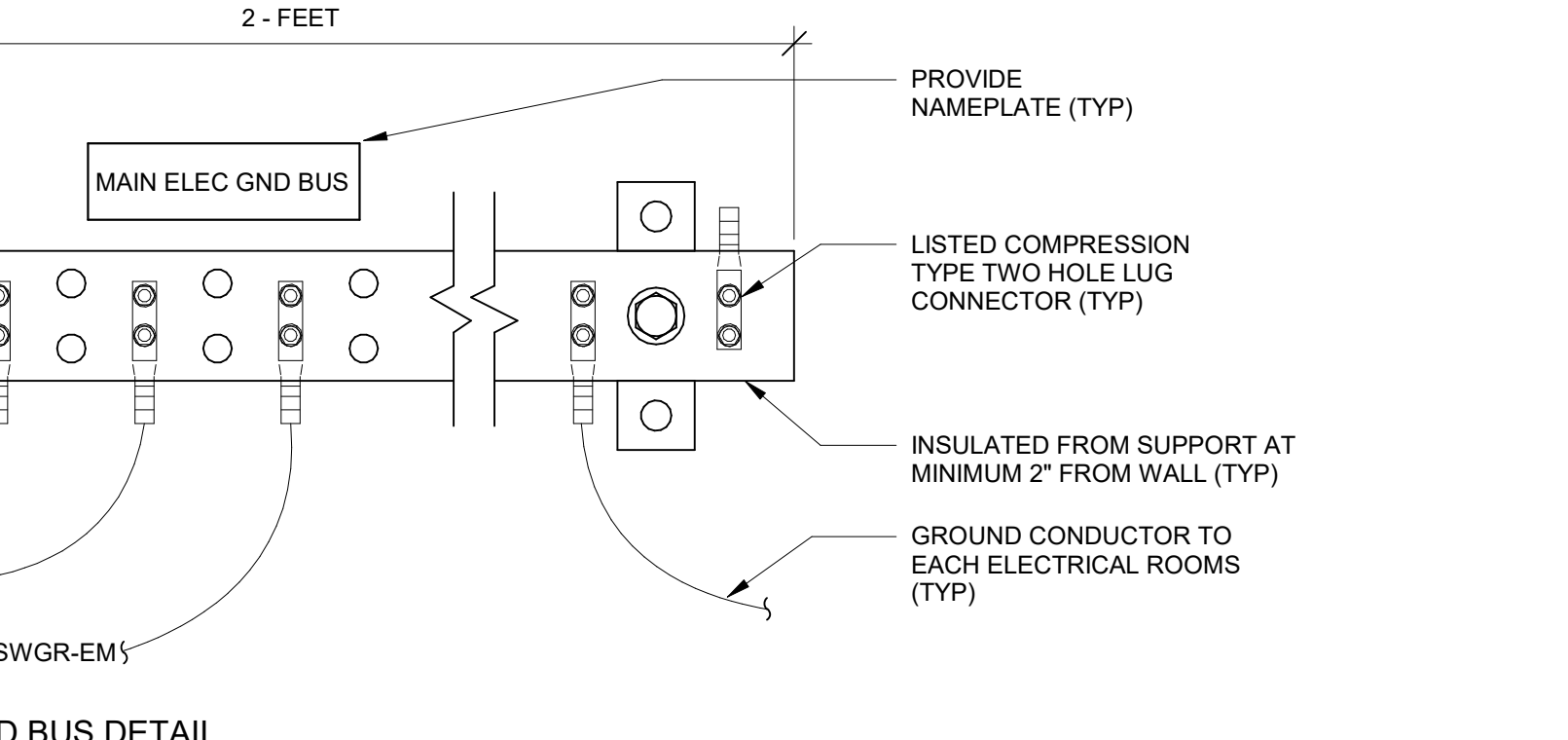
6 CONDUIT STUB-UP AT WALLS
NTS



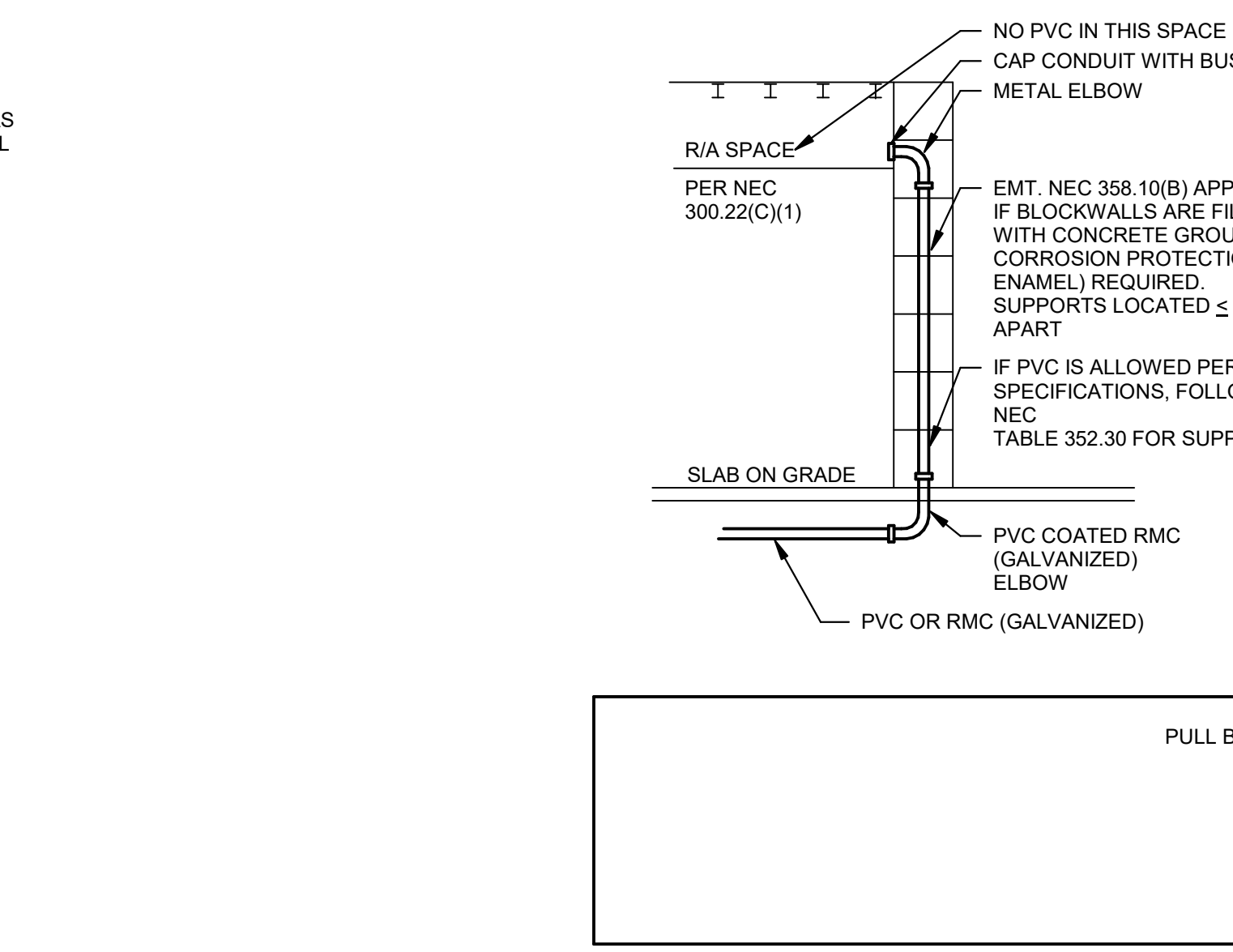
10 LIGHT FIXTURE MOUNTING DETAIL
NTS



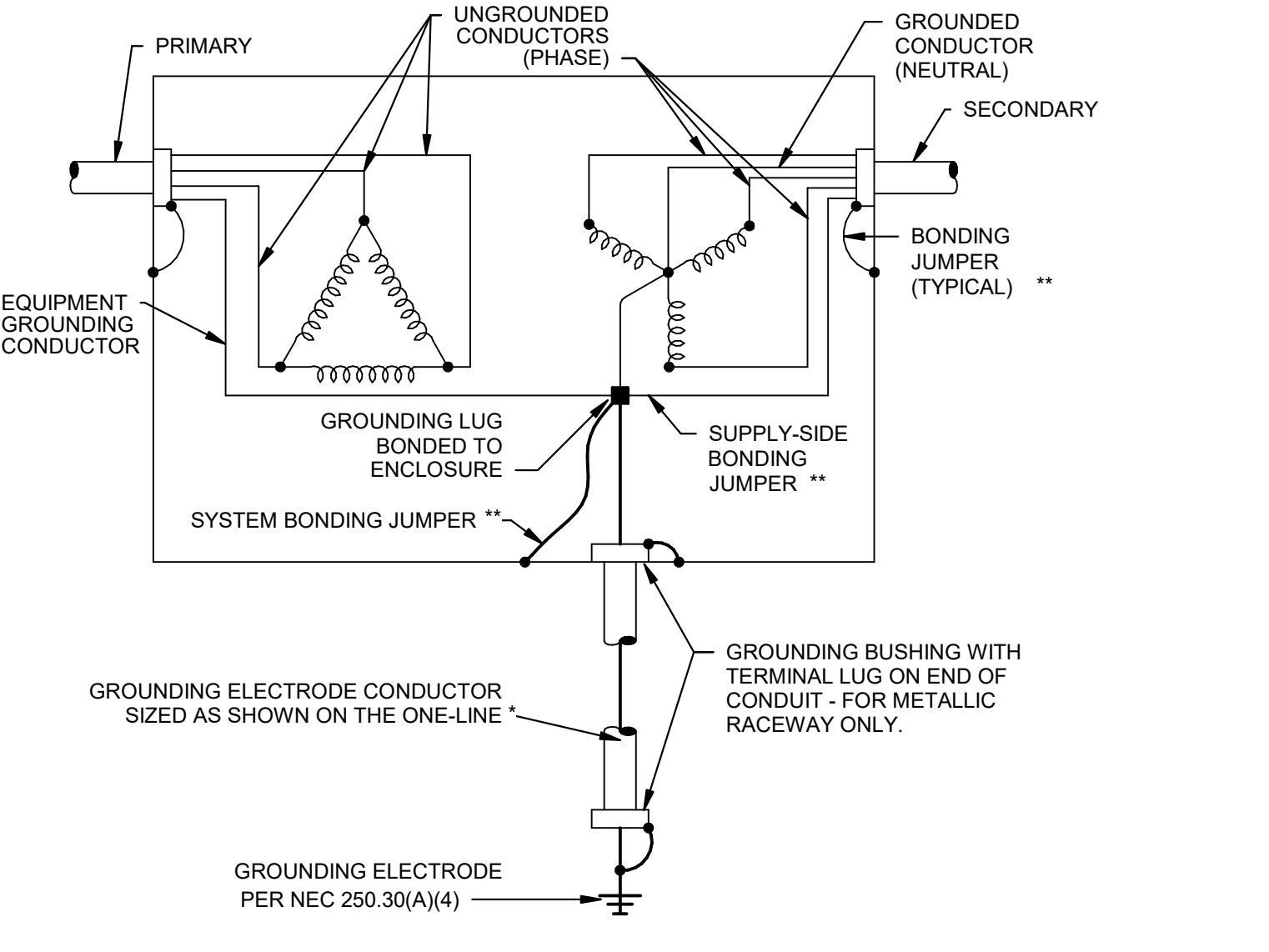
14 LADDER RACK RECEPTACLE MOUNTING DETAIL
NTS



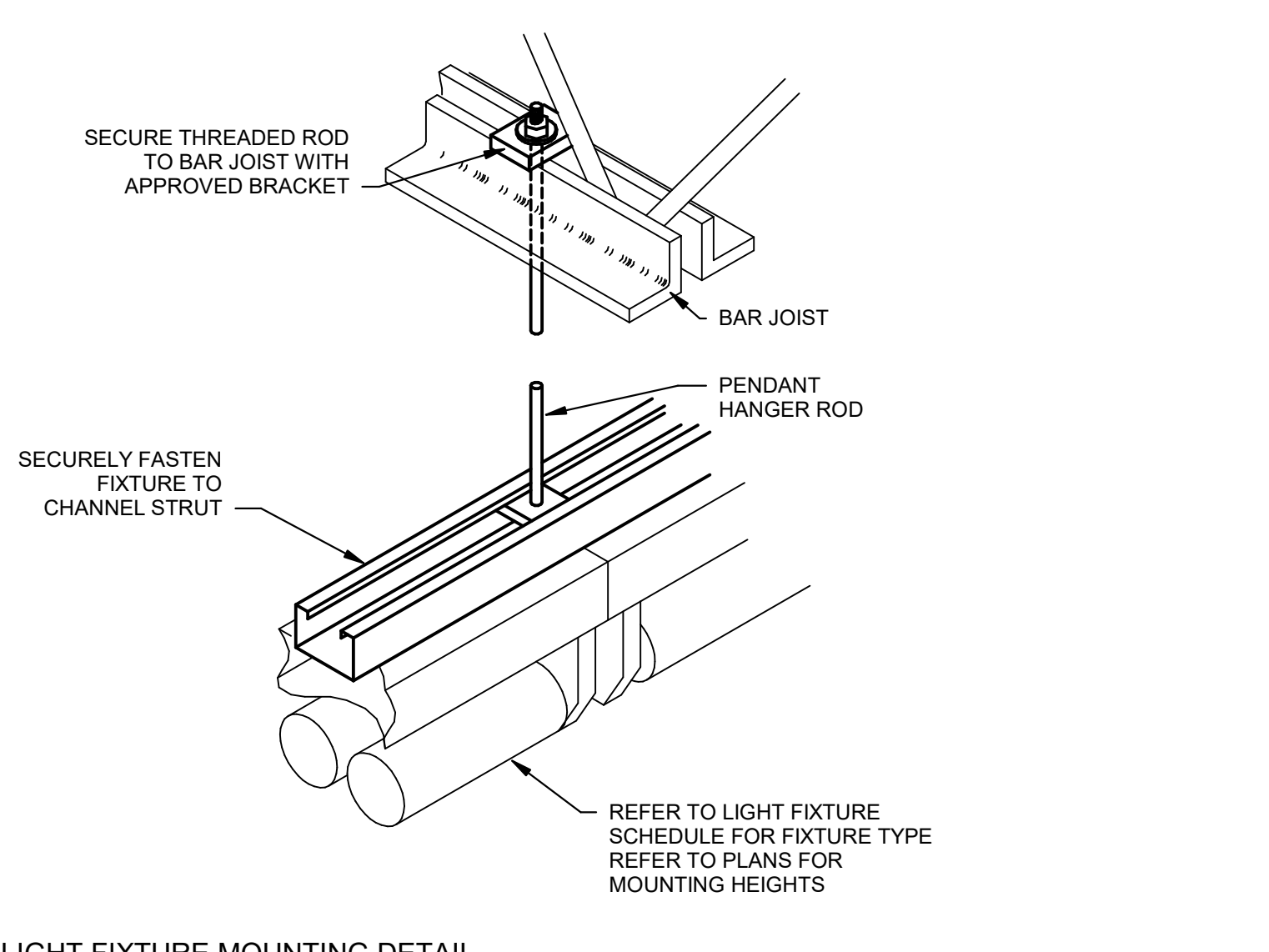
18 MAIN ELECTRICAL ROOM GROUND BUS DETAIL
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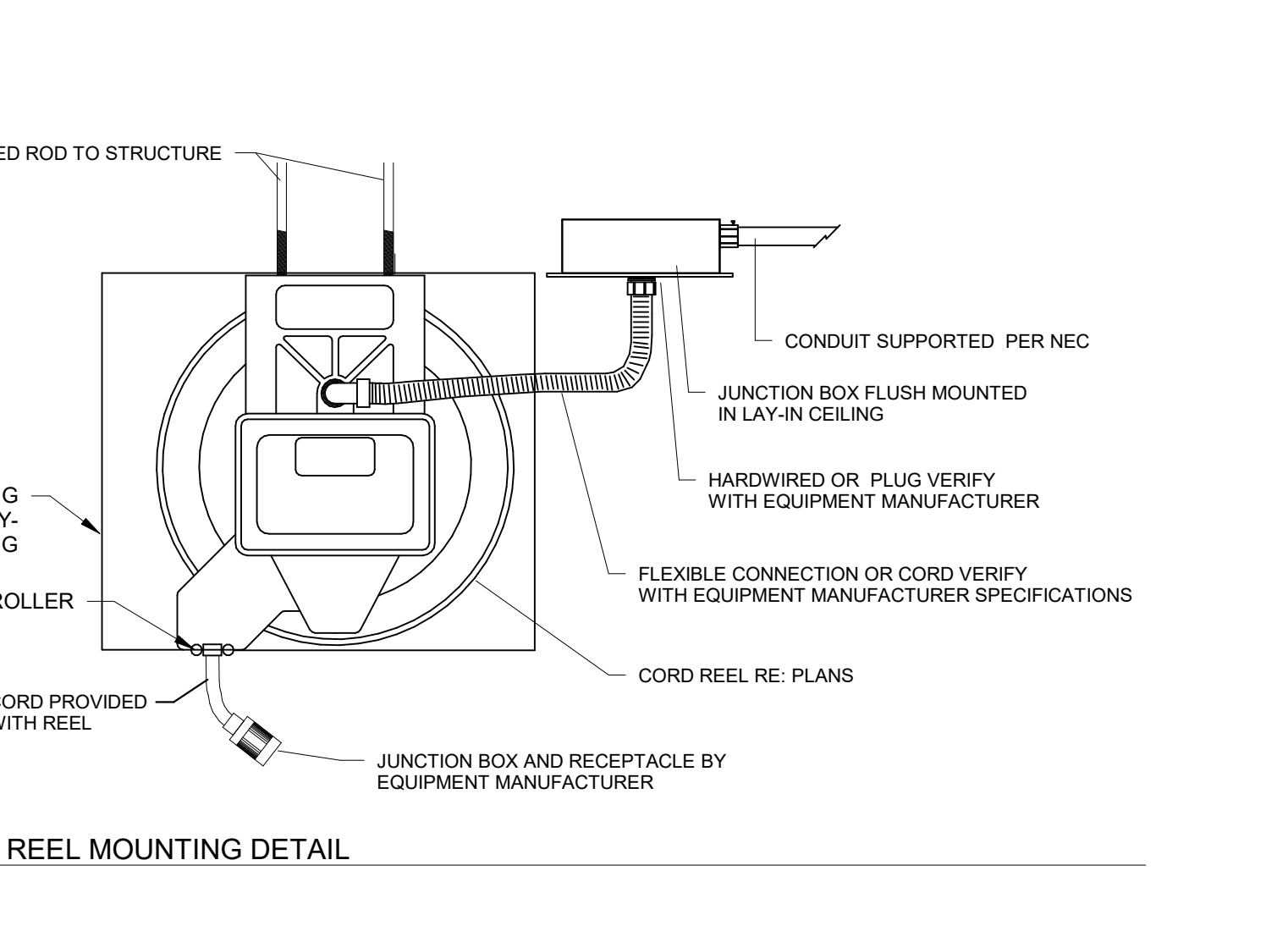
2 CONDUIT INSTALL
NTS



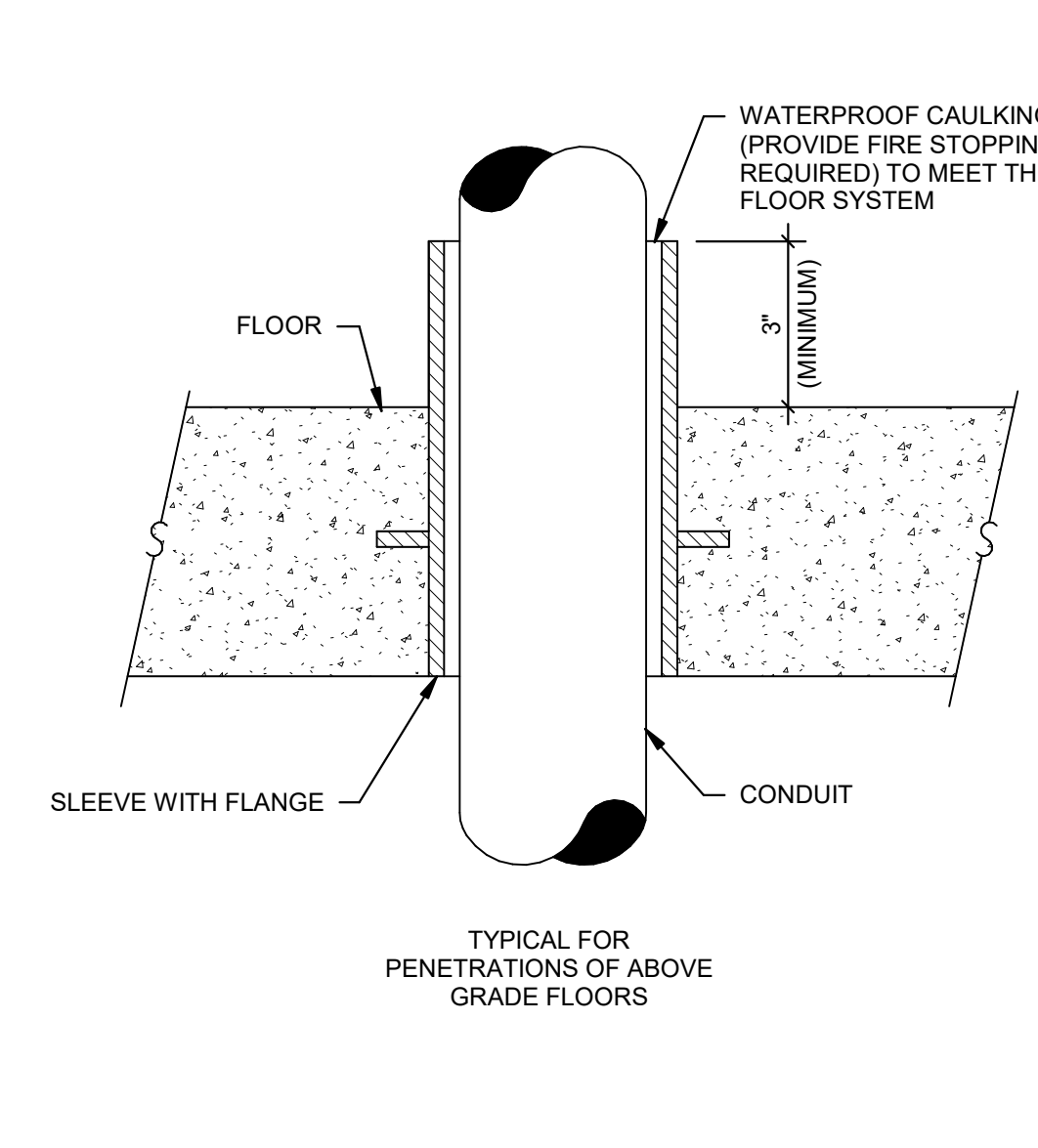
7 DRY TYPE TRANSFORMER GROUNDING
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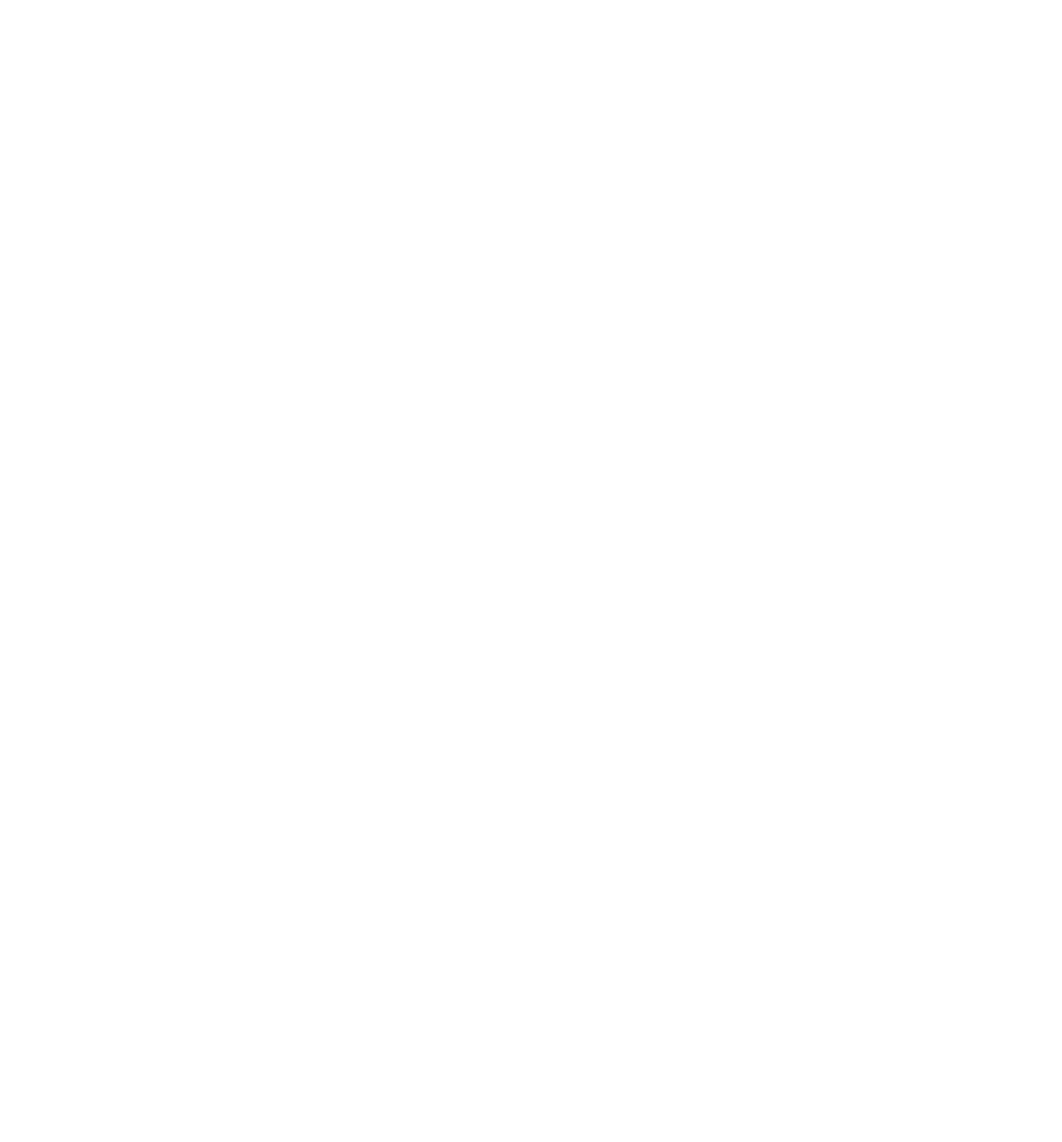
12 LIGHT FIXTURE MOUNTING DETAIL
NTS



15 CORD REEL MOUNTING DETAIL
NTS



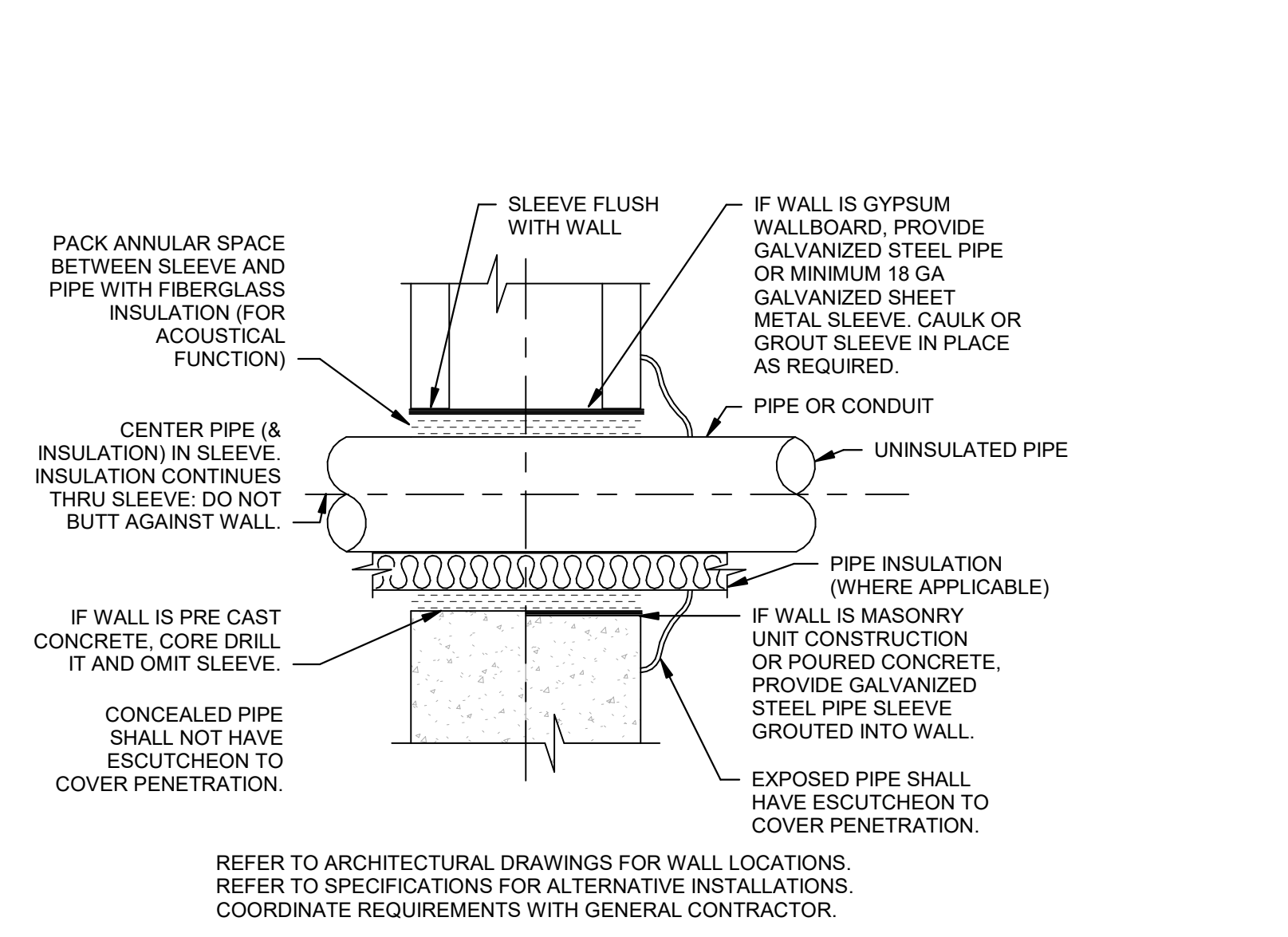
3 CONDUIT PENETRATION OF CONCRETE FLOOR
NTS



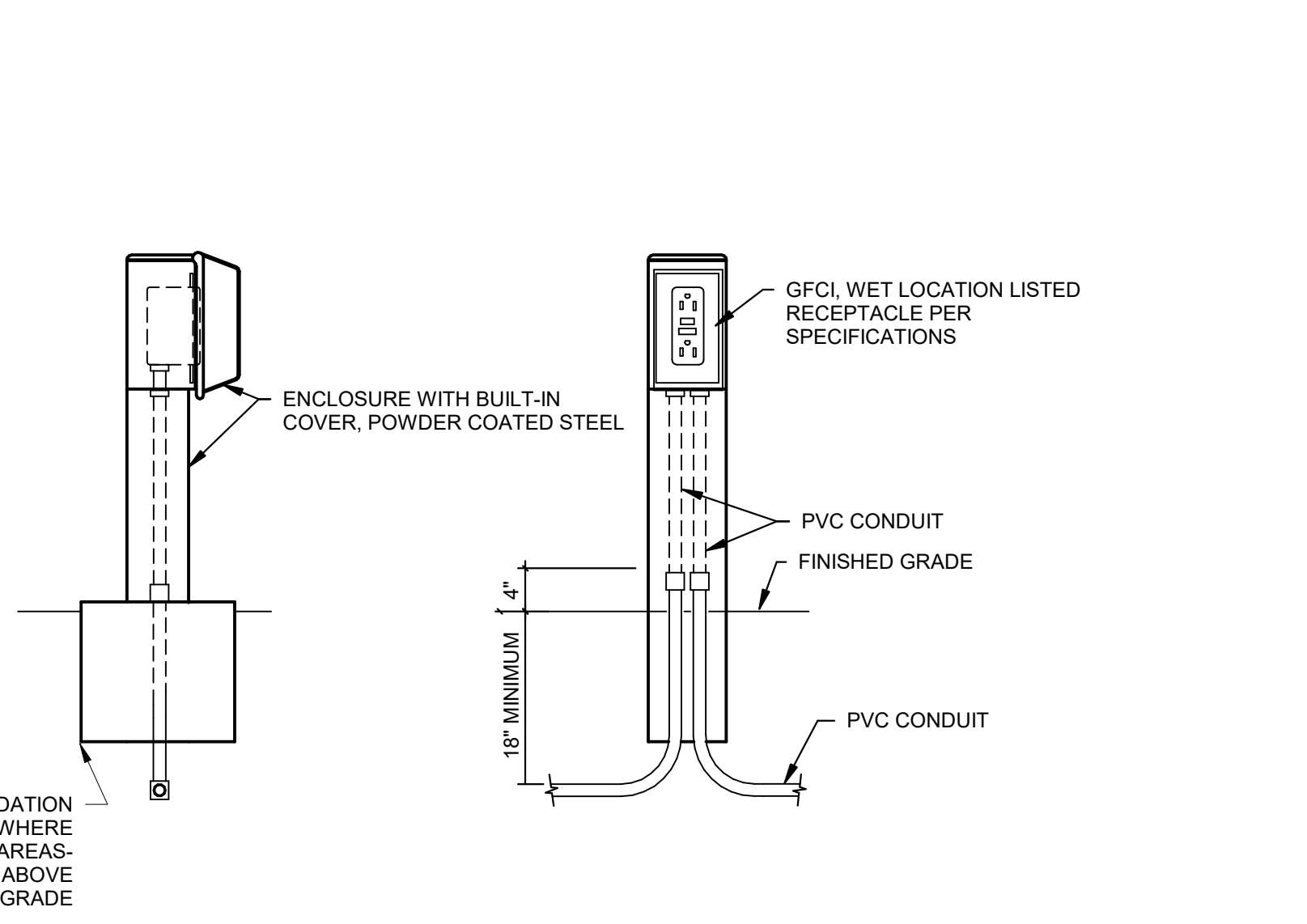
8 EXTERIOR PEDESTAL RCPT
NTS



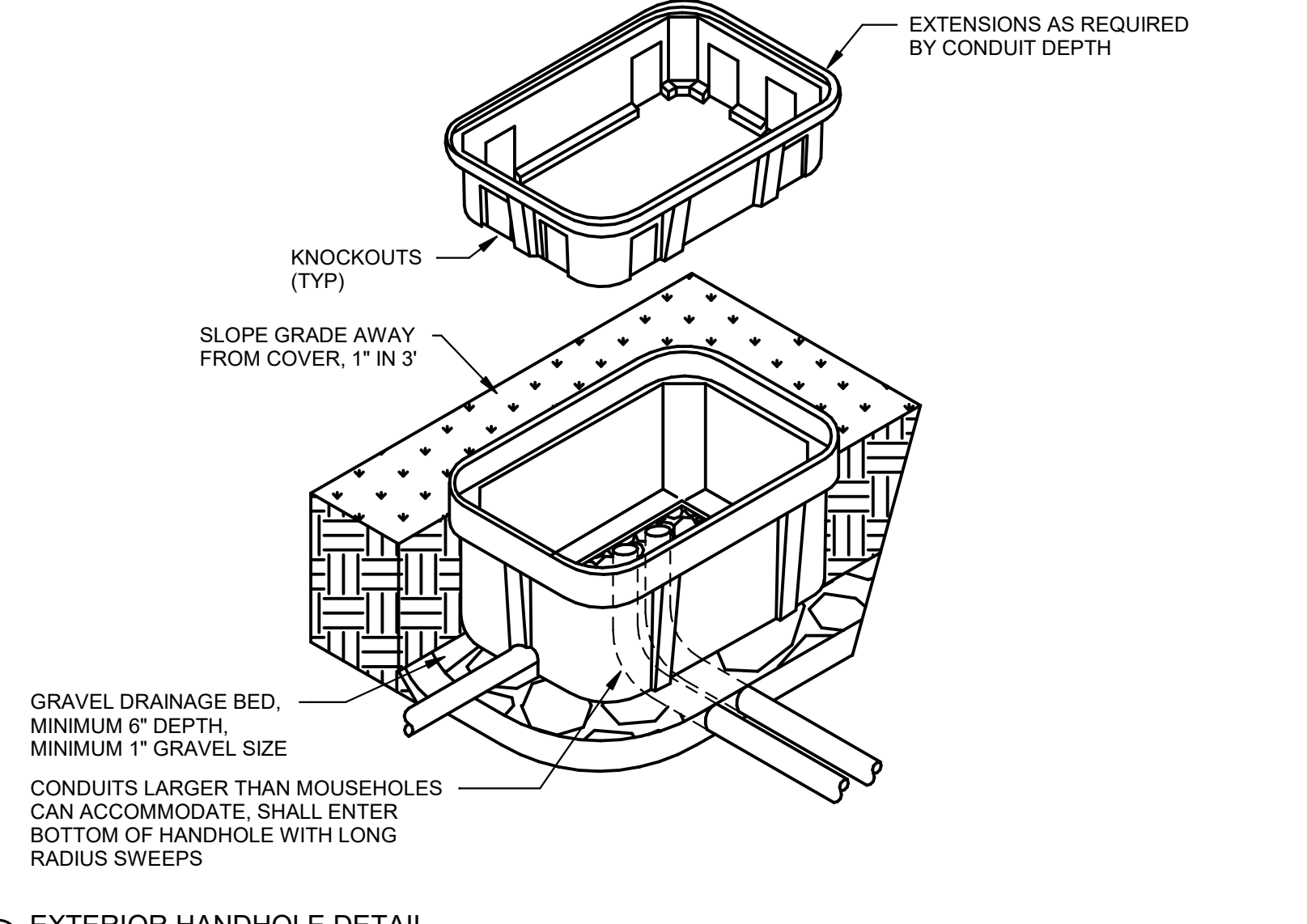
10 LIGHT FIXTURE MOUNTING DETAIL
NTS



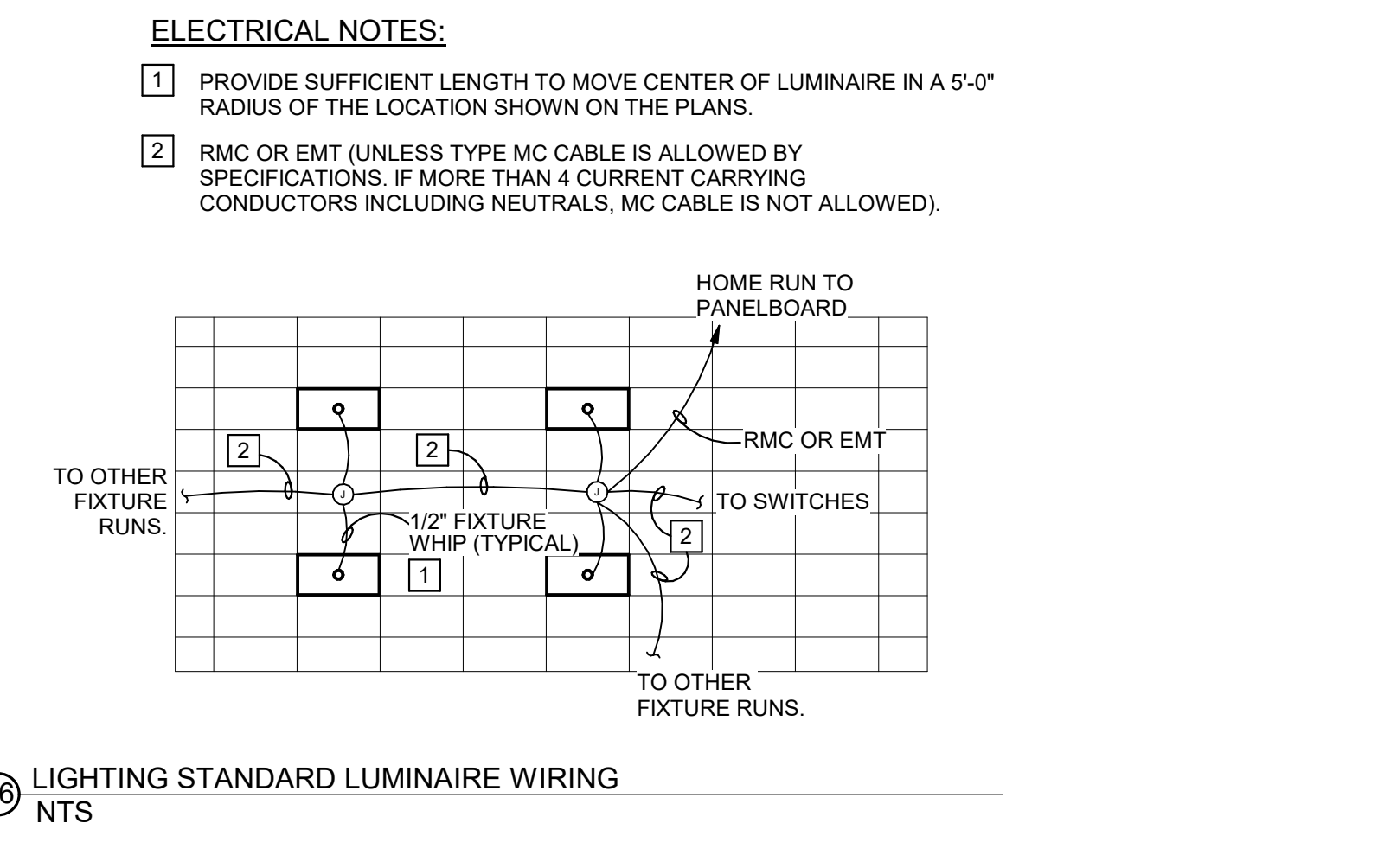
4 CONDUIT PENETRATION THRU NON-FIREWALL
NTS



8 EXTERIOR PEDESTAL RCPT
NTS



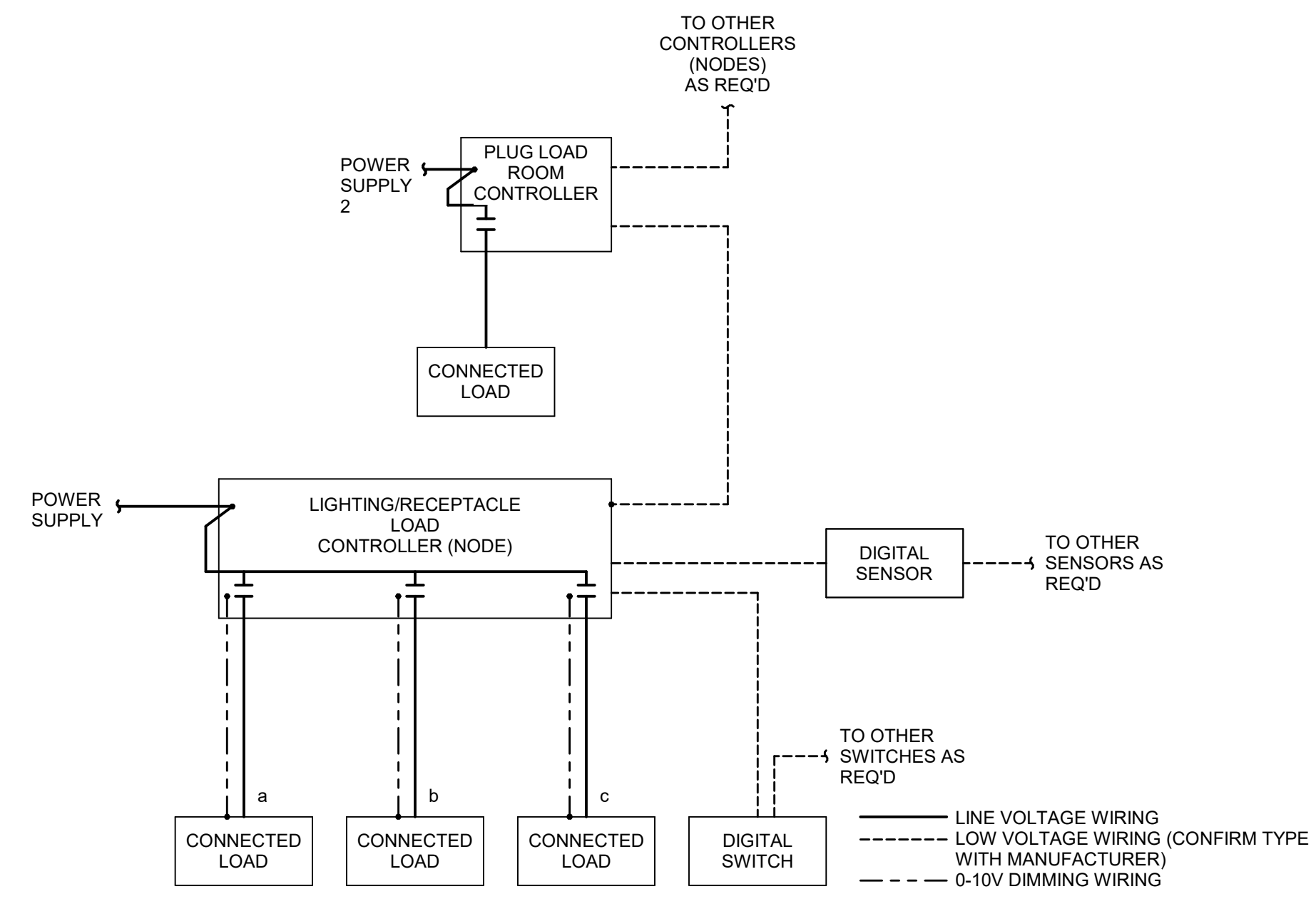
11 EXTERIOR HANDHOLE DETAIL
NTS



16 LIGHTING STANDARD LUMINAIRE WIRING
NTS

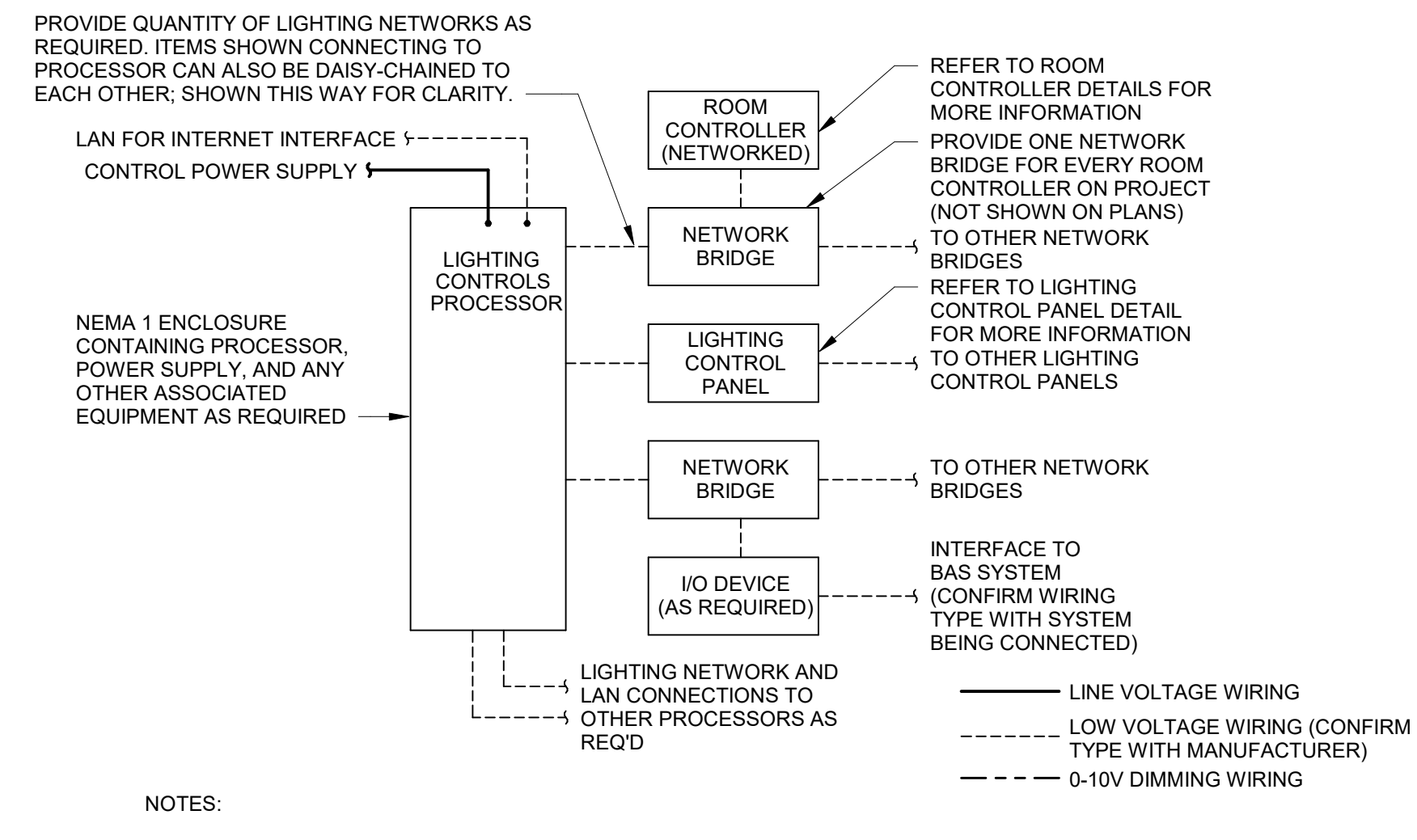


16 LIGHTING STANDARD LUMINAIRE WIRING
NTS



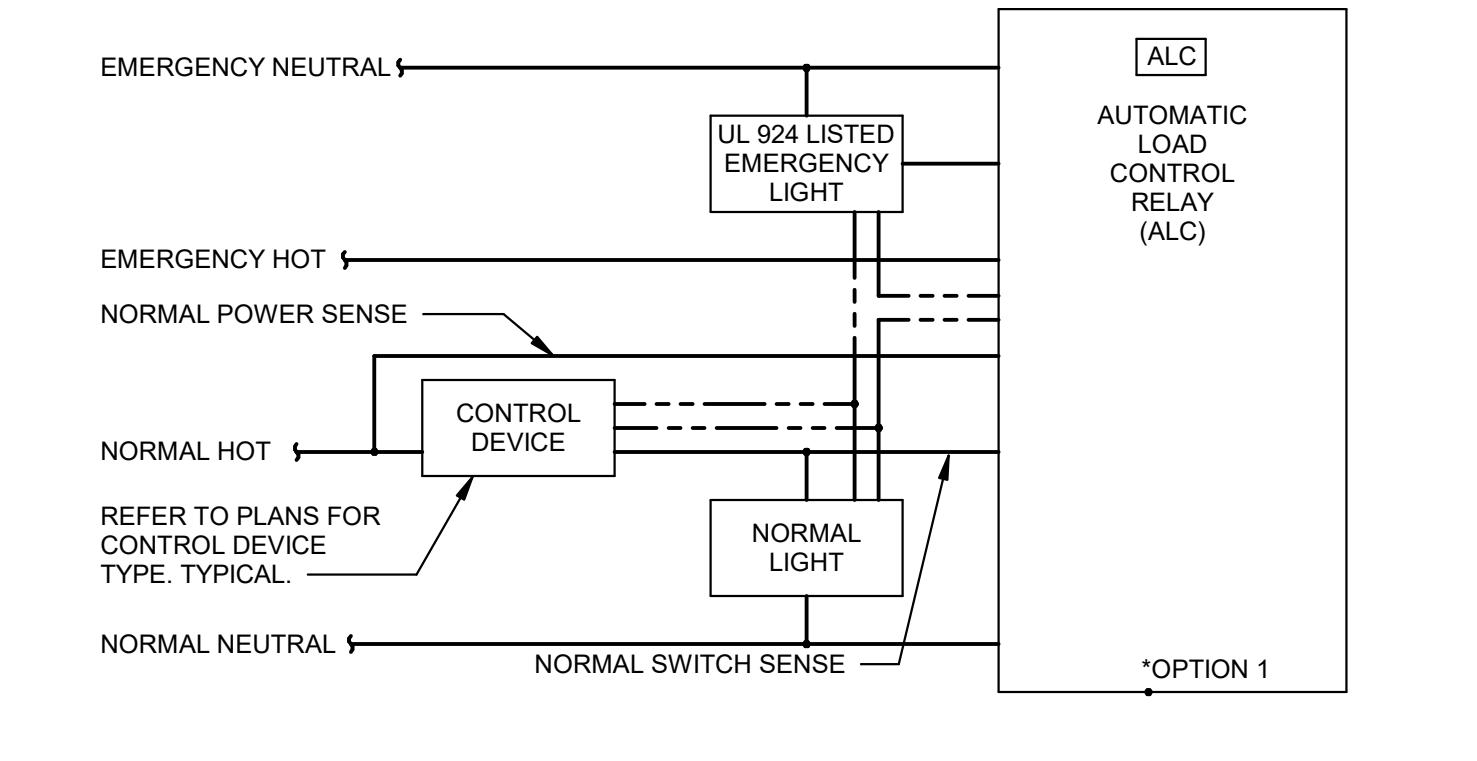
- NOTES:
- REFER TO LIGHTING CONTROL DEVICE SCHEDULE FOR DEVICE AND EQUIPMENT SPECIFICATIONS.
 - QUANTITY OF RELAYS SHOWN IS GENERIC. REFER TO PLANS, LIGHTING CONTROL DEVICE SCHEDULE, AND SHOP DRAWINGS FOR FINAL QUANTITY CONTROLLER.
 - DETAIL IS DIAGRAMMATIC AND IS BASED ON LUTRON. THIS REPRESENTS THE GENERAL SCOPE OF WORK AND LOCATION OF DEVICES IN RELATION TO EACH OTHER ALONG THE POWER CIRCUIT. DIAGRAMS MAY BE DIFFERENT FOR ALLOWED EQUIVALENT MANUFACTURERS. ELECTRICAL CONTRACTOR SHALL COORDINATE FULL SYSTEM REQUIREMENTS WITH SELECTED MANUFACTURER. PROVIDE ALL PARTS AND PIECES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. REFER TO FINAL APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WIRING DIAGRAMS FOR INSTALLATION.
 - CIRCUITING SHOWN ON THE PLAN CORRESPONDS TO THE LIGHTING CONTROL INTENT. IF CIRCUITING IS CHANGED IN THE FIELD, ENSURE THAT SYSTEM PROGRAMMING WITH REVISED CIRCUITING MEETS THE ORIGINAL LIGHTING CONTROL INTENT. UPDATE LIGHTING CONTROL PANEL SCHEDULES IN RECORD DRAWINGS.
 - PROVIDE SYSTEM COMMISSIONING AS REQUIRED PER ENERGY CODE.

3 ROOM CONTROLLER DETAIL - ON/OFF OR ON/OFF/0-10V DIMMING CONTROL NTS



- NOTES:
- REFER TO LIGHTING CONTROL DEVICE SCHEDULE FOR DEVICES AND EQUIPMENT SPECIFICATIONS.
 - DETAIL IS DIAGRAMMATIC AND IS BASED ON LUTRON. THIS REPRESENTS THE GENERAL SCOPE OF WORK AND LOCATION OF DEVICES IN RELATION TO EACH OTHER ALONG THE POWER CIRCUIT. DIAGRAMS MAY BE DIFFERENT FOR ALLOWED EQUIVALENT MANUFACTURERS. ELECTRICAL CONTRACTOR SHALL COORDINATE FULL SYSTEM REQUIREMENTS WITH SELECTED MANUFACTURER. PROVIDE ALL PARTS AND PIECES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. REFER TO FINAL APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WIRING DIAGRAMS FOR INSTALLATION.
 - CIRCUITING SHOWN ON PLAN(S) CORRESPONDS TO LIGHTING CONTROL INTENT. IF CIRCUITING IS FIELD-MODIFIED, ENSURE THAT SYSTEM PROGRAMMING WITH REVISED CIRCUITING MEETS ORIGINAL LIGHTING CONTROL INTENT.
 - INTEGRAL TIMELOCK SHALL BE ASTRONOMIC, PROGRAMMABLE WITH 365 DAY / HOLIDAY SCHEDULING, AND HAVE 24 HOUR BATTERY BACK-UP. LIGHTING CONTROL SYSTEM SHALL COMPLY WITH ALL LOCAL AND STATE ENERGY CODES.
 - COORDINATE WITH OWNER AND LANDLORD FOR PROGRAMMABLE TIMELOCK SCHEDULES. PROVIDE GENERAL CONTRACTOR WITH SYSTEM PROGRAMMING WITH REVISED CIRCUITING MEETS ORIGINAL LIGHTING CONTROL INTENT.
 - PROVIDE SYSTEM PROGRAMMING AS REQUIRED FOR SYSTEM TO OPERATE PER THESE CONTRACT DOCUMENTS.
 - PROVIDE SYSTEM COMMISSIONING AS REQUIRED PER ENERGY CODE.

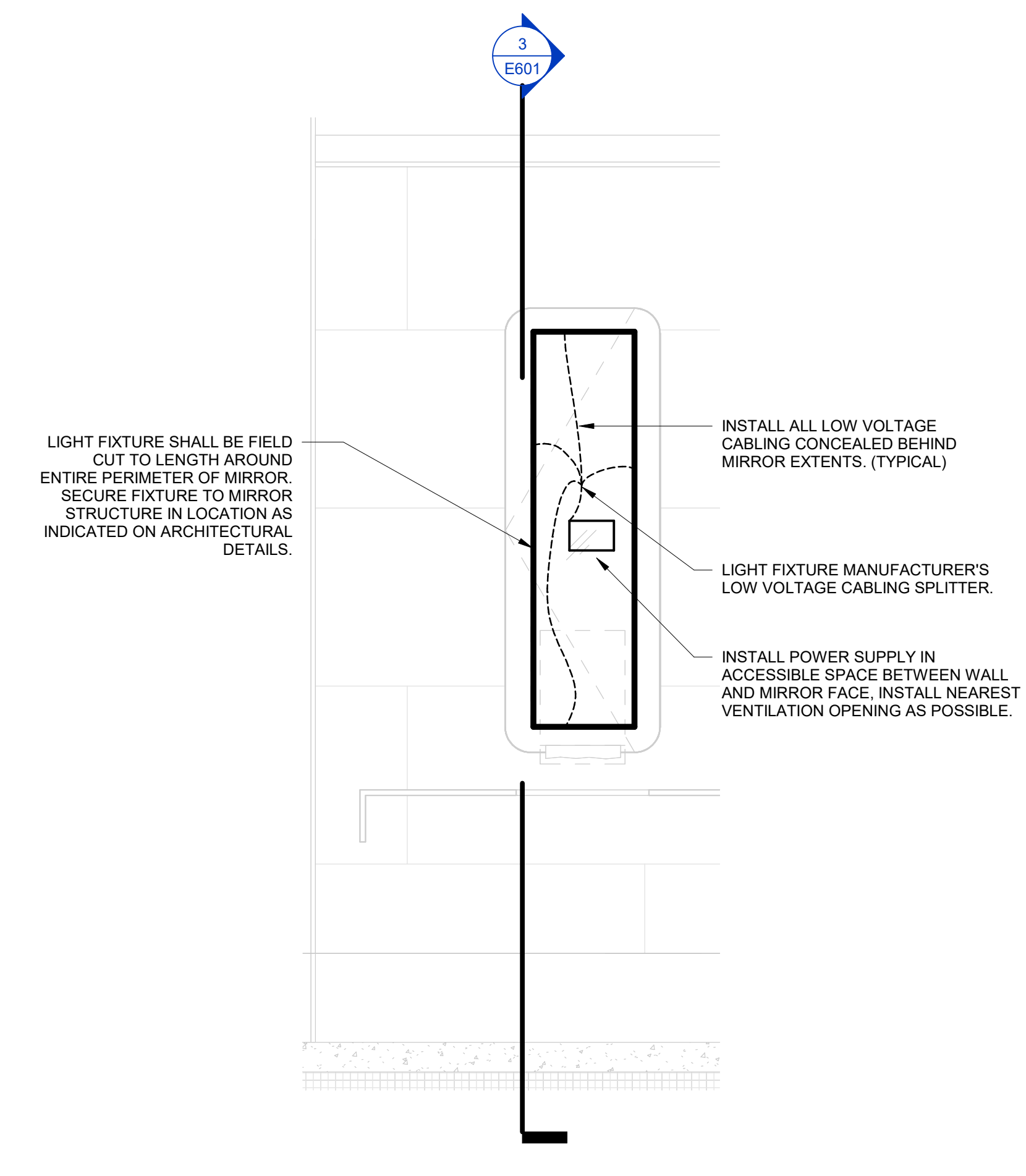
4 HYBRID LIGHTING CONTROL DIAGRAM NTS



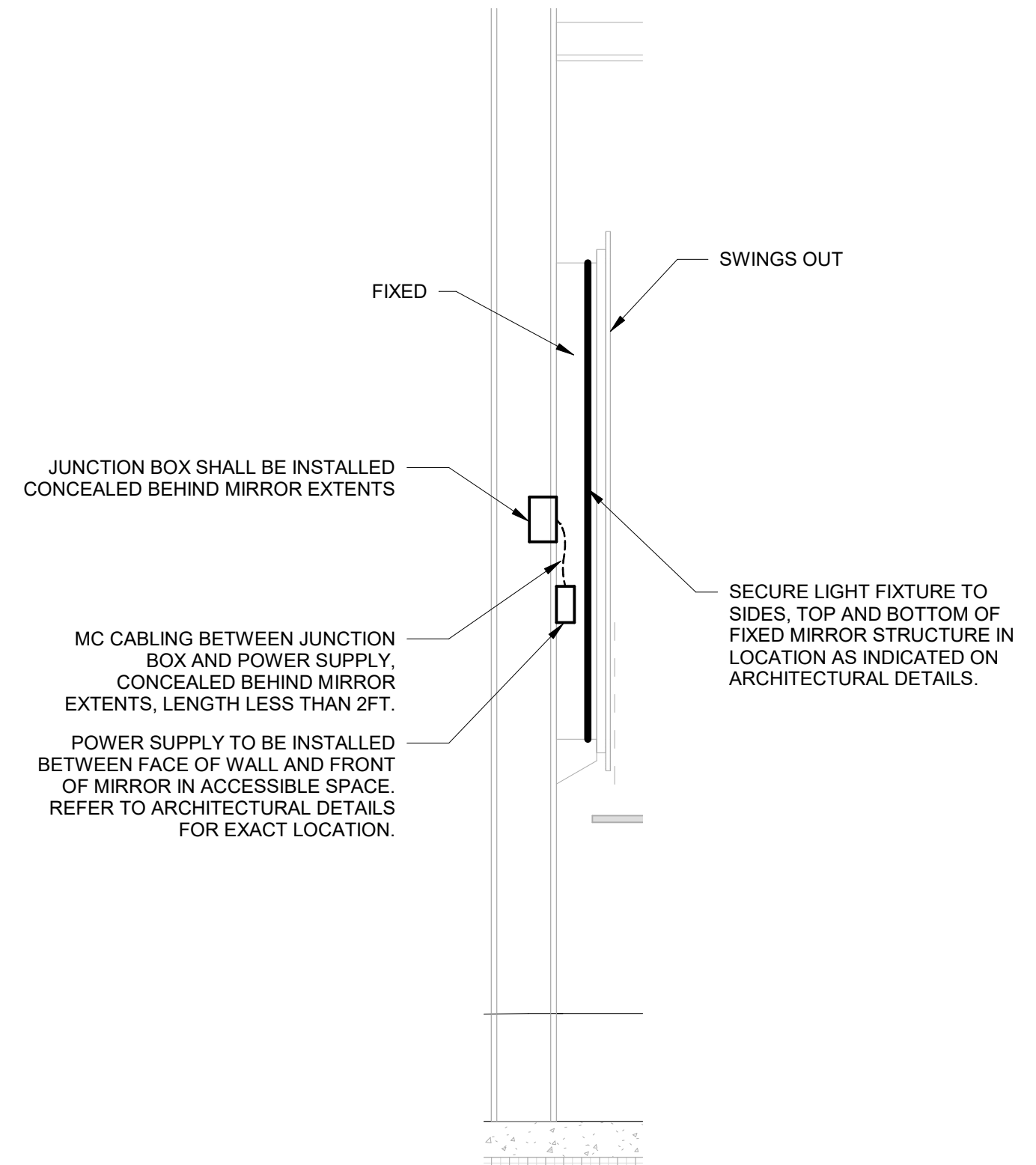
- NOTES:
- OPERATION: EMERGENCY AND NORMAL LIGHT FIXTURES ARE CONTROLLED TOGETHER. UPON NORMAL POWER LOSS, EMERGENCY LIGHT FIXTURES SHALL AUTOMATICALLY TURN ON TO FULL OUTPUT.
 - REFER TO SPECIFICATIONS FOR MORE INFORMATION. PROVIDE SUBMITTAL FOR ENGINEER'S REVIEW PRIOR TO PURCHASE.
 - LOCATE ALC WHERE ACCESSIBLE. REFER TO LIGHTING PLANS FOR MORE INFORMATION.
 - WIRING DETAIL IS DIAGRAMMATIC ONLY AND BASED ON LVS CONTROLS DEVICE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SPECIFIC WIRING DIAGRAM.

EMERGENCY LIGHT FIXTURES MUST ALSO BE UL924 LISTED PER NEC 700.24

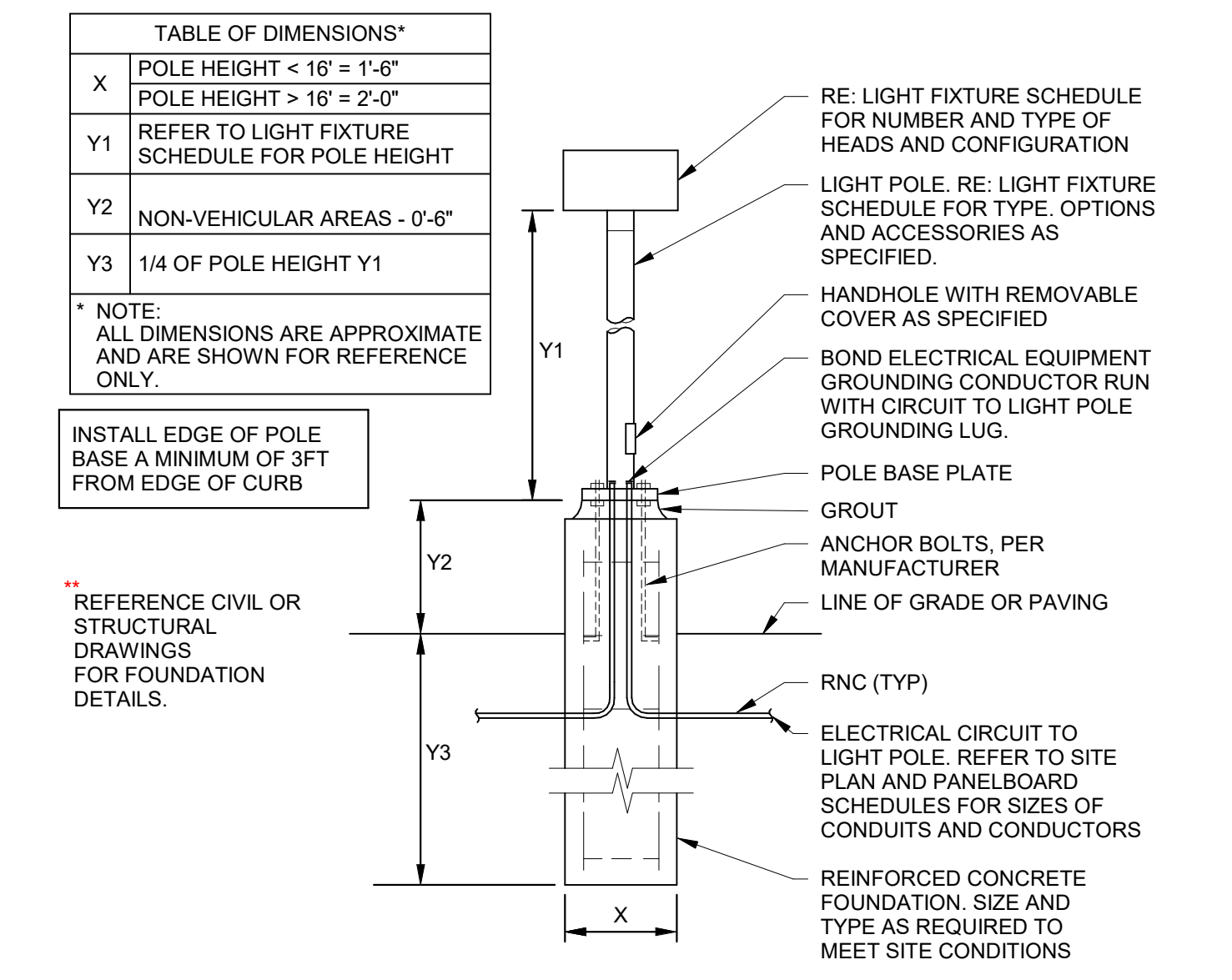
1 (LOADS CONTROLLED TOGETHER) 0-10V AUTOMATIC LOAD CONTROL RELAY DETAIL NTS



2 LIGHTING VANITY MIRROR NTS



3 LIGHTING VANITY MIRROR SECTION NTS



6 POLE BASE DETAIL NTS



NUMBER	DATE	DESCRIPTION



08/20/2024

Issue Date:
 02.24.2023

REVISIONS	
NUMBER	DATE / DESCRIPTION
1	03/15/23 Addendum 1
2	07/20/23 PR02
3	12/18/23 PR04
4	04/24/24 PR01
5	10/14/24 PR01
6	08/12/24 PR02

Contents:
 LIGHTING LUMINAIRE SCHEDULE

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	SERIES / MODEL	SOURCE			DESCRIPTION	NOTES	HOUSING FINISH
			# OF HEADS	CRI	CT			
B181X	WILLIAMS LIGHTING	LPT-22-145-35-FS-F12125-DM-LV-UNV	-	80	3500 K	2x2 GRID MOUNTED TROFFER WITH HINGED LENS FRAME FOR DRIVER ACCESS FROM BELOW. TYPE B18. PROVIDE WITH 7WATT EMERGENCY BATTERY.	WHITE	
C1.1	WILLIAMS LIGHTING	CXC-2-SFT-L6-8-35-25-D	-	80	3500 K	2.5FT LONG COVE LIGHT FIXTURE WITH INTEGRAL DRIVER, 25-DEGREE ANGLE.	WHITE	
C1.2	WILLIAMS LIGHTING	CXC-2FT-L6-8-35-25-D	-	80	3500 K	2.5FT LONG COVE LIGHT FIXTURE WITH INTEGRAL DRIVER, 25-DEGREE ANGLE.	WHITE	
C1.3	WILLIAMS LIGHTING	CXC-3FT-L6-8-35-25-D	-	80	3500 K	3FT LONG COVE LIGHT FIXTURE WITH INTEGRAL DRIVER, 25-DEGREE ANGLE.	WHITE	
C1.4	WILLIAMS LIGHTING	CXC-4FT-L6-8-35-25-D	-	80	3500 K	4FT LONG COVE LIGHT FIXTURE WITH INTEGRAL DRIVER, 25-DEGREE ANGLE.	WHITE	
C1.8	WILLIAMS LIGHTING	CXC-8FT-L6-8-35-25-D	-	80	3500 K	8FT LONG COVE LIGHT FIXTURE WITH INTEGRAL DRIVER, 25-DEGREE ANGLE.	WHITE	
C2.4	WILLIAMS LIGHTING	CXC-4FT-L8-35-25-D-DM-LV-UNV	-	80	3500 K	4FT LONG COVE LIGHT FIXTURE WITH INTEGRAL DRIVER, 25-DEGREE ANGLE.	WHITE	
DR1DR2	WILLIAMS LIGHTING	6DR-TL20-435-DM-LV-UNV-SW-OF-CS-WET-CC	-	80	3500 K	6" DIA. 20" LONG RECESSED CAN LIGHT, WET LOCATION SHOWER SUITABLE.	WHITE	
DR3	GOTHAM INCITO	ICD1PNS3K-07-WR-48S-MJ-DL-TACH	-	80	3500 K	12" ROUND DOWNLIGHT, SELF-FLANGED, ACCESSIBLE FROM BELOW. 2.5" NICH NICH DOWNLIGHT WITH RECESSED LENS. PROVIDE DRX FIXTURES ALSO WITH 5 WATT EMERGENCY BATTERY. SUITABLE FOR INSTALLATION IN ANGLED SURFACE.	WHITE	
DR3DRX	WILLIAMS LIGHTING	2DR3L835-DM-LV-UNV-RVW-OF-TACH	-	80	3500 K	2.5" ROUND DOWNLIGHT WITH RECESSED LENS. PROVIDE DRX FIXTURES ALSO WITH 5 WATT EMERGENCY BATTERY. SUITABLE FOR INSTALLATION IN ANGLED SURFACE.	WHITE	
DR4DR4X	WILLIAMS LIGHTING	4DR-120-35-DM-LV-UNV-Q-W-OF-CS	-	80	3500 K	4" DIA. 12" LONG RECESSED CAN LIGHT, WET LOCATION SHOWER SUITABLE.	WHITE	
DR4DR4X	WILLIAMS LIGHTING	4DR-120-35-DM-LV-UNV-Q-W-OF-CS	-	80	3500 K	4" DIA. 12" LONG RECESSED CAN LIGHT, WET LOCATION SHOWER SUITABLE.	WHITE	
DS1DS1X	WILLIAMS LIGHTING	4DS-10-4-35-DRV-UNV-Q-W-OF-CS	-	80	3500 K	4" DIA. 10" LONG RECESSED CAN LIGHT, WET LOCATION SHOWER SUITABLE.	WHITE	
DS2DS2X	WILLIAMS LIGHTING	4DS-10-4-35-DRV-UNV-Q-W-OF-CS	-	80	3500 K	4" DIA. 10" LONG RECESSED CAN LIGHT, WET LOCATION SHOWER SUITABLE.	WHITE	
DS3DS3X	WILLIAMS LIGHTING	4DS-10-4-35-DM-LV-UNV-Q-W-OF-CS	-	80	3500 K	4" DIA. 10" LONG RECESSED CAN LIGHT, WET LOCATION SHOWER SUITABLE.	WHITE	
DS4DS4X	WILLIAMS LIGHTING	4DS-10-4-35-DM-LV-UNV-Q-W-OF-CS	-	80	3500 K	4" DIA. 10" LONG RECESSED CAN LIGHT, WET LOCATION SHOWER SUITABLE.	WHITE	
EM1	WILLIAMS LIGHTING	EMERGED	2	-	200	N/A	277 5 6	
F1F1X	WILLIAMS LIGHTING	96-4-162-8-40-EMF-RDM-LV-UNV	-	80	4000 K	6.200	277 48 53	
F2.1F2.1X	WILLIAMS LIGHTING	75S-4-10-50-80-DRV	-	80	3500 K	4.800	ND 277 33 37	
F2.2F2.2X	WILLIAMS LIGHTING	75S-4-10-835-DRV	-	80	3500 K	3.100	ND 277 20 22	
F2.3F2.3X	WILLIAMS LIGHTING	75S-4-165-840-DRV	-	80	3500 K	6.500	ND 277 42 47	
G1	LSI	EXN-P-EGLD-3L75W-15W-UNV-DM-30-70C-R	-	70	3000 K	2.900	0-10V 277 22 24	
G1X	LSI	EXN-P-EGLD-3L75W-15W-UNV-DM-30-70C-R-CWB	-	70	3000 K	2.900	0-10V 277 22 24	
G2	LSI	EXN-P-EGLD-4L75W-15W-UNV-DM-30-70C-R	-	70	3000 K	6.000	0-10V 277 44 49	
G2X	LSI	EXN-P-EGLD-4L75W-15W-UNV-DM-30-70C-R-CWB	-	70	3000 K	6.000	0-10V 277 44 49	
H1.&H1.8X	WILLIAMS LIGHTING	MXMS-15-35-F5-EM10WR-DM-GRV-UNV	-	80	3500 K	11.200	0-10V 277 108 120	
J	NOVAFLEX	DESIGN-NF-DS-0-64-24V-3500K	-	80	3500 K	200LMFT	0-10V 277 72 80	
J2	NOVAFLEX	DESIGN-NF-DS-0-128-24V-3500K	-	80	3500 K	300LMFT	0-10V 277 83 92	
J3	NOVAFLEX	DS-0-128-24V-2700K-CHANNEL 2013	-	80	3500 K	300LMFT	0-10V 277 72 80	
J4	NOVAFLEX	DESIGN-NF-DS-0-128-24V-3500K	-	80	3500 K	150LMFT	0-10V 277 30 32	
J5	NOVAFLEX	DESIGN-NF-SP-DS-0-128-24V-AS-DF-CH1919U-DM-30-31T-AS	-	80	2700 K / 5000 K	150LMFT	0-10V 277 570 633	
J6	NOVAFLEX	DESIGN-NF-DS-0-128-24V-3000K-CH-1813	-	80	3500 K	150LMFT	0-10V 277 96 107	
J7	NOVAFLEX	DESIGN-NF-NEON-W-ROUND-24V-3000K WITH BOTTOM FEED LEAD OPTION	-	80	3500 K	150LMFT	0-10V 277 24 26	
K1	OCL	KW4-FRF-33AW-XXL-E10128-WF-UNV-100-D-M	-	80	3500 K	815	0-10V 277 7 7	
K2	OCL	KW4-FRF-33AW-XXL-E10128-WF-UNV-100-D-M	-	80	3500 K	990	0-10V 277 16 16	
K3	OCL	GS-1-PCFC-14-CR-BMP-LED1-38K-UNV-48-DM1	-	80	3500 K	825	0-10V 277 11 12	
K4	OCL	NOVA: NO1-P1FA-18MW-XXX-LED1-38K-UNV-48-DM1	-	80	3500 K	1.500	0-10V 277 15 17	
L1.4L1.4X	WILLIAMS LIGHTING	MXRG-4-00-L8-835-F-(L5)-DM-	-	80	3500 K	600LMFT	0-10V 277 20 22	
L1.8L1.8X	WILLIAMS LIGHTING	MXRG-8-00-L8-835-F-(L5)-DM-	-	80	3500 K	600LMFT	0-10V 277 40 44	
L1.12	WILLIAMS LIGHTING	MXRG-12-00-L8-835-F-(L5)-DM-	-	80	3500 K	600LMFT	0-10V 277 60 67	
L1.16	WILLIAMS LIGHTING	MXRG-16-00-L8-835-F-(L5)-DM-	-	80	3500 K	600LMFT	0-10V 277 80 89	
L2.4	WILLIAMS LIGHTING	MXRG-4-00-L8-835-F-(L5)-DM-	-	80	3500 K	500LMFT	0-10V 277 17 19	
L2.8L2.8X	WILLIAMS LIGHTING	MXRG-8-00-L8-835-F-(L5)-DM-	-	80	3500 K	500LMFT	0-10V 277 34 38	
L2.12	WILLIAMS LIGHTING	MXRG-12-00-L8-835-F-(L5)-DM-	-	80	3500 K	500LMFT	0-10V 277 51 57	
L3.8L3.8X	WILLIAMS LIGHTING	MXRG-8-00-L8-835-F-DM	-	80	3500 K	600LMFT	0-10V 277 32 34	
LRG1	INSIGHT LIGHTING	PGM-12-RGBW-10-30-30-UNV-DM-XX-F-MG-L-VP-MQ4-PT-CDS-A	-	-	RGBW	DMX	277 48 51	
M1	WILLIAMS LIGHTING	M1-REC-24-L30-35-5-A-DM-LV-UNV	-	80	3500 K	3.000	0-10V 277 28 30	
N1	HEALTHCARE LIGHTING-ACILITY	HLS1-102-QACT-MOLT-MX-T2-INT	-	80	2700K	50	ND 277 3 3	
OR1	WILLIAMS LIGHTING	MS1-G-14-L36-GRN-303-835-CS-SY-2-DM-LV-UNV	-	80	3500 K / GREEN	3.000M / 3.000M	0-10V 277 78 82	
P1	WILLIAMS LIGHTING	4CS-L20-835-xx-DRV-UNV-RV-XX-WH-PD-PMX	-	80	3500 K	2.000	ND 277 26 27	
P2	METEC	DT1-4-358-UNV-SPV-WHT-ST4	-	85	3500 K	500	0-10V 277 6 7	
P3	METEC	DT2-15-358-UNV-SPV-40-WHT-ST4	-	85	3500 K	1.500	0-10V 277 15 17	
P4P4X	METEC	AS4-35-358-UNV-SPV-40-WHT-ST4-EMP	-	85	3500 K	2.600	0-10V 277 35 39	
P5	WILLIAMS LIGHTING	4CS-L25-835-xx-DM-LV-UNV-RV-XX-WH-PD-CM6-0	-	80	3500 K	2.500	0-10V 277 32 34	
P6	WILLIAMS LIGHTING	4CS-L08-835-xx-DM-LV-UNV-RV-XX-WH-PD-PM3-0	-	80	3500 K	900	0-10V 277 11 12	
PL1.8	WILLIAMS LIGHTING	MX4D-XX-URGB-G-DL815-835AF-ACD48	-	80	3500 K	500LMFT	DMX 277 229 239	
PL1.30	WILLIAMS LIGHTING	MX4D-XX-URGB-G-DL815-835AF-ACD48	-	80	3500 K	500LMFT	DMX 277 852 897	
PL2.5	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 56 62	
PL2.6	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-12-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 84 93	
PL2.7	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-12-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 70 78	
PL2.8	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 112 124	
PL2.8AX	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 112 124	
PL2.10	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 112 124	
PL2.11	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 112 124	
PL2.12/PL2.12X	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 144 152	
PL2.12A/PL2.12AX	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 144 152	
PL2.13/PL2.13X	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 144 152	
PL2.14/PL2.14X	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 168 177	
PL2.15/PL2.15X	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 168 177	

LIGHT FIXTURE SCHEDULE NOTES:
 1. FIXTURES MAY HAVE MULTIPLE FIXTURE HOUSING FINISHES REQUIRED DEPENDING ON LOCATION WITH BUILDING. COORDINATE FIXTURE FINISHES AND ASSOCIATED QUANTITIES FOR THESE FIXTURES INDICATED WITH ARCHITECTURAL FINISH PLANS.
 2. PROVIDE CEILING PLAN LAYOUT WITH FINISH TO MATCH CONFIGURATION INDICATED FOR COORDINATION.
 3. PROVIDE TRACK HEAD MODULE IN FINISH TO MATCH ASSOCIATED TRACK BODY HOUSING.
LIGHT FIXTURE SCHEDULE DIMMING TYPE ABBREVIATIONS:
 - LDE - LUTRON DIMMING SYSTEM WITH ATHENA WIRELESS NODE INSTALLED ON FIXTURE.
 - ND - NON-DIMMING DRIVER.
 - 0-10V-0-10V DIMMING DRIVER. DIM TO 10% UNLESS NOTED OTHERWISE IN FIXTURE DESCRIPTION

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	SERIES / MODEL	SOURCE			DESCRIPTION	NOTES	HOUSING FINISH
			# OF HEADS	CRI	CT			
PL2.16/PL2.16X	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 192 202	
PL2.16A/PL2.16AX	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 192 202	
PL2.17/PL2.17X	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 192 202	
PL2.18/PL2.18X	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 192 202	
PL2.20/PL2.20X	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 192 202	
PL2.28X	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 280 274	
PL2.32X	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 320 337	
PL2.38AX	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 380 379	
PL2.64AX	CORONET	LS2-LV-RP-UNV-30FT-35M-MED-DIRECT-MED-UNV-L-DE1-PS-18-AV-BAT-FL-AWNR	-	90	3500 K	450LMFT UP / 450LMFT DOWN	LDE 277 640 711	
PL3.4/PL3.4X	CORONET	LS1-SHARP-4FT-36K-LOW-UNV-OB-BLK-BLKA-CWFL-AWNR	-	90	3500 K	450LMFT DOWN	LDE 277 20 21	
PL3.7/PL3.7X	CORONET	LS1-SHARP-7FT-36K-LOW-UNV-OB-BLK-BLKA-CWFL-AWNR	-	90	3500 K	450LMFT DOWN	LDE 277 35 37	
PL3.8/PL3.8X	CORONET	LS1-SHARP-8FT-36K-LOW-UNV-OB-BLK-BLKA-CWFL-AWNR	-	90	35			

NUMBER	DATE	DESCRIPTION
1	03.19.23	ADDENDUM 1
2	06.29.23	ADDENDUM 2
3	11.16.23	REVISED

LIGHTING CONTROL DEVICE SCHEDULE

LINE-VOLTAGE WALL SWITCH OCCUPANCY SENSORS					
SYMBOL TAG	MANUFACTURER MODEL/SERIES	DEVICE DESCRIPTION	COVERAGE (W X D)	VOLTAGE	NOTES
S1	LUTRON MS-OPSSM	WALL MOUNT PASSIVE INFRARED OCCUPANCY SENSOR. INTEGRAL MANUAL OVERRIDE SWITCH. SINGLE RELAY. LINE-VOLTAGE. LOAD: 120V/800W, 277V/1200W.	MAJOR 37 x 35 MINOR 15 x 20	120 277	
LINE-VOLTAGE DIMMING WALL SWITCH OCCUPANCY SENSORS					
VD	LUTRON MS-2101	WALL MOUNT PASSIVE INFRARED OCCUPANCY SENSOR. MULTI-WAY. INTEGRAL MANUAL OVERRIDE SWITCH. SINGLE RELAY. LINE-VOLTAGE. 0-10V DIMMING. 500A SINK. LOAD: 120V/800W, 277V/1200W. AUTO ON TO 50%.	MAJOR 37 x 37 MINOR 15 x 20	120 277	
STAND-ALONE LOW-VOLTAGE SWITCHES					
SL1	LUTRON M5C-A5-277	SINGLE POLE SWITCH COMPANION TO WALL SENSOR SWITCH. CONTROL OF ONE ZONE			
NETWORK LIGHTING CONTROL SYSTEMS					
NETWORK OCCUPANCY SENSORS					
1	LUTRON LOS-CDT-2000	CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. 360 DEGREE COVERAGE. DIGITAL. (1) RJ45 PORT.	PIR MAJOR 32 0 PIR MINOR 15 0 ULT MAJOR 29 x 25'	24	
2	LUTRON LOS-CDT-5000WH	CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. 180 DEGREE COVERAGE. DIGITAL. (1) RJ45 PORT.	PIR MAJOR 22 0 PIR MINOR 12 0 ULT MAJOR 23 0	24	
3	LUTRON LRF2-COR2B	WIRELESS CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. 360 DEGREE COVERAGE. DIGITAL. BLACK HOUSING FINISH	PIR MAJOR 32 0 PIR MINOR 15 0 ULT MAJOR 29 x 25'	24	
4	LUTRON XXX	JBOX MOUNT PASSIVE INFRARED OCCUPANCY SENSOR - EXTERIOR. 360 DEGREE COVERAGE. LOW-VOLTAGE. IP66 WATERIGHT. LOW/HIGH TEMPERATURE RATED. 0-10VDC.	PIR MAJOR 32 0 PIR MINOR 15 0	24	
5	LUTRON LOS-WP6WH	WALL MOUNT PASSIVE INFRARED OCCUPANCY SENSOR. 90 DEGREE COVERAGE. DIGITAL. (1) RJ45 PORT.	MAJOR 40 0 MINOR 15 0	24	
6	LUTRON LUT-WP5M24V-360-4WH-CPH6111	HIGH BAY CEILING MOUNT PASSIVE INFRARED OCCUPANCY SENSOR. 360 DEGREE COVERAGE	PIR MAJOR 52 0 PIR MINOR 15 0	24	
NETWORK DAYLIGHT SENSORS					
D1	LUTRON EC-D18-WH	DAYLIGHT SENSOR FOR (1) ZONE. AUTOMATIC DIMMING OF LIGHTS			
NETWORK ROOM CONTROLLERS (POWER PACK)					
DMX	LUTRON QSE-CD-DMX	DMX CONTROL INTERFACE			
ESN	LUTRON QSN2-4T20-S	DIGITAL ROOM CONTROLLER FOR ON/OFF/10V DIMMING CONTROL OF LIGHTING LOADS. FOUR SEPARATE 120/277V 20AMP LOADS OF CONTROL AND FOUR SEPARATE 0-10V... ZONES.			
NETWORK LIGHTING SWITCHES					
L1	LUTRON QSW52-1B1	DIGITAL SWITCH FOR ONE ZONE MANUAL ON/OFF		24	
L2	LUTRON QSW52-3B1LJ	DIGITAL SWITCH FOR MANUAL ON/OFF/DIMMING CONTROL. THREE BUTTONS PLUS RAISE/LOWER BUTTONS. CONTROLS TWO LIGHTING ZONES INDEPENDENTLY.		24	
L3	LUTRON QSW52-6B1LJ	DIGITAL SWITCH FOR MANUAL ON/OFF/DIMMING CONTROL. FIVE BUTTONS PLUS RAISE/LOWER BUTTONS. CONTROLS UP TO 4 LIGHTING ZONES INDEPENDENTLY.		24	
LK	LUTRON OS KEYSWITCH QSW52-3DMKC	3-POSITION MOMENTARY CONTACT LOCAL OVERRIDE ON SWITCH		24	
L4	LUTRON QSW52-3B1LJ	DIGITAL SWITCH FOR MANUAL ON/OFF/DIMMING CONTROL. TWO BUTTONS PLUS RAISE/LOWER BUTTONS. CONTROLS ONE LIGHTING ZONE.		24	

GENERAL NOTES:
A. OCCUPANCY SENSOR LAYOUT DESIGNED FROM BASIS-OF-DESIGN COVERAGE PATTERNS. IF SUBMITTING ALTERNATE PER EQUIVALENT MANUFACTURER COLUMN, ADJUST SENSOR QUANTITIES AND LOCATIONS PER MANUFACTURER-SPECIFIC SPACING CRITERIA.
B. PROVIDE SHOP DRAWINGS FOR ENGINEER AND ARCHITECT REVIEW THAT INCLUDE PRODUCT CUTSHEETS AND PROJECT-SPECIFIC LAYOUTS. LAYOUTS MUST INCLUDE SENSOR LOCATIONS, HEIGHTS, ORIENTATION AND COVERAGE AREAS. SHOW COORDINATION WITH ALL OTHER CEILING DEVICES INCLUDING BUT NOT LIMITED TO HVAC SUPPLY AND RETURN GRILLES, SPRINKLERS, LIGHT FIXTURES, AND OTHER OWNER-PROVIDED CEILING MOUNTED DEVICES SUCH AS SPEAKERS, SECURITY CAMERAS, PROJECTORS, ETC. (SENSORS MAY BE ADVERSELY AFFECTED IF LOCATED TOO CLOSE TO OTHER CEILING MOUNTED DEVICES). ALSO PROVIDE SCHEMATICS AND SCHEDULES WHEN APPLICABLE.
C. ALL WALL SWITCH AND CEILING SENSORS SHALL HAVE AN ADJUSTABLE TIME DELAY RANGE OF 0-30 MIN. UNO. CONFIRM SENSOR SETTINGS WITH SEQUENCE OF OPERATIONS AND OWNER PRIOR TO SYSTEM COMMISSIONING.
D. PROVIDE A NEUTRAL CONDUCTOR TO ALL WALL SWITCH LOCATIONS PER NEC REQUIREMENTS.
E. DO NOT SHARE NEUTRAL CONDUCTOR ON LOAD SIDE OF DIMMERS.

LIGHTING CONTROL SEQUENCE OF OPERATIONS - EXTERIOR

Lighting Zone - L22
HOURS OF OPERATION
General Note: Confirm all timelock schedules and sensor time delays with owner prior to final programming. Controls sequence based on ASHRAE 90.1-2016 control requirements for Exterior Lighting. All schedules shall be programmed through BAS.
GENERAL REQUIREMENTS
1. Timelock: All exterior lighting shall be turned on at dusk duty or when photocell registers lighting levels lower than 1500; unless noted specifically below.
2. Photocell control shall be provided for all exterior lighting. Refer to photocell schedule for each required separate photocell.
3. Emergency Lighting: Emergency egress lighting is powered from emergency battery ballasts and drivers integral to fixtures designated as emergency. Upon loss of power, all lights designated as emergency shall turn on at full emergency battery back-up output.
4. Third-Party Interface: Building Automation System (BAS) for Exterior Lighting Schedule - Each control zone indicated below shall be able to be programmed with separate schedules and establish through BAS system.
A. ROOFTOP
1. Timelock: Lighting shall be controlled to turn off no later than 1 hour after business closing and not earlier than 1 hour before business opening.
2. Occupancy: No Occupancy Sensor control required.
3. Vacancy: No Vacancy Sensor control required.
4. Dimming: Fixtures shall not be dimmed.
5. Emergency Lighting: Emergency lighting shall be provided to illuminate all egress paths identified
B. LANDSCAPE
1. Timelock:
a. Lighting shall be turned off no later than midnight and turned on no earlier than 6am
b. Lighting shall be turned off no later than midnight and turned on no earlier than 6am
C. HOLIDAY RECEPTACLES
1. Timelock: Both of the following are required.
a. Lighting shall be controlled to turn off no later than 1 hour after business closing and not earlier than 1 hour before business opening.
b. Lighting shall be turned off no later than midnight and turned on no earlier than 6am
2. On-Off schedule for Holiday Receptacle zones shall be coordinated with Owner prior to final programming.
D. WALKWAY
1. Timelock: Lighting shall be controlled to turn off no later than 1 hour after business closing and not earlier than 1 hour before business opening.
2. Occupancy: No Occupancy Sensor control required.
3. Vacancy: No Vacancy Sensor control required.
4. Dimming: Fixtures shall not be dimmed.
5. Emergency Lighting: Emergency lighting shall be provided for egress extending 10 feet past exterior egress door.
E. SURFACE PARKING & DRIVE (Light fixtures shall have a rated input wattage of less than 75 watts)
1. Timelock: Lighting shall be controlled to turn off no later than 1 hour after business closing and not earlier than 1 hour before business opening.
2. Occupancy: No Occupancy Sensor control required.
3. Vacancy: No Vacancy Sensor control required.
4. Dimming: Fixtures shall not be dimmed.
F. PARKING GARAGE - ENTRY ZONE [x2] PRIMARY AND SECONDARY DAYLIGHT CONTROL ZONES
1. Zone shall be integrated into Central Athena Control system.
2. Timelock: No timelock control
3. Photocell: Photocell located outside of drive entry shall turn on lights designated with zone [x2] to turn on when daylight light level exceeds 50% (adjustable)
4. Fixtures in entry zone shall only be controlled via photocell to provide transition lighting between the exterior of the building and interior of the parking garage.
5. Emergency Lighting: Egress lighting shall be provided throughout parking garage.
G. PARKING GARAGE - ALL OTHER PARKING AND DRIVE
1. Fixtures shall have controls integrated with controls and shall not be controlled with other exterior site lighting.
2. Timelock: No timelock control.
3. Occupancy: Fixtures shall return to 100% output when motion is detected
4. Vacancy: Fixtures shall not turn completely off. They shall remain at dimmed light level of 30%.
5. Dimming: Fixtures shall be dimmed to 30% output when there is no activity detected within a lighting zone for 20 minutes.
6. Emergency Lighting: Egress lighting shall be provided throughout parking garage.
H. BIKE GROTTO TUNNEL
1. Daytime Controls
a. Photocell shall turn on control zone (z57) ceiling lights when exterior light level exceeds 30%.
2. Nighttime Controls
a. Photocell shall turn off control zone (z57) ceiling lights when exterior light level is less than 30%.
3. Control zones (z57) and (z516) shall remain on at all times.
4. Control zone (z516) shall have remote RGBW control interface with multiple programmable modes.
5. Occupancy: No Occupancy Sensor control required.
6. Vacancy: No Vacancy Sensor control required.
7. Emergency Lighting: Emergency lighting shall be provided within tunnel for egress extending 5 feet past exterior entrances of tunnel.

LIGHTING CONTROL SEQUENCE OF OPERATIONS - INTERIOR

A. HOURS OF OPERATION
General Note: Confirm all timelock schedules and sensor time delays with owner prior to final programming.
B. GENERAL REQUIREMENTS
1. Timelock
2. Emergency Lighting: Emergency egress lighting is powered from emergency battery ballasts and drivers integral to fixtures designated as emergency. Upon loss of power, all lights designated as emergency shall turn on at full emergency battery back-up output.
3. Provide egress services to Owner to be program any and all zones and scenes requested following substantial completion of lighting and controls systems.
4. Daylighting
A. All lighting zones as identified and required by ASHRAE 90.1-2016 requiring daylight controls shall be provided with automatic daylight dimming controls.
B. Unless noted otherwise, daylighting zones shall be manually controlled with other lighting within associated space.
C. Daylighting controls shall only be utilized to adjust lighting output when sensor's spaces indicate occupancy motion is present.
C. STANDALONE CONTROLS
All controls listed in this section are standalone controls and are not connected to the integrated networked system.
a. INDIVIDUAL OFFICE - MEETING (LESS THAN 150 SQUARE FEET)
1. Control Zones
a. Recessed Linear
b. Cove Lighting
2. Occupancy Sensor shall automatically turn lights on to 50%.
3. Vacancy: After 20 minutes without sensing motion all controlled loads shall turn off.
4. Sensors shall also provide automatic receptacle control for 50% of 20amp 120V receptacles within these spaces as required by Energy Code.
b. STORAGE
1. Manual Control: Non-Dimming - Occupant can manually control lights on-off
2. Occupancy: Manual on control
3. Vacancy: After 20 minutes without sensing motion all controlled loads shall turn off.
c. MECHANICAL - CUSTODIAL
1. Manual Control: Step-Dimming - Occupant can manually control lights on-off and adjust intensity by 50%.
2. Occupancy: Sensor shall automatically turn lights on to 50%. Occupant can adjust lights up to 100%.
3. Vacancy: After 20 minutes without sensing motion all controlled loads shall turn off.
d. CLINIC EXAM ROOMS
1. Manual Control: Dimming - Occupant can manually control lights on-off and adjust intensity.
2. Occupancy: Sensor shall automatically turn lights on to 50%. Occupant can adjust lights up to 100 or 100 down to 0%.
3. Vacancy: After 20 minutes without sensing motion all controlled loads shall turn off.
4. Control Zones:
A. Cove Lighting
B. Recessed Linear
C. Undercabinet light fixture
5. Control Zones A & B shall be controlled separately on low voltage switch
6. Control Zone C shall be provided with separate "button control for on-off control at counter.
D. NETWORKED CONTROLS
a. CLASSROOM - MEETING (EXCEEDING 150 SQUARE FEET)
1. Manual Control: Dimming - Occupant can manually control lights on-off and raise/lower. Separate buttons shall be provided for raise and lower control.
A. Lighting dedicated for presentation walls shall have separate manual control.
2. Occupancy: Zone (a) shall turn on automatically to 50%. Zone (b) and (c) shall be manually controlled on.
3. Vacancy: After 20 minutes without sensing motion all controlled loads shall turn off.
4. Sensors shall also provide automatic receptacle control for 50% of 20amp 120V receptacles within these spaces as required by Energy Code.
b. FITNESS
1. Manual Control: Dimming - Occupant can manually control lights on-off
2. Occupancy: Sensor shall automatically turn lights on to 100%.
3. Vacancy: After 20 minutes without sensing motion all controlled loads shall turn off.
c. FITNESS CLASSROOMS
1. Manual Control: Dimming - Occupant can manually control lights on-off and raise/lower. Separate buttons shall be provided for raise and lower control.
2. Occupancy: Sensor shall automatically turn lights on to 50%.
3. Vacancy: After 20 minutes without sensing motion all controlled loads shall turn off.
d. LEVEL 1 GYM
1. Manual Control: Dimming - Occupant can manually control lights on-off.
2. Occupancy: Sensor shall automatically turn lights on to 100%.
3. Vacancy: After 20 minutes without sensing motion all controlled loads shall turn off.
4. DMX controls for slight RGB component of pendants shall have single channel to control all fixtures combined with single adjustable color output.
e. MULTI-STALL RESTROOMS - LOCKER ROOMS
1. Manual Control: Occupant can manually control lights on/off via keyed switch.
2. Occupancy: Sensor shall automatically turn lights on to 100%.
3. Vacancy: After 20 minutes without sensing motion all controlled loads shall turn off.
4. Lighting at Mirror shall have separate programmable 0-10V dimming control Present at 40% output. Adjustable via Central System.
f. INDIVIDUAL RESTROOM
1. Manual Control: Non-Dimming - Occupant can manually control lights on-off via manual switch
2. Occupancy: Sensor shall automatically turn lights on to 100%.
3. Vacancy: After 20 minutes without sensing motion all controlled loads shall turn off.
4. Lighting at Mirror shall have separate programmable 0-10V dimming control Present at 40% output. Adjustable via Central System.
g. CORRIDORS - LOBBY
1. Manual Control: Local Manual Control shall be provided via keyed switch only.
2. Occupancy: Sensors shall automatically turn lights on to 100%.
3. Vacancy: After 20 minutes without sensing motion all controlled loads within designated zone shall turn off.
h. SIMULATION LABS
1. Manual Control: Dimming manual control shall be provided.
2. Occupancy & Vacancy: Sensors shall not be provided in simulation labs.
i. OPEN OFFICE
1. Manual Control: Manual control shall be provided to turn on/off lights for each 600 s.f. of open office.
2. Occupancy:
A. Individual control zone shall be no more than 600 s.f.
B. Occupancy sensor shall automatically turn lights on to 100% within zone motion is detected.
3. Vacancy:
A. After 20 minutes without sensing motion within zone turn lights down to 20% of output.
B. When adjacent zones sense no motion for 20 additional minutes all adjacent zones shall turn lights off.
4. Sensors shall also provide automatic receptacle control for 50% of 20amp 120V receptacles within these spaces as required by IECC.

SITE CONTROL SCHEDULE

RELAY CONTROL ZONE	RELAY ZONE DESCRIPTION	LIGHT FIXTURE TYPES
z51	z51 ALLEE GROUND "TURTLE" LIGHTS	SG2
z52	z52 FIRELANE POLE LIGHTS	SP3
z53	z53 EAST SITE BOLLARD LIGHTS	SB1
z54	z54 NORTH SITE BOLLARD LIGHTS	SB1
z55	z55 SOUTH SITE BOLLARD LIGHTS	SB1
z56	z56 SOUTH SITE POLE LIGHTS	SP3
z57	z57 WEST SITE BOLLARD LIGHTS	SB1
z58	z58 BIKE GROTTTO CEILING LIGHTS - UL 924 EM SHUNT TRIP	SD1/SD1X
z59	z59 BIKE GROTTTO FLOOR LINEAR LIGHTS	SGL1
z59	z59 BOARDWALK GROUND "TURTLE" LIGHTS	SG2
z511	z511 PARKING GARAGE ENTRY/UTILITY YARD WALLPACKS	SW1
z511	z511 SOUTH SITE/BOARDWALK LANDSCAPE LIGHTS	SG5
z512	z512 NORTH SITE LANDSCAPE LIGHTS	SG5
z513	z513 EAST SITE ALLEE LANDSCAPE LIGHTS	SG1
z514	z514 OUTDOOR CLASSROOM POLE LIGHTS	SP3
z515	z515 PARKING LOT SITE POLE LIGHTS	SP1
z515	z515 PARKING LOT SITE POLE LIGHTS	SP2
z516	z516 BIKE GROTTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS	SGL3
z516	z516 BIKE GROTTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS	SGL4
z517	z517 SOUTH EAST CANOPY	SDR1
z518	z518 WEST SITE BOLLARD LIGHTS	SB1
z519	z519 TEACHING FARM CATENARY POLE LIGHTING	BA1

SITE CONTROL SCHEDULE-ENTRY

RELAY CONTROL ZONE	RELAY ZONE DESCRIPTION	LIGHT FIXTURE TYPES
se1	se1 ENTRY DOWNLIGHTS 4"	SDR1
se1	se1 ENTRY DOWNLIGHTS 2"	SDR2
se1	se1 ENTRY DOWNLIGHTS 4"	SDR3/SDR1X
se2	se2 ENTRY DOWNLIGHTS 4"	SDR1
se2	se2 ENTRY DOWNLIGHTS 2"	SDR2
se2	se2 ENTRY DOWNLIGHTS 4"	SDR3/SDR1X
se3	se3 ENTRY BOLLARD LIGHTS	SB4
se4	se4 ENTRY WALL WASH LIGHTS **	SG3
se5	se5 ENTRY WALL WASH LIGHTS **	SG3
se6	se6 ENTRY WALL WASH LIGHTS **	SG3
se7	se7 ENTRY WALL WASH LIGHTS **	SG3
se8	se8 ENTRY WALL WASH LIGHTS **	SG3
se9	se9 ENTRY WALL WASH LIGHTS **	SG3
se10	se10 ENTRY WALL WASH LIGHTS **	SG3
se11	se11 ENTRY WALL WASH LIGHTS **	SG3
se12	se12 ENTRY WALL WASH LIGHTS **	SG3
se13	se13 ENTRY WALL WASH LIGHTS **	SG3
se14	se14 ENTRY WALL WASH LIGHTS **	SG3
se15	se15 ENTRY WALL WASH LIGHTS **	SG3
se16	se16 ENTRY WALL WASH LIGHTS **	SG3
se17	se17 ENTRY WALL WASH LIGHTS **	SG3
xe1	xe1 ENTRY DOWNLIGHTS EMERGENCY 4"	SDR1
xe1	xe1 ENTRY DOWNLIGHTS EMERGENCY 4"	SDR3/SDR1X

** - DENOTES CONTROL ZONES WITH DIMMING CAPABILITY

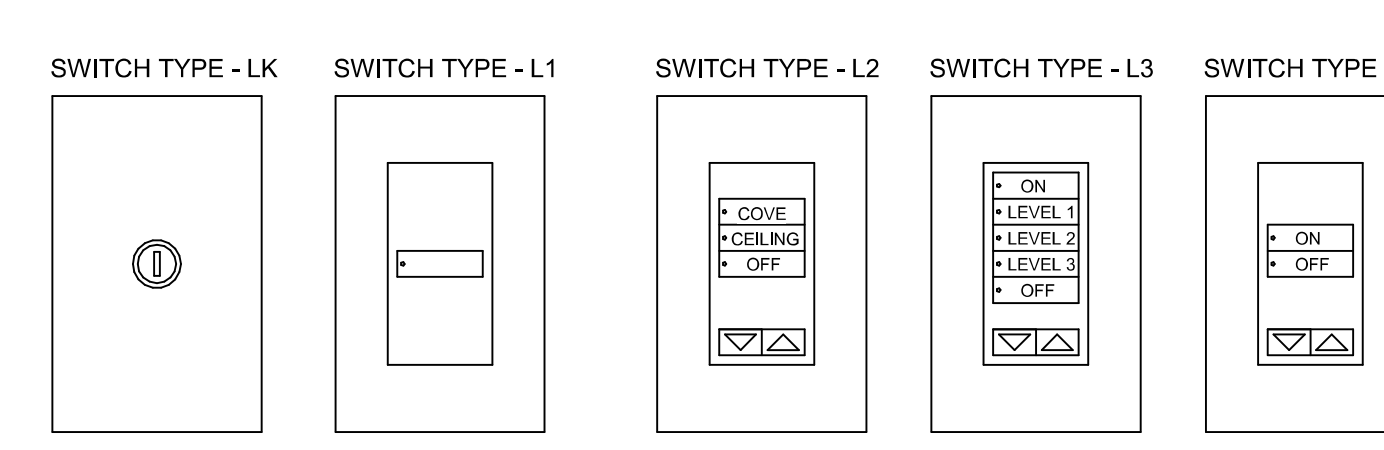
SITE CONTROL SCHEDULE-ROOF

RELAY CONTROL ZONE	RELAY ZONE DESCRIPTION	LIGHT FIXTURE TYPES
zr12	zr12 ROOFTOP BOLLARD LIGHTS	SB1
zr12	zr12 ROOFTOP BOLLARD LIGHTS	SB4
zr12	zr12 LEVEL 4 PLAZA BUILDING ENTRY	SD1/SD1X
zr12	zr12 ROOFTOP BENCH LIGHTS	SP3S
zr12	zr12 ROOFTOP POLE LIGHTS	SP3
zr12	zr12 ROOFTOP STEP LIGHTS	SP3S
zr13	zr13 ROOFTOP LANDSCAPE LIGHTS	SG5
zr14	zr14 AMPHITHEATER BOLLARD LIGHTS	SB4
zr14	zr14 AMPHITHEATER ILLUMINATED HANDRAILS	SH
zr14	zr14 AMPHITHEATER ILLUMINATED HANDRAILS EMERGENCY	SHX
zr14	zr14 AMPHITHEATER BENCH LIGHTS	SP3
zr14	zr14 AMPHITHEATER POLE LIGHTS	SP3S
zr14	zr14 ROOFTOP POLE LIGHTS	SP3S
zr15	zr15 3RD FLOOR PLAZA BOLLARDS	SB4
zr15	zr15 3RD FLOOR PLAZA HANDRAILS	SH
zr15	zr15 3RD FLOOR PLAZA HANDRAILS EMERGENCY	SHX
zr16	zr16 AMPHITHEATER LANDSCAPE LIGHTS	SG1
zr16	zr16 AMPHITHEATER LANDSCAPE LIGHTS	SG5
zr16	zr16 AMPHITHEATER LANDSCAPE LIGHTS	SG6

RELAY CONTROL ZONES zr1-zr11 PROVIDE CONTROL FOR HOLIDAY RECEPTACLES AND SHALL BE PROVIDED WITH SEPARATE SCHEDULE CONTROL PER SEQUENCE.

PHOTOCELL SCHEDULE

SYMBOL TAG	MANUFACTURER	DEVICE DESCRIPTION	NOTES
P1	LUTRON	PARKING GARAGE	PRIMARY DAYLIGHT CONTROL ZONE
P2	LUTRON	PARKING GARAGE	SECONDARY DAYLIGHT CONTROL ZONE
S1	LUTRON	SITE	SITE AND ROOFTOP CONTROL
S2	LUTRON	SITE	ENTRY CANOPY LIGHTING - DAYTIME CONTROL.
S3	LUTRON	SITE	EXTERIOR COURTYARD CONTROL ZONE
S4	LUTRON	SITE	BIKE GROTTTO DAYTIME CONTROL



SWITCHBUTTONS SHALL BE ENGRAVED AS INDICATED ABOVE
SWITCHBANK ELEVATIONS
NTS

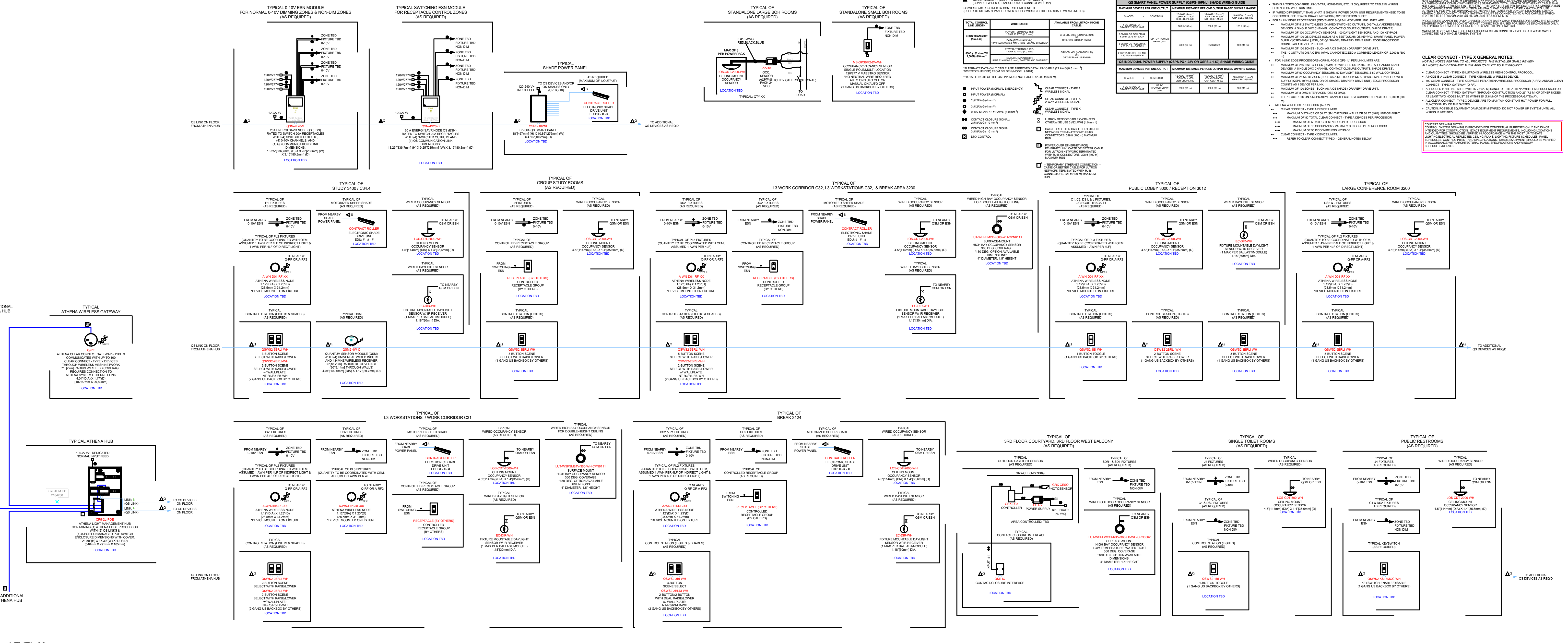
WIRING LEGEND

▲ 120V LINE (SEE WIRING SCHEDULE)
▲ 240V LINE (SEE WIRING SCHEDULE)
▲ 208V LINE (SEE WIRING SCHEDULE)
▲ 277V LINE (SEE WIRING SCHEDULE)
▲ 480V LINE (SEE WIRING SCHEDULE)

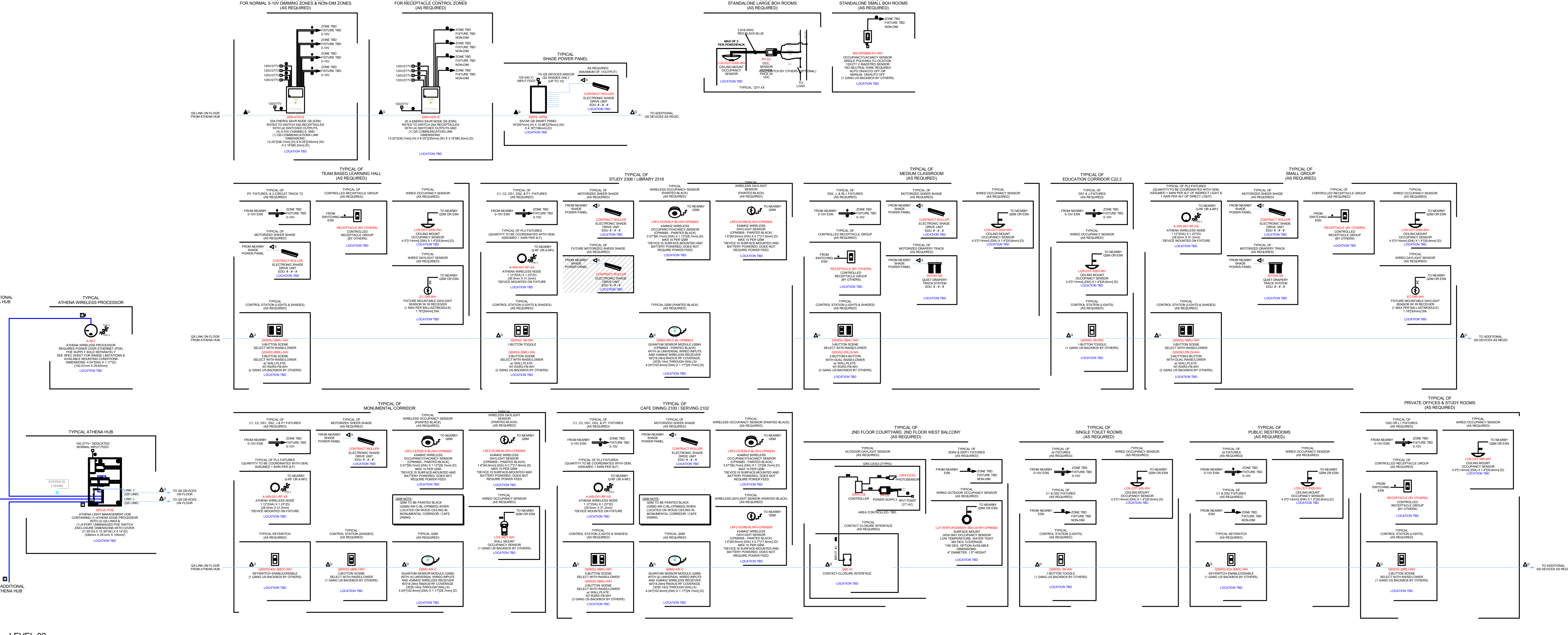
WIRING NOTES

ATHENA SYSTEM ETHERNET LINK
LOCATED TO THE RIGHT OF THE WIRING SCHEDULE. THE WIRING SCHEDULE IS TO BE OBSERVED FOR PROPER INSTALLATION. THE WIRING SCHEDULE IS TO BE OBSERVED FOR PROPER INSTALLATION. THE WIRING SCHEDULE IS TO BE OBSERVED FOR PROPER INSTALLATION.

CLEAR CONNECT - TYPE X GENERAL NOTES
ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING NOTES:
1. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING NOTES.
2. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING NOTES.
3. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING NOTES.



LEVEL 03



LEVEL 02

ONE-LINE DIAGRAM GENERAL NOTES:

1. THE INFORMATION SHOWN IN THE SHORT-CIRCUIT AND VOLTAGE DROP CALCULATIONS SCHEDULE IS SHOWN FOR CALCULATION PURPOSES ONLY. CONTRACTOR SHALL NOT USE THE CONDUIT TYPES, CONDUCTOR TYPES, SIZES, QUANTITIES OR LENGTHS FOR TAKEOFFS OR BIDDING PURPOSES. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THIS SCHEDULE AND OTHER PORTIONS OF THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF AS-BUILT CONDITIONS THAT CONSTITUTE A CHANGE FROM WHAT IS SHOWN BELOW. THIS INCLUDES CONDUCTOR LENGTHS DIFFERING BY MORE THAN 10%.
2. REFER TO THE SHORT-CIRCUIT AND VOLTAGE DROP CALCULATIONS TABLE ON E600. AVAILABLE FAULT CURRENT INFORMATION IS LISTED UNDER THE 'FAULT CURRENT' COLUMN. VOLTAGE DROP VALUES ARE LISTED UNDER THE 'CUMULATIVE VOLTAGE DROP' COLUMN. THE AVAILABLE 3-PHASE SYMMETRICAL FAULT CURRENT, ALL SERIES RATED EQUIPMENT SHALL BE PROPERLY LISTED AND LABELED PER CODE.
3. FEEDER NUMBER DESIGNATIONS PRECEDED BY 'V' INDICATE THAT THE CONDUCTORS ARE UP-SIZED DUE TO VOLT-DROP CONSIDERATIONS. PROVIDE LUG ADAPTERS AS NEEDED IN ORDER TO PROPERLY LAND CONDUCTORS AT TERMINATION(S).
4. CIRCUIT TYPES ARE BASED ON COPPER (CU) THINWALL-2 INSULATION UNLESS NOTED OTHERWISE. CONDUIT SIZES SHOWN ARE APPROPRIATE FOR SCHEDULE 40 PVC, EMT, OHS, IMC AND RMC. ADJUST SIZE AS NEEDED FOR OTHER RACEWAY TYPES. NUMBER DESIGNATIONS PRECEDED BY 'A' INDICATE THAT THE SIZE IS BASED ON ALUMINUM (AL). WIRE ALUMINUM WIRE IS NOT ALLOWED ON THIS PROJECT UNLESS SPECIFICALLY NOTED OTHERWISE. ALL CONDUCTOR SIZES ARE BASED ON THE CONDUIT TYPE AND LENGTHS FOR TAKEOFFS OR BIDDING PURPOSES. ANY OTHER CONDITIONS MODIFY SIZES PER CODE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. INSTALL FEEDERS OVERHEAD AS HIGH AS PRACTICABLE AND ORTHOGONALLY ALONG BUILDING STRUCTURE, UNLESS NOTED OTHERWISE. COORDINATE FINAL ROUTING WITH OTHER TRADES.
6. CIRCUIT BREAKERS RATED 1200A OR HIGHER SHALL HAVE APPROPRIATE CLEARANCE AND METHOD TO REDUCE CLEARING TIME IN ORDER TO REDUCE ARC FLASH ENERGY PER CODE. PROVIDE ELECTRONIC TRIP UNIT WITH INSTANTANEOUS TRIP AND ENERGY REDUCING MAINTENANCE SWITCH WITH LOCAL STATUS INDICATOR FOR COMPLIANCE. PROVIDE PROVISIONS TO INTERFACE WITH OWNER ALARM/MONITORING SYSTEM TO INDICATE MAINTENANCE SWITCH STATUS.
7. GROUNDING ELECTRODE SYSTEM SHALL BE PER LOCAL REQUIREMENTS AND SHALL NOT BE LESS STRINGENT THAN THAT SPECIFIED IN THE CONSTRUCTION DOCUMENTS.
8. PROVIDE PROPERLY SIZED LUGS FOR ALL EQUIPMENT. CIRCUIT BREAKERS, AND OTHER ELECTRICAL DEVICES TO ACCOMMODATE INSTALLED CONDUCTORS. A LARGER FRAME, OVERSIZED LUGS OR NON-STANDARD PRODUCT MAY BE REQUIRED IN SOME INSTANCES. UTILIZE LUG ADAPTERS ONLY IF NECESSARY AND ONLY AS ALLOWED BY MANUFACTURER AND AUI.
9. PROVIDE ANY AVAILABLE SPACE IN SWITCHBOARDS/PANELBOARDS WITH BUSING.
10. PROVIDE (4) EMPTY 1" CONDUITS WITH FULL STRINGS FROM EACH RECESSED PANELBOARD UP TO ACCESSIBLE CEILING SPACE. CAP AND LABEL CONDUITS FOR FUTURE USE.
11. PROVIDE TYPED FINAL CIRCUIT DIRECTORY FOR ALL PANELBOARDS TO REFLECT ACTUAL AS-BUILT CONDITIONS. COORDINATE FINAL ROOM AND FEEDER NUMBERS WITH OWNER PRIOR TO ORDERING. UPON COMPLETION, CIRCUIT IDENTIFICATION LABEL SHALL BE PER CODE AND SHALL BE DISTINGUISHABLE FROM ALL OTHERS.
12. PROVIDE A PERMANENT LABEL ON FRONT OF EQUIPMENT ENCLOSURE. REFER TO SPECIFICATIONS FOR LABELING LABEL SHALL BE PER CODE AND SHALL BE DISTINGUISHABLE FROM ALL OTHERS.

- SERVICE EQUIPMENT LABEL:**
- EXAMPLE:
480Y/277V, 60HZ
800A
SCCR = 85,000A
MAX AVAILABLE FAULT CURRENT = 58,815A
CALCULATED: 01/01/2018
- PANELBOARDS/SWITCHBOARD LABEL:**
LINE 1: PANELBOARD(S) SUPPLIED BY UPSTREAM
LINE 2: PANELBOARD(S)/SWITCHBOARD(S)
LINE 3: LOCATED IN _____
LINE 4: PANELBOARD(S) SUPPLIES DOWNSTREAM
LINE 5: PANELBOARD(S) _____
- TRANSFORMERS LABEL:**
LINE 1: TRANSFORMER _____ SUPPLIED BY UPSTREAM
LINE 2: PANELBOARD(S)/SWITCHBOARD(S)
LINE 3: LOCATED IN _____
LINE 4: TRANSFORMER _____ SUPPLIES DOWNSTREAM
LINE 5: PANELBOARD(S) _____

ELECTRICAL UTILITY CONTACT NOTE:

UTILITY COMPANY: BENTONVILLE ELECTRIC UTILITY DEPARTMENT
UTILITY CONTACT: CHARLIE BARNES
PHONE: 479-371-5946
EMAIL: CBARNES@BENTONVILLEAR.COM

FAULT CURRENT GENERAL NOTE (ESTIMATED VALUE):

THE MAXIMUM AVAILABLE 3-PHASE SYMMETRICAL FAULT CURRENT VALUE AT THE UTILITY TRANSFORMER SECONDARY POINT OF SERVICE COULD NOT BE DETERMINED AT THE TIME OF THIS SUBMITTAL. THE ESTIMATED WORST CASE VALUE OF 32,000A IS BASED ON AN INFINITE BUS CALCULATION AT THE UTILITY TRANSFORMER. CONTRACTOR SHALL VERIFY ACTUAL AVAILABLE FAULT CURRENT VALUE WITH UTILITY. NOTIFY ENGINEER IF ACTUAL VALUE EXCEEDS ESTIMATED CALCULATED VALUE. ESTIMATED DESIGN VALUE IS BASED ON THE FOLLOWING:

UTILITY TRANSFORMER SECONDARY VOLTAGE: 480Y/277V, 3Ø, 4W
UTILITY TRANSFORMER SIZE: 1500KVA, 2+3/1-1%

OVERCURRENT PROTECTIVE DEVICE COORDINATION STUDY GENERAL NOTE:

1. CONTRACTOR SHALL PROVIDE AN OVERCURRENT PROTECTIVE DEVICE COORDINATION STUDY TO DETERMINE THE CORRECT SETTINGS FOR THE ADJUSTABLE TRIP CIRCUIT BREAKERS. TO ENSURE SELECTIVE COORDINATION AND TO DOCUMENT ARC FLASH HAZARDS. CODE REQUIRED EMERGENCY AND LEGALLY REQUIRED STANDBY SYSTEMS SHALL BE SELECTIVELY COORDINATED WITH ALL SUPPLY SIDE OVERCURRENT PROTECTIVE DEVICES (APPLIES TO BOTH THE NORMAL AND EMERGENCY POWER SOURCES). PROVIDE ALL NECESSARY AS-BUILT INFORMATION REQUIRED FOR COMPLETION OF THE STUDY TO THE ENGINEER DURING THE STUDY. PROVIDE SUBMITTALS INDICATED WITHIN THE SPECIFICATIONS TO OWNER AND ARCHITECT/ENGINEER TO CONFIRM STUDY HAS BEEN COMPLETED. CONTRACTOR SHALL INCLUDE THE COST FOR THIS WORK IN THEIR BID. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. SELECTIVE COORDINATION IS REQUIRED FOR ELEVATOR FEEDERS.

Electrical
ONE-LINE - SERVICE A

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Electrical
ONE-LINE - SERVICE A

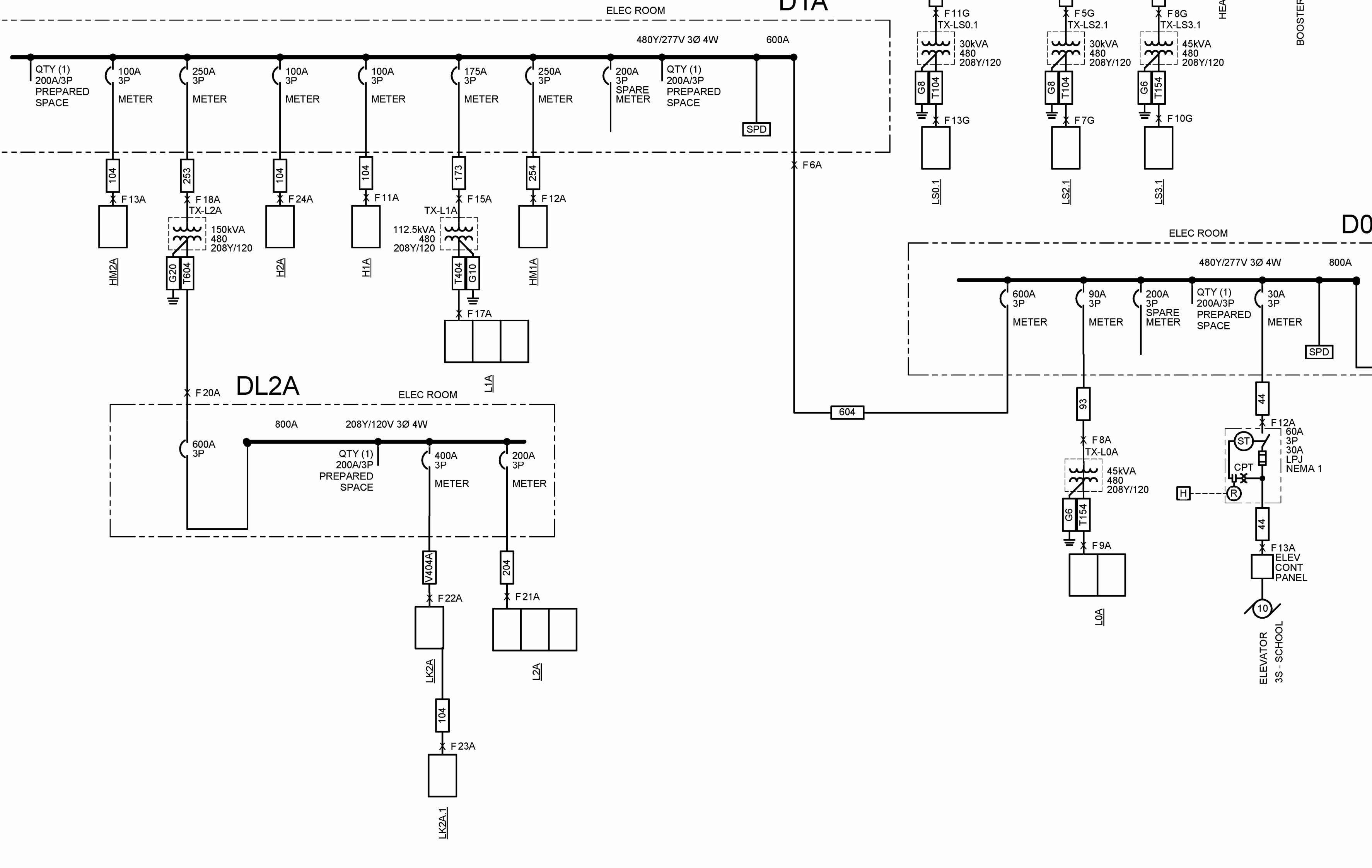
FEEDER TAG	FEEDER DESCRIPTION	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND
22	(2) #12, (1) #12 G, 1/2" C			
23	(1) #12, (1) #12 G, 1/2" C			
33	(3) #10, (1) #10 G, 1/2" C			
43	(3) #8, (1) #10 G, 3/4" C			
44	(4) #8, (1) #10 G, 3/4" C			
63	(3) #8, (1) #10 G, 3/4" C			
83	(3) #8, (1) #8 G, 1" C			
84	(4) #8, (1) #8 G, 1" C			
93	(3) #8, (1) #8 G, 1" C			
103	(3) #8, (1) #8 G, 1" C			
104	(4) #8, (1) #8 G, 1" C			
123	(3) #10, (1) #10 G, 1" C			
124	(4) #10, (1) #10 G, 1" C			
125	(4) #10, (1) #10 G, 1" C			
154	(4) #10, (1) #8 G, 1" C			
173	(3) #10, (1) #8 G, 1" C			
204	(4) #10, (1) #8 G, 1" C			
224	(4) #10, (1) #8 G, 1" C			
253	(3) #10, (1) #8 G, 1" C			
254	(4) #10, (1) #8 G, 1" C			
404	(2) 2" C, EACH W/ (4) #10, (1) #8 G			
504	(2) 2" C, EACH W/ (4) #10, (1) #8 G			
604	(2) 3" C, EACH W/ (4) #10, (1) #8 G			
804	(3) 3" C, EACH W/ (4) #10, (1) #8 G			
1003	(3) 3" C, EACH W/ (4) #10, (1) #8 G			
6004	3PH, 4W FEEDER FULL C-BUSWAY			
BFPI	BY FIRE PUMP INSTALLER			
G2	#2 COPPER GROUND, 3/4" C			
G4	#4 COPPER GROUND, 3/4" C			
G6	#6 COPPER GROUND, 3/4" C			
G8	#8 COPPER GROUND, 3/4" C			
G10	#10 COPPER GROUND, 3/4" C			
G20	#20 COPPER GROUND, 3/4" C			
G30	#30 COPPER GROUND, 1" C			
MBJ	500 KCMIL COPPER GROUND			
MBJF	#6 COPPER GROUND			
S104	(4) #8, (1) #8 G, 1" C			
S3004	(3) 3" C, EACH W/ (4) #10, (1) #8 G			
S5004	(12) 3-1/2" C, EACH W/ (4) #10, (1) #8 G			
T54	(4) #8, (1) #8 SSBJ, 1" C			
T104	(4) #8, (1) #8 SSBJ, 1" C			
T154	(4) #8, (1) #8 SSBJ, 1" C			
T204	(4) #8, (1) #8 SSBJ, 1" C			
T404	(2) 2" C, EACH W/ (4) #10, (1) #8 SSBJ			
T604	(2) 3" C, EACH W/ (4) #10, (1) #8 SSBJ			
TMBG	REFER TO TECHNOLOGY GROUNDING RISER DIAGRAM FOR SIZES			
V044C	(4) #8, (1) #8 G, 1" C			
V084A	(4) #8, (1) #8 G, 1" C			
V084C	(4) #8, (1) #8 G, 1" C			
V093C	(3) #10, (1) #8 G, 1" C			
V104A	(4) #8, (1) #8 G, 1" C			
V104B	(4) #8, (1) #8 G, 1" C			
V123A	(3) #10, (1) #8 G, 1" C			
V404A	(2) 2-1/2" C, EACH W/ (4) #10, (1) #8 G			
V804A	(3) 3" C, EACH W/ (4) #10, (1) #8 G			
V804A	(3) 3" C, EACH W/ (4) #10, (1) #8 G			
V1204	(4) 1-1/2" C, EACH W/ (4) #10, (1) #8 G			

BUILDING LOAD SUMMARY (MSB-A)			
BUILDING OCCUPANCY: SCHOOL/UNIVERSITY		SERVICE VOLTAGE: 480Y/277 V	
BUILDING SQUARE FOOTAGE: 106226			
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND
EXISTING LOAD (E)	0 VA	100%	0 VA
COOLING (C)	416675 VA	100%	416675 VA
HEATING (H)	3200 VA	0%	0 VA
MOTORS (M)	312490 VA	52%	161245 VA
SUPPLEMENTAL HEAT (U)	45000 VA	100%	45000 VA
MISC EQUIP (Z)	106102 VA	100%	106102 VA
REFRIGERATION (F)	1432 VA	100%	1432 VA
SIGNAGE (S)	0 VA	125%	0 VA
KITCHEN (K)	90759 VA	65%	58993 VA
LARGEST MOTOR (10HP)	11601 VA	125%	14501 VA
SHOW WINDOW (W)	0 VA	125%	0 VA
TRACK LIGHTING	0 VA	100%	0 VA
ELEVATOR (V)	20000 VA	90%	18000 VA
TOTAL LOAD	1540835 VA		1435194 VA
TOTAL AMPACITY	1853 AMPS		1726 AMPS
SERVICE AMPACITY			3000 AMPS
SPARE CAPACITY			1274 AMPS

LOAD SUMMARY: DS.1			
PANEL VOLTAGE: 480Y/277 V			
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND
EXISTING LOAD (E)	0 VA	100%	0 VA
COOLING (C)	0 VA	0%	0 VA
HEATING (H)	0 VA	100%	0 VA
LIGHTING (L)	1000 VA	125%	1250 VA
RECEPTACLES (R)	15000 VA	70%	10500 VA
MOTORS (M)	4016 VA	100%	4016 VA
SUPPLEMENTAL HEAT (U)	0 VA	100%	0 VA
MISC EQUIP (Z)	21106 VA	100%	21106 VA
REFRIGERATION (F)	9236 VA	100%	9236 VA
SIGNAGE (S)	0 VA	125%	0 VA
KITCHEN (K)	0 VA	100%	0 VA
LARGEST MOTOR	17526 VA	125%	21910 VA
SHOW WINDOW (W)	0 VA	125%	0 VA
TRACK LIGHTING	0 VA	100%	0 VA
TOTAL LOAD	72188 VA		72170 VA
TOTAL AMPACITY	87 AMPS		87 AMPS
PANEL AMPACITY			400 AMPS
SPARE CAPACITY			313 AMPS

LOAD SUMMARY: D1A			
PANEL VOLTAGE: 480Y/277 V			
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND
EXISTING LOAD (E)	0 VA	100%	0 VA
COOLING (C)	7561 VA	100%	7561 VA
HEATING (H)	750 VA	0%	0 VA
LIGHTING (L)	20543 VA	125%	25679 VA
RECEPTACLES (R)	108280 VA	55%	59140 VA
MOTORS (M)	0 VA	100%	0 VA
SUPPLEMENTAL HEAT (U)	45000 VA	100%	45000 VA
MISC EQUIP (Z)	44725 VA	100%	44725 VA
REFRIGERATION (F)	5076 VA	100%	5076 VA
SIGNAGE (S)	0 VA	125%	0 VA
KITCHEN (K)	78449 VA	65%	50732 VA
LARGEST MOTOR	190 VA	125%	238 VA
SHOW WINDOW (W)	0 VA	125%	0 VA
TRACK LIGHTING	0 VA	100%	0 VA
TOTAL LOAD	310174 VA		228190 VA
TOTAL AMPACITY	373 AMPS		296 AMPS
PANEL AMPACITY			600 AMPS
SPARE CAPACITY			227 AMPS

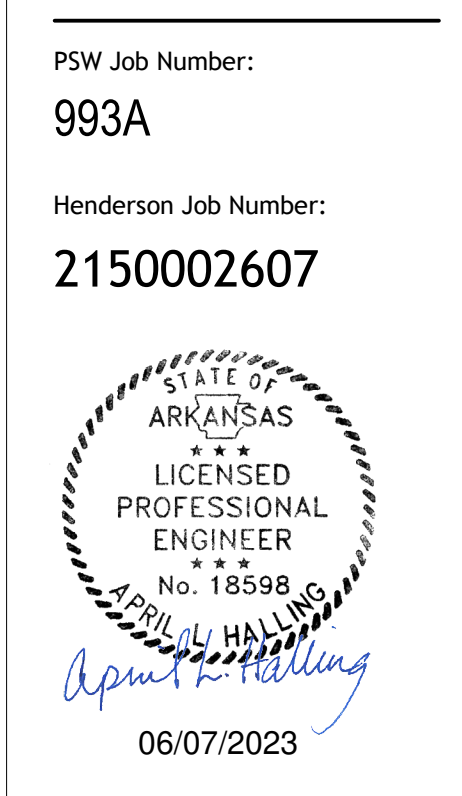
LOAD SUMMARY: DL2A			
PANEL VOLTAGE: 208Y/120 V			
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND
EXISTING LOAD (E)	0 VA	100%	0 VA
COOLING (C)	208 VA	100%	208 VA
HEATING (H)	0 VA	0%	0 VA
LIGHTING (L)	1800 VA	125%	2250 VA
RECEPTACLES (R)	47000 VA	61%	28500 VA
MOTORS (M)	0 VA	100%	0 VA
SUPPLEMENTAL HEAT (U)	0 VA	100%	0 VA
MISC EQUIP (Z)	16256 VA	100%	16256 VA
REFRIGERATION (F)	5076 VA	100%	5076 VA
SIGNAGE (S)	0 VA	125%	0 VA
KITCHEN (K)	78449 VA	65%	50732 VA
LARGEST MOTOR	190 VA	125%	238 VA
SHOW WINDOW (W)	0 VA	125%	0 VA
TRACK LIGHTING	0 VA	100%	0 VA
TOTAL LOAD	148579 VA		100259 VA
TOTAL AMPACITY	412 AMPS		287 AMPS
PANEL AMPACITY			600 AMPS
SPARE CAPACITY			313 AMPS



LOAD SUMMARY: D0A			
PANEL VOLTAGE: 480Y/277 V			
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND
EXISTING LOAD (E)	0 VA	100%	0 VA
COOLING (C)	5184 VA	100%	5184 VA
HEATING (H)	750 VA	0%	0 VA
LIGHTING (L)	20543 VA	125%	25679 VA
RECEPTACLES (R)	108280 VA	55%	59312 VA
MOTORS (M)	190 VA	100%	190 VA
SUPPLEMENTAL HEAT (U)	45000 VA	100%	45000 VA
MISC EQUIP (Z)	45827 VA	100%	45827 VA
REFRIGERATION (F)	0 VA	100%	0 VA
SIGNAGE (S)	0 VA	125%	0 VA
KITCHEN (K)	78305 VA	65%	50886 VA
LARGEST MOTOR	760 VA	125%	950 VA
SHOW WINDOW (W)	0 VA	125%	0 VA
TRACK LIGHTING	0 VA	100%	0 VA
ELEVATOR (V)	8000 VA	100%	8000 VA
TOTAL LOAD	313192 VA		241050 VA
TOTAL AMPACITY	377 AMPS		290 AMPS
PANEL AMPACITY			800 AMPS
SPARE CAPACITY			510 AMPS

LOAD SUMMARY: D4A			
PANEL VOLTAGE: 480Y/277 V			
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND
EXISTING LOAD (E)	0 VA	100%	0 VA
COOLING (C)	4571 VA	100%	4571 VA
HEATING (H)	1000 VA	0%	0 VA
LIGHTING (L)	15119 VA	125%	18899 VA
RECEPTACLES (R)	53780 VA	59%	31890 VA
MOTORS (M)	10118 VA	100%	10118 VA
SUPPLEMENTAL HEAT (U)	0 VA	100%	0 VA
MISC EQUIP (Z)	16983 VA	100%	16983 VA
REFRIGERATION (F)	0 VA	100%	0 VA
SIGNAGE (S)	0 VA	125%	0 VA
KITCHEN (K)	5276 VA	70%	3693 VA
LARGEST MOTOR	6414 VA	125%	8018 VA
SHOW WINDOW (W)	0 VA	125%	0 VA
TRACK LIGHTING	0 VA	100%	0 VA
TOTAL LOAD	170661 VA		166171 VA
TOTAL AMPACITY	206 AMPS		200 AMPS
PANEL AMPACITY			600 AMPS
SPARE CAPACITY			400 AMPS

LOAD SUMMARY: D3A			
PANEL VOLTAGE: 480Y/277 V			
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND
EXISTING LOAD (E)	0 VA	100%	0 VA
COOLING (C)	1870 VA	100%	1870 VA
HEATING (H)	0 VA	0%	0 VA
LIGHTING (L)	25385 VA	125%	31731 VA
RECEPTACLES (R)	112850 VA	54%	61325 VA
MOTORS (M)	0 VA	100%	0 VA
SUPPLEMENTAL HEAT (U)	0 VA	100%	0 VA
MISC EQUIP (



GENERATOR LOAD SCHEDULE

PROJECT INFORMATION															
PROJECT NAME: AWSON															
STREET ADDRESS: J Street															
CITY, ST., ZIP: BENTONVILLE, AR 72712															
HENDERSON PROJECT #: 2150002607															
PREPARED BY: April Haring															
LAST MODIFIED: 1/6/2022															
GENERATOR TYPE: STATIONARY															
GENERATOR USAGE: STANDBY															
GENERATOR FUEL: NATURAL GAS															
FUEL TANK LOCATION: NO TANK															
OUTPUT VOLTAGE: 120/208/277V 3PH															
GENERATOR LOCATION: EXTERIOR GRADE															
MAX AMBIENT AIR TEMP (T _a): 104 F															
ELEVATION ABOVE FTMS: 1166															
ACCESSORIES: QTY (2) OUTPUT BREAKERS, REMOTE ANNUNCIATOR															
# OF GENSETS: BASIS OF DESIGN IS FOR 1 GENSET(S)															
ATS#	LOAD ID	LOAD PRIORITY	CODE CLASSIFIED LOAD TYPE	LOAD DESCRIPTION	PANELBOARDS / LOADS INCLUDED IN STEP (LOADS AND SUBPANELS)	NOMINAL VOLTAGE (V)	NOMINAL FREQUENCY (Hz)	NOMINAL CURRENT (A)	NOMINAL POWER (kW)	NOMINAL POWER (kVA)	FULL LOAD (RUNNING) (kVA)	FULL LOAD (kW)	NOTE TO REF		
														STARTUP (kVA)	STARTUP (kW)
ATS-1	1	2.1	X	TELECOM RACKS, BAS PANELS	PANELBOARD LS2.1	15	10	6.0	4.0	2.0	12	7			
				TELECOM RACKS, BAS PANELS	PANELBOARD LS3.1	15	10	6.0	2.0	8	7				
				SUMP PUMP SP-3 (12 HP)	PANELBOARD LS0.1		0.8		1	3					
				CAFE COOLER/FREEZER	PANELBOARD LS2.1		11.3		11	10					
				BOOSTER PUMP (15HP)	DS.1		16.7		17	2					
				HEAT TRACE	DS.1 & HS0.1		8.5		9	5					
				FUTURE LV 4					10.0	10	4				
				ATS-2	2	1.1	X	ESP-1 (10HP)	PANELBOARD LS1.2	20	10	10.0	1.0	1	3
								SUMP PUMP SP-1 TWO PUMPS 20HP EACH		43		43	2		
								TELECOM RACKS, BAS PANELS	PANELBOARD LS0.2.1	15	10	6.0	2.0	7	7
ELEVATOR SUMP PUMPS	PANELBOARD LS0.3	20	10					1.7	2	3					
TELECOM RACKS, BAS PANELS, REFRIGERATORS	PANELBOARD LS1.2	15	10					6.0	2.0	13	7				
TELECOM RACKS, BAS PANELS	PANELBOARD LS2.2	15	10					6.0	2.0	8	7				
TELECOM RACKS, BAS PANELS	PANELBOARD LS3.2	15	10					6.0	2.0	6	7				
WATER HEATER	PANELBOARD LS0.2	20	10					1.8	2	7					
HEAT TRACE	PANELBOARD HS0.2	20	10					9.0	9	5					
WATER HEATER RECIRC	PANELBOARD LS0.2	20	10					1.7	2	3					
ATS-3	3	1.1	X	SP-2 (12 HP)	PANELBOARD LS0.2	20	10	0.8		1	3				
				TOTAL LOAD MAXIMUM FULL LOAD (kVA): 160											

GENERAL NOTES:

A. THE INFORMATION PROVIDED IN THIS SCHEDULE IS PRELIMINARY AND SUBJECT TO CHANGE. IT IS PROVIDED TO ASSIST IN GENERATOR SIZING AND SELECTION. THIS INFORMATION NEITHER EXTENDS NOR ALTERS ANY CONTRACTUAL OBLIGATIONS OF THE ENGINEER OR CONTRACTOR. FINAL LOADS AND RELATED INFORMATION IN THIS SCHEDULE SHOULD BE VERIFIED BY THE CONTRACTOR AND IS SUBJECT TO THE REVIEW AND APPROVAL OF THE ENGINEER OF RECORD. ANYTHING HAVING JURISDICTION AND OWNER. PRIOR TO IMPLEMENTATION. REFER TO ONE-LINE DIAGRAM FOR TRANSFER SWITCH AND GROUNDING INFORMATION. REFER TO RELATED CONSTRUCTION DOCUMENTS INCLUDING SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

B. UNLESS NOTED OTHERWISE, PER NEC 700.4, 701.4 & 702.4, THE GENERATOR SYSTEM CAPACITY SHALL BE CALCULATED IN ACCORDANCE WITH NEC 220 OR OTHER APPROVED METHOD. NOTE THAT THE ACTUAL PEAK LOAD MAY BE SIGNIFICANTLY LESS THAN THIS CODE MINIMUM VALUE UNDER MOST CONDITIONS. IN ADDITION, THE LOADS SHOWN IN THIS SCHEDULE ARE BASED ON RUNNING FULL LOAD CURRENTS AT NOMINAL VOLTAGES AND DO NOT ACCOUNT FOR TEMPORARY STARTING IN-RUSH CURRENTS.

C. THE FINAL GENERATOR SIZING SHALL BE PERFORMED BY AN APPROVED GENERATOR MANUFACTURER OR REPRESENTATIVE AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDER. GENERATOR SUPPLIER SHALL BE RESPONSIBLE TO INCLUDE WITH GENERATOR PACKAGE ALL NECESSARY COMPONENTS, INCLUDING: ALTERNATOR, BATTERY CHARGER, CONTROL PANEL, EMISSION/EXHAUST SYSTEM, ENCLOSURE, GAUGES AND STARTER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS. GENERATOR SET AND RELATED COMPONENTS SHALL BE SUITABLE FOR LOCAL ELEVATION, ENVIRONMENT AND SEISMIC DESIGN CATEGORY. BE-SAFE GENERATOR AND PROVIDE NECESSARY COMPONENTS AS NEEDED BASED ON AMBIENT TEMPERATURE, ELEVATION AND OTHER RELEVANT FACTORS.

D. IF TRANSIENT RESPONSE REQUIREMENTS CANNOT BE REASONABLY MET WITH AVAILABLE PRODUCT OFFERINGS THEN PROVIDE SUBMITTAL WITH BEST FIT FOR ENGINEER EVALUATION. REFER TO SPECIFICATIONS FOR ALLOWED STEADY-STATE TOLERANCES.

E. MAXIMUM TIME DELAY FOR NEC ARTICLE 700 EMERGENCY LOADS IS 10 SECONDS. MAXIMUM TIME DELAY FOR LEGALLY REQUIRED STANDBY LOADS IS 60 SECONDS, UNLESS NOTED OTHERWISE.

F. MAXIMUM RECOVERY TIME SHALL NOT EXCEED 3 SECONDS, UNLESS NOTED OTHERWISE.

G. LOADS LISTED ABOVE ARE BASED ON A POWER FACTOR NO LESS THAN 0.80, UNLESS NOTED OTHERWISE.

H. PROVIDE WEATHERPROOF SOUND-ATTENUATED ENCLOSURE TO LIMIT MAXIMUM OPERATIONAL SOUND OUTPUT TO 70 dBA @ 23' FROM ENCLOSURE.

I. REFER TO SPECIFICATIONS FOR ADDITIONAL GENERATOR REQUIREMENTS.

NOTES:

1. AS ALLOWED PER NEC 702.4, AN ACTIVE LOAD MANAGEMENT SYSTEM SHALL BE INSTALLED TO AUTOMATICALLY MANAGE THE CONNECTED LOAD. THE STANDBY SOURCE SHALL HAVE CAPACITY SUFFICIENT TO SUPPLY THE MAXIMUM LOAD THAT WILL BE CONNECTED. LOADS ON THIS STEP SHALL ONLY TRANSFER TO STANDBY SOURCE WHEN SUFFICIENT CAPACITY IS AVAILABLE.

2. MOTOR STARTING METHOD IS VFD

3. MOTOR STARTING METHOD ACROSS THE LINE

4. FUTURE LOADS ARE ASSUMED TO BE NON-LINEAR LOADS

5. ELECTRIC RESISTANCE HEAT TRACE

6. REFER TO DIVISION 23 SEQUENCE OF OPERATION FOR MORE INFORMATION ON TIME DELAY AND CONTROL REQUIREMENTS FOR THIS EQUIPMENT

7. THE MAJORITY OF THIS LOAD IS NON-LINEAR

10. INTERMITTENT/PERIODIC DUTY MOTOR LOAD.

Short-Circuit and Voltage Drop Calculations

SERVICE A

Distances are for calculation purposes only and shall not be used for contractor takeoff or bidding. Contractor shall notify Engineer of any field condition that results in a change of 10% or greater circuit distance.

The following calculations are based on the "Point-to-Point" method where:
 $ISC_{(a)} = ISC_{(a)} \times M$ $M = (1 + V)$ Feeder: $f_{(a)} = \frac{I_{sc(a)} \times L \times 100}{C \times E}$ XFMR: $f_{(a)} = \frac{I_{sc(a)} \times V_p \times 1.73 \times \sqrt{3}}{100,000 \times kVA}$ $R_{source} = \frac{V_p \times M \times E_{sc}}{V_a}$
 $ISC_{(b)} =$ short circuit current at fault point 1
 $ISC_{(c)} =$ short circuit current at fault point 2
 $f_{(a)} = \frac{I_{sc(a)} \times L \times 100}{C \times E}$ XFMR: $f_{(a)} = \frac{I_{sc(a)} \times V_p \times 1.73 \times \sqrt{3}}{100,000 \times kVA}$

IP = Primary short circuit current
V_p = Primary voltage
V_s = Secondary short circuit current
V_s = Secondary voltage
L = Length of circuit
E = Line to line volts
C = "C" Factor from Busman table where "C" = 1 / impedance per line foot
Feeder Types: NM - Non Magnetic Conduit, M - Magnetic Conduit, FB - Feeder Busway, PB - Plug-in Busway, TX - Transformer

System Voltage: 480Y/277V - 3 phase

Fault Point (FA)	Bus/Feeder Description	Source (Fault Point)	Phase	Source (kV)	Conduit Type	Material	Feeder	Conductor 'C' Value	Busway 'C' Value	L L Voltage (E)	Circuit Length (L)	Load Power Factor (pf)	Circuit Load (Amperage)	Resistance (R)	Conductor Reactance (X)	Arcs (ft) (ft)	Degree Rise	kVA	New X/R Z	Existing X/R Z	Secondary Voltage	Tap Setting	f	M	Fault Current (amps)	Voltage Drop (V/D)	Cumulative Voltage Drop (V/D)	Fault Point (FA)			
																													Quantity of Parallel Sets and Bus/Phase & Neutral Size	Quantity of Parallel Sets and Bus/Phase & Neutral Size	Quantity of Parallel Sets and Bus/Phase & Neutral Size
Motor Contribution																															
1	Utility Service Panel			3			8 Sets of 500 kcmil	2676		480	130	0.9	2,200	0.00027	0.00039	0.451027										0.081	0.83	34.049	-0.53%	-0.53%	2
2	MSB-A	1	3	38,800	NM	CU	2 Sets of 3/0 AWG	1902		480	175	0.9	850	0.00034	0.00041	0.451027										0.243	0.74	23.344	-0.77%	-1.31%	3
3	DDA	2	3	34,049	NM	CU	2 Sets of 4/0 AWG	24297		480	273	0.9	480	0.00033	0.00040	0.451027										0.239	0.65	22.321	-0.87%	-1.69%	5
4	MSB-1	1	3	38,800	NM	CU	2 Sets of 3/0 AWG	1902		480	175	0.9	850	0.00034	0.00041	0.451027										0.243	0.74	23.344	-0.77%	-1.31%	3
5	TO TX452.1	4	3	15,683	M	CU	1 Set(s) of 4 AWG	3896		480	40	0.9	45	0.00010	0.00009	0.451027										0.905	0.83	8.884	-0.26%	-1.62%	5
6	TX452.1	5	3	9,834	TX	CU	1 Set(s) of 3 AWG	4774		480	5	0.9	68	0.00020	0.00009	0.451027	DOE	150	30	2.44		208			6.650	0.13	2.967	-0.87%	-1.62%	6	
7	LS1	6	3	2,907	M	CU	1 Set(s) of 3 AWG	4774		480	60	0.9	84	0.00020	0.00009	0.451027	DOE	150	30	2.44		208			1.062	0.87	2.892	-0.87%	-1.12%	8	
8	TO TX453.1	8	3	23,423	M	CU	1 Set(s) of 3 AWG	4774		480	60	0.9	84	0.00020	0.00009	0.451027	DOE	150	45	3.51		208			7.365	0.12	3.133	-0.87%	-1.12%	9	
9	TX453.1	9	3	11,358	TX	CU	1 Set(s) of 4 AWG	3896		480	10	0.9	64	0.00010	0.00009	0.451027	DOE	150	30	2.44		208			0.015	0.99	3.088	-0.07%	-1.19%	10	
10	LS1.1	9	3	1,133	M	CU	1 Set(s) of 4 AWG	3896		480	10	0.9	45	0.00010	0.00009	0.451027	DOE	150	30	2.44		208			0.149	0.87	13.603	-0.65%	-1.47%	11	
11	TO TX450.1	4	3	15,683	M	CU	1 Set(s) of 4 AWG	3896		480	10	0.9	45	0.00010	0.00009	0.451027	DOE	150	30	2.44		208			9.232	0.10	3.079	-0.87%	-1.47%	12	
12	TX450.1	11	3	11,653	TX	CU	1 Set(s) of 3 AWG	4774		480	5	0.9	84	0.00020	0.00009	0.451027	DOE	150	30	2.44		208			0.027	0.97	2.959	-0.99%	-1.56%	13	
13	LS0.1	12	3	2,907	M	CU	1 Set(s) of 3 AWG	4774		480	5	0.9	84	0.00020	0.00009	0.451027	DOE	150	30	2.44		208			0.771	0.09	2.175	-1.09%	-1.73%	15	
14	BOOSTER PUMP BP-1	3	3	23,423	M	CU	1 Set(s) of 3 AWG	4774		480	180	0.85	24	0.00780	0.00065	0.558111										0.503	0.87	25.842	-0.51%	-0.51%	20
15	ATRE	1	3	38,803	NM	CU	2 Sets of 3/0 AWG	1902		480	100	0.9	320	0.00077	0.00042	0.451027										0.036	0.96	24.937	-0.65%	-0.66%	21
16	DS.2	20	3	25,842	M	CU	2 Sets of 3/0 AWG	12844		480	10	0.9	320	0.00079	0.00052	0.451027										1.436	0.96	24.937	-0.65%	-0.66%	21
17	HS0.2	21	3	24,937	M	CU	1 Set(s) of 2 AWG	16483		480	263	0.9	200	0.00054	0.00052	0.451027										0.036	0.41	10.298	-1.35%	-1.91%	22
18	HS1.2	21	3	24,937	M	CU	1 Set(s) of 2 AWG	16483		480	263	0.9	200	0.00054	0.00052	0.451027										0.069	0.94	9.769	-1.46%	-2.02%	23
19	TO TX451.2	23	3	9,799	M	CU	1 Set(s) of 4 AWG	3896		480	10	0.9	64	0.00010	0.00009	0.451027										0.093	0.91	8.996	-0.97%	-2.09%	24
20	TX451.2	24	3	8,966	TX	CU	1 Set(s) of 3 AWG	4774		480	5	0.9	84	0.00020	0.00009	0.451027	DOE	150	30	2.44		208			0.062	0.14	2.960	-0.87%	-2.09%	25	
21	LS1.2	25	3	2,900	M	CU	1 Set(s) of 3 AWG	4774		480	5	0.9	84	0.00020	0.00009	0.451027	DOE	150	30	2.44		208			0.026	0.98	2.857	-0.99%	-2.17%	26	
22</																															

PANELBOARD: H1A (NEW)

BUS AMPS: 100A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 480Y/277 V 3P/4W
SUPPLIED BY: DIA

FAULT CURRENT: 24,122
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: 1ST FLOOR
MOUNTING: SURFACE
LOCATION: ELEC 1202

METER CATEGORY: INTERIOR LIGHTING

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR P, PHASE, AMP SIZE, DESCRIPTION, CKT NO.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: H1A1 (NEW)

BUS AMPS: 400A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 480Y/277 V 3P/4W
SUPPLIED BY: HM1A1

FAULT CURRENT: 10,399
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: 1ST FLOOR
MOUNTING: SURFACE
LOCATION: ELEC 1313

METER CATEGORY: EXTERIOR LIGHTING

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR P, PHASE, AMP SIZE, DESCRIPTION, CKT NO.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: H2A (NEW)

BUS AMPS: 100A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 480Y/277 V 3P/4W
SUPPLIED BY: DIA

FAULT CURRENT: 24,122
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: 2ND FLOOR
MOUNTING: SURFACE
LOCATION: ELEC 2206

METER CATEGORY: INTERIOR LIGHTING

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR P, PHASE, AMP SIZE, DESCRIPTION, CKT NO.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: H3A (NEW)

BUS AMPS: 125A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 480Y/277 V 3P/4W
SUPPLIED BY: DIA

FAULT CURRENT: 22,977
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: 3RD FLOOR
MOUNTING: SURFACE
LOCATION: ELEC 3218

METER CATEGORY: INTERIOR LIGHTING

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR P, PHASE, AMP SIZE, DESCRIPTION, CKT NO.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: H4A (NEW)

BUS AMPS: 125A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 480Y/277 V 3P/4W
SUPPLIED BY: DIA

FAULT CURRENT: 22,403
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: 4TH FLOOR LIGHTING
MOUNTING: SURFACE
LOCATION: ELEC 4102

METER CATEGORY: INTERIOR LIGHTING

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR P, PHASE, AMP SIZE, DESCRIPTION, CKT NO.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: H50.1 (NEW)

BUS AMPS: 250A
MAIN SIZE/TYPE: 250A MCB
VOLTS/PHASE: 480Y/277 V 3P/4W
SUPPLIED BY: DS.1

FAULT CURRENT: 23,423
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: LEVEL 5 STANDBY
MOUNTING: SURFACE
LOCATION: MECH/ELEC 0114

METER CATEGORY: HVAC SYSTEMS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR P, PHASE, AMP SIZE, DESCRIPTION, CKT NO.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: HM1A (NEW)

BUS AMPS: 250A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 480Y/277 V 3P/4W
SUPPLIED BY: DIA

FAULT CURRENT: 24,122
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: 1ST FLOOR
MOUNTING: SURFACE
LOCATION: ELEC 1202

METER CATEGORY: HVAC SYSTEMS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR P, PHASE, AMP SIZE, DESCRIPTION, CKT NO.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: HM2A (NEW)

BUS AMPS: 125A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 480Y/277 V 3P/4W
SUPPLIED BY: DIA

FAULT CURRENT: 24,122
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: 2ND FLOOR
MOUNTING: SURFACE
LOCATION: ELEC 2206

METER CATEGORY: HVAC SYSTEMS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR P, PHASE, AMP SIZE, DESCRIPTION, CKT NO.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: HM3A (NEW)

BUS AMPS: 125A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 480Y/277 V 3P/4W
SUPPLIED BY: DIA

FAULT CURRENT: 22,977
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: 3RD FLOOR
MOUNTING: SURFACE
LOCATION: ELEC 3218

METER CATEGORY: HVAC SYSTEMS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR P, PHASE, AMP SIZE, DESCRIPTION, CKT NO.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: HM4A (NEW)

BUS AMPS: 250A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 480Y/277 V 3P/4W
SUPPLIED BY: DIA

FAULT CURRENT: 22,403
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: 4TH FLOOR MECHANICAL
MOUNTING: SURFACE
LOCATION: ELEC 4102

METER CATEGORY: HVAC SYSTEMS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR P, PHASE, AMP SIZE, DESCRIPTION, CKT NO.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: HM1A1 (NEW)

BUS AMPS: 250A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 480Y/277 V 3P/4W
SUPPLIED BY: MSB-A

FAULT CURRENT: 36,093
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: 1ST FLOOR MECHANICAL
MOUNTING: SURFACE
LOCATION: ELEC 1313

METER CATEGORY: HVAC SYSTEMS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR P, PHASE, AMP SIZE, DESCRIPTION, CKT NO.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: H3A (NEW)

BUS AMPS: 125A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 480Y/277 V 3P/4W
SUPPLIED BY: DIA

FAULT CURRENT: 22,977
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: 3RD FLOOR
MOUNTING: SURFACE
LOCATION: ELEC 3218

METER CATEGORY: INTERIOR LIGHTING

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR P, PHASE, AMP SIZE, DESCRIPTION, CKT NO.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD LEGEND

Table with columns: ABBREVIATIONS, DESCRIPTION

Table with columns: H1A, H4A, HM3A, H1A1, HS0.1, HM4A, H2A, HM1A, HM1A1, H3A, HM2A

Vertical sidebar containing logos for POLK STANLEY WILCOX, McDaniel Consulting Engineers, Inc., SUSTAINABILITY SOM, FOOD SERVICE, PSW Job Number: 993A, AWSOM, and REVISIONS.

PANELBOARD: L0A (NEW)										EQUIPMENT GROUND BUS									
BUS AMPS: 250A MAIN SIZE/TYPE: 250A MCB VOLTS/PHASE: 208Y/120 V 3PH/4W SUPPLIED BY: D3A VIA TX43A										FAULT CURRENT: 6.314 AIC RATED: FULLY RATED AC RATING: FCA +10% MINIMUM SERVICES: 1ST FLOOR MOUNTING: SURFACE LOCATION: MCHN ELEC 0114									
METER CATEGORY: RECEPTACLES										METER CATEGORY: RECEPTACLES									
CKT NO.	DESCRIPTION	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND	PANELBOARD NOTES	LINE-SIDE LUGS: MECHANICAL	PHASE A	PHASE B	PHASE C	P BKR WIRE AMP	NOTES	LOAD	DESCRIPTION	CKT NO.				
1	EQUIPPED SPACE		0 VA	100%	0 VA			0	480		1	0		DOOR OPERATOR WEST SCHOOL	1				
3	EQUIPPED SPACE		0 VA	100%	0 VA			180			1	0			2				
5	EQUIPPED SPACE		0 VA	100%	0 VA			0	180	0	0	0			3				
7	EQUIPPED SPACE		0 VA	100%	0 VA			0	0	0	0	0			4				
11	EQUIPPED SPACE		0 VA	100%	0 VA			0	0	0	0	0			5				
15	EQUIPPED SPACE		0 VA	100%	0 VA			0	0	0	0	0			6				
19	EQUIPPED SPACE		0 VA	100%	0 VA			0	1200		1	0			7				
21	EQUIPPED SPACE		0 VA	100%	0 VA			0	180		1	0			8				
23	EQUIPPED SPACE		0 VA	100%	0 VA			0	1200		1	0			9				
25	EQUIPPED SPACE		0 VA	100%	0 VA			540	0	540		0			10				
29	EQUIPPED SPACE		0 VA	100%	0 VA			0	360	0	360		0		11				
31	EQUIPPED SPACE		0 VA	100%	0 VA			0	30		1	0			12				
35	EQUIPPED SPACE		0 VA	100%	0 VA			0	1200		1	0			13				
39	EQUIPPED SPACE		0 VA	100%	0 VA			0	0	0	0	0			14				
41	EQUIPPED SPACE		0 VA	100%	0 VA			0	0	0	0	0			15				
TOTAL LOAD (VA): 1770 VA										TOTAL LOAD (VA): 1770 VA									
TOTAL AMPS: 15A										TOTAL AMPS: 15A									

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND	PANELBOARD NOTES
EXISTING LOAD (E)	0 VA	100%	0 VA	
COOLING (C)	0 VA	100%	0 VA	
HEATING (H)	0 VA	100%	0 VA	
RECEPTACLES (R)	0 VA	125%	0 VA	
MOTORS (M)	0 VA	100%	0 VA	
SUPPLEMENTAL HEAT (U)	0 VA	100%	0 VA	
MISC EQUIP (Z)	4680 VA	100%	4680 VA	
REFRIGERATION (F)	0 VA	100%	0 VA	
SIGNAGE (S)	0 VA	125%	0 VA	
KITCHEN (K)	0 VA	100%	0 VA	
LARGEST MOTOR	0 VA	125%	0 VA	
SHOW WINDOW (W)	0 VA	125%	0 VA	
TRACK LIGHTING	0 VA	100%	0 VA	

PANELBOARD: L1A (NEW)										EQUIPMENT GROUND BUS									
BUS AMPS: 400A MAIN SIZE/TYPE: 400A MCB VOLTS/PHASE: 208Y/120 V 3PH/4W SUPPLIED BY: D1A VIA TX41A										FAULT CURRENT: 6.224 AIC RATED: FULLY RATED AC RATING: FCA +10% MINIMUM SERVICES: 1ST FLOOR MOUNTING: SURFACE LOCATION: ELEC 1202									
METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS										METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS									
CKT NO.	DESCRIPTION	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND	PANELBOARD NOTES	LINE-SIDE LUGS: MECHANICAL	PHASE A	PHASE B	PHASE C	P BKR WIRE AMP	NOTES	LOAD	DESCRIPTION	CKT NO.				
1	RCPT-PUBLIC GALLERY SEATING CNTR	R	900 VA	100%	900 VA			180			1	0		RCPT-PUBLIC GALLERY N FUTURE LEFT	1				
3	RCPT-PUBLIC GALLERY SEATING LEFT	R	120 VA	100%	120 VA				540	180	1	0		RCPT-PUBLIC GALLERY N FUTURE CNTR	2				
5	RCPT-PUBLIC GALLERY SEATING STRS DN	R	120 VA	100%	120 VA			360	180	720	180	0		RCPT-PUBLIC GALLERY S FUTURE LEFT	3				
7	RCPT-PUBLIC GALLERY SEATING RIGHT	R	120 VA	100%	120 VA			180	180		1	0		RCPT-PUBLIC GALLERY S FUTURE RIGHT	4				
11	RCPT-MONUMENTAL CORRIDOR	R	120 VA	100%	120 VA			540	180	360	1000	0		RCPT-PUBLIC GALLERY S FUTURE RIGHT	5				
15	RCPT-WELCOME DESK SON PJCTR	R	500 VA	100%	500 VA			1440	540	180	180	0		RCPT-PUBLIC GALLERY S FUTURE RIGHT	6				
19	RCPT-WARNING C13.2#1	R	1500 VA	100%	1500 VA			720			1	0		PUBLIC GALLERY WEST PROJECTOR	7				
21	RCPT-WARNING C13.2#2	R	1500 VA	100%	1500 VA			720			1	0		PUBLIC GALLERY EAST PROJECTOR	8				
23	RCPT-WARNING C13.2#3	R	1500 VA	100%	1500 VA			720			1	0		PUBLIC GALLERY WEST PROJECTOR	9				
25	RCPT-WARNING C13.2#4	R	1500 VA	100%	1500 VA			720			1	0		PUBLIC GALLERY EAST PROJECTOR	10				
29	RCPT-DEBRIF CLINIC 1210 EAST TVS	R	540 VA	100%	540 VA			900			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	11				
31	RCPT-DEBRIF CLINIC 1210 EAST TVS	R	540 VA	100%	540 VA			900			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	12				
35	RCPT-DEBRIF CLINIC 1210 CENTER	R	540 VA	100%	540 VA			900			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	13				
39	RCPT-DEBRIF CLINIC 1220 CENTER	R	540 VA	100%	540 VA			900			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	14				
41	RCPT-DEBRIF CLINIC 1220 VR CHARGE	R	540 VA	100%	540 VA			900			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	15				
43	RCPT-CONTROL 1224	R	900 VA	100%	900 VA			360			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	16				
45	RCPT-TECH WORK 1232 CHARGING	R	900 VA	100%	900 VA			360			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	17				
47	RCPT-TECH WORK LEFT COMPUTER	R	540 VA	100%	540 VA			900			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	18				
49	RCPT-TECH WORK RIGHT COMPUTER	R	540 VA	100%	540 VA			900			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	19				
51	RCPT-SM 1238	R	720 VA	100%	720 VA			720	720	720	720	0		RCPT-DEBRIF CLINIC 1210 FLOOR	20				
55	RCPT-SM 1322	R	900 VA	100%	900 VA			900			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	21				
57	RCPT-CONTROL 1281	R	720 VA	100%	720 VA			900			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	22				
59	RCPT-SM 1 COR2 REELS	R	360 VA	100%	360 VA			720			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	23				
61	RCPT-SM 3 COR2 REELS	R	360 VA	100%	360 VA			720			1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	24				
63	RCPT-MONUMENTAL CORRIDOR 1120	R	540 VA	100%	540 VA			720	720	540	720	0		RCPT-DEBRIF CLINIC 1210 FLOOR	25				
65	RCPT-SIM AV 1206 NW WALLS	R	720 VA	100%	720 VA			720	900		1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	26				
71	RCPT-SIM AV 1206 NW WALLS	R	180 VA	100%	180 VA			1000	1080	1000	720	0		RCPT-DEBRIF CLINIC 1210 FLOOR	27				
73	LV C-ELEC CONTROL	R	180 VA	100%	180 VA			1000	1080	1000	720	0		RCPT-DEBRIF CLINIC 1210 FLOOR	28				
75	PUBLIC GALLERY ROLLER SHADES	Z	1000 VA	100%	1000 VA			1000	1080	1000	720	0		RCPT-DEBRIF CLINIC 1210 FLOOR	29				
77	LV C-ELEC CONTROL	R	180 VA	100%	180 VA			1000	1080	1000	720	0		RCPT-DEBRIF CLINIC 1210 FLOOR	30				
79	DEBRIF CLINIC SKILLS ROLLER SHADES	Z	1000 VA	100%	1000 VA			480	720		1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	31				
81	RCPT-WARNING CABINET LEFT	R	480 VA	100%	480 VA			480	540		1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	32				
83	RCPT-WARNING CABINET MIDDLE	R	480 VA	100%	480 VA			480	540		1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	33				
85	RCPT-WARNING CABINET RIGHT	R	480 VA	100%	480 VA			480	540		1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	34				
87	METERING PANEL	R	30 VA	100%	30 VA			360	1000		1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	35				
89	RCPT-AV RACK LEFT	R	360 VA	100%	360 VA			360	1000		1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	36				
91	RCPT-AV RACK RIGHT	R	360 VA	100%	360 VA			360	1000		1	0		RCPT-DEBRIF CLINIC 1210 FLOOR	37				
93	LEVEL 1 FIRE-SMOKE DAMPERS	Z	200 VA	100%	200 VA			360	360	500	1272	0		RCPT-DEBRIF CLINIC 1210 FLOOR	38				
95	PSFIRE ALARM POWER SUPPLY	Z	500 VA	100%	500 VA			360	360	500	1272	0		RCPT-DEBRIF CLINIC 1210 FLOOR	39				
97	PROJECTOR LEFT WEST	Z	2000 VA	100%	2000 VA			1200	1272	1000	1272	0		RAISING WALL - SIM 2/SIM 3	40				
99	PROJECTOR LEFT EAST	Z	2000 VA	100%	2000 VA			1200	1272	1000	1272	0		RAISING WALL - DEBRIF 12/20/1218	41				
103	DOOR OPERATOR SCHOOL WEST	Z	480 VA	100%	480 VA			1272			3	0		RAISING WALL - DEBRIF 12/18/1212	42				
107	SPARE		0 VA	100%	0 VA			0	1272		1	0		RAISING WALL - DEBRIF 12/12/1210	43				
109	SPARE		0 VA	100%	0 VA			0	1272		1	0		RCPT-CONTROL ROOM RACK 1	44				
111	SPARE		0 VA	100%	0 VA			0	1272		1	0		RCPT-CONTROL ROOM RACK 2	45				
113	SPARE		0 VA	100%	0 VA			0	1272		1	0		RCPT-CONTROL ROOM RACK 3	46				
115	SPARE		0 VA	100%	0 VA			0	1272		1	0		RCPT-CONTROL ROOM RACK 4	47				
117	SPARE		0 VA	100%	0 VA			0	500	0	500	0		RCPT-CONTROL ROOM RACK 5	48				
119	SPARE		0 VA	100%	0 VA			0	500	0	500	0		SPARE - USED FOR PRT37 551 SINKS	49				
121	SPARE		0 VA	100%	0 VA			0	500	0	500	0			50				
123	SPARE		0 VA	100%	0 VA			0	500	0	500	0			51				
125	SPARE		0 VA	100%	0 VA			0	0	0	0	0			52				
TOTAL LOAD (VA): 31048 VA										TOTAL LOAD (VA): 31048 VA									
TOTAL AMPS: 260A										TOTAL AMPS: 260A									

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND	PANELBOARD NOTES
EXISTING LOAD (E)	0 VA	100%	0 VA	
COOLING (C)	0 VA	100%	0 VA	
HEATING (H)	0 VA	100%	0 VA	
RECEPTACLES (R)	61260 VA	56%	35640 VA	
MOTORS (M)	0 VA	100%	0 VA	
SUPPLEMENTAL HEAT (U)	0 VA	100%	0 VA	
MISC EQUIP (Z)	26444 VA	100%	26444 VA	
REFRIGERATION (F)	0 VA	100%	0 VA	
SIGNAGE (S)	0 VA	125%	0 VA	
KITCHEN (K)	0 VA	100%	0 VA	
LARGEST MOTOR	0 VA	125%	0 VA	
SHOW WINDOW (W)	0 VA	125%	0 VA	
TRACK LIGHTING	0 VA	100%	0 VA	

PANELBOARD: HAT1A										EQUIPMENT GROUND BUS									
BUS AMPS: 250A MAIN SIZE/TYPE: 140 VOLTS/PHASE: 480Y/277 V 3PH/4W SUPPLIED BY: D4A										FAULT CURRENT: Square D AIC RATING: FULLY RATED AC RATING: FCA +10% MINIMUM SERVICES: 1ST FLOOR MOUNTING: SURFACE LOCATION: SHELL 4200									
METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS										METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS									
CKT NO.	DESCRIPTION	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND	PANELBOARD NOTES	LINE-SIDE LUGS: MECHANICAL	PHASE A	PHASE B	PHASE C	P BKR WIRE AMP	NOTES	LOAD	DESCRIPTION	CKT NO.				
1	SPARE		0 VA	100%	0 VA			0			1	0		EQUIPPED SPACE	1				
3	SPARE		0 VA	100%	0 VA	</													

PANELBOARD: LS0.1 (NEW)												FAULT CURRENT: 3,079			EQUIPMENT GROUND BUS														
BUS AMPS: 100A												AIC RATED: FULLY RATED			METER CATEGORY: HVAC SYSTEMS														
MAIN SIZE/TYPE: 100A MCB												AIC RATING: FCA +10% MINIMUM			SERVICES: STANDBY LOADS SOUTH														
VOLTS/PHASE: 208Y/120 V 3P/4W												MOUNTING: SURFACE			LOCATION: MECH ELEC 0114														
SUPPLIED BY: HSD.1 VA TX4LS0.1												MOUNTING: SURFACE			LOCATION: MECH ELEC 0114														
LINE-SIDE LUGS: MECHANICAL																													
CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR P	PHASE	PHASE	PHASE	P BKR WIRE	NOTES	LOAD TYPE	DESCRIPTION	CKT NO.																
1	RCPT-SBI 1 1200 CRASH CART	R	VD	10	20	1	1000	1176	1	20	12	M	ELEVATOR SUMP PUMP ESP3	2															
2	ELEVATOR SUMP PUMP ESP3	M		12	20	1			1	15	12	M	SUMP PUMP SPS	4															
5	SPARE			20	1				1	20	1			6															
20	SPARE			20	1	0	180		1	20	12	R	RCPT-MECH 0112 CAMERA SENSOR UNIT	6															
9	RCPT-MAIN ELEC CAMERA SENSOR UNIT	R	UD	12	20	1			1	20	12	R	SPARE	10															
11	FIRE HOSE CABINET	U	LCK	12	20	1			1	20	12	R	SPARE	12															
13	SPARE			20	1	0	0		1	20	12	R	SPARE	14															
15	SPARE			20	1	0	0		1	20	12	R	SPARE	16															
17	SPARE			20	1	0	0		1	20	12	R	SPARE	18															
19	SPARE			20	1	0	0		1	20	12	R	SPARE	20															
21	SPARE			20	1	0	0		1	20	12	R	SPARE	22															
23	SPARE			20	1	0	0		1	20	12	R	SPARE	24															
25	SPARE			20	1	0	0		1	20	12	R	SPARE	26															
27	SPARE			20	1	0	0		1	20	12	R	SPARE	28															
29	SPARE			20	1	0	0		1	20	12	R	SPARE	30															
TOTAL LOAD (VA):						2356 VA		2188 VA		1032 VA																			
TOTAL AMPS:						21 A		20 A		9 A																			
LOAD TYPE												CONNECTED LOAD			DEMAND FACTOR			NEC DEMAND			PANELBOARD NOTES			PANELBOARD TOTALS					
EXISTING LOAD (E)												0 VA			100%			0 VA						TOTAL CONNECTED LOAD			5576 VA		
COOLING (C)												0 VA			0%			0 VA						TOTAL NEC LOAD			5592 VA		
HEATING (H)												0 VA			100%			0 VA						TOTAL CONNECTED CURRENT			15 A		
LIGHTING (L)												0 VA			125%			0 VA						TOTAL NEC DEMAND CURRENT			17 A		
RECEPTACLES (R)												1860 VA			100%			1360 VA											
MOTORS (M)												2352 VA			100%			2352 VA											
SUPPLEMENTAL HEAT (U)												200 VA			100%			200 VA											
MISC EQUIP (Z)												0 VA			100%			0 VA											
REFRIGERATION (F)												0 VA			100%			0 VA											
SIGNAGE (S)												0 VA			125%			0 VA											
KITCHEN (K)												0 VA			100%			0 VA											
LARGEST MOTOR												1668 VA			125%			2090 VA											
SHOW WINDOW (W)												0 VA			125%			0 VA											
TRACK LIGHTING												0 VA			100%			0 VA											

PANELBOARD: LS2.1 (NEW)												FAULT CURRENT: 2,367			EQUIPMENT GROUND BUS														
BUS AMPS: 100A												AIC RATED: FULLY RATED			METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS														
MAIN SIZE/TYPE: 100A MCB												AIC RATING: FCA +10% MINIMUM			SERVICES: 2ND FLOOR														
VOLTS/PHASE: 208Y/120 V 3P/4W												MOUNTING: SURFACE			LOCATION: ELEC 2208														
SUPPLIED BY: HSD.1 VA TX4LS2.1												MOUNTING: SURFACE			LOCATION: ELEC 2208														
LINE-SIDE LUGS: MECHANICAL																													
CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR P	PHASE	PHASE	PHASE	P BKR WIRE	NOTES	LOAD TYPE	DESCRIPTION	CKT NO.																
1	RCPT-DATA 1204 QUAD #1	R		12	20	1	360	1350	2	30	10	R	RCPT-DATA 1204 TWISTLOCK #1	2															
3	RCPT-DATA 1204 CAMERA SENSOR UNIT	R		12	20	1			1	20	12	Z	BAS PANEL LEFT DATA 2219	6															
5	BAS PANEL LEFT DATA 1204	Z		12	20	1			1	20	12	R	RCPT-DATA 2219 QUAD #2	6															
7	RCPT-DATA 2219 TWISTLOCK #1	R		10	30	2	1500	360	1500	1664	1	20	VD	F WALK-IN FREEZER EVAPORATOR	10														
9	SPARE			20	1				1	20	12	R	RCPT-DATA 2219 QUAD #3	12															
11	RCPT-DATA 2219 QUAD #3	R		12	20	1	180	360	360	1664	1	20	12	R	RCPT-DATA 2219 QUAD #3	14													
13	RCPT-GALLERY 570 CAMERA SENSOR UNIT	R		12	20	1			1	20	12	R	RCPT-DATA 2219 QUAD #1	16															
15	BBRT-DATA 1204 QUAD #4	R		12	20	1			1	20	12	R	RCPT-DATA 2219 QUAD #1	18															
17	RCPT-DATA 2219 QUAD #4	R		12	20	1			1	20	12	Z	BAS PANEL RIGHT DATA 2219	18															
19	BAS PANEL RIGHT DATA 1204	Z		12	20	1	1000	1080			1	20	12	Z	BAS PANEL RIGHT DATA 2219	20													
21	WALK-IN COOLER EVAPORATOR	F		12	20	1			3	20	12	F	WALK-IN FREEZER CONDENSER	22															
23	WALK-IN COOLER/REFREEZER LIGHTS	L	VD	10	20	1			6	30	10	F	WALK-IN FREEZER EVAPORATOR	24															
25	WALK-COOLER CONDENSER	F		12	20	3	693	180			1	20	12	R	RCPT-DATA 2219 CAMERA SENSOR 1	26													
27	WALK-IN FREEZER HEAT TRACE	Z	GFEP	12	20	1	500	360	0	0	1	20	12	R	RCPT-DATA 2219 CAMERA SENSOR 2	28													
31	SPARE			20	1				1	20	12	R	SPARE	30															
33	SPARE			20	1	0	0		1	20	12	R	SPARE	32															
35	SPARE			20	1	0	0		1	20	12	R	SPARE	34															
37	SPARE			20	1	0	0		1	20	12	R	SPARE	36															
39	SPARE			20	1	0	0		1	20	12	R	SPARE	38															
41	SPARE			20	1	0	0		1	20	12	R	SPARE	40															
TOTAL LOAD (VA):						7923 VA		7865 VA		8157 VA																			
TOTAL AMPS:						66 A		66 A		68 A																			
LOAD TYPE												CONNECTED LOAD			DEMAND FACTOR			NEC DEMAND			PANELBOARD NOTES			PANELBOARD TOTALS					
EXISTING LOAD (E)												0 VA			100%			0 VA						TOTAL CONNECTED LOAD			2408 VA		
COOLING (C)												0 VA			0%			0 VA						TOTAL NEC LOAD			2428 VA		
HEATING (H)												0 VA			100%			0 VA						TOTAL CONNECTED CURRENT			67 A		
LIGHTING (L)												0 VA			125%			0 VA						TOTAL NEC DEMAND CURRENT			67 A		
RECEPTACLES (R)												9300 VA			100%			5900 VA											
MOTORS (M)												0 VA			100%			0 VA											
SUPPLEMENTAL HEAT (U)												0 VA			100%			0 VA											
MISC EQUIP (Z)												4500 VA			100%			4500 VA											
REFRIGERATION (F)												9208 VA			100%			9208 VA											
SIGNAGE (S)												0 VA			125%			0 VA											
KITCHEN (K)												0 VA			100%			0 VA											
LARGEST MOTOR												0 VA			125%			0 VA											
SHOW WINDOW (W)												0 VA			125%			0 VA											
TRACK LIGHTING												0 VA			100%			0 VA											

PANELBOARD: LS3.1 (NEW)												FAULT CURRENT: 3,133			EQUIPMENT GROUND BUS														
BUS AMPS: 100A												AIC RATED: FULLY RATED			METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS														
MAIN SIZE/TYPE: 100A MCB												AIC RATING: FCA +10% MINIMUM			SERVICES: 3RD FLOOR														
VOLTS/PHASE: 208Y/120 V 3P/4W												MOUNTING: SURFACE			LOCATION: ELEC 3100														
SUPPLIED BY: HSD.1 VA TX4LS3.1												MOUNTING: SURFACE			LOCATION: ELEC 3100														
LINE-SIDE LUGS: MECHANICAL																													
CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR P	PHASE	PHASE	PHASE	P BKR WIRE	NOTES	LOAD TYPE	DESCRIPTION	CKT NO.																
1	RCPT-DATA 3102 QUAD #1	R		12	20	1	360	1000	1	20	12	Z	BAS PANEL LEFT	4															
3	RCPT-DATA 3102 QUAD #2	R		12	20	1			2	30	10	Z	RCPT-DATA 4104 TWISTLOCK #1	4															
5	BAS PANEL RIGHT DATA 3102	Z		12	20	1			1	20	12	R	RCPT-DATA 4104 TWISTLOCK #1	6															
7	BAS PANEL LEFT DATA 3102	Z		12	20	1	1000	1000			1	20	12	Z	BAS PANEL RIGHT	6													
9	RCPT-DATA 4104 QUAD #3	R		12	20	1			1	20	12	R	RCPT-DATA 3102 QUAD #4	10															
11	RCPT-DATA 4104 QUAD #4	R		12	20	1			1	20	12	R	RCPT-DATA 4104 QUAD #1	12															
13	RCPT-DATA 4104 QUAD #2	R		12	20	1	360	360	360	360	1	20	12	R	RCPT-DATA 3102 QUAD #3	14													
15	FFS-FIRE ALARM POWER SUPPLY	Z	FA	12	20	1			500	180	1	20	12	R	RCPT-DATA 4104 CAMERA SENSOR UNIT	16													
17	RCPT-DATA 3102 CAMERA SENSOR UNIT	R		12	20	1			1	20	12	Z	RCPT-DATA 3102 TWISTLOCK #1	20															
19	SPARE			20	1	0	1500				1	20	12	R	SPARE	22													
21	SPARE			20	1	0	0		0	0	1	20	12	R	SPARE	24													
23	SPARE			20	1	0	0		0	0	1	20	12	R	SPARE	26													
25	SPARE			20	1	0	0		0	0	1	20	12	R	SPARE	28													
27	SPARE			20	1	0	0		0	0	1	20	12	R	SPARE	30													
29	SPARE			20	1	0	0		0	0	1	20	12	R	SPARE	32													
TOTAL LOAD (VA):						5580 VA		3260 VA		4900 VA																			
TOTAL AMPS:						49 A		27 A		43 A																			
LOAD TYPE												CONNECTED LOAD			DEMAND FACTOR			NEC DEMAND			PANELBOARD NOTES			PANELBOARD TOTALS					
EXISTING LOAD (E)												0 VA			100%			0 VA						TOTAL CONNECTED LOAD			13740 VA		
COOLING (C)												0 VA			0%			0 VA						TOTAL NEC LOAD			13740 VA		
HEATING (H)												0 VA			100%			0 VA						TOTAL CONNECTED CURRENT			38 A		
LIGHTING (L)												0 VA			125%			0 VA						TOTAL NEC DEMAND CURRENT			38 A		
RECEPTACLES (R)												3240 VA			100%			3240 VA											
MOTORS (M)												0 VA			100%			0 VA											
SUPPLEMENTAL HEAT (U)												10560 VA			100%			10560 VA											
MISC EQUIP (Z)												0 VA			100%			0 VA											
REFRIGERATION (F)												0 VA			100%			0 VA											
SIGNAGE (S)												0 VA			125%			0 VA											
KITCHEN (K)												0 VA			100%			0 VA											
LARGEST MOTOR												0 VA			125%			0 VA											
SHOW WINDOW (W)												0 VA			125%			0 VA											
TRACK LIGHTING												0 VA			100%			0 VA											

PANELBOARD: LK2A (NEW)												FAULT CURRENT: 9,718			EQUIPMENT GROUND BUS		
BUS AMPS: 400A												AIC RATED: FULLY RATED			METER CATEGORY: KITCHEN/CAFE		
MAIN SIZE/TYPE: 400A MCB												AIC RATING: FCA +10% MINIMUM			SERVICES: LVL 2 CAFE		
VOLTS/PH																	

PANELBOARD: H0B (NEW)										EQUIPMENT GROUND BUS									
BUS AMPS: 250A MAIN SIZE/TYPE: MLO VOLT/PHASE: 480V/277 V 3P/4W SUPPLIED BY: D08										FAULT CURRENT: 21,965 AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: PARKING GARAGE MOUNTING: SURFACE LOCATION: MECHANICAL 0124									
METER CATEGORY: HVAC SYSTEMS										METER CATEGORY: HVAC SYSTEMS									
LINE-SIDE LUGS: MECHANICAL																			
CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR P	PHASE	PHASE	PHASE	P BKR	WIRE	NOTES	LOAD TYPE	DESCRIPTION	CKT NO.					
1	PUMP PHMP-1	M		10	25	3718	1127	3718	1127	15	12	M	FAN COIL FCU-12	2					
2													FAN COIL FCU-15.5	3					
3													FAN COIL FCU-36	4					
4													FAN COIL FCU-13	5					
5	PUMP PHMP-2	M		10	25	3718	1127	3718	1127	15	12	M	JET FAN JF-1	6					
6													JET FAN JF-3	7					
7													FCU-4	8					
8													FCU-22	9					
9													FCU-23	10					
10													SPARE	11					
11													SPARE	12					
12													SPARE	13					
13	PUMP PHMP-1	M		12	15	2018	1468	2018	0	2018	0	1	TRENCH HEATERS TH-16, TH-17, TH-18	14					
14													SPARE	15					
15													SPARE	16					
16													SPARE	17					
17													SPARE	18					
18													SPARE	19					
19	PUMP PHMP-2	M		12	15	2018	0	2018	0	2018	0	1	SPARE	20					
20													SPARE	21					
21													SPARE	22					
22													SPARE	23					
23													SPARE	24					
24													SPARE	25					
25													SPARE	26					
26													SPARE	27					
27													SPARE	28					
28													SPARE	29					
29													SPARE	30					
30													SPARE	31					
31													SPARE	32					
32													SPARE	33					
33													SPARE	34					
34													SPARE	35					
35													SPARE	36					
36													SPARE	37					
37													SPARE	38					
38													SPARE	39					
39													SPARE	40					
40													SPARE	41					
41													SPARE	42					
TOTAL LOAD (VA): 24058 VA										TOTAL LOAD (VA): 22325 VA									
TOTAL AMPS: 87 A										TOTAL AMPS: 80 A									
TOTAL AMPS: 92 A																			

LOAD TYPE										PANELBOARD TOTALS									
EXISTING LOAD (E)	0 VA	100%	0 VA	PANELBOARD NOTES						PANELBOARD TOTALS									
COOLING (C)	0 VA	0%	0 VA	TOTAL CONNECTED LOAD 6896 VA						TOTAL CONNECTED LOAD 6896 VA									
HEATING (H)	8878 VA	100%	8878 VA	TOTAL NEC LOAD 7528 VA						TOTAL NEC LOAD 7528 VA									
LIGHTING (L)	302 VA	125%	404 VA	TOTAL CONNECTED CURRENT 83 A						TOTAL CONNECTED CURRENT 83 A									
RECEPTACLES (R)	0 VA	0%	0 VA	TOTAL NEC DEMAND CURRENT 91 A						TOTAL NEC DEMAND CURRENT 91 A									
MOTORS (M)	3182 VA	100%	3182 VA																
SUPPLEMENTAL HEAT (U)	0 VA	100%	0 VA																
MISC EQUIP (Z)	3047 VA	100%	3047 VA																
REFRIGERATION (F)	0 VA	100%	0 VA																
SIGNAGE (S)	0 VA	125%	0 VA																
KITCHEN (K)	0 VA	100%	0 VA																
LARGEST MOTOR (SHP)	22447 VA	125%	28059 VA																
SHOW WINDOW (W)	0 VA	125%	0 VA																
TRACK LIGHTING	0 VA	100%	0 VA																

PANELBOARD: H1B (NEW)										EQUIPMENT GROUND BUS									
BUS AMPS: 100A MAIN SIZE/TYPE: MLO VOLT/PHASE: 480V/277 V 3P/4W SUPPLIED BY: D1B										FAULT CURRENT: 33,542 AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: 1ST FLOOR MOUNTING: SURFACE LOCATION: ELEC 1624									
METER CATEGORY: INTERIOR LIGHTING										METER CATEGORY: INTERIOR LIGHTING									
LINE-SIDE LUGS: MECHANICAL																			
CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR P	PHASE	PHASE	PHASE	P BKR	WIRE	NOTES	LOAD TYPE	DESCRIPTION	CKT NO.					
1	LTG-COUNSEL OFFICES	L		12	20	11900	2219	2674	1939	11	20	L	LTG-NORTH OFFICES-CORRIDOR	2					
2	LTG-CLINIC CENTER	L		12	20	11900	2219	2674	1939	11	20	L	LTG-CLINIC EXAM ROOMS	3					
3	LTG-CLINIC WAITING	L		12	20	11900	2219	2674	1939	11	20	L	LTG-TRACK CLINIC WAITING	4					
4	LTG-STAIR 1	L		12	20	11900	2219	2674	1939	11	20	L	LTG-CLINIC WAIT LTG CONTROL	5					
5	SPARE					965	360	0	540	11	20	L	CLINIC WORK S-LTG CONTROL	6					
6	SPARE					0	969	0	969	11	20	L	CLINIC EXAM SOUTH-LTG CONTROL	7					
7	SPARE					0	969	0	969	11	20	L	CLINIC EXAM NORTH-LTG CONTROL	8					
8	SPARE					0	969	0	969	11	20	L	CLINIC CORR SOUTH-LTG CONTROL	9					
9	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	10					
10	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	11					
11	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	12					
12	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	13					
13	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	14					
14	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	15					
15	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	16					
16	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	17					
17	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	18					
18	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	19					
19	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	20					
20	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	21					
21	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	22					
22	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	23					
23	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	24					
24	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	25					
25	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	26					
26	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	27					
27	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	28					
28	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	29					
29	SPARE					0	969	0	969	11	20	L	CLINIC WAIT LTG CONTROL	30					
TOTAL LOAD (VA): 6829 VA										TOTAL LOAD (VA): 6153 VA									
TOTAL AMPS: 26 A										TOTAL AMPS: 24 A									
TOTAL AMPS: 13 A																			

PANELBOARD: H2B (NEW)										EQUIPMENT GROUND BUS									
BUS AMPS: 100A MAIN SIZE/TYPE: MLO VOLT/PHASE: 480V/277 V 3P/4W SUPPLIED BY: D2B										FAULT CURRENT: 26,639 AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: 2ND FLOOR MOUNTING: SURFACE LOCATION: ELEC 2500									
METER CATEGORY: INTERIOR LIGHTING										METER CATEGORY: INTERIOR LIGHTING									
LINE-SIDE LUGS: MECHANICAL																			
CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR P	PHASE	PHASE	PHASE	P BKR	WIRE	NOTES	LOAD TYPE	DESCRIPTION	CKT NO.					
1	LTG-ELEVATOR NORTH	L		12	20	320	1	2243	0	0	0	L	LTG-TEAM BASED LEARNING NORTH	2					
2	LTG-TEAM BASED LEARNING SOUTH	L		12	20	320	1	2243	2293	1290	1332	2498	L	LTG-MECH	3				
3	LTG-RESTROOM/CLASSROOM NORTH	L		12	20	320	1	2243	2293	1290	1332	2498	L	LTG-NORTH CORRIDOR	4				
4	SPARE					0	554	0	554	0	554	L	TEAM LEARN-S-LTG CONTROLS	5					
5	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	6					
6	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	7					
7	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	8					
8	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	9					
9	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	10					
10	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	11					
11	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	12					
12	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	13					
13	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	14					
14	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	15					
15	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	16					
16	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	17					
17	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	18					
18	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	19					
19	SPARE					0	554	0	554	0	554	L	TEAM LEARN-LTG CONTROLS	20					
20	SPARE					0	554	0											

PANELBOARD: LOB (NEW)

BUS AMPS: 225A
MAIN SIZE/TYPE: 225A MCB
VOLTS/PHASE: 208Y/120 V 3P/4W
SUPPLIED BY: DOB VIA TX-L8

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

TOTAL LOAD (VA): 9287 VA
TOTAL AMPS: 78 A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

PANELBOARD: L1B (NEW)

BUS AMPS: 400A
MAIN SIZE/TYPE: 400A MCB
VOLTS/PHASE: 208Y/120 V 3P/4W
SUPPLIED BY: DIB VIA TX-L8

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

TOTAL LOAD (VA): 32186 VA
TOTAL AMPS: 268 A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

TOTAL LOAD (VA): 31186 VA
TOTAL AMPS: 275 A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

TOTAL LOAD (VA): 268 VA
TOTAL AMPS: 275 A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: L1B1 (NEW)

BUS AMPS: 400A
MAIN SIZE/TYPE: 400A MCB
VOLTS/PHASE: 208Y/120 V 3P/4W
SUPPLIED BY: MSB-8 VIA TX-L81

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

TOTAL LOAD (VA): 26189 VA
TOTAL AMPS: 221 A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

TOTAL LOAD (VA): 26189 VA
TOTAL AMPS: 221 A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: L2B (NEW)

BUS AMPS: 225A
MAIN SIZE/TYPE: 225A MCB
VOLTS/PHASE: 208Y/120 V 3P/4W
SUPPLIED BY: DOB VIA TX-L8

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

TOTAL LOAD (VA): 15280 VA
TOTAL AMPS: 128 A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

TOTAL LOAD (VA): 15280 VA
TOTAL AMPS: 128 A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: L3B1 (NEW)

BUS AMPS: 225A
MAIN SIZE/TYPE: 150A MCB
VOLTS/PHASE: 208Y/120 V 3P/4W
SUPPLIED BY: DOB VIA TX-L81

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

TOTAL LOAD (VA): 4070 VA
TOTAL AMPS: 34 A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

PANELBOARD: L3B2 (NEW)

BUS AMPS: 225A
MAIN SIZE/TYPE: 150A MCB
VOLTS/PHASE: 208Y/120 V 3P/4W
SUPPLIED BY: DOB VIA TX-L82

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

TOTAL LOAD (VA): 79162 VA
TOTAL AMPS: 622 A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

TOTAL LOAD (VA): 11082 VA
TOTAL AMPS: 96 A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR SIZE, AMP, PHASE A, PHASE B, PHASE C, P, BKR WIRE SIZE, NOTES, LOAD TYPE, DESCRIPTION, CKT NO.

TOTAL LOAD (VA): 11082 VA
TOTAL AMPS: 96 A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS



801 South Spring Street
Lincoln, AR 72091
509 W. Spring St. | Suite 150
Fayetteville, AR 72701

McConnell Consulting Engineers, Inc.
1380 E STEPHENS ST
FAVETTEVILLE, AR 72703

MEPP - LOW VOLTAGE
HENDERSON ENGINEERS
1340 LENA DRIVE, STE 300
LENSA, MS 39244

SUSTAINABILITY
224 SOUTH MICHIGAN AVENUE
CHICAGO, IL 60604

AWSON
Bentonville, AR
1505 S.W. 27th St., Suite 802
New York, NY 10001

PSW Job Number:
993A
Henderson Job Number:
2150002607

DATE: 09/04/2024
LICENSED PROFESSIONAL ENGINEER
No. 18538

AWSON
Bentonville, AR

Issue Date:
02.24.2023

Table with columns: NUMBER, DATE, DESCRIPTION

Contents:
PANELBOARD SCHEDULES - SERVICE B

THIS PAGE IS BEST VIEWED IN COLOR

E907

REFER TO SHEET 800 FOR PANELBOARD ABBREVIATION LEGEND

Table with columns: L0B, L1B1, L3B1, L1B, L2B, L3B2

PANELBOARD: LS0.2 (NEW)										EQUIPMENT GROUND BUS					
BUS AMPS: 100A MAIN SIZE/TYPE: 100A MCB VOLTS/PHASE: 208Y/120 V 3P4W SUPPLIED BY: HS0.2 VIA TX4.50.2										FAULT CURRENT: 2,941 AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: MECHANICAL MOUNTING: SURFACE LOCATION: MECHANICAL 0124					
METER CATEGORY: HVAC SYSTEMS															
LINE-SIDE LUGS: MECHANICAL															
CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR P	PHASE	PHASE	PHASE	P	BKR WIRE	NOTES	LOAD	DESCRIPTION	CKT NO.	
1	WATER HEATER WH#1	Z		12	20	1	1440	3540		1	20	1		2	
3	SUM PUMP SP2	M		12	15	2		1127	3360		3	80	OL	4	
7	RECIRC PUMP RP2	M		12	15	1	228	0		1	20		SPARE	6	
9	RECIRC PUMP RP1	M		12	15	1		696	0	1	20		SPARE	7	
11	RCPT-MECH 0124	R		12	20	1			0	1	20		SPARE	12	
13	HVAC CONTROLS #1	Z		12	20	1	500	0		1	20		SPARE	14	
15	HVAC CONTROLS #2	Z		12	20	1		500	0	1	20		SPARE	15	
17	HVAC CONTROLS #3	Z		12	20	1		500	0	1	20		SPARE	16	
19	VEHICLE EMISSION CONTROL PANEL	Z		12	20	1	500	0		1	20		SPARE	17	
21	RCPT-FIRE RISERWASTE ROOM	L,R		12	20	1		565	0	1	20		SPARE	18	
23	RCPT-MECH 0124 CAMERA SENSOR UNIT	R		12	20	1			180	0	1	20		SPARE	24
25	SPARE			20	1		0	0	0	1	20		SPARE	26	
27	SPARE			20	1		0	0	0	1	20		SPARE	28	
29	RCPT-MECH MAINTENANCE	R		12	20	1			720	200	1	20	LOCK	U	30
31	MAIN SERVICE SHUNT TRIP SHUTDOWN	Z	VD	10	20	1	0	0			1	20		SPARE	32
33	EQUIPPED SPACE			20	1		0	0	0	0	1	20		SPARE	36
35	EQUIPPED SPACE			20	1		0	0	0	0	1	20		SPARE	38
37	EQUIPPED SPACE			20	1		0	0	0	0	1	20		SPARE	40
39	EQUIPPED SPACE			20	1		0	0	0	0	1	20		SPARE	42
41	EQUIPPED SPACE			20	1		0	0	0	0	1	20		SPARE	44
TOTAL LOAD (VA):						6208 VA		6288 VA		4707 VA					
TOTAL AMPS:						54 A		54 A		39 A					

PANELBOARD: LS1.2 (NEW)										EQUIPMENT GROUND BUS							
BUS AMPS: 225A MAIN SIZE/TYPE: 100A MCB VOLTS/PHASE: 208Y/120 V 3P4W SUPPLIED BY: HS1.2 VIA TX4.51.2										FAULT CURRENT: 2,930 AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: 1ST FLOOR MOUNTING: SURFACE LOCATION: ELEC DISTRIB. 1506							
METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS																	
LINE-SIDE LUGS: MECHANICAL																	
CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR P	PHASE	PHASE	PHASE	P	BKR WIRE	NOTES	LOAD	DESCRIPTION	CKT NO.			
1	RCPT-CONFERENCE 1646 MISC	R		12	20	1	180	850		1	20	10	GF	R	RCPT-MEDS ROOM 1626 LC FREEZER	2	
3	RCPT-DECONTAM 1690 COUNTER	R		12	20	1		180	0	1	20		SPARE	4			
5	RCPT-POCT 1696 LC FREEZER	Z	GF VD	10	20	1			850	1000	1	20	10	GF	Z	BAS PANEL LEFT DATA 1538	6
7	RCPT-MEDS ROOM 1626 VACCINE FRZR	Z	GF VD	10	20	1	850	850			1	20	10	GF	Z	RCPT-POCT 1696 REFRIGERATOR	8
9	RCPT-SECURITY 1528 MISC	R		12	20	1		180	360		1	20	12	R	RCPT-DATA 1538 QUAD #2	10	
11	RECEPTACLES (R)	R	VD	10	20	1				1000	180	1	20	12	R	RECEPTACLES	12
13	RCPT-POCT 1696 COUNTER	R		12	20	1	180	360		0	180	1	20	12	R	RCPT-DATA 1538 QUAD #1	14
15	SPARE			20	1							1	20	12	R	SUPPLEMENTAL HEAT (U)	16
17	RCPT-DATA 1538 QUAD #3	R		12	20	1				360	180	1	20	12	R	RCPT-DATA 1538 CAMERA SENSUR UNIT 2	18
19	SECURITY DESK #1	R	HT VD	10	20	1	720	180		720	1350	1	20	10	R	RCPT-DATA 1538 CAMERA SENSUR UNIT 3	20
21	SECURITY DESK #2	R	HT VD	10	20	1	720	180		720	1350	1	20	10	R	RCPT-DATA 1538 CAMERA SENSUR UNIT 3	22
23	SECURITY DESK #3	R	HT VD	10	20	1	720	180		720	1350	1	20	10	R	RCPT-DATA 1538 TWISTLOCK #1	24
25	SECURITY DESK #4	R	HT VD	10	20	1	720	180		720	1350	1	20	10	R	RCPT-DATA 1538 TWISTLOCK #1	26
27	SPARE			20	1		0	0	0	0	1	20		SPARE	28		
29	SPARE			20	1		0	0	0	0	1	20		SPARE	30		
TOTAL LOAD (VA):						4900 VA		2970 VA		5640 VA							
TOTAL AMPS:						43 A		25 A		49 A							

PANELBOARD: LS2.2 (NEW)										EQUIPMENT GROUND BUS								
BUS AMPS: 225A MAIN SIZE/TYPE: 100A MCB VOLTS/PHASE: 208Y/120 V 3P4W SUPPLIED BY: DS.2 VIA TX4.52.2										FAULT CURRENT: 2,421 AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: 2ND FLOOR MOUNTING: SURFACE LOCATION: ELEC 2500								
METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS																		
LINE-SIDE LUGS: MECHANICAL																		
CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR P	PHASE	PHASE	PHASE	P	BKR WIRE	NOTES	LOAD	DESCRIPTION	CKT NO.				
1	RCPT-DATA 1622 QUAD #1	R		12	20	1	360	360		1	20	12	R	RCPT-DATA 1622 QUAD #2	2			
3	BAS PANEL RIGHT DATA 2602	R		12	20	1		1000	1000		1	20	12	Z	BAS PANEL LEFT DATA 1622	4		
5	RCPT-DATA 2502 TWISTLOCK #1	Z		10	30	2			1500	360		1	20	12	R	RCPT-DATA 2502 QUAD #4	6	
7	BAS PANEL LEFT DATA 2502	Z		12	20	1	1500	360		1000	1000		1	20	12	Z	BAS PANEL RIGHT DATA 1622	8
11	RCPT-DATA 2502 QUAD #1	R		12	20	1			360	180		1	20	12	R	RCPT-DATA 1622 CAMERA SENSOR UNIT 12	10	
13	RCPT-DATA 1622 QUAD #3	R		12	20	1	360	180		360	360		1	20	12	R	EXPANDED ROOM CAMERA SENSOR UNIT 12	12
15	RCPT-DATA 2502 QUAD #3	R		12	20	1			360	360		1	20	12	R	RCPT-DATA 1622 QUAD #4	16	
17	RCPT-DATA 2502 CAMERA SENSOR UNIT	R		12	20	1			180	180		1	20	12	R	RCPT-MECH 2504 CAMERA SENSOR UNIT 18	18	
19	SPARE			20	1		0	1500		0	1500		1	20	10	R	RCPT-DATA 1622 TWISTLOCK #1	20
21	SPARE			20	1		0	0	0	0	0	1	20		SPARE	24		
23	SPARE			20	1		0	4080		0	4260		3	100	OL	R,Z,M	LS3.2	26
25	SPARE			20	1		0	0	0	0	0	1	20		SPARE	28		
27	SPARE			20	1		0	0	0	0	0	1	20		SPARE	30		
29	SPARE			20	1		0	0	0	0	0	1	20		SPARE	32		
31	SPARE			20	1		0	0	0	0	0	1	20		SPARE	34		
33	SPARE			20	1		0	0	0	0	0	1	20		SPARE	36		
35	SPARE			20	1		0	0	0	0	0	1	20		SPARE	38		
37	SPARE			20	1		0	0	0	0	0	1	20		SPARE	40		
39	SPARE			20	1		0	0	0	0	0	1	20		SPARE	42		
41	SPARE			20	1		0	0	0	0	0	1	20		SPARE	44		
TOTAL LOAD (VA):						8700 VA		10440 VA		9860 VA								
TOTAL AMPS:						75 A		90 A		56 A								

PANELBOARD: LS3.2 (NEW)										EQUIPMENT GROUND BUS							
BUS AMPS: 100A MAIN SIZE/TYPE: 100A MCB VOLTS/PHASE: 208Y/120 V 3P4W SUPPLIED BY: LS2.2										FAULT CURRENT: 2,371 AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: 3RD FLOOR MOUNTING: SURFACE LOCATION: ELEC 3502							
METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS																	
LINE-SIDE LUGS: MECHANICAL																	
CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR P	PHASE	PHASE	PHASE	P	BKR WIRE	NOTES	LOAD	DESCRIPTION	CKT NO.			
1	RCPT-DATA 3316 QUAD #1	R		12	20	1	360	360		1	20	12	R	RCPT-DATA 3316 QUAD #2	2		
3	RCPT-DATA 3316 QUAD #3	R		12	20	1		360	1500		6	VD	Z	RCPT-DATA 3316 TWISTLOCK #1	4		
5	RCPT-DATA 3504 QUAD #1	R		12	20	1			360	1500		1	20	12	Z	BAS PANEL RIGHT	6
7	BAS PANEL LEFT	Z		12	20	1	1000	1000				1	20	12	R	RCPT-DATA 3316 CAMERA SENSOR UNIT 10	8
9	RCPT-DATA 3504 QUAD #3	R		12	20	1			360	180		1	20	12	R	RCPT-DATA 3504 CAMERA SENSOR UNIT 12	10
11	RCPT-DATA 3504 QUAD #4	R		12	20	1			360	180		1	20	12	R	RCPT-DATA 3504 CAMERA SENSOR UNIT 12	12
13	BAS PANEL ELEC 3502	Z,M	VD	10	20	1	1000	360				1	20	12	R	RCPT-DATA 3504 QUAD #2	14
15	FIRE-FIRE ALARM POWER SUPPLY	Z	FA	12	20	1		360	1500		2	30	10	Z	RCPT-DATA 3504 TWISTLOCK #1	16	
17	SPARE			20	1		0	0	0	0	1	20		SPARE	20		
19	SPARE			20	1		0	0	0	0	1	20		SPARE	22		
21	SPARE			20	1		0	0	0	0	1	20		SPARE	24		
23	SPARE			20	1		0	0	0	0	1	20		SPARE	26		
25	SPARE			20	1		0	0	0	0	1	20		SPARE	28		
27	SPARE			20	1		0	0	0	0	1	20		SPARE	30		
29	SPARE			20	1		0	0	0	0	1	20		SPARE	32		
TOTAL LOAD (VA):						4080 VA		4260 VA		3900 VA							
TOTAL AMPS:						34 A		36 A		33 A							

PANELBOARD: LS3.2 (NEW)										EQUIPMENT GROUND BUS					
BUS AMPS: 100A MAIN SIZE/TYPE: 100A MCB VOLTS/PHASE: 208Y/120 V 3P4W SUPPLIED BY: LS2.2										FAULT CURRENT: 2,371 AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: 3RD FLOOR MOUNTING: SURFACE LOCATION: ELEC 3502					
METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS															
LINE-SIDE LUGS: MECHANICAL															
CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR P	PHASE	PHASE	PHASE	P	BKR WIRE	NOTES	LOAD	DESCRIPTION	CKT NO.	
1	RCPT-DATA 3316 QUAD #1	R		12	20	1	360	360		1	20	12	R	RCPT-DATA 3316 QUAD #2	2
3	RCPT-DATA 3316 QUAD #3	R		12	20	1		360	150						