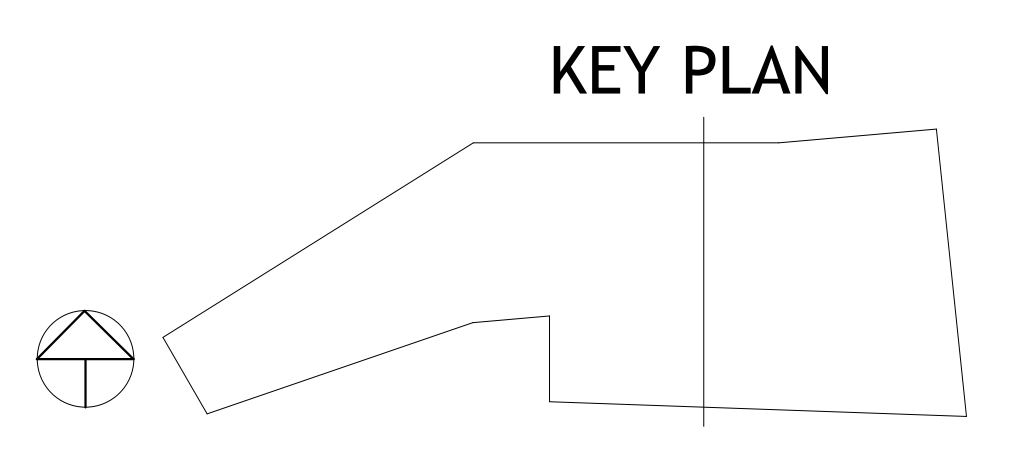
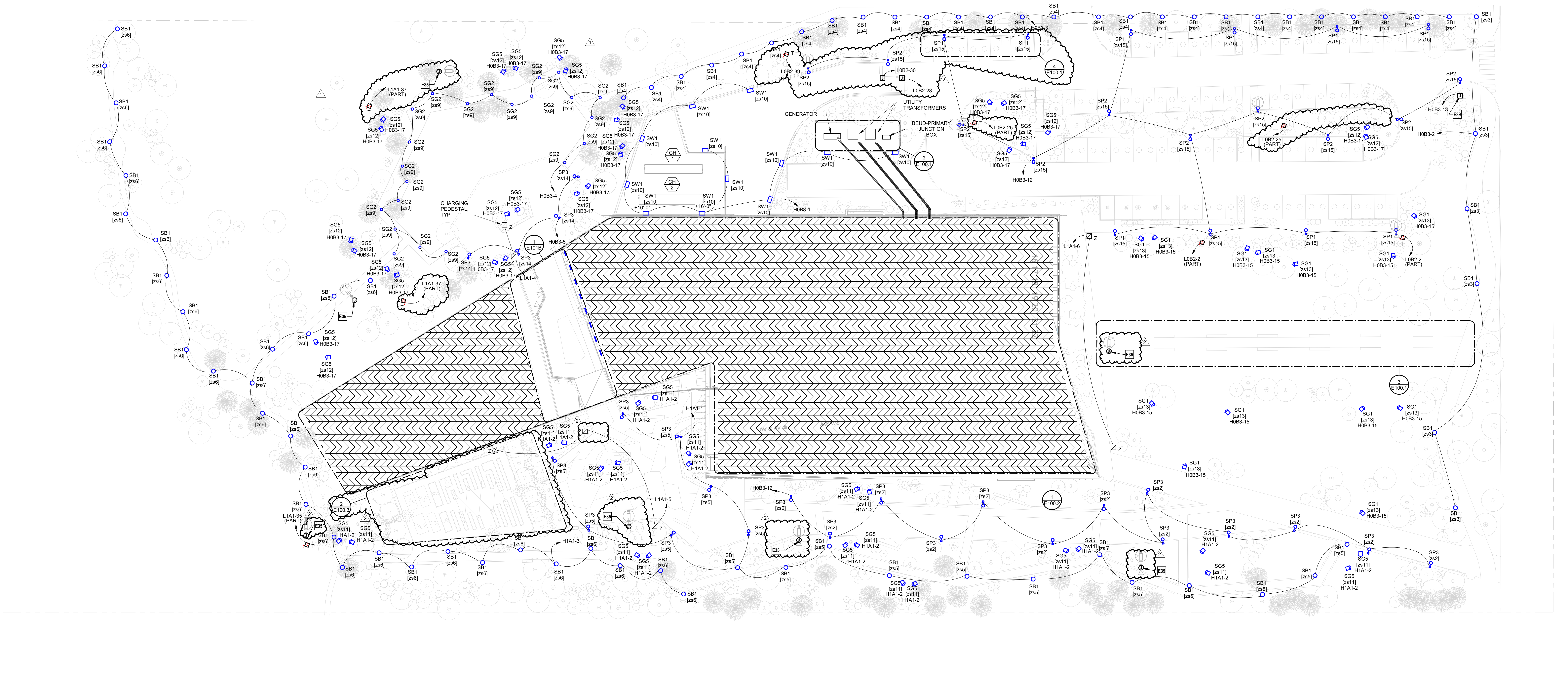
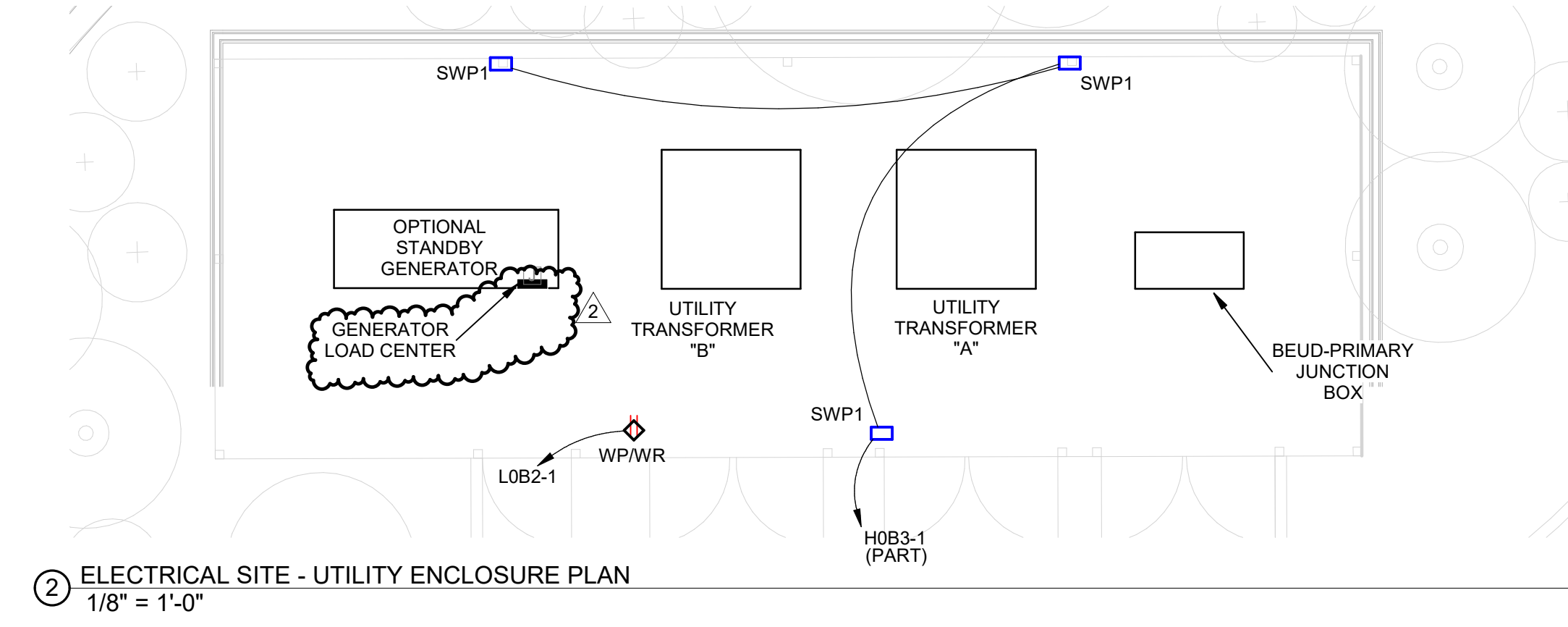
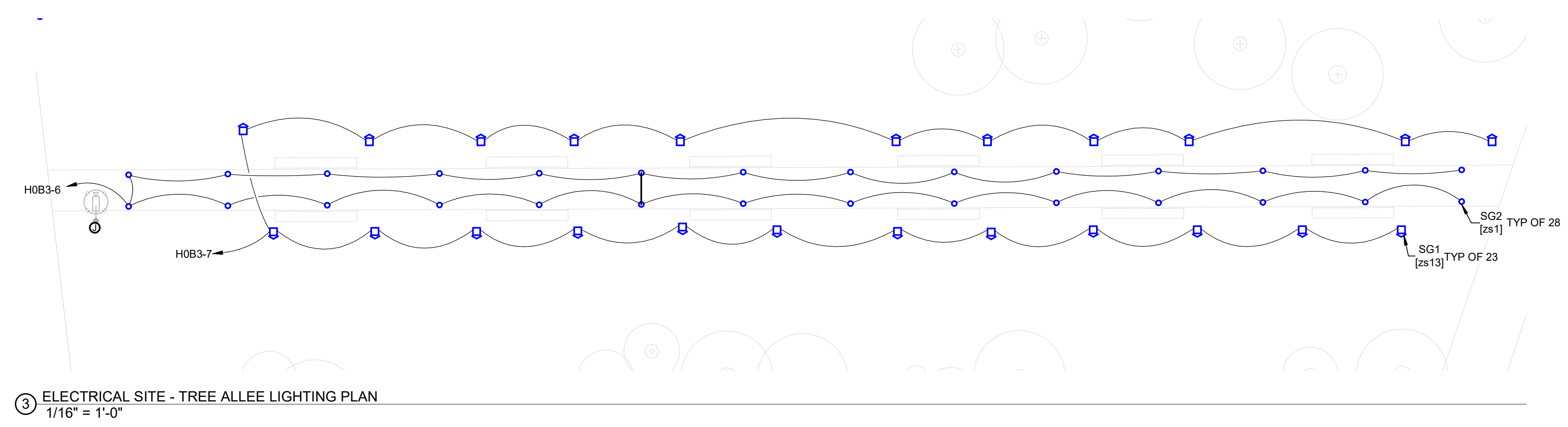
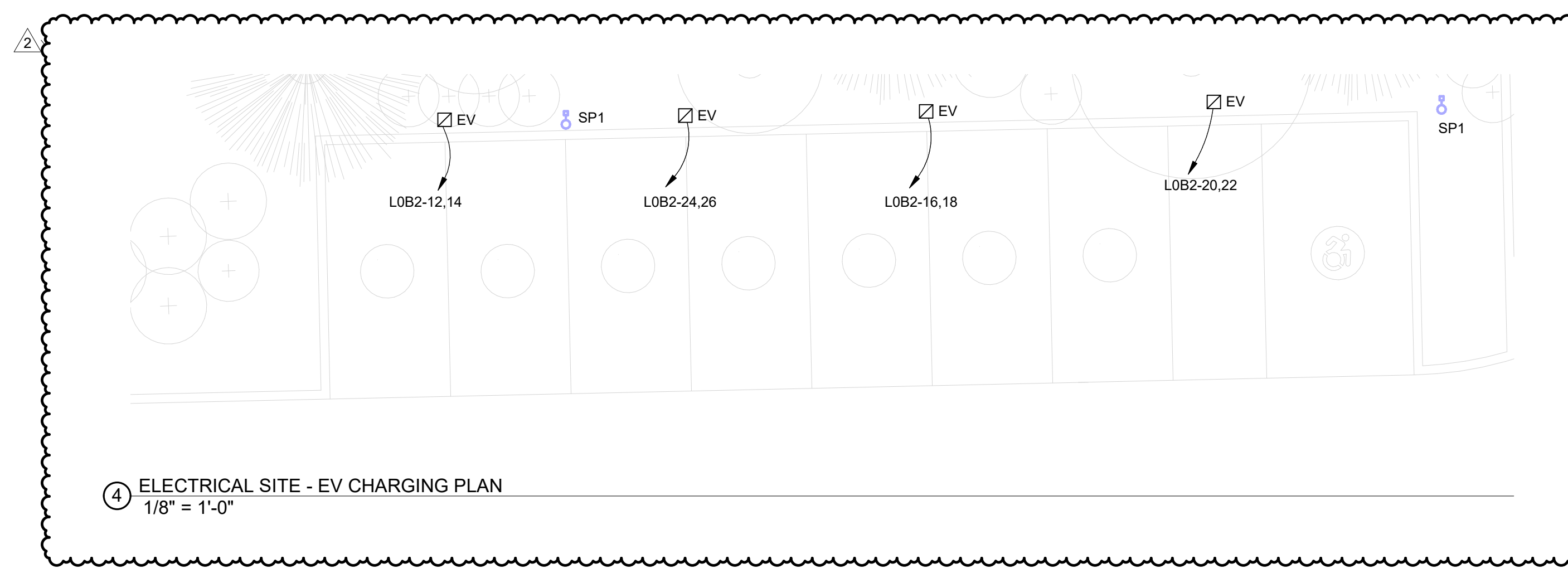


- ELECTRICAL PLAN NOTES:**
- E35 COORDINATE EXACT POLE LOCATION WITH WIRELESS ACCESS POINT POLE WITH TELECOMMUNICATION PLANS
 - PROVIDE 16FT TALL ROUND ALUMINUM POLE - BSGA MODEL 180HNS1 BLACK FINISH WITH STANDARD BASE COVER
 - PROVIDE WITH EXTRA HAND HOLE AT 15'-0" AFF FOR INSTALLATION OF ACCESS POINT
 - E39 INSTALL JUNCTION BOX FOR FUTURE MONUMENT SIGN
 - COORDINATE FINAL LOCATION WITH OWNER



PSW Job Number:
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Henderson Job Number:
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April L. Halling

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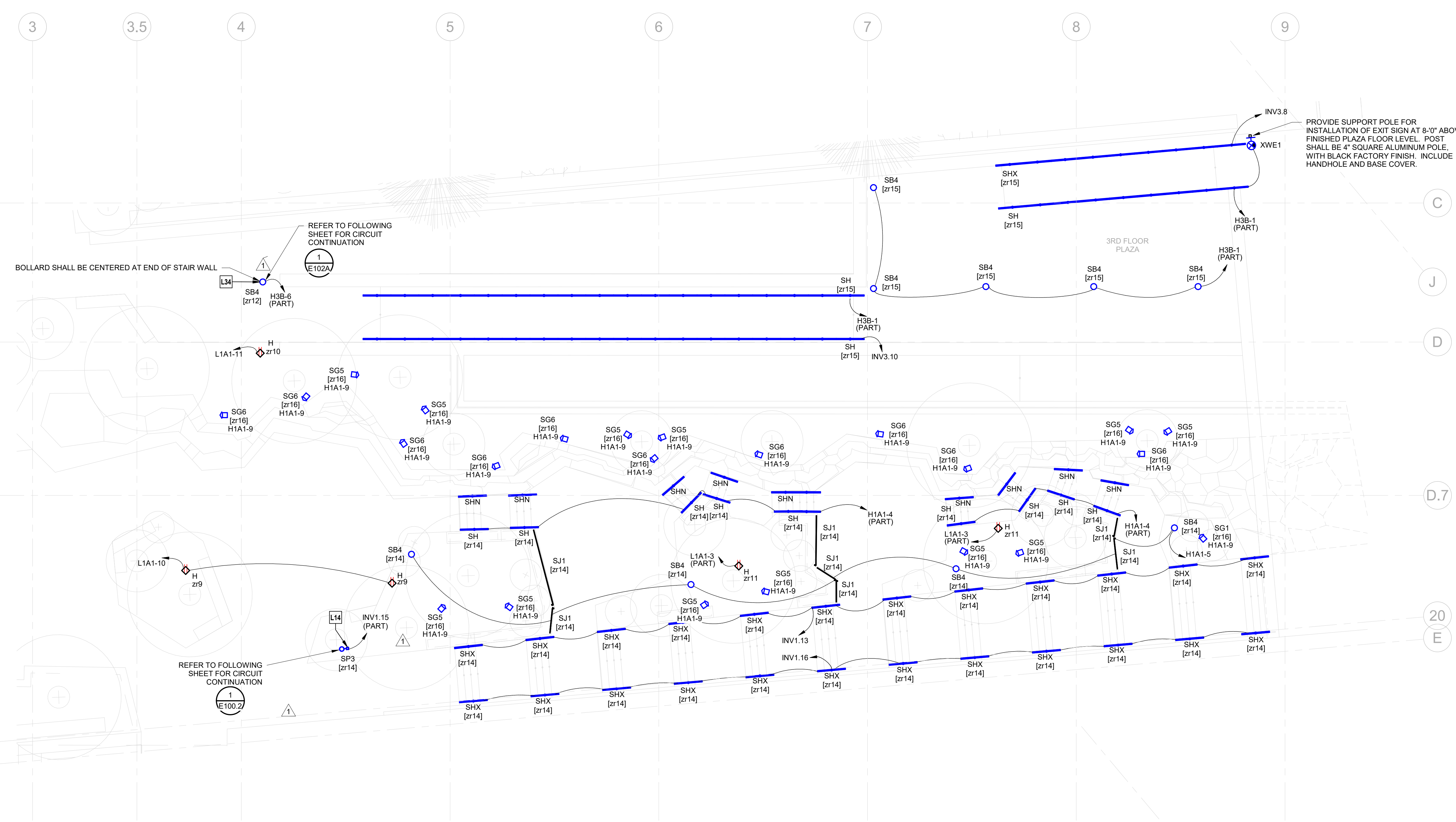
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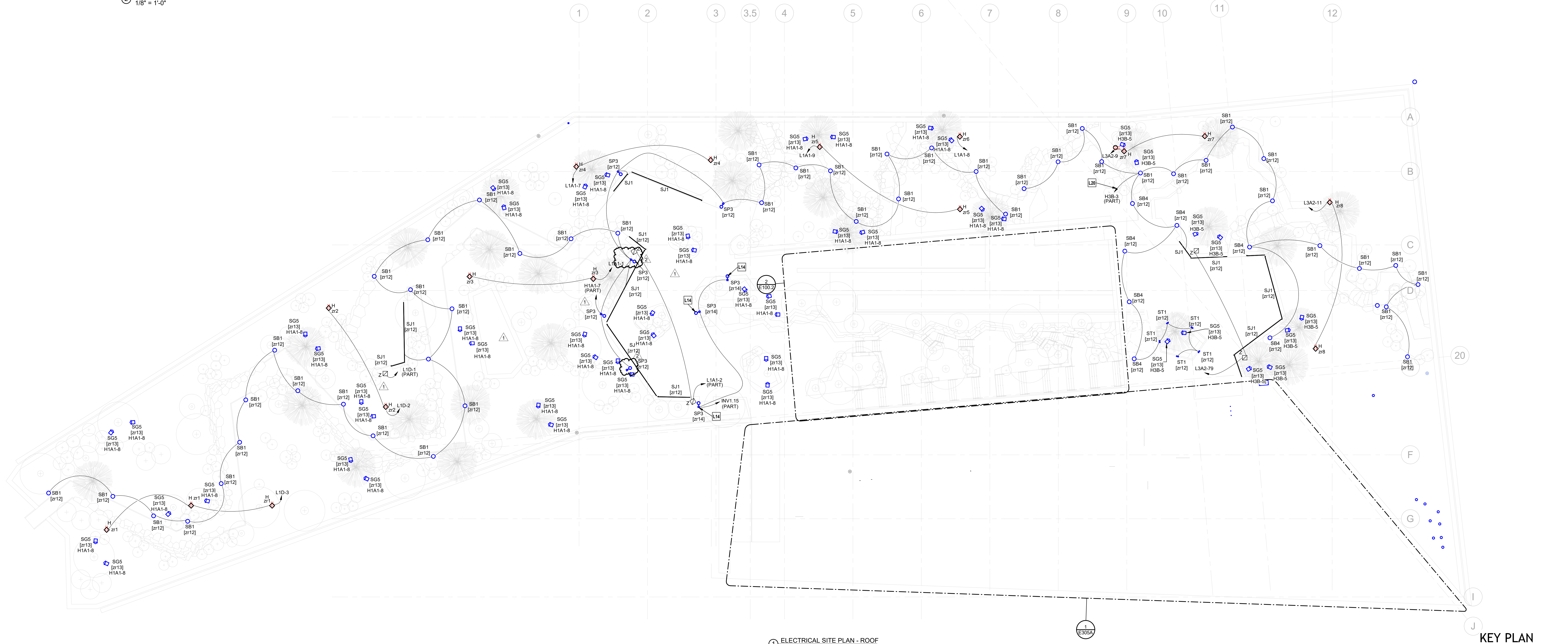
Contents:
ELECTRICAL SITE PLAN

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E100.1



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



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.

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Henderson Job Number:
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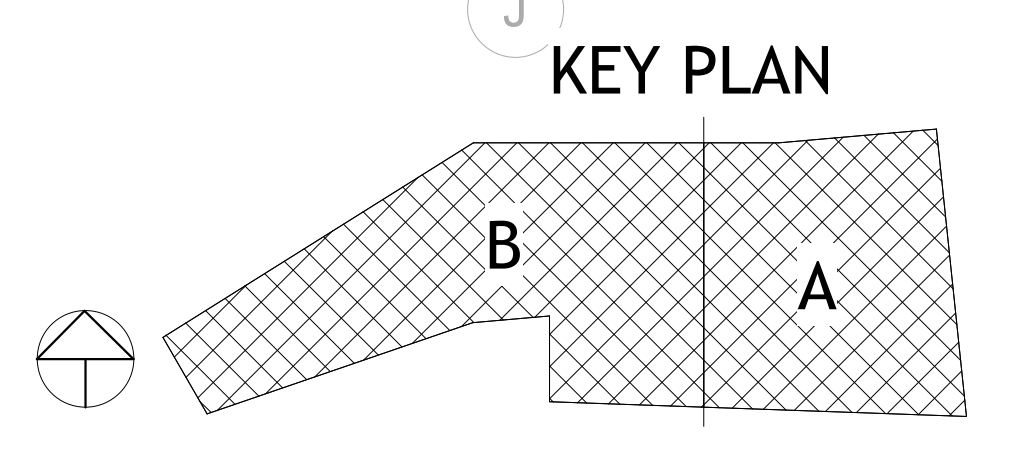


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Contents:
ELECTRICAL SITE PLAN - ROOF



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.

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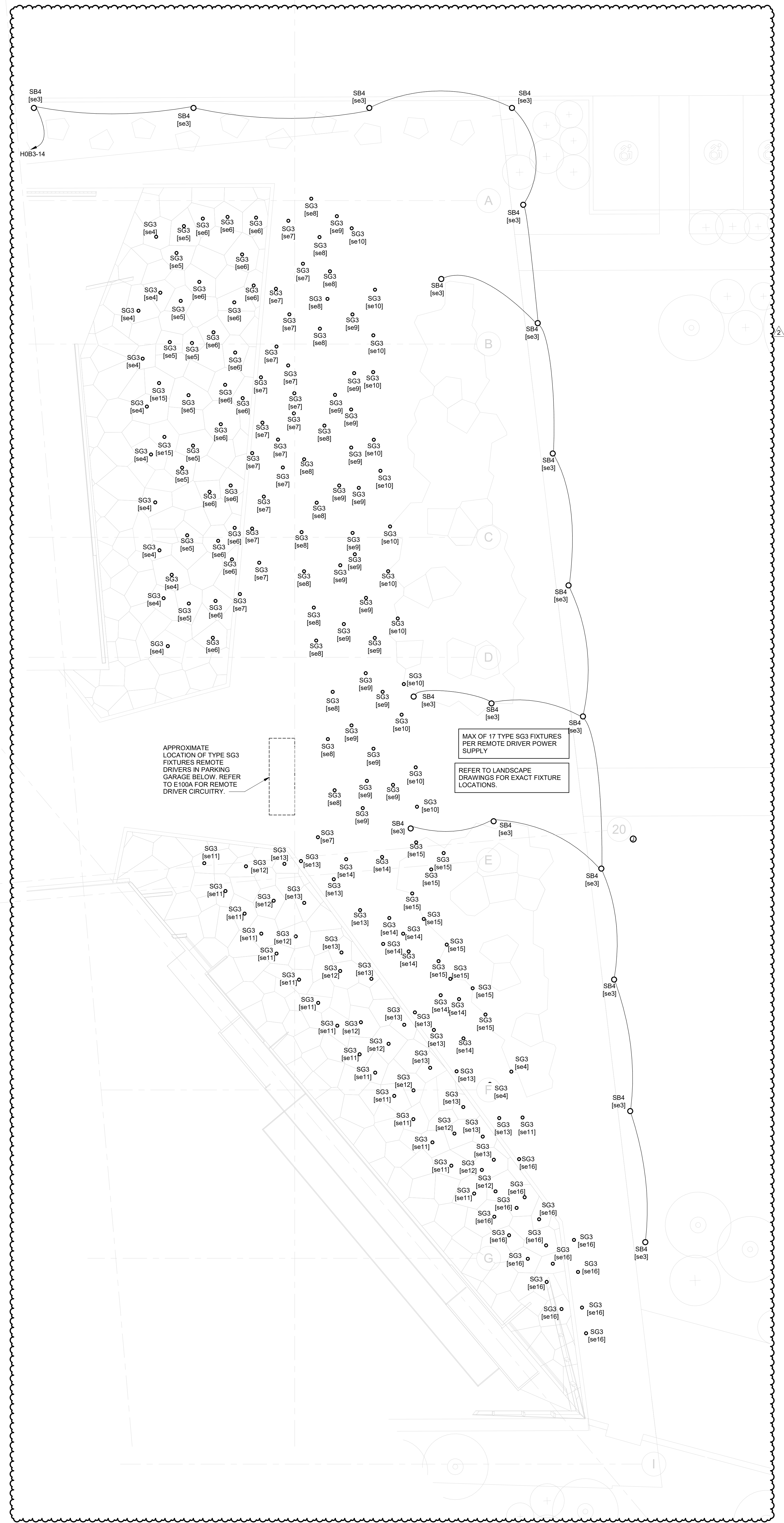
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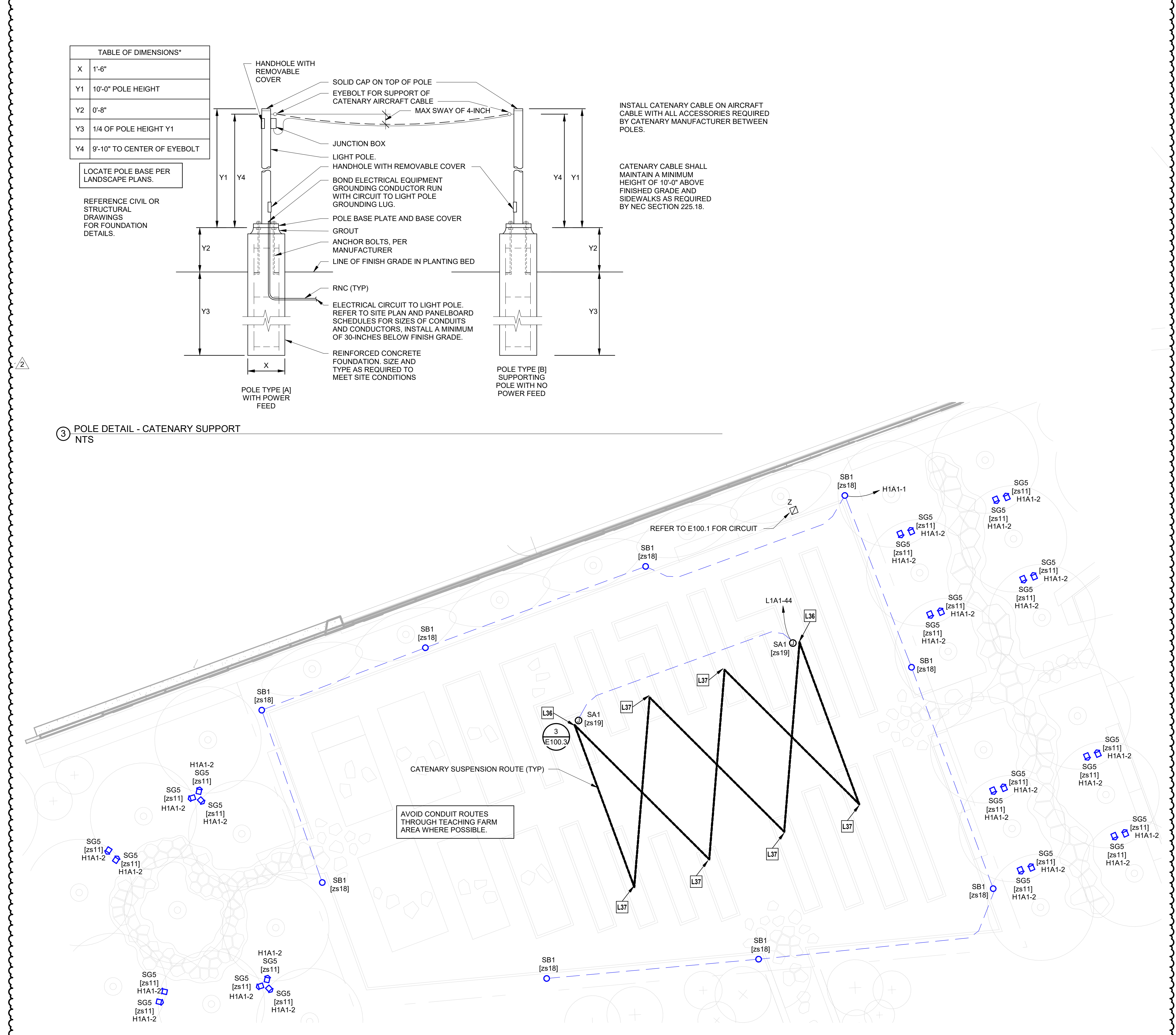
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Contents:
ENTRY LIGHTING PLAN

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E100.3



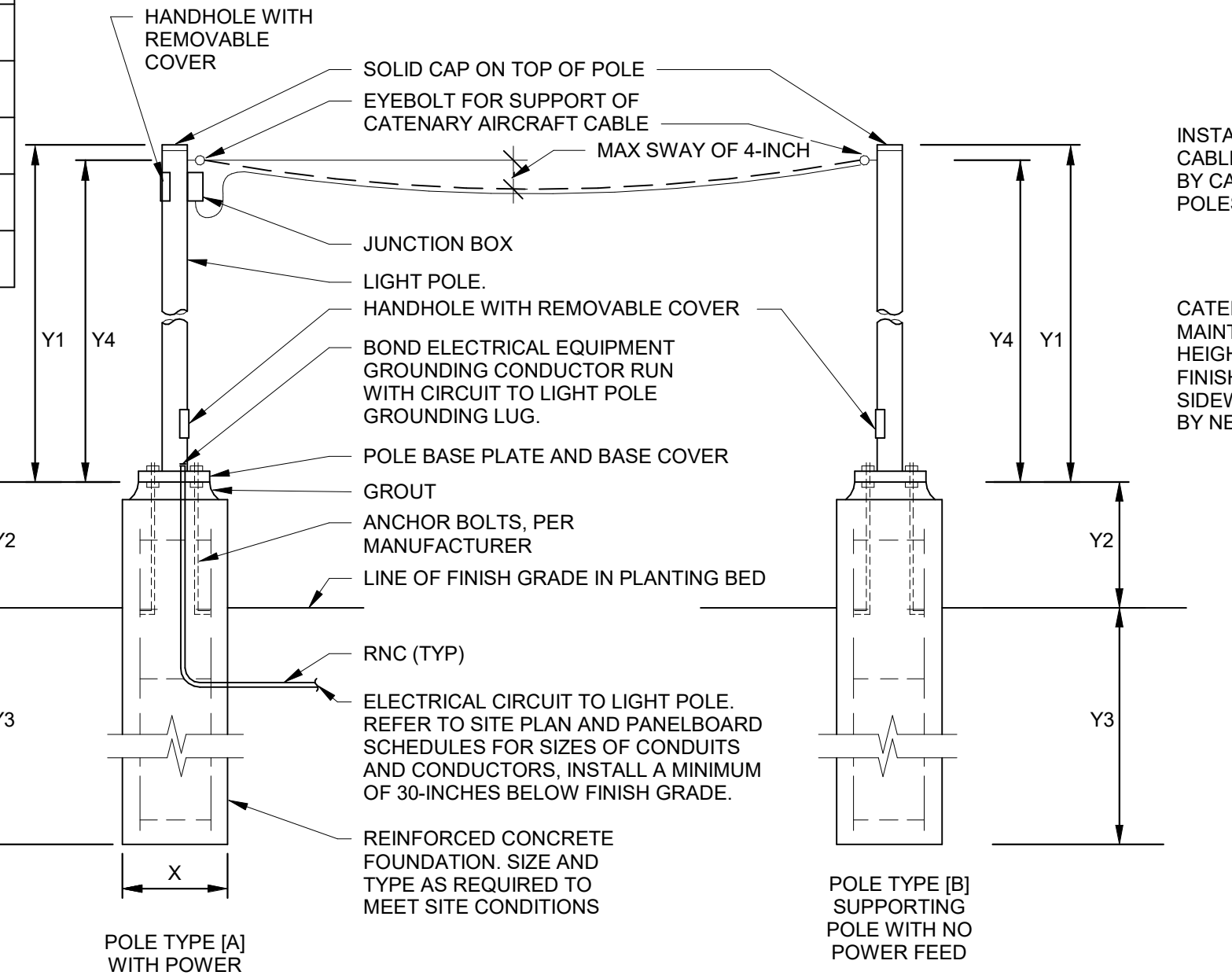
1 ELECTRICAL ENTRY LIGHTING PLAN
 1/8" = 1'-0"



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

3 POLE DETAIL - CATENARY SUPPORT
 NTS

| TABLE OF DIMENSIONS* | |
|----------------------|-----------------------------|
| X | 1'-6" |
| Y1 | 10'-0" POLE HEIGHT |
| Y2 | 0'-8" |
| Y3 | 1/4 OF POLE HEIGHT Y1 |
| Y4 | 9'-10" TO CENTER OF EYEBOLT |



INSTALL CATENARY CABLE ON AIRCRAFT CABLE WITH ALL ACCESSORIES REQUIRED BY CATENARY MANUFACTURER BETWEEN POLES.
 CATENARY CABLE SHALL MAINTAIN A MINIMUM HEIGHT OF 10'-0" ABOVE FINISHED GRADE AND SIDEWALKS AS REQUIRED BY NEC SECTION 225.18.

LOCATE POLE BASE PER LANDSCAPE PLANS.
 REFERENCE CIVIL OR STRUCTURAL DRAWINGS FOR FOUNDATION DETAILS.

AVOID CONDUIT ROUTES THROUGH TEACHING FARM AREA WHERE POSSIBLE.

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.

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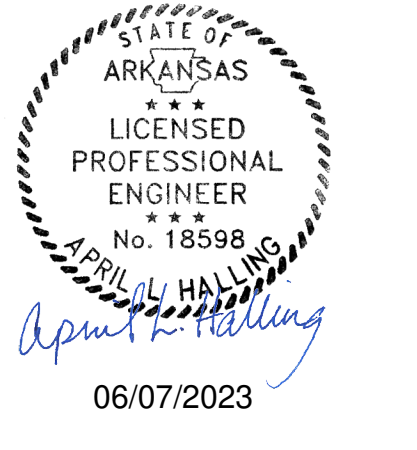
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PSW Job Number:
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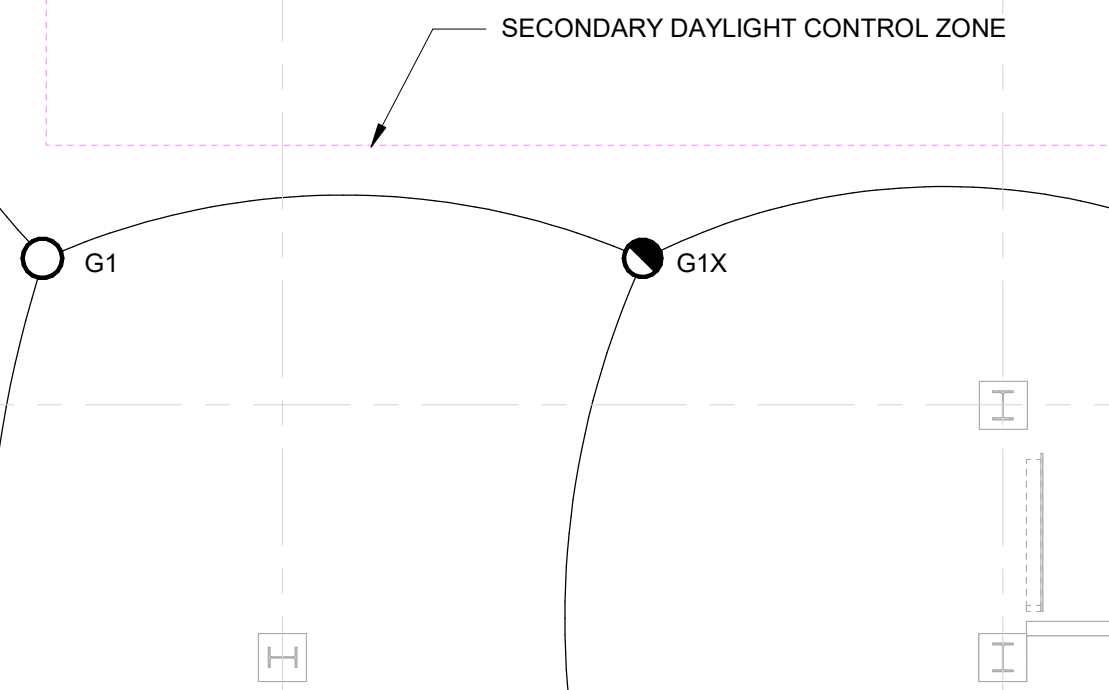
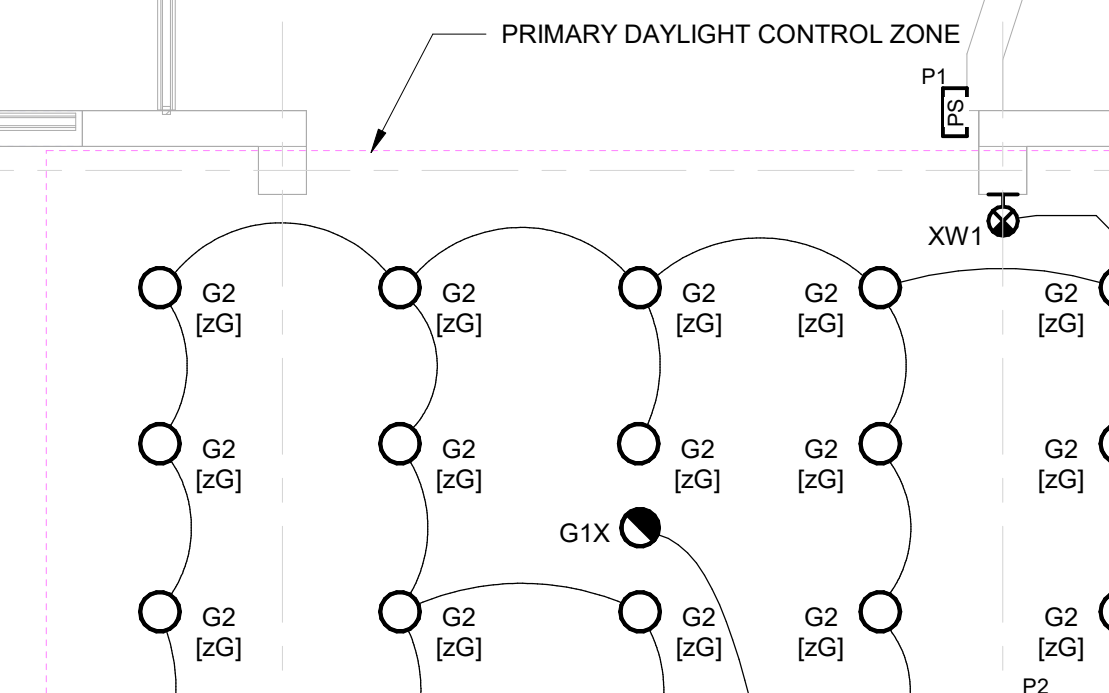
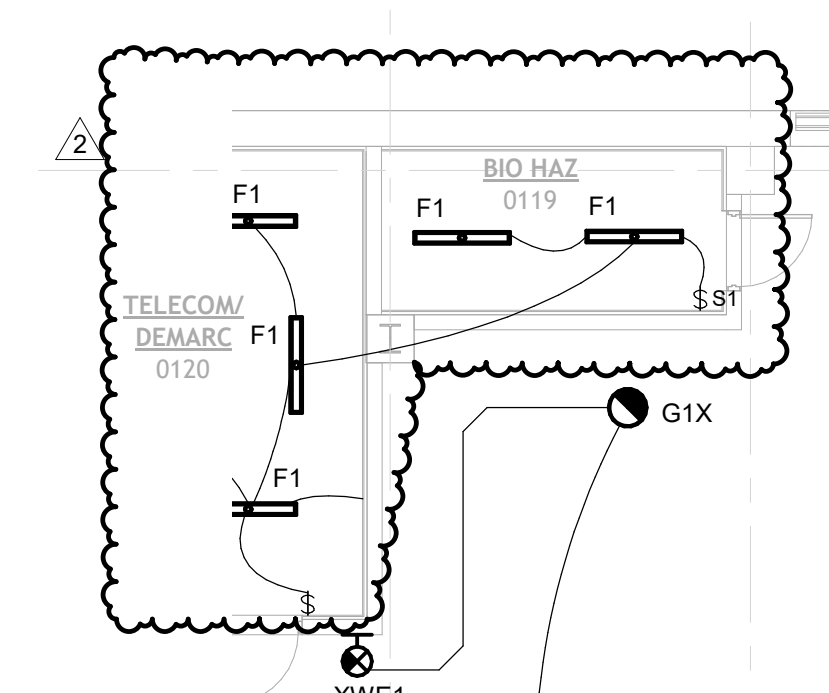
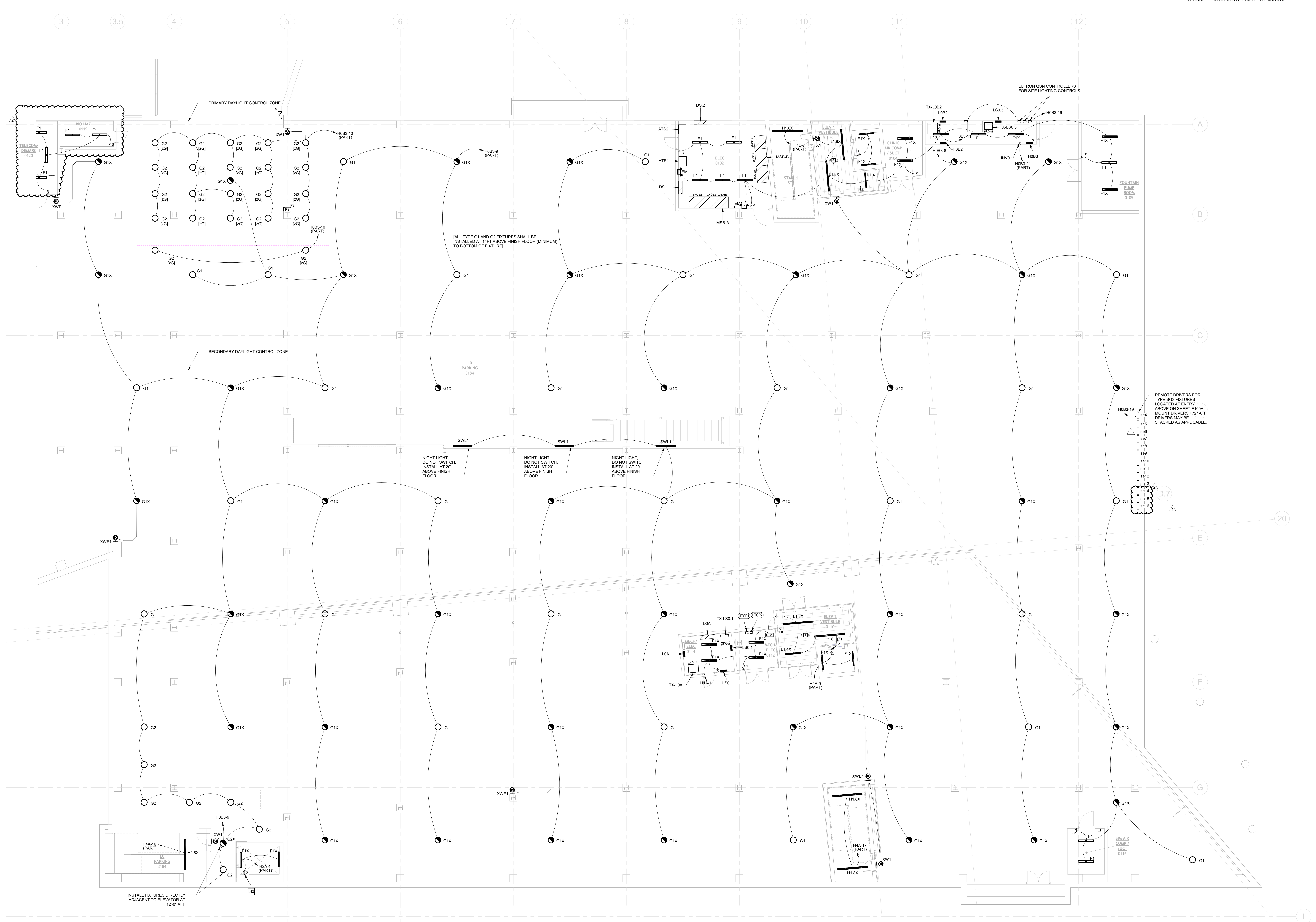
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Contents:
LIGHTING - LEVEL 0 RCP - AREA A

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E100A



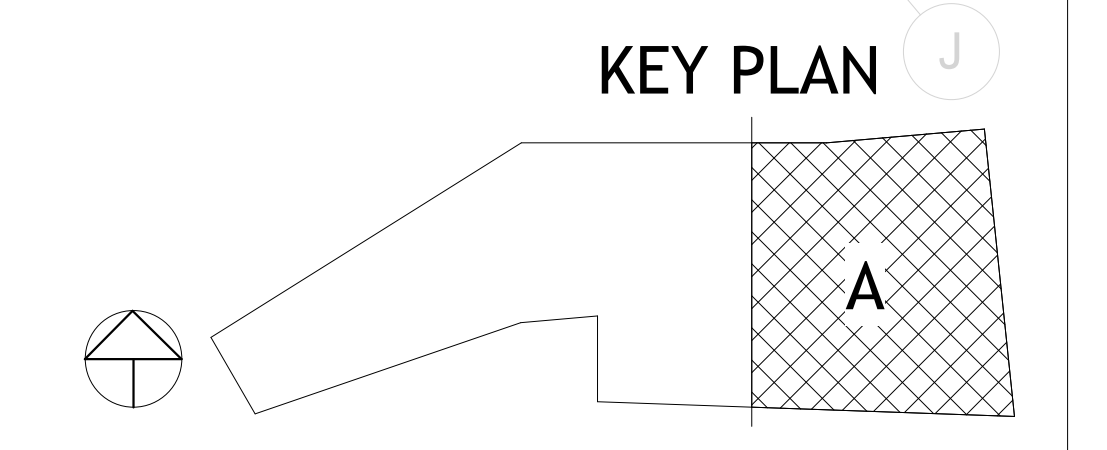
[ALL TYPE G1 AND G2 FIXTURES SHALL BE INSTALLED AT 4FT ABOVE FINISH FLOOR (MINIMUM) TO BOTTOM OF FIXTURE]

NIGHT LIGHT. DO NOT SWITCH. INSTALL AT 2' ABOVE FINISH FLOOR.

REMOTE DRIVERS FOR TYPE SCS FIXTURES LOCATED AT ENTRY ABOVE ON SHEET E100A. MOUNT DRIVERS +72" AFF. DRIVERS MAY BE STACKED AS APPLICABLE.

INSTALL FIXTURES DIRECTLY ADJACENT TO ELEVATOR AT 12" AFF.

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

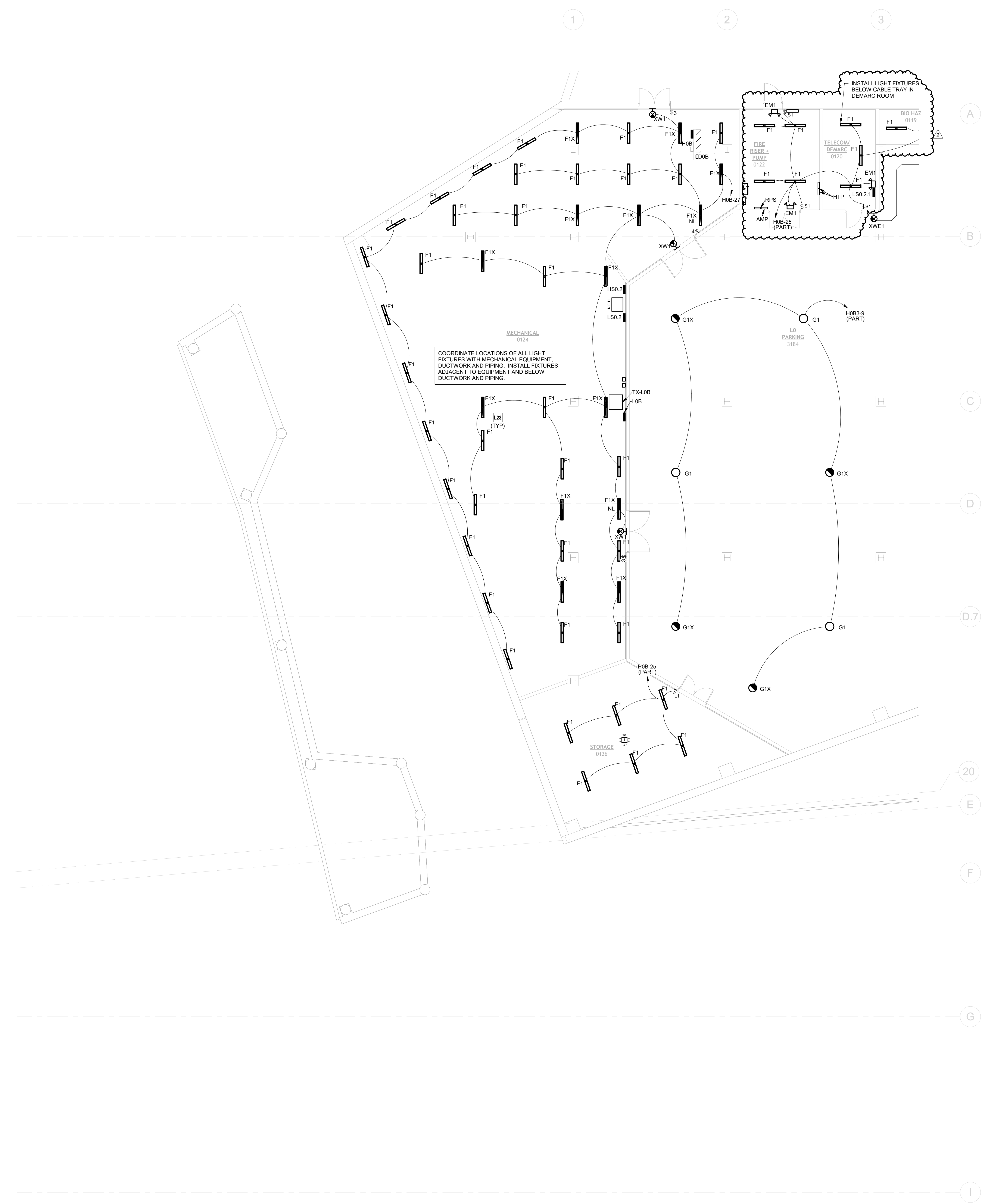


GENERAL NOTES:

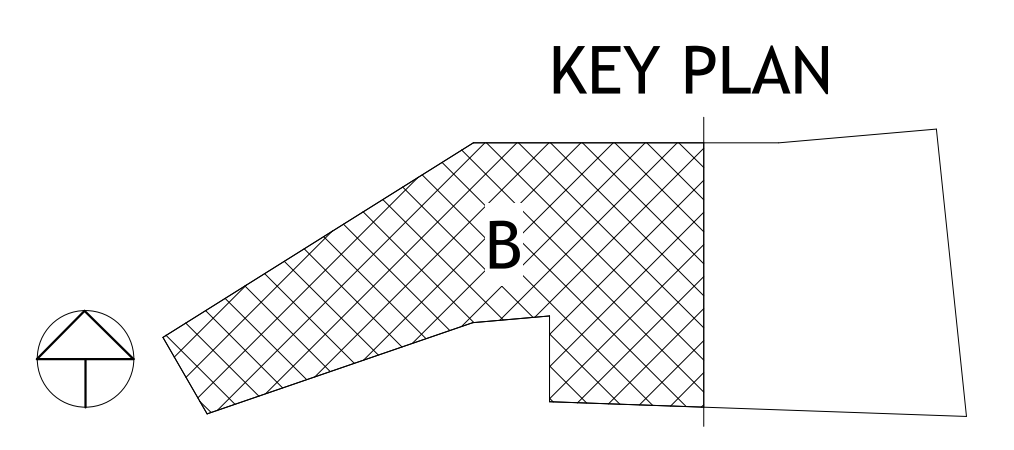
- REFER TO GENERAL NOTES ON SHEET E000.
- PROVIDE ALL LOW VOLTAGE CABLING AND NECESSARY RACEWAY TO SUPPORT CABLING FOR LIGHTING CONTROL SYSTEM. COORDINATE WITH LUTRON CONTROLS DRAWINGS FOR ALL REQUIREMENTS.

ELECTRICAL PLAN NOTES:

- 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.

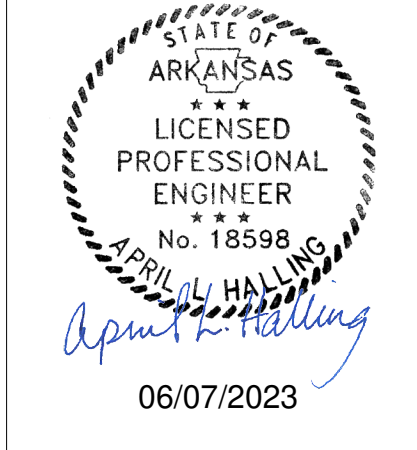


Ⓢ LIGHTING - LEVEL 0 RCP - AREA B
1/8" = 1'-0"



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Henderson Job Number:
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Contents:
LIGHTING - LEVEL 0 RCP - AREA B

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:

- SWITCH FOR CONTROL OF LIGHTING IN SIMULATION ROOM.
- INSTALL POWER SUPPLY SERVING COVE LIGHTING ABOVE ADJACENT ACCESSIBLE CEILING. LOCATE SUPPLY NO MORE THAN 2FT ABOVE CEILING TILE.
- REMOTE POWER SUPPLY FOR EXTERIOR EMERGENCY LIGHT FIXTURE. INSTALL AS HIGH AS POSSIBLE BELOW STAIR LANDING.
- LOCATION OF #1T 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 MINI INVERTER WITH BOTTOM AT 19'-0" AFF ON WALL ACCESSIBLE.
- PROVIDE LOCKABLE SWITCH COVER.
- 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.
- ILLUMINATED MIRROR SPECIFIED BY ARCHITECT. COORDINATE ELECTRICAL CONNECTION WITH MANUFACTURER. CONTROL WITH ALL LIGHTING IN TOILET ROOM.
- INTERNALLY ILLUMINATED DESK. PROVIDE CONTROLLED POWER FOR ILLUMINATED DESK PER MANUFACTURER'S REQUIREMENTS.
- LIGHTING CONTROL SWITCHES FOR CLINIC WAITING ZONES (A) THRU (H).
- SWITCH INSTALLED ABOVE COUNTER AT DESK. CONTROL ALL CONSULTS AND WAITING SWITCH IN DESK MILLWORK BELOW COUNTER.
- LOCATE LUTRON CONTROL MODULES ABOVE ACCESSIBLE CEILING. REFER TO LUTRON CONTROL DRAWINGS FOR ADDITIONAL CONNECTION REQUIREMENTS.
- INSTALL FIXTURE AND CHANNEL CUT TO LENGTH AT TOP AND BOTTOM OF WOOD SLAT FEATURE. REFER TO ARCHITECTURAL DETAILS FOR EXACT LOCATION.
- INSTALL FIXTURE AND CHANNEL CUT TO LENGTH AT BOTTOM OF BASE. REFER TO ARCHITECTURAL DETAILS FOR EXACT LOCATION.

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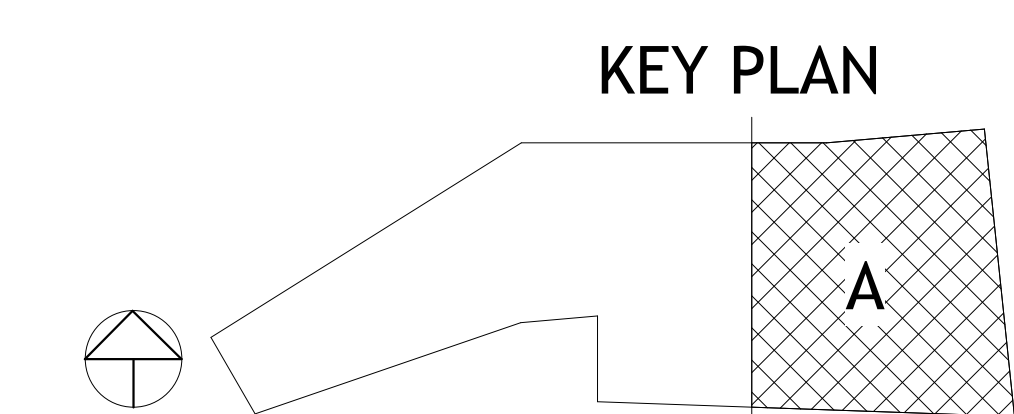
Consents:
LIGHTING - LEVEL 1 RCP - AREA A

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E101A



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

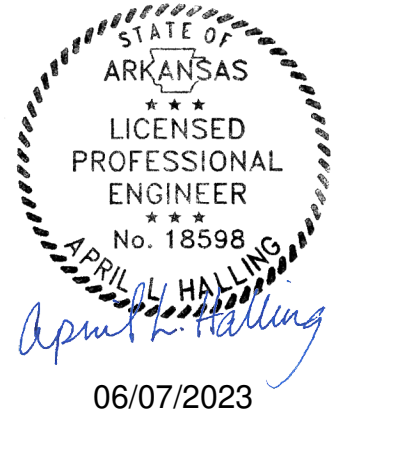


GENERAL NOTES:

- 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.

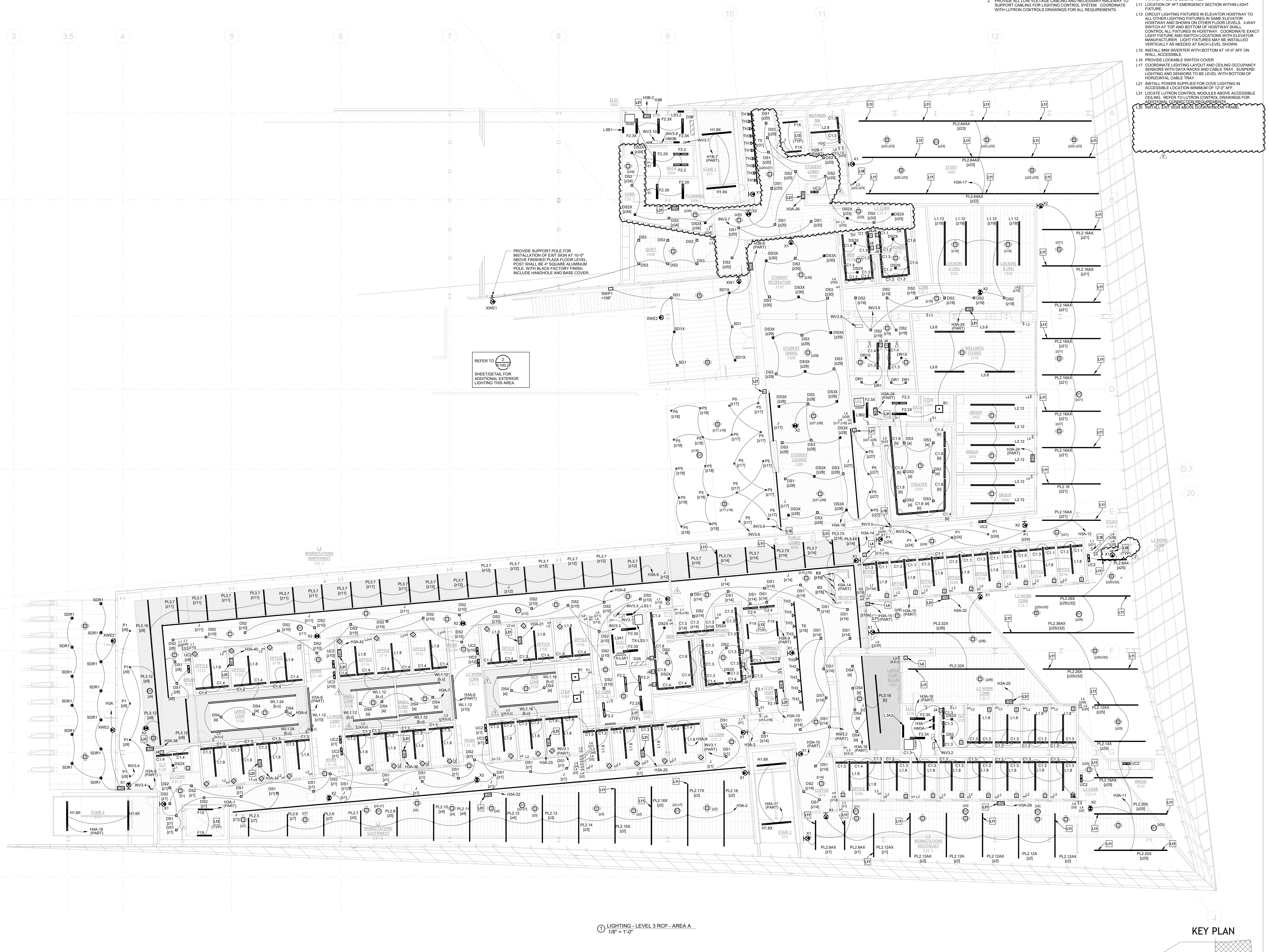
ELECTRICAL PLAN NOTES:

- L4 INSTALL POWER SUPPLY SERVING COVE LIGHTING ABOVE ADJACENT ACCESSIBLE CEILING. LOCATE SUPPLY NO MORE THAN 2FT ABOVE CEILING TILE.
- 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.
- 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.



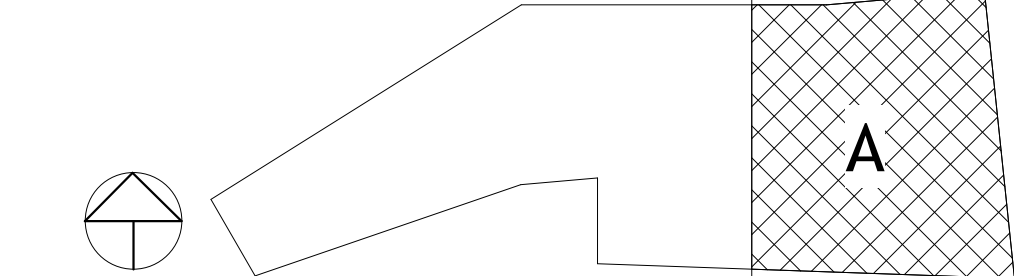
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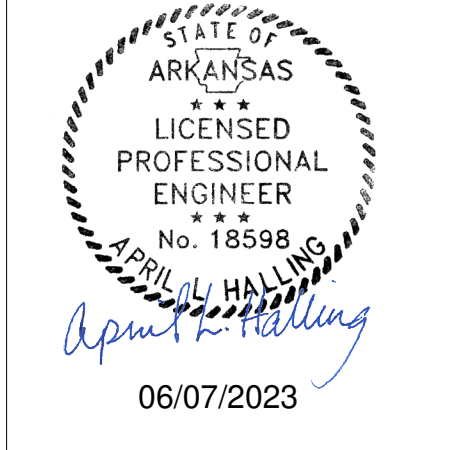


1 LIGHTING - LEVEL 3 RCP - AREA A 1/8" = 1'-0"

KEY PLAN



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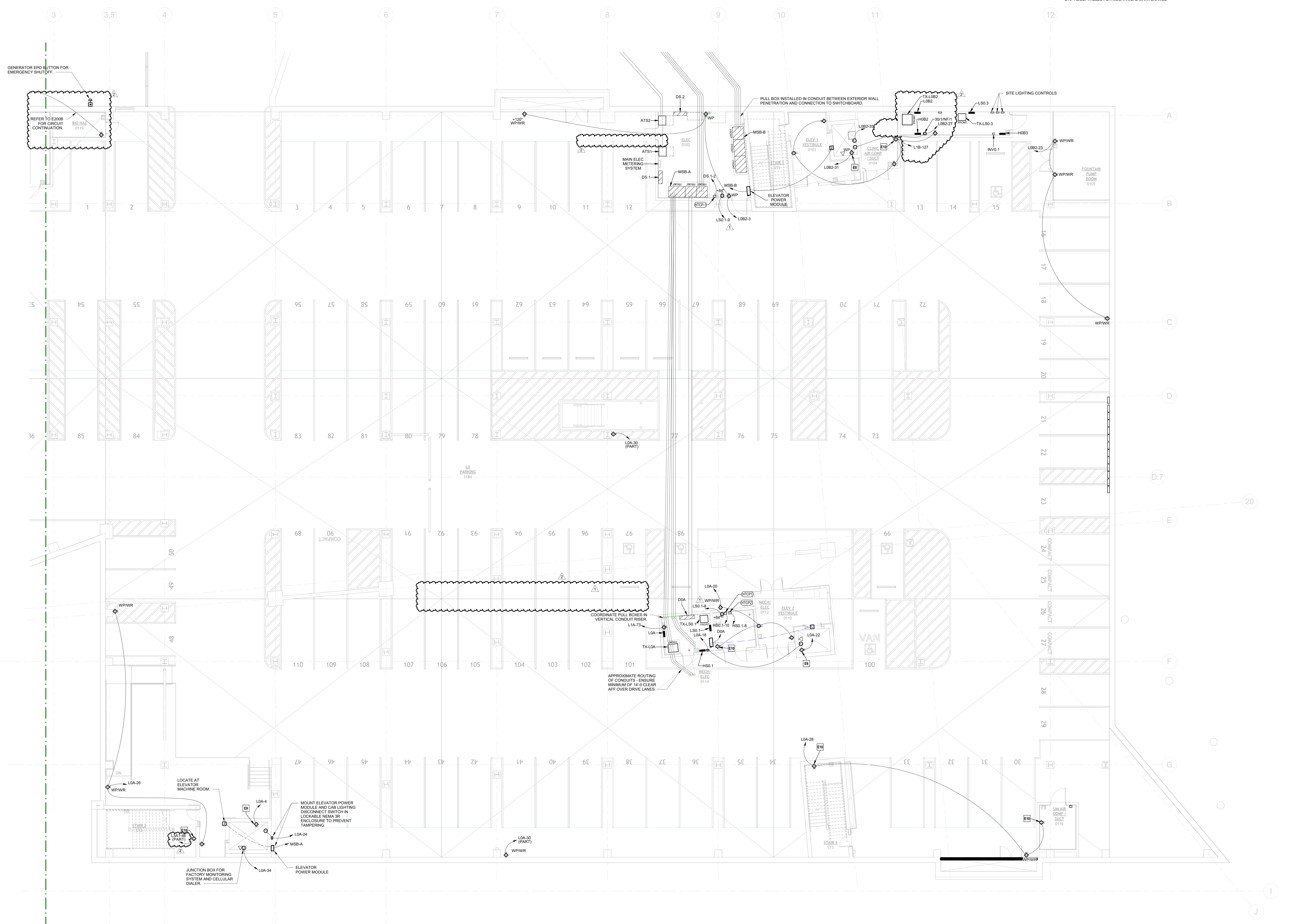
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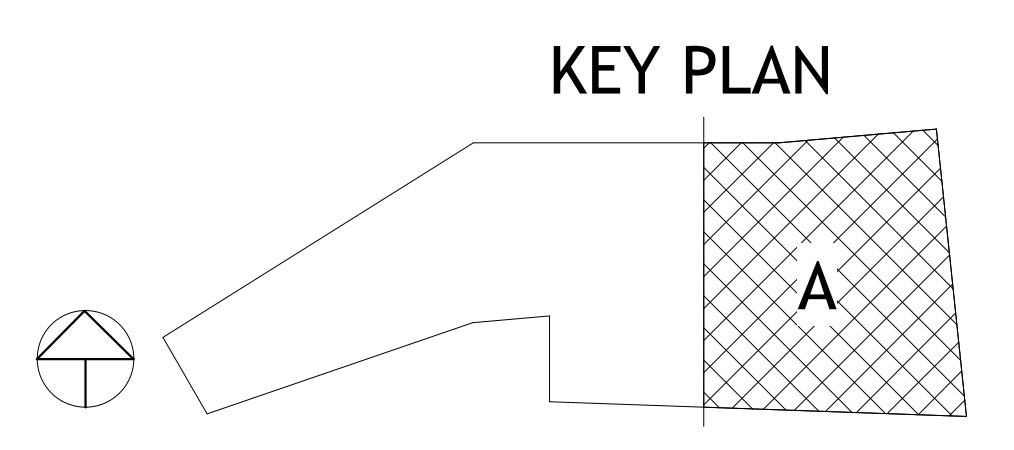
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Consents:
**POWER - LEVEL 0
PLAN - AREA A**

ELECTRICAL PLAN NOTES:
E9 INSTALL MAINTENANCE RECEPTACLE IN ELEVATOR PIT. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER.
E10 RECEPTACLES FOR MECHANICAL MAINTENANCE



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



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

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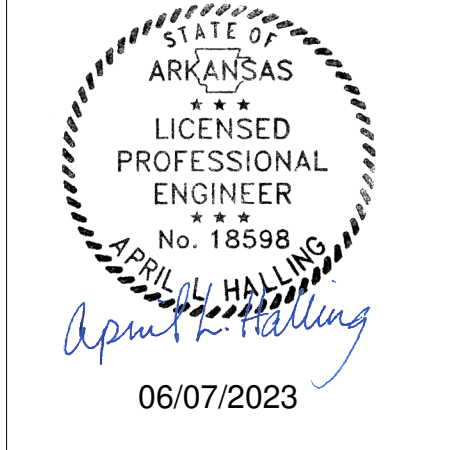
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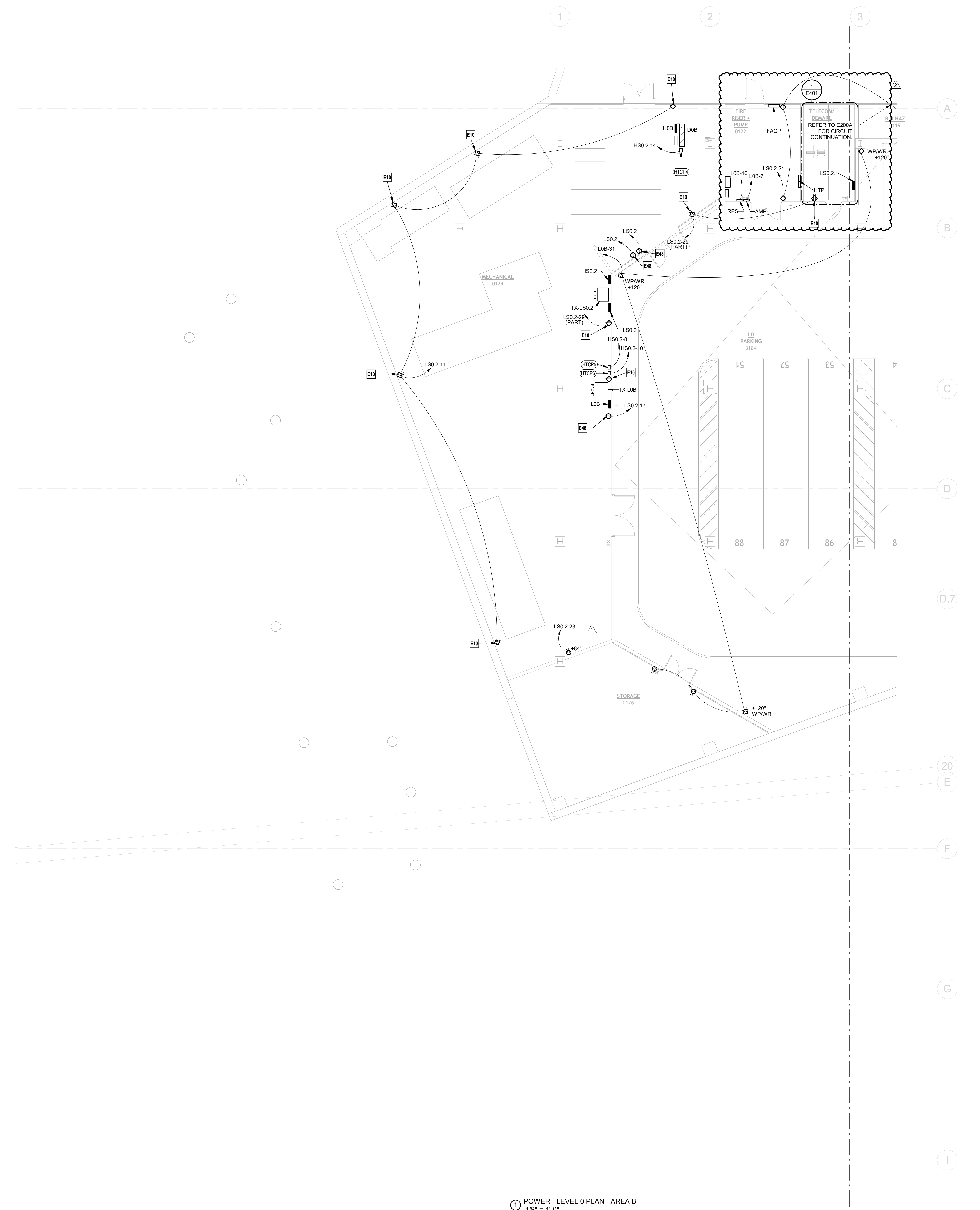


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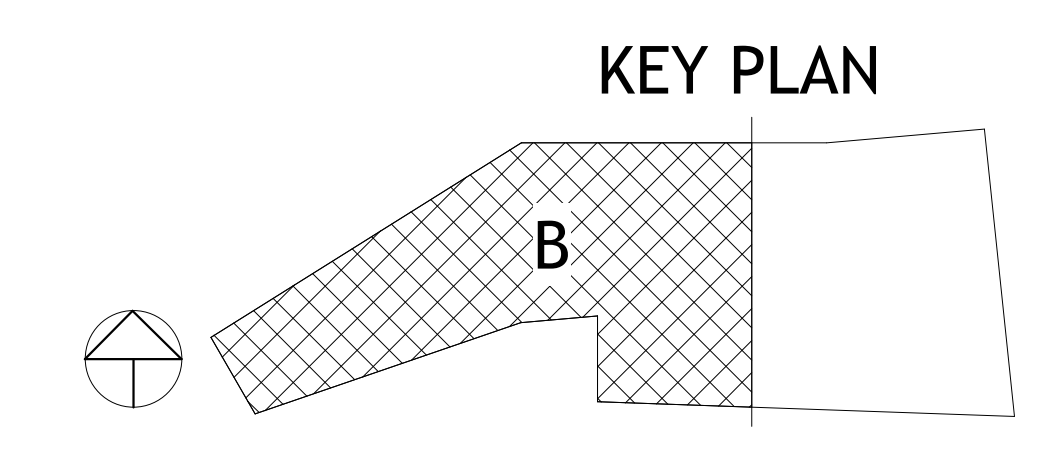
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Contents:
 POWER - LEVEL 0
 PLAN - AREA B



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



- 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.

GENERAL NOTE:

1. IN COMPLIANCE WITH IBC, PENETRATIONS INTO OR THROUGH INTERIOR EXIT STAIRWAYS ARE PROHIBITED EXCEPT AS ALLOWED IN 2021 IBC SECTION 1023.5.
2. 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.

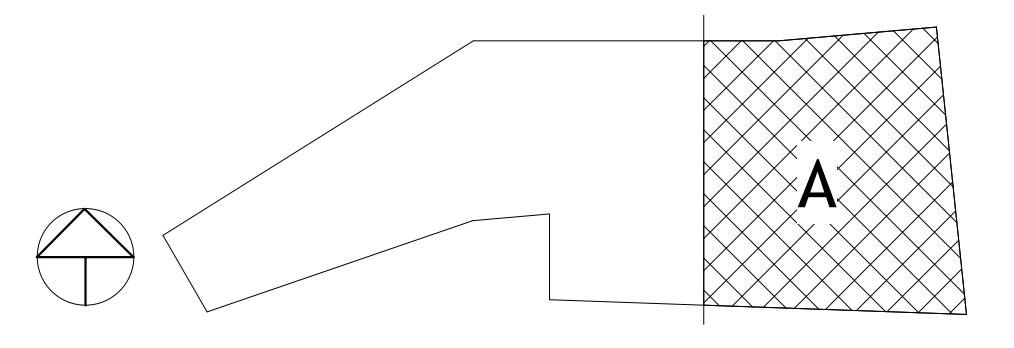
NOTE: REFER TO SECURITY AND TELECOM DRAWINGS AT COUNTER, SECURITY AND DATA DEVICE LOCATIONS.

ALL RECEPTACLES 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



PSW Job Number:
993A
 Henderson Job Number:
2150002607



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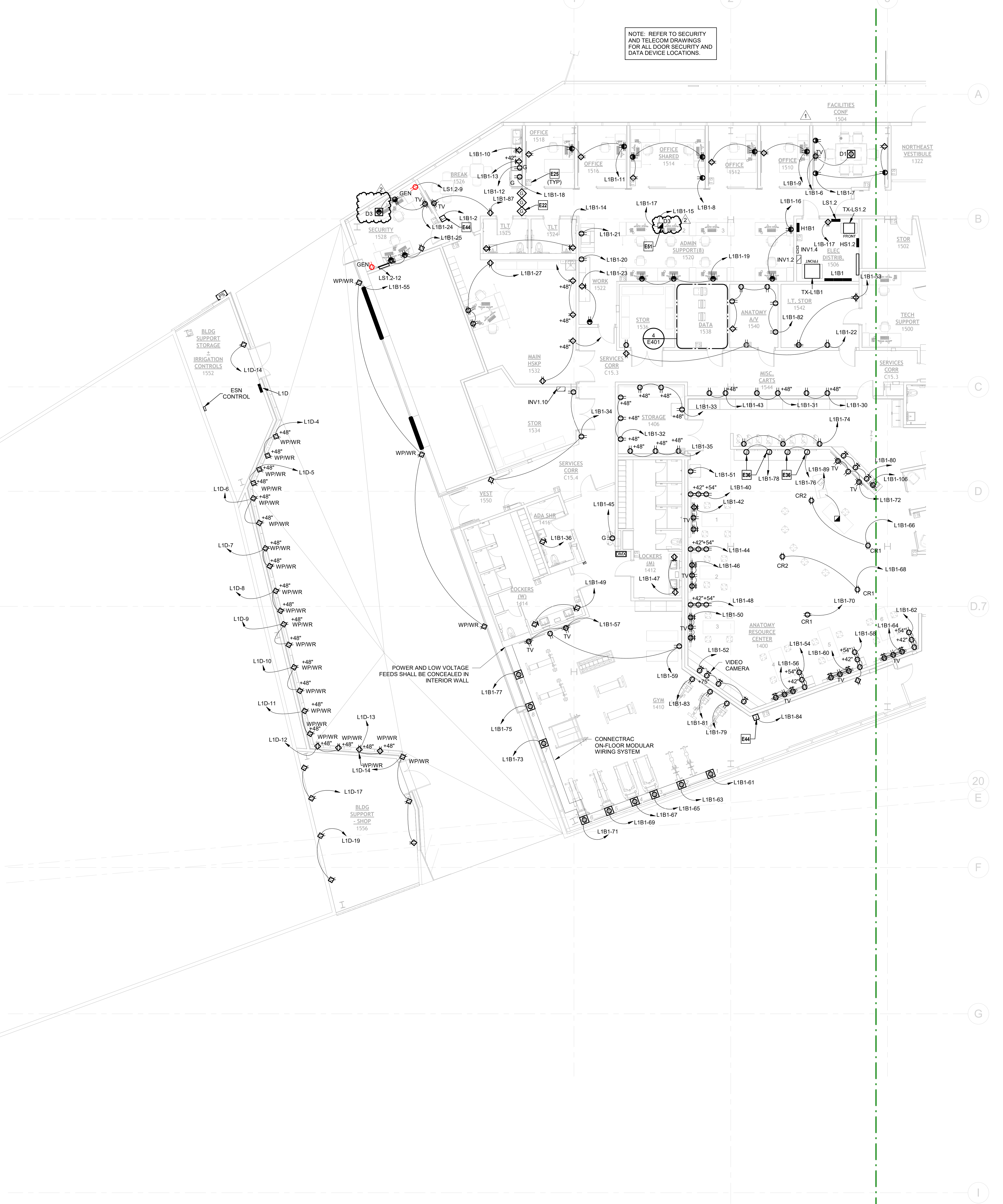
Issue Date:
02.24.2023

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| 2 | 06.09.23 | Addendum 2 |

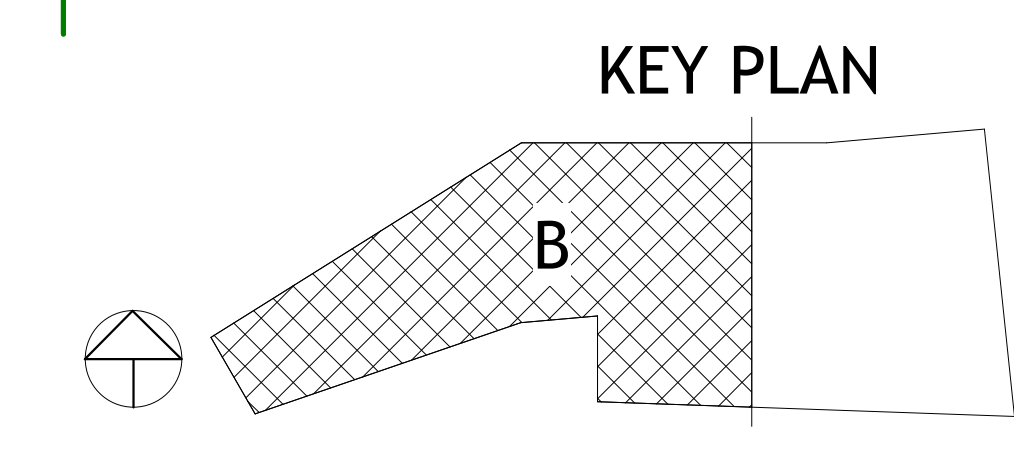
Contents:
**POWER - LEVEL 1
 PLAN - AREA B**

- GENERAL NOTE:**
1. IN COMPLIANCE WITH IBC, PENETRATIONS INTO OR THROUGH INTERIOR EXIST STAIRWAYS ARE PROHIBITED EXCEPT AS ALLOWED IN 2021 IBC SECTION 1023.6
 2. 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:**
- E22 INSTALL INDIVIDUAL GFCI-FEED THRU DEVICE TO PROTECT EACH NON-GFI RECEPTACLE IN BREAKROOM. INSTALL GFCI PROTECTIVE DEVICE ACCESSIBLE FOR RESET.
 - E25 MECHANICAL THERMOSTAT LOCATION. PROVIDE JUNCTION BOX AND 1/2" CONDUIT TO ABOVE CEILING FOR CONTROL WIRING.
 - E36 INSTALL JUNCTION BOX ACCESSIBLE ABOVE EDGE OF CEILING FOR FUTURE ELECTRICAL CIRCUIT EXTENSION.
 - E44 INSTALL JUNCTION BOX FOR LUTRON ROLLER SHADE CONTROL PANEL. LOCATE PANEL ABOVE ACCESSIBLE CEILING LOCATION AND OUT OF PUBLIC VIEW.
 - E51 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"

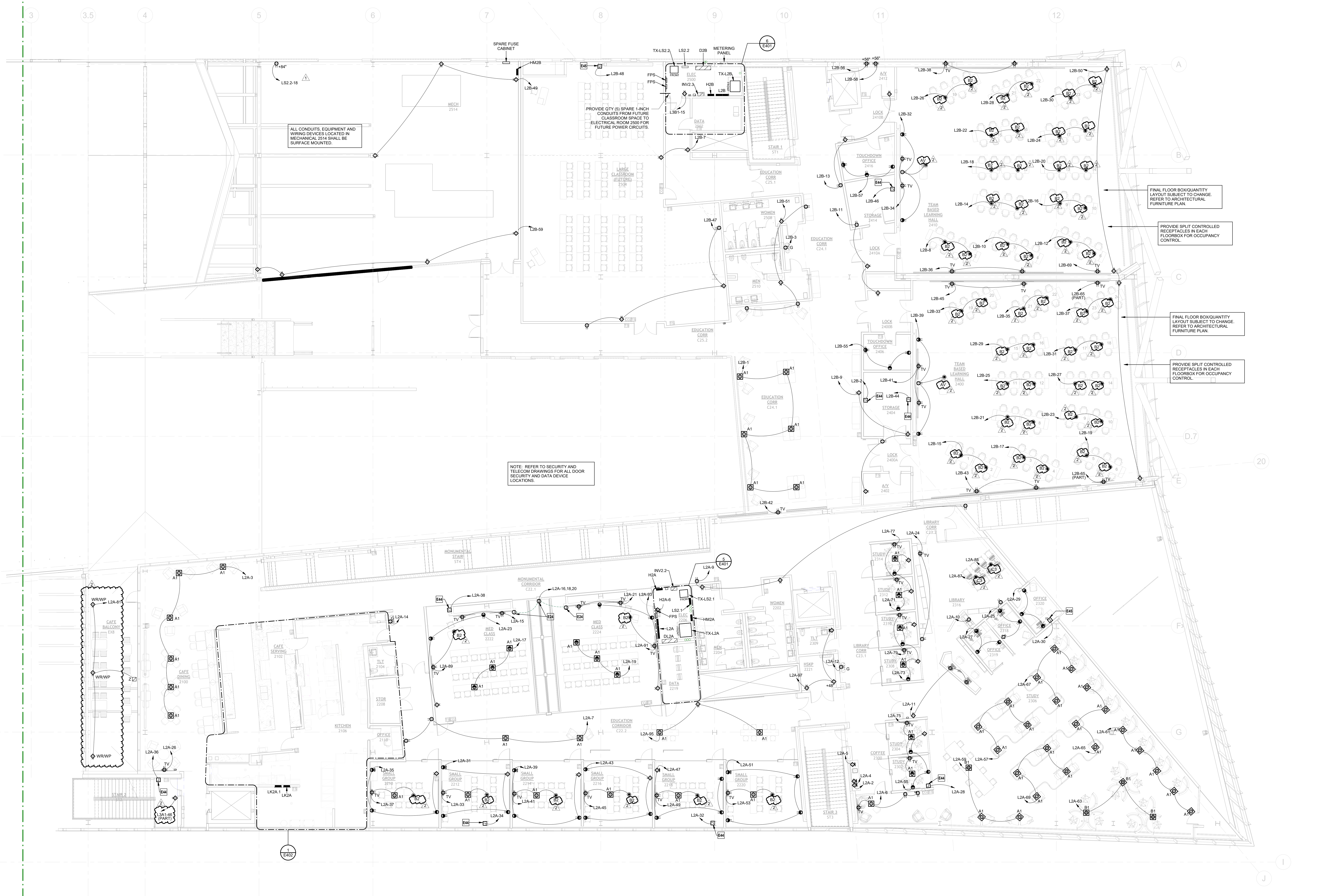




| REVISIONS | | |
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| NUMBER | DATE | DESCRIPTION |
| 1 | 03/10/23 | Addendum 1 |
| 2 | 06/29/23 | Addendum 2 |

GENERAL NOTE:
1. IN COMPLIANCE WITH IBC, PENETRATIONS INTO OR THROUGH INTERIOR EXISTING STAIRWAYS ARE PROHIBITED EXCEPT AS ALLOWED IN 2021 IBC SECTION 1023.5
2. 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 2014 SHALL BE SURFACE MOUNTED.

PROVIDE QTY (5) SPARE 1/2 INCH CONDUITS FROM FUTURE CLASSROOM SPACE TO ELECTRICAL ROOM 2500 FOR FUTURE POWER CIRCUITS.

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.

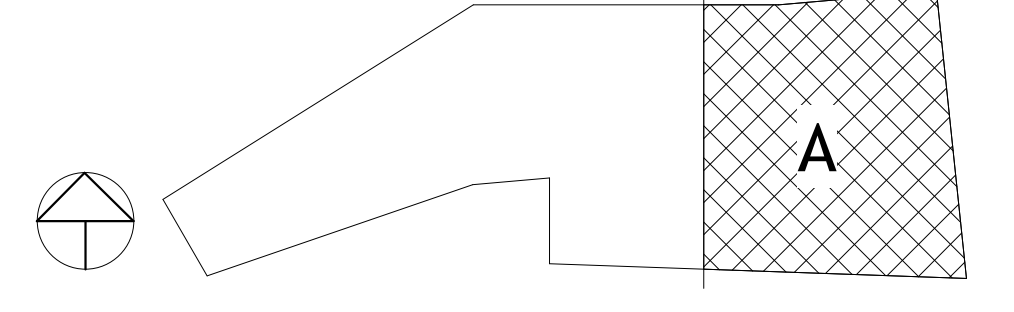
PROVIDE SPLIT CONTROLLED RECEPTACLES IN EACH FLOORBOX FOR OCCUPANCY CONTROL.

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

PROVIDE SPLIT CONTROLLED RECEPTACLES IN EACH FLOORBOX FOR OCCUPANCY CONTROL.

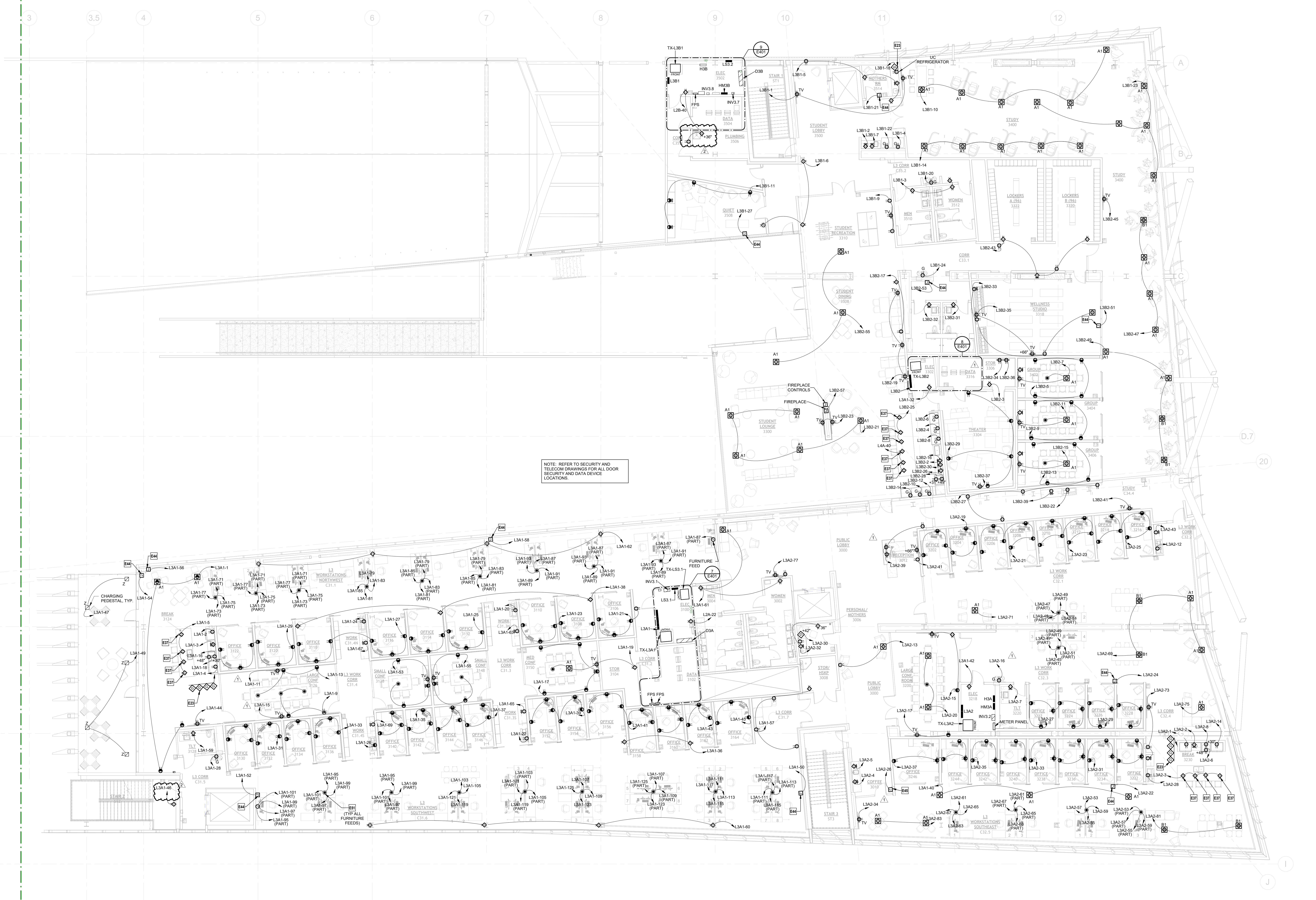
POWER - LEVEL 2 PLAN - AREA A
1/8" = 1'-0"

KEY PLAN



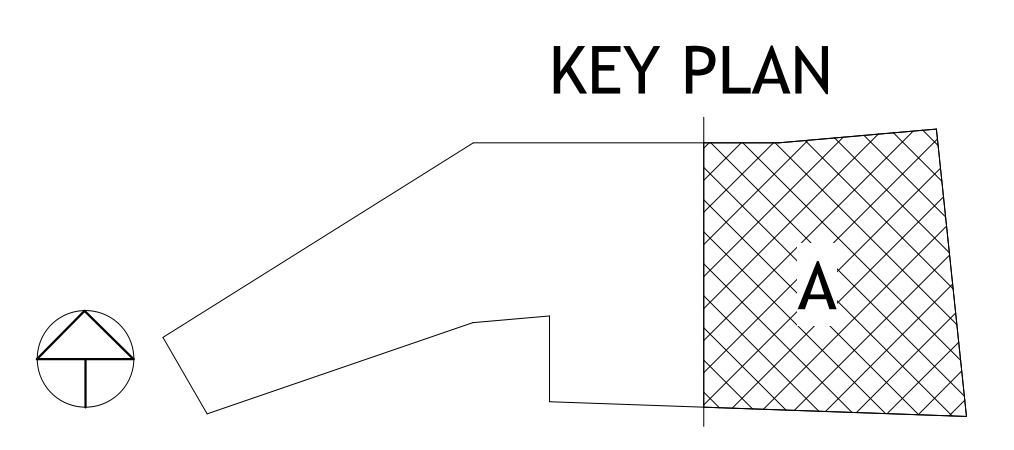
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- GENERAL NOTE:**
- IN COMPLIANCE WITH IBC, PENETRATIONS INTO OR THROUGH INTERIOR EXISTING STAIRWAYS ARE PROHIBITED EXCEPT AS ALLOWED IN 2021 IBC SECTION 1023.5
 - ADDITIONAL ESN CONTROL MODULES ARE REQUIRED FOR CONTROLLED RECEPTACLES. COORDINATE WITH 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 FEED THRU 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 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.
 - 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"



- 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:**
- E11 INSTALL INDIVIDUAL GFCI-FEED THRU DEVICE TO PROTECT EACH NON-GFI RECEPTACLE AT COUNTER. INSTALL GFCI PROTECTIVE DEVICE AT LOCATION SHOWN ACCESSIBLE FOR RESET.
 - E25 MECHANICAL THERMOSTAT LOCATION. PROVIDE JUNCTION BOX AND 1/2" CONDUIT TO ABOVE CEILING FOR CONTROL WIRING.
 - E37 INSTALL RECEPTACLES ACCESSIBLE BELOW COUNTER ON CASEWORK AT CHAIR KNEE SPACE.
 - E42 INSTALL GFCI-FEED-THRU DEVICE ON WALL 12-INCHES BELOW CEILING.
 - 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.

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

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

KEY PLAN

PSW Job Number:
993A
Henderson Job Number:
2150002607



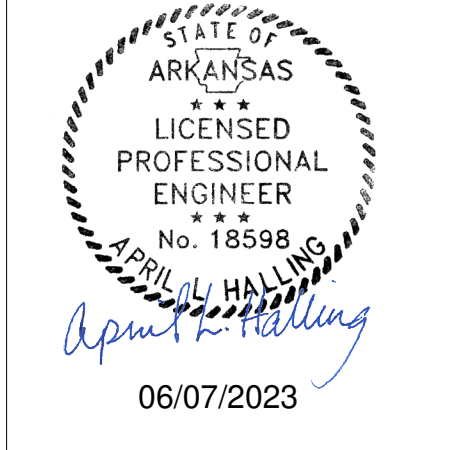
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Issue Date:
02.24.2023

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| NUMBER | DATE | DESCRIPTION |
| 1 | 03/13/23 | Addendum 1 |
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Consents:
**POWER - LEVEL 4
PLAN - AREA A**

PSW Job Number:
993A
Henderson Job Number:
2150002607



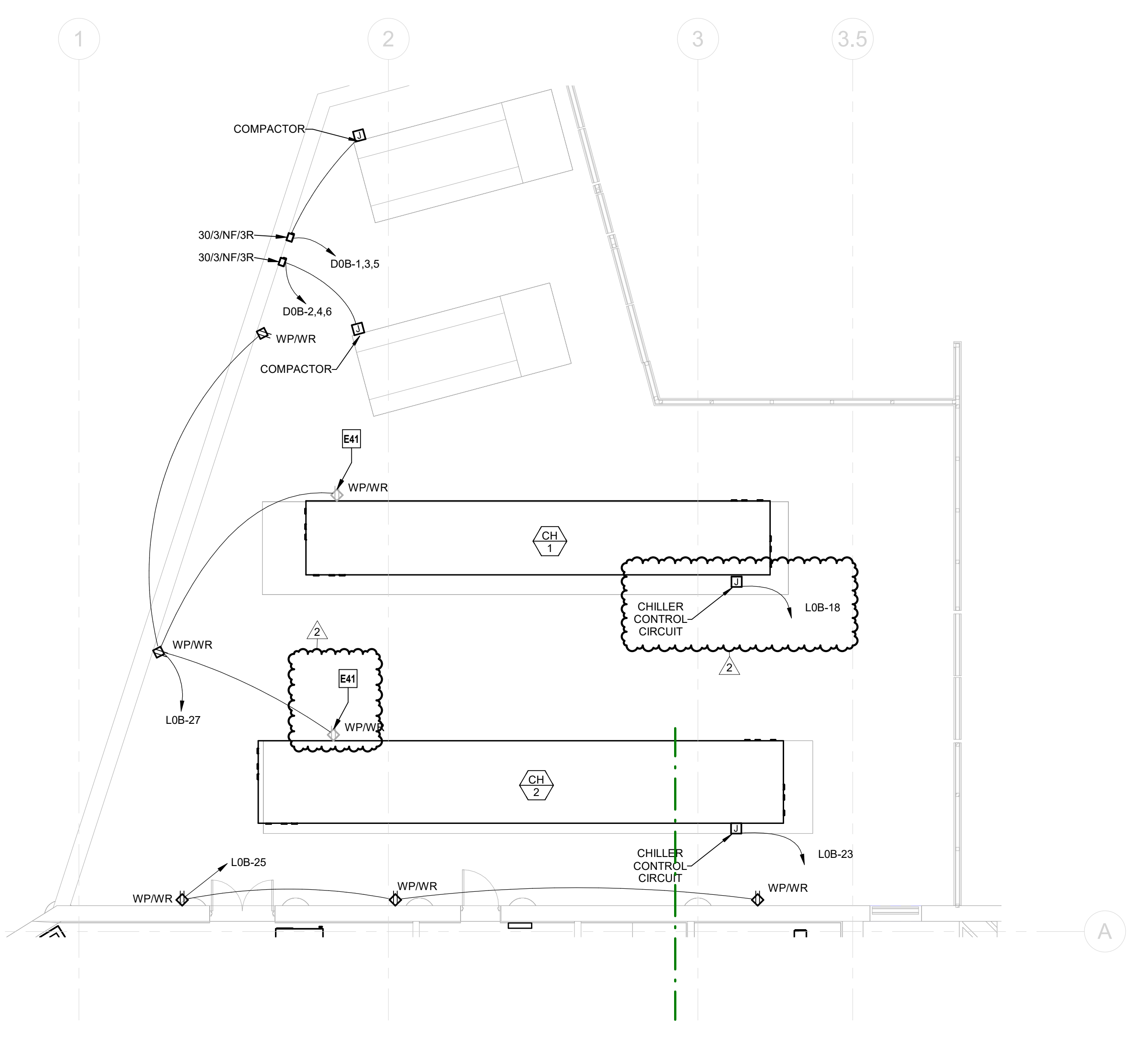
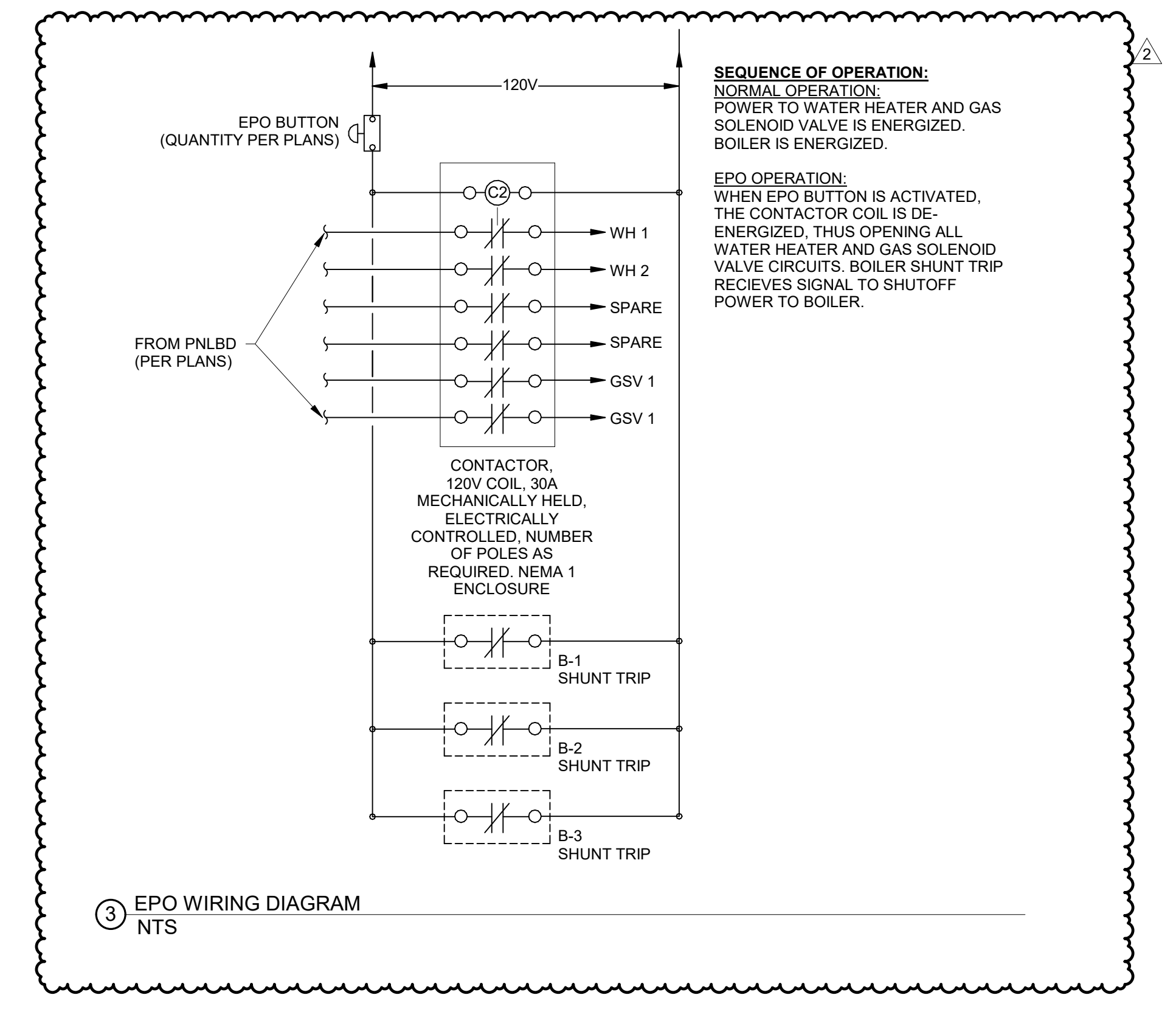
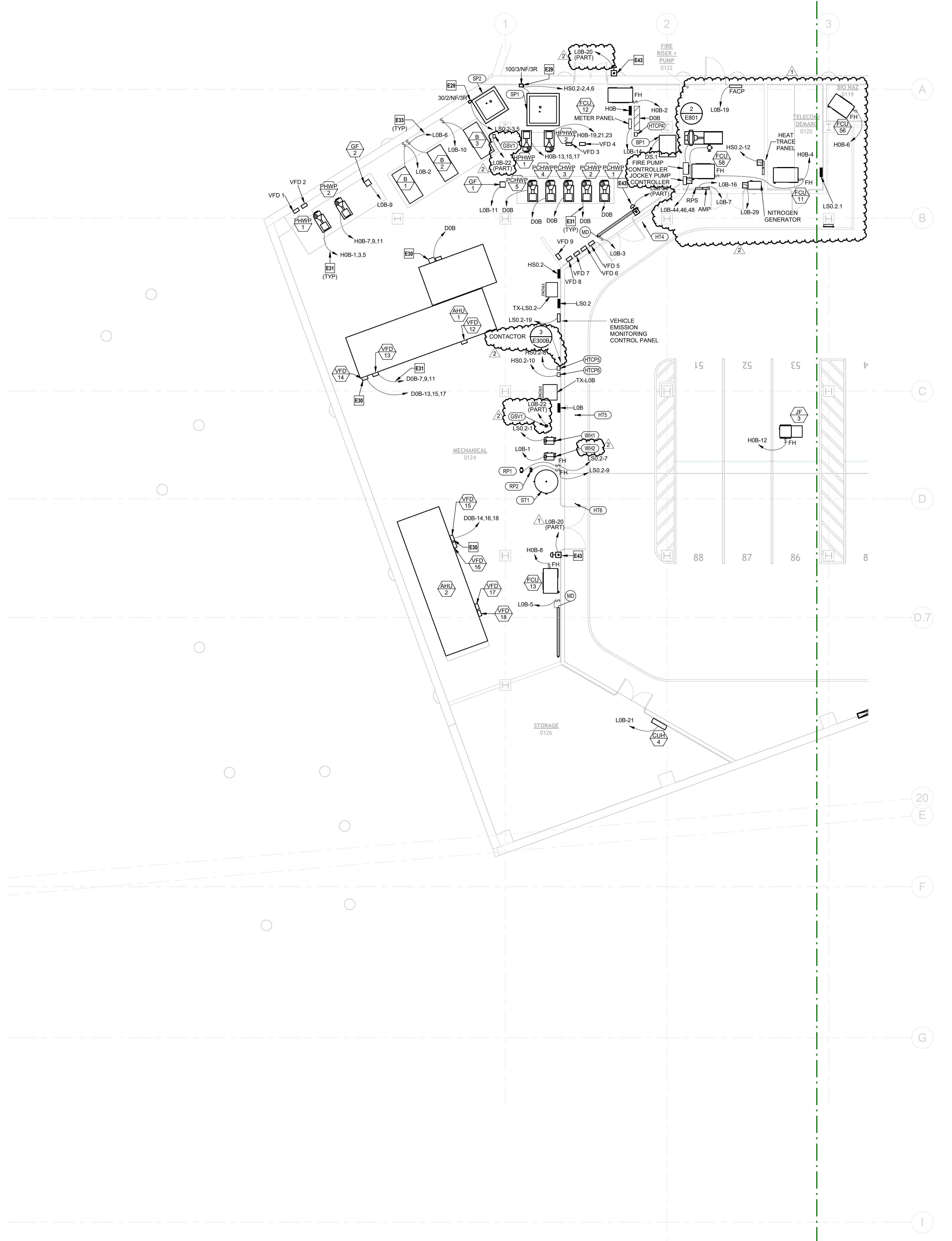
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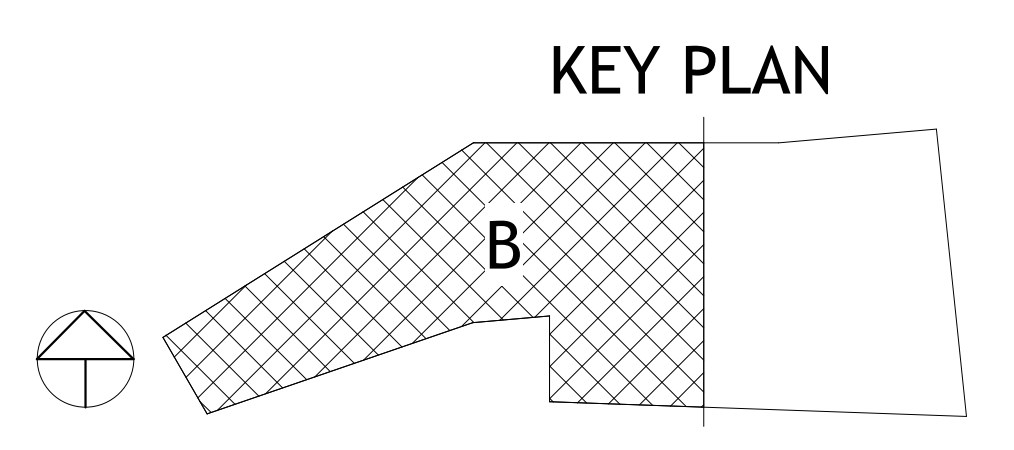
Consents:
EQUIPMENT CONNECTION - LEVEL 0 PLAN - AREA B

- 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.



② EQUIPMENT CONNECTION - LEVEL 0 PLAN - SERVICE YARD
1/8" = 1'-0"

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

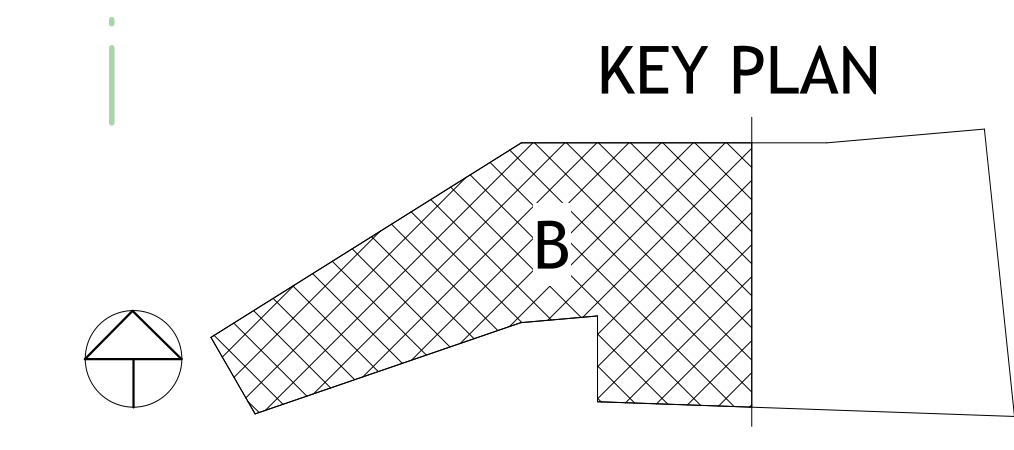


ELECTRICAL PLAN NOTES:

- 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.
- 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.

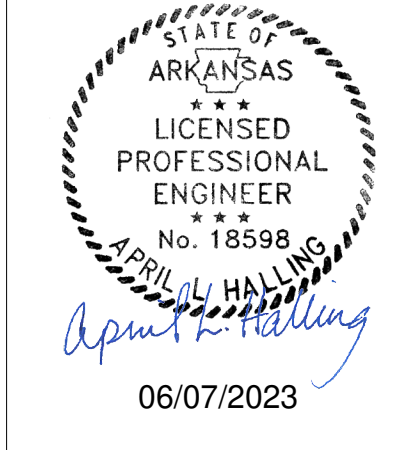


1 EQUIPMENT CONNECTION - LEVEL 1 PLAN - AREA B
1/8" = 1'-0"



PSW Job Number:
993A

Henderson Job Number:
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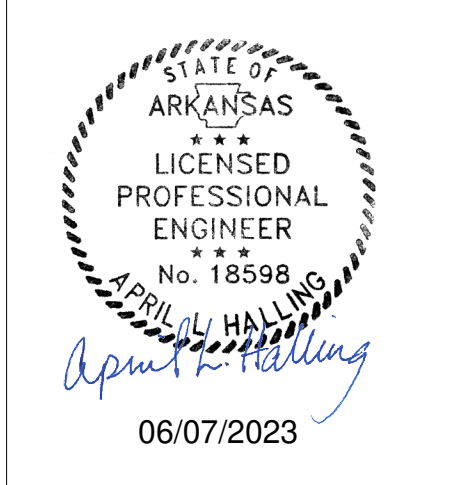


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Contents:
EQUIPMENT CONNECTION - LEVEL 1 PLAN - AREA B



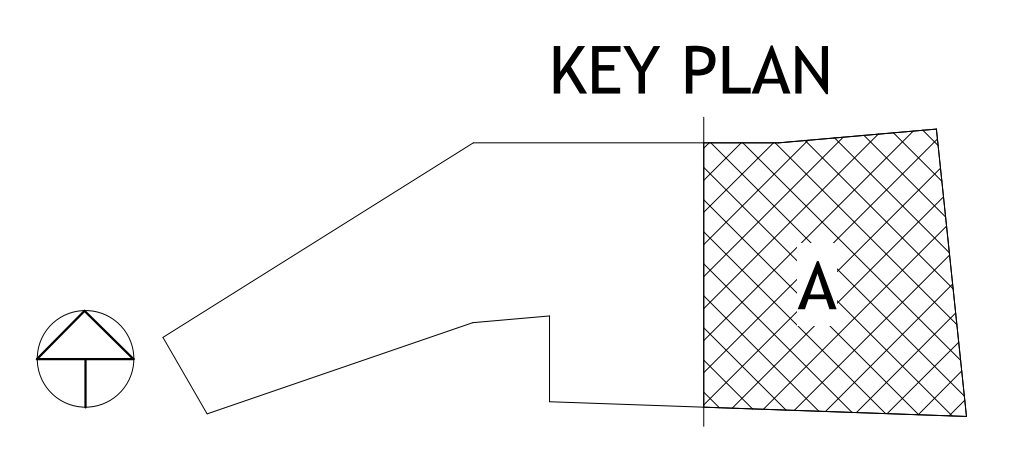
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Contents:
EQUIPMENT CONNECTION - LEVEL 2 PLAN - AREA A

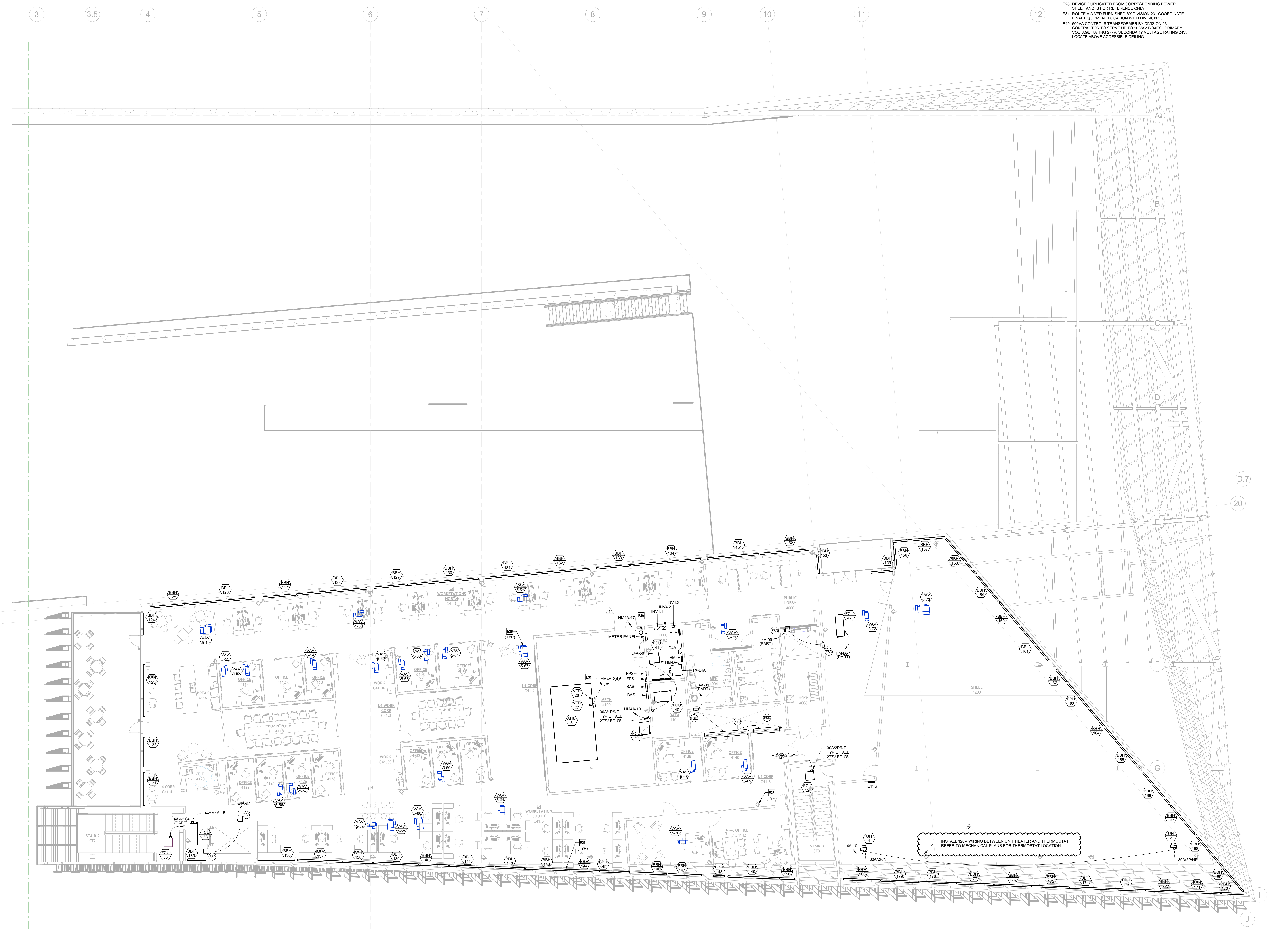
- ELECTRICAL PLAN NOTES:**
- E26 VAV BOX PROVIDED WITH INTEGRAL DISCONNECTING MEANS. VAV BOX REMOTE CONTROL TRANSFORMERS TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
 - E27 BASEBOARD WALL HEATERS CONTROL CIRCUIT TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
 - E28 DEVICE DUPLICATED FROM CORRESPONDING POWER SHEET AND IS FOR REFERENCE ONLY.
 - E31 ROUTE VIA VFD FURNISHED BY DIVISION 23. COORDINATE FINAL EQUIPMENT LOCATION WITH DIVISION 23.
 - E34 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.



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

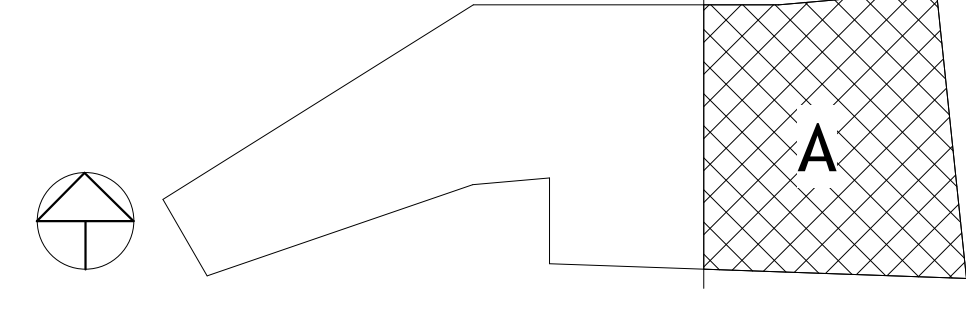


- ELECTRICAL PLAN NOTES:**
- E26 VAV BOX PROVIDED WITH INTEGRAL DISCONNECTING MEANS. VAV BOX REMOTE CONTROL TRANSFORMERS TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
 - E27 BASEBOARD WALL HEATERS CONTROL CIRCUIT TO BE POWERED VIA 24V LOCAL BAS CONTROL PANEL.
 - E28 DEVICE DUPLICATED FROM CORRESPONDING POWER SHEET AND IS FOR REFERENCE ONLY.
 - 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.



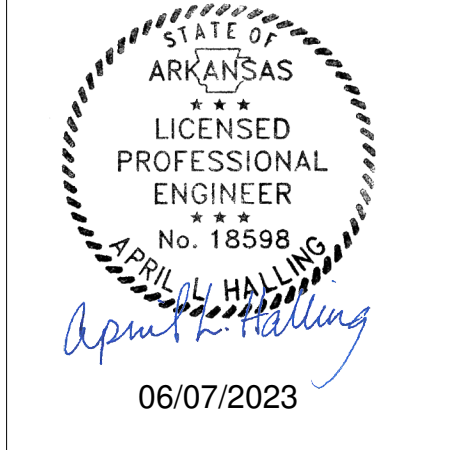
1 EQUIPMENT CONNECTION - LEVEL 4 PLAN - AREA A
1/8" = 1'-0"

KEY PLAN



PSW Job Number:
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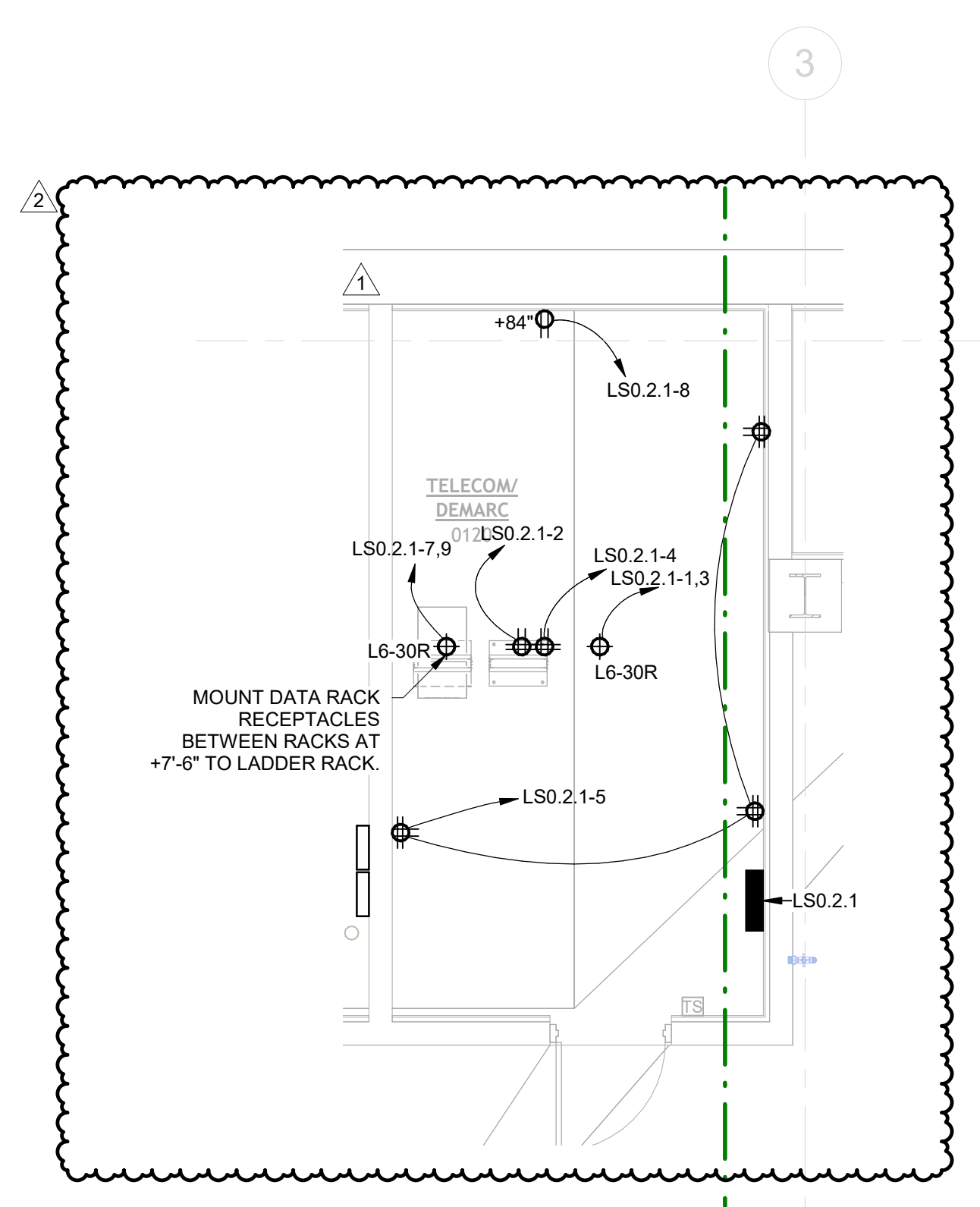
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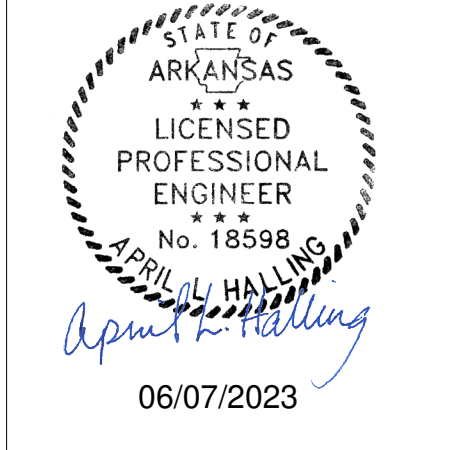
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Consents:
EQUIPMENT CONNECTION - LEVEL 4 PLAN - AREA A



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| CHARGING PEDESTAL SCHEDULE | | | |
|----------------------------|------------------|----------------|--|
| UNIT TYPE | MANUFACTURER | MODEL | DESCRIPTION |
| EV | LEVITON | EVR-GREEN 4000 | LEVEL 2 ELECTRIC VEHICLE CHARGING PEDESTAL BUAL PORT FLOOR MOUNTED PEDESTAL SUITABLE FOR CHARGING TWO VEHICLES. |
| H | PECOO-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 SPECIFIED BY MANUFACTURER. |
| | 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 TYS00 FOR ADDITIONAL INFORMATION. |
| | LEGRAND-WIREMOLD | XGSP2BRURBK | 2-GANG POWER PEDESTAL WITH 1 20AMP WIRGFCI 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.

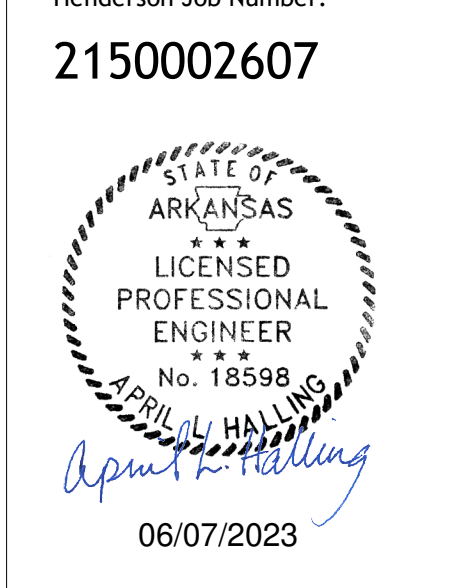
| CORD REEL SCHEDULE | | | |
|--------------------|--------------|-------------------|--|
| UNIT TYPE | Manufacturer | Model | Description |
| CR1 | HUBBELL | HREACH INDUSTRIAL | WHITE CORD REEL. PROVIDE WITH 20AMP 120V GFCI PROTECTED RECEPTACLE. |
| CR2 | HUBBELL | HREACH INDUSTRIAL | WHITE CORD REEL WITH PLENUM RATED RECESSED CEILING BOX. PROVIDE WITH 20AMP 120V GFCI PROTECTED RECEPTACLE. |

| 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 | | 276 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 | | 168 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 | | 109 VA | 277 | 125 | H1B1 |
| INV1.9 | MYERS | LVM-125 | | 80 VA | 277 | 125 | H1B1 |
| INV1.10 | MYERS | LV2-R | BIKE GROTTO EMERGENCY | 226 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 | 71 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 | H0B |
| INV2.5 | MYERS | LVM-125 | LEVEL 2 EXTERIOR CAFE SOFFIT | 20 VA | 277 | 125 | H2A |
| INV2.6 | MYERS | LVM-125 | | 106 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 | H2B |
| 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 | | 246 VA | 277 | 350 | H3A |
| INV3.2 | MYERS | LV2-R | | 236 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 | | 136 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 1N LAY-IN GRID CEILING | 53 VA | 277 | 110 | H3A |
| INV3.10 | MYERS | LV2-R | LEVEL 2-3 STAIR HANDRAIL EGRESS | 331 VA | 277 | 350 | H3B |
| INV4.1 | MYERS | LV2-R | | 273 VA | 277 | 350 | H4A |
| 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 |

| 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 | RF82E | 2-GANG FLOOR BOX WITH QTY (1) DUPLEX - TYPE AS INDICATED ON PLAN. |

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 OUTLETS |
| 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 | RF82E | 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 |



06/07/2023

| REVISIONS | | |
|-----------|----------|-------------|
| NUMBER | DATE | DESCRIPTION |
| 1 | 03/10/23 | Addendum 1 |
| 2 | 06/29/23 | Addendum 2 |

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 19 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. 50MA SINK. LOAD: 120V/800W, 277V/1200W. AUTO ON TO 50%. | MAJOR 37 x 37 MINOR 19 x 20' | 120 277 | |
| STAND-ALONE LOW-VOLTAGE SWITCHES | | | | | |
| SL1 | LUTRON M5C-A8-277 | 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 28 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 28 x 25' | 24 | |
| 4 | LUTRON XXX | JBOX MOUNT PASSIVE INFRARED OCCUPANCY SENSOR - EXTERIOR. 360 DEGREE COVERAGE. LOW-VOLTAGE. IP66 WATER TIGHT. LOW HIGH TEMPERATURE RATED. 0-10VDC. | PIR MAJOR 32 0 PIR MINOR 15 0 | 24 | |
| 5 | LUTRON LOS-WP4WH | WALL MOUNT PASSIVE INFRARED OCCUPANCY SENSOR. 90 DEGREE COVERAGE. DIGITAL. (1) RJ45 PORT. | MAJOR 47 0 MINOR 19 0 | 24 | |
| 6 | LUTRON LUT-WSPM24V-360-4WH-CPH111 | HIGH BAY CEILING MOUNT PASSIVE INFRARED OCCUPANCY SENSOR. 360 DEGREE COVERAGE. | PIR MAJOR 57 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-CO-DMX | DMX CONTROL INTERFACE. | | | |
| ESN | LUTRON QSN2-4720-S | DIGITAL ROOM CONTROLLER FOR ON/OFF/0-10V 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 QSW52-3BR1J | DIGITAL SWITCH FOR MANUAL ON/OFF/DIMMING CONTROL. THREE BUTTONS PLUS RAISE/LOWER BUTTONS. CONTROLS TWO LIGHTING ZONES INDEPENDENTLY. | | 24 | |
| L3 | LUTRON QSW52-5BR1J | DIGITAL SWITCH FOR MANUAL ON/OFF/DIMMING CONTROL. FIVE BUTTONS PLUS RAISE/LOWER BUTTONS. CONTROLS UP TO 1 LIGHTING ZONES INDEPENDENTLY. | | 24 | |
| LK | LUTRON QS KEY SWITCH QSW52-3DMC | 3-POSITION MOMENTARY CONTACT LOCAL OVERRIDE ON SWITCH. | | 24 | |
| L4 | LUTRON QSW52-2BR1J | DIGITAL SWITCH FOR MANUAL ON/OFF/DIMMING CONTROL. TWO BUTTONS PLUS RAISE/LOWER BUTTONS. CONTROLS ONE LIGHTING ZONE. | | | |

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 daily or when photocell registers lighting levels lower than 1500c, 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 editable 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 [2] 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 [2] 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 (2s7) ceiling lights when exterior light level exceeds 30%.
2. Nighttime Controls
a. Photocell shall turn off control zone (2s7) ceiling lights when exterior light level is less than 30%.
3. Control zones (2s8) and (2s16) shall remain on at all times.
4. Control zone (2s16) shall have remote RGBW control interface with multiple programmable scenes.
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.

SITE CONTROL SCHEDULE

| RELAY CONTROL ZONE | RELAY ZONE DESCRIPTION | LIGHT FIXTURE TYPES |
|--------------------|--|---------------------|
| 2s1 | 2s1 ALLEE GROUND "TURTLE" LIGHTS | SG2 |
| 2s2 | 2s2 FIRELANE POLE LIGHTS | SP3 |
| 2s3 | 2s3 EAST SITE BOLLARD LIGHTS | SB1 |
| 2s4 | 2s4 NORTH SITE BOLLARD LIGHTS | SB1 |
| 2s5 | 2s5 SOUTH SITE BOLLARD LIGHTS | SB1 |
| 2s6 | 2s6 SOUTH SITE POLE LIGHTS | SP3 |
| 2s7 | 2s7 WEST SITE BOLLARD LIGHTS | SB1 |
| 2s8 | 2s8 BIKE GROTTO CEILING LIGHTS - UL 924 EM SHUNT TRIP | SD1/SD1X |
| 2s9 | 2s9 BIKE GROTTO FLOOR LINEAR LIGHTS | SGL1 |
| 2s10 | 2s10 BOARDWALK GROUND "TURTLE" LIGHTS | SG2 |
| 2s11 | 2s11 BOARDWALK GROUND ENTRY/UTILITY YARD WALLPACKS | SW1 |
| 2s12 | 2s12 SOUTH SITE BOARDWALK LANDSCAPE LIGHTS | SG5 |
| 2s13 | 2s13 NORTH SITE LANDSCAPE LIGHTS | SG5 |
| 2s14 | 2s14 EAST SITE ALLEE LANDSCAPE LIGHTS | SG1 |
| 2s15 | 2s15 OUTDOOR CLASSROOM POLE LIGHTS | SP3 |
| 2s16 | 2s16 PARKING LOT SITE POLE LIGHTS | SP1 |
| 2s17 | 2s17 PARKING LOT SITE POLE LIGHTS | SP2 |
| 2s18 | 2s18 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL3 |
| 2s19 | 2s19 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s20 | 2s20 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s21 | 2s21 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s22 | 2s22 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s23 | 2s23 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s24 | 2s24 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s25 | 2s25 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s26 | 2s26 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s27 | 2s27 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s28 | 2s28 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s29 | 2s29 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s30 | 2s30 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s31 | 2s31 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s32 | 2s32 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s33 | 2s33 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s34 | 2s34 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s35 | 2s35 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s36 | 2s36 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s37 | 2s37 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s38 | 2s38 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s39 | 2s39 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s40 | 2s40 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s41 | 2s41 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s42 | 2s42 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s43 | 2s43 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s44 | 2s44 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s45 | 2s45 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s46 | 2s46 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s47 | 2s47 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s48 | 2s48 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s49 | 2s49 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s50 | 2s50 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s51 | 2s51 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s52 | 2s52 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s53 | 2s53 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s54 | 2s54 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s55 | 2s55 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s56 | 2s56 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s57 | 2s57 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s58 | 2s58 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s59 | 2s59 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s60 | 2s60 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s61 | 2s61 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s62 | 2s62 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s63 | 2s63 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s64 | 2s64 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s65 | 2s65 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s66 | 2s66 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s67 | 2s67 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s68 | 2s68 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s69 | 2s69 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s70 | 2s70 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s71 | 2s71 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s72 | 2s72 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s73 | 2s73 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s74 | 2s74 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s75 | 2s75 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s76 | 2s76 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s77 | 2s77 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s78 | 2s78 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s79 | 2s79 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s80 | 2s80 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s81 | 2s81 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s82 | 2s82 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s83 | 2s83 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s84 | 2s84 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s85 | 2s85 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s86 | 2s86 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s87 | 2s87 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s88 | 2s88 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s89 | 2s89 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s90 | 2s90 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s91 | 2s91 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s92 | 2s92 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s93 | 2s93 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s94 | 2s94 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s95 | 2s95 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s96 | 2s96 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s97 | 2s97 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s98 | 2s98 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s99 | 2s99 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |
| 2s100 | 2s100 BIKE GROTTO COVE LINEAR LIGHTS-COLOR CHANGING DMX CONTROLS | SGL4 |

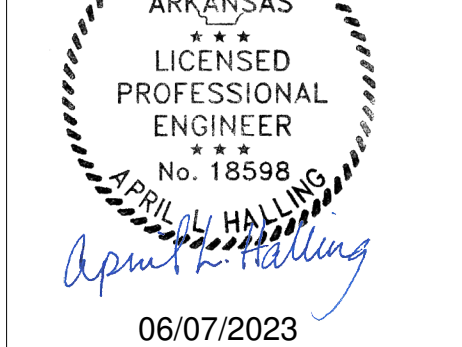
SITE CONTROL SCHEDULE-ROOF

| RELAY CONTROL ZONE | RELAY ZONE DESCRIPTION | LIGHT FIXTURE TYPES |
|--------------------|---|---------------------|
| 2r12 | 2r12 ROOFTOP BOLLARD LIGHTS | SB1 |
| 2r12 | 2r12 ROOFTOP BOLLARD LIGHTS | SB4 |
| 2r12 | 2r12 ROOFTOP BENCH LIGHTS | SD1/SD1X |
| 2r12 | 2r12 ROOFTOP POLE LIGHTS | S11 |
| 2r12 | 2r12 ROOFTOP POLE LIGHTS | SP3 |
| 2r12 | 2r12 ROOFTOP STEP LIGHTS | ST1 |
| 2r13 | 2r13 ROOFTOP LANDSCAPE LIGHTS | SG5 |
| 2r14 | 2r14 AMPHITHEATER BOLLARD LIGHTS | SB4 |
| 2r14 | 2r14 AMPHITHEATER ILLUMINATED HANDRAILS | SH |
| 2r14 | 2r14 AMPHITHEATER ILLUMINATED HANDRAILS EMERGENCY | SHX |
| 2r14 | 2r14 AMPHITHEATER BENCH LIGHTS | S11 |
| 2r14 | 2r14 AMPHITHEATER BENCH LIGHTS | SP3 |
| 2r15 | 2r15 3RD FLOOR PLAZA BOLLARDS | SB4 |
| 2r15 | 2r15 3RD FLOOR PLAZA HANDRAILS | SH |
| 2r15 | 2r15 3RD FLOOR PLAZA HANDRAILS EMERGENCY | SHX |
| 2r16 | 2r16 AMPHITHEATER LANDSCAPE LIGHTS | SG1 |
| 2r16 | 2r16 AMPHITHEATER LANDSCAPE LIGHTS | SG5 |
| 2r16 | 2r16 AMPHITHEATER LANDSCAPE LIGHTS | SG6 |

RELAY CONTROL ZONES 2r1-2r11 PROVIDE CONTROL FOR HOLIDAY RECEPTACLES AND SHALL BE PROVIDED WITH SEPARATE SCHEDULE CONTROL PER SEQUENCE.

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 6" | SDR3/SDR3X |
| se2 | se2 ENTRY DOWNLIGHTS 4" | SDR1 |
| se2 | se2 ENTRY DOWNLIGHTS 2" | SDR2 |
| se2 | se2 ENTRY DOWNLIGHTS 6" | SDR3/SDR3X |
| 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 | | |



06/07/2023

Issue Date:
02.24.2023

REVISIONS table with columns: NUMBER, DATE, DESCRIPTION

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...

Contents:
ELECTRICAL
ONE-LINE
SERVICE A

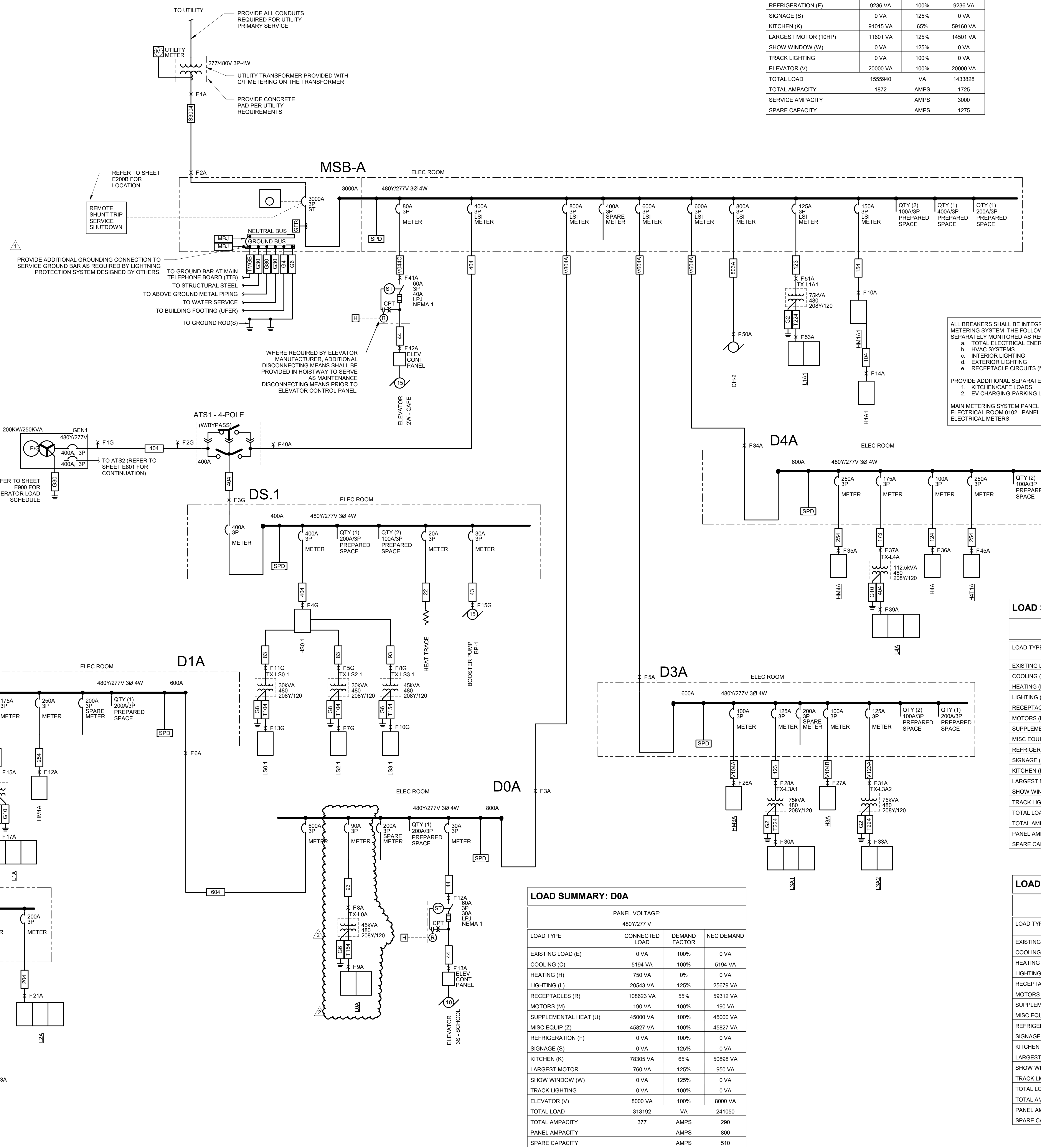
ONE-LINE DIAGRAM GENERAL NOTES:

- 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...

FEEDER TAG FEEDER DESCRIPTION table listing feeders 22 through 110 with their respective descriptions and service voltages.

BUILDING LOAD SUMMARY (MSB-A)

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND. Lists various loads like COOLING, HEATING, LIGHTING, etc.



LOAD SUMMARY: DS.1

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND. Lists loads for DS.1 panel.

LOAD SUMMARY: D1A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND. Lists loads for D1A panel.

LOAD SUMMARY: DL2A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND. Lists loads for DL2A panel.

LOAD SUMMARY: D1A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND. Lists loads for D1A panel.

LOAD SUMMARY: D3A

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND. Lists loads for D3A panel.

1 ELECTRICAL ONE-LINE-A-SOUTH NTS



| REVISIONS | | |
|-----------|-------|-------------|
| NUMBER | DATE | DESCRIPTION |
| 2 | 06/23 | Adoption 2 |

Short-Circuit and Voltage Drop Calculations Version 2.11

Distances are for calculation purposes only and shall not be used for contractor takeoffs not 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:
 $ISC_{(a)} = ISC_{(a)} \times M_a$ M = 1/(1+K) Feeder: $f_{(a)} = \frac{1.732 \times I_a \times L_{fc}}{C \times E}$ XFMR: $f_{(a)} = \frac{I_a \times (R_{sc} \times V_o \times 1.732 \times \sqrt{3})}{100,000 \times KVA}$ $ISC_{(a)} = \frac{V_o \times M \times E_{sc}}{V_s}$
 $ISC_{(b)}$ = short circuit current at fault point 1 Feeder: $f_{(b)} = \frac{1.732 \times I_b \times L_{fc}}{C \times E}$ XFMR: $f_{(b)} = \frac{I_b \times (R_{sc} \times V_o \times 1.732 \times \sqrt{3})}{100,000 \times KVA}$
 $ISC_{(c)}$ = short circuit current at fault point 2

I_p = Primary short circuit current
 V_p = Primary voltage
 I_S = Secondary short circuit current
 V_S = Secondary voltage
 L = Length of circuit
 C = "C" Factor from Busman table where "C" = 1 / Impedance per linear foot
Feeder Types: NM - Non Magnetic Conduit, M - Magnetic Conduit, FB - Feeder Busway, PB - Plug-In Busway, TX - Transformer

| Fault Point (FP#) | Bus/Feeder Description | Source (Fault Point) | Phase | Source Ioc (amps) | Conduit Type | Material | Feeder Quantity of Parallel Sets and Bus/Phase & Neutral Size | Conductor 'C' | Busway Value | L1 Voltage (V) | Circuit Length (ft) | Load Power Factor (pf) | Circuit Load (Ampereage) | Resistance (R) | Conductor Reactance (X) | Arcs (ft) | Type | Degree Rise | KVA | New Wire Z | Existing X/R | Secondary Voltage | Tap Setting | f | M | Fault Current (amps) | Voltage Drop (V/D) | Cumulative Voltage Drop (V/D) | Fault Point (FP#) | | |
|-------------------|------------------------------|----------------------|-------|-------------------|--------------|----------|---|---------------|--------------|----------------|---------------------|------------------------|--------------------------|----------------|-------------------------|-----------|------|-------------|-----|------------|--------------|-------------------|-------------|---|--------|----------------------|--------------------|-------------------------------|-------------------|---|----|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Source Ioc = 6X Motor Contribution = 36,800 | |
| 1 | Utility Service Point | | | | | | 800 The connected full load motor amps (includes compressors) on the system | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | MBS-B | 1 | 3 | 36,800 | NM | CU | 8 Sets(s) of 500 kcmil | 2678 | | 480 | 130 | 0.9 | 2,400 | 0.00027 | 0.00039 | 0.451027 | | | | | | | | | | 0.681 | 0.63 | 34.049 | -0.58% | -0.58% | 2 |
| 3 | ELEVATOR CLINIC POWER MODULE | 2 | 3 | 34,049 | M | CU | 1 Set(s) of 4 AWG | 3806 | | 480 | 60 | 0.9 | 84 | 0.00010 | 0.00090 | 0.451027 | | | | | | | | | | 1.937 | 0.34 | 11.994 | -0.42% | -1.00% | 3 |
| 5 | FIRE PUMP CONTROLLER (60HP) | 1 | 3 | 36,800 | M | CU | 1 Set(s) of 3 AWG | 4774 | | 480 | 290 | 0.8 | 96 | 0.00020 | 0.00059 | 0.645501 | | | | | | | | | | 6.654 | 0.13 | 4.627 | -2.04% | -2.04% | 5 |
| 8 | TO TX-L0B | 7 | 3 | 21,190 | NM | CU | 1 Set(s) of 3 AWG | 4811 | | 480 | 15 | 0.95 | 55 | 0.00020 | 0.00047 | 0.317500 | | DOE | 150 | 46 | 3.61 | | 208 | | 0.238 | 0.81 | 17.111 | -0.68% | -1.68% | 8 | |
| 9 | TX-L0B | 8 | 3 | 17,111 | TX | | | 480 | | 480 | | | | | | | | | | | | | | | 11.066 | 0.68 | 3.785 | -1.65% | -3.33% | 9 | |
| 11 | H0B | 7 | 3 | 21,190 | NM | CU | 1 Set(s) of 20 AWG | 16073 | | 480 | 70 | 0.85 | 185 | 0.00020 | 0.00041 | 0.554811 | | | | | | | | | | 0.262 | 0.92 | 19.435 | -0.76% | -1.76% | 11 |
| 12 | TO TX-L1B1 | 2 | 3 | 34,049 | M | CU | 1 Set(s) of 20 AWG | 10756 | | 480 | 180 | 0.9 | 138 | 0.00010 | 0.00054 | 0.451027 | | | | | | | | | | 2.066 | 0.33 | 11.441 | -1.05% | -1.58% | 12 |
| 13 | TX-L1B1 | 12 | 3 | 11,141 | TX | | | 480 | | 480 | | | | | | | | | | | | | | | 3.998 | 0.22 | 5.592 | -1.58% | -1.58% | 13 | |
| 14 | L1B1 | 13 | 3 | 3,992 | M | CU | 2 Set(s) of 30 AWG | 12844 | | 480 | 5 | 0.9 | 320 | 0.00079 | 0.00052 | 0.451027 | | DOE | 150 | 112.5 | 4.37 | | 208 | | 0.004 | 1.00 | 3.970 | -0.03% | -0.03% | 14 | |
| 15 | H0B1 | 2 | 3 | 34,049 | M | CU | 1 Set(s) of 11 AWG | 7293 | | 480 | 30 | 0.85 | 100 | 0.00010 | 0.00097 | 0.317500 | | | | | | | | | | 0.905 | 0.66 | 22.618 | -0.18% | -0.77% | 15 |
| 16 | TO TX-L1B | 6 | 3 | 31,770 | M | CU | 1 Set(s) of 20 AWG | 10756 | | 480 | 50 | 0.9 | 138 | 0.00010 | 0.00054 | 0.451027 | | | | | | | | | | 0.533 | 0.65 | 20.724 | -0.28% | -0.94% | 16 |
| 17 | TX-L1B | 16 | 3 | 20,724 | TX | | | 480 | | 480 | | | | | | | | | | | | | | | 6.663 | 0.13 | 4.217 | -0.94% | -1.77% | 17 | |
| 18 | L1B | 17 | 3 | 6,217 | M | CU | 2 Set(s) of 30 AWG | 12844 | | 480 | 5 | 0.9 | 320 | 0.00079 | 0.00052 | 0.451027 | | DOE | 150 | 112.5 | 4.37 | | 208 | | 0.010 | 0.99 | 6.155 | -0.06% | -1.00% | 18 | |
| 19 | D0B | 2 | 3 | 34,049 | M | CU | 2 Set(s) of 30 AWG | 12844 | | 480 | 70 | 0.9 | 320 | 0.00079 | 0.00052 | 0.451027 | | | | | | | | | | 0.335 | 0.75 | 25.509 | -0.38% | -0.96% | 19 |
| 20 | H0B | 6 | 3 | 31,770 | M | CU | 1 Set(s) of 3 AWG | 4774 | | 480 | 15 | 0.85 | 80 | 0.00020 | 0.00059 | 0.317500 | | | | | | | | | | 0.300 | 0.74 | 23.307 | -0.11% | -0.77% | 20 |
| 21 | TO TX-L2B | 19 | 3 | 25,509 | M | CU | 1 Set(s) of 1 AWG | 7293 | | 480 | 70 | 0.9 | 100 | 0.00010 | 0.00097 | 0.451027 | | | | | | | | | | 0.883 | 0.53 | 13.543 | -0.43% | -1.39% | 21 |
| 22 | TX-L2B | 21 | 3 | 13,543 | TX | | | 480 | | 480 | | | | | | | | | | | | | | | | 5.420 | 0.16 | 4.869 | -1.39% | -2.22% | 22 |
| 23 | L2B | 22 | 3 | 4,869 | M | CU | 1 Set(s) of 40 AWG | 15082 | | 480 | 5 | 0.9 | 180 | 0.00083 | 0.00051 | 0.451027 | | DOE | 150 | 75 | 3.61 | | 208 | | 0.013 | 0.99 | 4.804 | -0.06% | -1.45% | 23 | |
| 24 | H0B2 | 2 | 3 | 34,049 | M | CU | 1 Set(s) of 250 kcmil | 16483 | | 480 | 70 | 0.85 | 200 | 0.00054 | 0.00052 | 0.554811 | | | | | | | | | | 0.522 | 0.66 | 22.374 | -0.37% | -0.95% | 24 |
| 25 | H0B | 19 | 3 | 25,509 | M | CU | 1 Set(s) of 3 AWG | 4774 | | 480 | 10 | 0.85 | 80 | 0.00020 | 0.00059 | 0.317500 | | | | | | | | | | 0.193 | 0.84 | 21.985 | -0.07% | -1.03% | 25 |
| 26 | D0B | 2 | 3 | 34,049 | M | CU | 2 Set(s) of 30 AWG | 12844 | | 480 | 88 | 0.85 | 320 | 0.00079 | 0.00052 | 0.554811 | | | | | | | | | | 0.421 | 0.70 | 23.983 | -0.48% | -1.00% | 26 |
| 27 | H0B1 | 6 | 3 | 31,770 | M | CU | 1 Set(s) of 30 AWG | 12844 | | 480 | 20 | 0.85 | 160 | 0.00079 | 0.00052 | 0.554811 | | | | | | | | | | 0.179 | 0.86 | 26.867 | -0.11% | -0.77% | 27 |
| 28 | TO TX-L3B1 | 26 | 3 | 23,983 | M | CU | 1 Set(s) of 3 AWG | 4774 | | 480 | 15 | 0.9 | 84 | 0.00020 | 0.00059 | 0.451027 | | | | | | | | | | 0.272 | 0.72 | 18.843 | -0.07% | -1.13% | 28 |
| 29 | TX-L3B1 | 28 | 3 | 18,843 | TX | | | 480 | | 480 | | | | | | | | | | | | | | | | 12.219 | 0.08 | 3.290 | -1.13% | -2.29% | 29 |
| 30 | L3B1 | 29 | 3 | 3,290 | M | CU | 1 Set(s) of 10 AWG | 8625 | | 480 | 5 | 0.8 | 125 | 0.00010 | 0.00055 | 0.451027 | | DOE | 150 | 45 | 3.61 | | 208 | | 0.015 | 0.98 | 3.240 | -0.07% | -1.20% | 30 | |
| 31 | TO TX-L3B2 | 26 | 3 | 23,983 | M | CU | 1 Set(s) of 3 AWG | 4774 | | 480 | 120 | 0.9 | 84 | 0.00020 | 0.00059 | 0.451027 | | | | | | | | | | 2.173 | 0.32 | 7.551 | -0.59% | -1.66% | 31 |
| 32 | TX-L3B2 | 31 | 3 | 7,551 | TX | | | 480 | | 480 | | | | | | | | | | | | | | | | 4.897 | 0.17 | 2.955 | -1.66% | -1.66% | 32 |
| 33 | L3B2 | 32 | 3 | 2,955 | M | CU | 1 Set(s) of 10 AWG | 8625 | | 480 | 5 | 0.9 | 125 | 0.00010 | 0.00055 | 0.451027 | | DOE | 150 | 45 | 3.61 | | 208 | | 0.014 | 0.99 | 2.915 | -0.07% | -1.75% | 33 | |
| 34 | H0B3 | 26 | 3 | 23,983 | M | CU | 1 Set(s) of 30 AWG | 12844 | | 480 | 10 | 0.85 | 160 | 0.00079 | 0.00052 | 0.554811 | | | | | | | | | | 0.067 | 0.94 | 22.451 | -0.05% | -1.12% | 34 |
| 35 | H0B2 | 2 | 3 | 34,049 | NM | CU | 2 Set(s) of 30 AWG | 13923 | | 480 | 80 | 0.9 | 320 | 0.00077 | 0.00042 | 0.451027 | | | | | | | | | | 0.353 | 0.74 | 25.166 | -0.40% | -0.99% | 35 |
| 37 | TO TX-L0B2 | 36 | 3 | 25,166 | M | CU | 1 Set(s) of 20 AWG | 10756 | | 480 | 5 | 0.9 | 320 | 0.00010 | 0.00054 | 0.451027 | | | | | | | | | | 0.042 | 0.96 | 24.146 | -0.07% | -1.05% | 37 |
| 38 | TX-L0B2 | 37 | 3 | 24,146 | TX | | | 480 | | 480 | | | | | | | | | | | | | | | | 7.798 | 0.11 | 6.934 | -1.05% | -1.05% | 38 |
| 39 | L0B2 | 38 | 3 | 6,934 | M | CU | 2 Set(s) of 30 AWG | 12844 | | 480 | 10 | 0.9 | 320 | 0.00079 | 0.00052 | 0.451027 | | | | | | | | | | 0.021 | 0.98 | 6.236 | -0.12% | -1.18% | 39 |
| 40 | L10 | 39 | 3 | 6,206 | M | CU | 1 Set(s) of 10 AWG | 8625 | | 480 | 10 | 0.9 | 320 | 0.00010 | 0.00055 | 0.451027 | | | | | | | | | | 0.024 | 0.98 | 3.600 | -0.37% | -0.55% | 40 |
| 41 | L10 | 39 | 3 | 6,206 | M | CU | 1 Set(s) of 10 AWG | 8625 | | 480 | 10 | 0.9 | 320 | 0.00010 | 0.00055 | | | | | | | | | | | | | | | | |

PANELBOARD: L0A (NEW)

BUS AMPS: 25A
MAIN SIZE/TYPE: 150A MCB
VOLTS/PHASE: 208Y/120 V 3PHW
SUPPLIED BY: D3A VIA TX-L3A

FAULT CURRENT: 6.314
AIC RATED: FULLY RATED
AC RATING: FCA +10% MINIMUM
SERVICES: PARKING GARAGE SURFACE
MOUNTING: SURFACE
LOCATION: MECH/ELEC 0114

METER CATEGORY: RECEPTABLES

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

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

PANELBOARD: L1A (NEW)

BUS AMPS: 400A
MAIN SIZE/TYPE: 400A MCB
VOLTS/PHASE: 208Y/120 V 3PHW
SUPPLIED BY: D1A VIA TX-L1A

FAULT CURRENT: 6.224
AIC RATED: FULLY RATED
AC RATING: FCA +10% MINIMUM
SERVICES: 1ST FLOOR SURFACE
MOUNTING: SURFACE
LOCATION: ELEC 1022

METER CATEGORY: RECEPTABLE-MISCELLANEOUS CIRCUITS

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

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

PANELBOARD: L2A (NEW)

BUS AMPS: 200A
MAIN SIZE/TYPE: 25A MCB
VOLTS/PHASE: 208Y/120 V 3PHW
SUPPLIED BY: D2A VIA TX-L2A

FAULT CURRENT: 9.718
AIC RATED: FULLY RATED
AC RATING: FCA +10% MINIMUM
SERVICES: 2ND FLOOR SURFACE
MOUNTING: SURFACE
LOCATION: ELEC 2208

METER CATEGORY: RECEPTABLE-MISCELLANEOUS CIRCUITS

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

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

PANELBOARD: L3A2 (NEW)

BUS AMPS: 225A
MAIN SIZE/TYPE: 25A MCB
VOLTS/PHASE: 208Y/120 V 3PHW
SUPPLIED BY: D3A VIA TX-L3A2

FAULT CURRENT: 4.767
AIC RATED: FULLY RATED
AC RATING: FCA +10% MINIMUM
SERVICES: 3RD FLOOR SURFACE
MOUNTING: SURFACE
LOCATION: ELEC 3218

METER CATEGORY: RECEPTABLE-MISCELLANEOUS CIRCUITS

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

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

PANELBOARD: L1A (NEW)

BUS AMPS: 400A
MAIN SIZE/TYPE: 400A MCB
VOLTS/PHASE: 208Y/120 V 3PHW
SUPPLIED BY: D1A VIA TX-L1A

FAULT CURRENT: 6.224
AIC RATED: FULLY RATED
AC RATING: FCA +10% MINIMUM
SERVICES: 1ST FLOOR SURFACE
MOUNTING: SURFACE
LOCATION: ELEC 1022

METER CATEGORY: RECEPTABLE-MISCELLANEOUS CIRCUITS

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

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

PANELBOARD: L2A (NEW)

BUS AMPS: 200A
MAIN SIZE/TYPE: 25A MCB
VOLTS/PHASE: 208Y/120 V 3PHW
SUPPLIED BY: D2A VIA TX-L2A

FAULT CURRENT: 9.718
AIC RATED: FULLY RATED
AC RATING: FCA +10% MINIMUM
SERVICES: 2ND FLOOR SURFACE
MOUNTING: SURFACE
LOCATION: ELEC 2208

METER CATEGORY: RECEPTABLE-MISCELLANEOUS CIRCUITS

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

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

PANELBOARD: L3A1 (NEW)

BUS AMPS: 225A
MAIN SIZE/TYPE: 25A MCB
VOLTS/PHASE: 208Y/120 V 3PHW
SUPPLIED BY: D3A VIA TX-L3A1

FAULT CURRENT: 4.767
AIC RATED: FULLY RATED
AC RATING: FCA +10% MINIMUM
SERVICES: 3RD FLOOR SURFACE
MOUNTING: SURFACE
LOCATION: ELEC 3100

METER CATEGORY: RECEPTABLE-MISCELLANEOUS CIRCUITS

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

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

PANELBOARD: L4A (NEW)

BUS AMPS: 400A
MAIN SIZE/TYPE: 400A MCB
VOLTS/PHASE: 208Y/120 V 3PHW
SUPPLIED BY: D4A VIA TX-L4A

FAULT CURRENT: 6.193
AIC RATED: FULLY RATED
AC RATING: FCA +10% MINIMUM
SERVICES: 4TH FLOOR SURFACE
MOUNTING: SURFACE
LOCATION: ELEC 4102

METER CATEGORY: RECEPTABLE-MISCELLANEOUS CIRCUITS

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

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

PANELBOARD: L0A (NEW)

BUS AMPS: 25A
MAIN SIZE/TYPE: 150A MCB
VOLTS/PHASE: 208Y/120 V 3PHW
SUPPLIED BY: D3A VIA TX-L3A2

FAULT CURRENT: 4.767
AIC RATED: FULLY RATED
AC RATING: FCA +10% MINIMUM
SERVICES: 3RD FLOOR SURFACE
MOUNTING: SURFACE
LOCATION: ELEC 3218

METER CATEGORY: RECEPTABLE-MISCELLANEOUS CIRCUITS

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

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

PANELBOARD: L1A (NEW)

BUS AMPS: 400A
MAIN SIZE/TYPE: 400A MCB
VOLTS/PHASE: 208Y/120 V 3PHW
SUPPLIED BY: D4A VIA TX-L4A

FAULT CURRENT: 6.193
AIC RATED: FULLY RATED
AC RATING: FCA +10% MINIMUM
SERVICES: 4TH FLOOR SURFACE
MOUNTING: SURFACE
LOCATION: ELEC 4102

METER CATEGORY: RECEPTABLE-MISCELLANEOUS CIRCUITS

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

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

PANELBOARD: L2A (NEW)

BUS AMPS: 200A
MAIN SIZE/TYPE: 25A MCB
VOLTS/PHASE: 208Y/120 V 3PHW
SUPPLIED BY: D2A VIA TX-L2A

FAULT CURRENT: 9.718
AIC RATED: FULLY RATED
AC RATING: FCA +10% MINIMUM
SERVICES: 2ND FLOOR SURFACE
MOUNTING: SURFACE
LOCATION: ELEC 2208

METER CATEGORY: RECEPTABLE-MISCELLANEOUS CIRCUITS

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

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

PANELBOARD: L3A2 (NEW)

BUS AMPS: 225A
MAIN SIZE/TYPE: 25A MCB
VOLTS/PHASE: 208Y/120 V 3PHW
SUPPLIED BY: D3A VIA TX-L3A2

FAULT CURRENT: 4.767
AIC RATED: FULLY RATED
AC RATING: FCA +10% MINIMUM
SERVICES: 3RD FLOOR SURFACE
MOUNTING: SURFACE
LOCATION: ELEC 3218

METER CATEGORY: RECEPTABLE-MISCELLANEOUS CIRCUITS

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

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



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1501 E. STANLEY ST.
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P: 479.451.2222

MEPF - LOW VOLTAGE
Henderson Engineers
1310 LENOVA DRIVE, STE 300
LENSA, MS 39214
P: 313.660.9187

SUSTAINABILITY
224 SOUTH MICHIGAN AVENUE
CHICAGO, IL 60604
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SIGNAGE - WAYFINDING
210 TWELVE
238 W. 34TH STREET, SUITE 802
NEW YORK, NY 10001
P: 212.254.9870

FOOD SERVICE
JMC HOSPITALITY
896 S. PEGAS DR., SUITE 210
THE WOODLANDS, TX 77380
P: 689.841.2222

WATER FEATURES
OTL
2150 S. TOWNE CENTER, SUITE 100
ANN ARBOR, MI 48106
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IRRIGATION
W3 DESIGN
114 ROBERTSON MANOR BLVD.
MOORESCO, PA 15105
P: 844.231.1042

PSW Job Number:
993A
Henderson Job Number:
2150002607



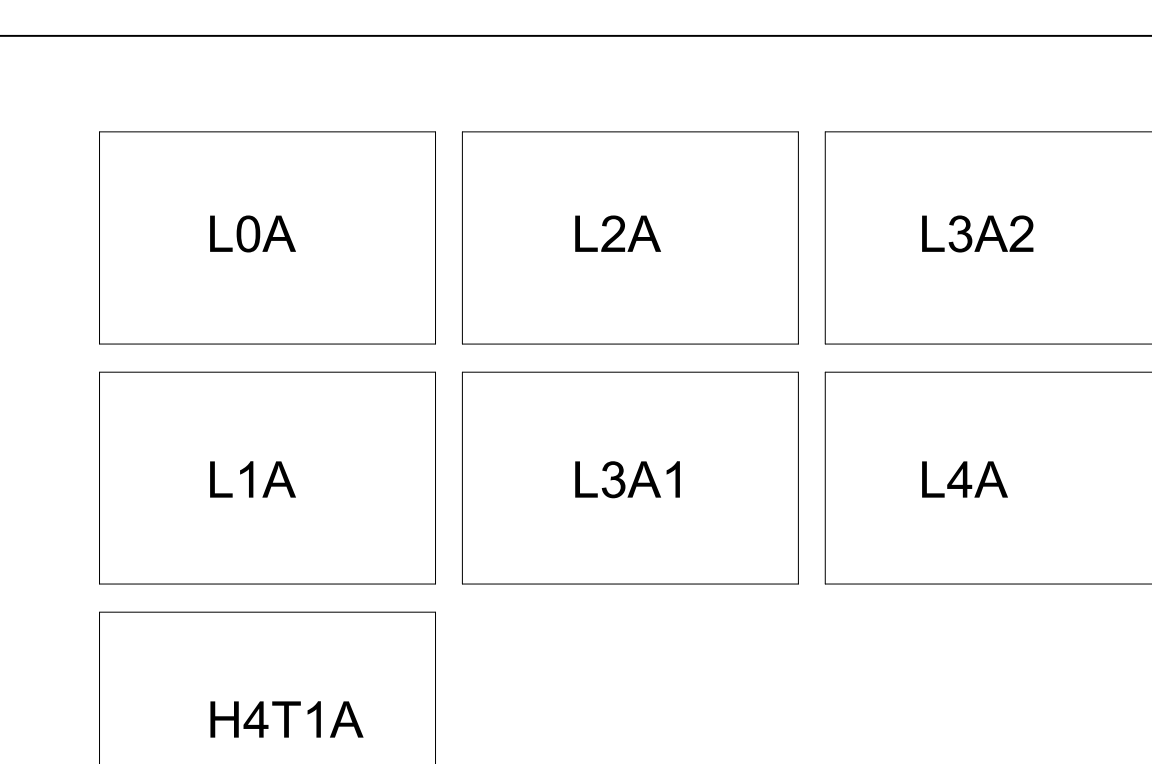
06/07/2023
AWSON
Bentonville, AR

Issue Date:
02.24.2023

Table with columns: NUMBER, DATE, DESCRIPTION

Contents:
PANELBOARD
SCHEDULES -
SERVICE A

REFER TO SHEET E103 FOR PANELBOARD ABBREVIATION LEGEND



E904

| PANELBOARD: LS0.1 (NEW) | | | | | | | | | | EQUIPMENT GROUND BUS | | | | | | | | | | | | | | | | | |
|---|------------------------------------|-----------|---------|--------------------------|-------|-------|-------|-------|------------|--|------|-------------|-------------------------|-------------------|-----------|-------|-----------|-------|-------|-------|-------|------------|-------|------|-------------|---------|--|
| BUS AMPS: 100A MAIN SIZE/TYPE: 100A MCB VOLTS/PHASE: 208Y/120 V 3P/4W SUPPLIED BY: HS0.1 VIA TXLS0.1 | | | | | | | | | | FAULT CURRENT: 3,079 AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVICES: STANDBY LOADS SOUTH MOUNTING: SURFACE LOCATION: MECH ELEC 0114 | | | | | | | | | | | | | | | | | |
| METER CATEGORY: HVAC SYSTEMS | | | | | | | | | | METER CATEGORY: HVAC SYSTEMS | | | | | | | | | | | | | | | | | |
| LINE-SIDE LUGS: MECHANICAL | | | | | | | | | | 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. | DESCRIPTION | LOAD TYPE | NOTES | WIRE SIZE | BKR P | PHASE | PHASE | PHASE | P BKR WIRE | NOTES | LOAD | DESCRIPTION | CKT NO. | |
| 1 | RCPPT-SB1 T1230 CRASH CART | R | VD | 10 | 20 | 1 | 1000 | 1176 | 1 | 20 | 12 | M | ELEVATOR SUMP PUMP ESP3 | 2 | | | | | | | | | | | | | |
| 3 | RCPPT-SB1 T1230 CRASH CART | R | VD | 10 | 20 | 1 | | | | | | M | SUMP PUMP SP3 | 4 | | | | | | | | | | | | | |
| 5 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | SPARE | | | | | | 0 | 180 | | | | | | | | | | | | | | | | | | | |
| 9 | RCPPT-MAIN ELEC CAMERA SENSOR UNIT | R | | 12 | 20 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 11 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | |
| 15 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | |
| 19 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | |
| 20 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | |
| 23 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | |
| 25 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | |
| 27 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | |
| 29 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | |
| TOTAL LOAD (VA): 2356 VA | | | | | | | | | | TOTAL LOAD (VA): 2188 VA | | | | | | | | | | | | | | | | | |
| TOTAL AMPS: 21 A | | | | | | | | | | TOTAL AMPS: 20 A | | | | | | | | | | | | | | | | | |
| TOTAL AMPS: 7 A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOAD TYPE | | | | | | | | | | LOAD TYPE | | | | | | | | | | | | | | | | | |
| EXISTING LOAD (E) | 0 VA | 100% | 0 VA | PANELBOARD NOTES | | | | | | | | | | PANELBOARD TOTALS | | | | | | | | | | | | | |
| COOLING (C) | 0 VA | 0% | 0 VA | TOTAL CONNECTED LOAD | | | | | | | | | | 5376 VA | | | | | | | | | | | | | |
| HEATING (H) | 0 VA | 100% | 0 VA | TOTAL NEC LOAD | | | | | | | | | | 5782 VA | | | | | | | | | | | | | |
| LIGHTING (L) | 0 VA | 125% | 0 VA | TOTAL CONNECTED CURRENT | | | | | | | | | | 15 A | | | | | | | | | | | | | |
| RECEPTACLES (R) | 1360 VA | 100% | 1360 VA | TOTAL NEC DEMAND CURRENT | | | | | | | | | | 16 A | | | | | | | | | | | | | |
| MOTORS (M) | 2352 VA | 100% | 2352 VA | | | | | | | | | | | | | | | | | | | | | | | | |
| SUPPLEMENTAL HEAT (U) | 0 VA | 100% | 0 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% | 2086 VA | | | | | | | | | | | | | | | | | | | | | | | | |
| SHOW WINDOW (W) | 0 VA | 125% | 0 VA | | | | | | | | | | | | | | | | | | | | | | | | |
| TRACK LIGHTING | 0 VA | 100% | 0 VA | | | | | | | | | | | | | | | | | | | | | | | | |

| PANELBOARD: LS2.1 (NEW) | | | | | | | | | | EQUIPMENT GROUND BUS | | | | | | | | | | | | | | | | | | |
|---|------------------------------------|-----------|---------|--------------------------|-------|-------|-------|-------|------------|---|------|-------------|---------|-------------------|-----------|-------|-----------|-------|-------|-------|-------|------------|-------|------|-------------|---------|--|--|
| BUS AMPS: 100A MAIN SIZE/TYPE: 100A MCB VOLTS/PHASE: 208Y/120 V 3P/4W SUPPLIED BY: HS0.1 VIA TXLS2.1 | | | | | | | | | | FAULT CURRENT: 2,967 AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVICES: 2ND FLOOR MOUNTING: SURFACE LOCATION: ELEC 2208 | | | | | | | | | | | | | | | | | | |
| METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS | | | | | | | | | | METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS | | | | | | | | | | | | | | | | | | |
| LINE-SIDE LUGS: MECHANICAL | | | | | | | | | | 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. | DESCRIPTION | LOAD TYPE | NOTES | WIRE SIZE | BKR P | PHASE | PHASE | PHASE | P BKR WIRE | NOTES | LOAD | DESCRIPTION | CKT NO. | | |
| 1 | RCPPT-DATA 1204 QUAD #1 | R | | 12 | 20 | 1 | 360 | 1350 | | | | | | | | | | | | | | | | | | | | |
| 2 | RCPPT-DATA 1204 CAMERA SENSOR UNIT | R | | 12 | 20 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 7 | RCPPT-DATA 2219 TWISTLOCK #1 | R | | 12 | 20 | 1 | 1500 | 360 | | | | | | | | | | | | | | | | | | | | |
| 9 | RCPPT-DATA 2219 QUAD #3 | R | | 12 | 20 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 15 | RCPPT-DATA 1204 QUAD #4 | R | | 12 | 20 | 1 | 180 | 360 | | | | | | | | | | | | | | | | | | | | |
| 17 | RCPPT-DATA 2219 QUAD #4 | R | | 12 | 20 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 19 | BAS PANEL RIGHT DATA 1204 | Z | | 12 | 20 | 1 | 1000 | 1080 | | | | | | | | | | | | | | | | | | | | |
| 21 | WALK-IN COOLER EVAPORATOR | F | | 12 | 20 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 23 | WALK-IN COOLER/REFREEZER LIGHTS | L | VD | 10 | 20 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 25 | WALK-COOLER CONDENSER | F | | 12 | 20 | 3 | 693 | 180 | | | | | | | | | | | | | | | | | | | | |
| 29 | WALK-IN FREEZER HEAT TRACE | Z | GFEP | 12 | 20 | 1 | 500 | 360 | | | | | | | | | | | | | | | | | | | | |
| 33 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | |
| 39 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | |
| 41 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | |
| TOTAL LOAD (VA): 7923 VA | | | | | | | | | | TOTAL LOAD (VA): 7865 VA | | | | | | | | | | | | | | | | | | |
| TOTAL AMPS: 66 A | | | | | | | | | | TOTAL AMPS: 66 A | | | | | | | | | | | | | | | | | | |
| TOTAL AMPS: 68 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOAD TYPE | | | | | | | | | | LOAD TYPE | | | | | | | | | | | | | | | | | | |
| EXISTING LOAD (E) | 0 VA | 100% | 0 VA | PANELBOARD NOTES | | | | | | | | | | PANELBOARD TOTALS | | | | | | | | | | | | | | |
| COOLING (C) | 0 VA | 0% | 0 VA | TOTAL CONNECTED LOAD | | | | | | | | | | 24036 VA | | | | | | | | | | | | | | |
| HEATING (H) | 0 VA | 100% | 0 VA | TOTAL NEC LOAD | | | | | | | | | | 24286 VA | | | | | | | | | | | | | | |
| LIGHTING (L) | 0 VA | 125% | 0 VA | TOTAL CONNECTED CURRENT | | | | | | | | | | 67 A | | | | | | | | | | | | | | |
| RECEPTACLES (R) | 5900 VA | 100% | 5900 VA | TOTAL NEC DEMAND CURRENT | | | | | | | | | | 67 A | | | | | | | | | | | | | | |
| 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) | 9238 VA | 100% | 9238 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) | | | | | | | | | | EQUIPMENT GROUND BUS | | | | | | | | | | | | | | | | | |
|---|------------------------------------|-----------|----------|--------------------------|-------|-------|-------|-------|------------|---|------|-------------|---------|-------------------|-----------|-------|-----------|-------|-------|-------|-------|------------|-------|------|-------------|---------|--|
| BUS AMPS: 100A MAIN SIZE/TYPE: 100A MCB VOLTS/PHASE: 208Y/120 V 3P/4W SUPPLIED BY: HS0.1 VIA TXLS3.1 | | | | | | | | | | FAULT CURRENT: 3,133 AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVICES: 3RD FLOOR MOUNTING: SURFACE LOCATION: ELEC 3100 | | | | | | | | | | | | | | | | | |
| METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS | | | | | | | | | | METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS | | | | | | | | | | | | | | | | | |
| LINE-SIDE LUGS: MECHANICAL | | | | | | | | | | 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. | DESCRIPTION | LOAD TYPE | NOTES | WIRE SIZE | BKR P | PHASE | PHASE | PHASE | P BKR WIRE | NOTES | LOAD | DESCRIPTION | CKT NO. | |
| 1 | RCPPT-DATA 3102 QUAD #1 | R | | 12 | 20 | 1 | 360 | 1000 | | | | | | | | | | | | | | | | | | | |
| 3 | RCPPT-DATA 3102 QUAD #2 | R | | 12 | 20 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 5 | BAS PANEL RIGHT DATA 3102 | Z | | 12 | 20 | 1 | 1000 | 1000 | | | | | | | | | | | | | | | | | | | |
| 7 | BAS PANEL LEFT DATA 3102 | Z | | 12 | 20 | 1 | 1000 | 1000 | | | | | | | | | | | | | | | | | | | |
| 9 | RCPPT-DATA 4104 QUAD #3 | R | | 12 | 20 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 11 | RCPPT-DATA 4104 QUAD #4 | R | | 12 | 20 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 13 | RCPPT-DATA 4104 QUAD #2 | R | | 12 | 20 | 1 | 360 | 360 | | | | | | | | | | | | | | | | | | | |
| 15 | FFS-FIRE ALARM POWER SUPPLY | Z | FA | 12 | 20 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 17 | RCPPT-DATA 3102 CAMERA SENSOR UNIT | R | | 12 | 20 | 1 | | | | | | | | | | | | | | | | | | | | | |
| 19 | SPARE | | | | | | 0 | 1500 | | | | | | | | | | | | | | | | | | | |
| 21 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | SPARE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | |
| 27 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | |
| 29 | SPARE | | | | | | 0 | | | | | | | | | | | | | | | | | | | | |
| TOTAL LOAD (VA): 5580 VA | | | | | | | | | | TOTAL LOAD (VA): 3260 VA | | | | | | | | | | | | | | | | | |
| TOTAL AMPS: 49 A | | | | | | | | | | TOTAL AMPS: 27 A | | | | | | | | | | | | | | | | | |
| TOTAL AMPS: 43 A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOAD TYPE | | | | | | | | | | LOAD TYPE | | | | | | | | | | | | | | | | | |
| EXISTING LOAD (E) | 0 VA | 100% | 0 VA | PANELBOARD NOTES | | | | | | | | | | PANELBOARD TOTALS | | | | | | | | | | | | | |
| COOLING (C) | 0 VA | 0% | 0 VA | TOTAL CONNECTED LOAD | | | | | | | | | | 13740 VA | | | | | | | | | | | | | |
| HEATING (H) | 0 VA | 100% | 0 VA | TOTAL NEC LOAD | | | | | | | | | | 13740 VA | | | | | | | | | | | | | |
| LIGHTING (L) | 0 VA | 125% | 0 VA | TOTAL CONNECTED CURRENT | | | | | | | | | | 38 A | | | | | | | | | | | | | |
| RECEPTACLES (R) | 3240 VA | 100% | 3240 VA | TOTAL NEC DEMAND CURRENT | | | | | | | | | | 38 A | | | | | | | | | | | | | |
| 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 | 125% | 0 VA | | | | | | | | | | | | | | | | | | | | | | | | |
| SIGNAGE (S) | 0 VA | 100% | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |

PANELBOARD: L0B (NEW)

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR AMP, PHASE A, PHASE B, PHASE C, P BKR WIRE AMP, NOTES, LOAD TYPE, DESCRIPTION, CKT NO. Includes equipment ground bus info and line-side lugs.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS. Includes existing load (E), cooling (C), heating (H), lighting (L), etc.

PANELBOARD: L1B (NEW)

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR AMP, PHASE A, PHASE B, PHASE C, P BKR WIRE AMP, NOTES, LOAD TYPE, DESCRIPTION, CKT NO. Includes equipment ground bus info and line-side lugs.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS. Includes existing load (E), cooling (C), heating (H), lighting (L), etc.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS. Includes existing load (E), cooling (C), heating (H), lighting (L), etc.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS. Includes existing load (E), cooling (C), heating (H), lighting (L), etc.

PANELBOARD: L1B1 (NEW)

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR AMP, PHASE A, PHASE B, PHASE C, P BKR WIRE AMP, NOTES, LOAD TYPE, DESCRIPTION, CKT NO. Includes equipment ground bus info and line-side lugs.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS. Includes existing load (E), cooling (C), heating (H), lighting (L), etc.

PANELBOARD: L2B (NEW)

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR AMP, PHASE A, PHASE B, PHASE C, P BKR WIRE AMP, NOTES, LOAD TYPE, DESCRIPTION, CKT NO. Includes equipment ground bus info and line-side lugs.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS. Includes existing load (E), cooling (C), heating (H), lighting (L), etc.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS. Includes existing load (E), cooling (C), heating (H), lighting (L), etc.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS. Includes existing load (E), cooling (C), heating (H), lighting (L), etc.

PANELBOARD: L3B1 (NEW)

Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR AMP, PHASE A, PHASE B, PHASE C, P BKR WIRE AMP, NOTES, LOAD TYPE, DESCRIPTION, CKT NO. Includes equipment ground bus info and line-side lugs.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS. Includes existing load (E), cooling (C), heating (H), lighting (L), etc.

PANELBOARD: L3B2 (NEW)

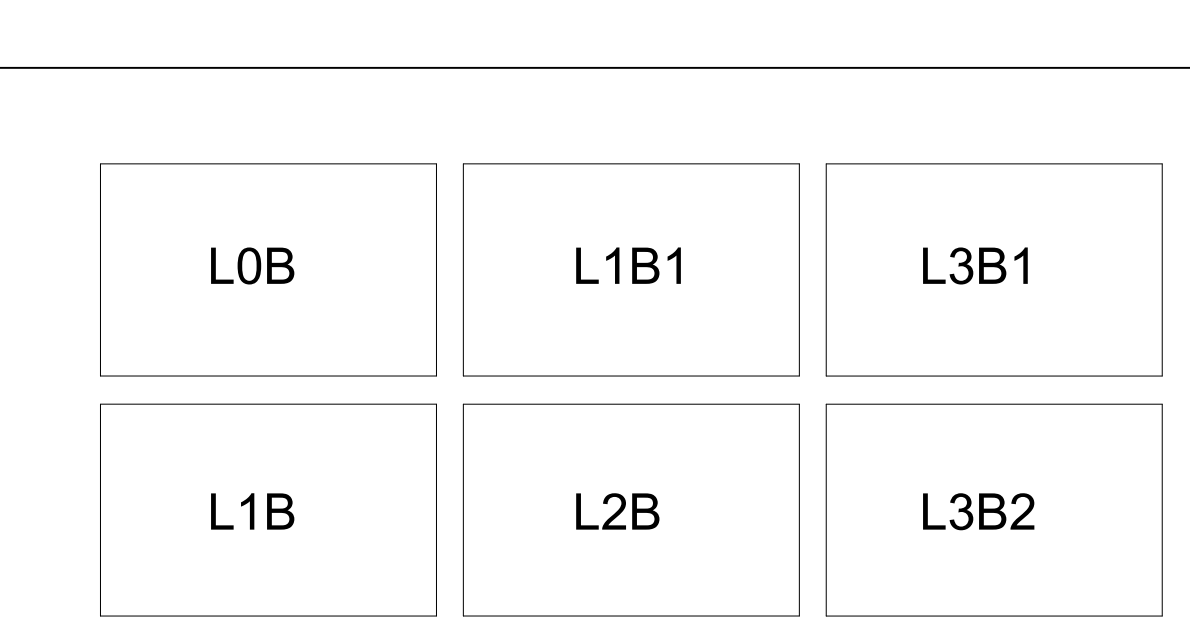
Table with columns: CKT NO., DESCRIPTION, LOAD TYPE, NOTES, WIRE SIZE, BKR AMP, PHASE A, PHASE B, PHASE C, P BKR WIRE AMP, NOTES, LOAD TYPE, DESCRIPTION, CKT NO. Includes equipment ground bus info and line-side lugs.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS. Includes existing load (E), cooling (C), heating (H), lighting (L), etc.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS. Includes existing load (E), cooling (C), heating (H), lighting (L), etc.

Table with columns: LOAD TYPE, CONNECTED LOAD, DEMAND FACTOR, NEC DEMAND, PANELBOARD NOTES, PANELBOARD TOTALS. Includes existing load (E), cooling (C), heating (H), lighting (L), etc.

REFER TO SHEET E003 FOR PANELBOARD ABBREVIATION LEGEND



801 South Spring Street, Little Rock, AR 72201. 509 W. Spring St. Suite 150, Fayetteville, AR 72701.

McClain Consulting Engineers, Inc. 1380 E STEPHENS ST, FAYETTEVILLE, AR 72703. P: 479.443.2377

LANDSCAPE O&D 11517 JONES PLACE, BROOKLYN, NY 11217. P: 917.553.5886

STRUCTURAL Martin-Martin Consulting Engineers 11600 N. 27th St., Suite 802, BENTONVILLE, AR 72712. P: 479.493.9442

MEP - LOW VOLTAGE Henderson Engineers 1340 LEXENA DRIVE, STE 300, LITTLE ROCK, AR 72204. P: 913.660.9187

SUSTAINABILITY 224 SOUTH MICHIGAN AVENUE, CHICAGO, IL 60604. P: 312.363.4121

SIGNAGE - WAFFINGTON TWO TWELVE 238 W. 29th St., Suite 802, NEW YORK, NY 10001. P: 212.254.9870

FOOD SERVICE JMC HOSPITALITY 1956 S. PEGAS DR., SUITE 2010, THE WOODLANDS, TX 77380. P: 409.841.2222

PSW Job Number: 993A. Henderson Job Number: 2150002607. License: ARKANSAS LICENSED PROFESSIONAL ENGINEER No. 15558. Date: 06/07/2023. Issue Date: 02.24.2023. REVISIONS: NUMBER, DATE, DESCRIPTION.

AWSON Bentonville, AR. This page is best viewed in color. E907

| | | | | | |
|--|--|---|--|------------------------------|--|
| PANELBOARD: LS0.2 (NEW) | | FAULT CURRENT: 2,941 | | EQUIPMENT GROUND BUS | |
| BUS AMPS: 100A MAIN SIZE/TYP: 100A MCB VOLTS/PHASE: 208Y/120 V 3P4W SUPPLIED BY: HS0.2 VIA TX4.50.2 | | AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: MECHANICAL SURFACE MOUNTING: LOCATION: MECHANICAL 0124 | | METER CATEGORY: HVAC SYSTEMS | |

| CKT NO. | DESCRIPTION | LOAD TYPE | NOTES | WIRE SIZE | BKR P | PHASE | | | P | BKR WIRE SIZE | NOTES | LOAD TYPE | DESCRIPTION | CKT NO. | |
|------------------|-----------------------------------|-----------|-------|-----------|-------|---------|---------|---------|---|---------------|-------|-----------|-------------|---------|--|
| | | | | | | A | B | C | | | | | | | |
| 1 | WATER HEATER WH#1 | Z | | 20 | 1 | 1440 | 3540 | | | 3 | OL | R | LS0.2.1 | 4 | |
| 3 | SUM PUMP SP2 | M | | 12 | 15 | | | | | 3 | | R | | 4 | |
| 7 | RECIRC PUMP RP2 | M | | 12 | 15 | 228 | 0 | | | 1 | | R | | 6 | |
| 9 | RECIRC PUMP RP1 | M | | 12 | 15 | | 696 | 0 | | 1 | | R | | 6 | |
| 11 | RCPT-MECHANICAL 0124 | R | | 12 | 20 | | | | | 1 | | R | | 10 | |
| 13 | HVAC CONTROLS #1 | Z | | 12 | 20 | 500 | 0 | | | 1 | | R | | 14 | |
| 15 | HVAC CONTROLS #2 | Z | | 12 | 20 | | 500 | 0 | | 1 | | R | | 14 | |
| 17 | HVAC CONTROLS #3 | Z | | 12 | 20 | | | 500 | 0 | 1 | | R | | 16 | |
| 19 | VEHICLE EMISSION CONTROL PANEL | R | | 12 | 20 | 500 | 0 | | | 1 | | R | | 20 | |
| 21 | RCPT-FIRE RISERWASTE ROOM | R | | 12 | 20 | | 360 | 0 | | 1 | | R | | 22 | |
| 23 | RCPT-MECH 0124 CAMERA SENSOR UNIT | R | | 12 | 20 | | | 180 | 0 | 1 | | R | | 24 | |
| 25 | SPARE | | | 20 | 1 | | | | | 1 | | R | | 26 | |
| 27 | SPARE | | | 20 | 1 | | | | | 1 | | R | | 28 | |
| 29 | RCPT-MECH MAINTENANCE | R | | 12 | 20 | | | | | 1 | | R | | 32 | |
| 31 | MAIN SERVICE SHUNT TRIP SHUTDOWN | Z | VD | 10 | 20 | 0 | 0 | 0 | | 1 | | R | | 34 | |
| 33 | EQUIPPED SPACE | | | 20 | 1 | | | | | 1 | | R | | 36 | |
| 35 | EQUIPPED SPACE | | | 20 | 1 | | | | | 1 | | R | | 38 | |
| 37 | EQUIPPED SPACE | | | 20 | 1 | | | | | 1 | | R | | 40 | |
| 39 | EQUIPPED SPACE | | | 20 | 1 | | | | | 1 | | R | | 42 | |
| 41 | EQUIPPED SPACE | | | 20 | 1 | | | | | 1 | | R | | 44 | |
| TOTAL LOAD (VA): | | | | | | 6208 VA | 6043 VA | 4327 VA | | | | | | | |
| TOTAL AMPS: | | | | | | 54 A | | 36 A | | | | | | | |

| LOAD TYPE | CONNECTED LOAD | DEMAND FACTOR | NEC DEMAND | PANELBOARD NOTES | PANELBOARD TOTALS |
|-----------------------|----------------|---------------|------------|------------------|-------------------------------|
| EXISTING LOAD (E) | 0 VA | 100% | 0 VA | | TOTAL CONNECTED LOAD 16078 VA |
| COOLING (C) | 0 VA | 0% | 0 VA | | TOTAL NEC LOAD 17076 VA |
| HEATING (H) | 0 VA | 100% | 0 VA | | TOTAL CONNECTED CURRENT 46 A |
| LIGHTING (L) | 0 VA | 125% | 0 VA | | TOTAL NEC DEMAND CURRENT 47 A |
| RECEPTACLES (R) | 9960 VA | 100% | 9960 VA | | |
| MOTORS (M) | 1440 VA | 100% | 1440 VA | | |
| SUPPLEMENTAL HEAT (U) | 0 VA | 100% | 0 VA | | |
| MISC EQUIP (Z) | 3440 VA | 100% | 3440 VA | | |
| REFRIGERATION (F) | 0 VA | 100% | 0 VA | | |
| SIGNAGE (S) | 0 VA | 125% | 0 VA | | |
| KITCHEN (K) | 0 VA | 100% | 0 VA | | |
| LARGEST MOTOR | 1729 VA | 125% | 2161 VA | | |
| SHOW WINDOW (W) | 0 VA | 125% | 0 VA | | |
| TRACK LIGHTING | 0 VA | 100% | 0 VA | | |

| | | | | | |
|--|--|--|--|---|--|
| PANELBOARD: LS1.2 (NEW) | | FAULT CURRENT: 2,930 | | EQUIPMENT GROUND BUS | |
| BUS AMPS: 225A MAIN SIZE/TYP: 100A MCB VOLTS/PHASE: 208Y/120 V 3P4W SUPPLIED BY: HS1.2 VIA TX4.51.2 | | AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: 1ST FLOOR SURFACE MOUNTING: LOCATION: ELEC DISTRIB 1506 | | METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS | |

| CKT NO. | DESCRIPTION | LOAD TYPE | NOTES | WIRE SIZE | BKR P | PHASE | | | P | BKR WIRE SIZE | NOTES | LOAD TYPE | DESCRIPTION | CKT NO. | |
|------------------|----------------------------------|-----------|-------|-----------|-------|---------|---------|---------|-----|---------------|-------|-----------|-------------|---------|--|
| | | | | | | A | B | C | | | | | | | |
| 1 | RCPT-CONFERENCE 1646 MISC | R | | 12 | 20 | 1 | 180 | 850 | | | | R | | 2 | |
| 3 | RCPT-DECONTAM 1690 COUNTER | R | | 12 | 20 | 1 | | | 180 | 2700 | | R | | 2 | |
| 5 | RCPT-POCT 1698 LC FREEZER | Z | GF VD | 10 | 20 | 1 | | | | | | R | | 4 | |
| 7 | RCPT-MEDS ROOM 1626 VACCINE FRZR | Z | GF VD | 10 | 20 | 1 | 850 | 850 | | | | R | | 6 | |
| 9 | RCPT-SECURITY 1528 MISC | R | | 12 | 20 | 1 | | | 180 | 360 | | R | | 12 | |
| 11 | RECEPTACLES | R | VD | 10 | 20 | 1 | | | | | | R | | 14 | |
| 13 | RCPT-POCT 1696 COUNTER | R | | 12 | 20 | 1 | 180 | 360 | | | | R | | 14 | |
| 15 | SPARE | | | 20 | 1 | | | | | | | R | | 16 | |
| 17 | RCPT-DATA 1538 QUAD #3 | R | | 12 | 20 | 1 | | | 360 | 180 | | R | | 18 | |
| 19 | SPARE | | | 20 | 1 | | 0 | 180 | 0 | 0 | | R | | 20 | |
| 21 | SPARE | | | 20 | 1 | | | | | | | R | | 22 | |
| 23 | SPARE | | | 20 | 1 | | | | | | | R | | 24 | |
| 25 | SPARE | | | 20 | 1 | | 0 | 0 | 0 | 0 | | R | | 26 | |
| 27 | SPARE | | | 20 | 1 | | | | | | | R | | 28 | |
| 29 | SPARE | | | 20 | 1 | | | | | | | R | | 30 | |
| TOTAL LOAD (VA): | | | | | | 3450 VA | 3600 VA | 3570 VA | | | | | | | |
| TOTAL AMPS: | | | | | | 29 A | | 30 A | | | | | | | |

| LOAD TYPE | CONNECTED LOAD | DEMAND FACTOR | NEC DEMAND | PANELBOARD NOTES | PANELBOARD TOTALS |
|-----------------------|----------------|---------------|------------|------------------|-------------------------------|
| EXISTING LOAD (E) | 0 VA | 100% | 0 VA | | TOTAL CONNECTED LOAD 10620 VA |
| COOLING (C) | 0 VA | 0% | 0 VA | | TOTAL NEC LOAD 10620 VA |
| HEATING (H) | 0 VA | 100% | 0 VA | | TOTAL CONNECTED CURRENT 29 A |
| LIGHTING (L) | 0 VA | 125% | 0 VA | | TOTAL NEC DEMAND CURRENT 29 A |
| RECEPTACLES (R) | 7070 VA | 100% | 7070 VA | | |
| MOTORS (M) | 0 VA | 100% | 0 VA | | |
| SUPPLEMENTAL HEAT (U) | 0 VA | 100% | 0 VA | | |
| MISC EQUIP (Z) | 3550 VA | 100% | 3550 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 | | |

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|---|--|--|--|---|--|
| PANELBOARD: LS2.2 (NEW) | | FAULT CURRENT: 2,421 | | EQUIPMENT GROUND BUS | |
| BUS AMPS: 225A MAIN SIZE/TYP: 150A MCB VOLTS/PHASE: 208Y/120 V 3P4W SUPPLIED BY: DS.2 VIA TX4.52.2 | | AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: 2ND FLOOR SURFACE MOUNTING: LOCATION: ELEC 2500 | | METER CATEGORY: RECEPTACLE-MISCELLANEOUS CIRCUITS | |

| CKT NO. | DESCRIPTION | LOAD TYPE | NOTES | WIRE SIZE | BKR P | PHASE | | | P | BKR WIRE SIZE | NOTES | LOAD TYPE | DESCRIPTION | CKT NO. | |
|------------------|-----------------------------------|-----------|-------|-----------|-------|---------|----------|---------|------|---------------|-------|-----------|-------------|---------|--|
| | | | | | | A | B | C | | | | | | | |
| 1 | RCPT-DATA 1622 QUAD #2 | R | | 12 | 20 | 1 | 360 | 360 | | | | R | | 2 | |
| 3 | RCPT-DATA 1622 QUAD #3 | R | | 12 | 20 | 1 | | | 1000 | 1000 | | R | | 2 | |
| 5 | RCPT-DATA 2502 TWISTLOCK #1 | R | | 10 | 30 | 1 | | | | | | R | | 4 | |
| 7 | RCPT-DATA 2502 TWISTLOCK #2 | R | | 10 | 30 | 1 | 1500 | 360 | | | | R | | 6 | |
| 11 | RCPT-DATA 2502 QUAD #1 | R | | 12 | 20 | 1 | | | 360 | 180 | | R | | 12 | |
| 13 | RCPT-DATA 1622 QUAD #3 | R | | 12 | 20 | 1 | 360 | 180 | | | | R | | 12 | |
| 15 | RCPT-DATA 2502 QUAD #3 | R | | 12 | 20 | 1 | | | 360 | 360 | | R | | 16 | |
| 17 | RCPT-DATA 2502 CAMERA SENSOR UNIT | R | | 12 | 20 | 1 | | | 180 | 180 | | R | | 16 | |
| 19 | SPARE | | | 20 | 1 | | 0 | 1500 | | | | R | | 20 | |
| 21 | SPARE | | | 20 | 1 | | | | | | | R | | 22 | |
| 23 | SPARE | | | 20 | 1 | | | | | | | R | | 24 | |
| 25 | SPARE | | | 20 | 1 | | 0 | 4260 | | | | R | | 26 | |
| 27 | SPARE | | | 20 | 1 | | | 0 | 3960 | | | R | | 26 | |
| 29 | SPARE | | | 20 | 1 | | | | | 3 | 100 | OL | R | 28 | |
| 31 | SPARE | | | 20 | 1 | | | | | | | R | | 30 | |
| 33 | SPARE | | | 20 | 1 | | | | | | | R | | 32 | |
| 35 | SPARE | | | 20 | 1 | | | | | | | R | | 34 | |
| 37 | SPARE | | | 20 | 1 | | | | | | | R | | 36 | |
| 39 | SPARE | | | 20 | 1 | | | | | | | R | | 38 | |
| 41 | SPARE | | | 20 | 1 | | | | | | | R | | 40 | |
| TOTAL LOAD (VA): | | | | | | 8700 VA | 10160 VA | 9360 VA | | | | | | | |
| TOTAL AMPS: | | | | | | 36 A | | 33 A | | | | | | | |

| LOAD TYPE | CONNECTED LOAD | DEMAND FACTOR | NEC DEMAND | PANELBOARD NOTES | PANELBOARD TOTALS |
|-----------------------|----------------|---------------|------------|------------------|-------------------------------|
| EXISTING LOAD (E) | 0 VA | 100% | 0 VA | | TOTAL CONNECTED LOAD 25240 VA |
| COOLING (C) | 0 VA | 0% | 0 VA | | TOTAL NEC LOAD 22800 VA |
| HEATING (H) | 0 VA | 100% | 0 VA | | TOTAL CONNECTED CURRENT 70 A |
| LIGHTING (L) | 0 VA | 125% | 0 VA | | TOTAL NEC DEMAND CURRENT 63 A |
| RECEPTACLES (R) | 14880 VA | 84% | 12440 VA | | |
| MOTORS (M) | 0 VA | 100% | 0 VA | | |
| SUPPLEMENTAL HEAT (U) | 0 VA | 100% | 0 VA | | |
| MISC EQUIP (Z) | 10360 VA | 100% | 10360 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 | | |

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|---|--|--|--|------------------------------|--|
| PANELBOARD: LS3.2 (NEW) | | FAULT CURRENT: 2,371 | | EQUIPMENT GROUND BUS | |
| BUS AMPS: 100A MAIN SIZE/TYP: 100A MCB VOLTS/PHASE: 208Y/120 V 3P4W SUPPLIED BY: LS2.2 | | AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: 3RD FLOOR SURFACE MOUNTING: LOCATION: ELEC 3502 | | METER CATEGORY: HVAC SYSTEMS | |

| CKT NO. | DESCRIPTION | LOAD TYPE | NOTES | WIRE SIZE | BKR P | PHASE | | | P | BKR WIRE SIZE | NOTES | LOAD TYPE | DESCRIPTION | CKT NO. |
|---------|-----------------------------|-----------|-------|-----------|-------|-------|------|------|-----|---------------|-------|-----------|-------------|---------|
| | | | | | | A | B | C | | | | | | |
| 1 | RCPT-DATA 3316 QUAD #1 | R | | 12 | 20 | 1 | 360 | 360 | | | | R | | 2 |
| 3 | RCPT-DATA 3316 QUAD #3 | R | | 12 | 20 | 1 | | | 360 | 1500 | | R | | 2 |
| 5 | RCPT-DATA 3504 QUAD #1 | R | | 12 | 20 | 1 | | | | 360 | 1500 | R | | 2 |
| 7 | BAS PANEL LEFT | Z | | 12 | 20 | 1 | 1000 | 1000 | | | | R | | 6 |
| 9 | RCPT-DATA 3504 QUAD #3 | R | | 12 | 20 | 1 | | | 360 | 180 | | R | | 10 |
| 11 | RCPT-DATA 3504 QUAD #4 | R | | 12 | 20 | 1 | | | | | | R | | 10 |
| 13 | BAS PANEL ELEC 3502 | Z | VD | 10 | 20 | 1 | 1000 | 360 | | | | R | | 12 |
| 15 | FRS-FIRE ALARM POWER SUPPLY | Z | FA | 12 | 20 | 1 | | | 360 | 1500 | | R | | 16 |
| 17 | SPARE | | | 20 | 1 | | | | | 0 | 1500 | R | | 18 |
| 19 | SPARE | | | 20 | 1 | | | | | | | R | | 20 |
| 21 | SPARE | | | 20 | 1 | | | | | | | R | | 22 |
| 23 | SPARE | | | 20 | 1 | | | | | | | R | | 24 |
| 25 | SPARE | | | 20 | 1 | | | | | | | | | |