

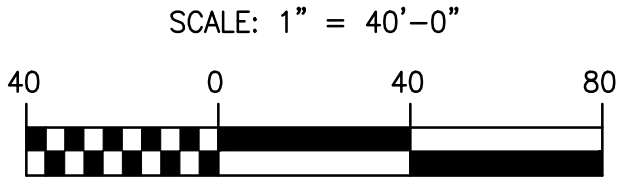
ELECTRICAL DEMOLITION SITE PLAN
SCALE: 1" = 40'-0"

DRAWING NOTE:

1. REMOVE EXISTING LIGHT FIXTURE, POLE AND ASSOCIATED POLE BASE IN ITS ENTIRETY. RECONFIGURE EXISTING CIRCUITING THROUGHOUT SITE PHASING AS REQUIRED TO KEEP REMAINING LIGHT FIXTURES OPERATIONAL. REFER TO CIVIL PLANS FOR PHASING.
2. REMOVE BUILDING POWER CONNECTION AND TELECOM CONNECTIONS PRIOR TO DEMOLITION OF STRUCTURE.
3. REMOVE EXISTING INTERNALLY LIGHTED SCHOOL SIGN.

GENERAL NOTES:

1. COORDINATE ALL NEW WORK WITH EXISTING SITE UTILITIES. CONTRACTOR SHALL CONTACT PA-ONE CALL AND REVIEW ANY AVAILABLE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND DOCUMENTING ALL EXISTING UTILITIES ALONG PATH OF EXCAVATION. HAND EXCAVATE AROUND LOCATED UTILITIES TO PREVENT DAMAGE. DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED WITHIN 24 HOURS AT NO COST TO THE OWNER.
2. CUT AND PATCH EXISTING PAVED AREAS INCLUDING PARKING, CURBS, SIDEWALKS AND LOTS REQUIRED FOR INSTALLATION OF ELECTRICAL WORK. CONCRETE SIDEWALKS SHALL BE CUT AT NEAREST JOINTS AND SECTION REMOVED, CUTTING ONLY A PORTION OF THE SECTION AWAY IS NOT ACCEPTABLE. PROVIDE A NEW CONCRETE SIDEWALK SECTION MATCHING ADJACENT SECTION IN DEPTH, FINISH AND REINFORCING. ASPHALT SHALL BE PATCHED WITH HOT PATCH TO MATCH ADJACENT SURFACES, HOT SEAL ALL JOINTS WHEN COMPLETE.



ISSUE DATES

DATE	DESCRIPTION
03/17/2025	BID SET

PROJ # : 24-0010-53

DRAWN BY : ALBAN

SHEET TITLE:

ELECTRICAL DEMOLITION SITE PLAN

SHEET NUMBER:

E0.3

BID SET

CONSULTANT:

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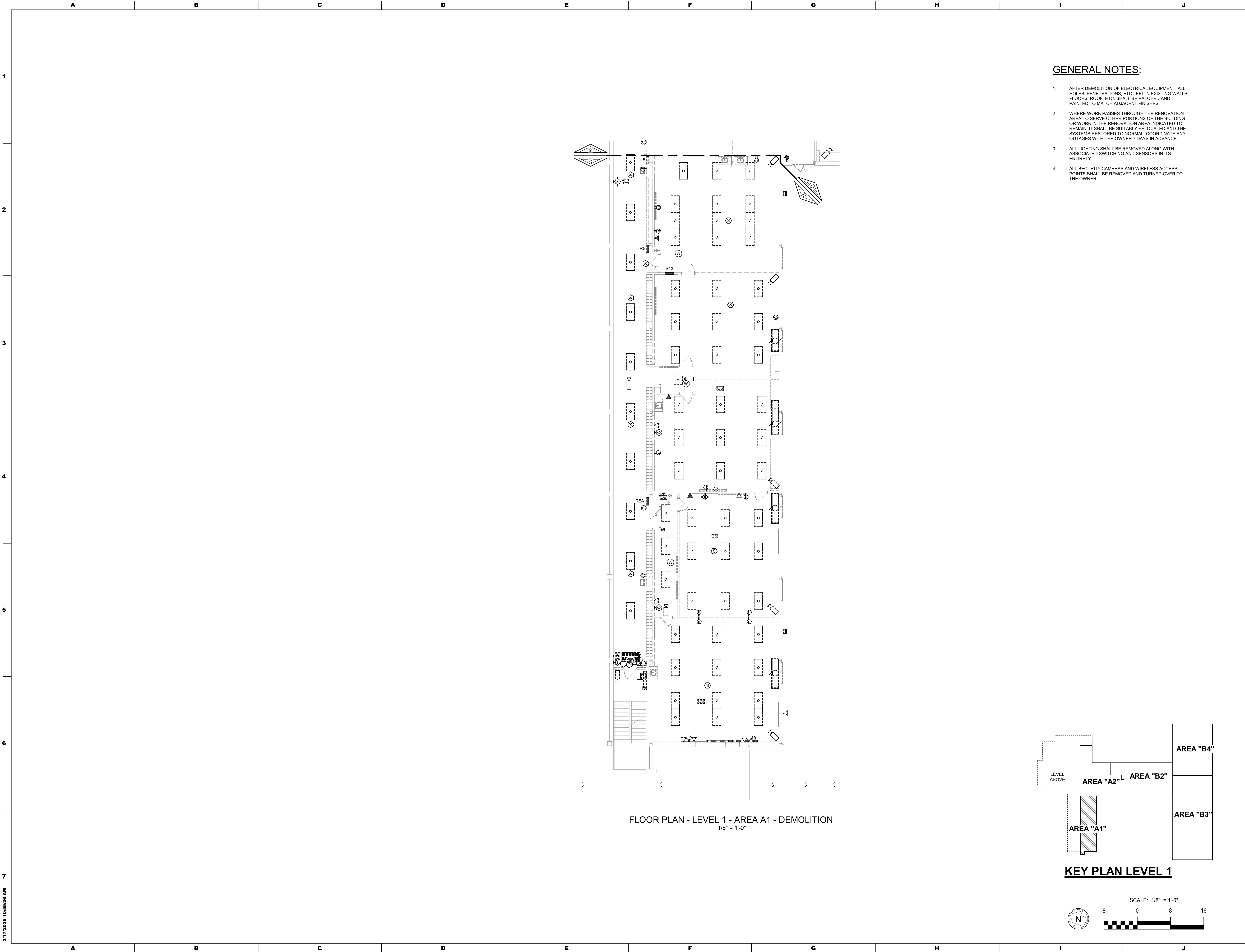
FOLCROFT TECHNICAL SCHOOL

DELAWARE COUNTY

INTERMEDIATE UNIT

70 HENDERSON BLVD.

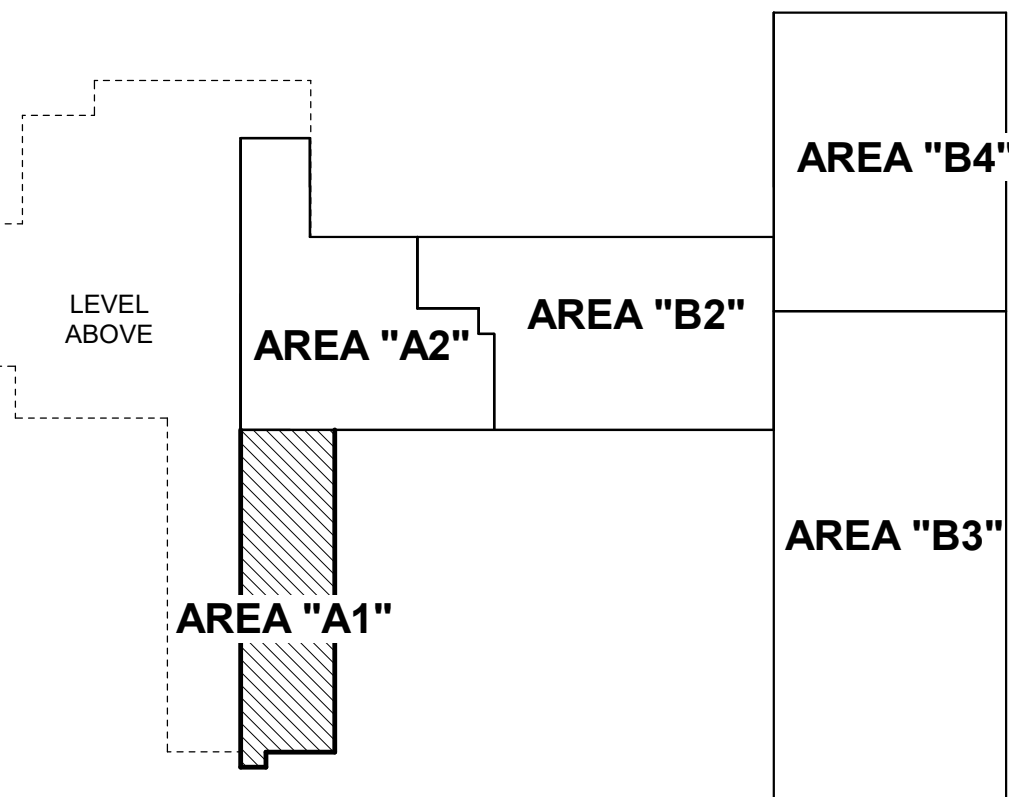
FOLCROFT, PA 19032



FLOOR PLAN - LEVEL 1 - AREA A1 - DEMOLITION
1/8" = 1'-0"

GENERAL NOTES:

1. AFTER DEMOLITION OF ELECTRICAL EQUIPMENT, ALL HOLES, PENETRATIONS, ETC LEFT IN EXISTING WALLS, FLOORS, ROOF, ETC. SHALL BE PATCHED AND PAINTED TO MATCH ADJACENT FINISHES.
2. WHERE WORK PASSES THROUGH THE RENOVATION AREA TO SERVE OTHER PORTIONS OF THE BUILDING OR WORK IN THE RENOVATION AREA INDICATED TO REMAIN, IT SHALL BE SUITABLY RELOCATED AND THE SYSTEMS RESTORED TO NORMAL. COORDINATE ANY OUTAGES WITH THE OWNER 7 DAYS IN ADVANCE.
3. ALL LIGHTING SHALL BE REMOVED ALONG WITH ASSOCIATED SWITCHING AND SENSORS IN ITS ENTIRETY.
4. ALL SECURITY CAMERAS AND WIRELESS ACCESS POINTS SHALL BE REMOVED AND TURNED OVER TO THE OWNER.



KEY PLAN LEVEL 1



ADDITIONS AND RENOVATIONS TO THE
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FOLCROFT, PA 19032

ISSUE DATES		DESCRIPTION:	BID SET
DATE:			
03/17/2025			

PROJ # : 21-DCIU-03 DRAWN BY : Author

SHEET TITLE:

FLOOR PLAN - LEVEL 1
- AREA A1 -
DEMOLITION

SHEET NUMBER:

ED1.1

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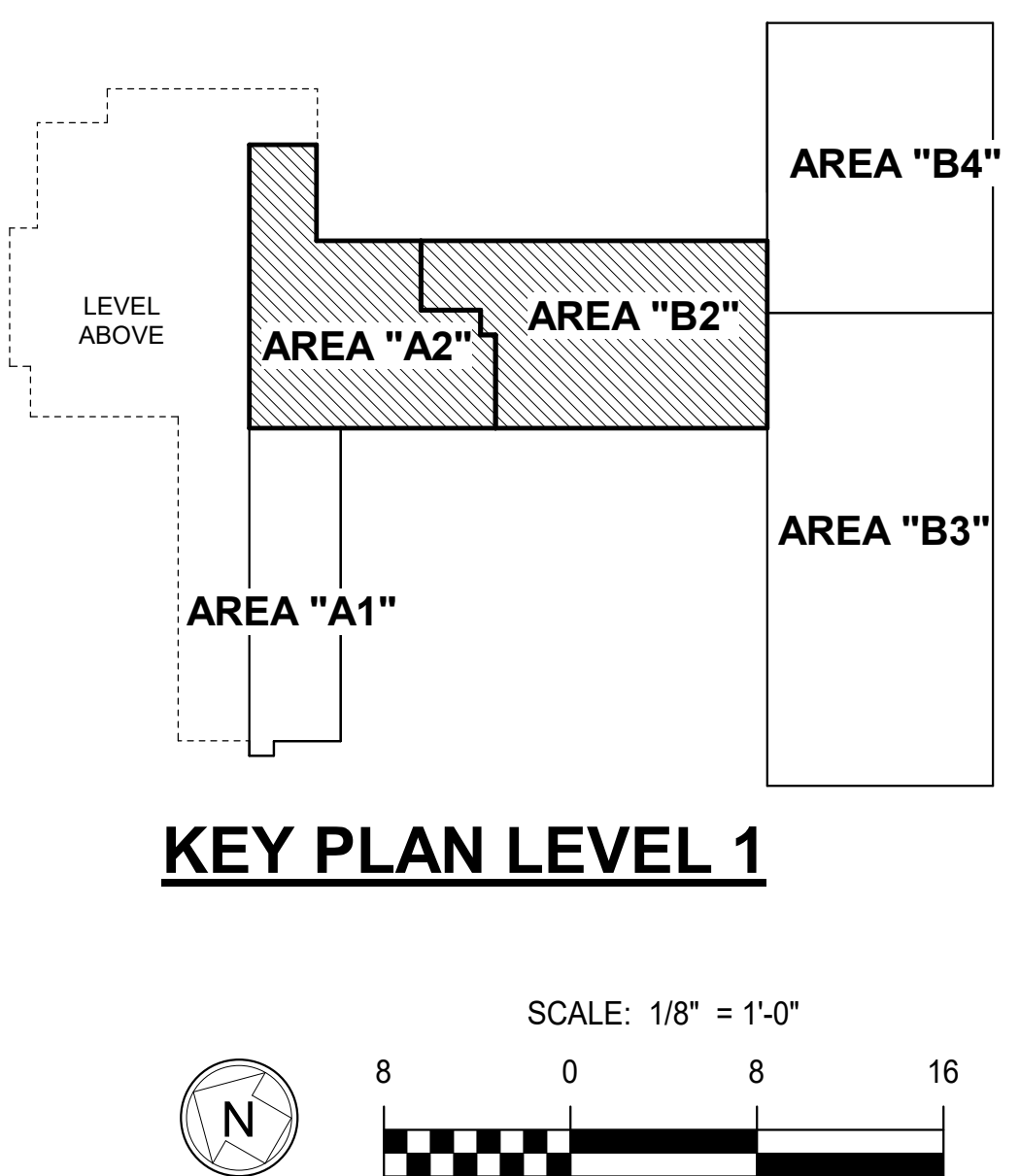
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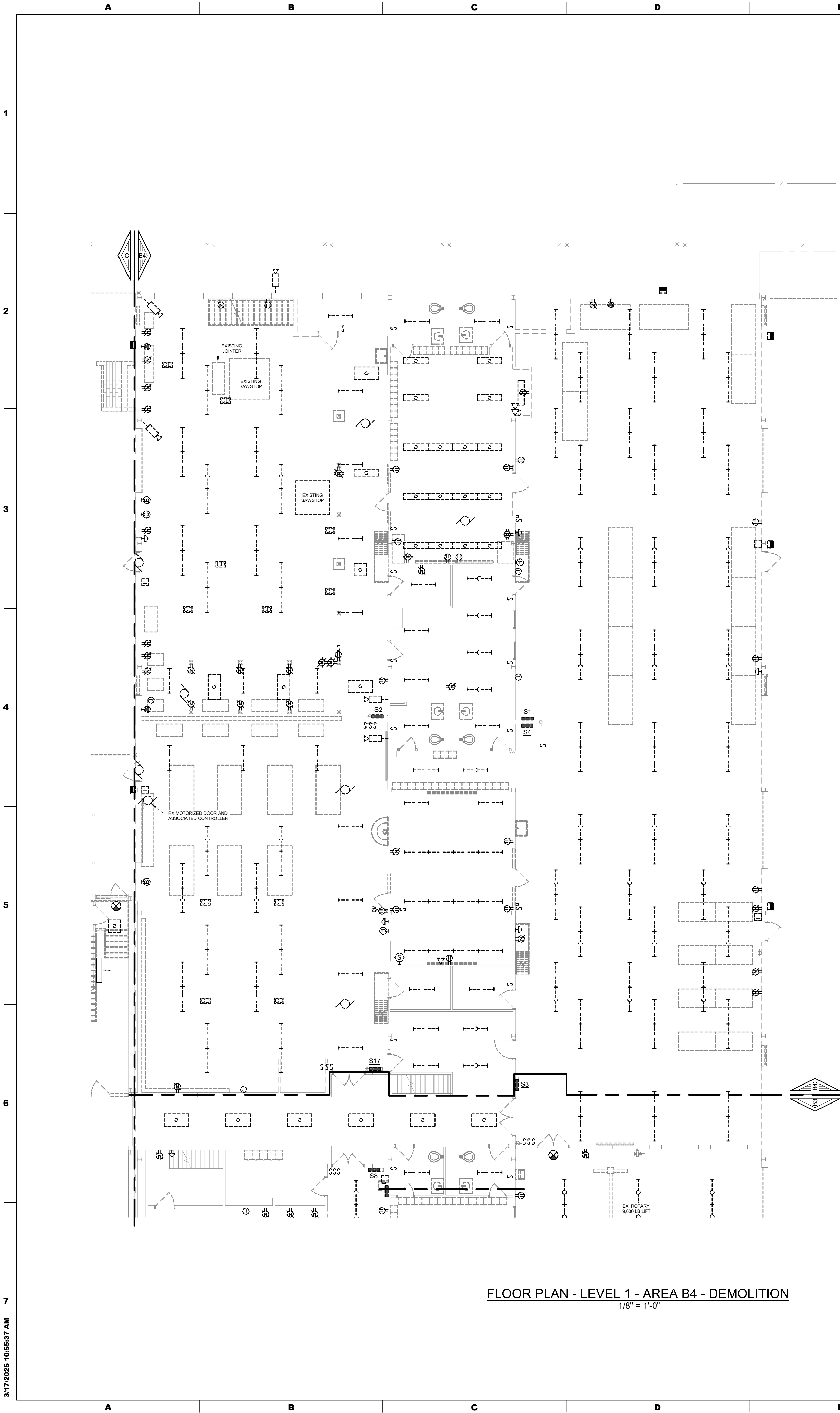
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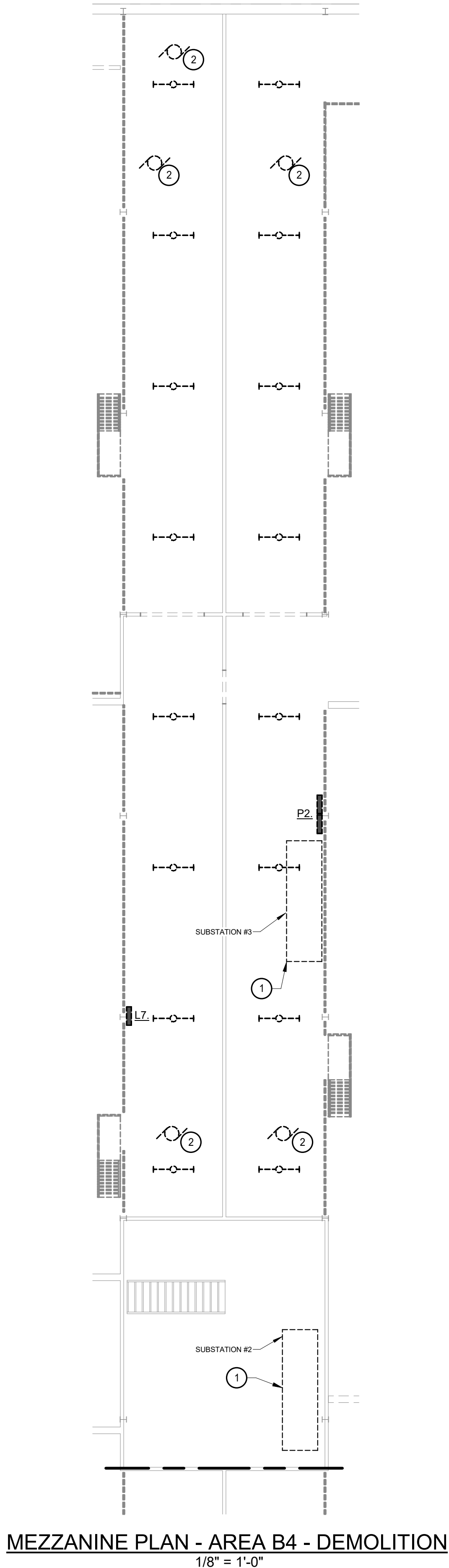


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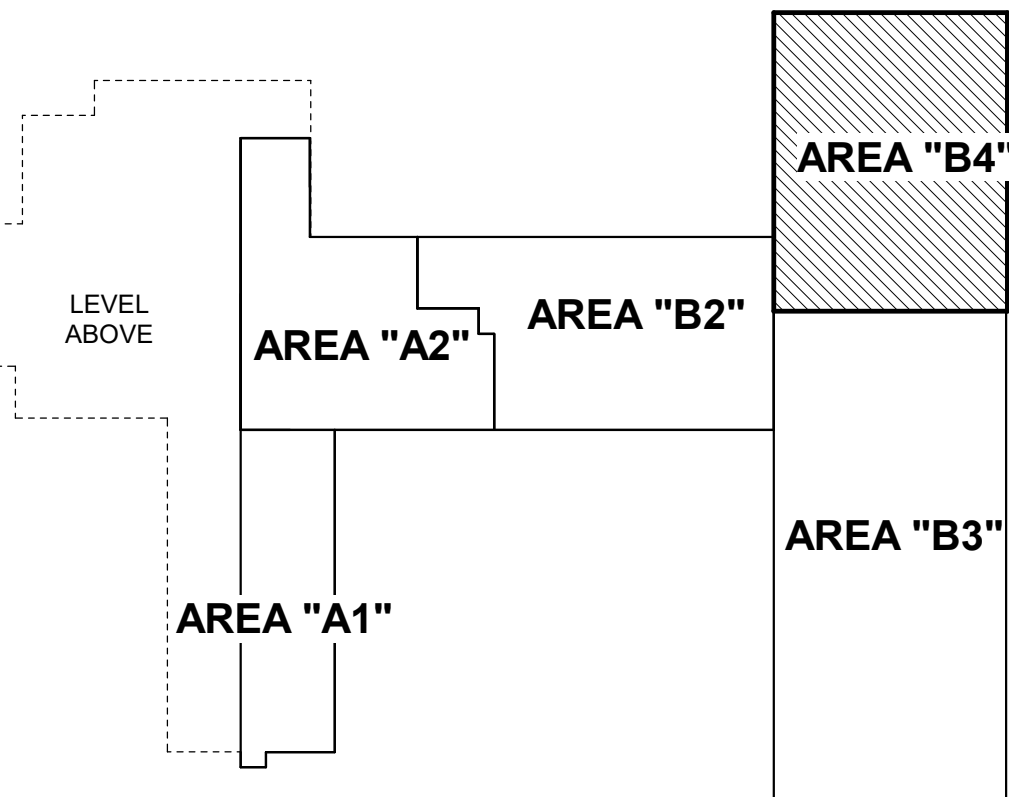
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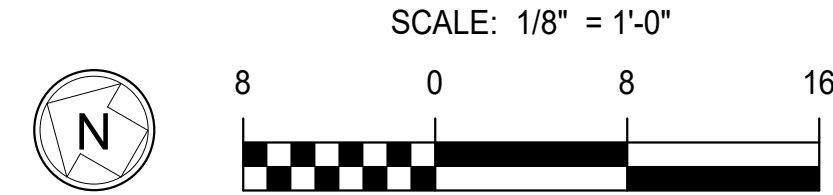
FLOOR PLAN - LEVEL 1 - AREA B4 - DEMOLITION
1/8" = 1'-0"



MEZZANINE PLAN - AREA B4 - DEMOLITION
1/8" = 1'-0"



KEY PLAN LEVEL 1



GENERAL NOTES:

1. AFTER DEMOLITION OF ELECTRICAL EQUIPMENT, ALL HOLES, PENETRATIONS, ETC LEFT IN EXISTING WALLS, FLOORS, ROOF, ETC SHALL BE PATCHED AND PAINTED TO MATCH ADJACENT FINISHES.
2. WHERE WORK PASSES THROUGH THE RENOVATION AREA TO SERVE OTHER PORTIONS OF THE BUILDING OR WORK IN THE RENOVATION AREA INDICATED TO REMAIN, IT SHALL BE SUITABLY RELOCATED AND THE SYSTEMS RESTORED TO NORMAL. COORDINATE ANY OUTAGES WITH THE OWNER 7 DAYS IN ADVANCE.
3. ALL LIGHTING SHALL BE REMOVED ALONG WITH ASSOCIATED SWITCHING AND SENSORS IN ITS ENTIRETY.
4. ALL SECURITY CAMERAS AND WIRELESS ACCESS POINTS SHALL BE REMOVED AND TURNED OVER TO THE OWNER.

DRAWING NOTES:

1. RX. EXISTING SUBSTATION.
2. RX. MECHANICAL EQUIPMENT AND ALL ASSOCIATED ELECTRICAL APPURTENANCES.

ADDITIONS AND RENOVATIONS TO THE
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ISSUE DATES	DESCRIPTION:	BID SET
DATE:	03/17/2025	
PROJ #:	21-DCIU-03	
DRAWN BY:	Author	
SHEET TITLE:	FLOOR PLAN - LEVEL 1 - AREA B4 - DEMOLITION	
SHEET NUMBER:	ED1.3	

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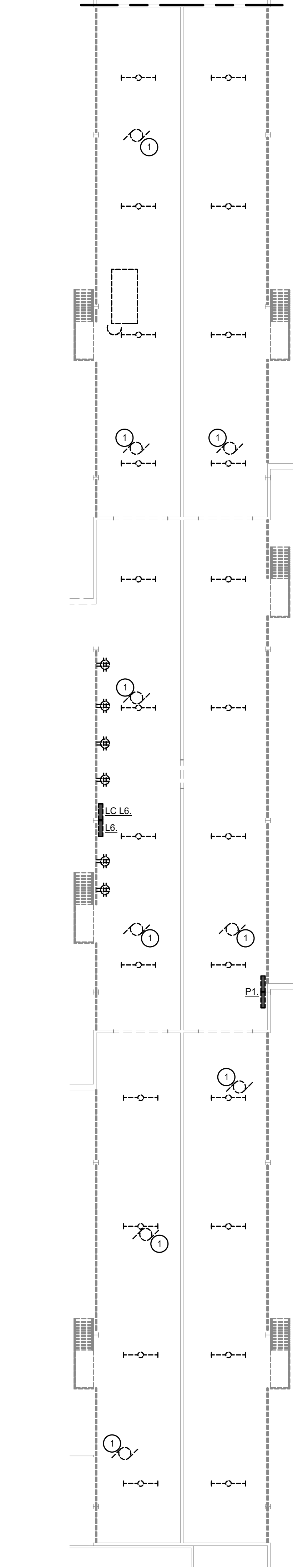


Diagram illustrating the layout of a building footprint, divided into four distinct areas:

- AREA "A1"**: The bottom-left section.
- AREA "A2"**: The top-left section.
- AREA "B2"**: The top-right section.
- AREA "B4"**: The bottom-right section.

A dashed line indicates the **LEVEL ABOVE**.

SCALE: $1/8" = 1'-0"$

- ① RX. MECHANICAL EQUIPMENT AND ALL ASSOCIATED ELECTRICAL APPURTENANCES.

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03/17/2025										

PROJ # : 21-DCIU-03 **DRAWN BY :** Author

SHEET TITLE:

FLOOR PLAN - LEVEL 1 - AREA B3 - DEMOLITION

SHEET NUMBER:

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1. AFTER DEMOLITION OF ELECTRICAL EQUIPMENT, ALL HOLES, PENETRATIONS, ETC LEFT IN EXISTING WALLS AND FLOORS, ROOF, ETC. SHALL BE PATCHED AND PAINTED TO MATCH ADJACENT FINISHES.
2. WHERE WORK PASSES THROUGH THE RENOVATION AREA TO SERVE OTHER PORTIONS OF THE BUILDING OR WORK IN THE RENOVATION AREA INDICATED TO REMAIN, IT SHALL BE SUITABLY RELOCATED AND THE WORK RESTORED TO THE ORIGINAL CONDITION, INCLUDING ANY OUTGAGES WITH THE OWNER 7 DAYS IN ADVANCE.
3. ALL LIGHTING SHALL BE REMOVED ALONG WITH ASSOCIATED SWITCHING AND SENSORS IN ITS ENTIRETY.
4. ALL SECURITY CAMERAS AND WIRELESS ACCESS POINTS SHALL BE REMOVED AND TURNED OVER TO THE OWNER.

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FLOOR PLAN - LEVEL 2
- AREA A1 -
DEMOLITION

SHEET NUMBER:
ED1.5

BID SET

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[illegible]

PROJ #: 21-DCIU-03 DRAWN BY: Author

SHEET TITLE:

FLOOR PLAN - LEVEL 2
- AREA B1 -

- AREA D1 -
DEMOLITION

DEMOLITION

NUMBER: _____

ED1 6

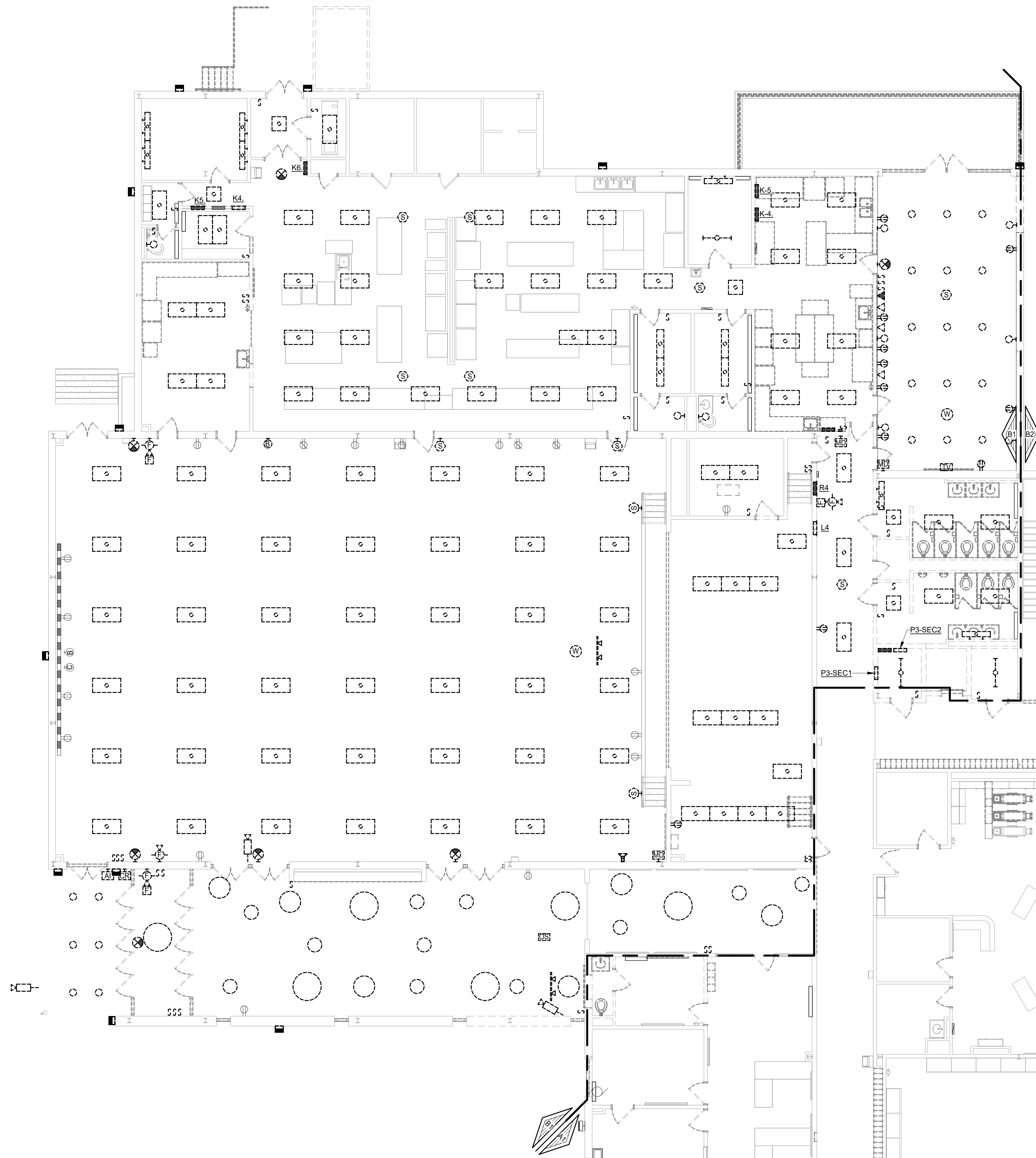
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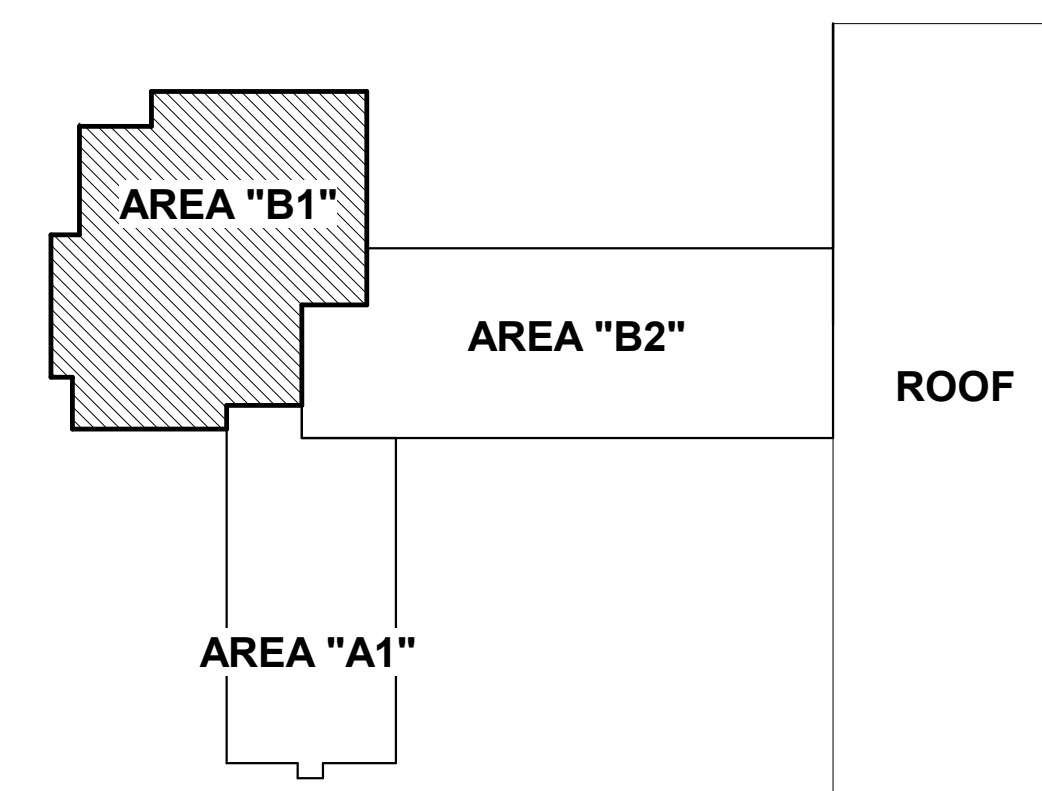
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GENERAL NOTES:

1. AFTER DEMOLITION OF ELECTRICAL EQUIPMENT, ALL HOLES, PENETRATIONS, ETC LEFT IN EXISTING WALLS, FLOORS, ETC. SHALL BE PATCHED AND PAINTED TO MATCH ADJACENT FINISHES.
2. WHERE WORK PASSES THROUGH THE RENOVATION AREA TO SERVE OTHER PORTIONS OF THE BUILDING OR WORK IN THE RENOVATION AREA INVOLVED TO REMAIN, IT SHALL BE SUITABLY RELOCATED AND THE SYSTEMS RESTORED TO NORMAL. COORDINATE ANY OUTAGES WITH THE OWNER 7 DAYS IN ADVANCE.
3. ALL LIGHTING SHALL BE REMOVED ALONG WITH ASSOCIATED SWITCHING AND SENSORS IN ITS ENTIRETY.
4. ALL SECURITY CAMERAS AND WIRELESS ACCESS POINTS SHALL BE REMOVED AND TURNED OVER TO THE OWNER.

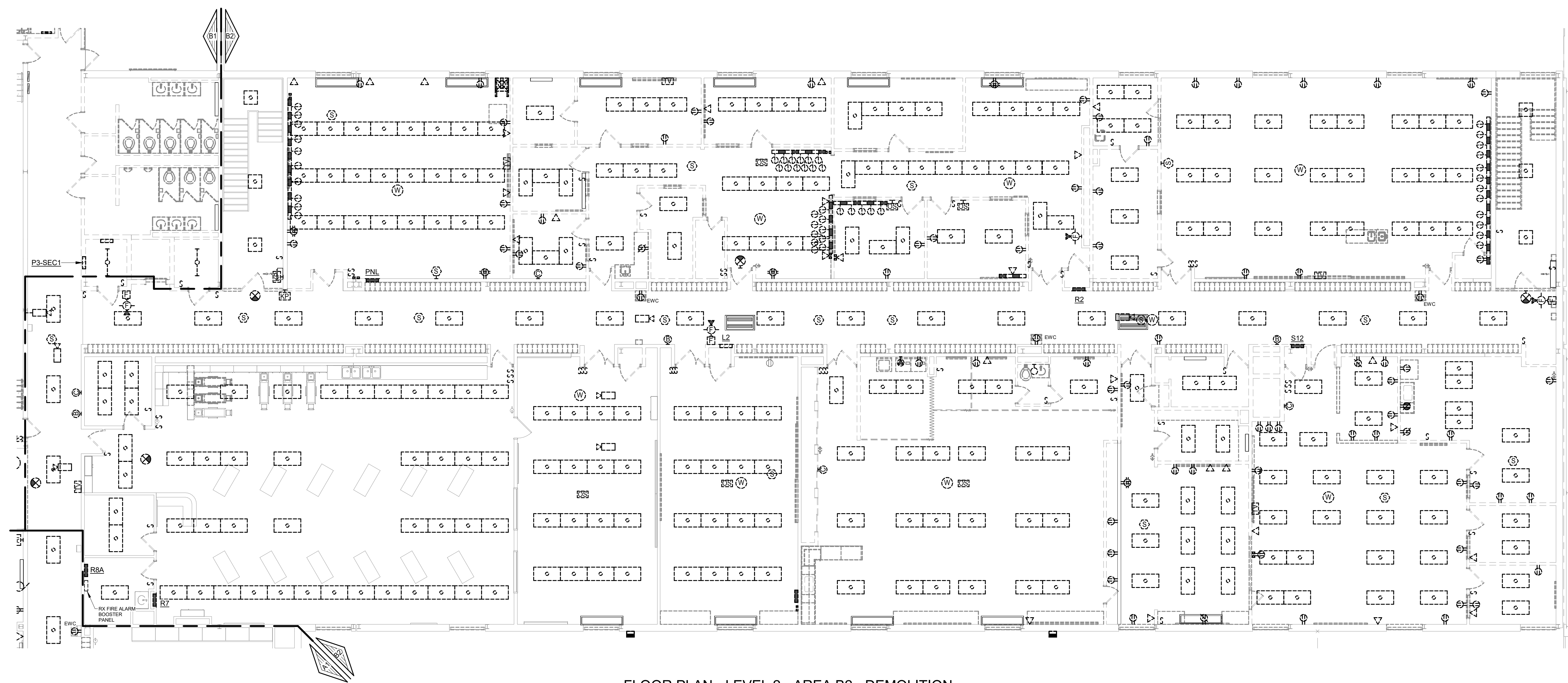


FLOOR PLAN - LEVEL 2 - AREA B1 - DEMOLITION
1/8" = 1'-0"

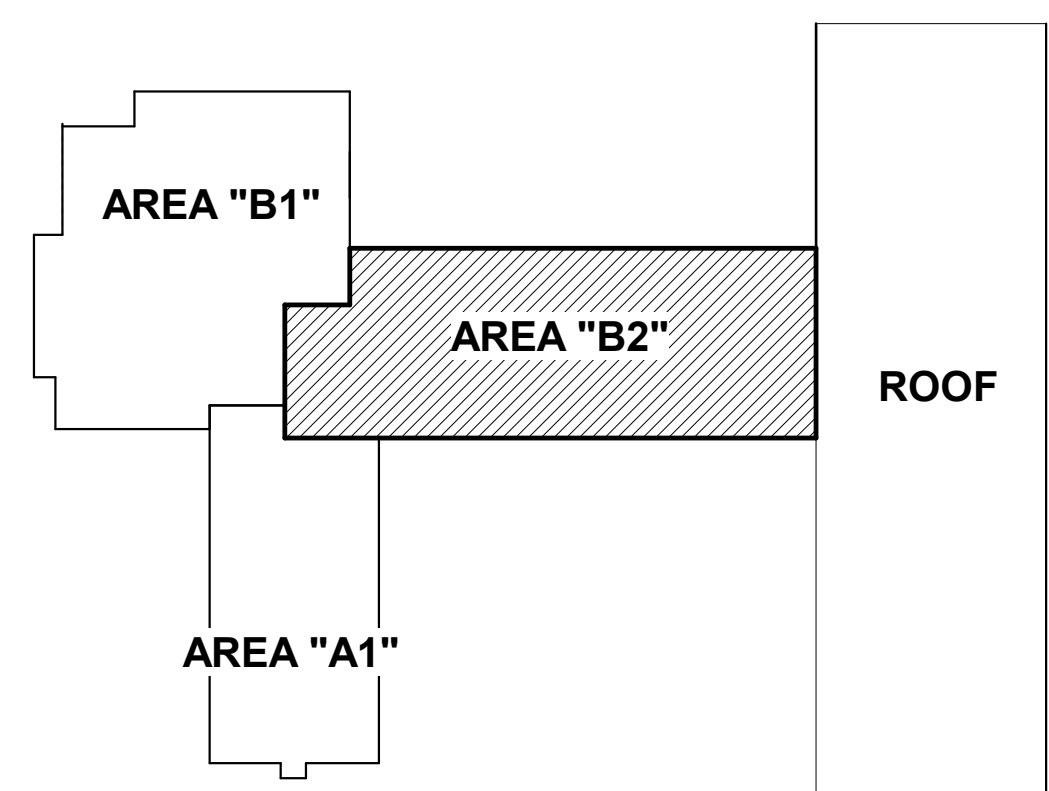


KEY PLAN LEVEL 2





FLOOR PLAN - LEVEL 2 - AREA B2 - DEMOLITION
1/8" = 1'-0"



KEY PLAN LEVEL 2



- GENERAL NOTES:

1. AFTER DEMOLITION OF ELECTRICAL EQUIPMENT, ALL HOLES, PENETRATIONS, ETC LEFT IN EXISTING WALLS, FLOORS, ROOF, ETC, SHALL BE PATCHED AND PAINTED TO MATCH ADJACENT FINISHES.
2. WHERE WORK PASSES THROUGH THE RENOVATION AREA, THE SERVICE OUTLET OR DISCONNECTS OF THE BUILDING OR WORK IN THE RENOVATION AREA INDICATED TO REMAIN, IT SHALL BE SUITABLY RELOCATED AND THE SYSTEMS RESTORED TO NORMAL. COORDINATE ANY OUTAGES WITH THE OWNER 7 DAYS IN ADVANCE.
3. ALL LIGHTING SHALL BE REMOVED ALONG WITH ASSOCIATED SWITCHING AND SENSORS IN ITS ENTIRETY.
4. ALL SECURITY CAMERAS AND WIRELESS ACCESS POINTS SHALL BE REMOVED AND TURNED OVER TO THE OWNER.

11

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PROJ # : 21-DCIU-03 DRAWN BY : Author

FLOOR PLAN - LEVEL 2
AREA B2 -
DEMOLITION

SHEET NUMBER: _____

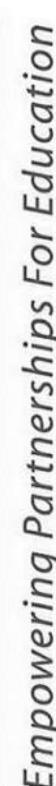
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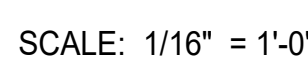
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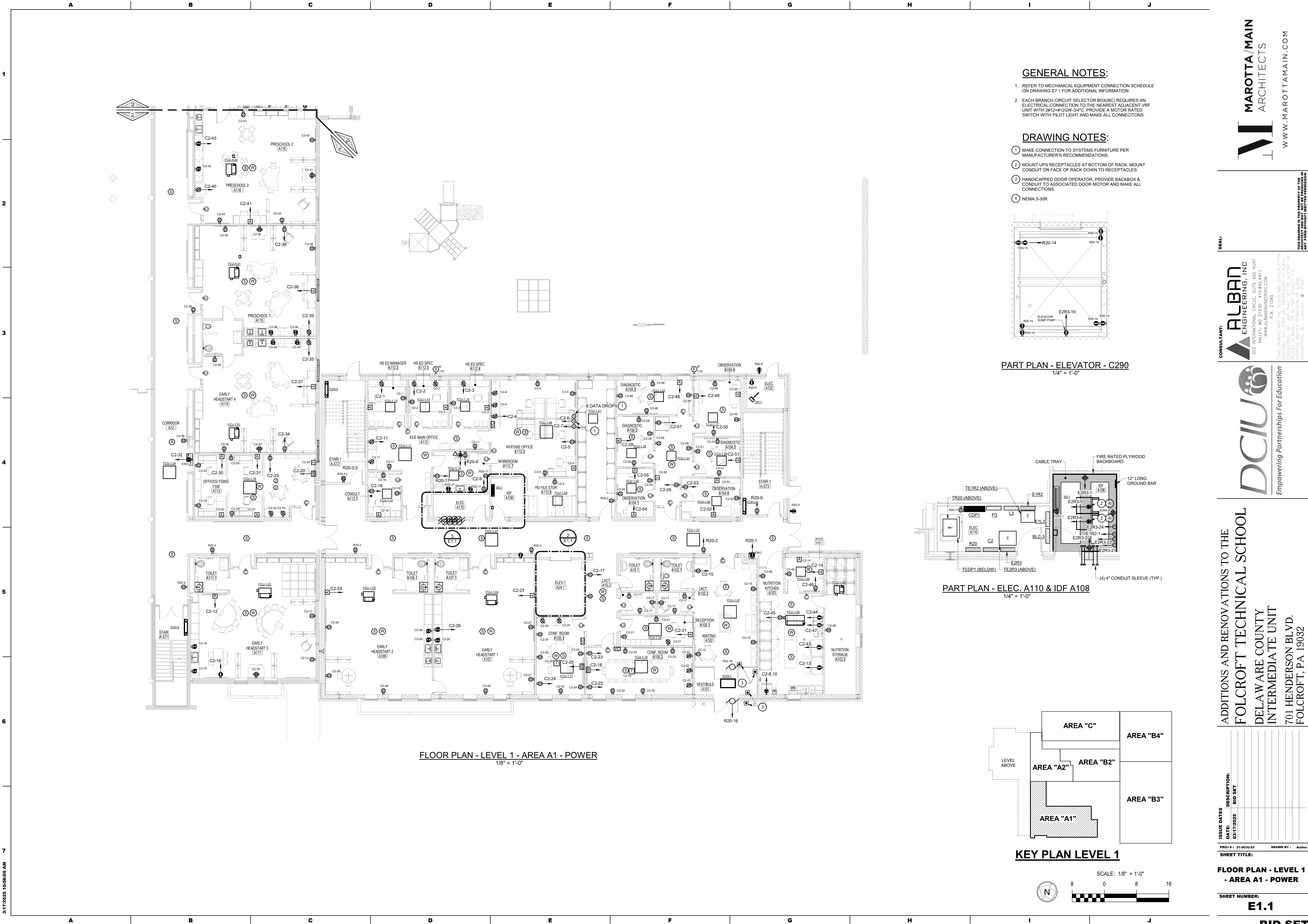
88011

DEMOLITION

ED1.8

BID SET


$$1/16'' = 1'-0''$$



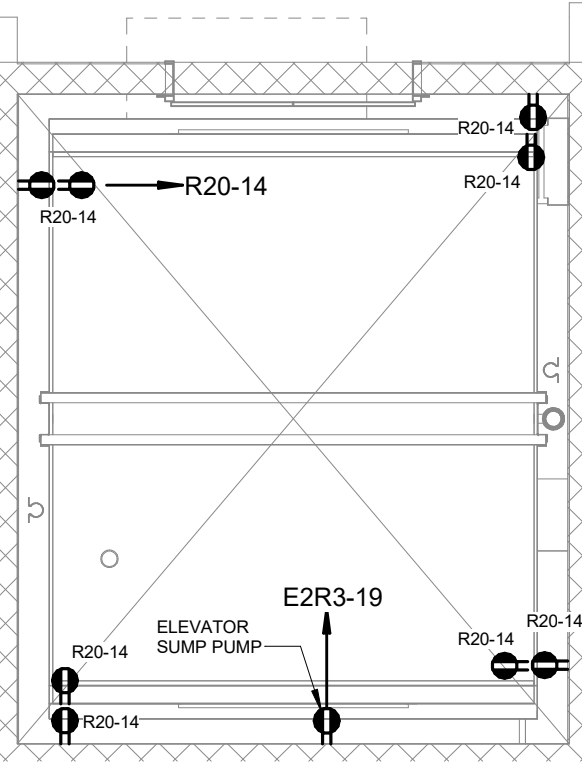
FLOOR PLAN - LEVEL 1 - AREA A1 - POWER
1/8" = 1'-0"

GENERAL NOTES:

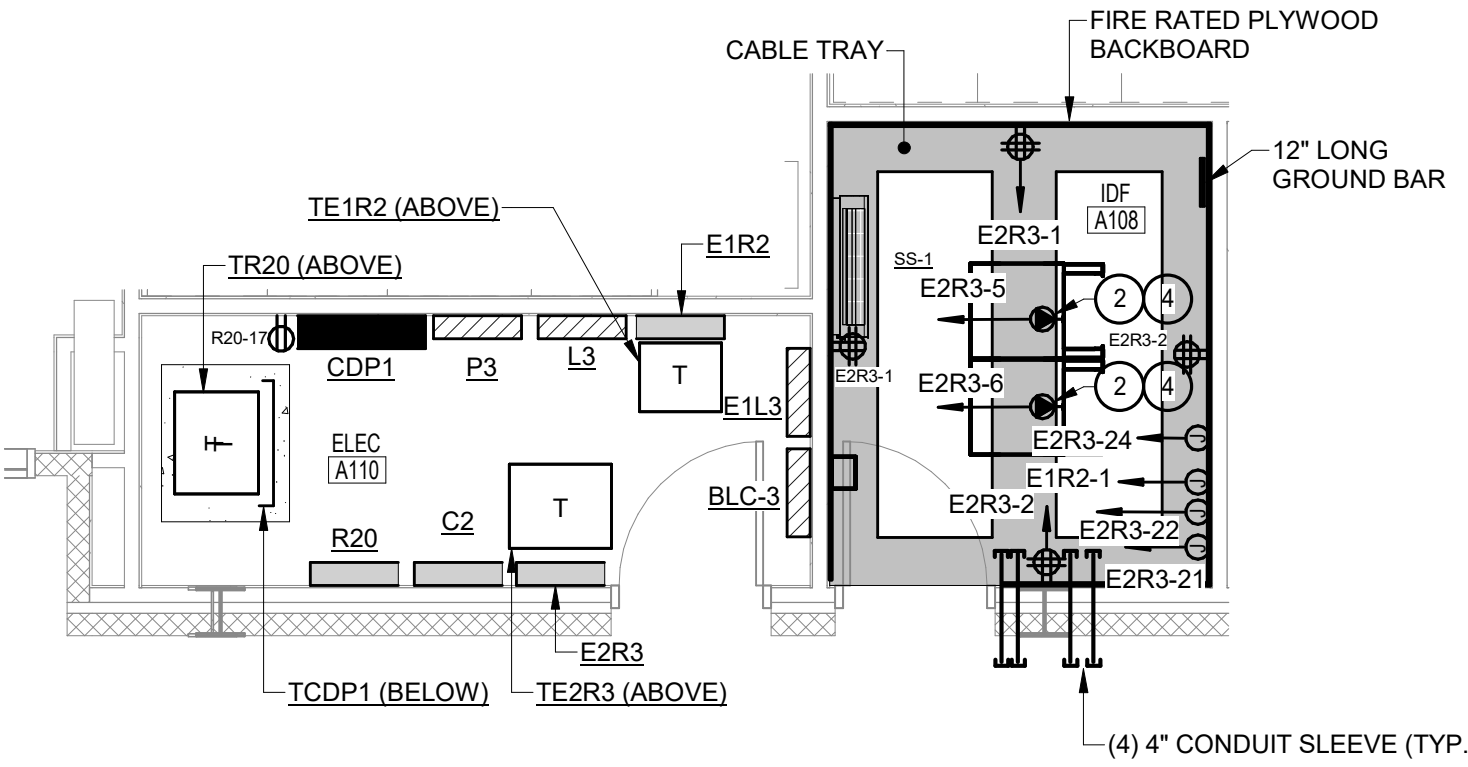
1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON DRAWING E7.1 FOR ADDITIONAL INFORMATION.
2. EACH BRANCH CIRCUIT SELECTOR BOX(BC) REQUIRES AN ELECTRICAL CONNECTION TO THE NEAREST ADJACENT VRF UNIT WITH 2#12-HIGH DOW-34°C. PROVIDE A MOTOR RATED SWITCH WITH PILOT LIGHT AND MAKE ALL CONNECTIONS.

DRAWING NOTES:

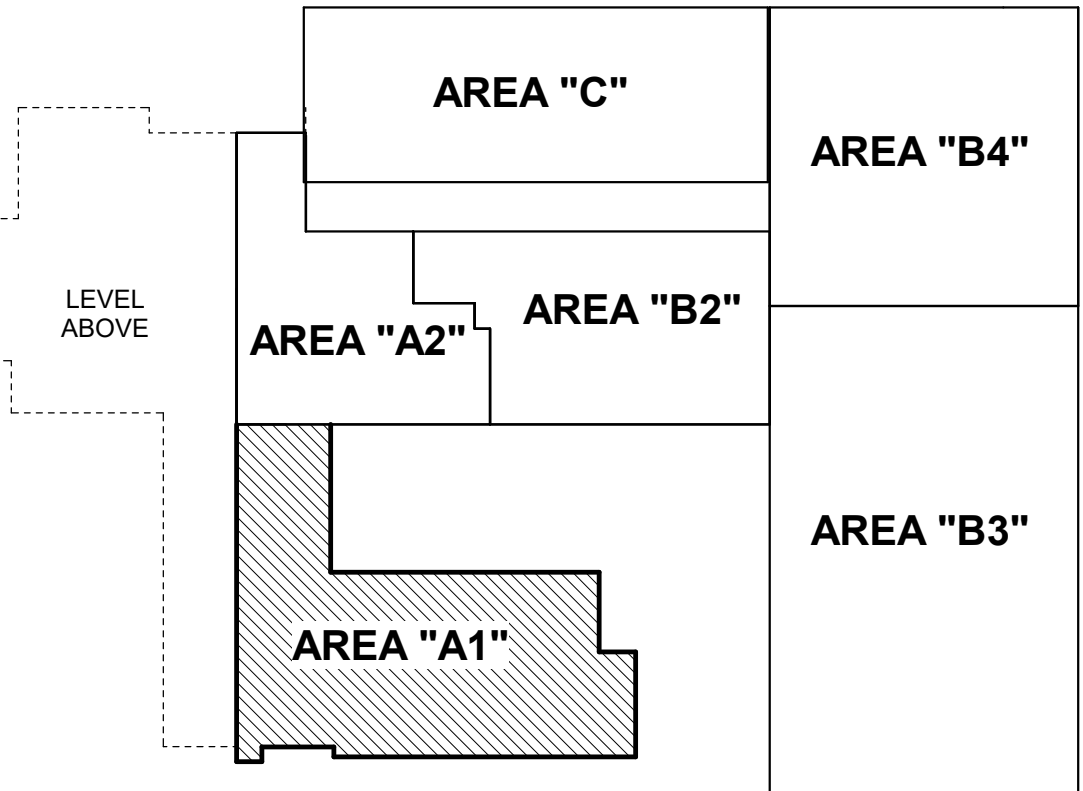
1. MAKE CONNECTION TO SYSTEMS FURNITURE PER MANUFACTURER'S RECOMMENDATIONS.
2. MOUNT UPS RECEPTACLES AT BOTTOM OF RACK. MOUNT CONDUIT ON FACE OF RACK DOWN TO RECEPTACLES.
3. HANDICAPPED DOOR OPERATOR. PROVIDE BACKBOX & CONDUIT TO ASSOCIATED DOOR MOTOR AND MAKE ALL CONNECTIONS.
4. NEMA 5-30R.



PART PLAN - ELEVATOR - C290
1/4" = 1'-0"



PART PLAN - ELEC. A110 & IDF A108
1/4" = 1'-0"



KEY PLAN LEVEL 1



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DATE: 03/17/2025
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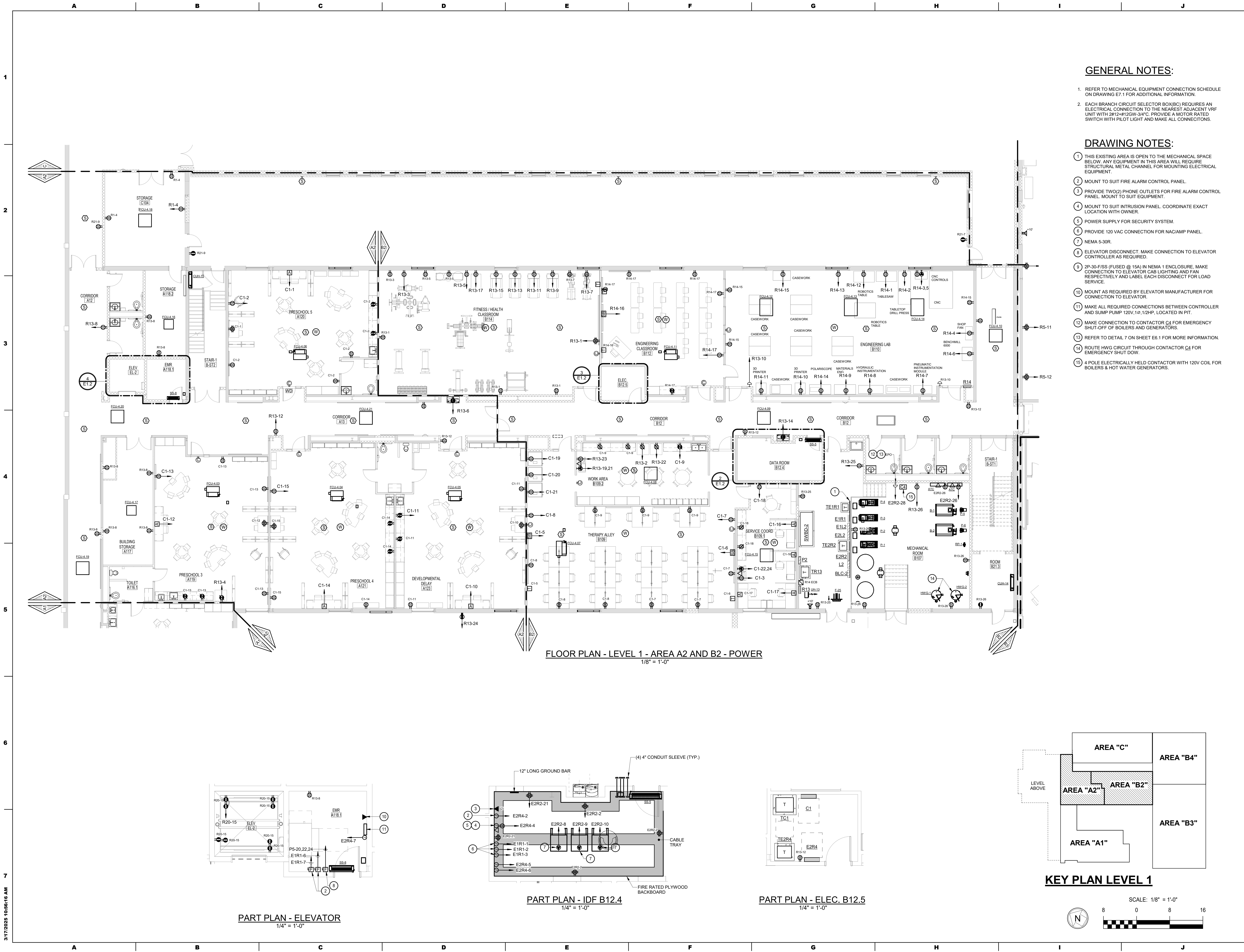
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FOLCROFT, PA 19032

FLOOR PLAN - LEVEL 1
- AREA A1 - POWER

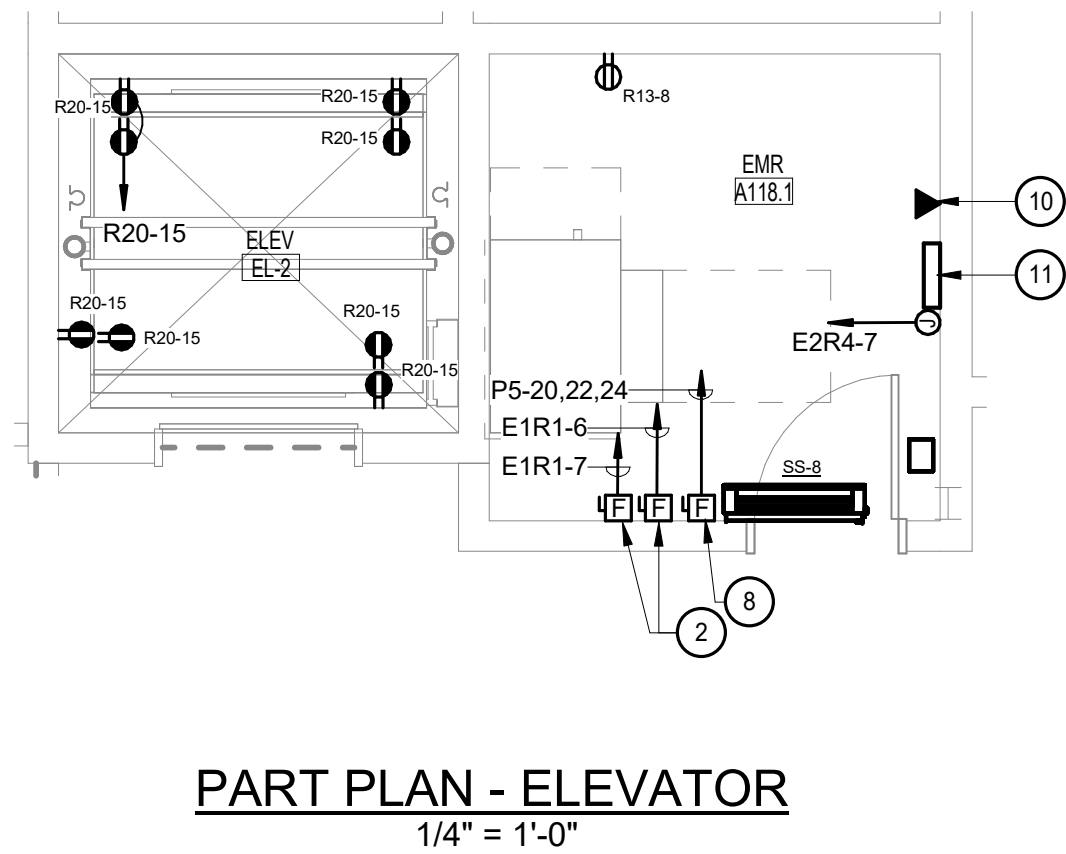
SHEET NUMBER:

E1.1

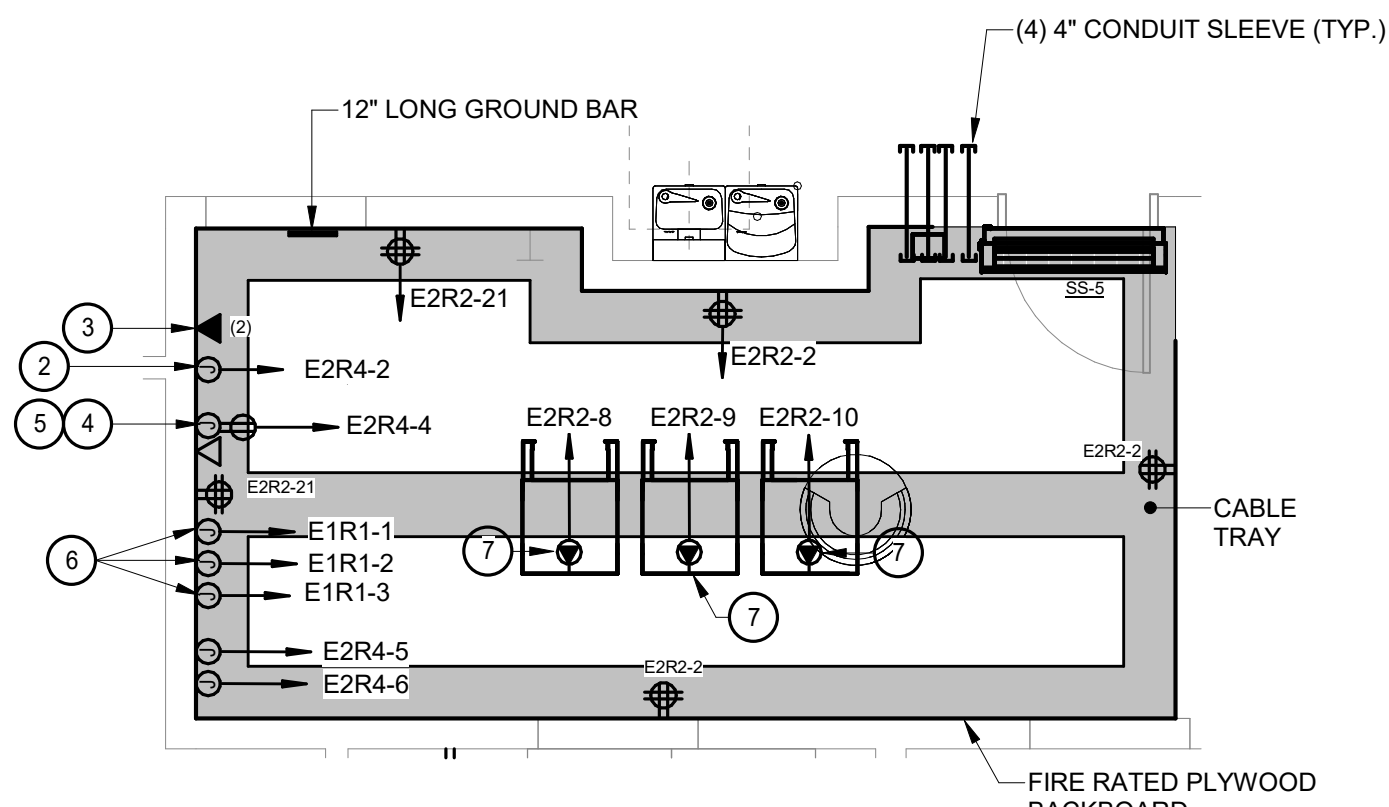
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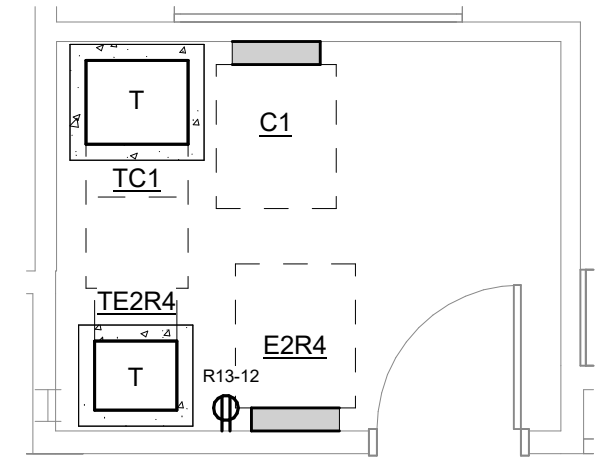
FLOOR PLAN - LEVEL 1 - AREA A2 AND B2 - POWER
1/8" = 1'-0"



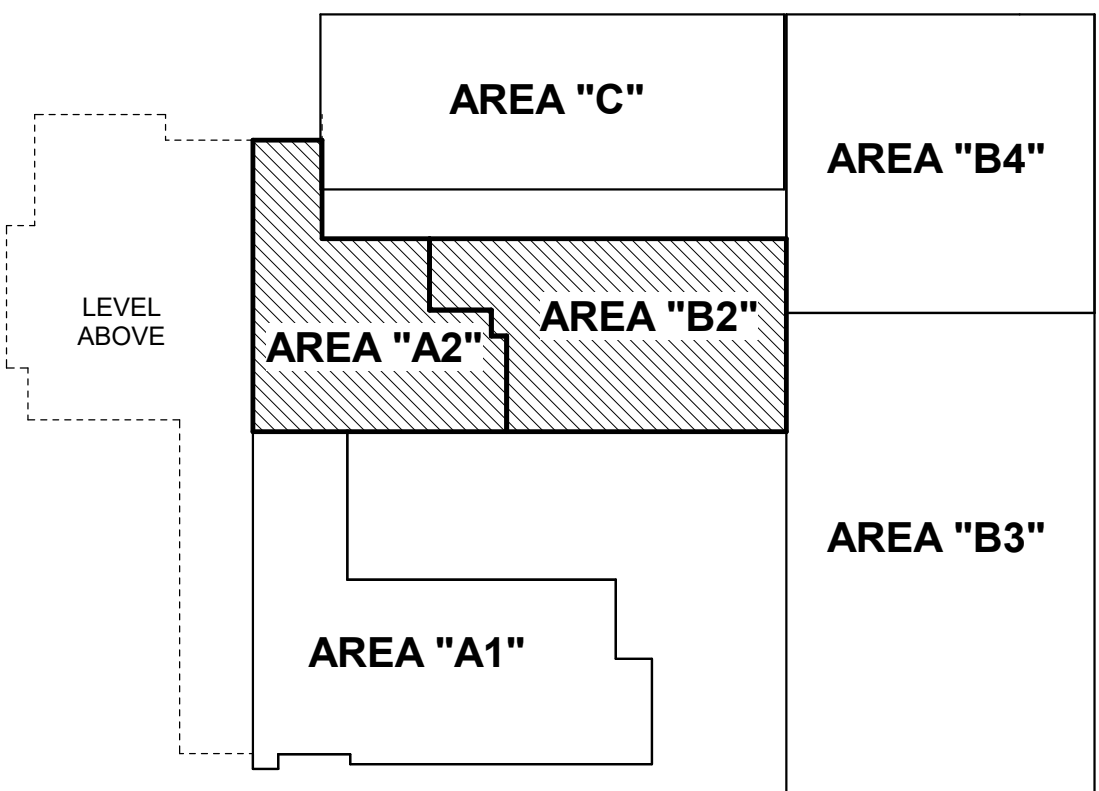
PART PLAN - ELEVATOR
1/4" = 1'-0"



PART PLAN - IDF B12.4
1/4" = 1'-0"



PART PLAN - ELEC. B12.5
1/4" = 1'-0"



KEY PLAN LEVEL 1



GENERAL NOTES:

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON DRAWING E7.1 FOR ADDITIONAL INFORMATION.
2. EACH BRANCH CIRCUIT SELECTOR BOX(BC) REQUIRES AN ELECTRICAL CONNECTION TO THE NEAREST ADJACENT VRF UNIT WITH 2W-2-H-23W-3-4°C. PROVIDE A MOTOR RATED SWITCH WITH PILOT LIGHT AND MAKE ALL CONNECTIONS.

DRAWING NOTES:

1. THIS EXISTING AREA IS OPEN TO THE MECHANICAL SPACE BELOW. ANY EQUIPMENT IN THIS AREA WILL REQUIRE STRUCTURAL METAL CHANNEL FOR MOUNTING ELECTRICAL EQUIPMENT.
2. MOUNT TO SUIT FIRE ALARM CONTROL PANEL.
3. PROVIDE TWO(2) PHONE OUTLETS FOR FIRE ALARM CONTROL PANEL. MOUNT TO SUIT EQUIPMENT.
4. MOUNT TO SUIT INTRUSION PANEL. COORDINATE EXACT LOCATION WITH OWNER.
5. POWER SUPPLY FOR SECURITY SYSTEM.
6. PROVIDE 120 VAC CONNECTION FOR NAC/AMP PANEL.
7. NEMA 5-30R.
8. ELEVATOR DISCONNECT. MAKE CONNECTION TO ELEVATOR CONTROLLER AS REQUIRED.
9. 2P-30-FSS (FUSED @ 15A) IN NEMA 1 ENCLOSURE. MAKE CONNECTION TO ELEVATOR CAB LIGHTING AND FAN RESPECTIVELY AND LABEL EACH DISCONNECT FOR LOAD SERVICE.
10. MOUNT AS REQUIRED BY ELEVATOR MANUFACTURER FOR CONNECTION TO ELEVATOR.
11. MAKE ALL REQUIRED CONNECTIONS BETWEEN CONTROLLER AND SUMP PUMP 120V, 1Ø, 1/2HP, LOCATED IN PIT.
12. MAKE CONNECTION TO CONTACTOR C4 FOR EMERGENCY SHUT-OFF OF BOILERS AND GENERATORS.
13. REFER TO DETAIL 7 ON SHEET E6.1 FOR MORE INFORMATION.
14. ROUTE HWG CIRCUIT THROUGH CONTACTOR C4 FOR EMERGENCY SHUT DOWN.
15. POLE ELECTRICALLY HELD CONTACTOR WITH 120V COIL FOR BOILERS & HOT WATER GENERATORS.

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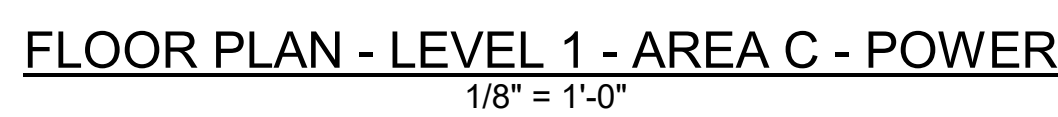
ISSUE DATES	DESCRIPTION	DATE	BY
03/17/2025	BID SET		

PROJ #	21-DCIU-03	DRAWN BY	Author
SHEET TITLE:	FLOOR PLAN - LEVEL 1 - AREA A2 AND B2 - POWER		
SHEET NUMBER:	E1.2		

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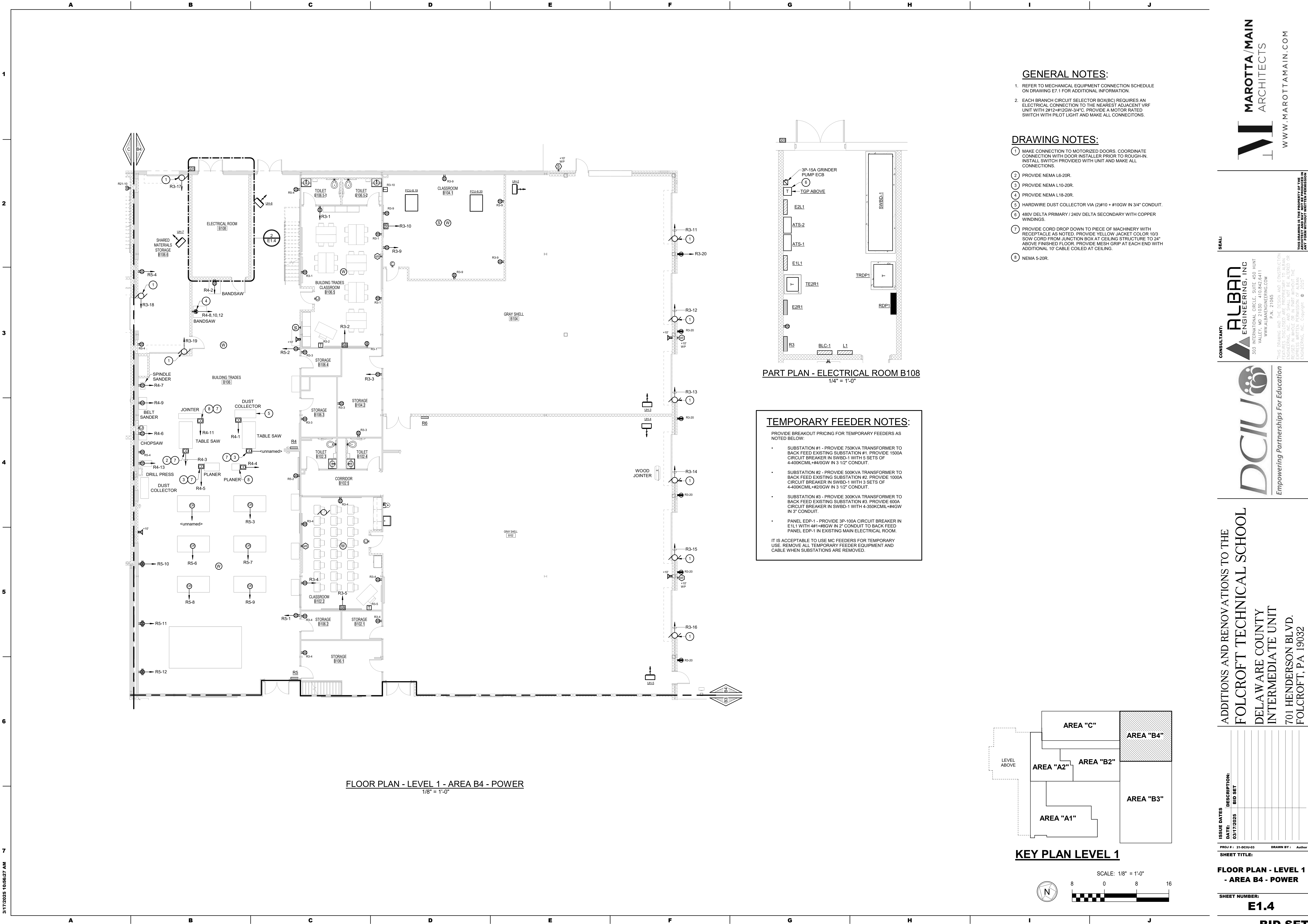


1. PROVIDE DIRECT CONNECTION TO RELOCATED KODIAK CHARGER CONNECT WITH 1/4" SO CORD AND PROVIDED A 10' SERVICE LOOP AND A J-HOOK MOUNTED ON WALL BEHIND UNIT.
2. MOMENTARY CONTACT SWITCH FOR AIR FILTRATION UNIT CONTACTOR CONTROL IN SAME AREA. ALL FILTRATION UNITS TO OPERATE TOGETHER.
3. A POLE MECHANICALLY HELD CONTACTOR WITH 120V COIL FOR VENTILATION UNITS. CONTROL WITH MOMENTARY CONTACT SWITCH.
4. PROVIDE DOUBLE GANG BACKBOX AT 18" ABOVE FINISHED FLOOR WITH 1-1/4" CONDUIT BACK TO PANEL R2 FOR FUTURE CIRCUIT.
5. MUST COLLECTOR CONTROL PANEL.
6. MUST COLLECTOR DISCONNECT ON EXTERIOR WALL. MAKE ALL CONNECTIONS FROM CONTROL PANEL AND UNIT MOTOR.
7. MUST COLLECTOR SHAKER MOTOR DISCONNECT ON EXTERIOR WALL. MAKE ALL CONNECTIONS FROM CONTROL PANEL AND UNIT MOTOR.
8. MAKE CONNECTION TO MOTORIZED DOORS. COORDINATE CONNECTION WITH DOOR INSTALLER PRIOR TO ROUGH-IN. NOTIFY SWITCH PROVIDED WITH UNIT AND MAKE ALL CONNECTIONS.

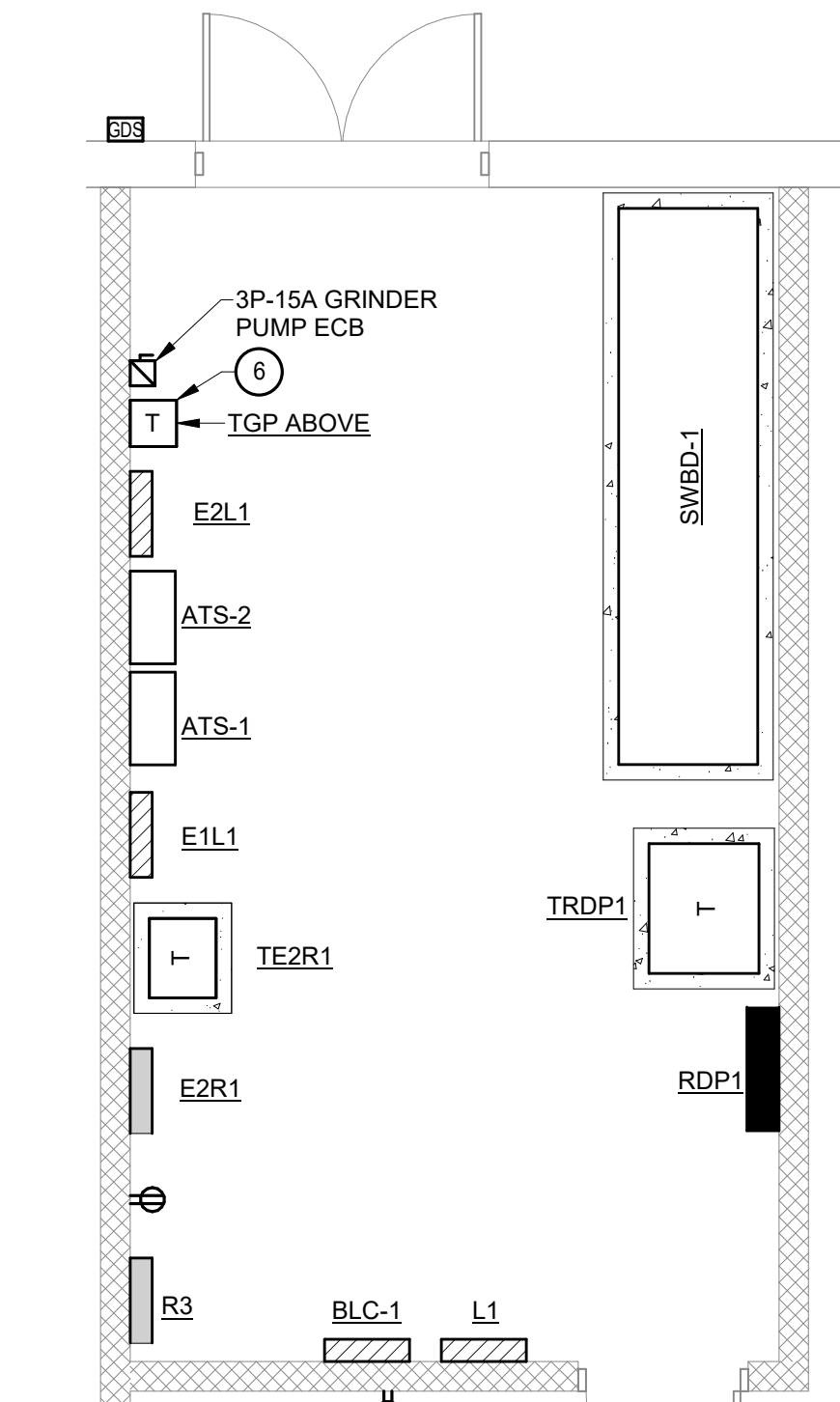
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FLOOR PLAN - LEVEL 1 - AREA B4 - POWER
1/8" = 1'-0"



PART PLAN - ELECTRICAL ROOM B108
1/4" = 1'-0"

TEMPORARY FEEDER NOTES:

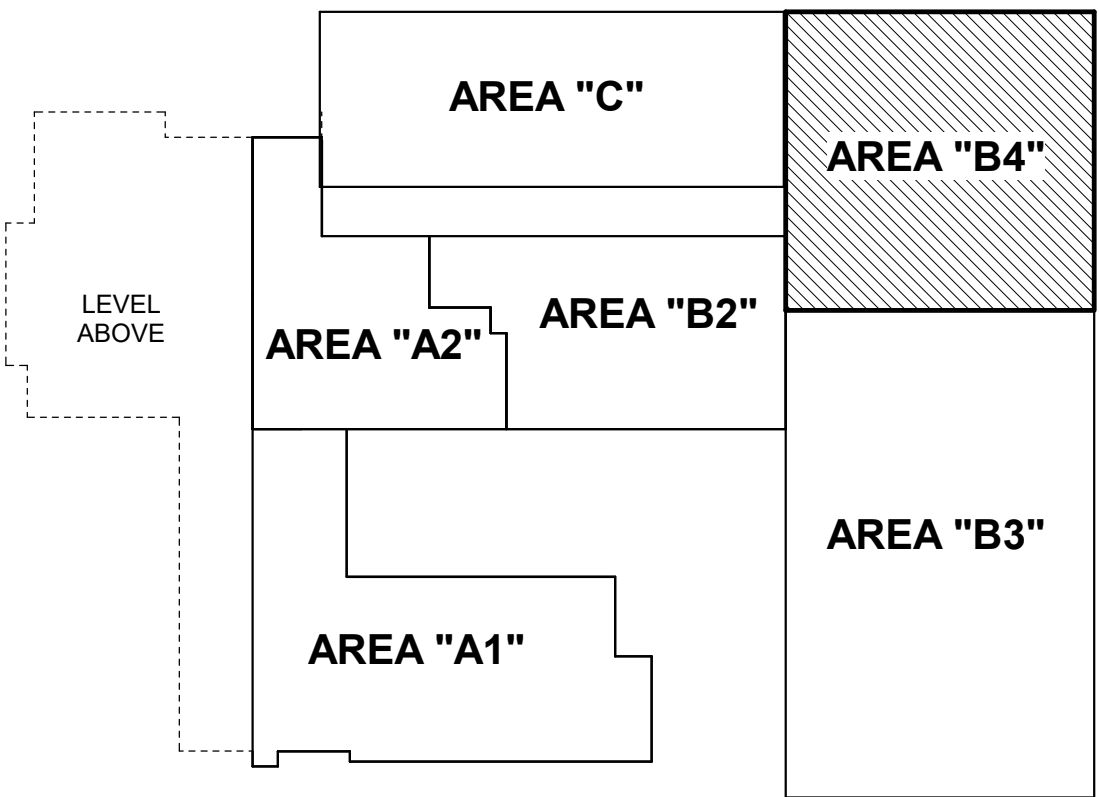
- PROVIDE BREAKOUT PRICING FOR TEMPORARY FEEDERS AS NOTED BELOW.
- SUBSTATION #1 - PROVIDE 750KVA TRANSFORMER TO BACK FEED EXISTING SUBSTATION #1. PROVIDE 1500A CIRCUIT BREAKER IN SWBD-1 WITH 5 SETS OF 4-400KCMIL+4#10GW IN 3 1/2" CONDUIT.
 - SUBSTATION #2 - PROVIDE 500KVA TRANSFORMER TO BACK FEED EXISTING SUBSTATION #2. PROVIDE 1000A CIRCUIT BREAKER IN SWBD-1 WITH 5 SETS OF 4-400KCMIL+4#10GW IN 3 1/2" CONDUIT.
 - SUBSTATION #3 - PROVIDE 300KVA TRANSFORMER TO BACK FEED EXISTING SUBSTATION #3. PROVIDE 600A CIRCUIT BREAKER IN SWBD-1 WITH 4-350KCMIL+4#8GW IN 3" CONDUIT.
 - PANEL EDP-1 - PROVIDE 3P-100A CIRCUIT BREAKER IN E1L1 WITH 4#1+8GW IN 2" CONDUIT TO BACK FEED PANEL EDP-1 IN EXISTING MAIN ELECTRICAL ROOM.
- IT IS ACCEPTABLE TO USE MC FEEDERS FOR TEMPORARY USE. REMOVE ALL TEMPORARY FEEDER EQUIPMENT AND CABLE WHEN SUBSTATIONS ARE REMOVED.

GENERAL NOTES:

- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON DRAWING E7.1 FOR ADDITIONAL INFORMATION.
- EACH BRANCH CIRCUIT SELECTOR BOX(BC) REQUIRES AN ELECTRICAL CONNECTION TO THE NEAREST ADJACENT VRF UNIT WITH 2#12+1#10GW-3/4"Ø. PROVIDE A MOTOR RATED SWITCH WITH PILOT LIGHT AND MAKE ALL CONNECTIONS.

DRAWING NOTES:

- MAKE CONNECTION TO MOTORIZED DOORS. COORDINATE CONNECTION WITH DOOR INSTALLER PRIOR TO ROUGH-IN. INSTALL SWITCH PROVIDED WITH UNIT AND MAKE ALL CONNECTIONS.
- PROVIDE NEMA L6-20R.
- PROVIDE NEMA L10-20R.
- PROVIDE NEMA L18-20R.
- HARDWIRE DUST COLLECTOR VIA (2)#10 + #10GW IN 3/4" CONDUIT.
- 480V DELTA PRIMARY / 240V DELTA SECONDARY WITH COPPER WINDINGS.
- PROVIDE CORD DROP DOWN TO PIECE OF MACHINERY WITH RECEPTACLE AS NOTED. PROVIDE YELLOW JACKET COLOR 10/3 SOW CORD FROM JUNCTION BOX AT CEILING STRUCTURE TO 24" ABOVE FINISHED FLOOR. PROVIDE MESH GRIP AT EACH END WITH ADDITIONAL 10' CABLE COILED AT CEILING.
- NEMA 5-20R.



KEY PLAN LEVEL 1



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FLOOR PLAN - LEVEL 1
- AREA B4 - POWER

SHEET NUMBER:
E1.4

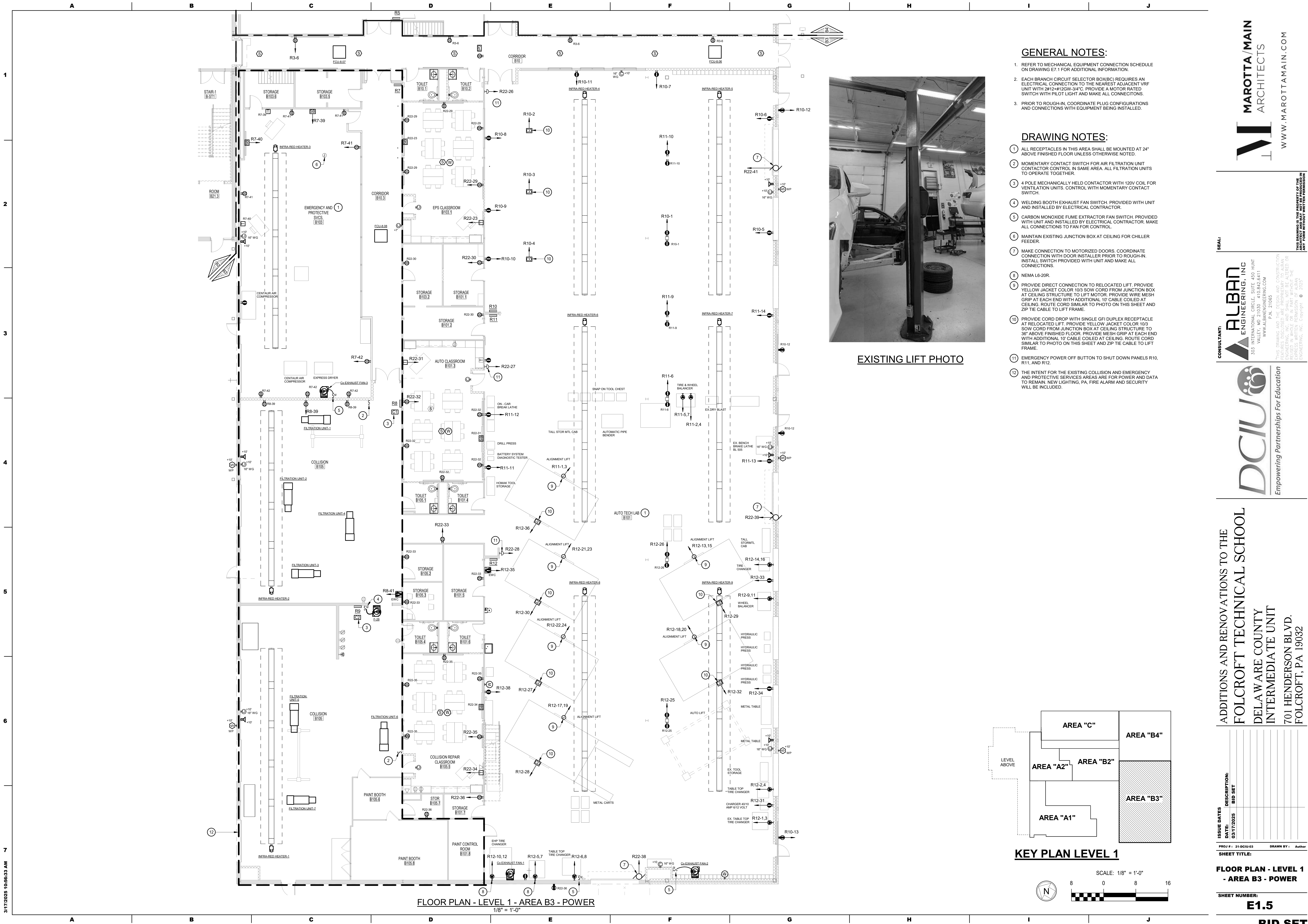
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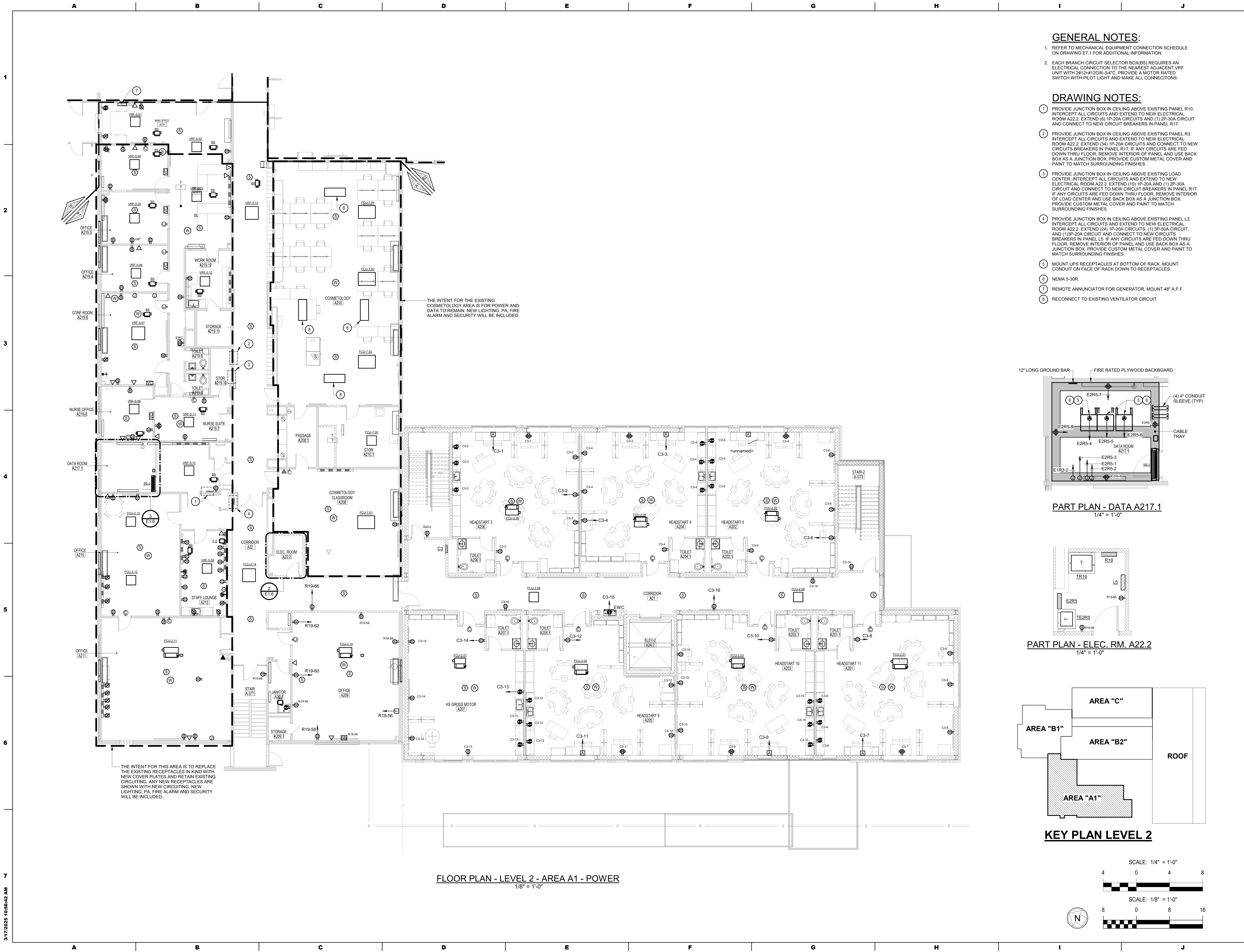
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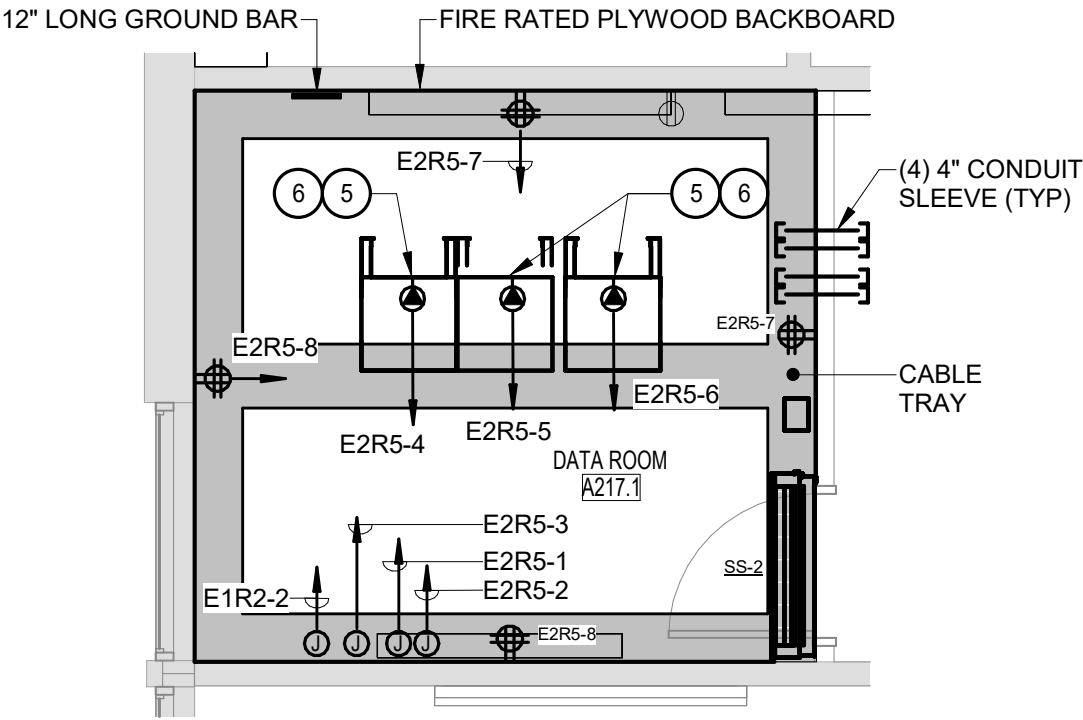


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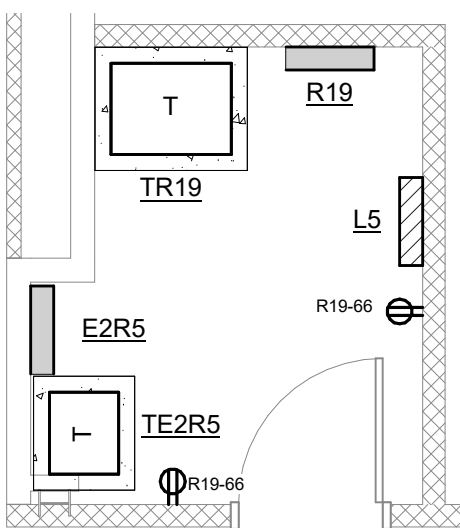
- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON DRAWING E7.1 FOR ADDITIONAL INFORMATION.
- EACH BRANCH CIRCUIT SELECTOR BOX(S) REQUIRES AN ELECTRICAL CONNECTION TO THE NEAREST ADJACENT VRF UNIT WITH 2#12+12GW-3/4". PROVIDE A MOTOR RATED SWITCH WITH PILOT LIGHT AND MAKE ALL CONNECTIONS.

DRAWING NOTES:

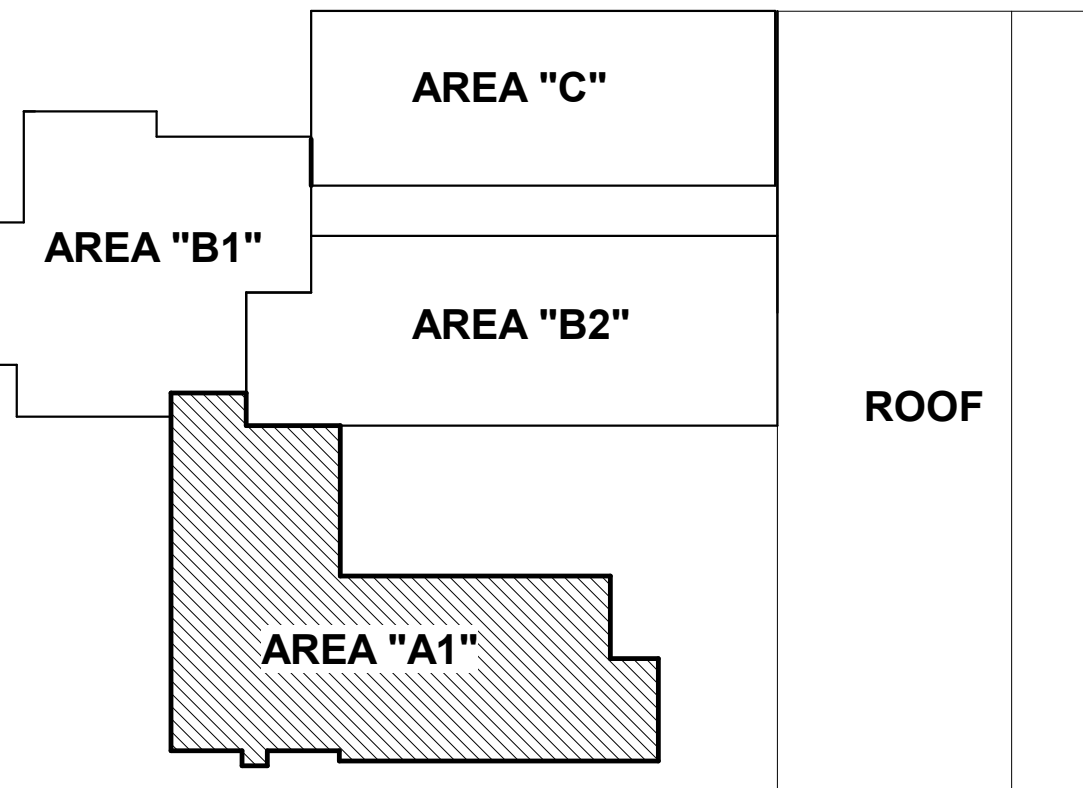
- PROVIDE JUNCTION BOX IN CEILING ABOVE EXISTING PANEL R10. INTERCEPT ALL CIRCUITS AND EXTEND TO NEW ELECTRICAL ROOM A22.2. EXTEND (6) 1P-20A CIRCUITS AND (1) 2P-30A CIRCUIT AND CONNECT TO NEW CIRCUIT BREAKERS IN PANEL R17.
- PROVIDE JUNCTION BOX IN CEILING ABOVE EXISTING PANEL R3. INTERCEPT ALL CIRCUITS AND EXTEND TO NEW ELECTRICAL ROOM A22.2. EXTEND (34) 1P-20A CIRCUITS AND CONNECT TO NEW CIRCUIT BREAKERS IN PANEL R17. IF ANY CIRCUITS ARE FED DOWN THRU FLOOR, REMOVE INTERIOR OF PANEL AND USE BACK BOX AS A JUNCTION BOX. PROVIDE CUSTOM METAL COVER AND PAINT TO MATCH SURROUNDING FINISHES.
- PROVIDE JUNCTION BOX IN CEILING ABOVE EXISTING LOAD CENTER. INTERCEPT ALL CIRCUITS AND EXTEND TO NEW ELECTRICAL ROOM A22.2. EXTEND (10) 1P-20A AND (1) 2P-30A CIRCUIT AND CONNECT TO NEW CIRCUIT BREAKERS IN PANEL R17. IF ANY CIRCUITS ARE FED DOWN THRU FLOOR, REMOVE INTERIOR OF LOAD CENTER AND USE BACK BOX AS A JUNCTION BOX. PROVIDE CUSTOM METAL COVER AND PAINT TO MATCH SURROUNDING FINISHES.
- PROVIDE JUNCTION BOX IN CEILING ABOVE EXISTING PANEL L3. INTERCEPT ALL CIRCUITS AND EXTEND TO NEW ELECTRICAL ROOM A22.2. EXTEND (24) 1P-20A CIRCUITS, (1) 3P-50A CIRCUIT, AND (1) 3P-20A CIRCUIT AND CONNECT TO NEW CIRCUIT BREAKERS IN PANEL L5. IF ANY CIRCUITS ARE FED DOWN THRU FLOOR, REMOVE INTERIOR OF PANEL AND USE BACK BOX AS A JUNCTION BOX. PROVIDE CUSTOM METAL COVER AND PAINT TO MATCH SURROUNDING FINISHES.
- MOUNT UPS RECEPTACLES AT BOTTOM OF RACK. MOUNT CONDUIT ON FACE OF RACK DOWN TO RECEPTACLES.
- NEMA 5-30R.
- REMOTE ANNUNCIATOR FOR GENERATOR, MOUNT 48" A.F.F.
- RECONNECT TO EXISTING VENTILATOR CIRCUIT.



PART PLAN - DATA A217.1
1/4" = 1'-0"



PART PLAN - ELEC. RM. A22.2
1/4" = 1'-0"



KEY PLAN LEVEL 2

SCALE: 1/4" = 1'-0"



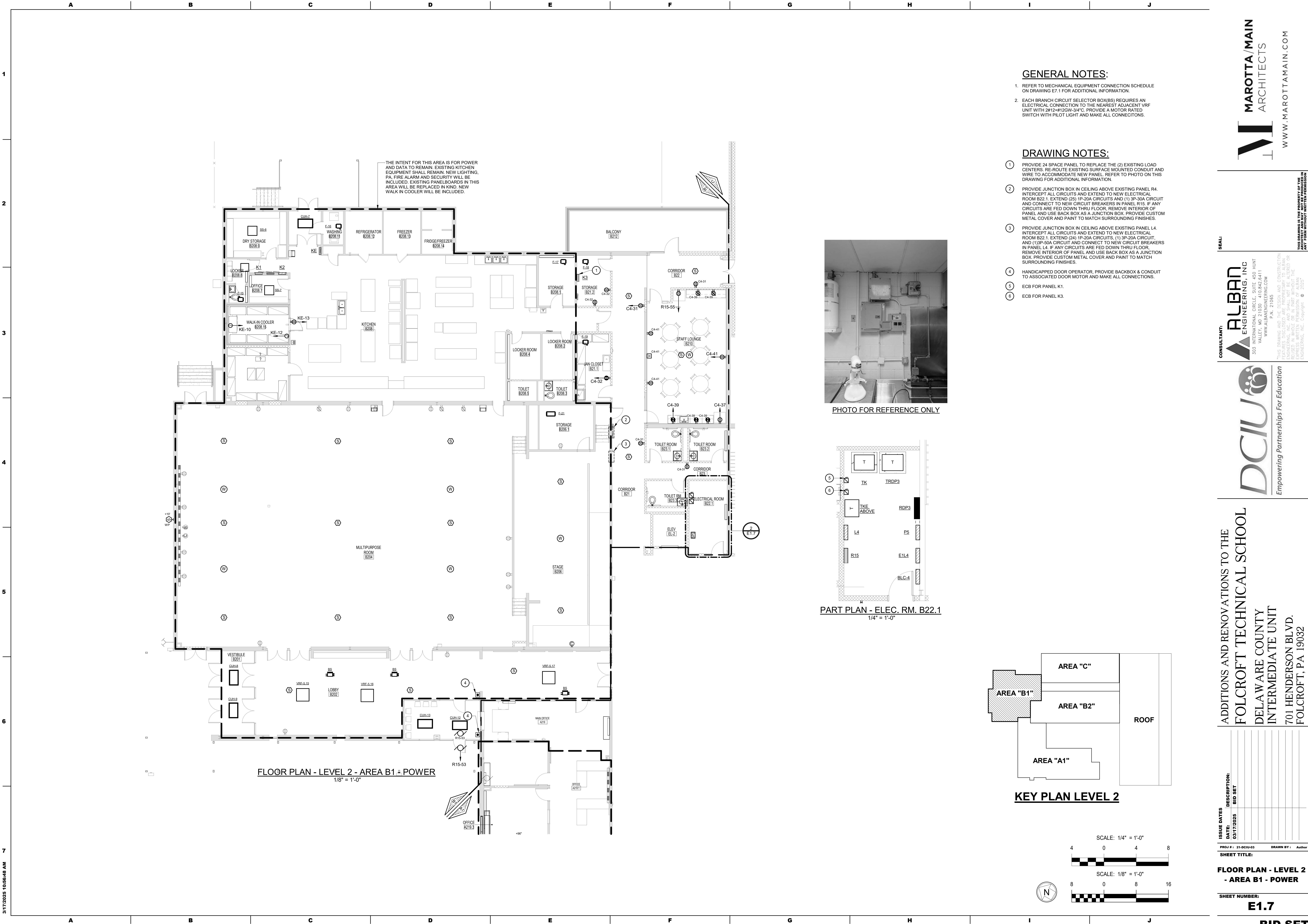
SCALE: 1/8" = 1'-0"



FLOOR PLAN - LEVEL 2 - AREA A1 - POWER
1/8" = 1'-0"

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FLOOR PLAN - LEVEL 2 - AREA B1 - POWER
1/8" = 1'-0"

GENERAL NOTES:

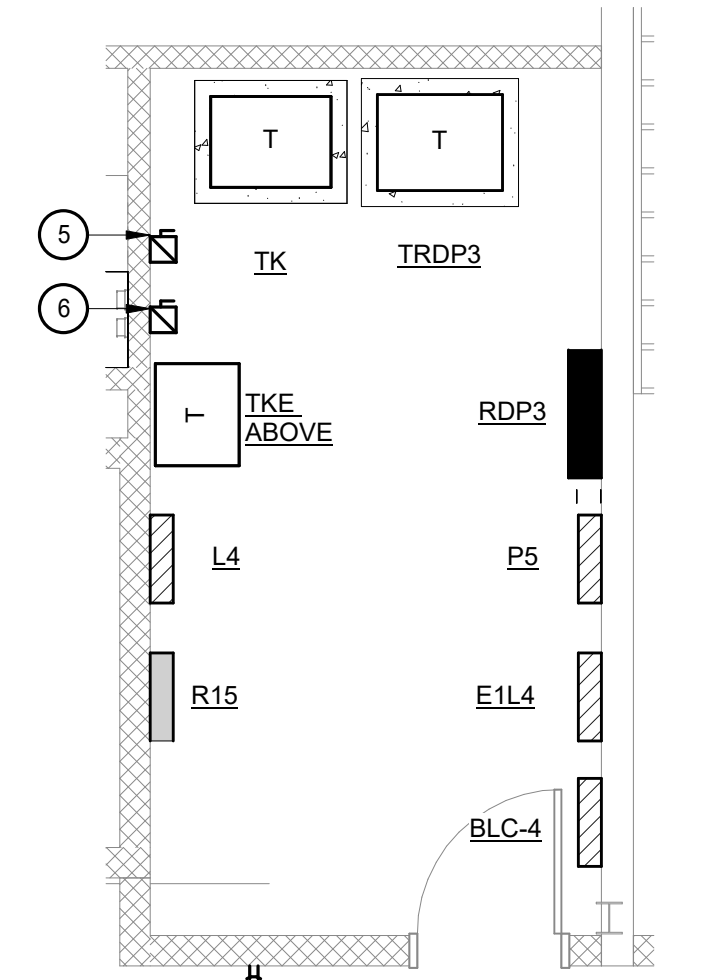
- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON DRAWING E7.1 FOR ADDITIONAL INFORMATION.
- EACH BRANCH CIRCUIT SELECTOR BOX(BS) REQUIRES AN ELECTRICAL CONNECTION TO THE NEAREST ADJACENT VRF UNIT WITH 2#12+1#12GV-347C. PROVIDE A MOTOR RATED SWITCH WITH PILOT LIGHT AND MAKE ALL CONNECTIONS.

DRAWING NOTES:

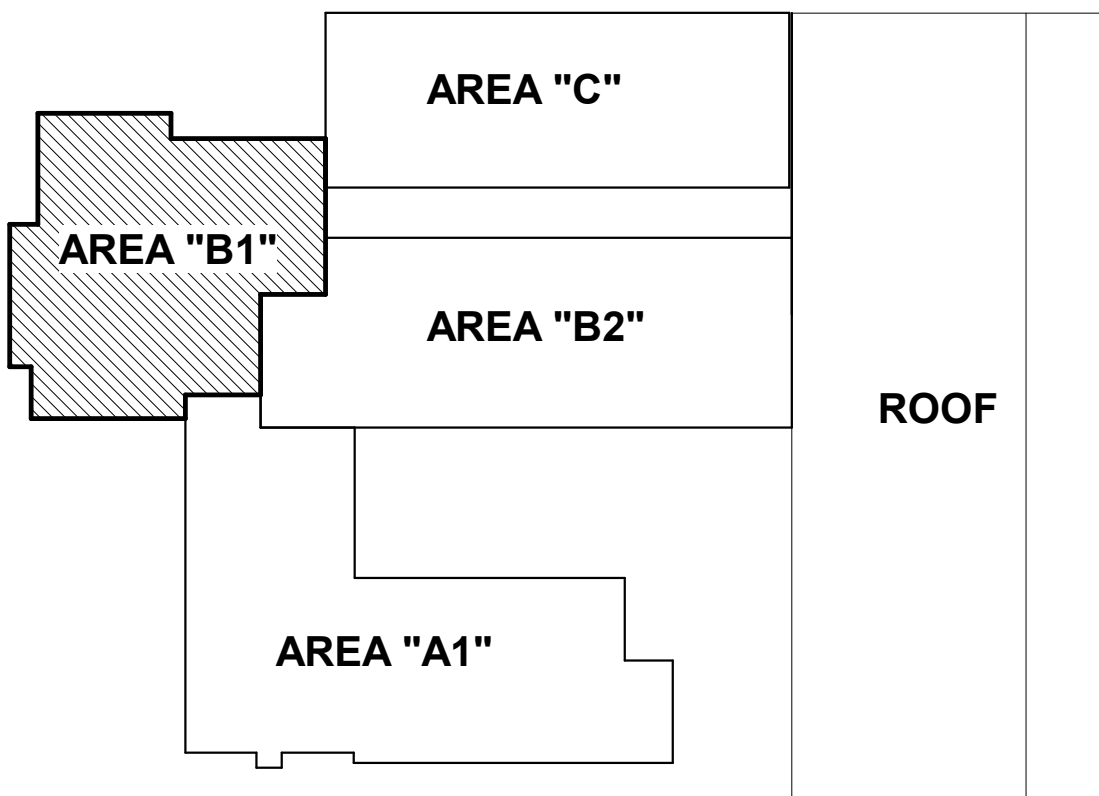
- PROVIDE 24 SPACE PANEL TO REPLACE THE (2) EXISTING LOAD CENTERS. RE-ROUTE EXISTING SURFACE MOUNTED CONDUIT AND WIRE TO ACCOMMODATE NEW PANEL. REFER TO PHOTO ON THIS DRAWING FOR ADDITIONAL INFORMATION.
- PROVIDE JUNCTION BOX IN CEILING ABOVE EXISTING PANEL R4. INTERCEPT ALL CIRCUITS AND EXTEND TO NEW ELECTRICAL ROOM B22.1. EXTEND (25) 1P-20A CIRCUITS AND (1) 3P-30A CIRCUIT AND CONNECT TO NEW CIRCUIT BREAKERS IN PANEL R15. IF ANY CIRCUITS ARE FED DOWN THRU FLOOR, REMOVE INTERIOR OF PANEL AND USE BACK BOX AS A JUNCTION BOX. PROVIDE CUSTOM METAL COVER AND PAINT TO MATCH SURROUNDING FINISHES.
- PROVIDE JUNCTION BOX IN CEILING ABOVE EXISTING PANEL L4. INTERCEPT ALL CIRCUITS AND EXTEND TO NEW ELECTRICAL ROOM B22.1. EXTEND (24) 1P-20A CIRCUITS, (1) 3P-20A CIRCUIT, AND (1) 3P-50A CIRCUIT AND CONNECT TO NEW CIRCUIT BREAKERS IN PANEL L4. IF ANY CIRCUITS ARE FED DOWN THRU FLOOR, REMOVE INTERIOR OF PANEL AND USE BACK BOX AS A JUNCTION BOX. PROVIDE CUSTOM METAL COVER AND PAINT TO MATCH SURROUNDING FINISHES.
- HANDICAPPED DOOR OPERATOR. PROVIDE BACKBOX & CONDUIT TO ASSOCIATED DOOR MOTOR AND MAKE ALL CONNECTIONS.
- ECB FOR PANEL K1.
- ECB FOR PANEL K3.



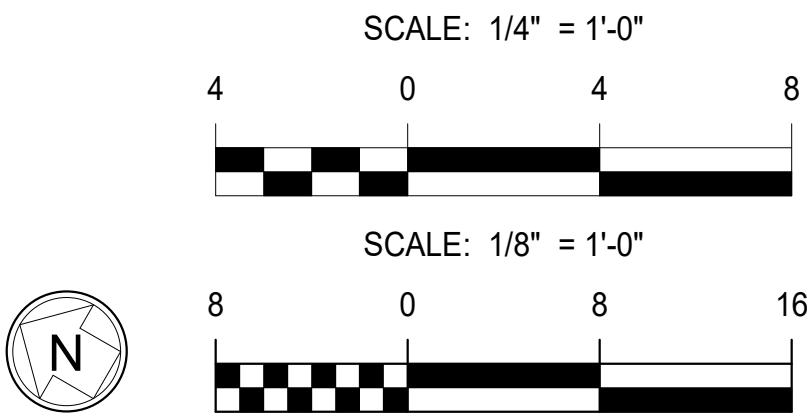
PHOTO FOR REFERENCE ONLY



PART PLAN - ELEC. RM. B22.1
1/4" = 1'-0"



KEY PLAN LEVEL 2



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FLOOR PLAN - LEVEL 2
- AREA B1 - POWER

SHEET NUMBER:

E1.7

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2. EACH BRANCH CIRCUIT SELECTOR BOX (BS) REQUIRES AN ELECTRICAL CONNECTION TO THE NEAREST ADJACENT VRF UNIT WITH 2#12-HF125W-3/4"FC. PROVIDE A MOTOR RATED SWITCH WITH PILOT LIGHT AND MAKE ALL CONNECTIONS.

DRAWING NOTES:

- 1 MOUNT UPS RECEPTACLES AT BOTTOM OF RACK. MOUNT CONDUIT ON FACE OF RACK DOWN TO RECEPTACLES.
- 2 NEMA 5-30R.
- 3 RECONNECT TO EXISTING VENTILATOR CIRCUIT.

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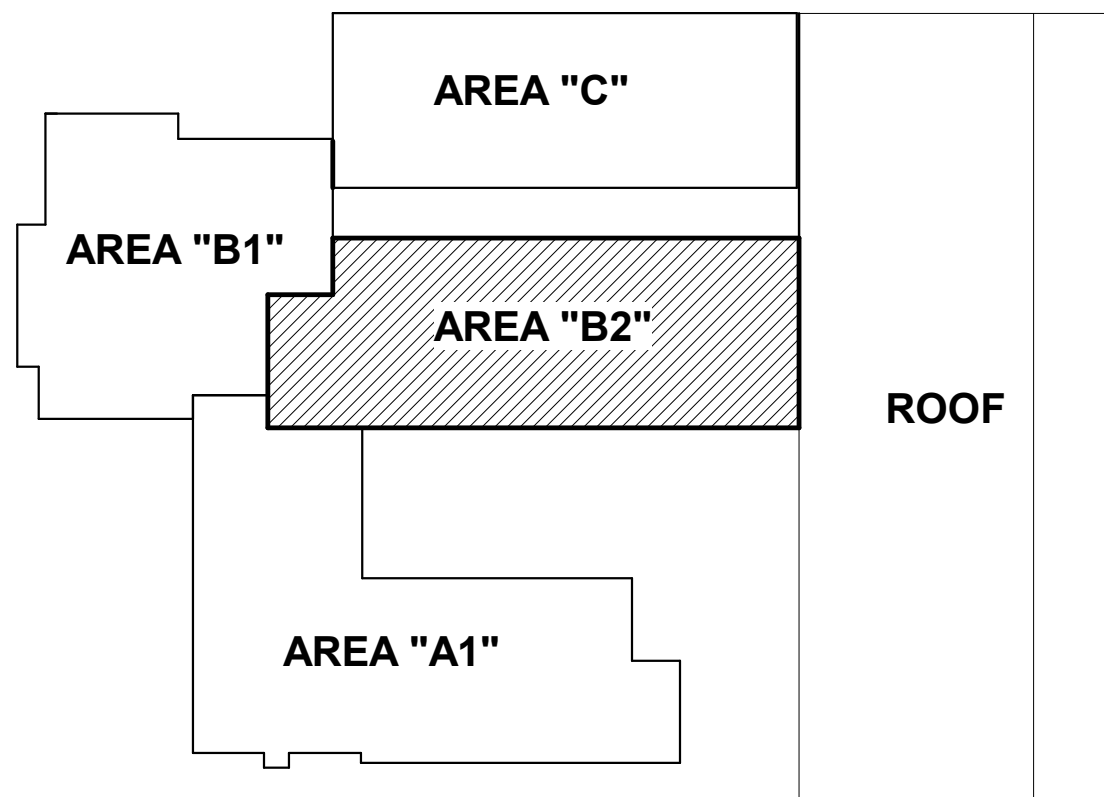
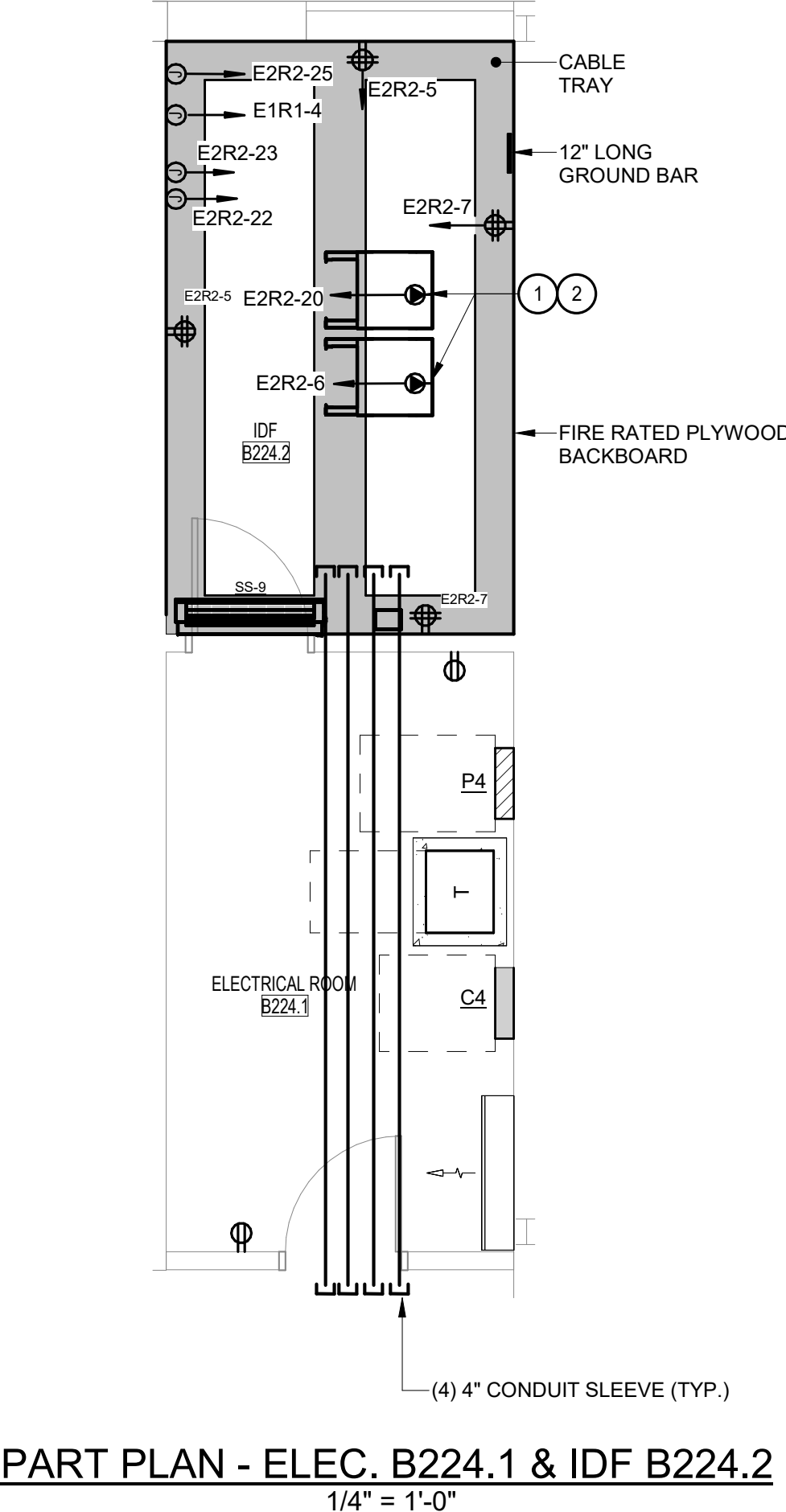
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FLOOR PLAN - LEVEL 2
- AREA B2 - POWER

SHEET NUMBER:

E1.8

BID SET

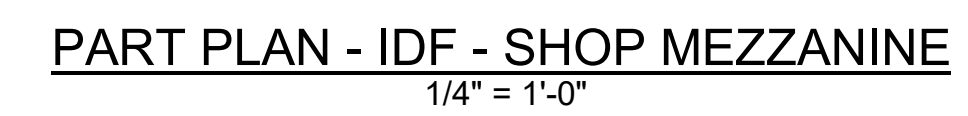


KEY PLAN LEVEL 2



1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON DRAWING E7.1 FOR ADDITIONAL INFORMATION.

- ① MOUNT UPS RECEPTACLES AT BOTTOM OF RACK. MOUNT CONDUIT ON FACE OF RACK DOWN TO RECEPTACLES.
- ② NEMA 5-30R.



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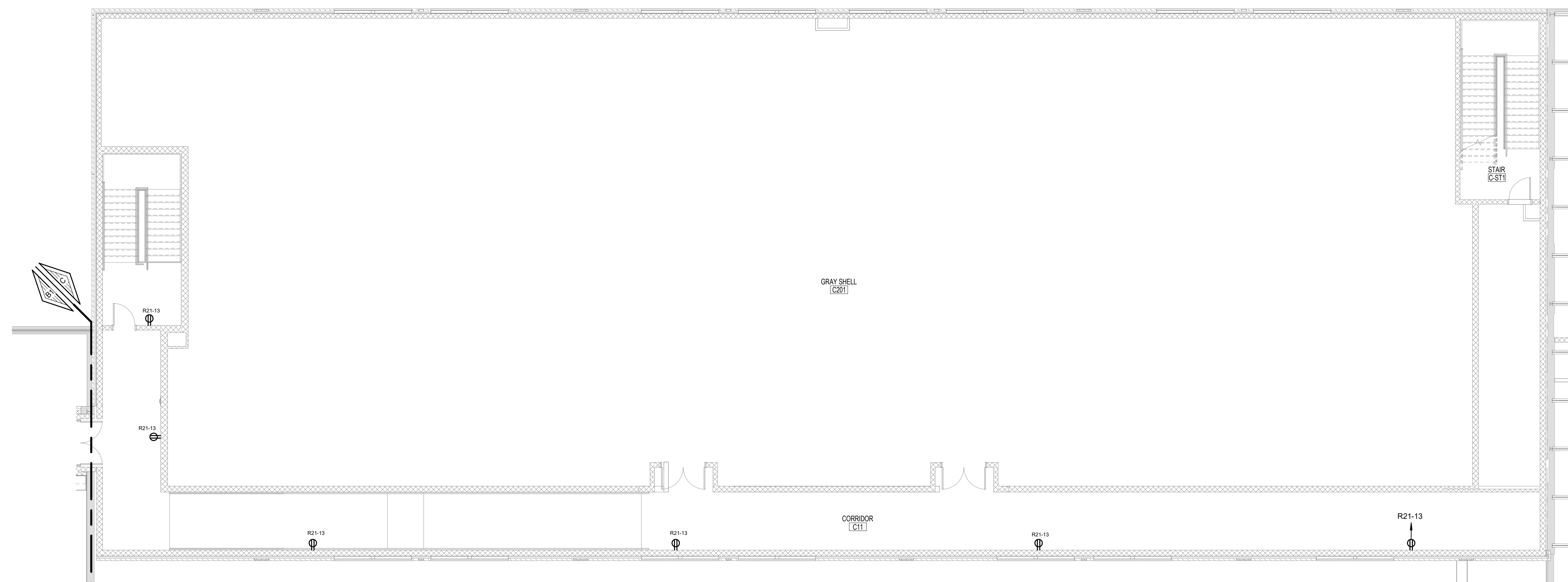
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FLOOR PLAN - LEVEL 2
- AREA C - POWER

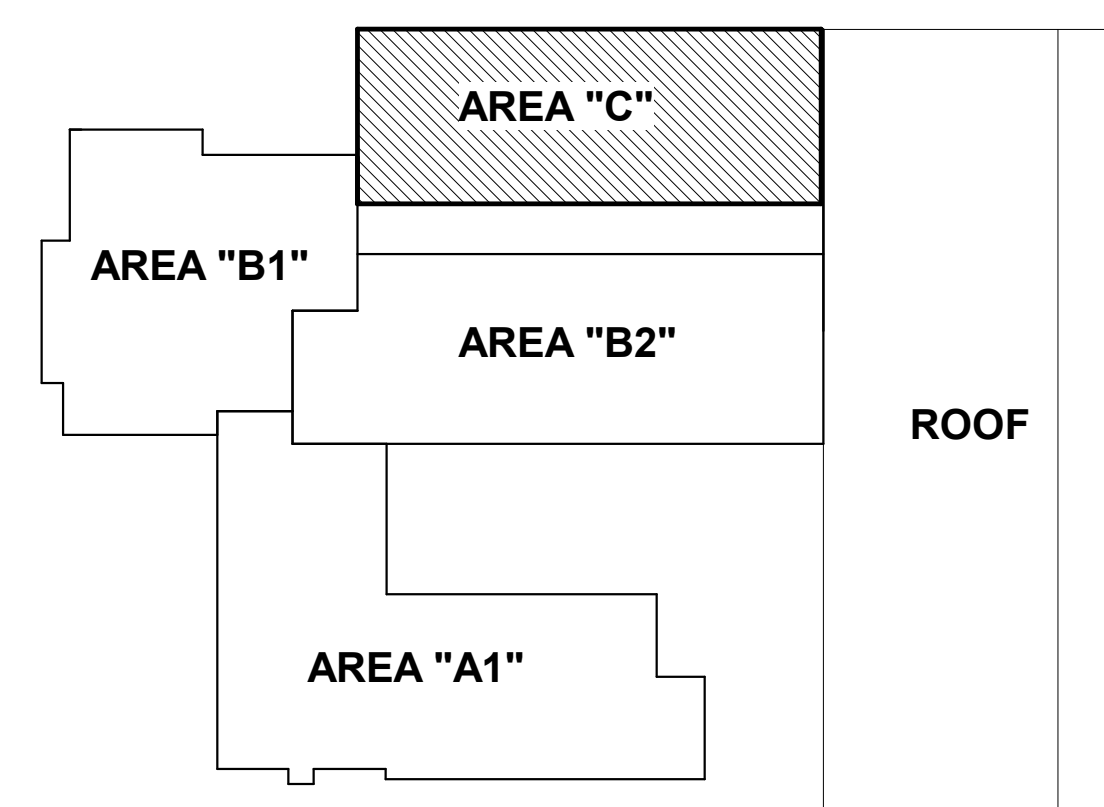
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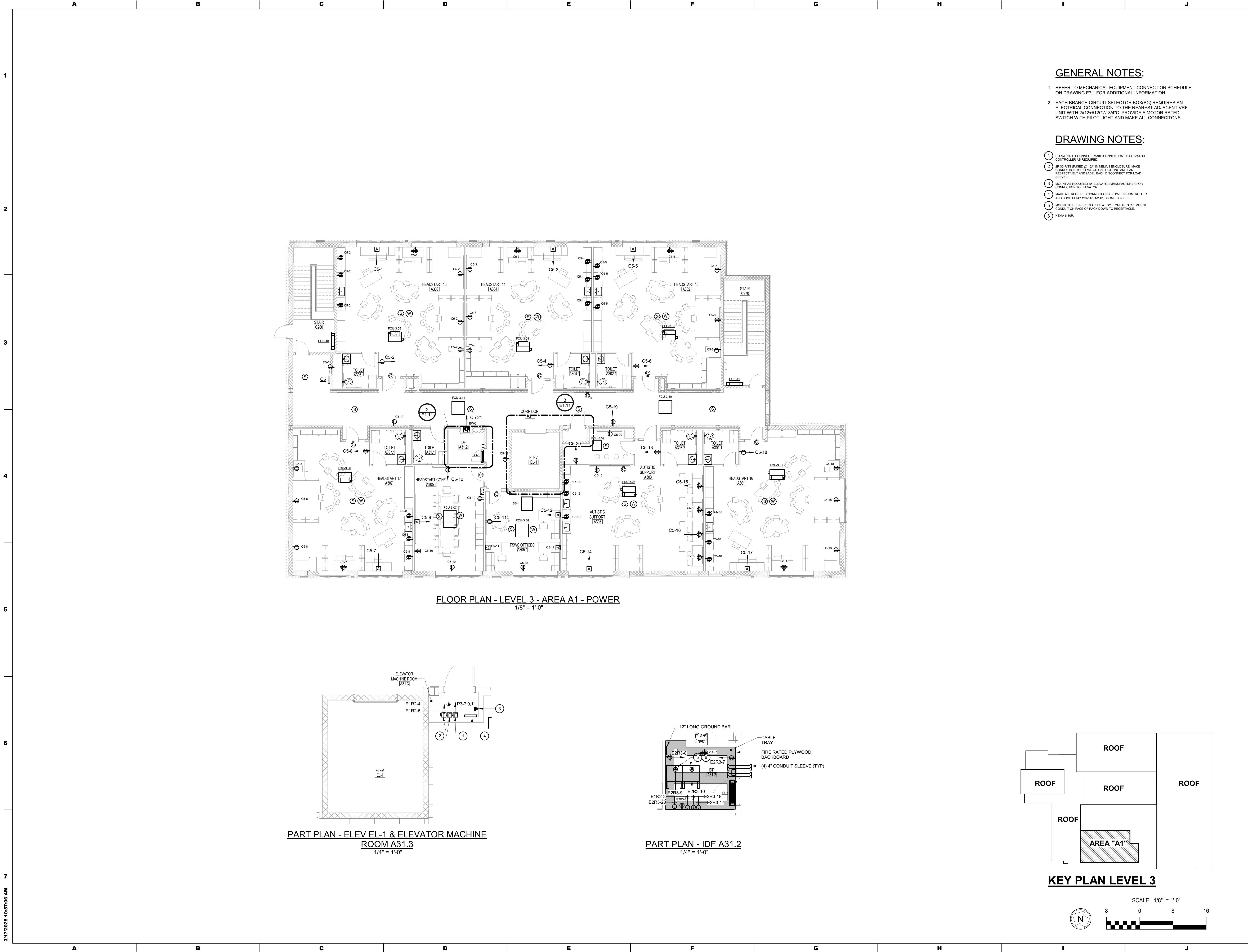


FLOOR PLAN - LEVEL 2 - AREA C - POWER
1/8" = 1'-0"

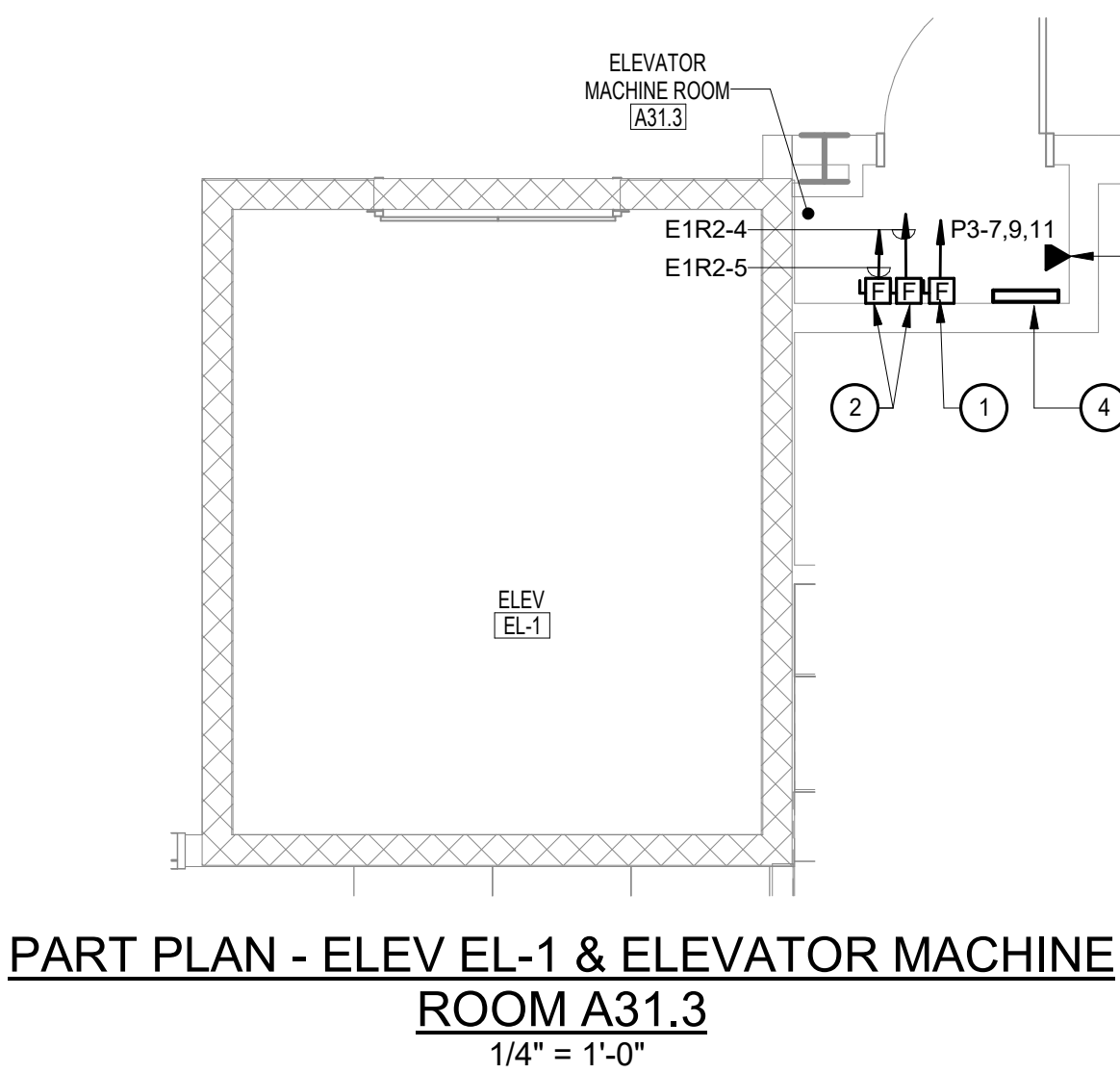


KEY PLAN LEVEL 2

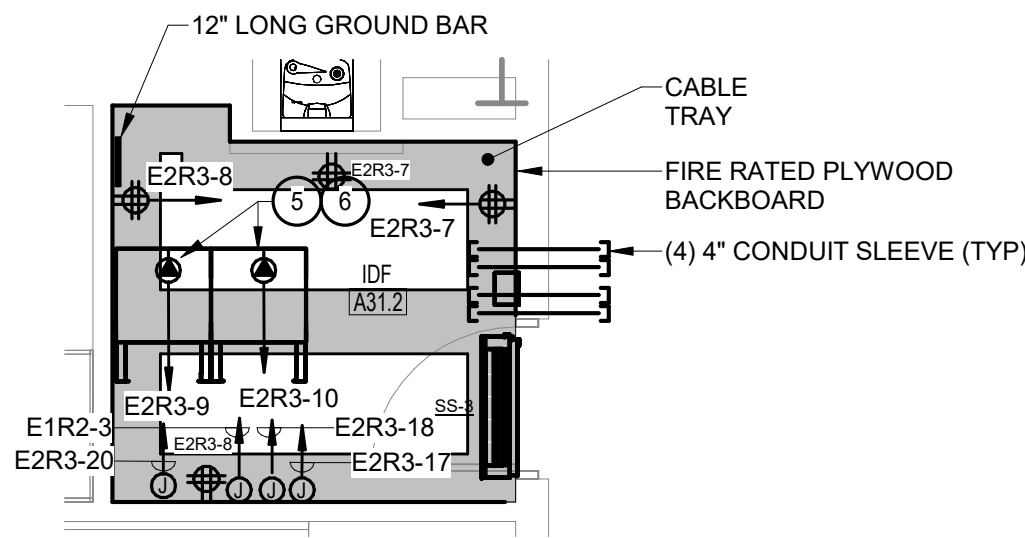




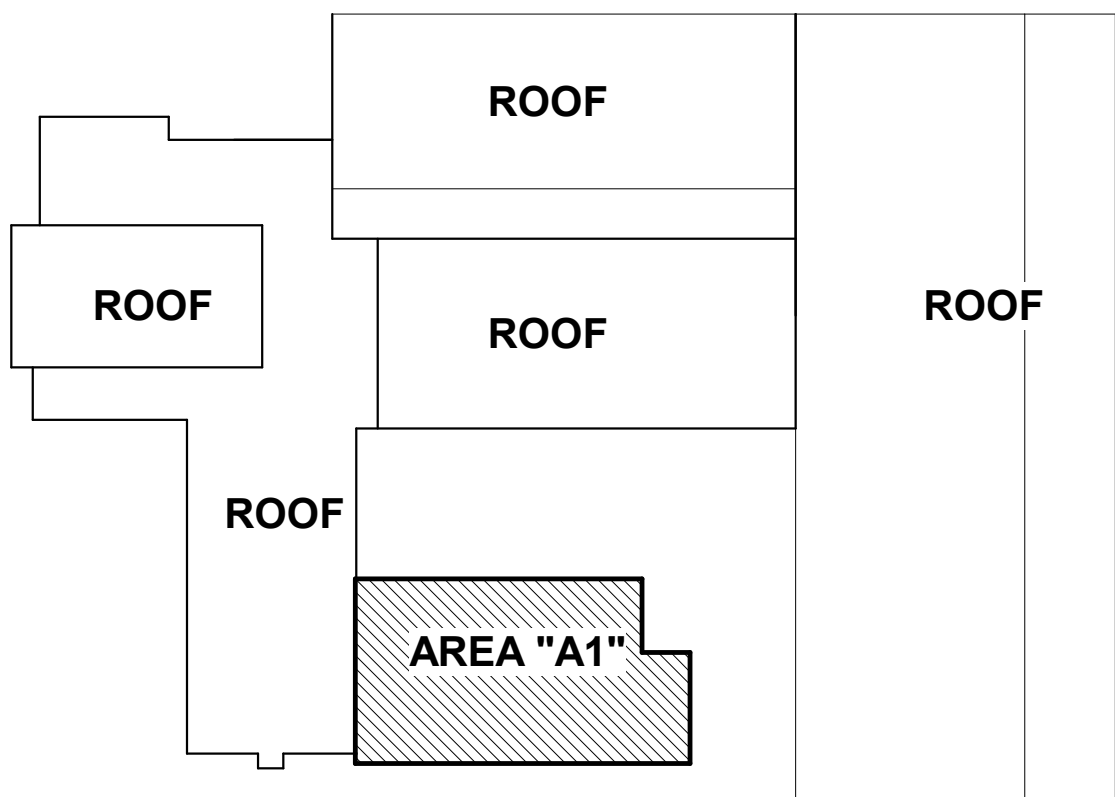
FLOOR PLAN - LEVEL 3 - AREA A1 - POWER
1/8" = 1'-0"



PART PLAN - ELEV EL-1 & ELEVATOR MACHINE ROOM A31.3
1/4" = 1'-0"



PART PLAN - IDF A31.2
1/4" = 1'-0"



KEY PLAN LEVEL 3



GENERAL NOTES:

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON DRAWING E7.1 FOR ADDITIONAL INFORMATION.
2. EACH BRANCH CIRCUIT SELECTOR BOX(BC) REQUIRES AN ELECTRICAL CONNECTION TO THE NEAREST ADJACENT VRF UNIT WITH 2#12+1#20+3#4" C. PROVIDE A MOTOR RATED SWITCH WITH PILOT LIGHT AND MAKE ALL CONNECTIONS.

DRAWING NOTES:

1. ELEVATOR DISCONNECT. MAKE CONNECTION TO ELEVATOR CONTROLLER AS REQUIRED.
2. 2#12+1#20+3#4" C. IN NEMA 1 ENCLOSURE. MAKE CONNECTION TO ELEVATOR CAB LIGHTING AND FAN RESPECTIVELY AND LABEL EACH DISCONNECT FOR LOAD SERVICE.
3. MOUNT AS REQUIRED BY ELEVATOR MANUFACTURER FOR CONNECTION TO ELEVATOR.
4. MAKE ALL REQUIRED CONNECTIONS BETWEEN CONTROLLER AND PUMP PUMP 120V, 1# 1/2HP, LOCATED IN PIT.
5. MOUNT TO UPS RECEPTACLES AT BOTTOM OF BACK. MOUNT CONDUIT ON FACE OF BACK DOWN TO RECEPTACLE.
6. NEMA 5-30R.

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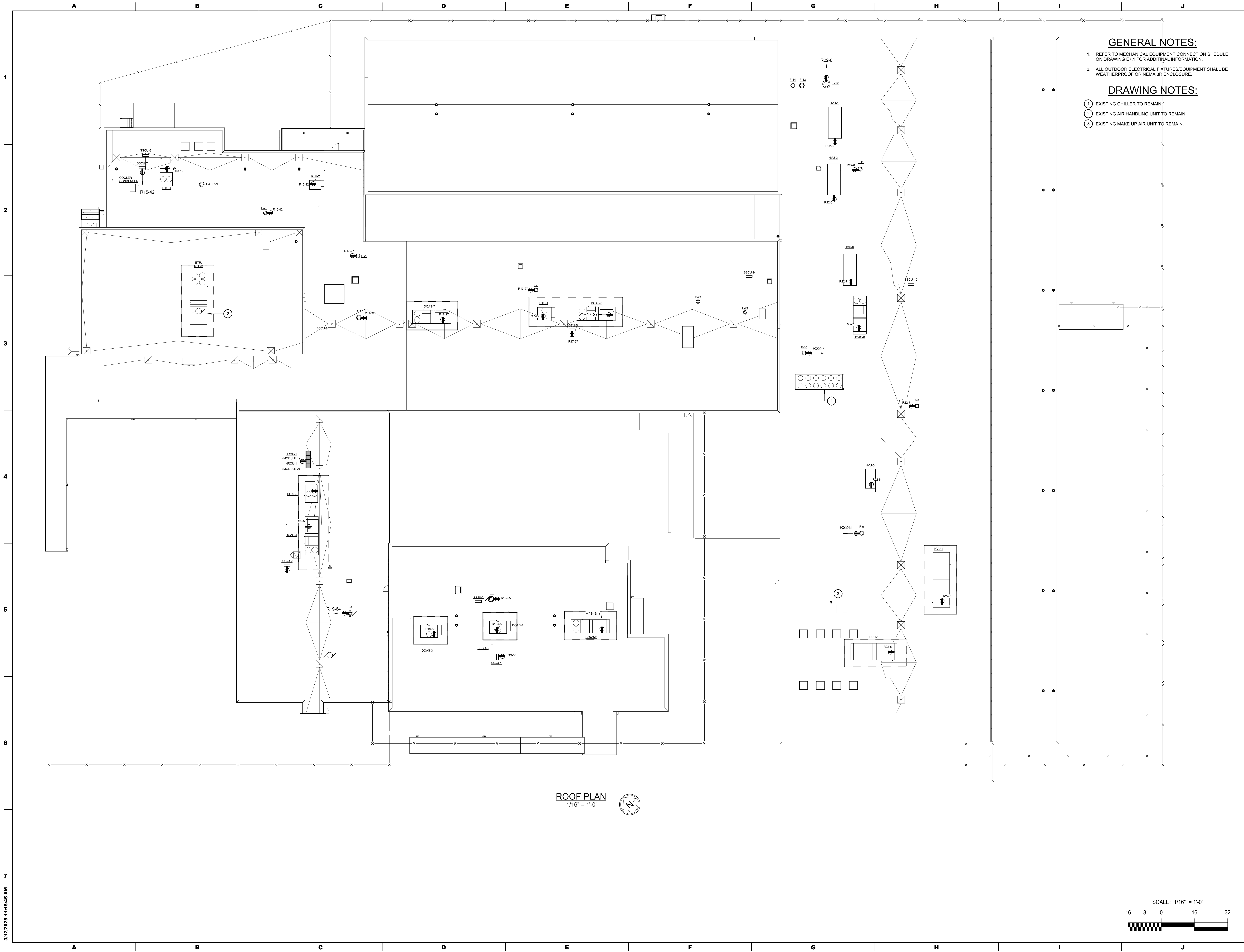
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FLOOR PLAN - LEVEL 3
- AREA A1 - POWER

SHEET NUMBER:

E1.11

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GENERAL NOTES:

- 1. REFER TO MECHANICAL EQUIPMENT CONNECTION SHEDULE ON DRAWING E7.1 FOR ADDITIONAL INFORMATION.
- 2. ALL OUTDOOR ELECTRICAL FIXTURES/EQUIPMENT SHALL BE WEATHERPROOF OR NEMA 3R ENCLOSURE.

DRAWING NOTES:

- ① EXISTING CHILLER TO REMAIN
- ② EXISTING AIR HANDLING UNIT TO REMAIN.
- ③ EXISTING MAKE UP AIR UNIT TO REMAIN.

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SCALE: 1/16" = 1'-0"

16 8 0 16 32

ROOF PLAN -
ELECTRICAL

E1.12

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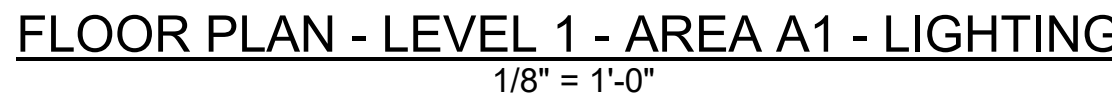
	A	B	C	D	E	F	G	H	I	J	
LIGHTING FIXTURE SCHEDULE											
TYPE	DESCRIPTION				MANUFACTURER	MODEL	VOLTS	MAX. ALLOCATED WATTAGE	LAMPS	MOUNTING	REMARKS
								0.0 W	LED		
AP1	NOMINAL 2dia x 5'g ROUND PENDANT STYLE LED LUMINAIRE WITH 80+ CRI MIN., INTEGRAL 0-10v. DIMMING DRIVER, EXTRUDED ALUM. HOUSING, OPAL ACRYLIC LENSING, ADJUSTABLE 3 POINT AIRCRAFT CABLE SUSPENSION AND CUSTOM COLOR PER ARCHITECT. REF. TO LFS NOTE No. 8.				TRULY GREEN SOLUTIONS [OR APPROVED EQUALS]	LUNA.18.30.40K.U.D1.C.S.M.D SERIES	<varies> 277 V	<varies> 40.0 W	LED, 4000k, ~4,000lms	CEILING, PENDANT AT ~ 8'-0" A.F.F.	
AS1	NOMINAL 18dia x 5'g SURFACE ROUND STYLE LED LUMINAIRE WITH 80+ CRI MIN., INTEGRAL 0-10v. DIMMING DRIVER, EXTRUDED ALUM. HOUSING, OPAL ACRYLIC LENSING AND CUSTOM COLOR PER ARCHITECT. REF. TO LFS NOTE No. 8.				TRULY GREEN SOLUTIONS [OR APPROVED EQUALS]	LUNA.18.30.40K.U.D1.C.S.M.D SERIES	277 V	30.0 W	LED, 4000k, ~3,000lms	CEILING, SURFACE.	
AS2	SAME AS TYPE AS1 EXCEPT 30dia. AND LUMEN VARIATION.				TRULY GREEN SOLUTIONS [OR APPROVED EQUALS]	LUNA.30.30.40K.U.D1.C.S.M.D SERIES	277 V	60.0 W	LED, 4000k, ~6,000lms	CEILING, PENDANT AT ~ 8'-0" A.F.F.	
C	NOMINAL 2w x 41'g 41'g VOLUMETRIC STYLE LED LUMINAIRE WITH INTEGRAL 0-10v. DIMMING DRIVER, 90+ CRI MIN., 20 GAUGE CRS HOUSING, ROOM SIDE MAINTENANCE FOR ALL COMPONENTS, CAPTIVE DOOR FRAME, ALL PARTS PAINTED AFTER FABRICATION, INTERLOCKINGHEMED CORNERS, MICRO-PRISM CENTER OPTICAL LENS (WITH LUMINOUS SIDE PANELS) DOOR ASSEMBLY (HINGED), ZERO PXLATION AND WHITE FINISH.				TRULY GREEN SOLUTIONS [OR APPROVED EQUALS]	24 OD1V LED.5000L.DIM10.MVOLT.40K.90 SERIES	277 V	41.0 W	LED, 4000k, ~5800lms	CEILING, RECESSED	
C1	SAME AS TYPE C EXCEPT 1'x4' AND LUMEN VARIATION.				ORACLE LIGHTING	14 OD1V LED.3400L.DIM10.MVOLT.40K.90 SERIES	277 V	27.0 W	LED, 4000k, ~3300lms	CEILING, RECESSED	
C2	SAME AS TYPE C EXCEPT 2'x2' AND LUMEN VARIATION.				ORACLE LIGHTING	22 OD1V LED.3400L.DIM10.MVOLT.40K.90 SERIES	277 V	25.0 W	LED, 4000k, ~3500lms	CEILING, RECESSED	
EW	NOMINAL 6'w x 3'g x 41' VARPORTE INDUSTRIAL STYLE LIGHTING CONTINUOUS GASKETING, INLINE THERMOFORMED LOW PROFILE DIFFUSER, (50% OR ACRYLIC, SMOOTH WHITE FINISH), STAINLESS STEEL LATCHES, INTEGRAL NON-DIMMING DRIVER, IP65/68/67 RATED, UL LISTED FOR WET LOCATIONS AND RATED FOR WALL MOUNTING IN HORIZONTAL OR VERTICAL ORIENTATION.				ORACLE LIGHTING [OR APPROVED EQUALS]	L701.4.3400.40K.ASW.1% UNI.SSL SERIES	277 V	25.5 W	LED, 4000k, ~3400lms	WALL, SURFACE. REFER TO LFS NOTE No. 1.	
F	NOMINAL 2w x 41' x 2'g (INCLUDING DRIVER) EDGE-LEIT FLAT PANEL STYLE LED LUMINAIRE WITH INTEGRAL 0-10v. DIMMING DRIVER, 80+ CRI MIN., PMMA LIGHT GUIDE PLATE, SATIN WHITE FROSTED LENSING (120deg DISTRIBUTION, IMPACT AND SCRATCH RESISTANT), ALUM. FRAME, INTERLOCKING CORNERS UNIFORMLY TURNED IN AND HEMMED, WHITE FINISH AND IC RATED.				ILP [OR APPROVED EQUALS]	PAN24.50WLED.U.40 SERIES	277 V	48.0 W	LED, 4000k, ~6100lms	CEILING, RECESSED	
F1	SAME AS TYPE F EXCEPT 1'x4' AND LUMEN VARIATION.				ILP	PAN14.30WLED.U.40 SERIES	277 V	28.0 W	LED, 4000k, ~3500lms	CEILING, RECESSED	
F2	SAME AS TYPE F EXCEPT 2'x2' AND LUMEN VARIATION.				ILP	PAN22.30WLED.U.40 SERIES	277 V	31.0 W	LED, 4000k, ~3900lms	CEILING, RECESSED	
FH	SAME AS TYPE F EXCEPT IN LUMEN VARIATION.				ILP	PAN24.50WLED.U.40 SERIES	277 V	56.0 W	LED, 4000k, ~7,500lms	CEILING, RECESSED	
H	NOMINAL 2w x 41' x 41'g MULTI-FUNCTION MEDICAL BED LIGHT STYLE LED LUMINAIRE WITH DUAL LUMINOUS MATTE WHITE ACRYLIC DIFFUSERS, THREE (3) INTEGRAL 0-10v. DIMMING DRIVERS, (READING, AMBIENT, EXAM HIGH), CAPTIVE SWING DOWN LENSING (WITH SPRING LOADED THUMB LATCHES FOR TOOL-LESS ACCESS) AND WHITE FINISH.				ILP [OR APPROVED EQUALS]	CM1906.L40K-H.277.90CRI.MNVC SERIES	277 V	125.0 W	LED, 4000k, ~12000lms		REFER TO LFS NOTE No. 3.
LB	NOMINAL 20'w x 3'g x 41' LINEAR LOW BAY STYLE LED LUMINAIRE WITH 85+ CRI MIN., INTEGRAL 0-10v. DIMMING DRIVER, 18 GAUGE CRS HOUSING, INTERLOCKED CORNERS, WIDE DISTRIBUTION, FROSTED ACRYLIC LENSING ON A REINFORCED HINGED DOOR, WHITE FINISH AND WIRELESS DIMMING MODULE.				ORACLE LIGHTING [OR APPROVED EQUALS]	CB8.LED.20000L.DIM10.MVOLT.WD.40.85 SERIES	277 V	153.0 W	LED, 4000k, ~23,000lms	SUSPENDED AT ~14'-0" A.F.F. REFER TO LFS NOTE No. 6.	
M	NOMINAL 4-1/2'w x 3.75'h x 41' LENSED STRIP STYLE LED LUMINAIRE WITH METAL END CAPS, INTEGRAL 0-10v. DIMMING DRIVER, 80+ CRI MIN., 20 GAUGE CRS HOUSING, FROSTED EXTRUDED ACRYLIC LENSING, LISTED FOR DAMP LOCATIONS AND WHITE FINISH.				ORACLE LIGHTING [OR APPROVED EQUALS]	4.0C1.LED.4000L.DIM10.MVOLT.40K.85 SERIES	277 V	27.0 W	LED, 4000k, ~3400lms	CEILING, SURFACE OR SUSPENDED AT ~9'-0" A.F.F.	
MW	SAME AS TYPE M EXCEPT WALL MOUNTED.				ORACLE LIGHTING	4.0C1.LED.4000L.DIM10.MVOLT.40K.85 SERIES	277 V	27.0 W	LED, 4000k, ~3800lms	WALL, SURFACE. ON DOOR HEADER/ABOVE DOOR.	
MW2	SAME AS TYPE M EXCEPT WALL MOUNTED AND 2L				ORACLE LIGHTING	2.0C1.LED.4000L.DIM10.MVOLT.40K.85 SERIES	277 V	19.0 W	LED, 4000k, ~2,100lms	WALL, SURFACE. ON DOOR HEADER/ABOVE DOOR.	
RS	8.4'w x 6.4'h x 6'g SURFACE MOUNTED EDGE-LEIT STYLE LED LUMINAIRE WITH INJECTION MOLDED PC HOUSING, INTEGRATED DRIVER, 80+ CRI MIN., DAMP LOCATION RATED, 110deg BEAM ANGLE AND FINISH SHALL BE DETERMINED BY ARCHITECT.				TRULY GREEN SOLUTIONS [OR APPROVED EQUALS]	8.0C1.2.S.TM.CC.X SERIES	277 V	12.0 W	LED, 4000k, ~1,000lms	CEILING, SURFACE	SET FIELD SELECTABLE CCT TO 4k.
SC	NOMINAL 5dia x 5-1/2'h CYLINDER STYLE LED LUMINAIRE WITH INTEGRAL 0-10v. DIMMING DRIVER, 80+ CRI MIN., MACHINED ALUM. HOUSING, SOLITE GLASS LENS, 50deg DISTRIBUTION, UL LISTED FOR WET LOCATIONS AND FINISH PER ARCHITECT.				CREATIVE SYSTEMS LIGHTING [OR APPROVED EQUALS]	SS4021.20.40.50.X.2.X.S.SERIES	277 V	20.0 W	LED, 4000k, ~1900lms DELIVERED	SURFACE, CEILING (CANOPY).	
SG	NOMINAL 17'square x 5'h PARKING GARAGE STYLE LED LUMINAIRE WITH INTEGRAL 0-10v. DIMMING DRIVER, 80+ CRI MIN., MARINE GRADE FINISH, TYPE 2 DISTRIBUTION, IP65/67 RATED, DIE-FORMED HEAVY DUTY ALUM. CONSTRUCTION, CORROSION RESISTANT EXTERNAL HARDWARE, GASKETED AND FINISH SHALL BE DETERMINED BY ARCHITECT (B.O.D. SHALL BE SMOOTH BLACK GLOSS).				NLS LIGHTING [OR APPROVED EQUALS]	VSS-1.T5.48L.7.40K8.UNV.CM[tab]MGF SERIES	277 V	104.0 W	LED, 4000k, ~13,000lms	CEILING, SURFACE. REFER TO LFS NOTE No. 4.	
SL4	NOMINAL 4'w x 5'g x 41' RECESSED LINEAR STYLE LED LUMINAIRE WITH EXTRUDED ALUM. HOUSING, 20 GAUGE END CAPS, EXTRUDED ACRYLIC LENSING (SATIN), INTEGRAL DRIVER, 80+ CRI MIN., IP65 RATED, LISTED FOR WET LOCATIONS AND FINISH SHALL BE DETERMINED BY ARCHITECT.				FOCAL POINT [OR APPROVED EQUALS]	FSM4LWL.FL.625LF.40K.1C.UNV.LD1.x.IP65.[finish] 4 SERIES	277 V	20.0 W	LED, 3500k, ~625lms PER FOOT	CEILING, RECESSED.	WATTAGE INDICATED IS FOR A 4' LENGTH.
SL6	SAME AS TYPE SL4 EXCEPT 6'g.				FOCAL POINT	FSM4LWL.FL.625LF.40K.1C.UNV.LD1.x.IP65.WH.6 SERIES	277 V	30.0 W	LED, 3500k, ~2500lms PER FOUR FOOT LENGTH	CEILING, RECESSED.	WATTAGE INDICATED IS FOR A 6' LENGTH.
SL8	SAME AS TYPE SL6 EXCEPT 8'-0" LONG.				FOCAL POINT	FSM4LWL.FL.625LF.40K.1C.UNV.LD1.x.IP65.WH.8 SERIES	277 V	50.0 W	LED, 3500k, ~2500lms PER FOUR FOOT LENGTH	CANOPY, RECESSED.	WATTAGE INDICATED IS FOR A 8' LENGTH.
SS1	NOMINAL 1.9'w x 2.4'h x 701 LINEAR STYLE LUMINAIRE SYSTEM WITH ANOIZED EXTRUDED ALUM. BODY/END CAPS, OPTICALLY CLEAR TEMPERED GLASS LENSING (K06), THROUGH-WIRING FOR END TO END CONNECTIONS, ADJUSTABLE MOUNTING BRACKET, 80+ CRI MIN., REMOTE 0-10v. DIMMING DRIVER, 20kv SURGE SUPPRESSION, -40deg F TO +122deg F OPERATING TEMPERATURE, IP66 RATED, 30deg DISTRIBUTION, EXTERNAL LOUVER (BLACK) AND FINISH OF ARMS/SYSTEM SHALL BE DETERMINED BY ARCHITECT.				NLS LIGHTING [OR APPROVED EQUALS]	STR10[length] BM.5W R300.4083.3060..H.277.H.N SERIES	277 V	350.0 W	LED, 4000k, ~397lms	WALL, SURFACE. ADJUSTABLE ARM BRACKET ASSEMBLY WITH ~15" STAND-OFF.	REFER TO LFS NOTE No. 13.
SW2	NOMINAL 12'w x 3'g x 6'h WALL PACK STYLE LED LUMINAIRE WITH TYPE 2 DISTRIBUTION, 80+ CRI MIN., INTEGRAL 0-10v. DIMMING DRIVER, DIE-CAST ALUM. CONSTRUCTION, IP65 MIN. RATED, VANDAL RESISTANT FULL CUTOFF SILICONE MICRO OPTICS, 814U-01 MAXIMUM BAY RATING, 20kv. SURGE PROTECTION, DARK SKY RATED, IK10 IMPACT RATING AND FINISH PER ARCHITECT.				NLS LIGHTING [OR APPROVED EQUALS]	NV-W.12.16L.53.40K8.UNV.WM.[finish] x.209kA SERIES	277 V	29.0 W	LED, 4000k, ~3700lms	WALL, SURFACE. VARIOUS A.F.G. REFER TO LFS NOTE No. 7.	
SW4	SAME AS TYPE SW2 EXCEPT TYPE 4 DISTRIBUTION.				NLS LIGHTING	NV-W.14.16L.53.40K8.UNV.WM.[finish] x.209kA SERIES	277 V	29.0 W	LED, 4000k, ~3800lms	WALL, SURFACE. VARIOUS A.F.G. REFER TO LFS NOTE No. 7.	
SW5	NOMINAL 10'w x 10'h x 1.5'g WALL SCONE STYLE LED LUMINAIRE WITH MARINE GRADE ALUM. CONSTRUCTION, GASKETED, INTEGRAL 10kv SURGE SUPPRESSION, 80+ CRI MIN., INTEGRAL DRIVER, IP65 RATED, IK09 RATED, LISTED FOR WET LOCATIONS AND FINISHES SHALL BE DETERMINED BY ARCHITECT.				LIGMAN LIGHTING [OR APPROVED EQUALS]	UV-30002.11W.W40.[finish].120/277 SERIES	277 V	11.0 W	LED, 4000k, 783lms	WALL, SURFACE AT EXISTING LOCATION. COORDINATE GOOF RING REQUIREMENTS WITH ARCHITECT.	
T	DUAL CIRCUIT LINE VOLTAGE TRACK WITH NEUTRAL AND GROUND BUS BARS, ALUM. CONSTRUCTION, BLACK FINISH AND REFER TO PLANS FOR CONTINUOUS LENGTHS REQUIRED.				H2T SERIES		120 V		N/A	GRID CEILING, SURFACE MOUNTED. REFER TO LFS NOTE No. 11.	REFER TO LFS NOTE No.'s 9 AND 10.
TH	NOMINAL 4'1dia x 8'h CYLINDER SHAPPED TRACK HEAD STYLE LED LUMINAIRE WITH INTEGRAL ELV DIMMING DRIVER, FIELD INTERCHANGABLE OPTICS, 20deg DISTRIBUTION, 90+ CRI MIN., ALUM. CONSTRUCTION, ACCESSORY HOLDER (CAPABLE OF HOLDING TWO ACCESSORIES), AND BLACK FINISH.				TIME SQUARE LIGHTING [OR APPROVED EQUALS]	CCR.30.92.30.8.120.20.x.TE.X00517 SERIES	120 V	30.0 W	LED, 3000K	DUAL CIRCUIT TRACK.	REFER TO LFS NOTE No. 12.
V	NOMINAL 6'w x 4'g x 41' VANDAL RESISTANT STYLE LED LUMINAIRE WITH 85+ CRI MIN., INTEGRAL 0-10v. DIMMING DRIVER, WHITE OPAL POLYCARBONATE LENSING (WITH INTERNAL LINEAR RIBBING), DIE-FORMED HEAVY GAUGE STEEL HOUSING, GASKETED, AND WHITE FINISH.				ORACLE LIGHTING [OR APPROVED EQUALS]	4.0V2R.LED.5000L.DIM10.MVOLT.40K.85 SERIES	277 V	40.0 W	LED, 4000k, ~5,000lms	CEILING, SURFACE. REFER TO LFS NOTE No. 2.	
VW	SAME AS TYPE V EXCEPT WALL MOUNTED.				ORACLE LIGHTING	0V1R2.LED.4000L.DIM10.MVOLT.40K.85 SERIES	277 V	35.0 W	LED, 4000k, ~4000lms	WALL, SURFACE AT ~8'-0" ABOVE STAIRLANDING. REFER TO LFS NOTE No. 5.	
W	16'w x 2.7'g TUBULAR WALL SCONE STYLE LED LUMINAIRE WITH 90+ CRI MIN., INTEGRAL DRIVER, 150deg Beam ANGLE, PMMA ACRYLIC DIFFUSER AND FINISH SHALL BE DETERMINED BY ARCHITECT.				ELITE LIGHTING [OR APPROVED EQUALS]	0VLR1-LED-18.1300L.DIMTR.277.4000K.90.[finish] SERIES	277 V	20.0 W	LED, 4000k, ~1,300lms	WALL, SURFACE AT EXISTING LOCATION.	
X	5/8" THICK LED EXIT SIGNAGE WITH DIE CAST ALUM. CONSTRUCTION, FIELD SELECTABLE CHEVRONS, LOW PROFILE CANOPY, UNIVERSAL MOUNTING, AC ONLY OPERATION, COLOR OF LETTERS PER A.H.J. AND ALL FINISHES SHALL BE DETERMINED BY ARCHITECT.				EVENLITE [OR APPROVED EQUALS]	RZ93.AC SERIES	277 V	5.0 W	LED	UNIVERSAL	
XN	LED EXIT SIGNAGE WITH TWO PIECE THICK WALL HEAVY DUTY DIE CAST ALUM. ALLOY CONSTRUCTION, REMOVABLE FRONT STENCIL FACE (WITH OVERLAPPING LIGHT SEAL), FIELD SELECTABLE CHEVRONS, LOW PROFILE UNIVERSAL, CANOPY, INJECTION MOLDED INTERNAL CAVITY REFLECTOR, BLACK CUSTOM LETTING (NOT AN EXIT) AND FINISHES SHALL BE DETERMINED BY ARCHITECT (B.O.D. SHALL BE ALL BLACK HOUSING).				EVENLITE [OR APPROVED EQUALS]	DCG.AC.x.BB.x.C.BL.BK SERIES	277 V	5.0 W	LED		
XP	LED EXIT SIGNAGE WITH THERMOPLASTIC CONSTRUCTION, FIELD SELECTABLE CHEVRONS, UNIVERSAL MOUNTING, UL924 LISTED, DAMP LOCATION LISTED, BLACK HOUSING AND COLOR OF LETTERS PER AHJ.				EVENLITE [OR APPROVED EQUALS]	TLX SERIES	277 V	5.0 W	LED	WALL, SURFACE. ABOVE DOOR.	
XW	LED EXIT SIGNAGE WITHFULLY GASKED NEMA 4X HOUSING, IP66 RATED, DIE CAST ALUM. HOUSING (42" WALL THICKNESS), HEAVY DUTY VANDAL RESISTANT POLYCARBONATE FACE PLATE, FIELD SELECTABLE CHEVRONS, AC ONLY OPERATION, UNIVERSAL MOUNTING STYLE, UL924 LISTED, DAMP LOCATION LISTED, BLACK HOUSING, U.L. LISTED FOR WET LOCATIONS AND COLOR OF LETTERS PER AHJ.				EVENLITE [OR APPROVED EQUALS]	CDW.AC.x.1.BB SERIES	277 V	5.0 W	LED	WALL, SURFACE. ABOVE DOOR. COORDINATION WITH BLOCK CONSTRUCTION REQUIRED PRIOR TO ROUGH-IN.	
Z	NOMINAL 2w x 41' x 4'g VOLUMETRIC STYLE LED LUMINAIRE WITH INTEGRAL DMX DRIVER (TUNABLE WHITE PROTOCOL, 90+ CRI MIN., 20 GAUGE CRS HOUSING, ROOM SIDE MAINTENANCE FOR ALL COMPONENTS, CAPTIVE DOOR FRAME, ALL PARTS PAINTED AFTER FABRICATION, INTERLOCKINGHEMED CORNERS, MICRO-PRISM CENTER OPTICAL LENS (WITH LUMINOUS SIDE PANELS) DOOR ASSEMBLY (HINGED), ZERO PXLATION AND WHITE FINISH.				ORACLE LIGHTING [OR APPROVED EQUALS]	24 OD1V LED.TWH-50K-27K.6000L.ELD.DMX.MVOLT.90+X SERIES	277 V	52.0 W	LED, ~6000lms AT 4000k	CEILING, RECESSED	
Z2	SAME AS TYPE Z EXCEPT 2'x2' AND LUMEN VARIATION.				ORACLE LIGHTING	22 OD1V LED.TWH-50K-27K.6000L.ELD.DMX.MVOLT.90+X SERIES	277 V	39.0 W	LED, ~4000lms AT 4000k	CEILING, RECESSED	

GENERAL NOTES:

2. PROVIDE ALL 0-10V DIMMING DRIVERS PREWIRED WITH ISOLATE LEADS. WHEN A DIMMING DRIVER IS PROVIDED BUT ONLY CALLED FOR STATIC OPERATION, CAP 0-10V LEADS AND LEAVE IN PLACE, ENSURE LUMINAIRE STILL OPERATES AT 100% OUTPUT.
3. COORDINATE LIGHTING FIXTURES INDICATED ON DRAWINGS WITH ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS. VERIFY CEILING CONSTRUCTION IN ALL AREAS WITH ARCHITECTURAL DRAWINGS AND PROVIDE ALL MOUNTING FRAMES/HARDWARE AS REQUIRED FOR A COMPLETE INSTALLATION SUITABLE FOR THE CEILING TYPE.
4. IN SPRINKLERED AREAS, MAINTAIN ADEQUATE SPACING BETWEEN FIXTURES AND SPRINKLER HEADS PER COUNTY FIRE MARSHAL REQUIREMENTS.
5. ALL LOW VOLTAGE, CLASS 2 WIRING FROM A REMOTE POWER SUPPLY TO LUMINAIRE SHALL BE IN CONDUIT.
6. ALL DIMMING DRIVERS OR DIMMING BALLASTS SHALL BE COORDINATED WITH DIMMER/DIMMING SYSTEM TO ENSURE FLICKER FREE DIMMING DOWN TO 10% UNLESS SPECIFIED TO LOWER PERCENTAGE IN LIGHT FIXTURE SCHEDULE.
7. COORDINATE ALL EXIT SIGN MOUNTING POINTS WITH ARCHITECTURAL DRAWINGS, MILLWORK DRAWINGS AND ALL OTHER TRADES PRIOR TO ROUGH-IN. SUBMIT PROPOSED CONDUIT ROUTING AND MOUNTING STYLE TO ARCHITECT FOR ALL EXIT SIGNAGE BEING MOUNTED TO WINDOW MULLIONS PRIOR TO ROUGH-IN.
8. PROVIDE ALL DRIVERS AS UNIVERSAL VOLTAGE.
9. MODEL NUMBERS ARE FOR REFERENCE ONLY. SUBMIT SHOP DRAWINGS BASED ON ENTIRE SCHEDULE AND DRAWING INFORMATION.
10. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL INTERIOR LIGHT FIXTURES SHALL BE DLC OR ENERGY STAR LISTED. SUBMIT RECORD OF EACH FIXTURE'S ACTIVE LISTING WITH ASSOCIATED SHOP DRAWING.
11. RECESSED, SURFACE OR SUSPENDED LINEAR RUNS UP TO 8FT IN LENGTH SHALL BE PROVIDED AS ONE CONTINUOUS HOUSING. LENSING SHALL BE ONE CONTINUOUS LENS FOR ANY RUN UP TO 8FT IN LENGTH. THERE WILL BE NO GAP OR LIGHT LEAK WHERE TWO LENSES MERGE TOGETHER. NO MORE THAN 1/32" MAXIMUM SPACING BETWEEN END OF HOUSING AND LENSING.
12. SUBMIT FACTORY DRAWINGS ON ALL LINEAR RUNS (RECESSED, SURFACE AND PENDANT VARIATIONS) INDICATING EACH ROOM APPLIED IN INCLUDING EACH VARIATION OF RUN.
13. FOR ALL ADJUSTABLE AIRCRAFT CABLE SUSPENSION APPLICATIONS, FIELD VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECT AFTER PRELIMINARY INSTALLATION. DO NOT TRIM EXCESS CABLE UNTIL FINAL MOUNTING HEIGHT IS VERIFIED AND LOCKED IN PLACE.
14. FOR ALL LINEAR RUNS, REFER TO SPECIFICATION SECTION 28.51.19-3.2-D.
15. FOR ALL RECESSED LINEAR RUNS LOCATED IN LAY-IN GRID CEILINGS, LUMINAIRE SHALL EXTEND FROM T-BAR TO T-BAR WITH NO END PLATES, FILLER SECTIONS, ETC. SUBMIT FACTORY DRAWINGS FOR VERIFICATION.
16. REFER TO SPECIFICATION SECTION 28.51.19 FOR ADDITIONAL INFORMATION ON LIGHT FIXTURES, EXTRA MATERIALS, FINAL CLEANING AND ALTERNATE MANUFACTURERS PROCESS.
17. THE SUITABILITY OF NAMED ITEM ONLY HAS BEEN VERIFIED. WHERE MORE THAN ONE MANUFACTURER IS NAMED, ONLY THE FIRST NAMED MANUFACTURER HAS BEEN VERIFIED AS SUITABLE. MANUFACTURERS AND TIEMS OTHER THAN FIRST NAMED SHALL BE EQUAL OR BETTER IN QUALITY AND PERFORMANCE TO THAT OF SPECIFIED ITEMS, AND MUST BE SUITEABLE FOR AVAILABLE SPACE, REQUIRED ARRANGMENT AND APPLICATION.

LIGHT FIXTURE SCHEDULE NOTES:

1. MOUNT AT TOP AND BOTTOM OF ELEVATOR SHAFT. LUMINAIRE IS RATED FOR WALL/SURFACE MOUNTING IN THE VERTICAL OR HORIZONTAL ORIENTATION. COORDINATE EXACT MOUNTING LOCATIONS WITH ELEVATOR MANUFACTURER EQUIPMENT PRIOR TO ROUGH-IN.
2. PROVIDE RIGID STUPTTORT BETWEEN JOISTS FOR MOUNTING OF LUMINAIRE WHEN IN SHOP CLASSROOM AND SIMILAR SPACES TO ALLOW FOR BOTTOM OF FIXTURE TO BE MOUNTED FLUSH WITH BOTTOM OF JOISTS. PROVIDE ONE MOCK-UP AT FIELD CONDITION OF PROPOSED MOUNTING FOR ARCHITECTURAL APPROVAL. REFER TO LIGHTING SECTIONS. PROVIDE RIGID SUPPORT EXTENDING FROM WALL TO WALL WHEN IN CORRIDOR(S) WITH NO CEILING [REFER TO DIGITAL IMAGE FOR B.O.D.] AT 10'-0" A.F.F.
3. PROVIDE THREE SEPARATE 0-10v. DIMMER SWITCHES [IN TRIPLE GANG BOX] FOR CONTROL OF THE VARIOUS OUTPUT SELECTIONS. LUMINAIRE SHALL BE CONTROLLED BY ROOM CONTROLLER/ASSOCIATED SENSORS AS ON/OFF OPERATION ONLY WITH LOCALIZED DIMMING FUNCTIONS PER LUMINAIRE. ALL DIMMER SWITCH LOCATIONS SHALL BE COORDINATED WITH ARCHITECT AND OWNERSHIP AT PRE-INSTALL MEETING.
4. PROVIDE RIGID SUPPORT BETWEEN STRUCTURAL BEAMS FOR CONDUIT ROUTING AND MOUNTING OF LUMINAIRE. CONTRACTOR SHALL SUBMIT ALL EXTERIOR RATED MATERIALS AND PROPOSED ATTACHMENT TO STRUCTURE FOR ARCHITECTURAL APPROVAL.
5. FIELD VERIFY ALL MOUNTING LOCATIONS WITH ARCHITECT AND BLOCK COURSE CONSTRUCTION PRIOR TO ROUGH-IN. B.O.D. SHALL BE AT -8'-0" ABOVE LANDING, STAIR TREAD, ETC. AT STAIR B-ST1, MOUNT AT -7'-0" A.F.F.
6. CONTRACTOR SHALL COORDINATE PROPOSED MOUNTING STYLE AND SUBMIT AT SHOP DRAWING LEVEL FOR REVIEW BY ARCHITECT. FIELD COORDINATION WITH ALL OTHER TRADES INCLUDING SAFETY CLEARANCES FROM MECHANICAL HEATERS REQUIRED PRIOR TO ROUGH-IN. MOUNT AT -14'-0" A.F.F. / LEVEL WITH MECHANICAL SYSTEMS TO AVOID SHADOWING EFFECTS. REFER TO 'SECTION - TYPICAL SHOP LIGHTING COORDINATION WITH MECHANICAL SYSTEMS'.
7. MOUNT AT EXISTING LOCATIONS MAINTAINED DURING DEMOLITION WHERE APPLICABLE. ALL NEW LOCATIONS [AND ASSOCIATED MOUNTING HEIGHTS] SHALL BE VERIFIED WITH ARCHITECT PRIOR TO ROUGH-IN.
8. ARCHITECT SHALL DETERMINE THE FOUR DIFFERENT TYPES OF CUSTOM COLORS AND WILL INDICATE EACH LOCATION/FIXTURE TYPES REQUIRING SAME FINISH.
9. PROVIDE ALL APPURTENANCES FOR A COMPLETE SYSTEM.
10. EACH CIRCUIT OF DUAL CIRCUIT TRACK SHALL BE VIA CURRENT LIMITING PANEL (6 AMPS PER TRACK CIRCUIT). REFER TO DETAIL FOR ADDITIONAL INFORMATION.
11. FIELD VERIFY MOUNTING LOCATION OF TRACK SYSTEM WITH ARCHITECT PRIOR TO ROUGH-IN. COORDINATE ALL LOCATIONS WITH PROJECTOR SCREEN, STAGE CURTAINS AND ALL OTHER TRADES PRIOR TO ROUGH-IN.
12. IN ADDITION, PROVIDE THE FOLLOWING LENSES:
RED GLASS LENS - QUANTITY OF 30
BLUE GLASS LENS - QUANTITY OF 30
GREEN GLASS LENS - QUANTITY OF 30
FIELD INTERCHANGEABLE FLOOD OPTICS, 40deg - QUANTITY OF 30
13. PROVIDE MAXIMUM RUN LENGTHS TO MAKE UP OVER ALL SYSTEM LENGTH AND MINIMIZE ADJUSTABLE SUPPORT ARMS. REFER TO DRAWINGS FOR PROPOSED REMOTE DRIVER(S) AND ASSOCIATED LOCALIZED 0-10v. DIMMER SWITCH FOR INTENSITY CONTROL [AND LOCALIZED DISCONNECTING MEANS].



- 1 PROPOSED LOCATION FOR SINGLE ZONE ROOM CONTROLLER SERVING A-ST1, WALL MOUNTED, ABOVE ACCESSIBLE CEILING. ENTIRE STAIRWELL FUNCTIONS AS ONE ZONE. 30% OUTPUT WHEN UNOCCUPIED.

SEAL:

CONSULTANT:

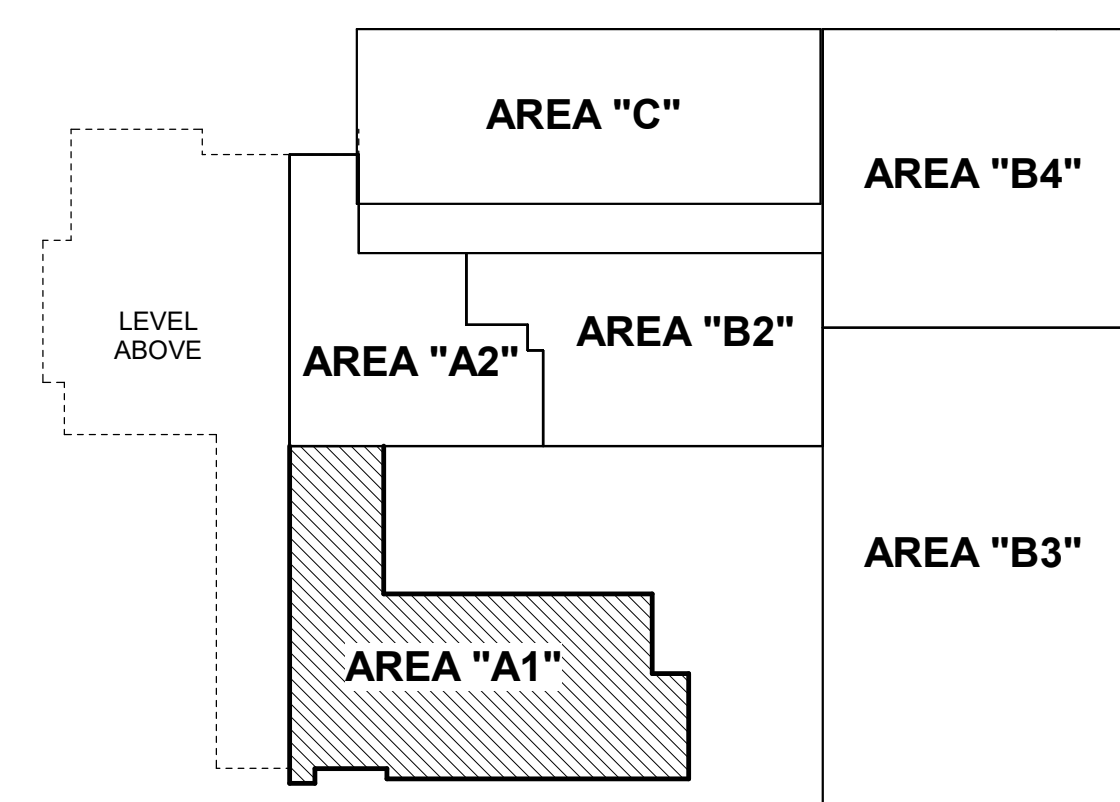
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ADDITIONS AND RENOVATIONS TO THE
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FOLCROFT, PA 19032



KEY PLAN LEVEL 1



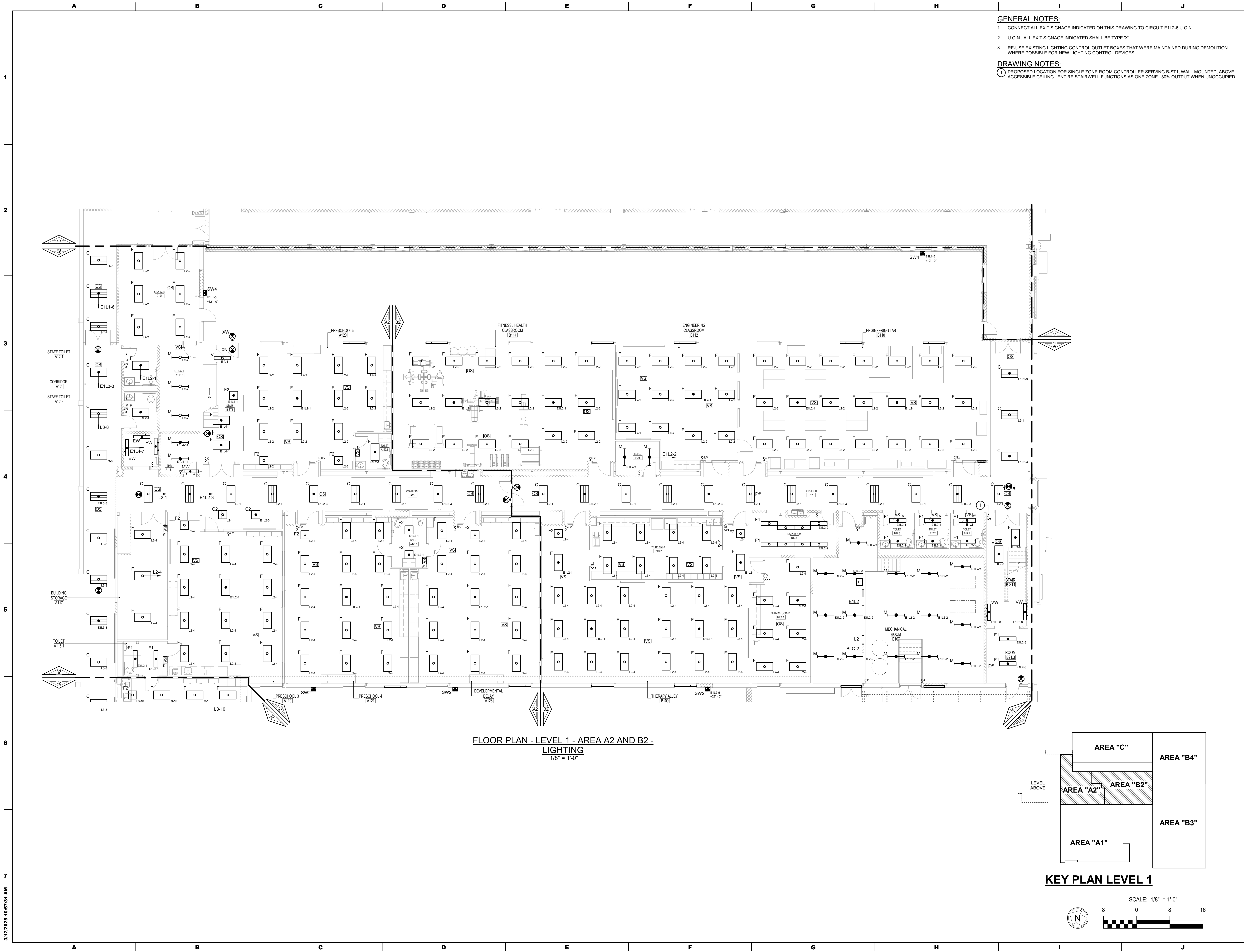
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02/01/2022	...
03/01/2022	...
04/01/2022	...
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06/01/2022	...
07/01/2022	...
08/01/2022	...
09/01/2022	...
10/01/2022	...
11/01/2022	...
12/01/2022	...

PROJ # : 21-DCIU-03	DRAWN BY :	DSY
SHEET TITLE:		

FLOOR PLAN - LEVEL 1
- AREA A1 - LIGHTING

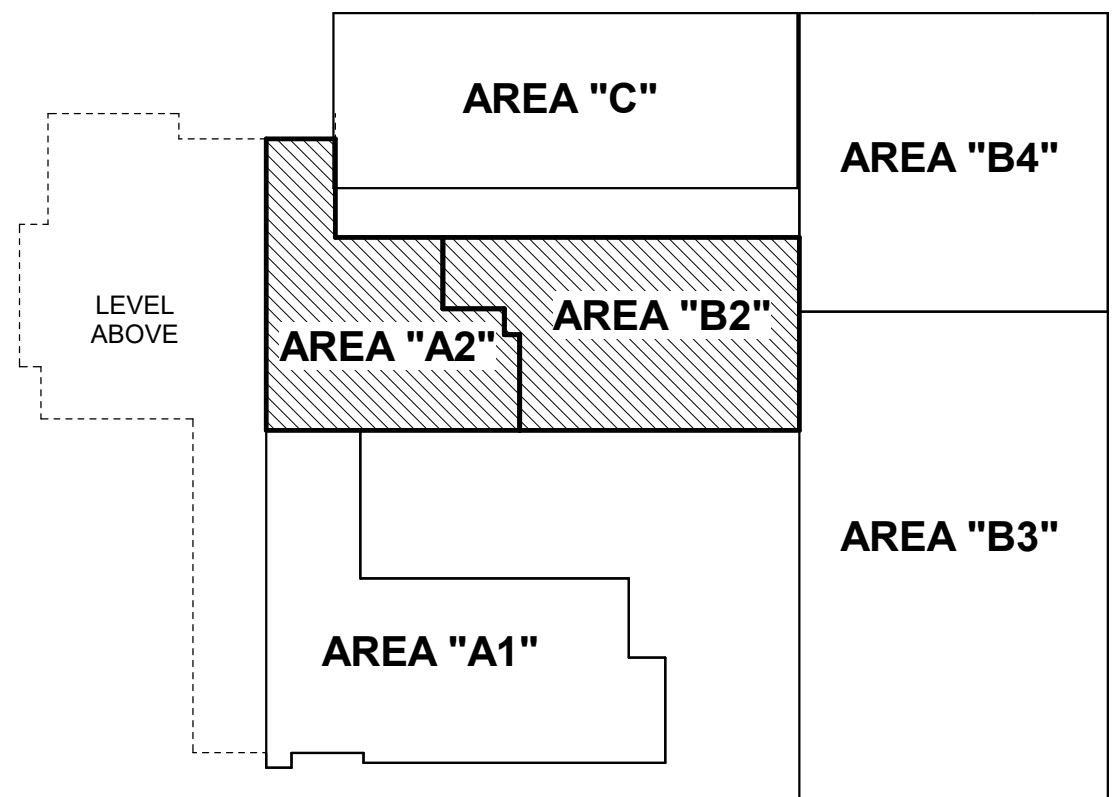
SHEET NUMBER:
E2.1

BID SET



- GENERAL NOTES:**
1. CONNECT ALL EXIT SIGNAGE INDICATED ON THIS DRAWING TO CIRCUIT E1L2-6 U.O.N.
 2. U.O.N. ALL EXIT SIGNAGE INDICATED SHALL BE TYPE 'X'.
 3. RE-USE EXISTING LIGHTING CONTROL OUTLET BOXES THAT WERE MAINTAINED DURING DEMOLITION WHERE POSSIBLE FOR NEW LIGHTING CONTROL DEVICES.
- DRAWING NOTES:**
1. PROPOSED LOCATION FOR SINGLE ZONE ROOM CONTROLLER SERVING B-ST1, WALL MOUNTED, ABOVE ACCESSIBLE CEILING. ENTIRE STAIRWELL FUNCTIONS AS ONE ZONE. 30% OUTPUT WHEN UNOCCUPIED.

FLOOR PLAN - LEVEL 1 - AREA A2 AND B2 -
LIGHTING
1/8" = 1'-0"



KEY PLAN LEVEL 1



3/17/2025 10:57:31 AM

ISSUE DATES
DATE: 03/17/2025
DESCRIPTION: BID SET

PROJ # : 21-DCIU-03
SHEET TITLE:
FLOOR PLAN - LEVEL 1
- AREA A2 AND B2 -
LIGHTING
SHEET NUMBER:
E2.2

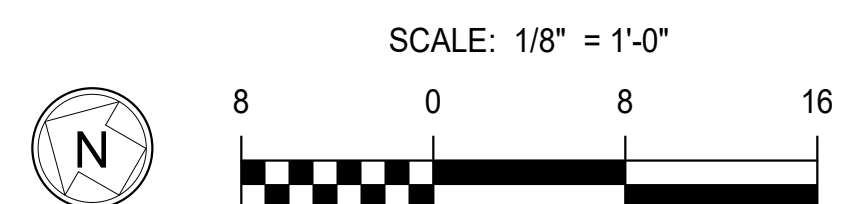
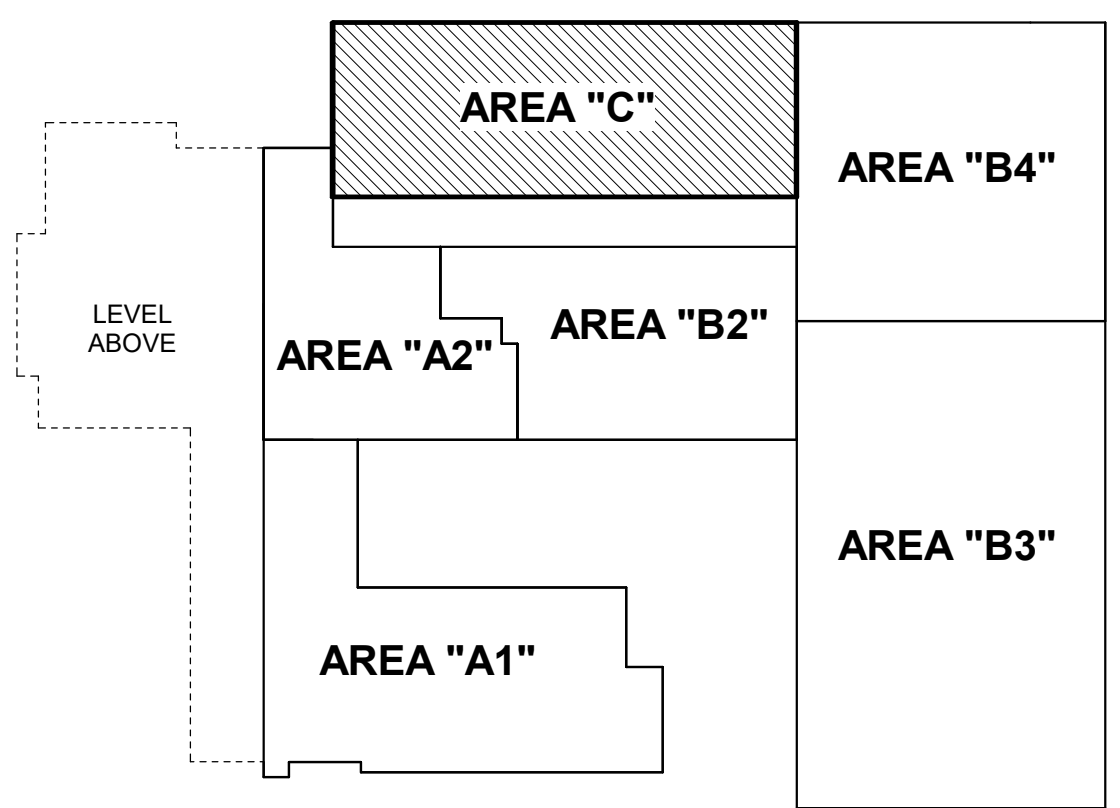
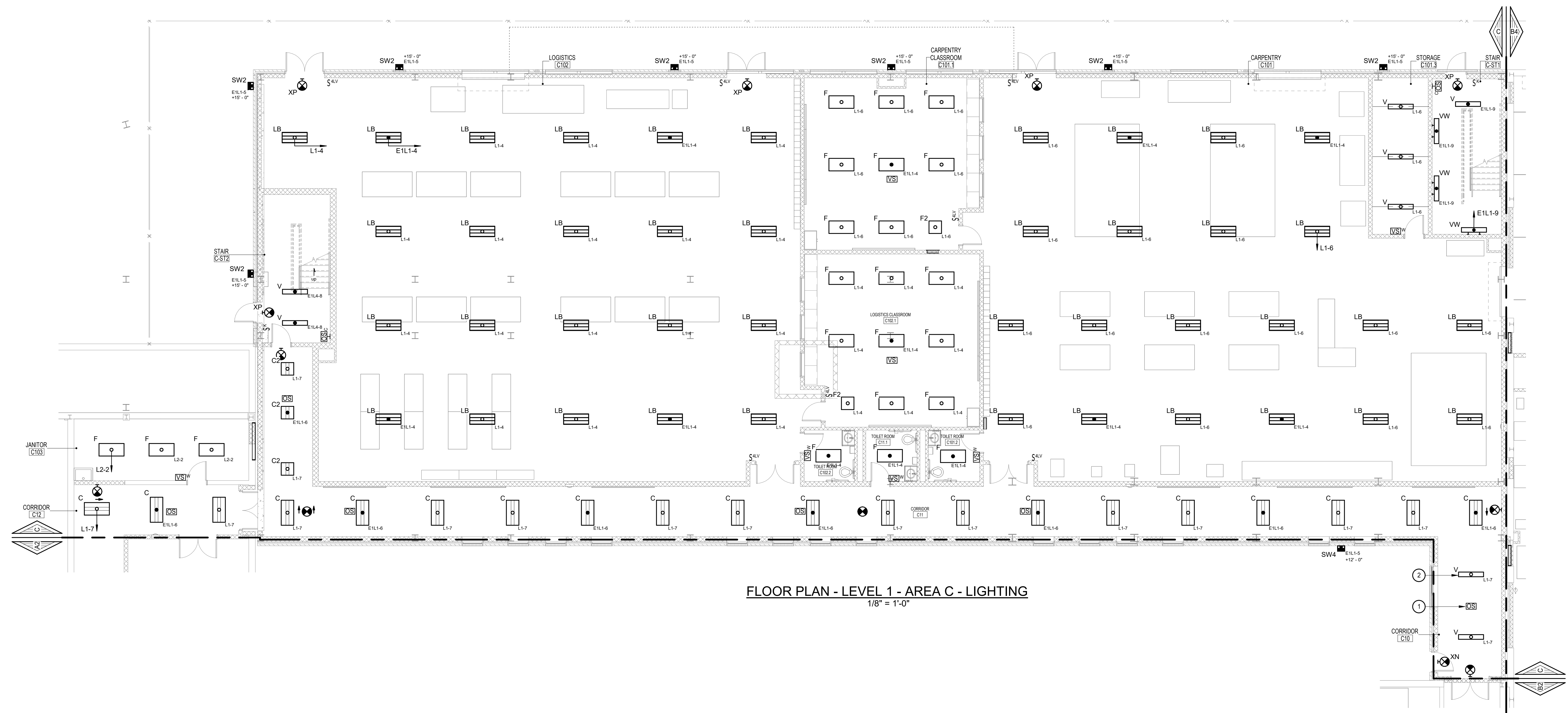
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- GENERAL NOTES:**
1. CONNECT ALL EXIT SIGNAGE INDICATED ON THIS DRAWING TO CIRCUIT E1L1-2 U.O.N.
 2. U.O.N. ALL EXIT SIGNAGE INDICATED SHALL BE TYPE 'X'.
 3. RE-USE EXISTING LIGHTING CONTROL OUTLET BOXES THAT WERE MAINTAINED DURING DEMOLITION WHERE POSSIBLE FOR NEW LIGHTING CONTROL DEVICES.
- DRAWING NOTES:**
- ① PROVIDE RIGID SUSPENSION TO J-BOX FOR MOUNTING OF CEILING MOUNT STYLE OCCUPANCY SENSOR. MOUNT SENSOR'S LENSING JUST BELOW CORRIDOR LIGHT FIXTURES TO AVOID BLOCKAGE.
 - ② REFER TO DIGITAL IMAGE FOR PROPOSED MOUNTING OF ALL TYPE 'V' LIGHT FIXTURES SERVING CORRIDOR C10. FIELD VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN. B.O.D. SHALL BE AT 10'-0" A.F.F. TO BOTTOM OF LIGHT FIXTURE.

1

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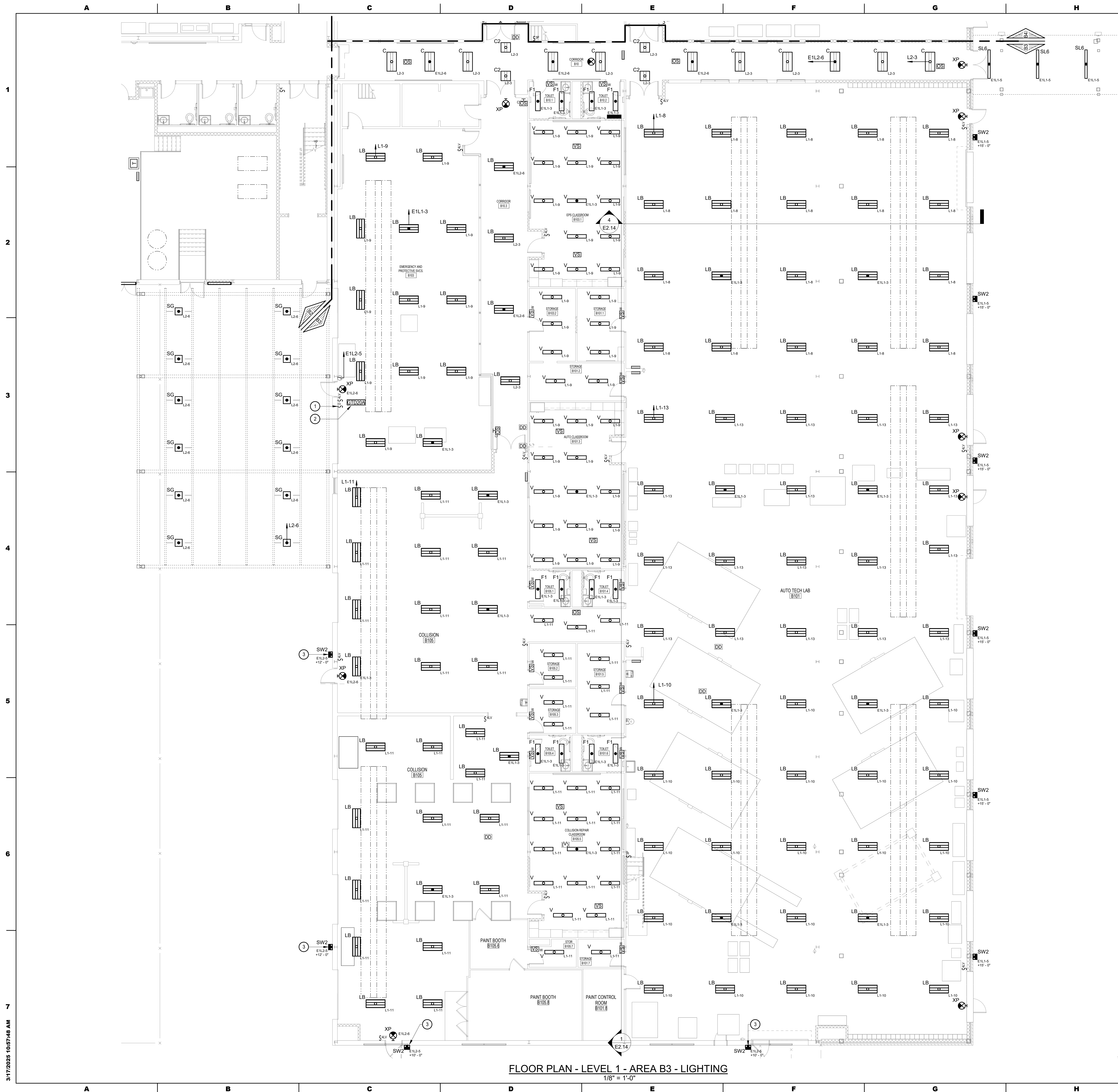
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DELAWARE COUNTY
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DATE:	03/17/2025	DESCRIPTION:	BID SET
PROJECT #:	21-DCIU-03	DRAWN BY:	DS
SHEET TITLE:			

FLOOR PLAN - LEVEL 4
- AREA C - LIGHTING

SHEET NUMBER:
E2.3

BID SET



GENERAL NOTES:

1. CONNECT ALL EXIT SIGNAGE INDICATED ON THIS DRAWING TO CIRCUIT E1L1-2 U.O.N.
2. U.O.N., ALL EXIT SIGNAGE INDICATED SHALL BE TYPE 'X'.
3. RE-USE EXISTING LIGHTING CONTROL OUTLET BOXES THAT WERE MAINTAINED DURING DEMOLITION WHERE POSSIBLE FOR NEW LIGHTING CONTROL DEVICES.

DRAWING NOTES:

- 1 FOR LOCALIZED CONTROL OF ALL TYPE 'SG' LUMINAIRES. 0-10v. WIRING REQUIRED. MOUNT IN SINGLE GANG BOX NEXT TO SHOP LIGHTING CONTROLS (NOT PART OF EMERGENCY & PROTECTIVE SVCS' LIGHTING CONTROLS) AND PROVIDE LABEL ON COVER PLATE. EXACT LABELING STYLE AND LETTERING SHALL BE PER ARCHITECTURAL DIRECTION.
- 2 PROPOSED LOCATION (WALL MOUNTED AT ~7'-0" A.F.F.) OF 20amp RATED GTD FOR LOCALIZED BY-PASS OF ALL TYPE 'SG' LUMINAIRES. CONNECT EMERGENCY SIDE OF GTD TO CIRCUIT E1L2-5.
- 3 MOUNT AT EXISTING LOCATION MAINTAINED DURING DEMOLITION.

SEAL:

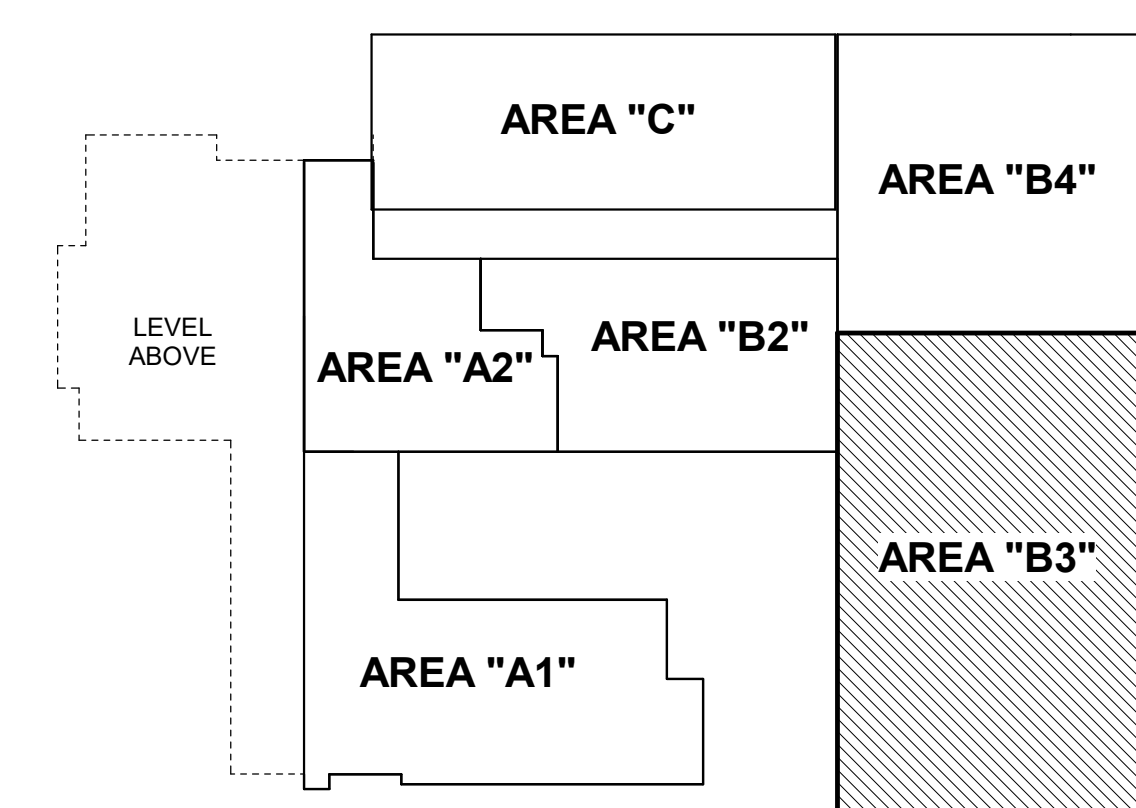
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KEY PLAN LEVEL 1



ISSUE DATES		DESCRIPTION:	THE DATE
DATE:			

PROJ # : 21-DCIU-03	DRAWN BY : DSY
SHEET TITLE:	

**FLOOR PLAN - LEVEL 1
- AREA B3 - LIGHTING**

SHEET NUMBER:

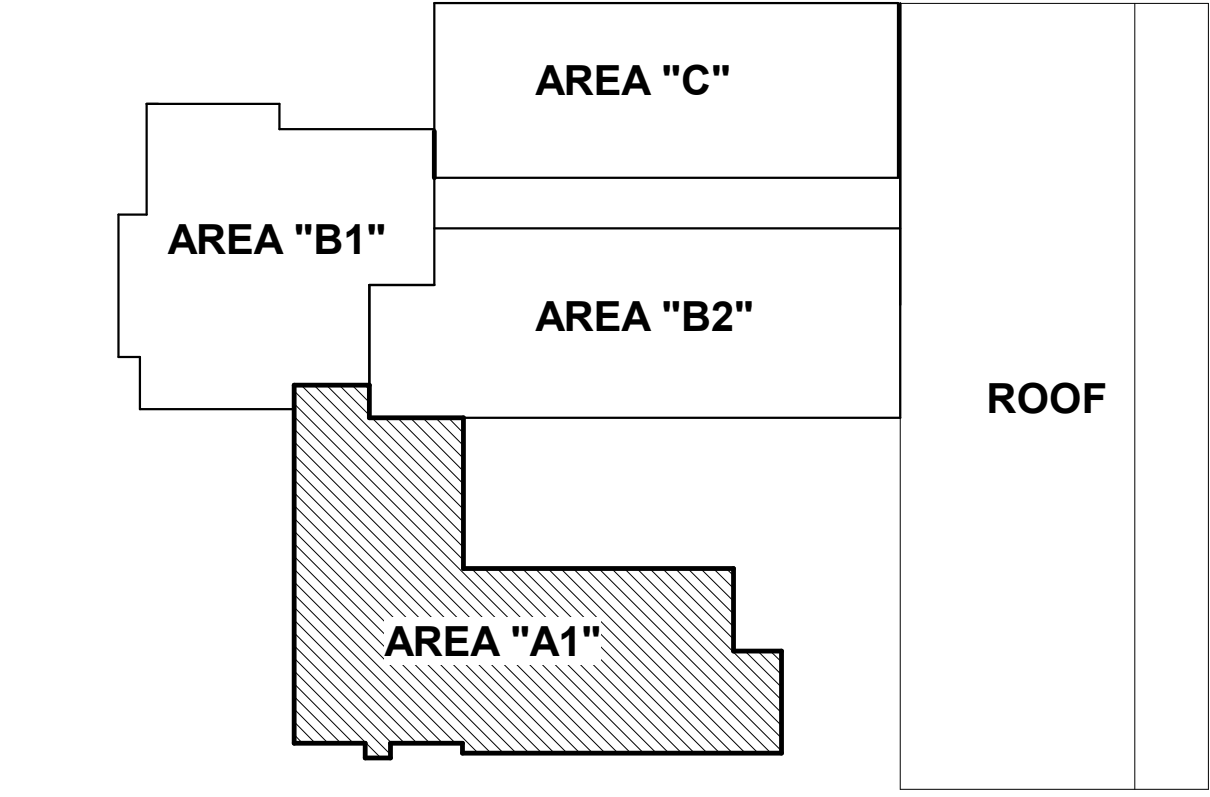
E2.5

BID SET

3/17/2025 10:57:55 AM



FLOOR PLAN - LEVEL 2 - AREA A1 - LIGHTING
1/8" = 1'-0"



KEY PLAN LEVEL 2



GENERAL NOTES:

1. CONNECT ALL EXIT SIGNAGE INDICATED ON THIS DRAWING TO CIRCUIT E1L3-10 U.O.N.
2. U.O.N., ALL EXIT SIGNAGE INDICATED SHALL BE TYPE 'X'.
3. RE-USE EXISTING LIGHTING CONTROL OUTLET BOXES THAT WERE MAINTAINED DURING DEMOLITION WHERE POSSIBLE FOR NEW LIGHTING CONTROL DEVICES.

DRAWING NOTES:

1. MOUNT AT EXISTING LOCATION MAINTAINED DURING DEMOLITION.

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ISSUE DATES	DESCRIPTION:	BID SET
DATE:		
03/17/2025		

PROJ # : 21-DCIU-03 DRAWN BY : DSY

SHEET TITLE:

FLOOR PLAN - LEVEL 2
- AREA A1 - LIGHTING

SHEET NUMBER:

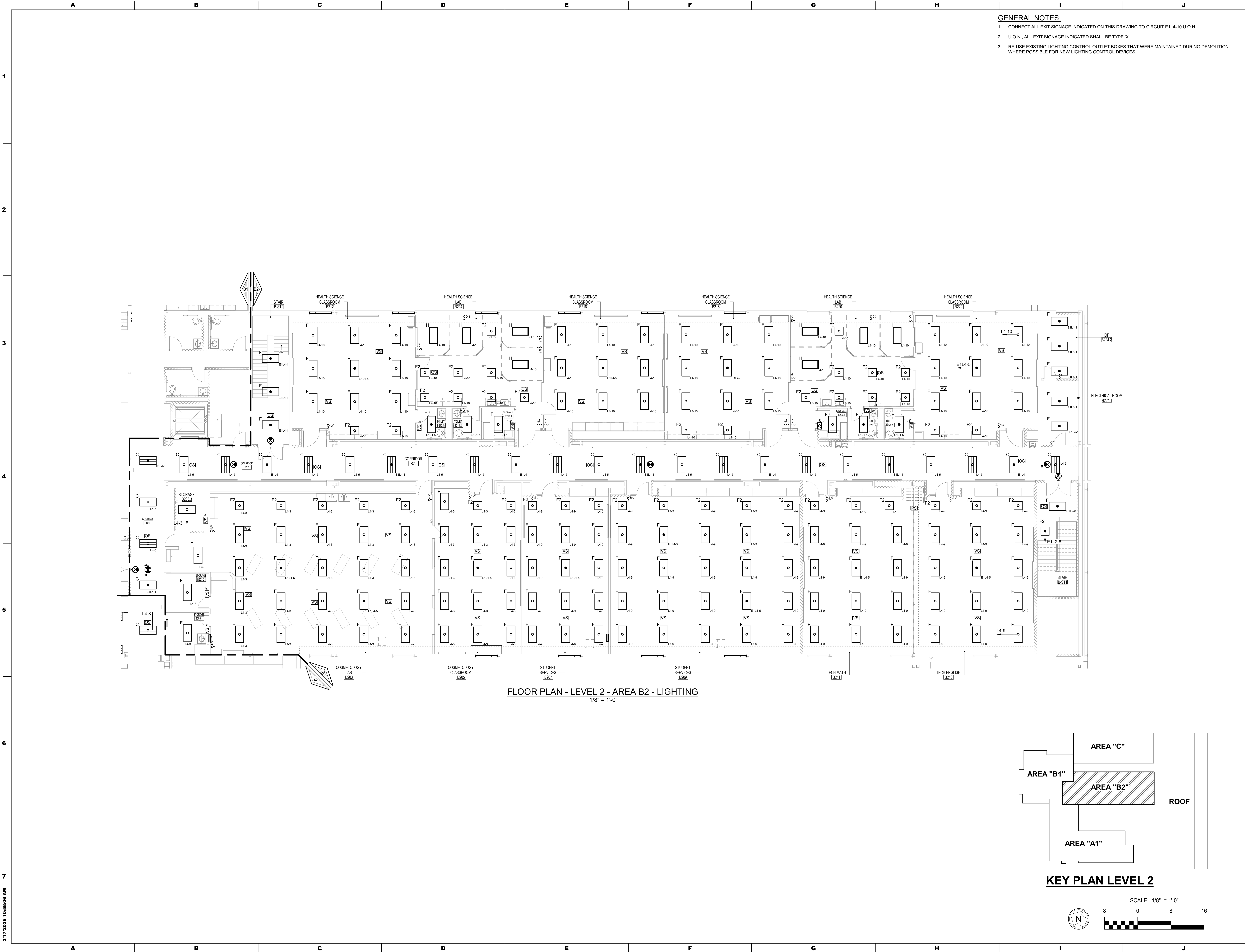
E2.6

BID SET



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1. CONNECT ALL EXIT SIGNAGE INDICATED ON THIS DRAWING TO CIRCUIT E1L4-10 U.O.N.
 2. U.O.N. ALL EXIT SIGNAGE INDICATED SHALL BE TYPE 'X'.
 3. RE-USE EXISTING LIGHTING CONTROL OUTLET BOXES THAT WERE MAINTAINED DURING DEMOLITION WHERE POSSIBLE FOR NEW LIGHTING CONTROL DEVICES.

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ISSUE DATES	DESCRIPTION	BID SET
DATE:	03/17/2025	
PROJ #:	21-DCIU-03	DRAWN BY: DSY
SHEET TITLE:		

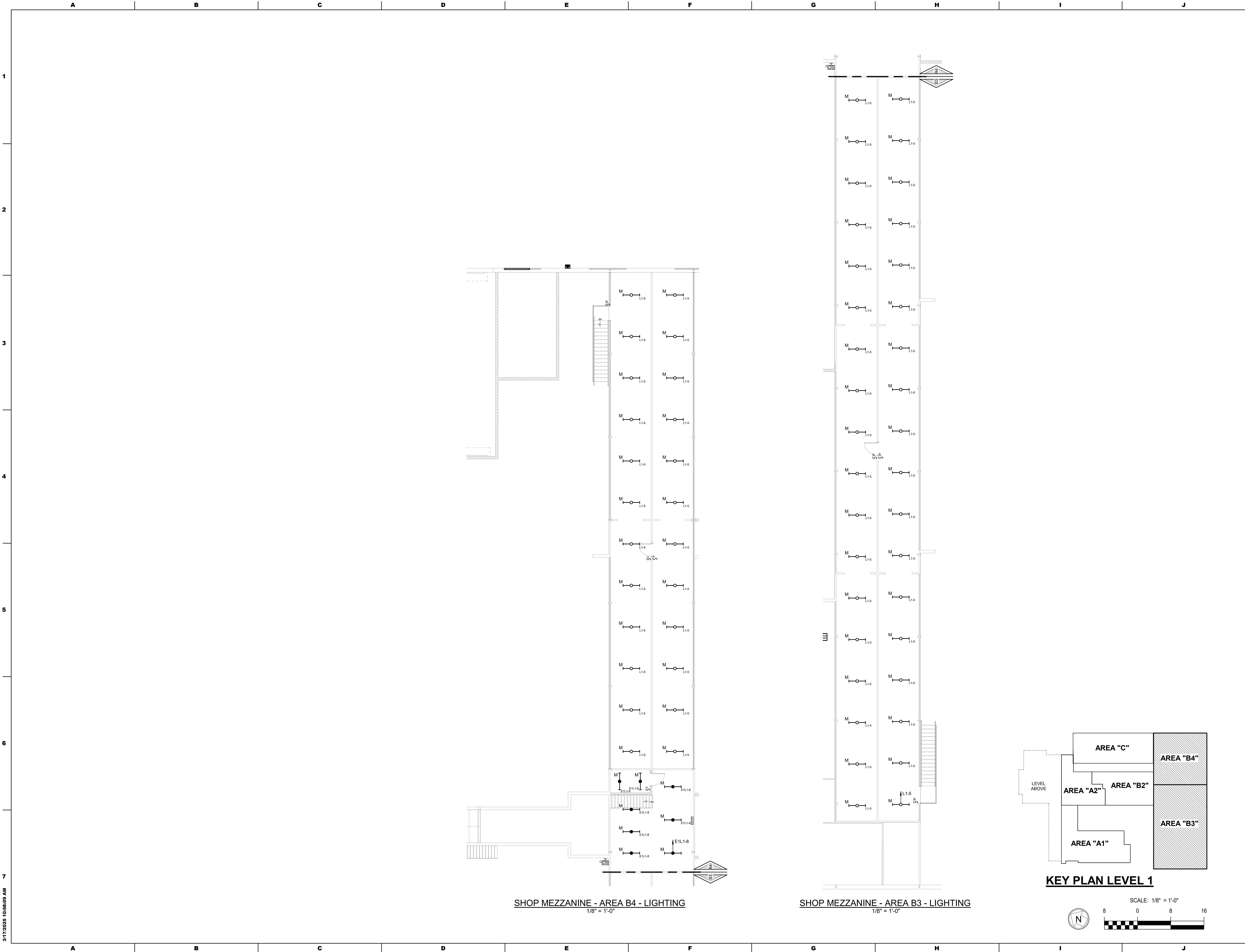
**FLOOR PLAN - LEVEL 2
- AREA B2 - LIGHTING**

SHEET NUMBER:
E2.8

BID SET

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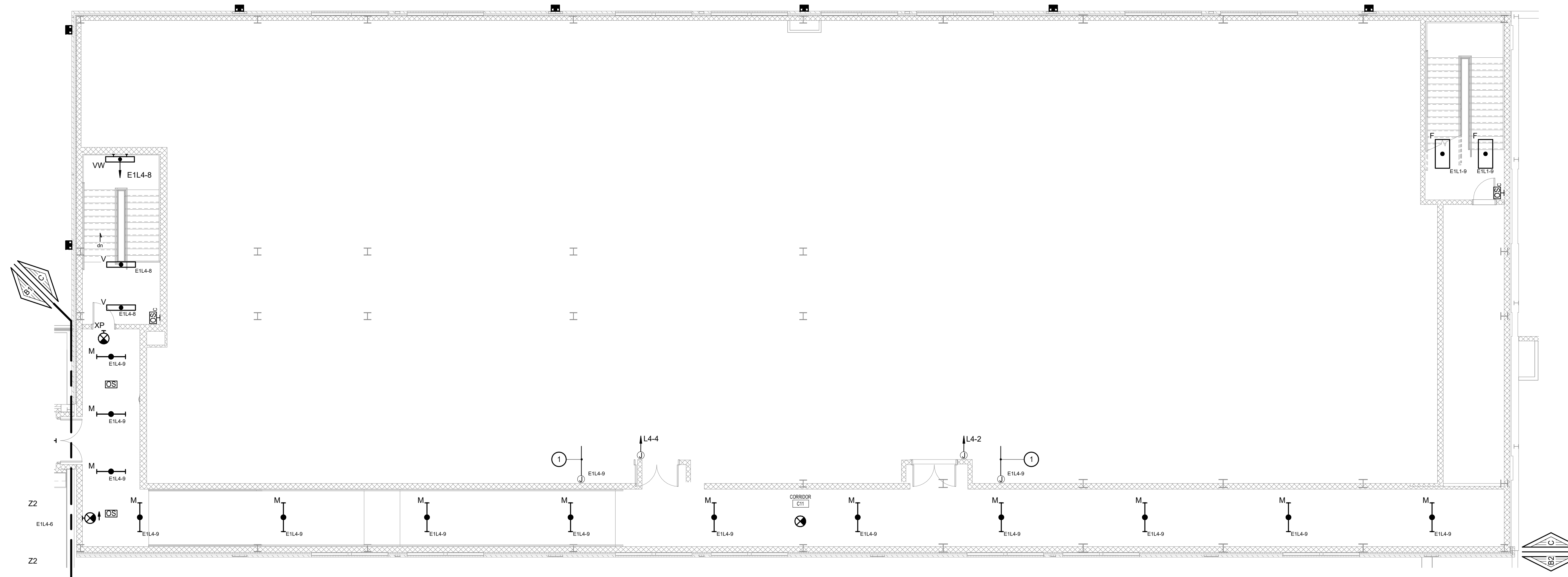
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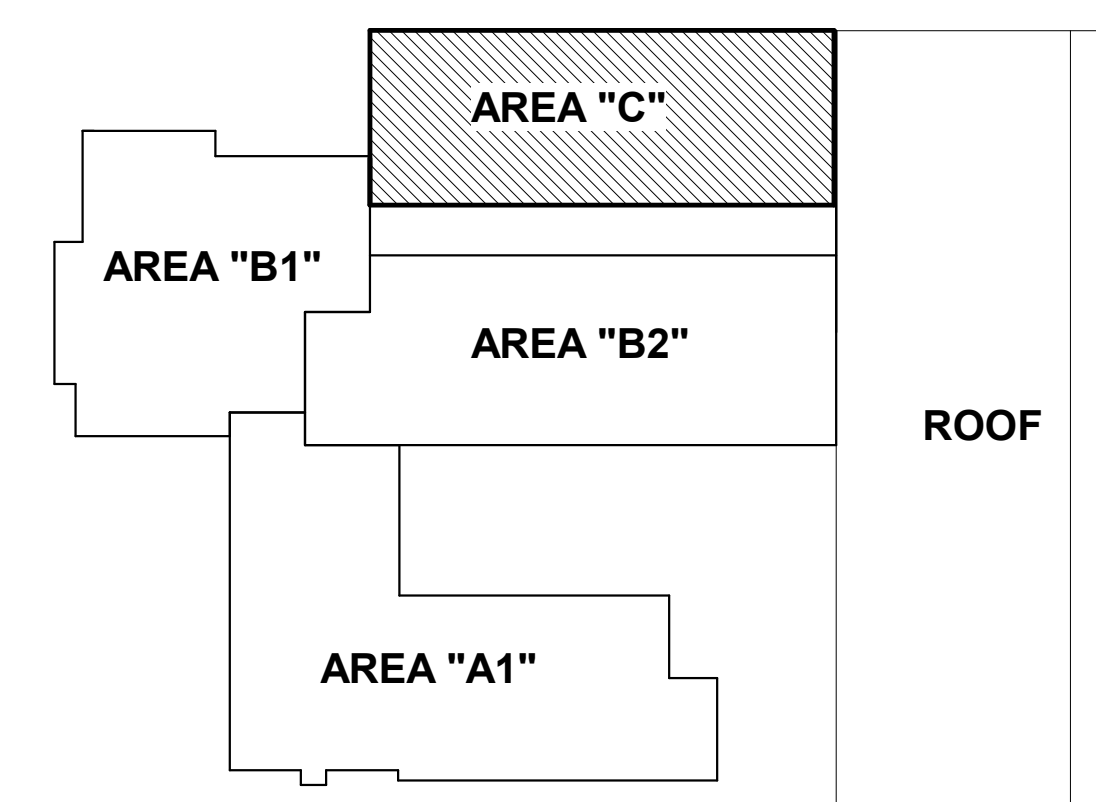
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ISSUE DATES	DESCRIPTION:	BID SET
DATE:	03/17/2025	
PROJ # :	21-DCIU-03	DRAWN BY : DSY
SHEET TITLE:		
FLOOR PLAN - SHOP MEZZANINE LEVEL - AREA B4 - LIGHTING		
SHEET NUMBER:		
E2.9		
BID SET		



FLOOR PLAN - LEVEL 2 - AREA C - LIGHTING
1/8" = 1'-0"



KEY PLAN LEVEL 2



GENERAL NOTES:


1. CONNECT ALL EXIT SIGNAGE INDICATED ON THIS DRAWING TO CIRCUIT E1L4-10 U.O.N.
2. U.O.N., ALL EXIT SIGNAGE INDICATED SHALL BE TYPE 'X'.
3. RE-USE EXISTING LIGHTING CONTROL OUTLET BOXES THAT WERE MAINTAINED DURING DEMOLITION WHERE POSSIBLE FOR NEW LIGHTING CONTROL DEVICES.

DRAWING NOTES:

- ① UNSWITCHED EMERGENCY BRANCH LIGHTING CIRCUIT FOR FUTURE SHOP SPACE.

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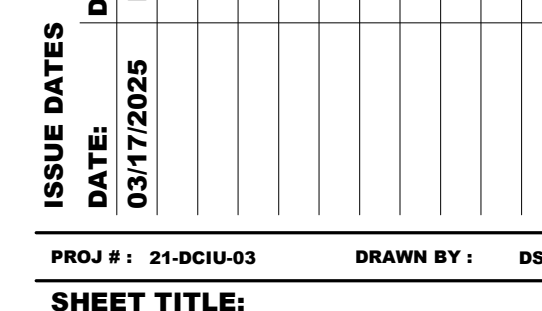
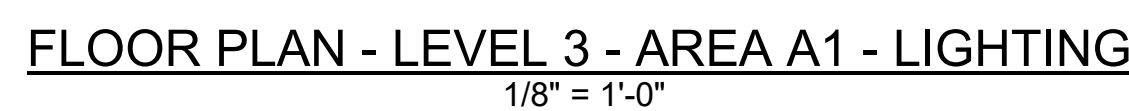
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**FLOOR PLAN - LEVEL 2
- AREA C - LIGHTING**

SHEET NUMBER:

NUMBER:
E2.10

BID SET



FLOOR PLAN - LEVEL 3
- AREA A1 - LIGHTING

SHEET NUMBER:

E2.11

BID SET

GENERAL NOTES:

1. CONNECT ALL EXIT SIGNAGE INDICATED ON THIS DRAWING TO CIRCUIT E1L3-10 U.O.N.
2. U.O.N., ALL EXIT SIGNAGE INDICATED SHALL BE TYPE 'X'.

DRAWING NOTES:

- ① FOR TYPE 'SS1' LIGHTING SYSTEM. PROVIDE 0-10v, DIMMER IN NEMA 1 ENCLOSURE ABOVE ACCESSIBLE CEILING FOR INTENSITY CONTROL SETTING AND LOCALIZED DISCONNECT MEANS.
- ② PROPOSED LOCATION FOR TYPE 'SS1' REMOTE POWER SUPPLY(S), WALL MOUNTED, ABOVE ACCESSIBLE CEILING. REFER TO GENERAL NOTE No. 4.

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ISSUE DATES	DESCRIPTION:
DATE:	

PROJ #: 21-DCIU-03 DRAWN BY: DS

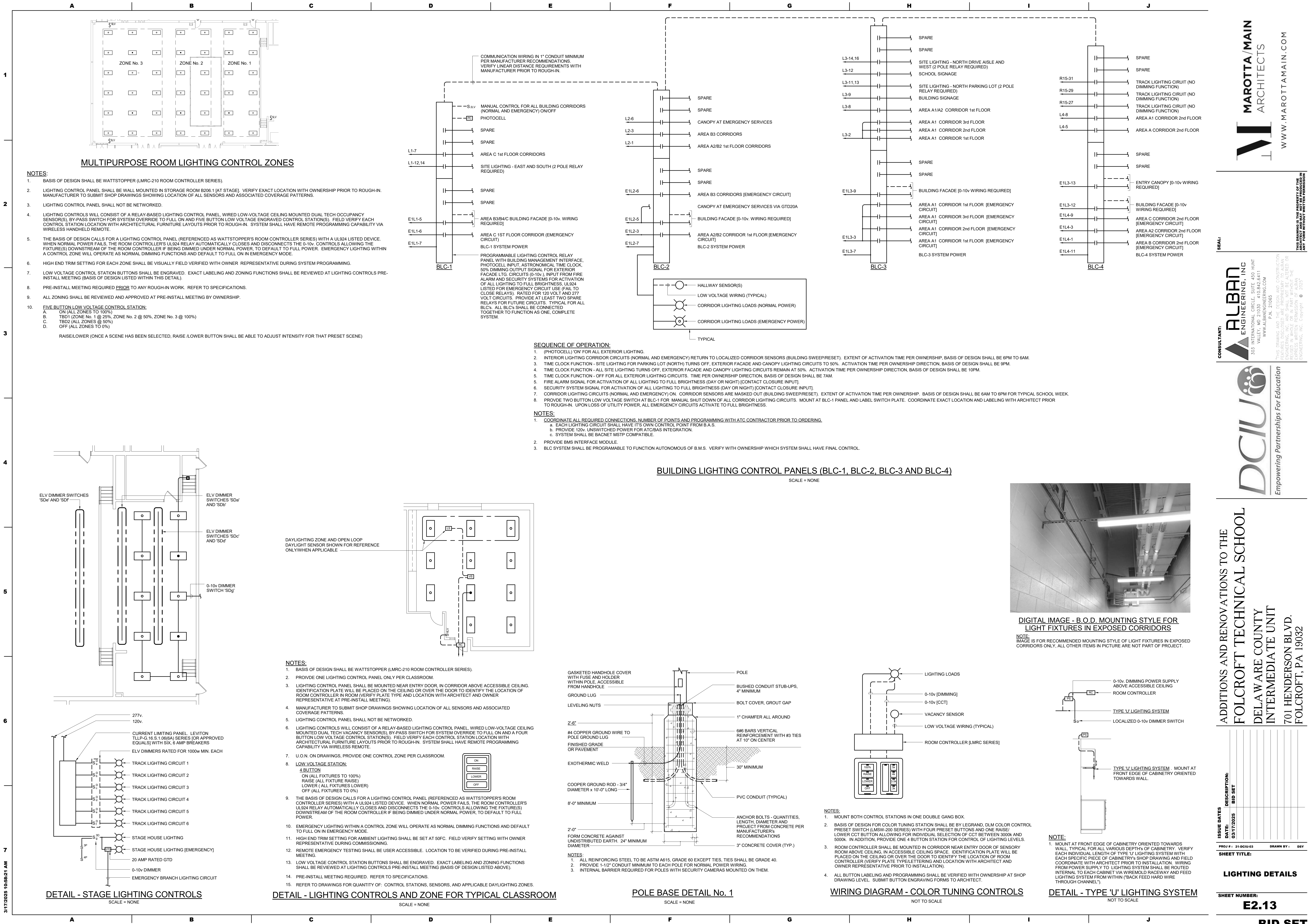
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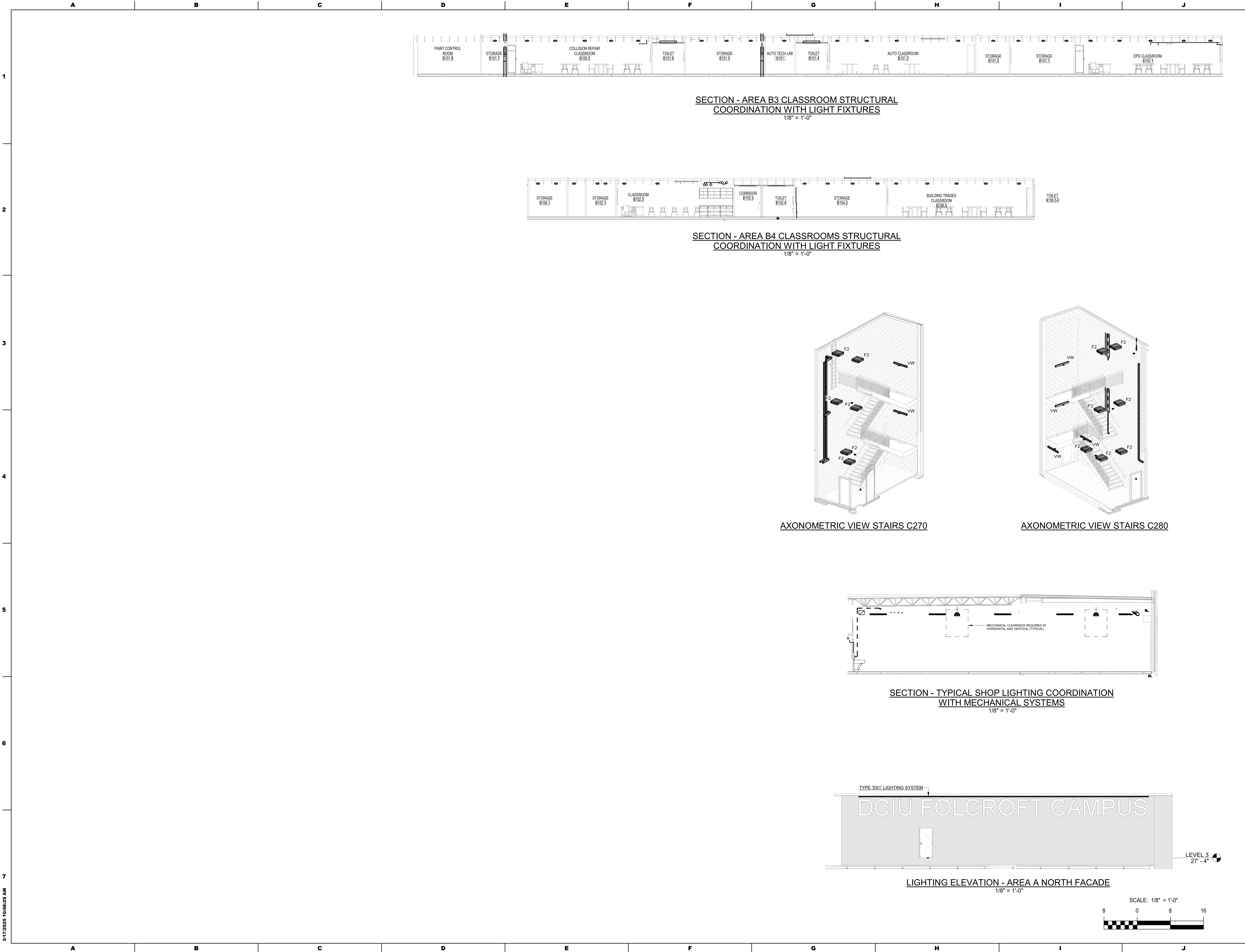
FLOOR PLAN - LEVEL 3
- AREA A1 - LIGHTING

SHEET NUMBER:

E2.11

BID SET





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DATE: 03/17/2025

DESCRIPTION: BID SET

PROJ # : 21-DCIU-03

DRAWN BY : DSY

SHEET TITLE:

LIGHTING SECTIONS AND STAIRWELL AXON VIEWS

SHEET NUMBER:

E2.14

BID SET

3/17/2025 10:58:41 AM

LIGHTING CONTROL SCHEDULE - SEQUENCE OF OPERATION*											
SPACE TYPE	ROOM NAME	ROOM NUMBER	LOCAL CONTROL	RESTRICTED MANUAL ON	RESTRICTED TO PARTIAL AUTO ON	BI-LEVEL LGT CONTROL	AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR SIDE LIGHTING	AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR TOP LIGHTING	AUTOMATIC PARTIAL OFF	AUTOMATIC FULL OFF	CONTROL NARRATIVE
CONFERENCE, MEETINGS, MULTIPURPOSE	DIAGNOSTIC AREA	A104	P.L.T.	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	LINE VOLTAGE TOGGLE SWITCH WITH PILOT LIGHT. CEILING MOUNTED LOW VOLTAGE DUAL TECH. OCCUPANCY SENSOR. AUTONOMOUS FUNCTION.
	DIAGNOSTIC	A104.2	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	
	DIAGNOSTIC	A104.3	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	
	DIAGNOSTIC	A104.5	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	
	RECEPTION	A105.1	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	4 BUTTON LOW VOLTAGE STATION(S) [ON, RAISE, LOWER, OFF], CEILING
	CONF. ROOM	A105.2	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	MOUNTED LOW VOLTAGE DUAL TECH. VACANCY SENSOR(S), NON-
	CONF. ROOM	A105.3	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	NETWORKED ROOM CONTROLLER.
	WORK AREA	B109.2	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	
	CONF. ROOM	A219.5	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	
	LACT	A102.2	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER	DUAL TECH VACANCY SENSOR/0-10v. DIMMER SWITCH COMBINATIONS). MANUAL ON. AUTO OFF OR MANUAL OFF VIA WALL SENSOR/DIMMER SWITCH.
	LACT	A10.2	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER	
	WORKROOM	A219.11	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER	
	WORKROOM	A219.12	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER	
	OBSERVATION	A104.1	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	4 BUTTON LOW VOLTAGE STATION(S) [ON, RAISE, LOWER, OFF], NON-
	OBSERVATION	A104.4	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	NETWORKED ROOM CONTROLLER. CONTROL STATION LOCATED IN
	WORKROOM	A112.7	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	DIAGNOSTIC ROOM.
	SERVICE COORD	B109.1	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	CLG. SENSOR/ROOM CONTROLLER
	ROOM	A213	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	4 BUTTON LOW VOLTAGE STATION(S) [ON, RAISE, LOWER, OFF], CEILING
	OBSERVATION	A303.1	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	MOUNTED LOW VOLTAGE DUAL TECH. OCCUPANCY SENSOR(S), NON-
	HEADSTART CONF.	A305.2	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	NETWORKED ROOM CONTROLLER.
	STAFF LOUNGE	B210	TUNABLE WHITE	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	CLG. SENSOR/ROOM CONTROLLER
	EARLY HEADSTART 1	A107	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	CEILING MOUNTED LOW VOLTAGE DUAL TECH. OCCUPANCY SENSOR(S), NON-NETWORKED ROOM CONTROLLER. TUNABLE WHITE CONTROLS. REFER TO DETAIL.
	EARLY HEADSTART 2	A109	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	
	EARLY HEADSTART 3	A111	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	
	EARLY HEADSTART 4	A114	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	
	PRESCHOOL 1	A115	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	
	PRESCHOOL 2	A116	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	
	PRESCHOOL 3	A119	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	
	PRESCHOOL 5	A120	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	
	PRESCHOOL 4	A121	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	
	DEVELOPMENTAL DELAY	A123	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	
	AUTO CLASSROOM	B101.3	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	
CLASSROOM	B102.2	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
EPS CLASSROOM	B103.1	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
CLASSROOM	B104.1	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
COLLISION REPAIR CLASSROOM	B105.5	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
BUILDING TRADES CLASSROOM	B106.5	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
THERAPY ALLEY	B109	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
ENGINEERING LAB	B110	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
ENGINEERING CLASSROOM	B112	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
CARPENTRY CLASSROOM	C101.1	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
LOGISTICS CLASSROOM	C102.1	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HEADSTART 11	A201	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HEADSTART 5	A202	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HEADSTART 10	A203	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	4 BUTTON LOW VOLTAGE STATION(S) [ON, RAISE, LOWER, OFF], CEILING	
HEADSTART 4	A204	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	MOUNTED LOW VOLTAGE DUAL TECH VACANCY SENSOR(S), NON-	
HEADSTART 9	A205	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	NETWORKED ROOM CONTROLLER.	
HEADSTART 3	A206	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HS GROSS MOTOR	A207	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
COSMETOLOGY CLASSROOM	A208	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
CLASSROOM	A209	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
COSMETOLOGY	A210	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
CLASSROOM	A211	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
CLASSROOM	A215	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
COSMETOLOGY LAB	B203	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
COSMETOLOGY CLASSROOM	B205	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
STUDENT SERVICES	B207	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
STUDENT SERVICES	B209	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
TECH MATH	B211	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HEALTH SCIENCE CLASSROOM	B212	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
TECH ENGLISH	B213	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HEALTH SCIENCE CLASSROOM	B216	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HEALTH SCIENCE CLASSROOM	B218	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HEALTH SCIENCE CLASSROOM	B222	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HEADSTART 16	A301	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HEADSTART 15	A302	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HEADSTART 14	A304	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HEADSTART 13	A306	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
HEADSTART 17	A307	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO		
AUTISTIC SUPPORT	A303	TUNABLE WHITE	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	CLG. SENSOR/ROOM CONTROLLER	
FITNESS/HEALTH CLASSROOM	B114	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	WALL SENSOR/ROOM CONTROLLER	
HEALTH SCIENCE LAB	B214	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	WALL SENSOR/ROOM CONTROLLER	
HEALTH SCIENCE LAB	B218	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	WALL SENSOR/ROOM CONTROLLER	
AUTOTECH LAB	B101	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	NO	
EMERGENCY AND PROTECTIVE SVCS.	B103	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	NO	
COLLISION	B105	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	NO	
BUILDING TRADES	B106	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	NO	
CARPENTRY	C101	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	NO	
LOGISTICS	C102	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	NO	NO	
CORRIDORS	VESTIBULE	A101	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	SENSORS/BLC	
	WAITING	A102	NOTE No. 2.	BLC SYSTEM	NO	NO	COMBINED WITH VESTIBULE A101		N/A	NO	SENSORS/BLC
	CORRIDOR	A10	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC
	CORRIDOR	A11	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC
	CORRIDOR	A12	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC
	CORRIDOR	A13	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC
	CORRIDOR	B10	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC
	CORRIDOR	A23	NOTE No. 2.	BLC SYSTEM	NO	NO	COMBINED WITH CORRIDOR 10.3.		N/A	NO	SENSORS/BLC
	CORRIDOR	B12	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC
	CORRIDOR	C11	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC
	CORRIDOR	C12	NOTE No. 2.	BLC SYSTEM	NO	NO	COMBINED WITH CORRIDOR C11		N/A	NO	SENSORS/BLC
	CORRIDOR	A21	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC
	CORRIDOR	A22	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC
	CORRIDOR	A23	NOTE No. 2.	BLC SYSTEM	NO	NO	COMBINED WITH CORRIDOR A22		N/A	NO	SENSORS/BLC
	CORRIDOR	A31	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC
	VESTIBULE	B201	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC
LOBBY	B202	NOTE No. 2.	BLC SYSTEM	NO	NO	COMBINED WITH VESTIBULE B201		N/A	NO	SENSORS/BLC	
CORRIDOR	B21	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC	
CORRIDOR	B22	NOTE No. 2.	BLC SYSTEM	NO	NO	N/A	N/A	NO	NO	SENSORS/BLC	
ELECTRICAL AND MECHANICAL SPACES	IDF	A108	P.L.T.	NO	NO	NO	N/A	N/A	NO	NO	
	ELEC	A110	P.L.T.	NO	NO	NO	N/A	N/A	NO	NO	
	EMR	A118.1	P.L.T.	NO	NO	NO	N/A	N/A	NO	NO	
	ELEC	A122	P.L.T.	NO	NO	NO	N/A	N/A	NO	NO	
	DATA ROOM	B12.4	P.L.T.	NO	NO	NO	N/A	N/A	NO	NO	
	ELEC	B12.5	P.L.T.	NO	NO	NO	N/A	N/A	NO	NO	
	MECHANICAL	B107	3-WAY P.L.T.	NO	NO	NO	N/A	N/A	NO	NO	
	ELECTRICAL ROOM	B108	3-WAY P.L.T.	NO	NO	NO	N/A	N/A	NO	NO	
	ELEC. ROOM	A22.2	P.L.T.	NO	NO	NO	N/A	N/A	NO	NO	
	DATA ROOM	A217.1	P.L.T.	NO	NO	NO	N/A	N/A	NO	NO	
	ELECTRICAL ROOM	B274.1	P.L.T.	NO	NO	NO	N/A	N/A	NO	NO	
	IDF	B274.2	P.L.T.	NO	NO	NO	N/A	N/A	NO	NO	LINE VOLTAGE TOGGLE SWITCH WITH PILOT LIGHT.
ELECTRICAL ROOM	B27.1	P.L.T.	NO	NO	NO	N/A	N/A	NO	NO		
IDF	A31.2	P.L.T.	NO	NO	NO	N/A	N/A	NO	NO		
FOOD PREPERATION	NUTRITION KITCHEN	A103	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	4 BUTTON LOW VOLTAGE STATION(S) [ON, RAISE, LOWER, OFF], CEILING MOUNTED LOW VOLTAGE DUAL TECH. OCCUPANCY SENSOR(S), NON-NETWORKED ROOM CONTROLLER.
	KITCHEN	B208	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	
HEALTH CARE	NURSE OFFICE	A219.6	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER	DUAL TECH VACANCY SENSOR/0-10v. DIMMER SWITCH COMBINATIONS). MANUAL ON. AUTO OFF OR MANUAL OFF VIA WALL SENSOR/DIMMER SWITCH.
	NURSE SUITE	A219.7	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	4 BUTTON LOW VOLTAGE STATION [ON, RAISE, LOWER, OFF], CEILING MOUNTED LOW VOLTAGE DUAL TECH. OCCUPANCY SENSOR, NON-NETWORKED ROOM CONTROLLER.

ADDITIONS AND RENOVATIONS TO THE
FOLCROFT TECHNICAL SCHOOL
DELAWARE COUNTY
INTERMEDIATE UNIT
701 HENDERSON BLVD.
FOLCROFT, PA 19032

ISSUE DATES
DATE: 03/17/2025
DESCRIPTION: BID SET
PROJ #: 21-DCIU-03
DRAWN BY: DSY
SHEET TITLE:
SEQUENCE OF OPERATIONS

SHEET NUMBER:
E2.15
BID SET

CONSULTANT:
ALBAN ENGINEERING, INC.
303 INTERNATIONAL CIRCLE, SUITE 450 HUNT VALLEY, MD 20884-6471
WWW.ALBANENGINEERING.COM
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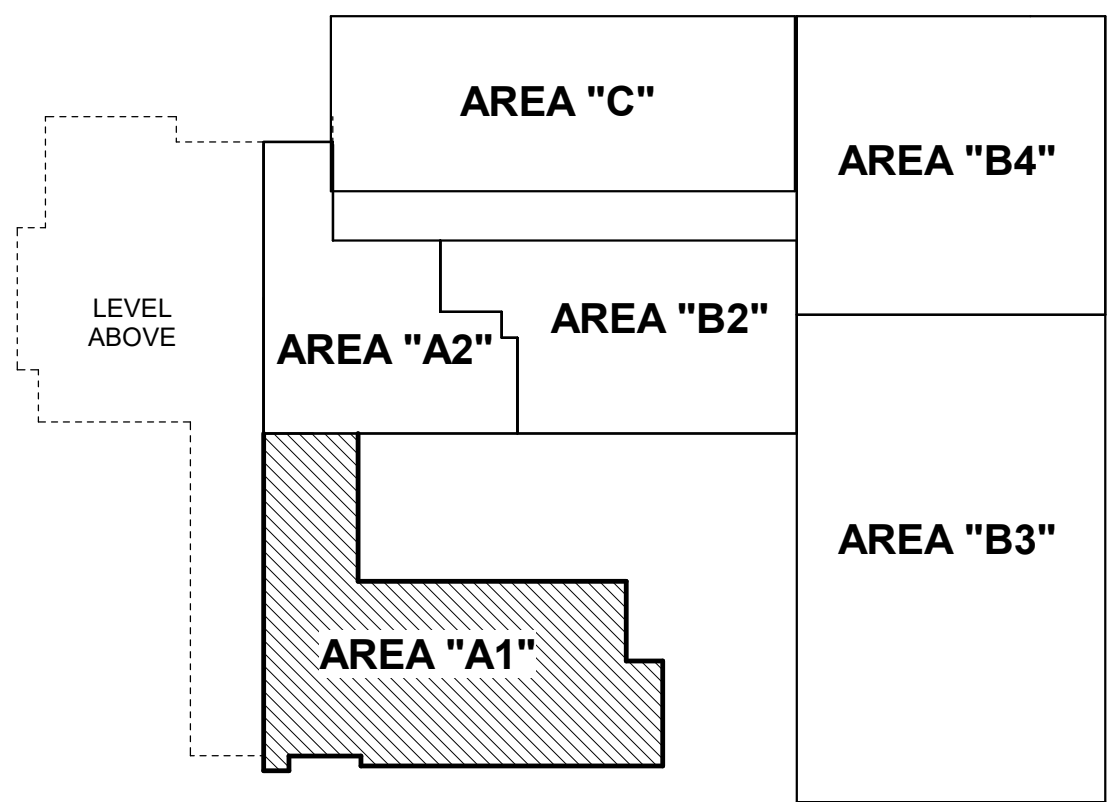
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LIGHTING CONTROL SCHEDULE - SEQUENCE OF OPERATION*													
SPACE TYPE	ROOM NAME	ROOM NUMBER	LOCAL CONTROL	RESTRICTED MANUAL ON	RESTRICTED TO PARTIAL AUTO ON	BI-LEVEL LTG CONTROL	AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR SIDE LIGHTING	AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR TOP LIGHTING	AUTOMATIC PARTIAL OFF	AUTOMATIC FULL OFF	CONTROL NARRATIVE		
OFFICES	OFFICE	A103.1	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER	DUAL TECH VACANCY SENSOR/D-10v. DIMMER SWITCH COMBINATION. MANUAL ON. AUTO OFF OR MANUAL OFF VIA WALL SENSOR/DIMMER SWITCH.		
	CONSULT	A112.1	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER			
	HS ED MANAGER	A112.2	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER			
	HS ED SPEC	A112.3	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER			
	HS ED SPEC	A112.4	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER			
	SUPERVISOR EL	A219.2	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER			
	OFFICE	A219.3	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER			
	OFFICE	A219.4	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER			
	OFFICE	B208.7	WALL SENSOR/DIMMER	WALL SENSOR/DIMMER	NO	WALL SENSOR/DIMMER	N/A	N/A	NO	WALL SENSOR/DIMMER			
	OFFICES/FSWS/FSW	A113	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER			
FSWS OFFICES	A305.1	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	4 BUTTON LOW VOLTAGE STATION(S) [ON, RAISE, LOWER, OFF], CEILING MOUNTED LOW VOLTAGE DUAL TECH VACANCY SENSOR AND NON-NETWORKED ROOM CONTROLLER.			
HV/FSWS OFFICE	A112.5	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER	4 BUTTON LOW VOLTAGE STATION [ON, RAISE, LOWER, OFF], CEILING MOUNTED LOW VOLTAGE DUAL TECH. OCCUPANCY SENSOR, NON-NETWORKED ROOM CONTROLLER.			
OFFICE	A219.1	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	CLG. SENSOR/ROOM CONTROLLER				
RESTROOMS	TOILET	A102.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH	DUAL TECH VACANCY SENSOR/SWITCH COMBINATION. MANUAL ON. AUTO OFF OR MANUAL OFF VIA WALL SENSOR/SWITCH.		
	TOILET	A107.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A109.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A10.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	STAFF TOILET	A12.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	STAFF TOILET	A12.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A111.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A115.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A116.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A120.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A121.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B101.4	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B101.6	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B102.3	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B102.4	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B105.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B105.4	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B106-5.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B106-5.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B10.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B10.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B12.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B12.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B12.3	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET ROOM	C101.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET ROOM	C102.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET ROOM	C11.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A201.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A202.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A203.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A204.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A205.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A206.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A207.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A211.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A219.8	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A219.9	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A22.7	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B208.3	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B208.5	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B208.8	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B212.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B214.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B220.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	B222.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET RM	B23.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET RM	B23.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET RM	B23.3	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A301.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
	TOILET	A302.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
TOILET	A303.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
TOILET	A304.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
TOILET	A306.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
TOILET	A307.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
TOILET	A31.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
STAIRS	STAIR	B-ST1	KEYED TOGGLE	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	YES	NO	KEYED SWITCH FOR MANUAL ON/OFF. WALL/CEILING MOUNTED DUAL TECH LOW VOLTAGE OCCUPANCY SENSORS AND SINGLE ZONE ROOM CONTROLLER. ~30% STEP DIM WHEN NOT OCCUPIED. AUTONOMOUS FUNCTION. ENTIRE STAIR WELL/ALL LEVELS FUNCTIONS AS ONE SPACE. REFER TO NOTE No. 1.		
	STAIR	B-ST2	KEYED TOGGLE	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	YES	NO			
	STAIR	C-ST1	KEYED TOGGLE	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	YES	NO			
	STAIR	C-ST2	KEYED TOGGLE	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	YES	NO			
	STAIR	C270	KEYED TOGGLE	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	YES	NO			
	STAIR	C280	KEYED TOGGLE	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	YES	NO			
	STORAGE	NUTRITION STORAGE	A103.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO		WALL SENSOR/SWITCH	DUAL TECH WALL SENSOR SWITCH COMBINATION. MANUAL ON. AUTO OFF OR MANUAL OFF VIA WALL SENSOR SWITCH.
		BUILDING STOR	A106	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO		WALL SENSOR/SWITCH	
		HD FILE STOR	A112.6	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO		WALL SENSOR/SWITCH	
		BUILDING STORAGE	A117	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO		WALL SENSOR/SWITCH	
STORAGE		A118.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B101.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B101.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B101.5	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B101.7	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B102.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B103.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B104.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B105.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B105.3	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B105.7	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B106.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B106.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B106.3	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B106.4	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		C101.3	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
JANITOR		C103	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		C104	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
PASSAGE		A208.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STOR		A210.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
SAFE		A219.10	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B203.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B203.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE		B203.3	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH			
STORAGE	B206.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
STORAGE	B208.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
WASHING	B208.11	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
STORAGE	B214.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
STORAGE	B220.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
STOR	B236.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
JAN CLOSET	B21.1	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
STORAGE	B21.2	WALL SENSOR/SWITCH	WALL SENSOR/SWITCH	NO	NO	N/A	N/A	NO	WALL SENSOR/SWITCH				
STORAGE	SHARED MATERIAL STORAGE	B106.6	P.L.T.	NO	NO	NO	N/A	N/A	NO	WALL SENSOR	LINE VOLTAGE TOGGLE SWITCH WITH PILOT LIGHT, WALL/CORNER MOUNTED LOW VOLTAGE DUAL TECH. OCCUPANCY SENSOR(S). AUTONOMOUS FUNCTION.		
	STOR	A217	P.L.T.	NO	NO	NO	N/A	N/A	NO	CEILING SENSOR	LINE VOLTAGE TOGGLE SWITCH WITH PILOT LIGHT, CEILING MOUNTED LOW VOLTAGE DUAL TECH. OCCUPANCY SENSOR(S). AUTONOMOUS FUNCTION.		
	STORAGE	B208.6	P.L.T.	NO	NO	NO	N/A	N/A	NO	CEILING SENSOR			
	DRY STORAGE	B208.9	SWITCH	NO	NO	NO	N/A	N/A	NO	CEILING SENSOR			
	LOCKER ROOM	B208.2	SWITCH	NO	NO	NO	N/A	N/A	NO	CEILING SENSOR	TOGGLE SWITCH, CEILING MOUNTED LOW VOLTAGE DUAL TECH. OCCUPANCY SENSOR(S). AUTONOMOUS FUNCTION.		
LOCKER ROOM	B208.4	SWITCH	NO	NO	NO	N/A	N/A	NO	CEILING SENSOR				
WHITEBOX SPACES	GRAY SHELL	B102	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	WALL SENSOR/ROOM CONTROLLER	4 BUTTON LOW VOLTAGE STATION(S) [ON, RAISE, LOWER, OFF], WALL/CORNER MOUNTED LOW VOLTAGE DUAL TECH OCCUPANCY SENSORS AND NON-NETWORKED ROOM CONTROLLER.		
	GRAY SHELL	B104	4 BUTTON	ROOM CONTROLLER	NO	ROOM CONTROLLER	N/A	N/A	NO	WALL SENSOR/ROOM CONTROLLER			



SCALE: 1/8" = 1'-0"



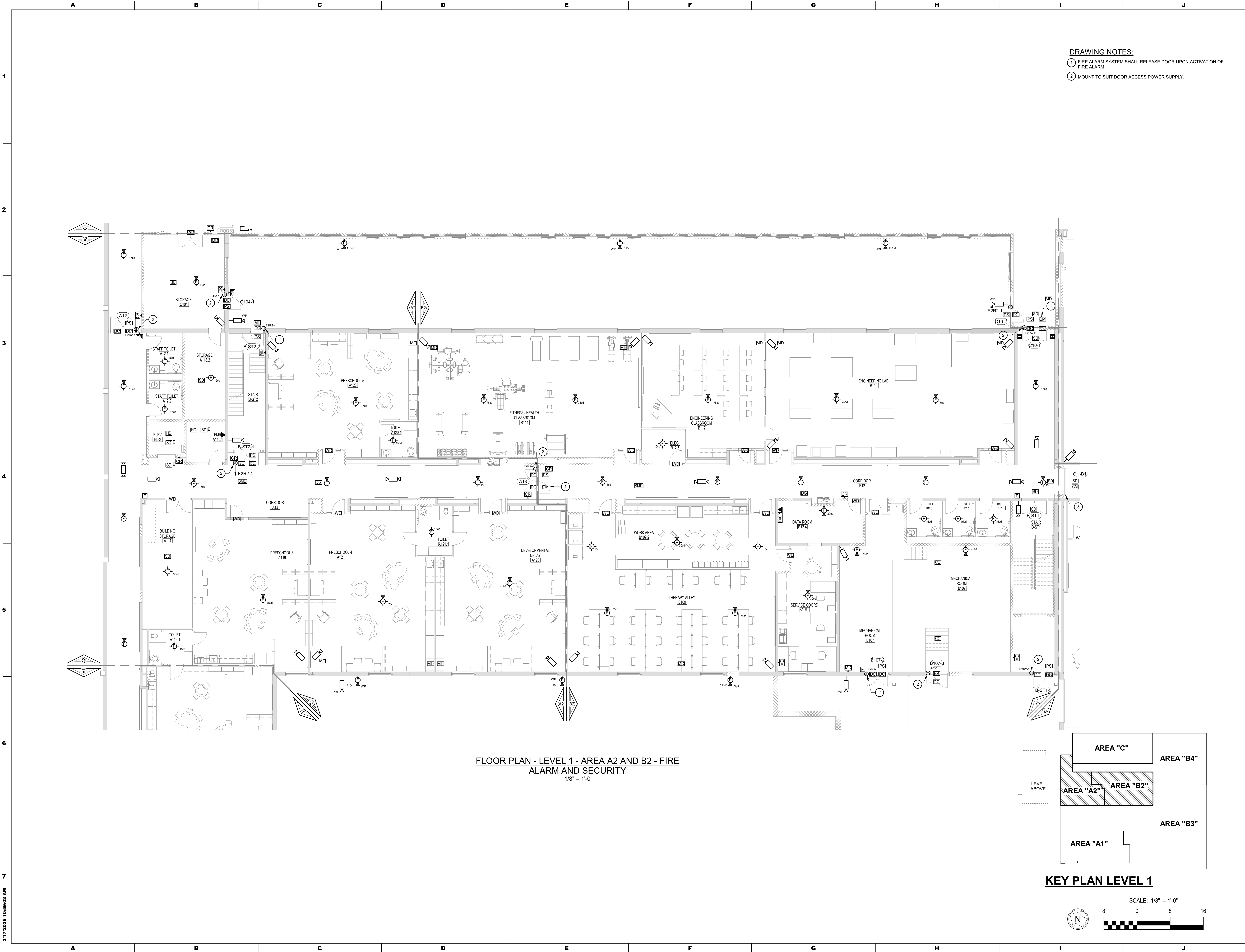
- ① FIRE ALARM SYSTEM SHALL RELEASE DOOR UPON ACTIVATION OF FIRE ALARM.
- ② MOUNT TO SUIT DOOR ACCESS POWER SUPPLY.
- ③ DESKTOP CONTROL CONSOLE FOR DOOR RELEASE, DTC-M1 SERIES OR EQUAL FOR RELEASE OF DOOR A101-1.

DESCRIPTION: BID SET	
ISSUE DATES DATE: 03/17/2025	
PROJ # : 21-DCU-03	DRAWN BY : <i>Author</i>
SHEET TITLE:	
FLOOR PLAN - LEVEL 1 - AREA A1 - FIRE ALARM AND SECURITY	
SHEET NUMBER: <div style="font-size: 2em; font-weight: bold; margin-top: 10px;">E3.1</div>	

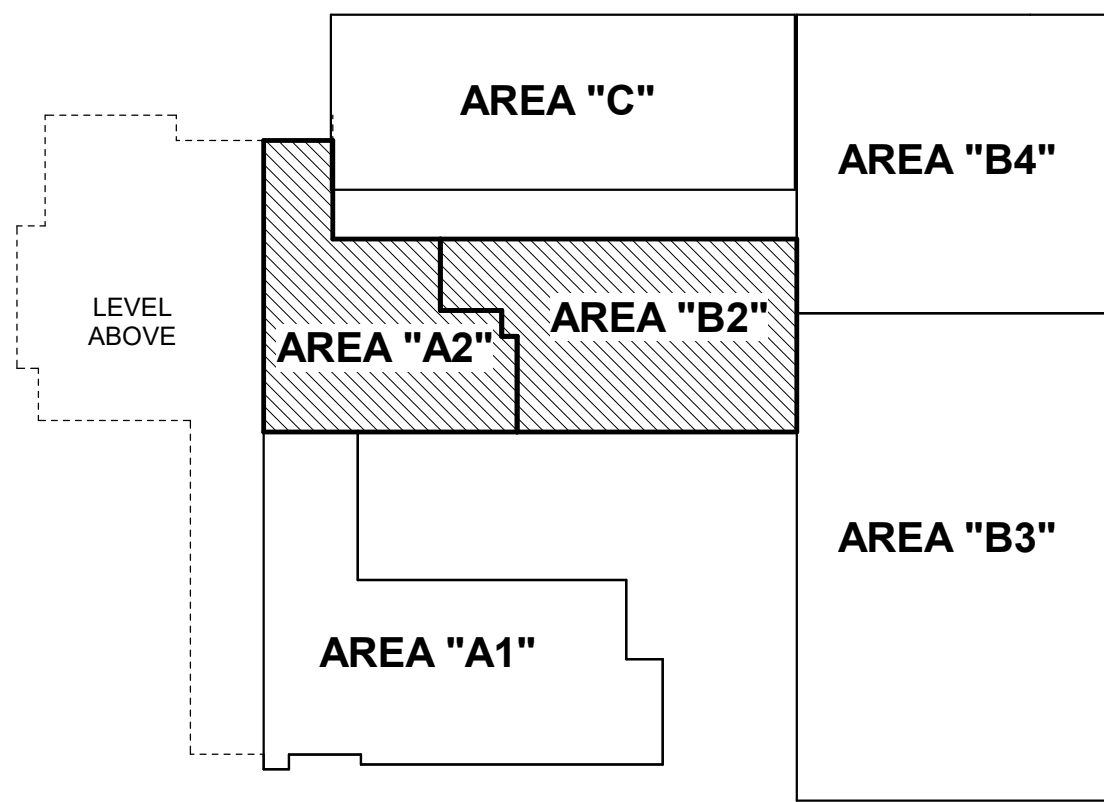
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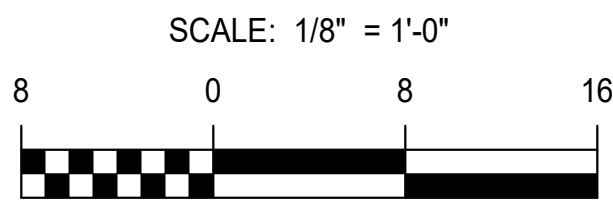
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FLOOR PLAN - LEVEL 1 - AREA A2 AND B2 - FIRE
ALARM AND SECURITY
1/8" = 1'-0"



KEY PLAN LEVEL 1



DRAWING NOTES:

- 1 FIRE ALARM SYSTEM SHALL RELEASE DOOR UPON ACTIVATION OF FIRE ALARM.
- 2 MOUNT TO SUIT DOOR ACCESS POWER SUPPLY.

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	FIRE ALARM AND	
	SECURITY	
SHEET NUMBER:	E3.2	

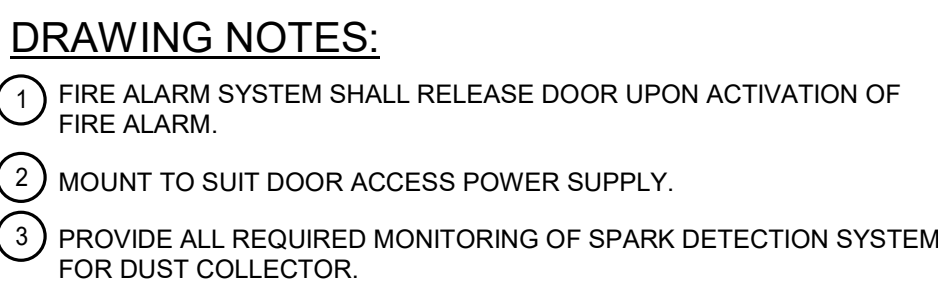
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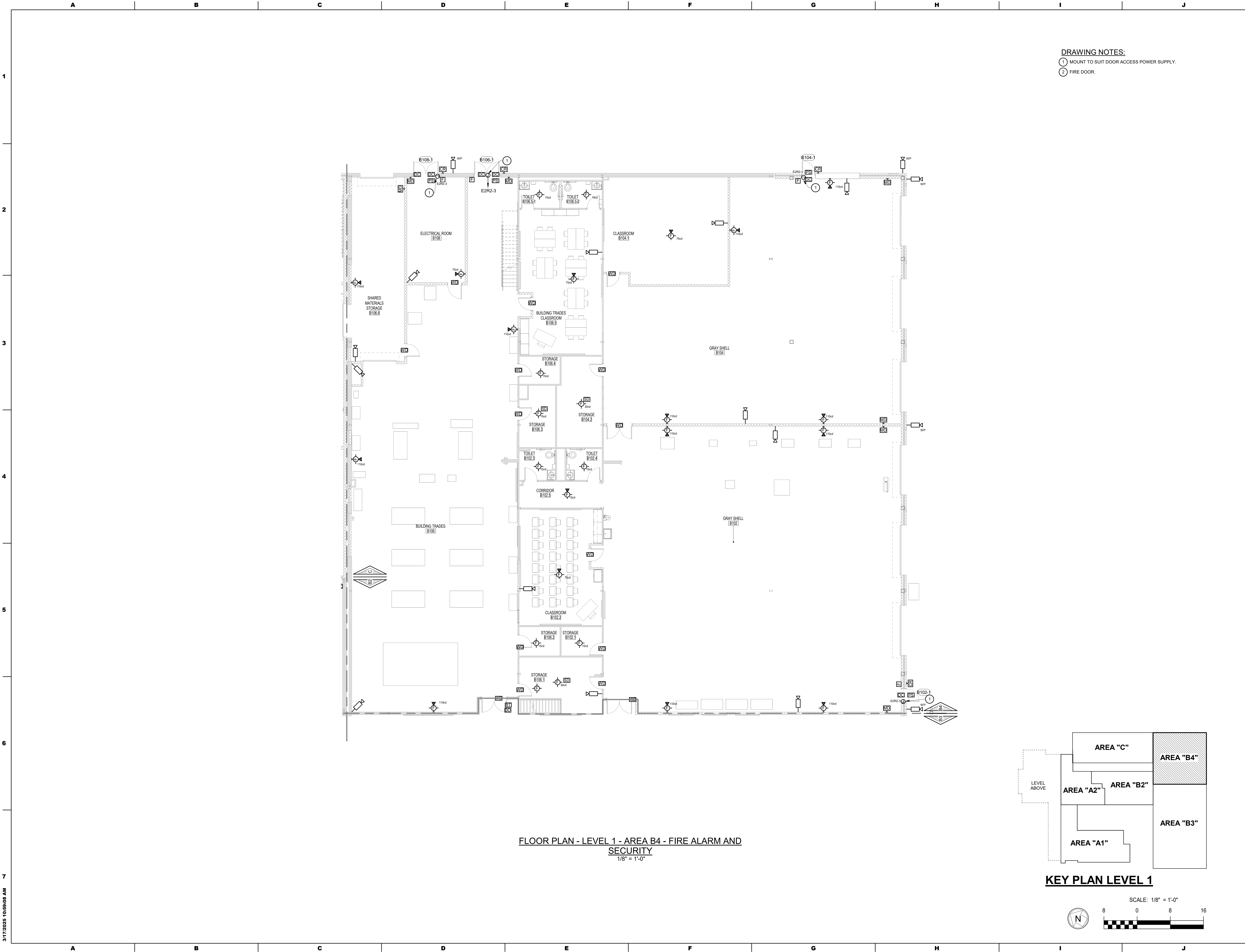
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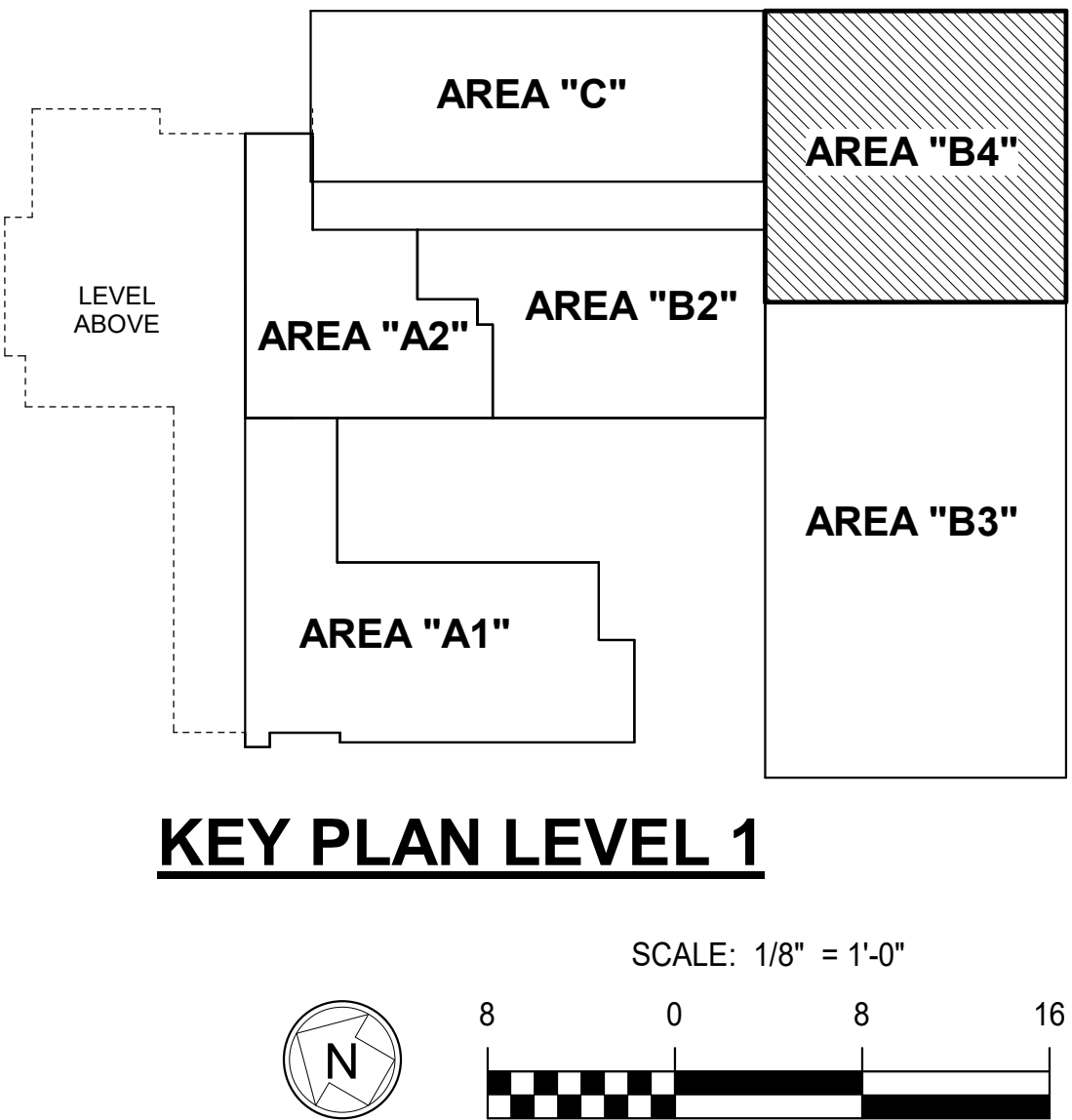


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FLOOR PLAN - LEVEL 1 - AREA B4 - FIRE ALARM AND SECURITY
1/8" = 1'-0"



KEY PLAN LEVEL 1



DRAWING NOTES:
1 MOUNT TO SUIT DOOR ACCESS POWER SUPPLY.
2 FIRE DOOR.

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SHEET NUMBER:	E3.4			

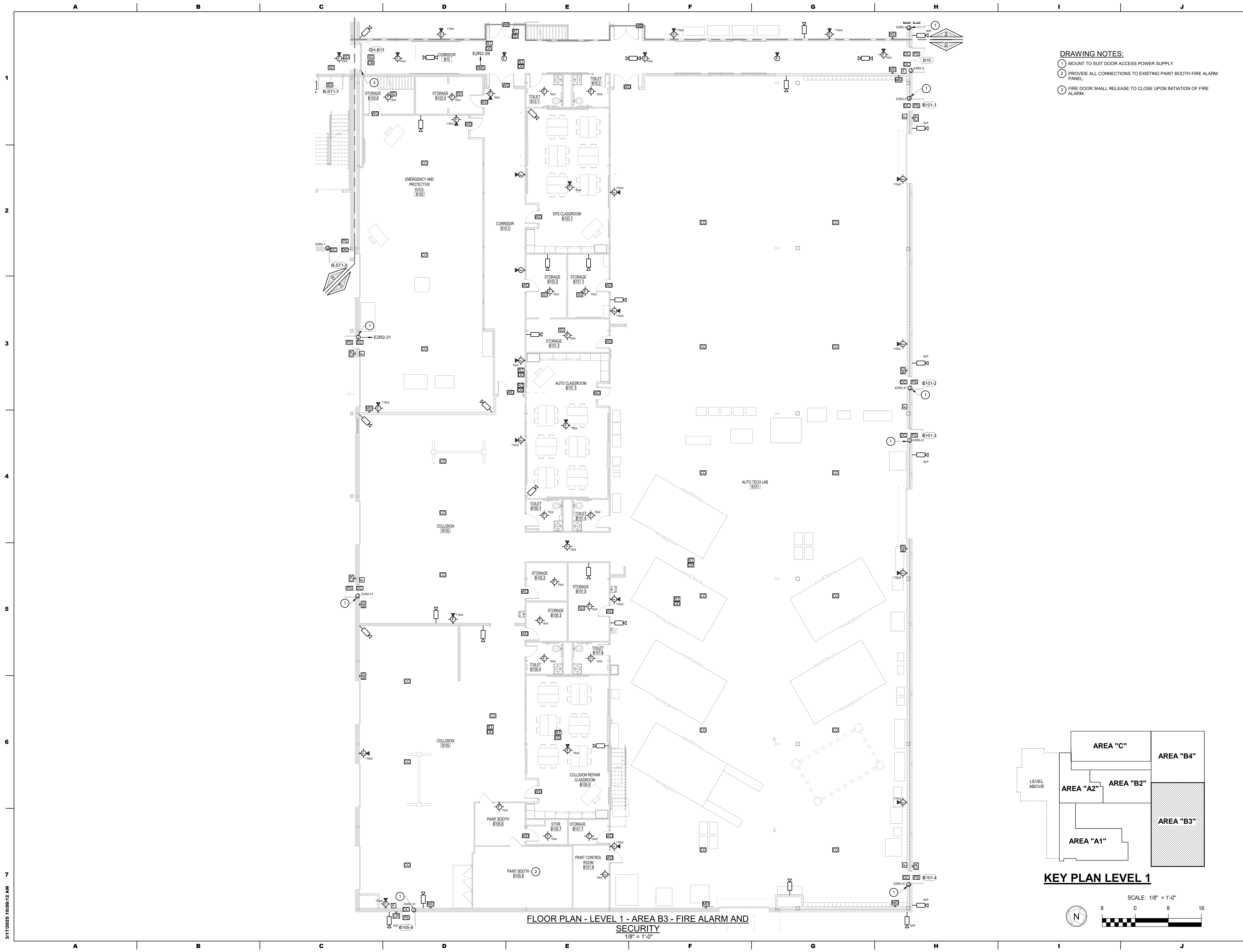
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- DRAWING NOTES:**
- 1 MOUNT TO SUIT DOOR ACCESS POWER SUPPLY.
 - 2 PROVIDE ALL CONNECTIONS TO EXISTING PAINT BOOTH FIRE ALARM PANEL.
 - 3 FIRE DOOR SHALL RELEASE TO CLOSE UPON INITIATION OF FIRE ALARM.

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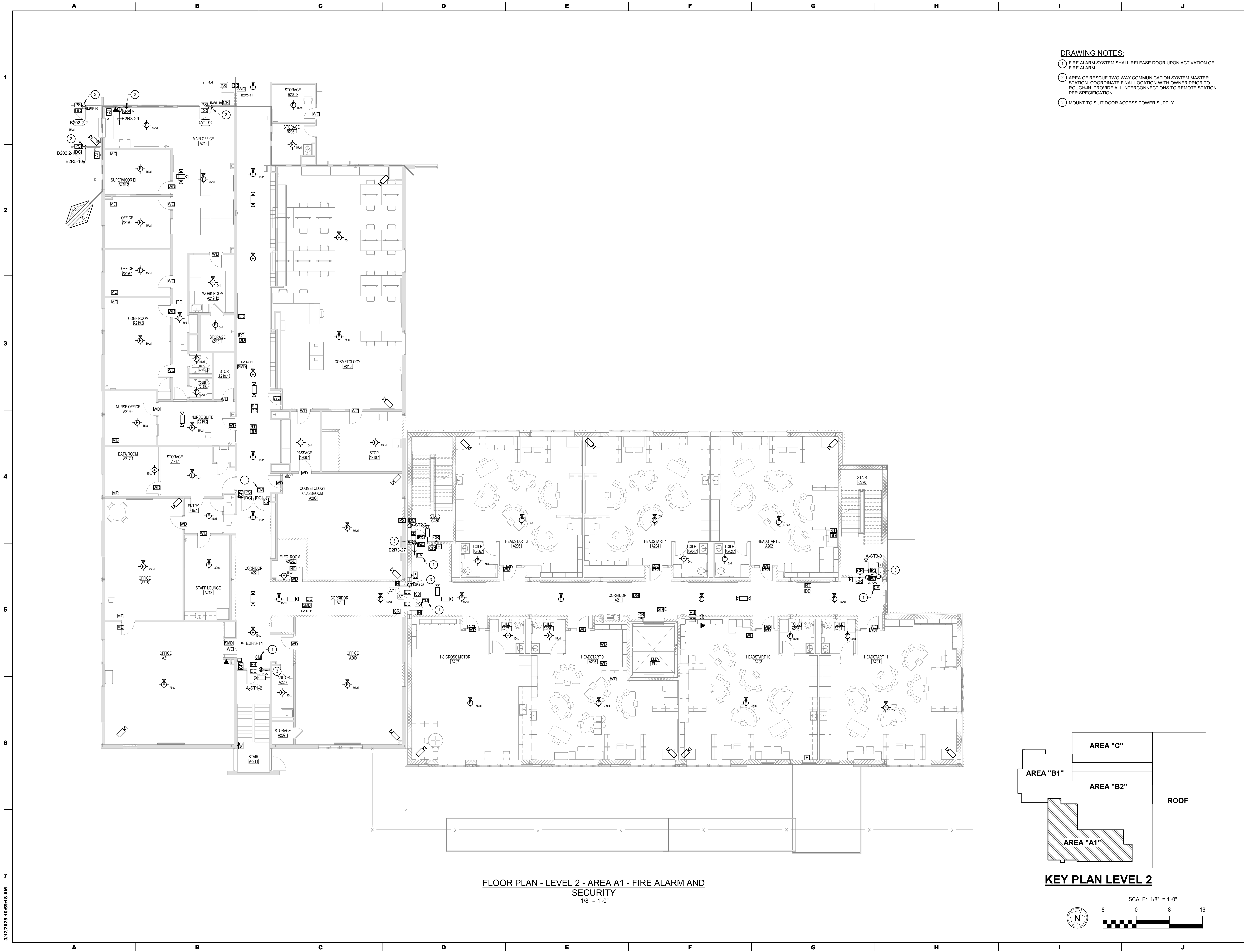
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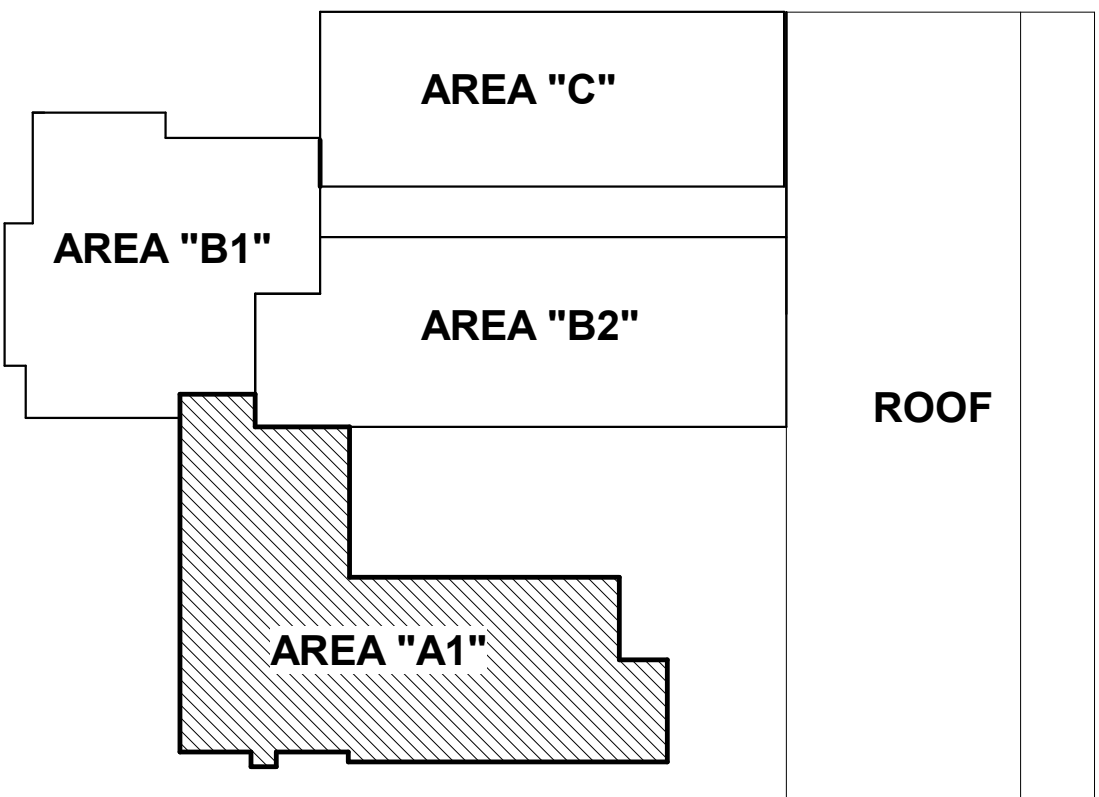
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**FLOOR PLAN - LEVEL 1
- AREA B3 - FIRE
ALARM AND SECURITY**
SHEET NUMBER:
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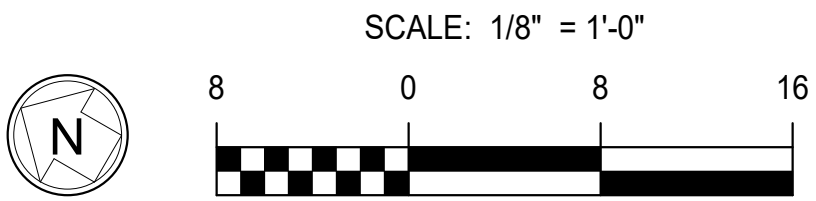


- DRAWING NOTES:**
- 1 FIRE ALARM SYSTEM SHALL RELEASE DOOR UPON ACTIVATION OF FIRE ALARM.
 - 2 AREA OF RESCUE TWO WAY COMMUNICATION SYSTEM MASTER STATION. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE ALL INTERCONNECTIONS TO REMOTE STATION PER SPECIFICATION.
 - 3 MOUNT TO SUIT DOOR ACCESS POWER SUPPLY.

FLOOR PLAN - LEVEL 2 - AREA A1 - FIRE ALARM AND SECURITY
1/8" = 1'-0"



KEY PLAN LEVEL 2



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SHEET NUMBER:	E3.6	

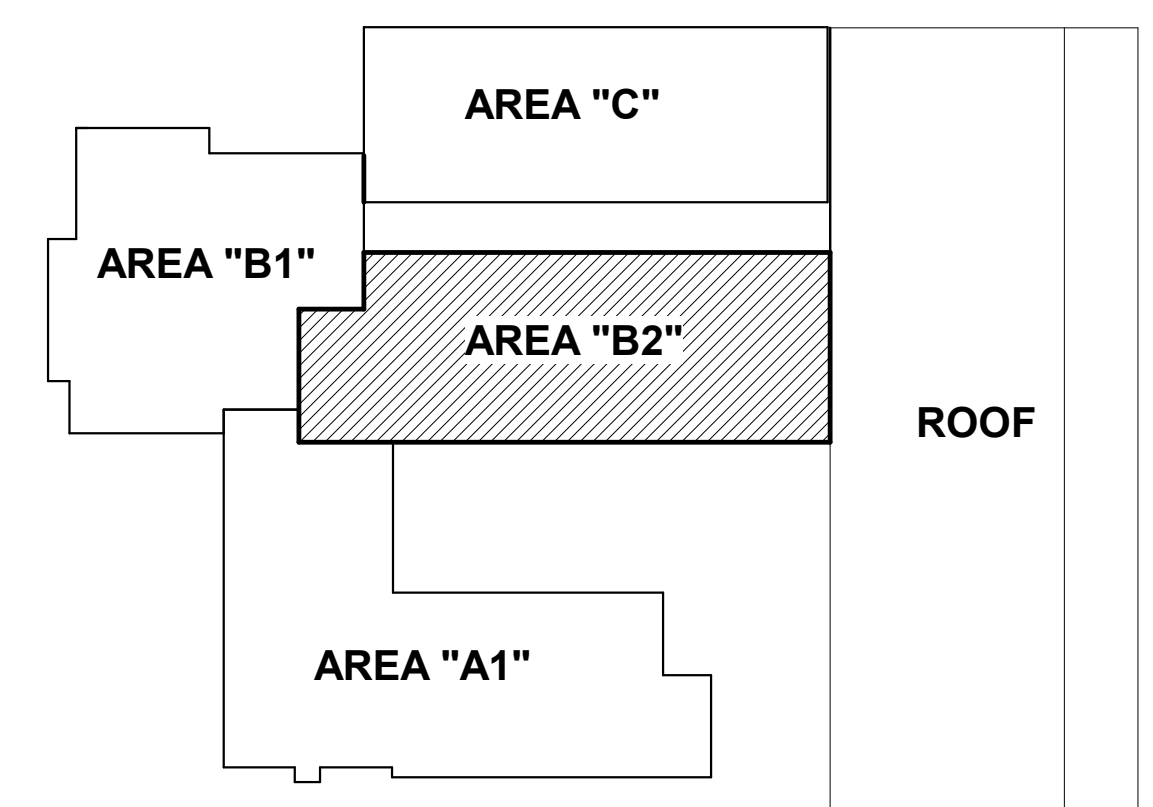
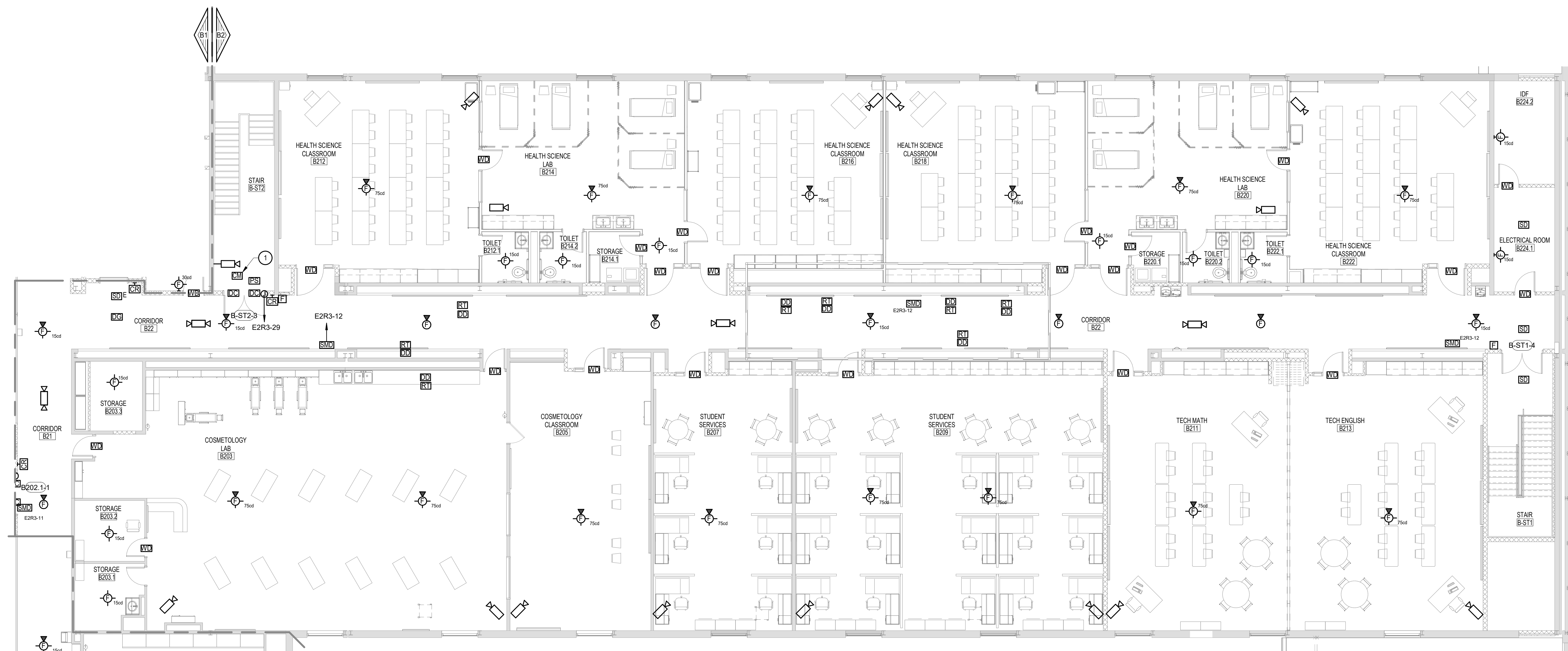
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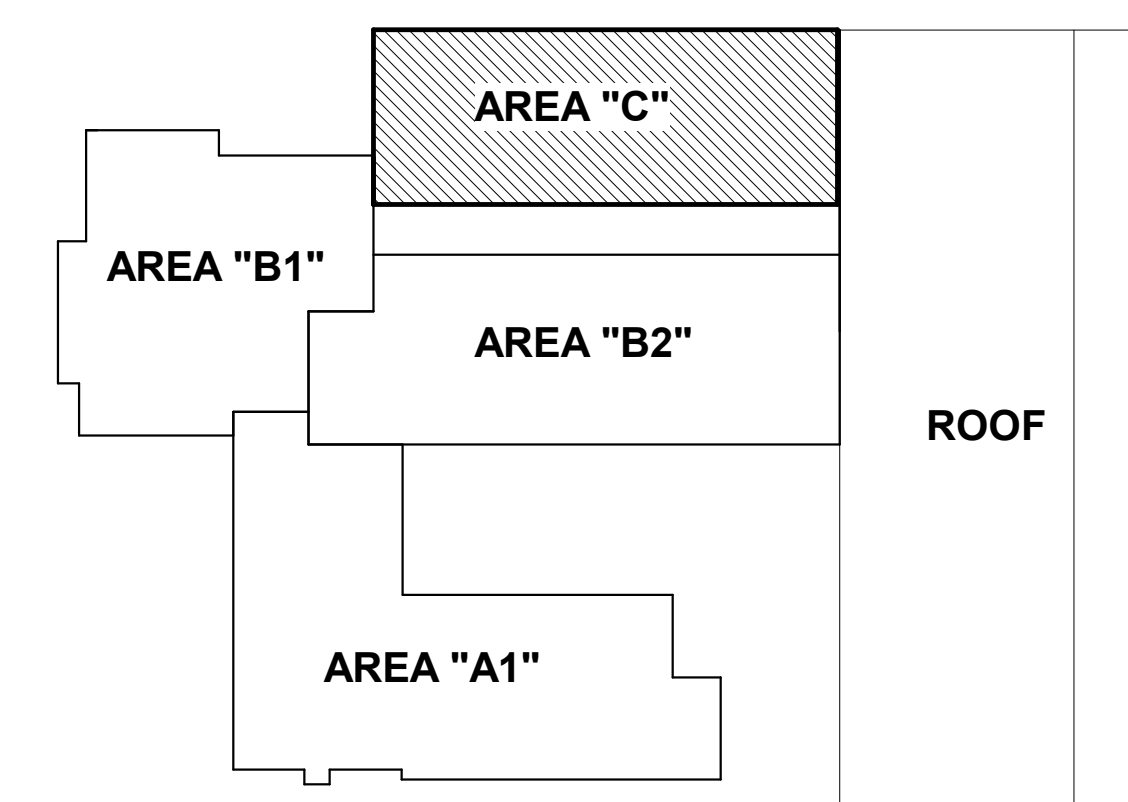
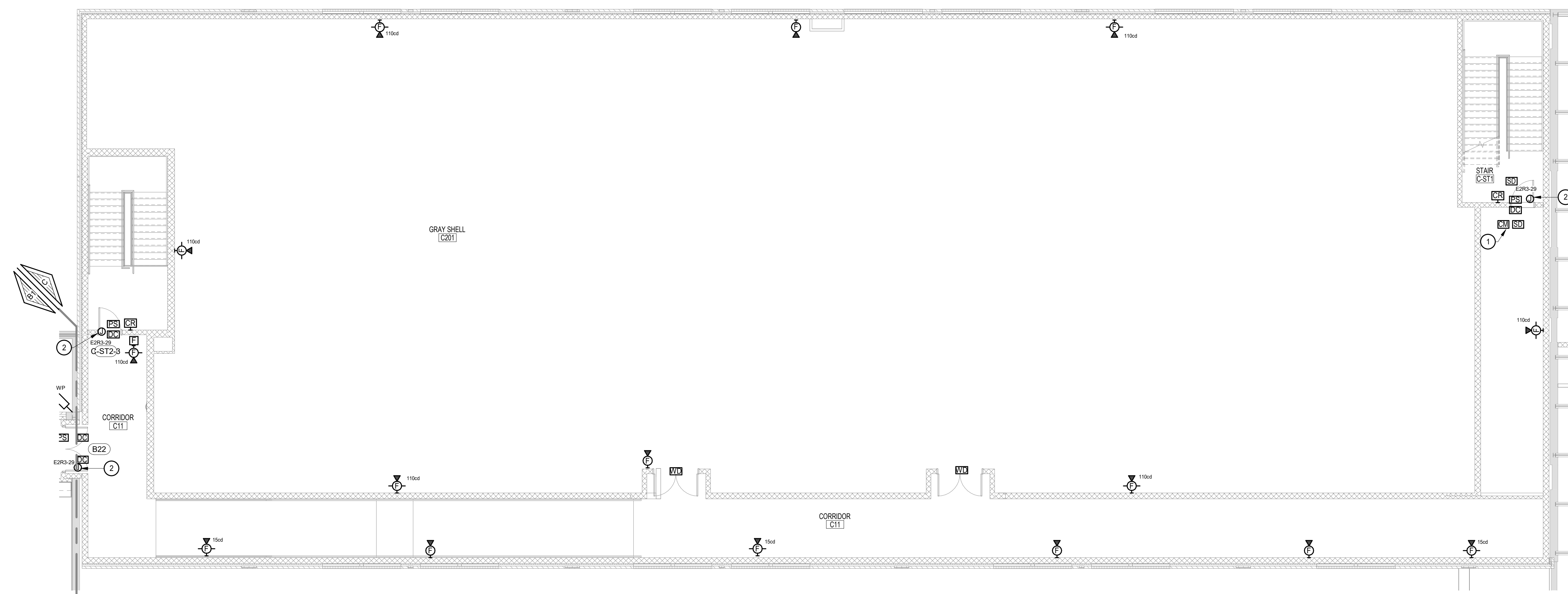
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KEY PLAN LEVEL 2



DRAWING NOTES:

- ① FIRE ALARM SYSTEM SHALL RELEASE DOOR UPON ACTIVATION OF FIRE ALARM.
- ② MOUNT TO SUIT DOOR ACCESS POWER SUPPLY.

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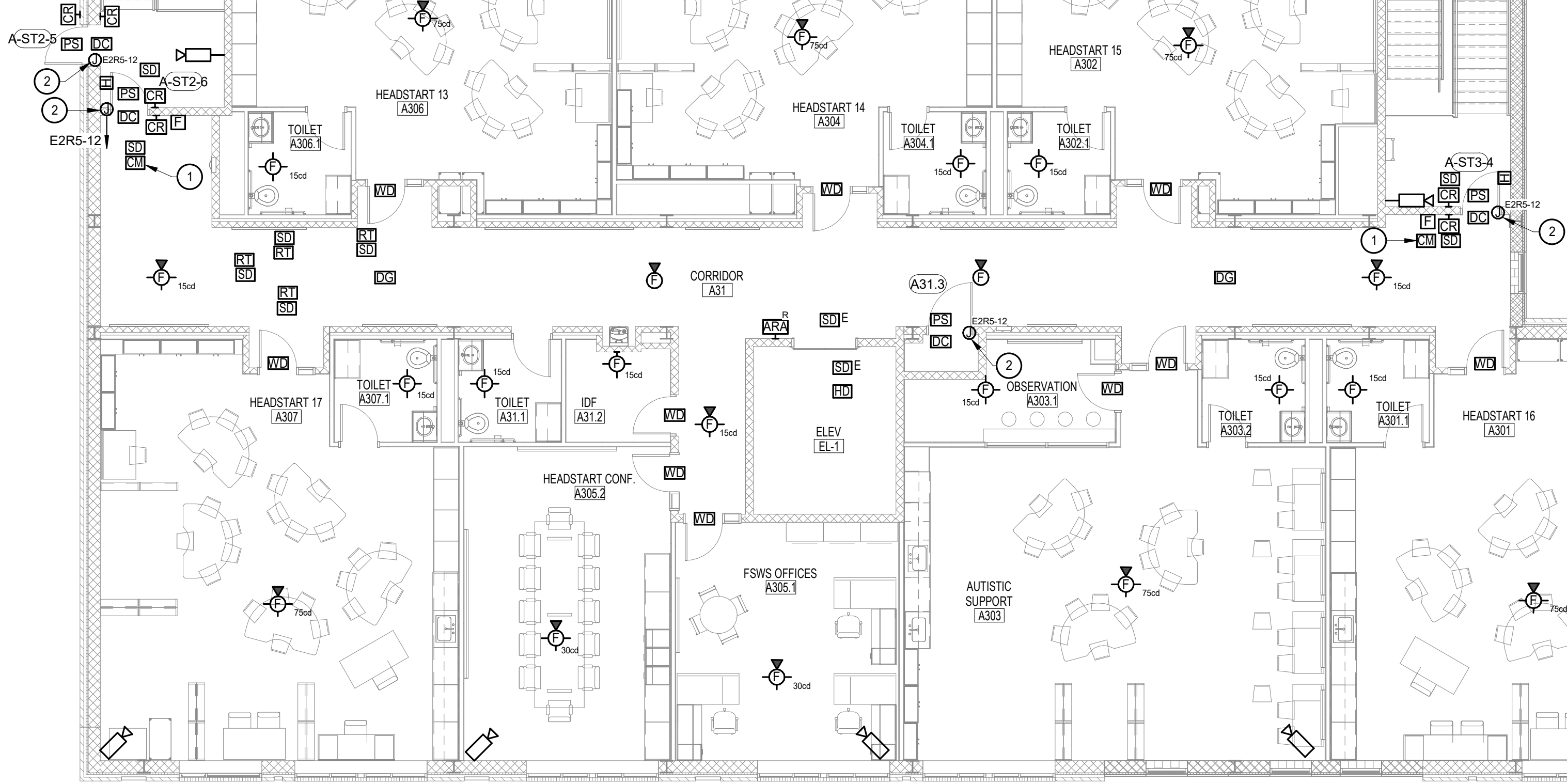
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**FLOOR PLAN - LEVEL 2
- AREA C - FIRE ALARM
AND SECURITY**

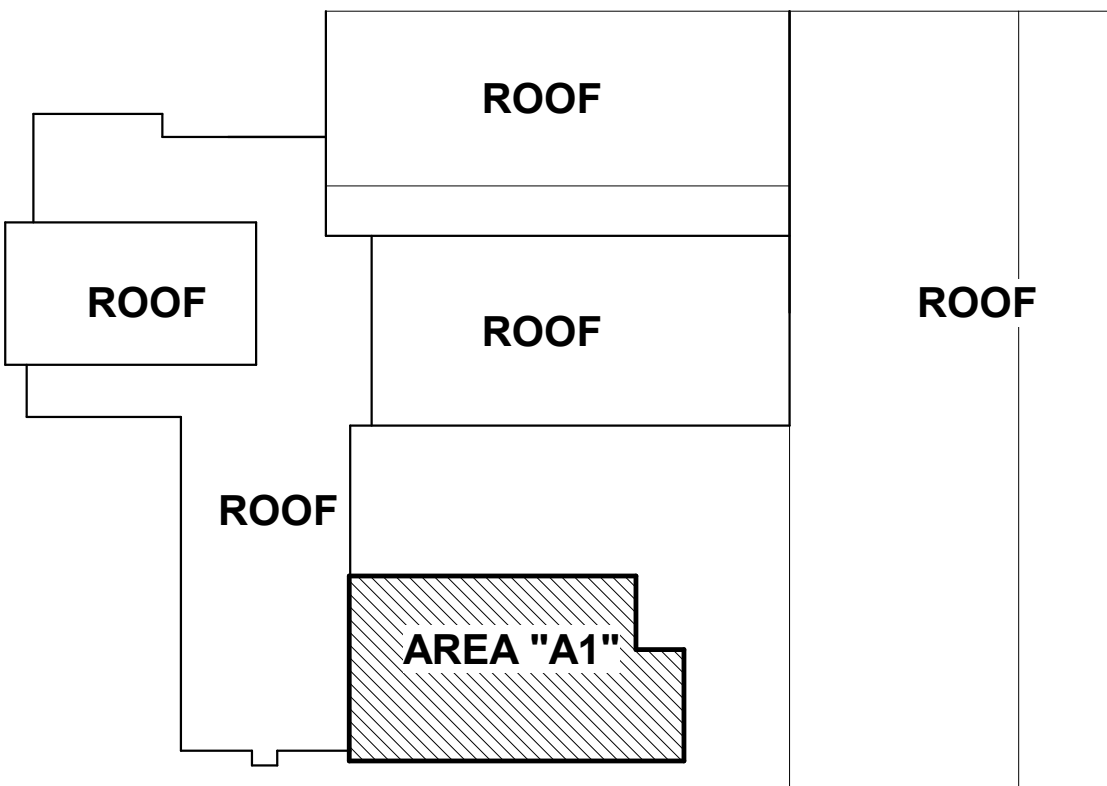
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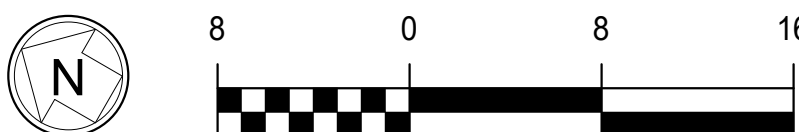
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FLOOR PLAN - LEVEL 3 - AREA A1 - FIRE ALARM AND
SECURITY
1/8" = 1'-0"



KEY PLAN LEVEL 3



DRAWING NOTES

- ① FIRE ALARM SYSTEM SHALL RELEASE DOOR UPON ACTIVATION OF FIRE ALARM.
- ② MOUNT TO SUIT DOOR ACCESS POWER SUPPLY.

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SHEET TITLE:

FLOOR PLAN - LEVEL 3

- AREA A1 - FIRE

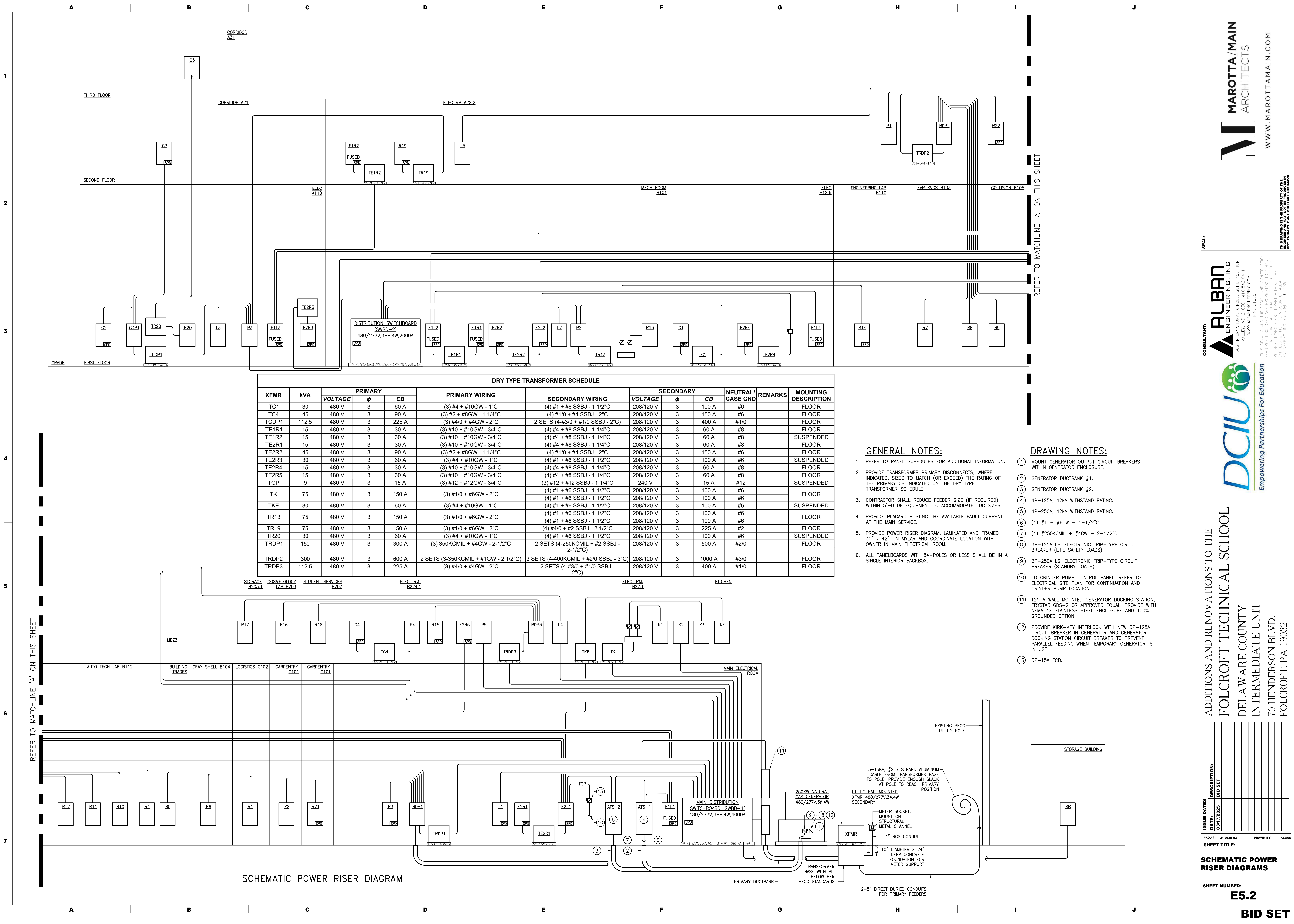
ALARM AND SECURITY

SHEET NUMBER:

E3 11

BID SET

DID GET



DRY TYPE TRANSFORMER SCHEDULE											
XFMR	kVA	PRIMARY			PRIMARY WIRING	SECONDARY WIRING	SECONDARY			REMARKS	MOUNTING DESCRIPTION
		VOLTAGE	Ø	CB			VOLTAGE	Ø	CB		
TC1	30	480 V	3	60 A	(3) #4 + #10GW - 1°C	(4) #1 + #6 SSBJ - 1 1/2°C	208/120 V	3	100 A	#6	FLOOR
TC4	45	480 V	3	90 A	(3) #2 + #8GW - 1 1/4°C	(4) #1/0 + #4 SSBJ - 2°C	208/120 V	3	150 A	#6	FLOOR
TCDP1	112.5	480 V	3	225 A	(3) #4/0 + #4GW - 2°C	2 SETS (4-#3/0 + #1/0 SSBJ - 2°C)	208/120 V	3	400 A	#1/0	FLOOR
TE1R1	15	480 V	3	30 A	(3) #10 + #10GW - 3/4°C	(4) #4 + #8 SSBJ - 1 1/4°C	208/120 V	3	60 A	#8	FLOOR
TE1R2	15	480 V	3	30 A	(3) #10 + #10GW - 3/4°C	(4) #4 + #8 SSBJ - 1 1/4°C	208/120 V	3	60 A	#8	SUSPENDED
TE2R1	15	480 V	3	30 A	(3) #10 + #10GW - 3/4°C	(4) #4 + #8 SSBJ - 1 1/4°C	208/120 V	3	60 A	#8	FLOOR
TE2R2	45	480 V	3	90 A	(3) #2 + #8GW - 1 1/4°C	(4) #1/0 + #4 SSBJ - 2°C	208/120 V	3	150 A	#6	FLOOR
TE2R3	30	480 V	3	60 A	(3) #4 + #10GW - 1°C	(4) #1 + #6 SSBJ - 1 1/2°C	208/120 V	3	100 A	#6	SUSPENDED
TE2R4	15	480 V	3	30 A	(3) #10 + #10GW - 3/4°C	(4) #4 + #8 SSBJ - 1 1/4°C	208/120 V	3	60 A	#8	FLOOR
TE2R5	15	480 V	3	30 A	(3) #10 + #10GW - 3/4°C	(4) #4 + #8 SSBJ - 1 1/4°C	208/120 V	3	60 A	#8	FLOOR
TGP	9	480 V	3	15 A	(3) #12 + #12GW - 3/4°C	(3) #12 + #12 SSBJ - 1 1/4°C	240 V	3	15 A	#12	SUSPENDED
TK	75	480 V	3	150 A	(3) #1/0 + #6GW - 2°C	(4) #1 + #6 SSBJ - 1 1/2°C	208/120 V	3	100 A	#6	FLOOR
TKE	30	480 V	3	60 A	(3) #4 + #10GW - 1°C	(4) #1 + #6 SSBJ - 1 1/2°C	208/120 V	3	100 A	#6	SUSPENDED
TR13	75	480 V	3	150 A	(3) #1/0 + #6GW - 2°C	(4) #1 + #6 SSBJ - 1 1/2°C	208/120 V	3	100 A	#6	FLOOR
TR19	75	480 V	3	150 A	(3) #1/0 + #6GW - 2°C	(4) #4/0 + #2 SSBJ - 2 1/2°C	208/120 V	3	225 A	#2	FLOOR
TR20	30	480 V	3	60 A	(3) #4 + #10GW - 1°C	(4) #1 + #6 SSBJ - 1 1/2°C	208/120 V	3	100 A	#6	SUSPENDED
TRDP1	150	480 V	3	300 A	(3) 350KCMIL + #4GW - 2-1/2°C	2 SETS (4-250KCMIL + #2 SSBJ - 2-1/2°C)	208/120 V	3	500 A	#2/0	FLOOR
TRDP2	300	480 V	3	600 A	2 SETS (3-350KCMIL + #1GW - 2 1/2°C)	3 SETS (4-400KCMIL + #2/0 SSBJ - 3°C)	208/120 V	3	1000 A	#3/0	FLOOR
TRDP3	112.5	480 V	3	225 A	(3) #4/0 + #4GW - 2°C	2 SETS (4-#3/0 + #1/0 SSBJ - 2°C)	208/120 V	3	400 A	#1/0	FLOOR

GENERAL NOTES:

- REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
- PROVIDE TRANSFORMER PRIMARY DISCONNECTS, WHERE INDICATED, SIZED TO MATCH (OR EXCEED) THE RATING OF THE PRIMARY CB INDICATED ON THE DRY TYPE TRANSFORMER SCHEDULE.
- CONTRACTOR SHALL REDUCE FEEDER SIZE (IF REQUIRED) WITHIN 5'-0" OF EQUIPMENT TO ACCOMMODATE LUG SIZES.
- PROVIDE PLACARD POSTING THE AVAILABLE FAULT CURRENT AT THE MAIN SERVICE.
- PROVIDE POWER RISER DIAGRAM, LAMINATED AND FRAMED 30" x 42" ON MYLAR AND COORDINATE LOCATION WITH OWNER IN MAIN ELECTRICAL ROOM.
- ALL PANELBOARDS WITH 84-POLES OR LESS SHALL BE IN A SINGLE INTERIOR BACKBOX.

DRAWING NOTES:

- MOUNT GENERATOR OUTPUT CIRCUIT BREAKERS WITHIN GENERATOR ENCLOSURE.
- GENERATOR DUCTBANK #1.
- GENERATOR DUCTBANK #2.
- 4P-125A, 42KA WITHSTAND RATING.
- 4P-250A, 42KA WITHSTAND RATING.
- (4) #1 + #6GW - 1-1/2°C.
- (4) #250KCMIL + #4GW - 2-1/2°C.
- 3P-125A LSI ELECTRONIC TRIP-TYPE CIRCUIT BREAKER (LIFE SAFETY LOADS).
- 3P-250A LSI ELECTRONIC TRIP-TYPE CIRCUIT BREAKER (STANDBY LOADS).
- TO GRINDER PUMP CONTROL PANEL, REFER TO ELECTRICAL SITE PLAN FOR CONTINUATION AND GRINDER PUMP LOCATION.
- 125 A WALL MOUNTED GENERATOR DOCKING STATION, TRYSTAR GDS-2 OR APPROVED EQUAL, PROVIDE WITH NEMA 4X STAINLESS STEEL ENCLOSURE AND 100% GROUNDED OPTION.
- PROVIDE KIRK-KEY INTERLOCK WITH NEW 3P-125A CIRCUIT BREAKER IN GENERATOR AND GENERATOR DOCKING STATION CIRCUIT BREAKER TO PREVENT PARALLEL FEEDING WHEN TEMPORARY GENERATOR IS IN USE.
- 3P-15A ECB.

SCHEMATIC POWER RISER DIAGRAM

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ADDITIONS AND RENOVATIONS TO THE
FOLCROFT TECHNICAL SCHOOL
DELAWARE COUNTY
INTERMEDIATE UNIT
70 HENDERSON BLVD.
FOLCROFT, PA 19032

ISSUE DATES

DATE: 03/17/2025

DESCRIPTION: BID SET

PROJ #1: 24-0004-03

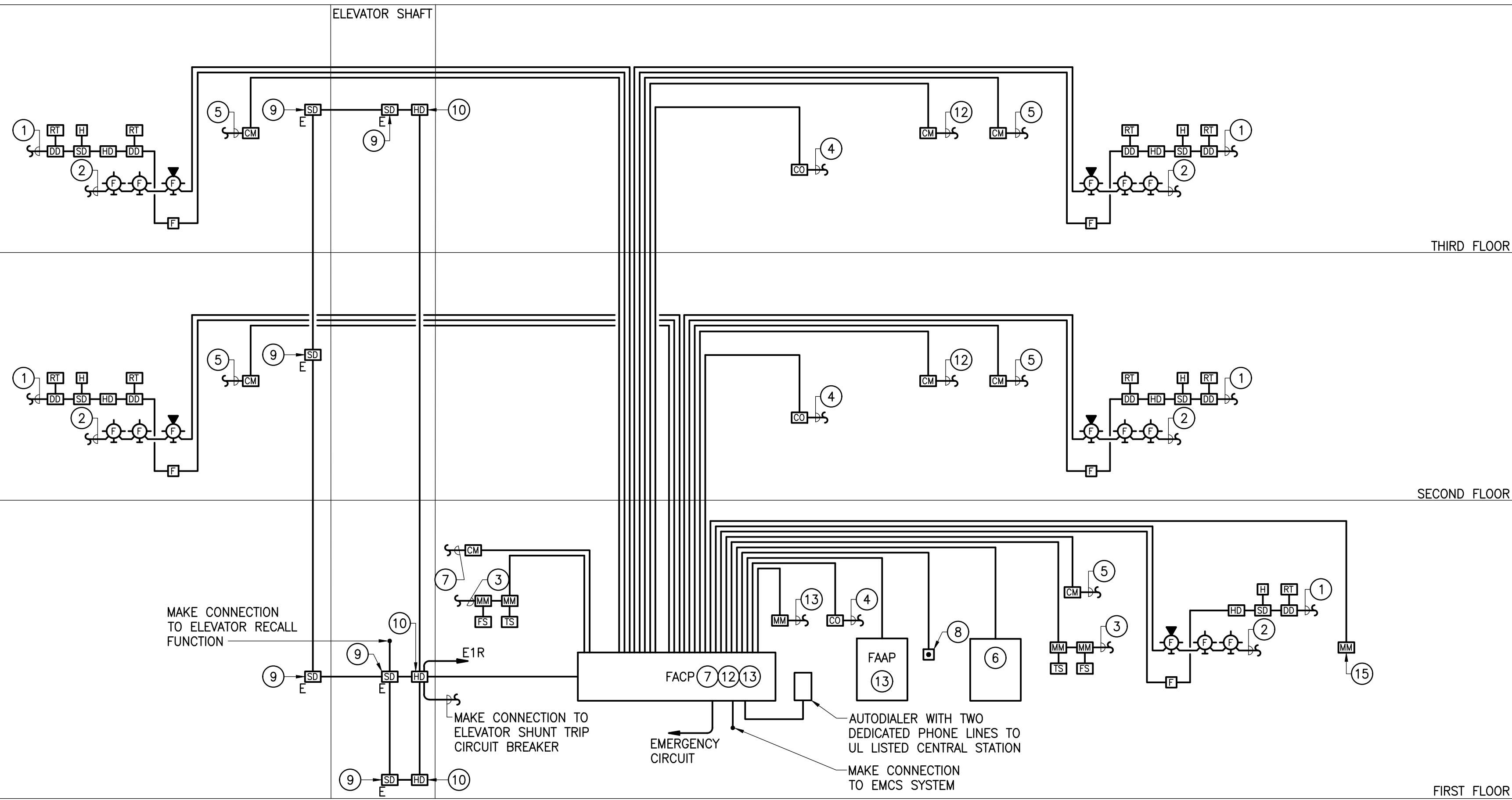
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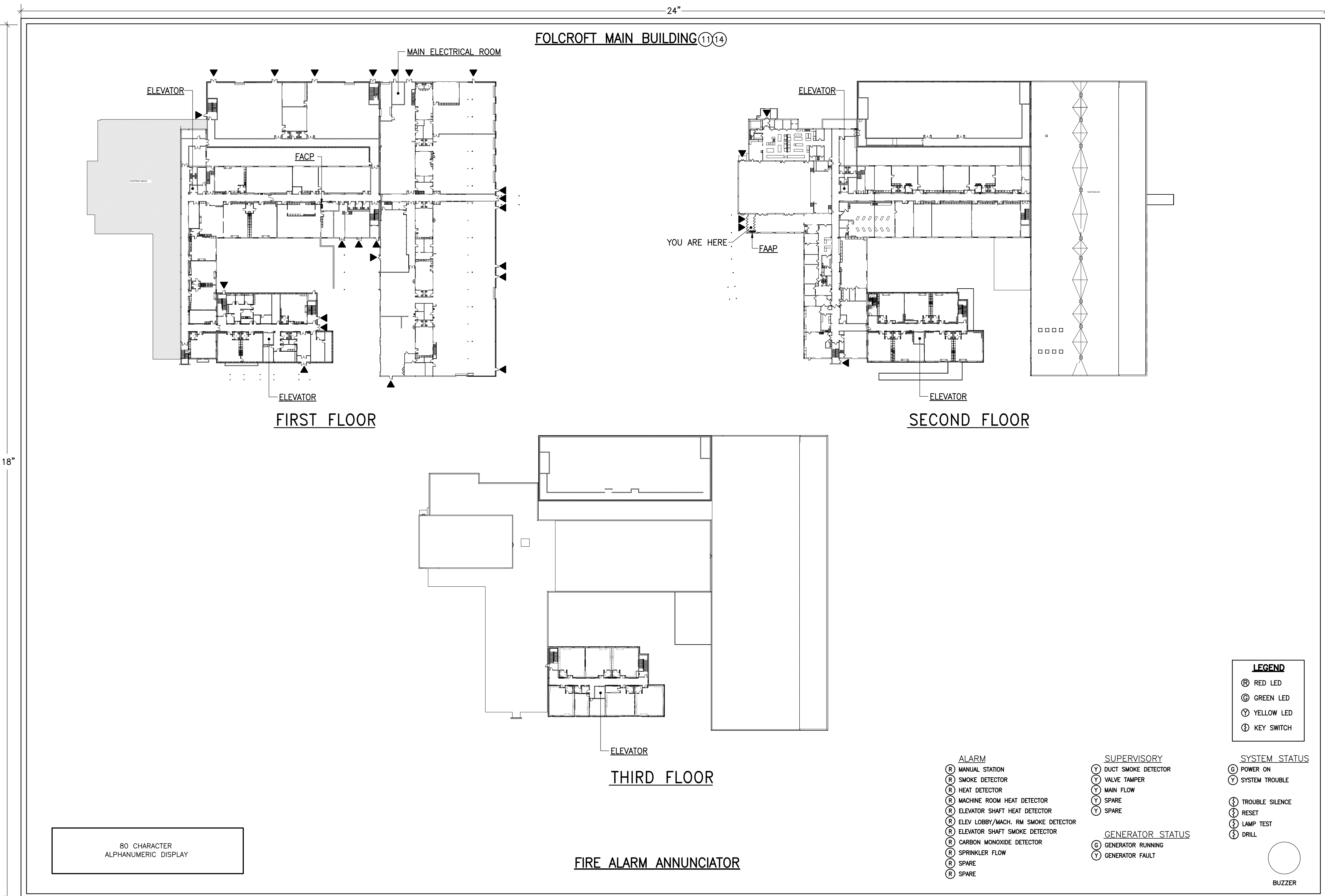
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SCHMATIC FIRE ALARM RISER DIAGRAM



FIRE ALARM GRAPHIC ANNUNCIATOR PANEL DETAIL

GENERAL NOTES:

1. REFER TO FLOOR PLANS FOR EXACT QUANTITY AND LOCATION OF DEVICES.
2. PROVIDE ALL WIRING IN CONDUIT, SIZED AS RECOMMENDED BY SYSTEM MANUFACTURER. MINIMUM CONDUIT SIZE SHALL BE 3/4".

DRAWING NOTES:

- 1 TO ADDITIONAL ALARM INITIATING DEVICES IN THIS ZONE.
- 2 TO ADDITIONAL NOTIFICATION DEVICES IN THIS ZONE.
- 3 TO ADDITIONAL SPRINKLER SYSTEM DEVICES IN THIS ZONE.
- 4 TO OTHER CARBON MONOXIDE DETECTORS IN THIS AREA.
- 5 TO ADDITIONAL CONTROL MODULES (INCLUDING DOOR RELEASE) IN THIS ZONE.
- 6 PROVIDE REMOTE GENERATOR ANNUNCIATOR PANEL COORDINATE LOCATION WITH OWNER. PANEL SHALL PROVIDE ALL CODE REQUIRED STATUS MONITORING, ALARMS FROM GENERATOR TO FIRE ALARM SYSTEM. INCLUDE GENERATOR TROUBLE, GENERATOR RUNNING, SUPERVISORY ALARMS AND GENERATOR IN AUTOMATIC MODE.
- 7 PROVIDE INTERFACE WITH LOCAL CAFETERIA SOUND SYSTEMS TO CUT OFF PUBLIC ADDRESS UPON ALARM. PUBLIC ADDRESS SYSTEM SHALL REACTIVATE UPON SYSTEM RESET.
- 8 PROVIDE INTERFACE TO PANIC BUTTON(S) LOCATED IN RECEPTION.
- 9 PROVIDE TWO (2) SETS OF RELAYS IN EACH ELEVATOR RECALL SMOKE DETECTOR (BOTH IN SHAFT AND LOBBY). COORDINATE EMERGENCY RECALL/CONTROL SEQUENCE WITH THE ELEVATOR INSPECTOR AND STATE FIRE MARSHAL AND PROVIDE ALL RELAYS, CONDUIT, WIRING AND APPURTENANCES AS REQUIRED.
- 10 PROVIDE TWO (2) SETS OF RELAYS IN EACH ELEVATOR HEAT DETECTOR FOR OPERATION OF ELEVATOR SHUNT TRIP CIRCUIT BREAKER (IN ACCORDANCE WITH THE NFPA). PROVIDE RELAYS, CONDUIT, WIRING AND ALL APPURTENANCES FOR ELEVATOR CONTROLS AS RECOMMENDED BY FIRE ALARM SYSTEM AND ELEVATOR MANUFACTURERS.
- 11 VERIFY SCHOOL ADDRESS WITH OWNER PRIOR TO FINAL PRINTING OF GRAPHIC.
- 12 PROVIDE CONTROL MODULE WITH CONTACT CLOSURE TO INTERFACE WITH BUILDING B.L.C. UPON FIRE ALARM, EMERGENCY LIGHTS SHALL BE 100% OUTPUT.
- 13 PROVIDE ALL REQUIRED FIRE ALARM CONNECTIONS TO FIRST RESPONDER EMERGENCY RADIO REPEATER SYSTEM. CONTRACTOR SHALL PROVIDE FIVE (5) FIRE ALARM MONITORING MODULES AND INCORPORATE ALARM POINTS INTO FIRE ALARM ANNUNCIATOR AND ALL ASSOCIATED WIRING, CONDUIT, PROGRAMMING, AND TESTING. CONTRACTOR SHALL PROVIDE ALL REQUIRED CONDUIT, BOX, SUPPORTS, GROUNDING AND BONDING, ELECTRICAL POWER, ETC. FOR A COMPLETE INSTALLATION.
- 14 COORDINATE WITH FIRE PROTECTION CONTRACTOR AND INDICATE SPRINKLER ZONES ON FAAP WITH RED LED INDICATOR LIGHT AT EACH ZONE.
- 15 PROVIDE ALL REQUIRED CONNECTIONS TO THE EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM.

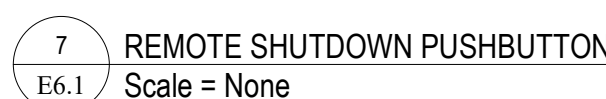
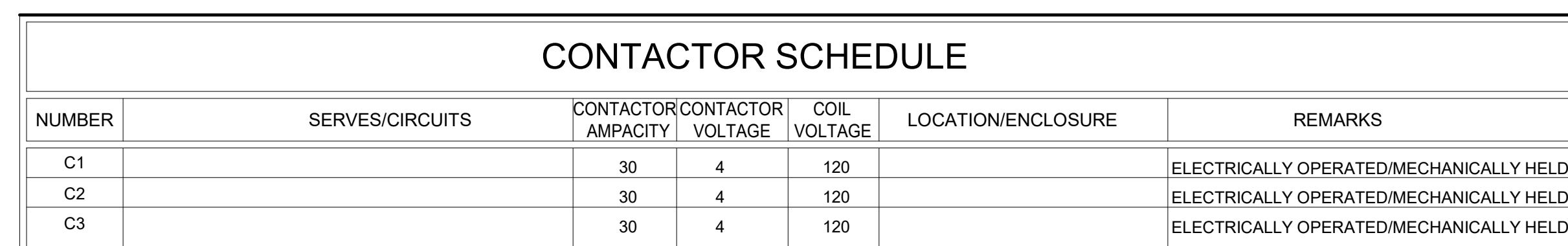
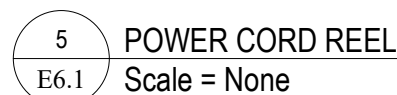
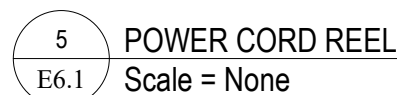
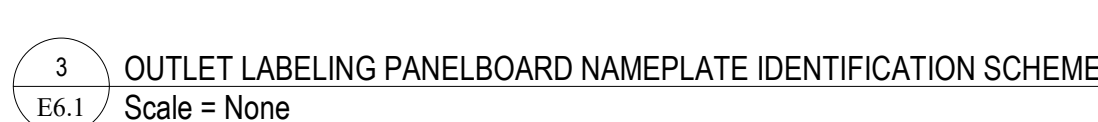
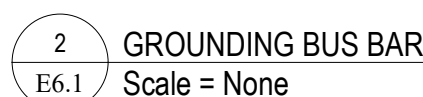
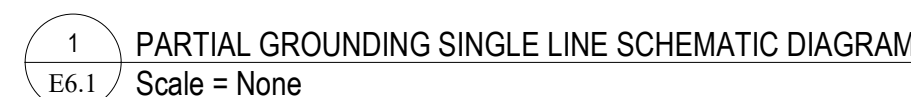


DATA SYSTEM ZONE DIAGRAM – SECOND FLOOR
SCALE: NO SCALE

DATA SYSTEM ZONE DIAGRAM – THIRD FLOOR
SCALE: NO SCALE

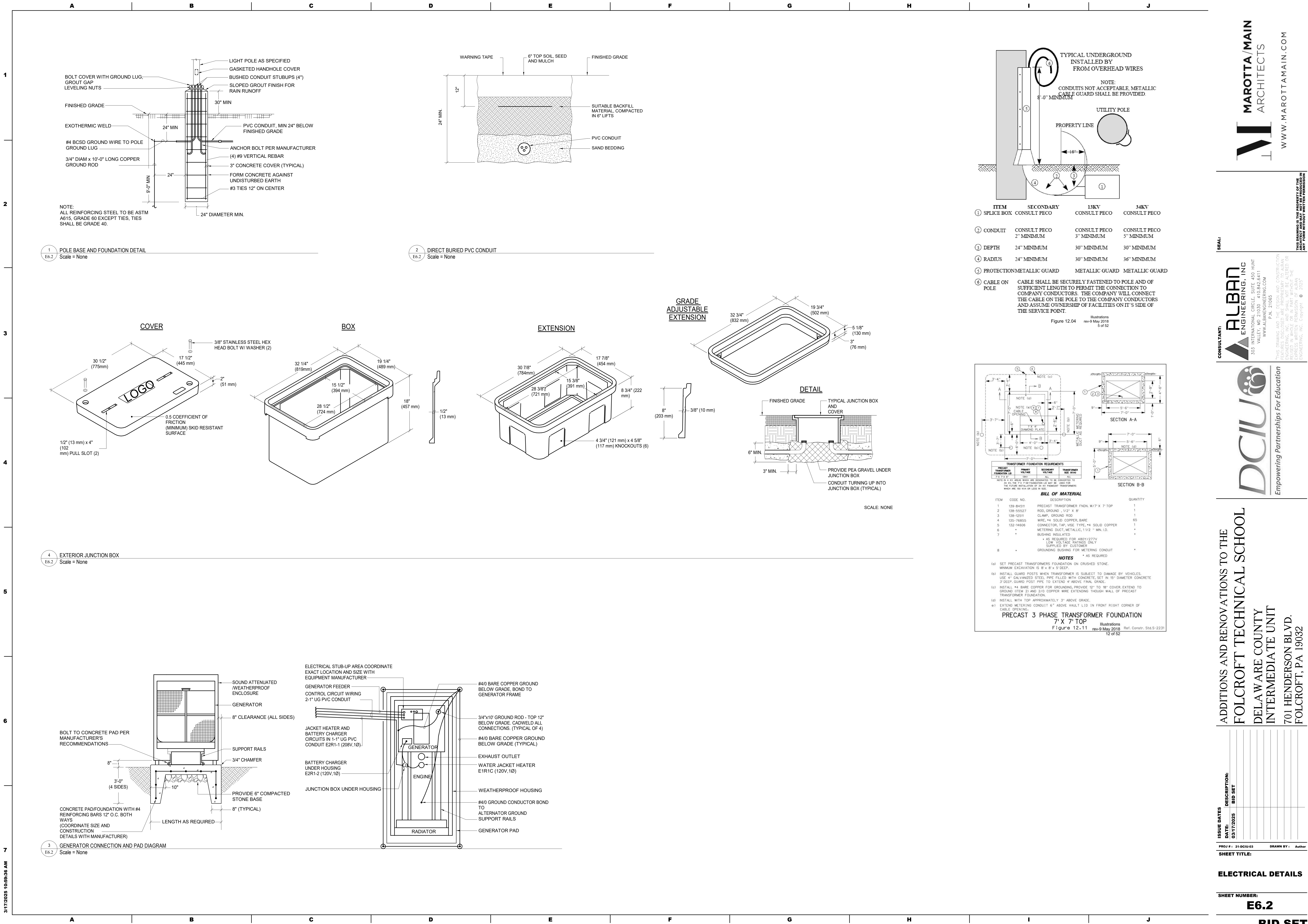
DATA SYSTEM ZONE DIAGRAM – FIRST FLOOR
SCALE: NO SCALE

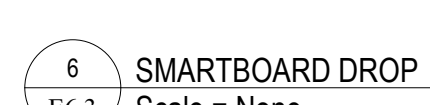
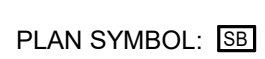
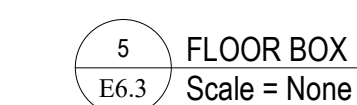
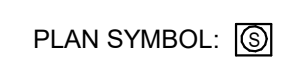
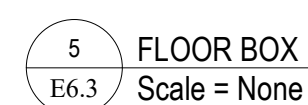
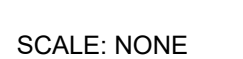
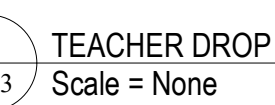
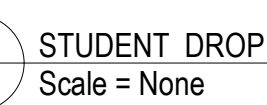
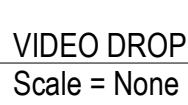
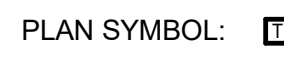
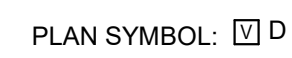
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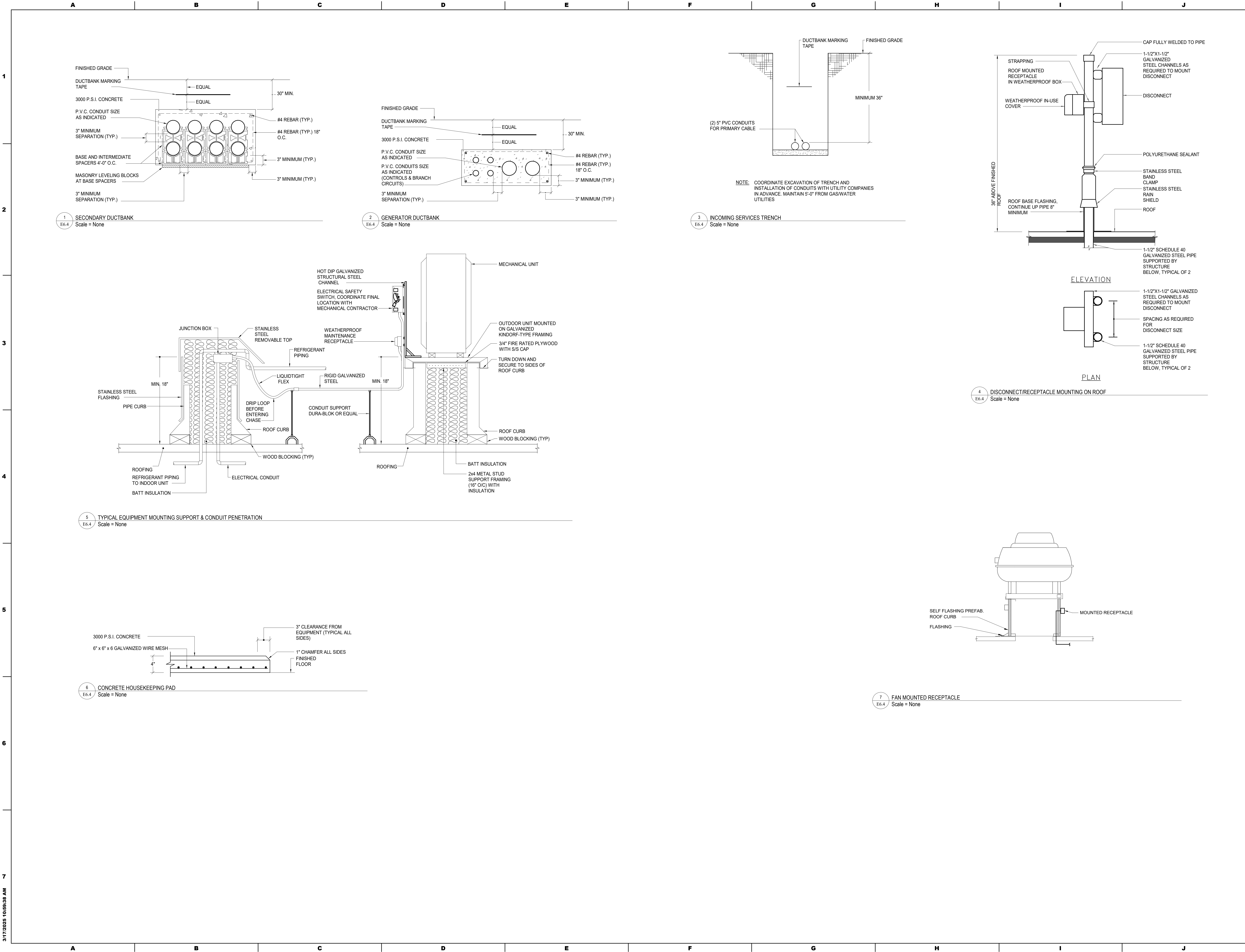


CONTACTOR SCHEDULE						
NUMBER	SERVES/CIRCUITS	CONTACTOR AMPACITY	CONTACTOR VOLTAGE	COIL VOLTAGE	LOCATION/ENCLOSURE	REMARKS
C1		30	4	120		ELECTRICALLY OPERATED/MECHANICALLY HELD
C2		30	4	120		ELECTRICALLY OPERATED/MECHANICALLY HELD
C3		30	4	120		ELECTRICALLY OPERATED/MECHANICALLY HELD

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3/17/2025 10:59:35 AM

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ISSUE DATES

DATE: 03/17/2025

DESCRIPTION:

BID SET

PROJ # : 21-DCIU-03

DRAWN BY : Author

SHEET TITLE:

ELECTRICAL DETAILS

SHEET NUMBER:

E6.4

BID SET

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DCIU

Empowering Partnerships For Education

ADDITIONS AND RENOVATIONS TO THE FOLCROFT TECHNICAL SCHOOL

DELAWARE COUNTY INTERMEDIATE UNIT

701 HENDERSON BLVD.

FOLCROFT, PA 19032

3/17/2025 10:59:45 AM

A		B				
MECHANICAL EQUIPMENT CONNECTION SCHEDULE (FCUs)						
EQUIPMENT DESIG.	ELECTRICAL CHARACTERISTICS			CIRCUIT DESIG.	MECS NOTES	
	VOLTAGE	φ	AMPS			kVA
FCU-1.01	277 V	1	3.4 A	0.9 kVA	P3-17	1,5
FCU-1.02	277 V	1	2.6 A	0.7 kVA	P3-24	1
FCU-1.03	277 V	1	3.4 A	0.9 kVA	P3-24	1
FCU-1.04	277 V	1	3.4 A	0.9 kVA	P3-24	1
FCU-1.05	277 V	1	3.4 A	0.9 kVA	P3-15	1
FCU-1.06	277 V	1	0.7 A	0.2 kVA	P3-15	1
FCU-1.07	277 V	1	3.4 A	0.9 kVA	P3-15	1
FCU-1.08	277 V	1	0.6 A	0.2 kVA	P3-20	1
FCU-1.09	277 V	1	0.4 A	0.1 kVA	P3-20	1
FCU-1.10	277 V	1	0.4 A	0.1 kVA	P3-13	1
FCU-1.11	277 V	1	0.6 A	0.2 kVA	P3-13	1
FCU-1.12	277 V	1	0.4 A	0.1 kVA	P3-13	1
FCU-1.13	277 V	1	0.4 A	0.1 kVA	P3-13	1
FCU-1.14	277 V	1	0.4 A	0.1 kVA	P3-13	1
FCU-1.15	277 V	1	0.4 A	0.1 kVA	P3-13	1
FCU-1.16	277 V	1	0.6 A	0.2 kVA	P3-17	1
FCU-1.17	277 V	1	0.6 A	0.2 kVA	P3-22	1
FCU-1.18	277 V	1	0.6 A	0.2 kVA	P3-22	1
FCU-1.19	277 V	1	0.7 A	0.2 kVA	P3-22	1
FCU-1.20	277 V	1	0.4 A	0.1 kVA	P3-15	1
FCU-1.21	277 V	1	0.4 A	0.1 kVA	P3-20	1
FCU-1.22	277 V	1	0.6 A	0.2 kVA	P3-15	1
FCU-1.23	277 V	1	0.6 A	0.2 kVA	P3-22	1
FCU-1.24	277 V	1	0.6 A	0.2 kVA	P3-17	1
FCU-1.25	277 V	1	0.4 A	0.1 kVA	P3-25	1
FCU-1.26	277 V	1	0.4 A	0.1 kVA	P3-25	1
FCU-1.27	277 V	1	0.4 A	0.1 kVA	P3-25	1
FCU-1.28	277 V	1	0.4 A	0.1 kVA	P3-25	1
FCU-1.29	277 V	1	0.4 A	0.1 kVA	P3-25	1
FCU-1.30	277 V	1	0.4 A	0.1 kVA	P3-25	1
FCU-1.31	277 V	1	0.4 A	0.1 kVA	P3-25	1
FCU-2.01	277 V	1	3.4 A	0.9 kVA	P3-14	1
FCU-2.02	277 V	1	3.4 A	0.9 kVA	P3-21	1
FCU-2.03	277 V	1	3.4 A	0.9 kVA	P3-23	1
FCU-2.04	277 V	1	3.4 A	0.9 kVA	P3-21	1
FCU-2.05	277 V	1	3.4 A	0.9 kVA	P3-23	1
FCU-2.06	277 V	1	3.4 A	0.9 kVA	P3-21	1
FCU-2.07	277 V	1	3.4 A	0.9 kVA	P3-23	1
FCU-2.08	277 V	1	0.4 A	0.1 kVA	P3-14	1
FCU-2.09	277 V	1	0.4 A	0.1 kVA	P3-14	1
FCU-2.10	277 V	1	3.4 A	0.9 kVA	P3-26	1,5
FCU-2.11	277 V	1	3.4 A	0.9 kVA	P3-26	1,5
FCU-2.12	277 V	1	0.4 A	0.1 kVA	P3-19	1
FCU-2.13	277 V	1	0.4 A	0.1 kVA	P3-19	1
FCU-2.14	277 V	1	0.6 A	0.2 kVA	P3-19	1
FCU-3.01	277 V	1	3.4 A	0.9 kVA	P3-16	1
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FCU-3.03	277 V	1	3.4 A	0.9 kVA	P3-16	1
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FCU-3.11	277 V	1	0.6 A	0.2 kVA	P3-28	1
FCU-4.01	277 V	1	3.4 A	0.9 kVA	P3-18	1,5
FCU-4.02	277 V	1	3.4 A	0.9 kVA	P3-18	1,5
FCU-4.03	277 V	1	3.4 A	0.9 kVA	P2-4	1,5

MECHANICAL EQUIPMENT CONNECTION SCHEDULE (PUMPS)						
EQUIPMENT DESIG.	ELECTRICAL CHARACTERISTICS			CIRCUIT DESIG.	MECS NOTES	
	VOLTAGE	φ	AMPS			kVA
P-1	480 V	3	21.0 A	17.5 kVA	P2-10,12,14	12
P-2	480 V	3	11.0 A	9.1 kVA	P2-11,13,15	4
P-3	480 V	3	34.0 A	28.3 kVA	E2L2-1,3,5	13
P-4 (SB)	480 V	3	0.0 A	0.0 kVA	E2L2-2,4,6	13
P-5	480 V	3	4.8 A	4.0 kVA	E2L2-7,9,11	
P-6	480 V	3	4.8 A	4.0 kVA	E2L2-8,10,12	
RP-1	120 V	1	9.8 A	1.2 kVA	R13-16	

MECHANICAL EQUIPMENT CONNECTION SCHEDULE (HVUs)						
EQUIPMENT DESIG.	ELECTRICAL CHARACTERISTICS			CIRCUIT DESIG.	MECS NOTES	
	VOLTAGE	φ	AMPS			kVA
HVU-1	480 V	3	19.1 A	15.9 kVA	P1-5,7,9	2
HVU-2	480 V	3	19.1 A	15.9 kVA	P1-10,12,14	2
HVU-3	480 V	3	9.1 A	7.6 kVA	P1-17,19,21	2
HVU-4	480 V	3	46.6 A	38.7 kVA	P1-22,24,26	2
HVU-5	480 V	3	26.2 A	21.8 kVA	P1-23,25,27	2
HVU-6	480 V	3	15.5 A	12.9 kVA	P1-11,13,15	2

MECHANICAL EQUIPMENT CONNECTION SCHEDULE (ACs)						
EQUIPMENT DESIG.	ELECTRICAL CHARACTERISTICS			CIRCUIT DESIG.	MECS NOTES	
	VOLTAGE	φ	AMPS			kVA
AC-1	480 V	3	13.4 A	11.1 kVA	SWBD-1-15	18
AC-2	480 V	3	13.4 A	11.1 kVA	SWBD-1-16	18

MECHANICAL EQUIPMENT CONNECTION SCHEDULE (COOLER CONDENSER)						
EQUIPMENT DESIG.	ELECTRICAL CHARACTERISTICS			CIRCUIT DESIG.	MECS NOTES	
	VOLTAGE	φ	AMPS			kVA
COOLER CONDENSER	208 V	2	16.0 A	3.3 kVA	KE-14,16	17

MECHANICAL EQUIPMENT CONNECTION SCHEDULE (BOILERS)						
EQUIPMENT DESIG.	ELECTRICAL CHARACTERISTICS			CIRCUIT DESIG.	MECS NOTES	
	VOLTAGE	φ	AMPS			kVA
B-1	120 V	1	25 A	3.0 kVA	E2R2-12	6
B-2	120 V	1	25 A	3.0 kVA	E2R2-13	6

A		B			
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		D			E	
MECHANICAL EQUIPMENT CONNECTION SCHEDULE (FCUs)						
EQUIPMENT DESIG.	ELECTRICAL CHARACTERISTICS				CIRCUIT DESIG.	MECS NOTES
	VOLTAGE	ϕ	AMPS	kVA		
FCU-4.04	277 V	1	3.4 A	0.9 kVA	P2-4	1,5
FCU-4.05	277 V	1	3.4 A	0.9 kVA	P2-4	1
FCU-4.06	277 V	1	3.4 A	0.9 kVA	P2-2	1,5
FCU-4.07	277 V	1	3.4 A	0.9 kVA	P2-7	1,5
FCU-4.08	277 V	1	2.9 A	0.8 kVA	P2-7	1
FCU-4.09	277 V	1	0.6 A	0.2 kVA	P2-7	1
FCU-4.10	277 V	1	0.6 A	0.2 kVA	P2-6	1
FCU-4.11	277 V	1	3.4 A	0.9 kVA	P2-6	1,5
FCU-4.12	277 V	1	1.0 A	0.3 kVA	P2-6	1
FCU-4.13	277 V	1	1.0 A	0.3 kVA	P2-6	1
FCU-4.14	277 V	1	1.0 A	0.3 kVA	P2-6	1
FCU-4.15	277 V	1	0.6 A	0.2 kVA	P2-7	1
FCU-4.16	277 V	1	0.4 A	0.1 kVA	P2-2	1
FCU-4.17	277 V	1	0.4 A	0.1 kVA	P2-4	1
FCU-4.18	277 V	1	0.6 A	0.2 kVA	P2-2	1
FCU-4.19	277 V	1	0.6 A	0.2 kVA	P2-4	1
FCU-4.20	277 V	1	0.6 A	0.2 kVA	P2-2	1
FCU-4.21	277 V	1	0.6 A	0.2 kVA	P2-2	1
FCU-6.01	277 V	1	1.0 A	0.3 kVA	P5-2	1
FCU-6.02	277 V	1	1.0 A	0.3 kVA	P5-2	1
FCU-6.03	277 V	1	1.0 A	0.3 kVA	P5-2	1
FCU-6.04	277 V	1	1.0 A	0.3 kVA	P5-2	1
FCU-6.05	277 V	1	1.0 A	0.3 kVA	P5-2	1
FCU-6.06	277 V	1	1.0 A	0.3 kVA	P5-2	1
FCU-6.07	277 V	1	1.0 A	0.3 kVA	P5-6	1
FCU-6.08	277 V	1	1.0 A	0.3 kVA	P5-4	1
FCU-6.09	277 V	1	1.0 A	0.3 kVA	P5-4	1
FCU-7.01	277 V	1	1.0 A	0.3 kVA	P5-7	1
FCU-7.02	277 V	1	1.0 A	0.3 kVA	P5-7	1
FCU-7.03	277 V	1	1.0 A	0.3 kVA	P5-7	1
FCU-7.04	277 V	1	1.0 A	0.3 kVA	P5-7	1
FCU-7.05	277 V	1	0.4 A	0.1 kVA	P5-7	1
FCU-7.06	277 V	1	0.4 A	0.1 kVA	P5-6	1
FCU-7.07	277 V	1	1.0 A	0.3 kVA	P5-6	1
FCU-7.08	277 V	1	1.0 A	0.3 kVA	P5-6	1
FCU-7.09	277 V	1	1.0 A	0.3 kVA	P5-6	1
FCU-7.10	277 V	1	1.0 A	0.3 kVA	P5-4	1
FCU-7.11	277 V	1	1.0 A	0.3 kVA	P5-4	1
FCU-7.12	277 V	1	1.0 A	0.3 kVA	P5-4	1
FCU-7.13	277 V	1	1.0 A	0.3 kVA	P5-4	1
FCU-7.14	277 V	1	1.0 A	0.3 kVA	P5-4	1
FCU-7.15	277 V	1	1.0 A	0.3 kVA	P5-4	1
FCU-8.01	277 V	1	3.4 A	0.9 kVA	P1-1	1
FCU-8.02	277 V	1	3.4 A	0.9 kVA	P1-1	1
FCU-8.03	277 V	1	3.4 A	0.9 kVA	P1-1	1
FCU-8.04	277 V	1	3.4 A	0.9 kVA	P1-3	1
FCU-8.05	277 V	1	3.4 A	0.9 kVA	P1-3	1
FCU-8.06	277 V	1	0.6 A	0.2 kVA	P1-2	1
FCU-8.07	277 V	1	0.6 A	0.2 kVA	P1-2	1
FCU-8.08	277 V	1	0.6 A	0.2 kVA	P1-2	1
FCU-8.09	277 V	1	0.6 A	0.2 kVA	P2-8	1
FCU-8.10	277 V	1	0.6 A	0.2 kVA	P2-8	1
FCU-8.11	277 V	1	0.6 A	0.2 kVA	P2-8	1
FCU-8.12	277 V	1	0.6 A	0.2 kVA	P2-8	1
FCU-8.13	277 V	1	0.6 A	0.2 kVA	P2-8	1
FCU-8.14	277 V	1	0.6 A	0.2 kVA	P2-8	1
FCU-8.15	277 V	1	0.6 A	0.2 kVA	P2-9	1
FCU-8.16	277 V	1	0.6 A	0.2 kVA	P2-9	1
FCU-8.17	277 V	1	0.6 A	0.2 kVA	P2-9	1
FCU-8.18	277 V	1	0.6 A	0.2 kVA	P2-9	1
FCU-8.19	277 V	1	0.6 A	0.2 kVA	P1-40	1
FCU-8.20	277 V	1	0.6 A	0.2 kVA	P1-40	1

MECHANICAL EQUIPMENT CONNECTION SCHEDULE (INFRA-RED HEATER's)						
EQUIPMENT DESIG.	ELECTRICAL CHARACTERISTICS				CIRCUIT DESIG.	M NOTES
	VOLTAGE	ϕ	AMPS	kVA		
INFRA-RED HEATER - 1	120 V	1	0.1 A	0.0 kVA	R22-10	
INFRA-RED HEATER - 3	120 V	1	0.1 A	0.0 kVA	R22-9	
INFRA-RED HEATER - 4	120 V	1	0.1 A	0.0 kVA	R22-11	
INFRA-RED HEATER - 5	120 V	1	0.1 A	0.0 kVA	R22-11	
INFRA-RED HEATER - 6	120 V	1	0.1 A	0.0 kVA	R22-12	
INFRA-RED HEATER - 7	120 V	1	0.1 A	0.0 kVA	R22-12	
INFRA-RED HEATER - 8	120 V	1	0.1 A	0.0 kVA	R22-13	
INFRA-RED HEATER - 9	120 V	1	0.1 A	0.0 kVA	R22-13	

MECHANICAL EQUIPMENT CONNECTION SCHEDULE (FILTRATION UNITS)						
EQUIPMENT DESIG.	ELECTRICAL CHARACTERISTICS				CIRCUIT DESIG.	M NOTES
	VOLTAGE	ϕ	AMPS	kVA		
FILTRATION UNIT-1	120 V	1	7.4 A	0.9 kVA	R22-14	
FILTRATION UNIT-2	120 V	1	7.4 A	0.9 kVA	R22-15	
FILTRATION UNIT-3	120 V	1	7.4 A	0.9 kVA	R22-16	
FILTRATION UNIT-4	120 V	1	7.4 A	0.9 kVA	R22-17	
FILTRATION UNIT-5	120 V	1	7.4 A	0.9 kVA	R22-18	
FILTRATION UNIT-6	120 V	1	7.4 A	0.9 kVA	R22-19	
FILTRATION UNIT-7	120 V	1	7.4 A	0.9 kVA	R22-20	
FILTRATION UNIT-8	120 V	1	7.4 A	0.9 kVA	R21-17	
FILTRATION UNIT-9	120 V	1	7.4 A	0.9 kVA	R21-18	
FILTRATION UNIT-10	120 V	1	7.4 A	0.9 kVA	R21-19	
FILTRATION UNIT-11	120 V	1	7.4 A	0.9 kVA	R21-20	

MECHANICAL EQUIPMENT CONNECTION SCHEDULE (HRCU's)						
EQUIPMENT DESIG.	ELECTRICAL CHARACTERISTICS				CIRCUIT DESIG.	M NOTES
	VOLTAGE	ϕ	AMPS	kVA		
HRCU-1 (MODULE 1)	480 V	3	21.3 A	17.7 kVA	P5-21,23,25	
HRCU-1 (MODULE 2)	480 V	3	16.0 A	13.3 kVA	P5-26,28,30	

		D			E	
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CDDistribution Panel: CDP1

Location: ELEC A110

Supply From: TCDP1

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 24K

Mains Type:

Mains Rating: 400 A

MCB Rating: 400 A

Notes:

CKT	Circuit Description	P	CB	WIRE SIZE	Load	Remarks
CDP1-1	PANEL C2	3	225 A	(4#10 + #6GW - 1-1/2"°C	51.0 kVA	
CDP1-2	PANEL C3	3	100 A	(4#11 + #8GW - 1-1/2"°C	15.9 kVA	
CDP1-3	PANEL C5	3	100 A	(4#11 + #8GW - 1-1/2"°C	18.7 kVA	
CDP1-4	PREPARED SPACE	3	--		--	
CDP1-5	PREPARED SPACE	3	--		--	
CDP1-6	PREPARED SPACE	3	--		--	
CDP1-7						
CDP1-8						
CDP1-9						
CDP1-10						
CDP1-11						
CDP1-12						
CDP1-13						
CDP1-14						
CDP1-15						
CDP1-16						
CDP1-17						
CDP1-18						
CDP1-19						
CDP1-20						
					85.6 kVA	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
MOTOR -	0.0 kVA	0.00%	0.0 kVA	
REC -	76.7 kVA	56.52%	43.3 kVA	Total Conn. Load: 85.6 kVA
MECHANICAL -	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand: 52.2 kVA
LTG -	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load: 238 A
				Total Est. Demand: 145 A

Notes:

Branch Panel: P2

LOCATION: MECHANICAL ROOM B107

SUPPLY FROM: SWB0-2

MOUNTING: Surface

VOLTAGE: 480/277 Vye

PHASE: 3

WIRES: 4

A.I.C. RATING: 42K

MAINS RATING: 225 A

MCB RATING: 225 A

NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT				
P2-1	PANEL R13 & R14 (VIA XFMR TR13)	REFER TO XFMR SCHEDULE	3	150 A	8.3 kVA	1.5 kVA				15 A 1	(2)#12 + #12GW - 3/4" C	FCU-4.06.4.16.4.18.4.20 & 4.21	P2-2			
P2-3						6.2 kVA	3.1 kVA				20 A 1	(2)#12 + #12GW - 3/4" C	FCU-4.03.4.04.4.05.4.17 & 4.19	P2-4		
P2-6							5.9 kVA	1.9 kVA		20 A 1	(2)#12 + #12GW - 3/4" C	FCU-4.10.4.11.4.12.4.13 & 4.14	P2-6			
P2-9	FCU-4.07.408.4.09 & 4.22	(2)#12 + #12GW - 3/4" C	1	20 A	2.1 kVA	1.0 kVA				20 A 1	(2) #12 + #12GW - 3/4" C	FCU-8.09.8.10.8.11.8.12.8.13 & 8.14	P2-8			
P2-9	FCU-8.15.8.16.8.17 & 8.18	(2)#12 + #12GW -3/4" C	1	15 A		0.6 kVA	5.8 kVA						P2-10			
P2-11	P-2 - MECHANICAL ROOM B107	(3)#12 + #12GW - 3/4" C	3	20 A	3.0 kVA	5.8 kVA				3.0 kVA	5.8 kVA	40 A 3	(3)#8 + #10GW - 3/4" C	P-1		
P2-13							3.0 kVA	0.0 kVA			6.3 kVA	0.0 kVA	20 A 3	--	SPARE	
P2-15																
P2-17	PANEL C1 (VIA XFMR TC1)	REFER TO XFMR SCHEDULE	3	60 A	4.2 kVA	0.0 kVA										
P2-19							4.8 kVA	0.0 kVA		0.0 kVA	0.0 kVA	20 A 3	--	SPARE		
P2-21																
P2-23	SPARE	--	3	20 A	0.0 kVA	0.0 kVA				0.0 kVA	0.0 kVA	20 A 3	--	SPARE		
P2-25																
P2-27																
P2-29	SPARE	--	1	20 A			0.0 kVA	0.0 kVA		0.0 kVA	0.0 kVA	20 A 1	--	SPARE		
P2-31	SPARE	--	1	20 A	0.0 kVA	0.0 kVA				0.0 kVA	0.0 kVA	20 A 1	--	SPARE		
P2-33	SPACE	--	1	--	--	--				--	1	--	SPACE			
P2-35	SPACE	--	1	--	--	--				--	--	--	1	--	SPACE	
P2-37	SPACE	--	1	--	--	--				--	--	--	1	--	SPACE	
P2-39	SPACE	--	1	--	--	--				--	--	--	1	--	SPACE	
P2-41	SPACE	--	1	--	--	--				--	--	--	1	--	SPACE	
Total Connected Load:					72.5...	25.9 kVA	23.6 kVA	23.0 kVA								
Legend:																
LOAD CLASSIFICATION					CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS					
MOTOR -					0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 72.5 kVA					
REC -					27.9 kVA		67.90%		19.0 kVA		Total Est. Demand: 63.5 kVA					
MECHANICAL +					41.0 kVA		100.00%		41.0 kVA		Total Conn.: 37 A					
LTG -					0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 76 A					

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Branch Panel: P3													
LOCATION: ELEC A110				VOLTAGE: 480/277 Wye				A.I.C. RATING: 42k					
SUPPLY FROM: SWBD-2				PHASE: 3				MAINS RATING: 600 A					
MOUNTING: Surface				WIRES: 4				MCB RATING: 500 A					
								NEUTRAL RATING: 100%					
Notes: ** = PROVIDE SHUNT TRIP CIRCUIT BREAKER.													
CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
P3-1					7.3 kVA	30.9 kVA						P3-2	
P3-3	PANEL L3	(4)#1 + #8 - 1-1/2"	3	100 A		6.2 kVA	27.3 kVA			225 A	REFER TO XFMR SCHEDULE	PANEL CDP1 (VIA XFMR TCDP1)	P3-4
P3-5					0.0 kVA	3.9 kVA		5.5 kVA	27.4...				P3-6
P3-7													P3-8
P3-9	**ELEVATOR-1	(3)#2 + #8WG - 1-1/4"	3	90 A		0.0 kVA	2.9 kVA			60 A	REFER TO XFMR SCHEDULE	PANEL R20 (VIA XFMR TR20)	P3-10
P3-11								0.0 kVA	1.6 kVA				P3-12
P3-13	FCU-1.10,1.11,1.12,1.13,1.14 & 1.15	(2)#12 + #12GW - 3/4"	1	15 A	0.7 kVA	1.1 kVA				15 A	(2)#12 + #12GW - 3/4"	FCU-2.08, 2.09 & 2.01	P3-14
P3-15	FCU-1.05,1.06,1.20,1.22 & 1.07	(2)#12 + #12GW - 3/4"	1	15 A			2.3 kVA	2.1 kVA		15 A	(2)#12 + #12GW - 3/4"	FCU-3.01,3.03,3.09 & 3.10	P3-16
P3-17	FCU-1.01,1.16 & 1.24	(2)#12 + #12GW - 3/4"	1	20 A				1.3 kVA	1.9 kVA	15 A	(2)#12 + #12GW - 3/4"	FCU-4.02 & 4.01	P3-18
P3-19	FCU-2.12,2.13 & 2.14	(2)#12 + #12GW - 3/4"	1	15 A	0.4 kVA	0.4 kVA				15 A	(2)#12 + #12GW - 3/4"	FCU-1.07,1.08,1.09 & 1.21	P3-20
P3-21	FCU-2.02,2.04 & 2.06	(2)#12 + #12GW - 3/4"	1	15 A		2.8 kVA	0.7 kVA			15 A	(2)#12 + #12GW - 3/4"	FCU-1.03,1.04,1.17,1.18,1.19 & 1.23	P3-22
P3-23	FCU-2.03,2.05 & 2.07	(2)#12 + #12GW - 3/4"	1	15 A				2.8 kVA	2.6 kVA	15 A	(2)#12 + #12GW - 3/4"	FCU-1.02,1.03 & 1.04	P3-24
P3-25	FCU-1.25,1.26,1.27,1.28,1.29,1.30 ...	(2)#12 + #12GW - 3/4"	1	15 A	0.7 kVA	1.9 kVA				15 A	(2)#12 + #12GW - 3/4"	FCU-2.10 & 2.11	P3-26
P3-27	FCU-3.02,3.04 & 3.05	(2)#12 + #12GW - 3/4"	1	20 A		2.8 kVA	1.5 kVA			15 A	(2)#12 + #12GW - 3/4"	FCU-3.06,3.07,3.08 & 3.11	P3-28
P3-29								7.6 kVA	17.4...				P3-30
P3-31	DOAS-5	(3)#8+ #10 - 3/4"	3	35 A	7.6 kVA	17.4 kVA				80 A	(3)#3+ #8GW - 1"	DOAS-4	P3-32
P3-33						7.6 kVA	17.4 kVA						P3-34
P3-35								9.3 kVA	11.4...				P3-36
P3-37	DOAS-3	(3)#6+ #10 - 3/4"	3	45 A	9.3 kVA	11.4 kVA				60 A	(3)#4 + #10GW - 1"	DOAS-1	P3-38
P3-39						9.3 kVA	11.4 kVA						P3-40
P3-41								13.7 kVA	0.5 kVA				P3-42
P3-43	DOAS-2	(3)#4 + #8GW - 1"	3	70 A	13.7...	0.5 kVA				15 A	(3)#12 + #12GW - 3/4"	F-2	P3-44
P3-45						13.7 kVA	0.5 kVA						P3-46
P3-47								0.0 kVA	0.0 kVA				P3-48
P3-49	SPARE	--	3	20 A	0.0 kVA	0.0 kVA				20 A	--	SPARE	P3-50
P3-51						0.0 kVA	0.0 kVA						P3-52
P3-53								0.0 kVA	0.0 kVA	20 A	--	SPARE	P3-54
P3-55	SPARE	--	3	20 A	0.0 kVA	0.0 kVA				20 A	--	SPARE	P3-56
P3-57						0.0 kVA	0.0 kVA			20 A	--	SPARE	P3-58
P3-59	SPACE	--	1	--				--	--	--	--	SPACE	P3-60
Total Connected Load:					318.1...	106.9 kVA	108.3 kVA	102.9 kVA					
Legend:													
LOAD CLASSIFICATION					CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS		
MOTOR -					0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 318.1 kVA		
REC -					83.9 kVA		55.96%		46.9 kVA		Total Est. Demand: 281.1 kVA		
MECHANICAL -					208.8 kVA		100.00%		208.8 kVA		Total Conn.: 383 A		
LTG. -					14.2 kVA		100.00%		14.2 kVA		Total Est. Demand.: 338 A		

Branch Panel: P5															
LOCATION: ELECTRICAL ROOM B22.1					VOLTAGE: 480/277 Wye					A.I.C. RATING: 42k					
SUPPLY FROM: SWBD-1					PHASE: 3					MAINS RATING: 400 A					
MOUNTING: Surface					WIRES: 4					MCB RATING: 400 A					
NEUTRAL RATING: 100%															
Notes: ** = PROVIDE SHUNT TRIP CIRCUIT BREAKER.															
CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT			
P5-1	EX. RTU-3	(3)#4 + #8GW - 1"	3	70 A	19.4...	1.7 kVA				20 A	1	(2) #12 + 12GW - 3/4"	FCU - 6.01,6.02,6.03,6.04,6.05 & 6.06	P5-2	
P5-3						19.4 kVA	2.2 kVA			20 A	1	(2) #12 + 12GW - 3/4"	FCU-6.08,6.09,7.10,7.11,7.12,7.13,7...	P5-4	
P5-5							19.4 kVA	1.2 kVA	20 A	1	(2) #12 + 12GW -3/4"	FCU-6.07,7.06,7.07,7.08 & 7.09	P5-6		
P5-7	FCU-7.01,7.02,7.03,7.04 & 7.05	(2)#12 + #12GW - 3/4"	1	20 A	1.2 kVA	6.7 kVA							P5-8		
P5-9	RTU-2	(3)#10 + #10GW - 3/4"	3	25 A		5.1 kVA	6.7 kVA			35 A	3	(3)#8+ #10 - 3/4"	RTU-4	P5-10	
P5-11							5.1 kVA	6.7 kVA						P5-12	
P5-13						5.1 kVA	0.5 kVA								P5-14
P5-15	PANEL R19 (VIA XFMR TR19)	REFER TO XFMR SCHEDULE	3	150 A		7.8 kVA	0.5 kVA			15 A	3	(3) #12 + 12GW -3/4"	F-7	P5-16	
P5-17							5.1 kVA	0.5 kVA					P5-18		
P5-19						6.5 kVA	0.0 kVA							P5-20	
P5-21	COND-1 (MODULE 1)	(3)#10+ #10GW - 3/4"	3	25 A		5.9 kVA	0.0 kVA			80 A	3	(3)#3 + #8GW - 1"	**ELEVATOR-2	P5-22	
P5-23							5.9 kVA	0.0 kVA						P5-24	
P5-25						5.9 kVA	4.4 kVA								P5-26
P5-27	SPARE	--	3	20 A		0.0 kVA	4.4 kVA			20 A	3	(3)#12 + #12GW - 3/4"	COND-1 (MODULE 2)	P5-28	
P5-29							0.0 kVA	4.4 kVA						P5-30	
P5-31						0.0 kVA	0.0 kVA								P5-32
P5-33	SPARE	--	3	20 A		0.0 kVA	0.0 kVA			20 A	3	--	SPARE	P5-34	
P5-35							0.0 kVA	0.0 kVA							P5-36
P5-37						0.0 kVA	0.0 kVA			0.0 kVA	0.0 kVA				P5-38
P5-39	SPACE	--	1	--		--	--			--	1	--	SPACE	P5-40	
P5-41	SPACE	--	1	--			--	--	--	--	1	--	SPACE	P5-42	
Total Connected Load:					152.0...	51.5 kVA	52.2 kVA	48.4 kVA							
Legend:															
LOAD CLASSIFICATION					CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS				
MOTOR -					0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 152.0 kVA				
REC -					4.2 kVA		100.00%		4.2 kVA		Total Est. Demand: 152.0 kVA				
MECHANICAL +					137.1 kVA		100.00%		137.1 kVA		Total Conn.: 183 A				
LTG. -					0.0 kVA		0.00%		0.0 kVA		Total Est. Demand.: 163 A				

Branch Panel: P4

LOCATION: ELECTRICAL ROOM B224.1

SUPPLY FROM: SWBD-1

MOUNTING: Surface

VOLTAGE: 480/277 Wye

PHASE: 3

WIRES: 4

A.I.C. RATING: 42k

MAINS RATING: 400 A

MCB RATING: 300 A

NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
P4-1	PANEL C4 (VIA XFMR TC4)	REFER TO XFMR SCHEDULE	3	90 A	10.4...	8.8 kVA			45 A	3	(3)#6+ #10GW - 3/4"	RTU-1	
P4-3						8.2 kVA	8.8 kVA						
P4-5							10.7 kVA	8.8 kVA					
P4-7					22.6...	14.7 kVA							
P4-9	DOAS-7	(3)#1+ #8GW - 1-1/4"	3	100 A		22.6 kVA	14.7 kVA		70 A	3	(3)#4 + #8GW - 1"	DOAS-6	
P4-11							22.6 kVA	14.7...					
P4-13					0.0 kVA	0.0 kVA							
P4-15	SPARE	--	3	20 A		0.0 kVA	0.0 kVA		20 A	3	--	SPARE	
P4-17							0.0 kVA	0.0 kVA					
P4-19					0.0 kVA	0.0 kVA			20 A	1	--	SPARE	
P4-21	SPARE	--	3	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	
P4-23							0.0 kVA	0.0 kVA	20 A	1	--	SPARE	
P4-25	SPACE	--	1	--	--	--			--	1	--	SPACE	
P4-27	SPACE	--	1	--		--	--		--	1	--	SPACE	
P4-29	SPACE	--	1	--			--	--	--	1	--	SPACE	
Total Connected Load:					167.2...	56.4 kVA	54.2 kVA	56.7 kVA					

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
MOTOR -	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load: 167.2 kVA
REC -	29.0 kVA	67.27%	19.5 kVA	Total Est. Demand: 157.7 kVA
MECHANICAL -	137.9 kVA	100.00%	137.9 kVA	Total Conn.: 201 A
LTG -	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand.: 190 A

Branch Panel: L4

LOCATION: ELECTRICAL ROOM B22.1

SUPPLY FROM: SWB-D1

MOUNTING: Surface

VOLTAGE: 480/277 Vye

PHASE: 3

WIRES: 4

A.I.C. RATING: 24K

MAINS RATING: 225 A

MCB RATING: 225 A

NEUTRAL RATING: 100%

Notes:

* VIA BLC-4.

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT			
L4-1	Ltg. - Area B1 - 2nd Flr - MultiPurpose	(2)#12 + #12GW - 3/4"	1	20 A	2.6 kVA	2.0 kVA			20 A	1	(2)#12 + #12GW - 3/4"	Ltg. - Area C - 2nd Flr. - Future Shop	L4-2		
L4-3	Ltg. - Area A1/B2 - 2nd Flr - ...	(2)#12 + #12GW - 3/4"	1	20 A		2.8 kVA	2.0 kVA		20 A	1	(2)#12 + #12GW - 3/4"	Ltg. - Area C - 2nd Flr. - Future Shop	L4-4		
L4-5	* Ltg. - Area A - 2nd Flr - Corridor	(2)#12 + #12GW - 3/4"	1	20 A				1.0 kVA	1.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	Ltg. - Area B1 - 2nd Flr - Kitchen	L4-6	
L4-7	Ltg. - Area A - 2nd Flr - Classrooms	(2)#12 + #12GW - 3/4"	1	20 A	2.2 kVA	1.0 kVA				20 A	1	(2)#12 + #12GW - 3/4"	* Ltg. - Area A1 - 2nd Flr - Corridor	L4-8	
L4-9	Ltg. - Area B2 - 2nd Flr - Classrooms	(2)#12 + #12GW - 3/4"	1	20 A		2.9 kVA	3.3 kVA			20 A	1	(2)#12 + #12GW - 3/4"	Ltg. - Area B2 - 2nd Flr - Classrooms	L4-10	
L4-11	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A				0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL L4 CIRCUIT	L4-12	
L4-13	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.8 kVA				20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL L4 CIRCUIT	L4-14	
L4-15	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.8 kVA			20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL L4 CIRCUIT	L4-16	
L4-17	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A				0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL L4 CIRCUIT	L4-18	
L4-19	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.8 kVA				20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL L4 CIRCUIT	L4-20	
L4-21	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL L4 CIRCUIT	L4-22	
L4-23	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A				0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL L4 CIRCUIT	L4-24	
L4-25	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.8 kVA				20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL L4 CIRCUIT	L4-26	
L4-27	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL L4 CIRCUIT	L4-28	
L4-29	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A						20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL L4 CIRCUIT	L4-30	
L4-31	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.8 kVA			0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL L4 CIRCUIT	L4-32
L4-33	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA		20 A	3	(3)#12 + #12GW - 3/4"	EX. PANEL L4 CIRCUIT	L4-34	
L4-35	EX. PANEL L4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A				0.8 kVA	0.8 kVA					L4-36	
L4-37					0.8 kVA	8.0 kVA								L4-38	
L4-39	EX. PANEL L4 CIRCUIT	(3)#6 + #10GW - 3/4"	3	50 A		0.8 kVA	0.8 kVA		100 A	3	(4)#1 + #8GW - 1-1/2"	PANEL L5		L4-40	
L4-41								0.8 kVA	8.0 kVA					L4-42	
Total Connected Load:					68.0...	22.8 kVA	26.0 kVA	19.2 kVA							

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
MOTOR -	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load: 68.0 kVA
REC -	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand: 68.0 kVA
MECHANICAL -	0.0 kVA	0.00%	0.0 kVA	Total Conn.: 82 A
LTG. -	16.0 kVA	100.00%	16.0 kVA	Total Est. Demand.: 82 A

Branch Panel: L5

LOCATION: ELEC. ROOM A22.2

SUPPLY FROM: L4

MOUNTING: Surface

VOLTAGE: 480/277 Vye

PHASE: 3

WIRES: 4

A.I.C. RATING: 24K

MAINS RATING: 100 A

MCB RATING: 100 A

NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
L5-1	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.8 kVA			20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-2
L5-3	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.8 kVA		20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-4
L5-5	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA	20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-6
L5-7	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.8 kVA			20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-8
L5-9	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.8 kVA		20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-10
L5-11	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA	20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-12
L5-13	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.8 kVA			20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-14
L5-15	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.8 kVA		20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-16
L5-17	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA	20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-18
L5-19	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.8 kVA			20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-20
L5-21	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.8 kVA		20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-22
L5-23	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA	20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-24
L5-25	EX. PANEL L3 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.8 kVA			20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-26
L5-27	EX. PANEL L3 CIRCUIT	(3#4 + #10GW - 3/4"	3	50 A		0.8 kVA	0.8 kVA		20 A	3	(3#12 + #12GW - 3/4"	EX. PANEL L3 CIRCUIT	L5-28
L5-29								0.8 kVA	0.8 kVA				L5-30
L5-31	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	L5-32
L5-33	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	L5-34
L5-35	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	L5-36
L5-37	SPARE	--	1	--	--	--			--	1	--	SPACE	L5-38
L5-39	SPARE	--	1	--	--	--	--	--	--	1	--	SPACE	L5-40
L5-41	SPARE	--	1	--	--	--	--	--	--	1	--	SPACE	L5-42

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
MOTOR -	0.0 kVA	0.00%	0.0 kVA	Total Conn. Demand: 24.0 kVA
REC -	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand: 24.0 kVA
MECHANICAL -	0.0 kVA	0.00%	0.0 kVA	Total Conn.: 29 A
LTG -	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand: 29 A

L2	L3
L4	L5

Distribution Panel: RDP1

Location: ELECTRICAL ROOM B108

Supply From: TRDP1

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Vye

Phases: 3

Wires: 4

A.I.C. Rating: 24K

Mains Type:

Mains Rating: 600 A

MCB Rating: 500 A

Notes:

CKT	Circuit Description	P	CB	WIRE SIZE	Load	Remarks
RDP1-1	PANEL R1	3	100 A	(4)#1 + #8GW - 1-1/2" C	6.6 kVA	
RDP1-2	PANEL R2	3	200 A	(4)#3/0 + #6GW - 2" C	13.8 kVA	
RDP1-3	PANEL R3	3	200 A	(4)#3/0 + #6GW - 2" C	10.3 kVA	
RDP1-4	PANEL R4	3	200 A	(4)#3/0 + #6GW - 2" C	8.6 kVA	
RDP1-5	PANEL R5	3	200 A	(4)#3/0 + #6GW - 2" C	2.2 kVA	
RDP1-6	PANEL R6	3	200 A	(4)#3/0 + #6GW - 2" C	0.0 kVA	
RDP1-7	PANEL R21	3	100 A	(4)#1 + #8GW - 1-1/2" C	17.8 kVA	
RDP1-8	PANEL S8	3	100 A	(4)#1 + #8GW - 2" C	2.8 kVA	
RDP1-9	PREPARED SPACE	3	--		--	
RDP1-10	PREPARED SPACE	3	--		--	
RDP1-11	PREPARED SPACE	3	--		--	
RDP1-12						
RDP1-13						
RDP1-14						
RDP1-15						
RDP1-16						
RDP1-17						
RDP1-18						
RDP1-19						
RDP1-20						
					62.0 kVA	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
MOTOR -	0.0 kVA	0.00%	0.0 kVA	<div>Total Conn. Load: 62.0 kVA</div> <div>Total Est. Demand: 44.9 kVA</div> <div>Total Conn.: 172 A</div> <div>Total Est. Demand: 125 A</div>	
REC -	44.2 kVA	61.32%	27.1 kVA		
MECHANICAL -	6.5 kVA	100.00%	6.5 kVA		
LTG. -	0.0 kVA	0.00%	0.0 kVA		

Notes:

Distribution Panel: RDP2

Location: Space C118

Supply From: TRDP2

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Vye

Phases: 3

Wires: 4

A.I.C. Rating: 24K

Mains Type:

Mains Rating: 1000 A

MCB Rating: 1000 A

Notes:

CKT	Circuit Description	P	CB	WIRE SIZE	Load	Remarks
RDP2-1	PANEL R7	3	200 A	(4)#3/0 + #6GW - 2"C	39.6 kVA	
RDP2-2	PANEL R8	3	225 A	(4)#4/0 + #4GW - 2-1/2"C	62.6 kVA	
RDP2-3	PANEL R9	3	225 A	(4)#4/0 + #4GW - 2-1/2"C	62.2 kVA	
RDP2-4	PANEL R10	3	200 A	(4)#3/0 + #6GW - 2"C	3.2 kVA	
RDP2-5	PANEL R11	3	200 A	(4)#3/0 + #6GW - 2"C	14.0 kVA	
RDP2-6	PANEL R12	3	200 A	(4)#3/0 + #6GW - 2"C	43.0 kVA	
RDP2-7	PANEL R22	3	150 A	(4)#1 + #8GW - 1-1/2"C	28.8 kVA	
RDP2-8	PREPARED SPACE	3	--		--	
RDP2-9	PREPARED SPACE	3	--		--	
RDP2-10	PREPARED SPACE	3	--		--	
RDP2-11						
RDP2-12						
RDP2-13						
RDP2-14						
RDP2-15						
RDP2-16						
RDP2-17						
RDP2-18						
RDP2-19						
RDP2-20						
Legend:					253.4 KVA	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
MOTOR -	3.9 kVA	100.00%	3.9 kVA		
REC -	50.8 kVA	59.84%	30.4 kVA	Total Conn. Load:	253.4 kVA
MECHANICAL -	12.6 kVA	100.00%	12.6 kVA	Total Est. Demand:	233.0 kVA
LTG -	0.0 kVA	0.00%	0.0 kVA	Total Conn.: Total Est. Demand:	703 A 647 A

Notes:

Distribution Panel: RDP3

Location: ELECTRICAL ROOM B22.1

Supply From: TRDP3

Mounting: Surface

Enclosure: Type 1

Volts: 120/208 Vlye

Phases: 3

Wires: 4

A.I.C. Rating: 24K

Mains Type:

Mains Rating: 400 A

MCB Rating: 400 A

Notes:

CKT	Circuit Description	P	CB	WIRE SIZE	Load	Remarks
RDP3-1	PANEL R16	3	150 A	(4)#1 + #6GW - 1-1/2°C	19.3 kVA	
RDP3-2	PANEL R16	3	100 A	(4)#1 + #6GW - 1-1/2°C	18.0 kVA	
RDP3-3	PANEL R17	3	125 A	(4)#1 + #6GW - 1-1/2°C	17.0 kVA	
RDP3-4	PANEL R18	3	200 A	(4)#3/4 + #6GW - 2°C	23.4 kVA	
RDP3-5	SPACE	3	--		--	
RDP3-6	SPACE	3	--		--	
RDP3-7	SPACE	3	--		--	
RDP3-8						
RDP3-9						
RDP3-10						
RDP3-11						
RDP3-12						
RDP3-13						
RDP3-14						
RDP3-15						
RDP3-16						
RDP3-17						
RDP3-18						
RDP3-19						
RDP3-20						
					77.7 kVA	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
MOTOR -	0.0 kVA	0.00%	0.0 kVA		
REC -	2.4 kVA	100.00%	2.4 kVA	Total Conn. Load: 77.7 kVA	
MECHANICAL -	8.4 kVA	100.00%	8.4 kVA	Total Est. Demand: 77.7 kVA	
LTG. -	0.0 kVA	0.00%	0.0 kVA	Total Conn.: 216 A	
				Total Est. Demand: 216 A	

Notes:

Branch Panel: R1

LOCATION: RDP1

SUPPLY FROM: RDP1

MOUNTING: Surface

VOLTAGE: 120/208 Vye

PHASE: 3

WIRES: 4

A.I.C. RATING: 14k

MAINS RATING: 100 A

MCB RATING: 100 A

NEUTRAL RATING: 100%

Notes:

PROVIDE SHUNT TRIP MCB.

ALL BRANCH CIRCUIT BREAKERS IN THIS PANEL SHALL BE GFCI TYPE.

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT			
R1-1	REC - LOGISTICS C102	(2)#12 + #12GW - 3/4"	1	20 A	1.0 kVA	1.0 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - LOGISTICS C102	R1-2		
R1-3						1.3 kVA	0.6 kVA						R1-4		
R1-5	KODIAK CHARGER - LOGISTICS C102	(3)#12 + #12GW - 3/4"	3	20 A				1.3 kVA	0.0 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - STORAGE C104	R1-6	
R1-7					1.3 kVA	0.0 kVA			20 A	1	--	SPARE		R1-8	
R1-9	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE		R1-10	
R1-11	SPARE	--	1	20 A				0.0 kVA	0.0 kVA	20 A	1	--	SPARE		R1-12
R1-13	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE		R1-14	
R1-15	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE		R1-16	
R1-17	SPARE	--	1	20 A				0.0 kVA	0.0 kVA	20 A	1	--	SPARE		R1-18
R1-19	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE		R1-20	
R1-21	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE		R1-22	
R1-23	SPARE	--	1	20 A				0.0 kVA	0.0 kVA	20 A	1	--	SPARE		R1-24
R1-25	SPACE	--	1	--	--	--			--	1	--	SPACE		R1-26	
R1-27	SPACE	--	1	--		--	--		--	1	--	SPACE		R1-28	
R1-29	SPACE	--	1	--				--	--	1	--	SPACE		R1-30	
R1-31	SPACE	--	1	--	--	--			--	1	--	SPACE		R1-32	
R1-33	SPACE	--	1	--		--	--		--	1	--	SPACE		R1-34	
R1-35	SPACE	--	1	--				--	--	1	--	SPACE		R1-36	
R1-37	SPACE	--	1	--	--	--			--	1	--	SPACE		R1-38	
R1-39	SPACE	--	1	--		--	--		--	1	--	SPACE		R1-40	
R1-41	SPACE	--	1	--				--						R1-42	
Total Connected Load: 6.6 kVA 3.3 kVA 1.9 kVA 1.3 kVA															
Legend:															
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS										
MOTOR -		0.0 kVA	0.00%	0.0 kVA	Total Conn. Load: 6.6 kVA										
REC -		2.6 kVA	100.00%	2.6 kVA	Total Est. Demand: 6.6 kVA										
MECHANICAL -		0.0 kVA	0.00%	0.0 kVA	Total Conn. Load: 16 A										
LTG -		0.0 kVA	0.00%	0.0 kVA	Total Est. Demand: 16 A										

Branch Panel: R2

LOCATION: Space A12C

SUPPLY FROM: RDP1

MOUNTING: Surface

VOLTAGE: 120/208 Wye

PHASE: 3

WIRES: 4

A.I.C. RATING: 14k

MAINS RATING: 200 A

MCB RATING: 200 A

NEUTRAL RATING: 100%


Notes:

PROVIDE SHUNT TRIP MCB.

ALL BRANCH CIRCUIT BREAKERS IN THIS PANEL SHALL BE GFCI TYPE.

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT		
R2-1	SANDER	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.1 kVA			30 A	2	(2)#10 + #10GW - 3/4"	PLANNER	R2-2	
R2-3	CHOP SAW	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.1 kVA						R2-4	
R2-5	OSCILLATOR	(2)#12 + #12GW - 3/4"	1	20 A				0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	ROUTER	R2-6
R2-7	LIFT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	1.2 kVA				20 A	1	(2)#12 + #12GW - 3/4"	REC - SPACE A12C	R2-8
R2-9	CHOP SAW -CARPENTRY C101	(2) #12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"	CHOP SAW - CARPENTRY C101	R2-10
R2-11	REC - SPACE A12C	(2)#12 + #12GW - 3/4"	1	20 A				0.4 kVA	0.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"	CHOP SAW - CARPENTRY C101	R2-12
R2-13	REC - CARPENTRY C101	(2) #12 + #12GW - 3/4"	1	20 A	0.4 kVA	0.4 kVA				20 A	1	(2) #12 + #12GW - 3/4"	REC - CARPENTRY C101	R2-14
R2-15	REC - CARPENTRY C101	(2) #12 + #12GW - 3/4"	1	20 A		0.4 kVA	0.4 kVA			20 A	1	(2) #12 + #12GW - 3/4"	REC - CARPENTRY C101	R2-16
R2-17	REC - SPACE A12C	(2) #12 + #12GW - 3/4"	1	20 A				0.4 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"	CORD REEL - CARPENTRY C101	R2-18
R2-19	CORD REEL - CARPENTRY C101	(2) #12 + #12GW - 3/4"	1	20 A	1.2 kVA	1.2 kVA				20 A	1	(2) #12 + #12GW - 3/4"	CORD REEL - CARPENTRY C101	R2-20
R2-21	CORD REEL - CARPENTRY C101	(2) #12 + #12GW - 3/4"	1	20 A		1.2 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"	CORD REEL - CARPENTRY C101	R2-22
R2-23	CORD REEL - CARPENTRY C101	(2) #12 + #12GW - 3/4"	1	20 A				1.2 kVA	1.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"	CORD REEL - CARPENTRY C101	R2-24
R2-25	SPARE	--	1	20 A	0.0 kVA	0.0 kVA				20 A	1	--	SPARE	R2-26
R2-27	SPARE	--	1	20 A		0.0 kVA	0.0 kVA			20 A	1	--	SPARE	R2-28
R2-29	SPARE	--	1	20 A				0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R2-30
R2-31	SPARE	--	1	20 A	0.0 kVA	0.0 kVA				20 A	1	--	SPARE	R2-32
R2-33	SPARE	--	1	20 A		0.0 kVA	0.0 kVA			20 A	1	--	SPARE	R2-34
R2-35	SPACE	--	1	--	--	--		--	--	--	1	--	SPACE	R2-36
R2-37	SPACE	--	1	--	--	--				--	1	--	SPACE	R2-38
R2-39	SPACE	--	1	--	--	--				--	1	--	SPACE	R2-40
R2-41	SPACE	--	1	--	--	--		--	--	--	1	--	SPACE	R2-42
Total Connected Load:			13.8...		4.9 kVA		3.9 kVA		5.0 kVA					
Legend:														
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS							
MOTOR -		0.0 kVA	0.00%		0.0 kVA		Total Conn. Load: 13.8 kVA							
REC -		11.8 kVA	92.44%		10.9 kVA		Total Est. Demand: 12.9 kVA							
MECHANICAL -		0.0 kVA	0.00%		0.0 kVA		Total Conn.: 38 A							
LTG -		0.0 kVA	0.00%		0.0 kVA		Total Est. Demand: 36 A							

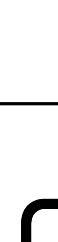
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701 HENDERSON BLVD.
FOLCROFT, PA 19032

[illegible]

**PANELBOARD
SCHEDULES**

SHEET NUMBER:
E7.5

RDP1	R1
RDP2	R2
RDP3	

Branch Panel: R3													
LOCATION: ELECTRICAL ROOM B108					VOLTAGE: 120/208 Wye					A.I.C. RATING: 14k			
SUPPLY FROM: RDP1					PHASE: 3					MAINS RATING: 200 A			
MOUNTING: Surface					WIRES: 4					MCB RATING: 200 A			
NEUTRAL RATING: 100%													
Notes:													
CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
R3-1	REC - BUILDING TRADES...	(2)#12 + #12GW - 3/4"	1	20 A	1.0 kVA	0.8 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - BUILDING TRADES...	R3-2
R3-3	REC - STORAGE B104.2	(2)#12 + #12GW - 3/4"	1	20 A		1.0 kVA	1.4 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - CLASSROOM B102.2	R3-4
R3-6	REC - CLASSROOM B102.2	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - CORRIDOR B10	R3-6
R3-7	UH-2.6 & 7	(2)#12 + #12GW - 3/4"	1	20 A	0.5 kVA	0.5 kVA			20 A	1	(2)#12 + #12GW - 3/4"	UH-3.4 & 5	R3-8
R3-9	REC - CLASSROOM B104.1	(2)#12 + #12GW - 3/4"	1	20 A		1.2 kVA	0.8 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - CLASSROOM B104.1	R3-10
R3-11	MOTOR OPERATED DOORS - GR...	(2) #12 + #12GW - 3/4"	1	20 A			0.0 kVA	0.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"	MOTOR OPERATED DOORS - GR...	R3-12
R3-13	MOTOR OPERATED DOORS - GR...	(2) #12 + #12GW - 3/4"	1	20 A	0.0 kVA	0.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"	MOTOR OPERATED DOORS - GR...	R3-14
R3-15	MOTOR OPERATED DOORS - GR...	(2) #12 + #12GW - 3/4"	1	20 A		0.0 kVA	0.0 kVA		20 A	1	(2) #12 + #12GW - 3/4"	MOTOR OPERATED DOORS - GR...	R3-16
R3-17	MOTOR - SHARED MATERIALS...	(2) #12 + #12GW - 3/4"	1	20 A			0.0 kVA	0.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"	MOTOR - SHARED MATERIALS...	R3-18
R3-19	MOTOR - SHARED MATERIALS...	(2) #12 + #12GW - 3/4"	1	20 A	0.0 kVA	1.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"	REC - EXTERIOR	R3-20
R3-21	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	R3-22
R3-23	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R3-24
R3-25	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	R3-26
R3-27	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	R3-28
R3-29	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R3-30
R3-31	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	R3-32
R3-33	SPACE	--	1	--		--	--		--	1	--	SPACE	R3-34
R3-35	SPACE	--	1	--			--	--	--	1	--	SPACE	R3-36
R3-37	SPACE	--	1	--	--	0.1 kVA				--	--	SPACE	R3-38
R3-39	SPACE	--	1	--		--	0.1 kVA		30 A	3	(4)#10 + #10GW - 3/4"	SPD	R3-40
R3-41								0.1 kVA					R3-42
Total Connected Load:			10.3...		4.1 kVA		4.5 kVA		1.7 kVA				
Legend:													
LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS			
MOTOR -				0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 10.3 kVA			
REC -				9.0 kVA		100.00%		9.0 kVA		Total Est. Demand: 10.3 kVA			
MECHANICAL -				1.0 kVA				1.0 kVA		Total Conn.: 28 A			
LTG -				0.0 kVA		0.00%		0.0 kVA		Total Est. Demand.: 28 A			

Branch Panel: R4													
LOCATION: BUILDING TRADES B106					VOLTAGE: 120/208 Wye					A.I.C. RATING: 14k			
SUPPLY FROM: RDP1					PHASE: 3					MAINS RATING: 200 A			
MOUNTING: Surface					WIRES: 4					MCB RATING: 200 A			
										NEUTRAL RATING: 100%			
Notes:													
PROVIDE SHUNT TRIP MCB.													
ALL BRANCH CIRCUIT BREAKERS IN THIS PANEL SHALL BE GFCI TYPE.													
CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
R4-1	CORD DROP - BUILDING TRADES...	(2) #12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA			20 A	1	(2)#12 + #12GW - 3/4"	DELTA BANDSAW - B106	R4-2
R4-3	CORD DROP - BUILDING TRADES...	(2) #12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA		20 A	1	(2) #12 + #12GW - 3/4"	CORD DROP- BUILDING TRADES...	R4-4
R4-5	CORD DROP - BUILDING TRADES...	(2) #12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	CHOP SAW - B106	R4-6
R4-7	SPINDLE SANDER - B106	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.1 kVA			20 A	3	(3)#12 + #12GW - 3/4"	POWERMATIC BAND SAW - B106	R4-8
R4-9	BELT SANDER - B106	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.1 kVA		20 A	3	(3)#12 + #12GW - 3/4"	POWERMATIC BAND SAW - B106	R4-10
R4-11	CORD DROP - BUILDING TRADES...	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.1 kVA	20 A	1	--	SPARE	R4-12
R4-13	DRILL PRESS - B106	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.0 kVA			20 A	1	--	SPARE	R4-14
R4-15	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	R4-16
R4-17	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R4-18
R4-19	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	R4-20
R4-21	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	R4-22
R4-23	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R4-24
R4-25	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	R4-26
R4-27	SPACE	--	1	--		--			--	1	--	SPACE	R4-28
R4-29	SPACE	--	1	--			--	--	--	1	--	SPACE	R4-30
R4-31	SPACE	--	1	--	--	--			--	1	--	SPACE	R4-32
R4-33	SPACE	--	1	--		--	--		--	1	--	SPACE	R4-34
R4-35	SPACE	--	1	--			--	--	--	1	--	SPACE	R4-36
R4-37	SPACE	--	1	--	--	--			--	1	--	SPACE	R4-38
R4-39	SPACE	--	1	--		--	--		--	1	--	SPACE	R4-40
R4-41	SPACE	--	1	--			--	--	--	1	--	SPACE	R4-42
Total Connected Load:			2.2 kVA		0.9 kVA		0.7 kVA		0.7 kVA				
Legend:													
LOAD CLASSIFICATION			CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS				
MOTOR -			0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 2.2 kVA				
REC -			2.2 kVA		100.00%		2.2 kVA		Total Est. Demand: 2.2 kVA				
MECHANICAL -			0.0 kVA		0.00%		0.0 kVA		Total Conn.: 6 A				
LTG. -			0.0 kVA		0.00%		0.0 kVA		Total Est. Demand.: 6 A				

Branch Panel: R7														
LOCATION: CORRIDOR B10.3					VOLTAGE: 120/208 Wye					A.I.C. RATING: 14k				
SUPPLY FROM: RDP2					PHASE: 3					MAINS RATING: 200 A				
MOUNTING: Surface					WIRES: 4					MCB RATING: 200 A				
										NEUTRAL RATING: 100%				
Notes:														
CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT		
R7-1	EX. PANEL S8 CIRCUIT	(2)#12 + #12GW - 3/4"	2	20 A	0.8 kVA	0.8 kVA			30 A	2	(2)#10 + #10GW - 3/4"	EX. PANEL S8 CIRCUIT	R7-2	
R7-3	EX. PANEL S8 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.8 kVA						R7-4	
R7-5	EX. PANEL S8 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA		0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL S8 CIRCUIT	R7-6	
R7-7	EX. PANEL S8 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	7.2 kVA							R7-8	
R7-9						0.8 kVA	7.2 kVA		100 A	3	(3)#1 + #8GW - 1-1/4"	EX. PANEL S8 CIRCUIT	R7-10	
R7-11	EX. PANEL S8 CIRCUIT	(3)#12 + #12GW - 3/4"	3	20 A			0.8 kVA	7.2 kVA					R7-12	
R7-13					0.8 kVA	0.1 kVA							R7-14	
R7-15	EX. PANEL S8 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.1 kVA		100 A	3	(3)#1 + #8GW - 1-1/4"	EX. PANEL S8 CIRCUIT	R7-16	
R7-17	EX. PANEL S8 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.1 kVA					R7-18	
R7-19	EX. PANEL S8 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.1 kVA							R7-20	
R7-21	EX. PANEL S8 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.1 kVA		100 A	3	(3)#1 + #8GW - 1-1/4"	EX. PANEL S8 CIRCUIT	R7-22	
R7-23	EX. PANEL S8 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.1 kVA					R7-24	
R7-25	EX. PANEL S8 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.8 kVA			20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL S8 CIRCUIT	R7-26	
R7-27	EX. PANEL S8 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.0 kVA		20 A	1	--	SPARE	R7-28	
R7-29	SPARE	--	1	20 A				0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R7-30
R7-31	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	R7-32	
R7-33	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	R7-34	
R7-35	SPACE	--	1	--			--	--	--	1	--	SPACE	R7-36	
R7-37	SPACE	--	1	--	--	--			--	1	--	SPACE	R7-38	
R7-39	REC - EAPS B103	(2)#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.8 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - EAPS B103	R7-40	
R7-41	REC - EAPS B103	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - EAPS B103	R7-42	
Total Connected Load:					39.6...	12.9 kVA	13.7 kVA	12.9 kVA						
Legend:														
LOAD CLASSIFICATION					CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS						
MOTOR -					0.0 kVA	0.00%	0.0 kVA	Total Conn. Load: 39.6 kVA						
REC -					3.2 kVA	100.00%	3.2 kVA	Total Est. Demand: 39.6 kVA						
MECHANICAL -					0.0 kVA	0.00%	0.0 kVA	Total Conn.: 110 A						
LTG -					0.0 kVA	0.00%	0.0 kVA	Total Est. Demand: 110 A						

1
2
3
4
5
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7

3/17/2025 10:59:56 AM

A B C D E F G H I J

Branch Panel: R9														
LOCATION: COLLISION B105					VOLTAGE: 120/208 Wye					A.I.C. RATING: 14k				
SUPPLY FROM: RDP2					PHASE: 3					MAINS RATING: 225 A				
MOUNTING: Surface					WIRES: 4					MCB RATING: 225 A				
NEUTRAL RATING: 100%														
Notes: PROVIDE SHUNT TRIP MCB. ALL BRANCH CIRCUIT BREAKERS IN THIS PANEL SHALL BE GFCI TYPE.														
CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT		
R9-1	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.8 kVA			20 A 1	(2#12 + #12GW - 3/4"	EX. PANEL S9 CIRCUIT	R9-2		
R9-3	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.8 kVA		20 A 1	(2#12 + #12GW - 3/4"	EX. PANEL S9 CIRCUIT	R9-4		
R9-5	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA	20 A 2	(2#12 + #12GW - 3/4"	EX. PANEL S9 CIRCUIT	R9-6		
R9-7	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	2	20 A	0.8 kVA	0.8 kVA			20 A 1	(2#12 + #12GW - 3/4"	EX. PANEL S9 CIRCUIT	R9-8		
R9-11	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	2	20 A		0.8 kVA	0.8 kVA		20 A 1	(2#12 + #12GW - 3/4"	EX. PANEL S9 CIRCUIT	R9-10		
R9-13	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	2	20 A	0.8 kVA	0.8 kVA		0.8 kVA	0.8 kVA	30 A 1	(2#10 + #10GW - 3/4"	EX. PANEL S9 CIRCUIT	R9-12	
R9-15	EX. PANEL S9 CIRCUIT	(2#6 + #10GW - 3/4"	2	50 A		2.5 kVA	0.8 kVA		20 A 3	(3#12 + #12GW - 3/4"	EX. PANEL S9 CIRCUIT	R9-14		
R9-17	EX. PANEL S9 CIRCUIT	(2#6 + #10GW - 3/4"	2	50 A			2.5 kVA	0.8 kVA				R9-16		
R9-19	EX. PANEL S9 CIRCUIT	(3#6 + #10GW - 3/4"	3	50 A	5.0 kVA	0.8 kVA			20 A 1	(2#12 + #12GW - 3/4"	EX. PANEL S9 CIRCUIT	R9-18		
R9-21	EX. PANEL S9 CIRCUIT	(3#6 + #10GW - 3/4"	3	50 A		5.0 kVA	0.8 kVA		20 A 1	(2#12 + #12GW - 3/4"	EX. PANEL S9 CIRCUIT	R9-20		
R9-23	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.1 kVA		5.0 kVA	0.8 kVA	20 A 1	(2#12 + #12GW - 3/4"	EX. PANEL S9 CIRCUIT	R9-22	
R9-25	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.1 kVA		50 A 3	(3#6 + #10GW - 3/4"	EX. PANEL S9 CIRCUIT	R9-24	
R9-27	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A				0.8 kVA	0.1 kVA			R9-26		
R9-29	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.1 kVA						R9-28		
R9-31	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.1 kVA						R9-30		
R9-33	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.1 kVA		50 A 3	(3#6 + #10GW - 3/4"	EX. PANEL S9 CIRCUIT	R9-32		
R9-35	EX. PANEL S9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A				0.8 kVA	0.1 kVA			R9-34		
R9-37	EX. PANEL S9 CIRCUIT	(3#2 + #8GW - 1-1/4"	3	90 A	7.2 kVA	0.1 kVA			90 A 3	(3#2 + #8GW - 1-1/4"	EX. PANEL S9 CIRCUIT	R9-36		
R9-39	EX. PANEL S9 CIRCUIT	(3#2 + #8GW - 1-1/4"	3	90 A		7.2 kVA	0.1 kVA					R9-38		
R9-41	EX. PANEL S9 CIRCUIT	(3#2 + #8GW - 1-1/4"	3	90 A				7.2 kVA	0.1 kVA			R9-40		
Total Connected Load:					62.2...	19.6 kVA	21.3 kVA	21.3 kVA						
Legend:														
LOAD CLASSIFICATION			CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS					
MOTOR -			0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 62.2 kVA					
REC -			0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 62.2 kVA					
MECHANICAL -			0.0 kVA		0.00%		0.0 kVA		Total Conn.: 173 A					
LTG -			0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 173 A					

Branch Panel: R11														
LOCATION: AUTO TECH LAB B101					VOLTAGE: 120/208 Wye					A.I.C. RATING: 14k				
SUPPLY FROM: RDP2					PHASE: 3					MAINS RATING: 200 A				
MOUNTING: Surface					WIRES: 4					MCB RATING: 200 A				
NEUTRAL RATING: 100%														
Notes: PROVIDE SHUNT TRIP MCB. ALL BRANCH CIRCUIT BREAKERS IN THIS PANEL SHALL BE GFCI TYPE.														
CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT		
R11-1	ALIGNMENT LIFT	(2)#10 + #10GW - 3/4"	2	30 A	2.0 kVA	2.0 kVA			30 A	2	(2)#10 + #10GW - 3/4"	TIRE BALANCER	R11-2	
R11-3						2.0 kVA	2.0 kVA						R11-4	
R11-5	TIRE BALANCER	(2)#10 + #10GW - 3/4"	2	30 A	2.0 kVA			2.0 kVA	0.4 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - AUTO TECH LAB B101	R11-6
R11-7													R11-8	
R11-9	REC - AUTO TECH LAB B101	(2) #12 + #12GW - 3/4"	1	20 A		0.4 kVA	0.4 kVA		20 A	1	(2) #12 + #12GW - 3/4"	REC - AUTO TECH LAB B101	R11-10	
R11-11	REC - AUTO TECH LAB B101	(2) #12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2) #12 + #12GW - 3/4"	REC - AUTO TECH LAB B101	R11-12	
R11-13	REC - AUTO TECH LAB B101	(2) #12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"	REC - AUTO TECH LAB B101	R11-14	
R11-15	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	R11-16	
R11-17	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R11-18	
R11-19	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	R11-20	
R11-21	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	R11-22	
R11-23	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R11-24	
R11-25	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	R11-26	
R11-27	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	R11-28	
R11-29	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R11-30	
R11-31	SPACE	--	1	--	--	--	--	--	--	1	--	SPACE	R11-32	
R11-33	SPACE	--	1	--	--	--	--	--	--	1	--	SPACE	R11-34	
R11-35	SPACE	--	1	--	--	--	--	--	--	1	--	SPACE	R11-36	
R11-37	SPACE	--	1	--	--	--	--	--	--	1	--	SPACE	R11-38	
R11-39	SPACE	--	1	--	--	--	--	--	--	1	--	SPACE	R11-40	
R11-41	SPACE	--	1	--	--	--	--	--	--	1	--	SPACE	R11-42	
Total Connected Load:			14.0...		6.4 kVA	4.8 kVA	2.8 kVA							
Legend:														
LOAD CLASSIFICATION			CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS					
MOTOR -			0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 14.0 kVA					
REC -			10.0 kVA		100.00%		10.0 kVA		Total Est. Demand: 14.0 kVA					
MECHANICAL -			0.0 kVA		0.00%		0.0 kVA		Total Conn.: 39 A					
LTG -			0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 39 A					

Branch Panel: R13														
LOCATION: MECHANICAL ROOM B107					VOLTAGE: 120/208 Wye					A.I.C. RATING: 14k				
SUPPLY FROM: TR13					PHASE: 3					MAINS RATING: 100 A				
MOUNTING: Surface					WIRES: 4					MCB RATING: 100 A				
										NEUTRAL RATING: 100%				
Notes:														
CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT		
R13-1	REC - FITNESS B114	(2)#12 + #12GW - 3/4"	1	20 A	1.0 kVA	0.2 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - WORK AREA B103.1	R13-2	
R13-3	REC - FITNESS B114	(2)#12 + #12GW - 3/4"	1	20 A		0.4 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - PRESCHOOL 3 A119	R13-4	
R13-5	REC - FITNESS B114	(2)#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	*REC - EWC	R13-6	
R13-7	ELLIPTICALS - B114	(2)#12 + #12GW - 3/4"	1	20 A	0.4 kVA	1.8 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - A12	R13-8	
R13-9	TREADMILL - B114	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	1.0 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EPO ENGINEERING LAB B110	R13-10	
R13-11	TREADMILL - B114	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	1.0 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - CORRIDOR A13	R13-12	
R13-13	TREADMILL - B114	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA			20 A	1	(2)#12 + #12GW - 3/4"	*REC - (EWC)	R13-14	
R13-15	TREADMILL - B114	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	1.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	RP-1	R13-16	
R13-17	STAIRMASTER - B114	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	1.3 kVA	20 A	1	(2)#12 + #12GW - 3/4"	HWG-1	R13-18	
R13-19	COPIER - WORK AREA B103.1	(2)#12 + #12GW - 3/4"	2	20 A	0.1 kVA	1.3 kVA			20 A	1	(2)#12 + #12GW - 3/4"	HWG-2	R13-20	
R13-21						0.1 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - WORK AREA B103.1	R13-22	
R13-23	COPIER - WORK AREA B103.1	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - WEATHERPROOF	R13-24	
R13-25	REC - MECHANICAL ROOM B107	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	1.2 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - MECHANICAL ROOM B107	R13-26	
R13-27	MECHANICAL -	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	CUH-15	R13-28	
R13-29	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R13-30	
R13-31	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	R13-32	
R13-33	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	R13-34	
R13-35	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R13-36	
R13-37	SPARE	--	1	--	--	--			--	1	--	SPACE	R13-38	
R13-39	SPARE	--	1	--		--	--		--	1	--	SPACE	R13-40	
R13-41	SPACE	--	1	--			--	--	--	1	--	SPACE	R13-42	
Total Connected Load:			14.7...		7.0 kVA	3.8 kVA	3.9 kVA							
Legend:														
LOAD CLASSIFICATION			CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS					
MOTOR -			0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 14.7 kVA					
REC -			9.2 kVA		100.00%		9.2 kVA		Total Est. Demand: 14.7 kVA					
MECHANICAL -			4.2 kVA		100.00%		4.2 kVA		Total Conn.: 14.1 A					
LTG -			0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 14.1 A					

Branch Panel: R15

LOCATION: ELECTRICAL ROOM B22.1

SUPPLY FROM: RDP3

MOUNTING: Surface

VOLTAGE: 120/208 Wye

PHASE: 3

WIRES: 4

A.I.C. RATING: 14k

MAINS RATING: 225 A

MCB RATING: 150

NEUTRAL RATING: 100%

Notes:

* VIA BLC-4.

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT		
R15-1	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-2		
R15-3	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-4		
R15-5	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-6	
R15-7	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-8		
R15-9	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-10		
R15-11	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-12	
R15-13	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-14		
R15-15	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-16		
R15-17	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-18	
R15-19	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-20		
R15-21	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-22		
R15-23	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-24	
R15-25	EX. PANEL R4 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.1 kVA						R15-26		
R15-27	* Lig. - Track at Stage Ckt 1	(2)#12 + #12GW - 3/4"	1	20 A		1.4 kVA	0.1 kVA		30 A	3	(3)#10 + #10GW - 3/4"	EX. PANEL R4 CIRCUIT	R15-28	
R15-29	* Lig. - Track at Stage Ckt 2	(2)#12 + #12GW - 3/4"	1	20 A				1.4 kVA	0.1 kVA			R15-30		
R15-31	* Lig. - Track at Stage Ckt 3	(2)#12 + #12GW - 3/4"	1	20 A	1.4 kVA	0.5 kVA						R15-32		
R15-33						0.3 kVA	0.5 kVA					R15-34		
R15-35	VRF-5.01,5.02,5.03,5.11,5.12 & 5.13	(2)#12 + #12GW - 3/4"	2	15 A				0.3 kVA	0.3 kVA	20 A	1	(2)#12 + #12GW - 3/4"	CUH-8 & CUH-9	R15-36
R15-37	VRF-5.04,5.05,5.06,5.07,5.08,5.09 & 5.10	(2)#12 + #12GW - 3/4"	2	15 A	0.2 kVA	0.9 kVA				15 A	2	(2)#12 + #12GW - 3/4"	VRF-5.14,5.15,5.16 & 5.17	R15-38
R15-39						0.2 kVA	0.9 kVA			15 A	2	(2)#12 + #12GW - 3/4"	SSCU-7	R15-40
R15-41	CUH-16 & 17	(2)#12 + #12GW - 3/4"	1	20 A				0.3 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - ROOF	R15-42
R15-43										20 A	1	(2)#12 + #12GW - 3/4"	F-15 & F-16	R15-44
R15-45	SSCU-6	(2)#12 + #12GW - 3/4"	2	15 A	0.9 kVA	0.4 kVA		0.9 kVA	0.5 kVA	20 A	1	(2)#12 + #12GW - 3/4"	F-21	R15-46
R15-47	F-20 & F-22	(2)#12 + #12GW - 3/4"	1	15 A				0.3 kVA	0.0 kVA	20 A	1	--	SPARE	R15-48
R15-49	F-5	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.0 kVA				20 A	1	--	SPARE	R15-50
R15-51	F-17,18 & 19	(2)#12 + #12GW - 3/4"	1	20 A		0.5 kVA	0.0 kVA			20 A	1	--	SPARE	R15-52
R15-53	MOTOR	(2)#12 + #12GW - 3/4"	1	20 A				0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R15-54
R15-55	REFRIG - STAFF LOUNGE B210	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.0 kVA				20 A	1	--	SPARE	R15-56
R15-57	SPARE	--	1	20 A		0.0 kVA	--		--	--	1	--	SPACE	R15-58
R15-59	SPACE	--	1	--				--	--	--	1	--	SPACE	R15-60
R15-61	SPACE	--	1	--	--	0.1 kVA								R15-62
R15-63	SPACE	--	1	--		--	0.1 kVA			30 A	3	(4)#10 + #10GW - 3/4"	SPD	R15-64
R15-65	SPACE	--	1	--				--	0.1 kVA					R15-66
		Total Connected Load:	19.3...		6.8 kVA		7.2 kVA		5.3 kVA					

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
MOTOR -	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load: 19.3 kVA
REC -	1.0 kVA	100.00%	1.0 kVA	Total Est. Demand: 19.3 kVA
MECHANICAL -	8.4 kVA	100.00%	8.4 kVA	Total Conn. Load: 53 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand: 53 A

Branch Panel: R16

LOCATION: COSMETOLOGY LAB B203

SUPPLY FROM: RDP3

MOUNTING: Recessed

VOLTAGE: 120/208 Wye

PHASE: 3

WIRES: 4

A.I.C. RATING: 14k

MAINS RATING: 100 A

MCB RATING: 100 A

NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT		
R16-1	EX. PANEL R7 CIRCUIT	(2#10 + #10GW - 3/4"	2	30 A	0.6 kVA	0.6 kVA				20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-2
R16-3						0.6 kVA	0.6 kVA			20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-4
R16-5	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A				0.6 kVA	0.6 kVA	20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-6
R16-7	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA				20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-8
R16-9	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA			20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-10
R16-11	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A				0.6 kVA	0.6 kVA	20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-12
R16-13	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA				20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-14
R16-15	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA			20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-16
R16-17	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A				0.6 kVA	0.6 kVA	20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-18
R16-19	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA				20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-20
R16-21	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA			20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-22
R16-23	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A				0.6 kVA	0.6 kVA	20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-24
R16-25	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA				20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-26
R16-27	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA			20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-28
R16-29	EX. PANEL R7 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A				0.6 kVA	0.6 kVA	20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R7 CIRCUIT	R16-30
Total Connected Load:			18.0...		6.0 kVA		6.0 kVA			6.0 kVA				

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
MOTOR -	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load: 18.0 kVA
REC -	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand: 18.0 kVA
RECHARGICAL -	0.0 kVA	0.00%	0.0 kVA	Total Conn.: 50 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand.: 50 A

Branch Panel: R17

LOCATION: STORAGE B203.1

SUPPLY FROM: RDP3

MOUNTING: Surface

VOLTAGE: 120/208 Wye

PHASE: 3

WIRES: 4

A.I.C. RATING: 14k

MAINS RATING: 125 A

MCB RATING: 125 A MLO

NEUTRAL RATING: 100%

Notes:

** = PROVIDE GFI BREAKER

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
R17-1	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R8A CIRCUIT	R17-2	
R17-3	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R8A CIRCUIT	R17-4	
R17-5	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	0.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	R17-6
R17-7	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R8A CIRCUIT	R17-8	
R17-9	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R8A CIRCUIT	R17-10	
R17-11	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	0.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	R17-12
R17-13	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R8A CIRCUIT	R17-14	
R17-15	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.6 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R8A CIRCUIT	R17-16	
R17-17	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	0.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	R17-18
R17-19	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R8A CIRCUIT	R17-20	
R17-21	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R8A CIRCUIT	R17-22	
R17-23	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	0.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	R17-24
R17-25	EX. PANEL R8A CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA		20 A	1	(2)#12 + #12GW - 3/4"	**EX. PANEL R8A CIRCUIT	R17-26	
R17-27	REC - ROOF	(2)#12 + #12GW - 3/4"	1	20 A		1.4 kVA	0.0 kVA	20 A	1	--	SPARE	R17-28	
R17-29	SPARE	--	1	20 A				0.0 kVA	0.0 kVA	0.0 kVA	**EX. PANEL R8A CIRCUIT	R17-30	
Total Connected Load:			17.0...		6.0 kVA		6.2 kVA			4.8 kVA			

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
MOTOR -	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load: 17.0 kVA
REC -	1.4 kVA	100.00%	1.4 kVA	Total Est. Demand: 17.0 kVA
MECHANICAL -	0.0 kVA	0.00%	0.0 kVA	Total Conn.: 47 A
LTG. -	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand.: 47 A

Branch Panel: R18

LOCATION: STUDENT SERVICES B207

SUPPLY FROM: RDP3

MOUNTING: Surface

VOLTAGE: 120/208 Wye

PHASE: 3

WIRES: 4

A.I.C. RATING: 14k

MANS RATING: 225 A

MCB RATING: 200 A

NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT									
R18-1	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA		20 A	1	(2#12 + #12GW - 3/4"	EX. PANEL R9 CIRCUIT	R18-2									
R18-3	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA		20 A	1	(2#12 + #12GW - 3/4"	R18-4									
R18-5	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	20 A	1	(2#12 + #12GW - 3/4"	R18-6									
R18-7	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA			20 A	1	(2#12 + #12GW - 3/4"	R18-8									
R18-9	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA		20 A	1	(2#12 + #12GW - 3/4"	R18-10									
R18-11	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	20 A	1	(2#12 + #12GW - 3/4"	R18-12									
R18-13	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA			20 A	1	(2#12 + #12GW - 3/4"	R18-14									
R18-15	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA		20 A	1	(2#12 + #12GW - 3/4"	R18-16									
R18-17	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	20 A	1	(2#12 + #12GW - 3/4"	R18-18									
R18-19	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA			20 A	1	(2#12 + #12GW - 3/4"	R18-20									
R18-21	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA		20 A	1	(2#12 + #12GW - 3/4"	R18-22									
R18-23	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	20 A	1	(2#12 + #12GW - 3/4"	R18-24									
R18-25	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA			20 A	1	(2#12 + #12GW - 3/4"	R18-26									
R18-27	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA		20 A	1	(2#12 + #12GW - 3/4"	R18-28									
R18-29	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	20 A	1	(2#12 + #12GW - 3/4"	R18-30									
R18-31	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA			20 A	1	(2#12 + #12GW - 3/4"	R18-32									
R18-33	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA		20 A	1	(2#12 + #12GW - 3/4"	R18-34									
R18-35	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	20 A	1	(2#12 + #12GW - 3/4"	R18-36									
R18-37	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA			20 A	1	(2#12 + #12GW - 3/4"	R18-38									
R18-39	EX. PANEL R9 CIRCUIT	(2#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.0 kVA		20 A	1	--	SPARE	R18-40								
R18-41	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R18-42								
Total Connected Load: 23.4...													8.4 kVA		7.8 kVA		7.2 kVA				
Legend:																					
LOAD CLASSIFICATION					CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS										
MOTOR -					0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 23.4 kVA										
REC -					0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 23.4 kVA										
MECHANICAL -					0.0 kVA		0.00%		0.0 kVA		Total Conn.: 65 A										
LTG. -					0.0 kVA		0.00%		0.0 kVA		Total Est. Demand.: 65 A										

Branch Panel: R19

LOCATION: ELEC. ROOM A22.2

SUPPLY FROM: TR19

MOUNTING: Surface

VOLTAGE: 120/208 Wye

PHASE: 3

WIRES: 4

A.I.C. RATING: 14k

MAINS RATING: 225 A

MCB RATING: 225 A

NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	P	WIRE SIZE	CIRCUIT	CKT			
R19-1	EX. PANEL R10 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R10 CIRCUIT	R19-2		
R19-3	EX. PANEL R10 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R10 CIRCUIT	R19-4		
R19-5	EX. PANEL R10 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R10 CIRCUIT	R19-6		
R19-7	EX. PANEL R10 CIRCUIT	(2)#10 + #10GW - 3/4"	2	30 A	0.1 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-8		
R19-9	EX. PANEL R10 CIRCUIT	(2)#10 + #10GW - 3/4"	2	30 A		0.1 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-10		
R19-11	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-12	
R19-13	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-14		
R19-15	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-16		
R19-17	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-18	
R19-19	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-20		
R19-21	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-22		
R19-23	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-24	
R19-25	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-26		
R19-27	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-28		
R19-29	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-30	
R19-31	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-32		
R19-33	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-34	
R19-35	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-36	
R19-37	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-38		
R19-39	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-40		
R19-41	EX. PANEL R3 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL R3 CIRCUIT	R19-42	
R19-43	ADMIN LOAD CENTER CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. ADMIN LOAD CENTER CIRCUIT	R19-44		
R19-45	ADMIN LOAD CENTER CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. ADMIN LOAD CENTER CIRCUIT	R19-46	
R19-47	ADMIN LOAD CENTER CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. ADMIN LOAD CENTER CIRCUIT	R19-48	
R19-49	EX. ADMIN LOAD CENTER CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. ADMIN LOAD CENTER CIRCUIT	R19-50		
R19-51	EX. ADMIN LOAD CENTER CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.1 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. ADMIN LOAD CENTER CIRCUIT	R19-52		
R19-53	EX. ADMIN LOAD CENTER CIRCUIT	(2)#10 + #10GW - 3/4"	2	30 A			0.1 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. ADMIN LOAD CENTER CIRCUIT	R19-54	
R19-55	REC - ROOF	(2)#12 + #12GW - 3/4"	1	20 A	1.2 kVA	0.8 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - CLASSROOM A209	R19-56		
R19-57	F-6	(2) #12 + #12GW - 3/4"	1	15 A		0.3 kVA	0.8 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - CLASSROOM A209	R19-58	
R19-59								1.7 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REFRIGERATOR - CLASSROOM...	R19-60
R19-61	SSCU-2	(2)#12 + #12GW - 3/4"	2	20 A	1.7 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REFRIGERATOR - CLASSROOM...	R19-62		
R19-63	F-4	(2)#12 + #12GW - 3/4"	1	20 A		0.3 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - ROOF	R19-64	
R19-65	F-3	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC -	R19-66	
R19-67	F-23 & F-24	(2) #12 + #12GW - 3/4"	1	15 A	0.3 kVA	0.0 kVA		20 A	1	--	SPARE	R19-68		
R19-69	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	R19-70	
R19-71	SPARE	--	1	20 A	0.0 kVA		0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R19-72	
R19-73	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	R19-74	
R19-75	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	R19-76	
R19-77	SPACE	--	1	--			--	0.0 kVA	20 A	1	--	SPARE	R19-78	
R19-79	SPACE	--	1	--	--	0.1 kVA							R19-80	
R19-81	SPACE	--	1	--		--	0.1 kVA		30 A	3	(4)#10 + #10GW - 3/4"	SPD	R19-82	
R19-83	SPACE	--	1	--			--	0.1 kVA					R19-84	
Total Connected Load:			19.4...		7.8 kVA		5.1 kVA		6.5 kVA					

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
MOTOR -	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load: 19.4 kVA
REC -	4.2 kVA	100.00%	4.2 kVA	Total Est. Demand: 19.4 kVA
MECHANICAL -	4.5 kVA	100.00%	4.5 kVA	Total Conn.: 54 A
LTG -	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand.: 54 A

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
MOTOR -	0.0 KVA	0.00%	0.0 KVA	Total Conn. Load: 19.4 KVA
REC -	4.2 KVA	100.00%	4.2 KVA	Total Est. Demand: 19.4 KVA
MECHANICAL -	4.5 KVA	100.00%	4.5 KVA	Total Conn.: 54 A
LTG. -	0.0 KVA	0.00%	0.0 KVA	Total Est. Demand.: 54 A

R15	R18
R16	R19
R17	

Branch Panel: R21

LOCATION: CARPENTRY CLASSROOM C101.1

VOLTAGE: 120/208 Wye

A.I.C. RATING: 14k

SUPPLY FROM: RDP1

PHASE: 3

MAINS RATING: 100 A

MOUNTING: Recessed

WIRES: 4

MCS RATING: 100 A

NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE		P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
R21-1	CUH-6	(2) #12 + #12GW - 3/4"		1	20 A	0.2 kVA	0.3 kVA			20 A	1	(2) #12 + #12GW - 3/4"	CUH-5 & UH-8	R21-2
R21-3	REC - CARPENTRY CLASSROOM...	(2) #12 + #12GW - 3/4"		1	20 A		0.8 kVA	1.4 kVA		20 A	1	(2) #12 + #12GW - 3/4"	REC - CARPENTRY CLASSROOM...	R21-4
R21-5	REC - LOGISTICS CLASSROOM...	(2) #12 + #12GW - 3/4"		1	20 A			0.8 kVA	1.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"	REC - LOGISTICS CLASSROOM...	R21-6
R21-7	REC - Room C11, C-3T2	(2) #12 + #12GW - 3/4"		1	20 A	1.8 kVA	1.0 kVA			20 A	1	(2) #12 + #12GW - 3/4"	REC - JANITOR C103	R21-8
R21-9	REC - Room C103, C12	(2) #12 + #12GW - 3/4"		1	20 A		0.8 kVA	1.2 kVA		20 A	1	(2) #12 + #12GW - 3/4"	REC -	R21-10
R21-11	UH-10 & UH-11	(2) #12 + #12GW - 3/4"		1	20 A			0.5 kVA	0.5 kVA	20 A	1	(2) #12 + #12GW - 3/4"	UH-9 & UH-12	R21-12
R21-13	REC - CORRIDOR C11	(2) #12 + #12GW - 3/4"		1	20 A	1.2 kVA	0.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"	CUH-17	R21-14
R21-15	CUH-16	(2) #12 + #12GW - 3/4"		1	20 A		0.2 kVA	0.2 kVA		20 A	1	(2) #12 + #12GW - 3/4"	F-1	R21-16
R21-17	FILTRATION UNIT-8	(2) #12 + #12GW - 3/4"		1	20 A			0.9 kVA	0.9 kVA	20 A	1	(2) #12 + #12GW - 3/4"	FILTRATION UNIT-9	R21-18
R21-19	FILTRATION UNIT-10	(2) #12 + #12GW - 3/4"		1	20 A	0.9 kVA	0.4 kVA			20 A	1	(2) #12 + #12GW - 3/4"	FILTRATION UNIT-11	R21-20
R21-21	EPO - LOGISTICS C102	(2) #12 + #12GW - 3/4"		1	20 A		0.5 kVA	0.5 kVA		20 A	1	(2) #12 + #12GW - 3/4"	EPO - LOGISTICS C102	R21-22
R21-23	EPO - CARPENTRY C101	(2) #12 + #12GW - 3/4"		1	20 A			0.5 kVA	0.5 kVA	20 A	1	(2) #12 + #12GW - 3/4"	EPO - CARPENTRY C101	R21-24
R21-25	UH-15	(2) #12 + #12GW - 3/4"		1	20 A	0.2 kVA	0.2 kVA			20 A	1	(2) #12 + #12GW - 3/4"	UH-14	R21-26
R21-27	MOTOR OPERATED DOORS	(2) #12 + #12GW - 3/4"		1	20 A		0.0 kVA	0.0 kVA		20 A	1	(2) #12 + #12GW - 3/4"	MOTOR OPERATED DOORS	R21-28
R21-29	SPARE	--		1	20 A	--	--	0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R21-30
R21-31	SPARE	--		1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	R21-32
R21-33	SPARE	--		1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	R21-34
R21-35	SPARE	--		1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	R21-36
R21-37	SPARE	--		1	--	--	0.1 kVA							R21-38
R21-39	SPARE	--		1	--		--	0.1 kVA		30 A	3	(4) #10 + #10GW - 3/4"	SPD	R21-40
R21-41	SPARE	--		1	--			--	0.1 kVA					R21-42
Legend:				Total Connected Load:		17.8...	6.4 kVA	5.6 kVA	5.7 kVA					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
MOTOR -	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load: 17.8 kVA
REC -	10.0 kVA	100.00%	10.0 kVA	Total Est. Demand: 17.8 kVA
MECHANICAL -	5.5 kVA	100.00%	5.5 kVA	Total Conn. Load: 49 A
LTS -	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand: 49 A

R21
R22
R23

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3/17/2025 11:00:02 AM

Branch Panel: C1														
LOCATION: ELEC. B12.5					VOLTAGE: 120/208 Wye					A.I.C. RATING: 14k				
SUPPLY FROM: TC1					PHASE: 3					MAINS RATING: 100 A				
MOUNTING: Surface					WIRES: 4					MCB RATING: 100 A				
										NEUTRAL RATING: 100%				
Notes:														
CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT		
C1-1	PRESCHOOL 5 A120	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	1.2 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - PRESCHOOL 5 A120	C1-2	
C1-3	COPIER - SERVICE COORD B103.2	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA							C1-4	
C1-5	REC - THERAPY ALLEY B109	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - THERAPY ALLEY B109	C1-6	
C1-7	REC - THERAPY ALLEY B109	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.8 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - THERAPY ALLEY B109	C1-8	
C1-9	REC - Room B109.2, B109	(2)#12 + #12GW - 3/4"	1	20 A		1.2 kVA	0.8 kVA		20 A	1	(2)#12 + #12GW - 3/4"	DEVELOPMENTAL DELAY A123	C1-10	
C1-11	REC - DEVELOPMENTAL DELAY...	(2)#12 + #12GW - 3/4"	1	20 A				0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	PRESCHOOL 3A119	C1-12
C1-13	REC - PRESCHOOL 3 A119	(2)#12 + #12GW - 3/4"	1	20 A	1.2 kVA	1.0 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - PRESCHOOL 4 A121	C1-14	
C1-15	PRESCHOOL 4 A121	(2)#12 + #12GW - 3/4"	1	20 A		0.8 kVA	0.8 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - SERVICE COORD B109.1	C1-16	
C1-17	REC - SERVICE COORD B109.1	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - SERVICE COORD B109.1	C1-18	
C1-19	REC - THERAPY ALLEY B109	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - THERAPY ALLEY B109	C1-20	
C1-21	REC - THERAPY ALLEY B109	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.1 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - THERAPY ALLEY B109	C1-22	
C1-23	SPARE	--	1	20 A				0.0 kVA	0.1 kVA	20 A	2	(2)#12 + #12GW - 3/4"	COPIER - SERVICE COORD B103.2	C1-24
C1-25	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	C1-26	
C1-27	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	C1-28	
C1-29	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	C1-30	
C1-31	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	C1-32	
C1-33	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	C1-34	
C1-35	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	C1-36	
C1-37	SPACE	--	1	--	--	0.1 kVA							C1-38	
C1-39	SPACE	--	1	--		--	0.1 kVA		30 A	3	(4)#10 + #10GW - 3/4"	SPD	C1-40	
C1-41	SPACE	--	1	--			--	0.1 kVA					C1-42	
Total Connected Load:			15.3...	6.3 kVA		4.2 kVA		4.8 kVA						
Legend:														
LOAD CLASSIFICATION			CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS					
MOTOR -			0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 15.3 kVA					
REC -			13.4 kVA		87.37%		11.7 kVA		Total Est. Demand: 13.6 kVA					
MECHANICAL -			0.0 kVA		0.00%		0.0 kVA		Total Conn.: 42 A					
LTG. -			0.0 kVA		0.00%		0.0 kVA		Total Est. Demand.: 38 A					

Branch Panel: C2													
LOCATION: ELEC A110					VOLTAGE: 120/208 Wye				A.I.C. RATING: 14k				
SUPPLY FROM: CDP1					PHASE: 3				MAINS RATING: 225 A				
MOUNTING: Surface					WIRES: 4				MCB RATING: 225 A				
									NEUTRAL RATING: 100%				
Notes:													
CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
C2-1	REC - HS ED MANAGER A112.2	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	1.0 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - HS ED SPEC A112.3	C2-2
C2-3	REC - HS ED SPEC A112.4	(2)#12 + #12GW - 3/4"	1	20 A		0.8 kVA	1.0 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - HV/FWSWS OFFICE A112.5	C2-4
C2-5	REC - Room A112.5, A112.6	(2)#12 + #12GW - 3/4"	1	20 A			1.0 kVA	0.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EQUIPMENT - HV/FWSWS OFFICE...	C2-6
C2-7	EQUIPMENT - HV/FWSWS OFFICE...	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	1.4 kVA			20 A	2	(2)#12 + #12GW - 3/4"	ICE MAKER - NUTRITION KITCHEN A103	C2-8
C2-9	REC - WORKROOM A112.7	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	1.4 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - EARLY HEADSTART 3 A111	C2-10
C2-11	REC - ECE MAIN OFFICE A112	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - OFFICE A103.1	C2-12
C2-13	FREZZER REACH-IN- NUTRITION...	(2)#12 + #12GW - 3/4"	1	20 A	1.1 kVA	0.8 kVA			20 A	1	(2)#12 + #12GW - 3/4"	EARLY HEADSTART 3 A111	C2-14
C2-15	REC - WAITING A102	(2)#12 + #12GW - 3/4"	1	20 A		0.8 kVA	1.0 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EARLY HEADSTART 3 A111	C2-16
C2-17	REC - Room A111-2, A102.2, A102.2	(2)#12 + #12GW - 3/4"	1	20 A			1.4 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - CONF. ROOM A105.2	C2-18
C2-19	REC - CONSULT A112.1	(2)#12 + #12GW - 3/4"	1	20 A	1.0 kVA	0.8 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - ROOM A113	C2-20
C2-21	REC - RECEPTION A105.1	(2)#12 + #12GW - 3/4"	1	20 A		1.0 kVA	1.0 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - Room A105.2, A203	C2-22
C2-23	REC - CONF. ROOM A105.2	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	1.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - CONF. ROOM A105.3	C2-24
C2-25	REC - CONF. ROOM A105.3	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	1.2 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - ROOM A107, A109	C2-26
C2-27	REC - EARLY HEADSTART 1 A107	(2)#12 + #12GW - 3/4"	1	20 A		0.8 kVA	1.0 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - DIAGNOSTIC A104.2	C2-28
C2-29	REC - EARLY HEADSTART 2 A109	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - OFFICES/ FSWs/ FSW A113	C2-30
C2-31	REC - OFFICES/ FSWs/ FSW A113	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	0.2 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - EWC CORRIDOR A12	C2-32
C2-33	REC - OFFICES/ FSWs/ FSW A113	(2)#12 + #12GW - 3/4"	1	20 A		1.4 kVA	1.0 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - EARLY HEADSTART 4 A114	C2-34
C2-35	REC - EARLY HEADSTART 4 A114	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - PRESCHOOL 1 A115	C2-36
C2-37	REC - EARLY HEADSTART 4 A114	(2)#12 + #12GW - 3/4"	1	20 A	0.8 kVA	1.4 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - PRESCHOOL 1 A115	C2-38
C2-39	REC - PRESCHOOL 1 A115	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - PRESCHOOL 1 A116	C2-40
C2-41	REC - PRESCHOOL 1 A116	(2)#12 + #12GW - 3/4"	1	20 A			0.8 kVA	0.8 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REFRIG. REACH-IN - NUTRITION...	C2-42
C2-43	REC - ROOM A116	(2)#12 + #12GW - 3/4"	1	20 A	1.2 kVA	1.9 kVA			20 A	1	(2)#12 + #12GW - 3/4"	HOT/HOLDING...	C2-44
C2-45	REC - MICROWAVE OVEN...	(2)#12 + #12GW - 3/4"	1	20 A		2.0 kVA	0.8 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - OFFICE A103.1	C2-46
C2-47	HOT/HOLDING...	(2)#12 + #12GW - 3/4"	1	20 A			1.9 kVA	1.2 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - DIAGNOSTIC A104.3	C2-48
C2-49	REC - OBSERVATION A104.4	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.8 kVA			20 A	1	(2)#12 + #12GW - 3/4"	REC - OBSERVATION A104.4	C2-50
C2-51	REC - DIAGNOSTIC A104.5	(2)#12 + #12GW - 3/4"	1	20 A		1.0 kVA	0.6 kVA		20 A	1	(2)#12 + #12GW - 3/4"	REC - OBSERVATION A104.6	C2-52
C2-53	REC - OBSERVATION A104.6	(2)#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	REC - OBSERVATION A104.1	C2-54
C2-55	REC - OBSERVATION A104.1	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.0 kVA			20 A	1	--	SPARE	C2-56
C2-57	REC - DIAGNOSTIC ARENA A104	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.0 kVA		20 A	1	--	SPARE	C2-58
C2-59	REC - DIAGNOSTIC ARENA A104	(2)#12 + #12GW - 3/4"	1	20 A			1.0 kVA	0.0 kVA	20 A	1	--	SPARE	C2-60
C2-61	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	C2-62
C2-63	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	C2-64
C2-65	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	C2-66
C2-67	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	--	SPARE	C2-68
C2-69	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	C2-70
C2-71	SPACE	--	1	--	--	--	--	--	--	1	--	SPACE	C2-72
C2-73	SPACE	--	1	--	--	--			--	1	--	SPACE	C2-74
C2-75	SPACE	--	1	--		--	--		--	1	--	SPACE	C2-76
C2-77	SPACE	--	1	--			--	--	--	1	--	SPACE	C2-78
C2-79	SPACE	--	1	--	--	0.1 kVA							C2-80
C2-81	SPACE	--	1	--		--	0.1 kVA		30 A	3	(4)#10 + #10GW - 3/4"	SPD	C2-82
C2-83	SPACE	--	1	--			--	0.1 kVA					C2-84
Total Connected Load:					51.0...	17.5 kVA	16.5 kVA	17.0 kVA					
Legend:													
LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS			
MOTOR -				0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 51.0 kVA			
REC -				48.7 kVA		60.27%		29.3 kVA		Total Est. Demand: 31.6 kVA			
MECHANICAL -				0.0 kVA		0.00%		0.0 kVA		Total Conn.: 142 A			
LTG -				0.0 kVA		0.00%		0.0 kVA		Total Est. Demand.: 88 A			

F										G										H										I																			
Branch Panel: C3																																																	
LOCATION: CORRIDOR A21										VOLTAGE: 120/208 Wye										A.I.C. RATING: 14k																													
SUPPLY FROM: CDP1										PHASE: 3										MAINS RATING: 100 A																													
MOUNTING: Recessed										WIRES: 4										MCB RATING: 100 A																													
																				NEUTRAL RATING: 100%																													
Notes:																																																	
CKT	CIRCUIT		WIRE SIZE		P	CB	A		B		C		CB	P	WIRE SIZE		CIRCUIT										CKT																						
C3-1	REC - HEADSTART 3 A206		(2#12 + #12GW - 3/4"		1	20 A	0.8 kVA		1.4 kVA				20 A 1		(2#12 + #12GW - 3/4"		REC - HEADSTART 3 A206										C3-2																						
C3-3	REC - HEADSTART 4 A204		(2#12 + #12GW - 3/4"		1	20 A			0.8 kVA		1.4 kVA		20 A 1		(2#12 + #12GW - 3/4"		REC - HEADSTART 4										C3-4																						
C3-5	REC - HEADSTART 5 A202		(2#12 + #12GW - 3/4"		1	20 A					0.8 kVA		1.4 kVA		20 A 1		(2#12 + #12GW - 3/4"		REC - HEADSTART 5 A202								C3-6																						
C3-7	REC - HEADSTART 11 A201		(2#12 + #12GW - 3/4"		1	20 A	0.8 kVA		1.4 kVA						20 A 1		(2#12 + #12GW - 3/4"		REC - HEADSTART 11 A201								C3-8																						
C3-9	REC - HEADSTART 10 A203		(2#12 + #12GW - 3/4"		1	20 A			0.8 kVA		1.4 kVA				20 A 1		(2#12 + #12GW - 3/4"		REC - HEADSTART 10 A203								C3-10																						
C3-11	REC - HEADSTART 9 A205		(2#12 + #12GW - 3/4"		1	20 A	0.8 kVA		0.8 kVA				0.8 kVA		1.2 kVA		20 A 1		(2#12 + #12GW - 3/4"		REC - HEADSTART 9 A205						C3-12																						
C3-13	REC - HS GROSS MOTOR A207		(2#12 + #12GW - 3/4"		1	20 A	0.8 kVA		0.8 kVA								20 A 1		(2#12 + #12GW - 3/4"		REC - HS GROSS MOTOR A207						C3-14																						
C3-15	EWC		(2#12 + #12GW - 3/4"		1	20 A			0.2 kVA		0.8 kVA						20 A 1		(2#12 + #12GW - 3/4"		REC -						C3-16																						
C3-17	SPARE		--		1	20 A							0.0 kVA		0.0 kVA		20 A 1		--		SPARE						C3-18																						
C3-19	SPARE		--		1	20 A	0.0 kVA		0.0 kVA								20 A 1		--		SPARE						C3-20																						
C3-21	SPARE		--		1	20 A			0.0 kVA		0.0 kVA						20 A 1		--		SPARE						C3-22																						
C3-23	SPARE		--		1	20 A							0.0 kVA		0.0 kVA		20 A 1		--		SPARE						C3-24																						
C3-25	SPACE		--		1	--	--		0.1 kVA																		C3-26																						
C3-27	SPACE		--		1	--			--		0.1 kVA						30 A 3		(4)#10 + #10GW - 3/4"		SPD						C3-28																						
C3-29	SPACE		--		1	--							--		0.1 kVA												C3-30																						
					Total Connected Load: 15.9 kVA					6.1 kVA					5.5 kVA					4.3 kVA																													
Legend:																																																	
LOAD CLASSIFICATION										CONNECTED LOAD										DEMAND FACTOR										ESTIMATED DEMAND										PANELBOARD TOTALS									
MOTOR -										0.0 kVA										0.00%										0.0 kVA										Total Conn. Load: 15.9 kVA									
REC -										13.2 kVA										87.88%										11.6 kVA										Total Est. Demand: 14.3 kVA									
MECHANICAL -										0.0 kVA										0.00%										0.0 kVA										Total Conn.: 44 A									
LTG -										0.0 kVA										0.00%										0.0 kVA										Total Est. Demand.: 40 A									

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1

Branch Panel: K1													
LOCATION: KITCHEN B208					VOLTAGE: 120/208 Wye					A.I.C. RATING: 14k			
SUPPLY FROM: TK					PHASE: 3					MAINS RATING: 100 A			
MOUNTING: Recessed					WIRES: 4					MCB RATING: 100 A			
										NEUTRAL RATING: 100%			
Notes:													
ALL BRANCH CIRCUIT BREAKERS IN THIS PANEL SHALL BE GFCI TYPE.													
CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
K1-1	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA			20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-2
K1-3	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-4
K1-5	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-6
K1-7	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA			20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-8
K1-9	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	2	20 A		0.6 kVA	0.6 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-10
K1-11	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	2	20 A			0.6 kVA	0.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-12
K1-13	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA			20 A	2	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-14
K1-15	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA		20 A	2	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-16
K1-17	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	20 A	2	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-18
K1-19	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA			20 A	2	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-20
K1-21	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA		30 A	2	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-22
K1-23	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	30 A	2	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-24
K1-25	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA			30 A	2	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-26
K1-27	EX. PANEL K5 CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA		30 A	2	(2)#12 + #12GW - 3/4"	EX. PANEL K5 CIRCUIT	K1-28
K1-29	EX. PANEL K5 CIRCUIT	(2)#10 + #10GW - 3/4"	1	30 A			0.6 kVA	0.0 kVA	20 A	1	--	SPARE	K1-30
Total Connected Load:			17.4...	6.0 kVA		6.0 kVA		5.4 kVA					
Legend:													
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS					
MOTOR -		0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 17.4 kVA					
REC -		0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 17.4 kVA					
MECHANICAL -		0.0 kVA		0.00%		0.0 kVA		Total Conn.: 48 A					
LTG. -		0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 48 A					

Branch Panel: K3

LOCATION: STORAGE B21.2

SUPPLY FROM: TK

MOUNTING: Surface

VOLTAGE: 120/208 Wye

PHASE: 3

WIRES: 4

A.I.C. RATING: 14k

MAINS RATING: 100 A

MCB RATING: 100 A

NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
K3-1	EX. K5 LOAD CENTER CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.6 kVA			20 A	1	(2)#12 + #12GW - 3/4"	EX. K5 LOAD CENTER CIRCUIT	K3-2
K3-3	EX. K5 LOAD CENTER CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A		0.6 kVA	0.6 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. K5 LOAD CENTER CIRCUIT	K3-4
K3-5	EX. K4 LOAD CENTER CIRCUIT	(2)#12 + #12GW - 3/4"	1	20 A			0.6 kVA	0.6 kVA	20 A	1	(2)#12 + #12GW - 3/4"	EX. K4 LOAD CENTER CIRCUIT	K3-6
K3-7	EX. K4 LOAD CENTER CIRCUIT	(2)#10 + #10GW - 3/4"	2	30 A	0.6 kVA	0.6 kVA			20 A	1	(2)#12 + #12GW - 3/4"	EX. K4 LOAD CENTER CIRCUIT	K3-8
K3-9	EX. K4 LOAD CENTER CIRCUIT	(2)#10 + #10GW - 3/4"	2	30 A		0.6 kVA	0.6 kVA		20 A	1	(2)#12 + #12GW - 3/4"	EX. K4 LOAD CENTER CIRCUIT	K3-10
K3-11	CUH-7	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	0.6 kVA	30 A	3	(3)#10 + #10GW - 3/4"	EX. K4 LOAD CENTER CIRCUIT	K3-12
K3-13	SPARE	--	1	20 A	0.0 kVA	0.6 kVA			30 A	3	(3)#10 + #10GW - 3/4"	EX. K4 LOAD CENTER CIRCUIT	K3-14
K3-15	SPARE	--	1	20 A		0.0 kVA	0.6 kVA				--	SPARE	K3-16
K3-17	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	K3-18
K3-19	SPARE	--	1	20 A	0.0 kVA	--			--	1	--	SPACE	K3-20
K3-21	SPACE	--	1	--	--	--	--	--	--	1	--	SPACE	K3-22
K3-23	SPACE	--	1	--	--	--	--	--	--	1	--	SPACE	K3-24
Total Connected Load:					8.0 kVA	3.0 kVA		3.0 kVA		2.0 kVA			
Legend:													
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS					
MOTOR -		0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 8.0 kVA					
REC -		0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 8.0 kVA					
MECHANICAL -		0.2 kVA		100.00%		0.2 kVA		Total Conn.: 22 A					
LTG. -		0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 22 A					

Branch Panel: K2													
LOCATION: KITCHEN B208					VOLTAGE: 480/277 Wye					A.I.C. RATING: 42K			
SUPPLY FROM: SWBD-1					PHASE: 3					MAINS RATING: 225 A			
MOUNTING: Recessed					WIRES: 4					MCB RATING: 225 A			
										NEUTRAL RATING: 100%			
Notes: ALL BRANCH CIRCUIT BREAKERS IN THIS PANEL SHALL BE GFCl TYPE.													
CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
K2-1	PARKING LOT LIGHTS	(2)#12 + #10GW - 3/4"	2	20 A	0.0 kVA	0.6 kVA			20 A	3	(3)#12 + #12GW - 3/4"	EX. PANEL K4 CIRCUIT	K2-2
K2-3						0.0 kVA	0.6 kVA						
K2-5	SPARE	--	1	20 A			0.0 kVA	0.6 kVA					K2-6
K2-7	EX. PANEL K4 CIRCUIT	(3)#12 + #12GW - 3/4"	3	20 A	0.6 kVA	0.6 kVA			20 A	3	(3)#12 + #12GW - 3/4"	EX. PANEL K4 CIRCUIT	K2-8
K2-9						0.6 kVA	0.6 kVA						
K2-11	EX. PANEL K4 CIRCUIT	(3)#12 + #12GW - 3/4"	3	20 A	0.6 kVA	0.6 kVA			20 A	3	(3)#12 + #12GW - 3/4"	EX. PANEL K4 CIRCUIT	K2-12
K2-13						0.6 kVA	0.6 kVA						
K2-15	EX. PANEL K4 CIRCUIT	(3)#10 + #10GW - 3/4"	3	25 A		0.6 kVA	0.6 kVA		30 A	3	(3)#10 + #10GW - 3/4"	EX. PANEL K4 CIRCUIT	K2-16
K2-17							0.6 kVA	0.6 kVA					
K2-19	EX. PANEL K4 CIRCUIT	(3)#8 + #10GW - 3/4"	3	40 A	0.8 kVA	0.8 kVA			50 A	3	(3)#6 + #10GW - 1"	EX. PANEL K4 CIRCUIT	K2-20
K2-21						0.8 kVA	0.8 kVA						
K2-23	EX. PANEL K4 CIRCUIT	(3)#8 + #10GW - 3/4"	3	40 A	0.8 kVA	1.6 kVA			50 A	3	(3)#6 + #10GW - 1"	EX. PANEL K4 CIRCUIT	K2-24
K2-25						0.8 kVA	1.6 kVA						
K2-27	EX. PANEL K4 CIRCUIT	(3)#6 + #10GW - 1"	3	50 A		0.8 kVA	1.6 kVA		90 A	3	(3)#2 + #8GW - 1-1/4"	EX. PANEL K4 CIRCUIT	K2-28
K2-29						0.8 kVA	1.6 kVA						
Total Connected Load:					21.0...	7.0 kVA		7.0 kVA		7.0 kVA			
Legend:													
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS					
MOTOR -		0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 21.0 kVA					
REC -		0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 21.0 kVA					
MECHANICAL -		0.0 kVA		0.00%		0.0 kVA		Total Conn.: 25 A					
LTG. -		0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 25 A					

Branch Panel:

Fused Panel: E1L1

LOCATION: ELECTRICAL ROOM B108

SUPPLY FROM: ATS-1

MOUNTING: Surface

VOLTAGE: 480/277 Vye

PHASE: 3

WIRES: 4

A.I.C. RATING: 42K

MAINS RATING: 125 A

MCB RATING: 125 A

NEUTRAL RATING: 100%

Notes:

* VIA BLC-1. ** PROVIDE LOCK CLIP ON BREAKER.

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT
E1L1-1	eLTg - Area B4 - 1st Flr - Labs	(2) #12 + #12GW - 3/4"	1	20 A	1.8 kVA	0.2 kVA		20 A 1		(2) #12 + #12GW - 3/4"	** Exit Signage - Areas B3, B4, C-4rl 1	E1L1-2
E1L1-3	eLTg - Area B3 - 1st Flr - Labs	(2) #12 + #12GW - 3/4"	1	20 A		2.6 kVA	1.5 kVA	20 A 1		(2) #12 + #12GW - 3/4"	eLTg - Area C - 1st Flr - Labs	E1L1-4
E1L1-5	* eLTg - Area B3/B4/C Bldg. Facade	(2) #12 + #12GW - 3/4"	1	20 A			0.1 kVA	0.4 kVA	20 A 1	(2) #12 + #12GW - 3/4"	* eLTg - Area C - 1st Flr - Corridor	E1L1-6
E1L1-7	BLC System Power	(2) #12 + #12GW - 3/4"	1	20 A	0.0 kVA	0.4 kVA			20 A 1	(2) #12 + #12GW - 3/4"	eLTg - Electrical Room B108	E1L1-8
E1L1-9	eLTG - Area C - Stairtowers	(2) #12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.0 kVA	20 A 1	--	--	SPARE	E1L1-10
E1L1-11	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A 1	--	SPARE	E1L1-12
E1L1-13	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A 1	--	SPARE	E1L1-14
E1L1-15	SPARE	--	1	20 A		0.0 kVA	0.0 kVA	20 A 1	--	--	SPARE	E1L1-16
E1L1-17	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A 1	--	SPARE	E1L1-18
E1L1-19	SPACE	--	1	--	--	3.5 kVA						E1L1-20
E1L1-21	SPACE	--	1	--		--	2.9 kVA		60 A 3	(4) #14 + #10GW - 1-1/4"	PANEL E1L3	E1L1-22
E1L1-23	SPACE	--	1	--				--	1.9 kVA			E1L1-24
E1L1-25					6.9 kVA	0.1 kVA						E1L1-26
E1L1-27	PANEL E1L2	(4) #14 + #10GW - 1-1/4"	3	100 A		3.3 kVA	0.1 kVA	30 A 3		(4) #10 + #10GW - 3/4"	SPD	E1L1-28
E1L1-29								4.9 kVA	0.1 kVA			E1L1-30
Total Connected Load:				30.8..	12.9 kVA	10.6 kVA	7.4 kVA					

Legend:

LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS	
MOTOR -				0.0 kVA		0.00%		0.0 kVA		Total Conn. Demand: 30.8 kVA	
REC -				0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 30.8 kVA	
MECHANICAL -				0.0 kVA		0.00%		0.0 kVA		Total Conn.: 37 A	
LTG -				17.8 kVA		100.00%		17.8 kVA		Total Est. Demand.: 37 A	

Fused Panel: E1L3

LOCATION: ELEC A110

SUPPLY FROM: E1L1

MOUNTING: Surface

VOLTAGE: 480/277 Wye

PHASE: 3

WIRES: 4

A.I.C. RATING: 24k

MAINS RATING: 60 A

MCB RATING: 60 A

NEUTRAL RATING: 100%

Notes:

* VIA BLC-3. ** PROVIDE LOCK CLIP ON BREAKER.

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
E1L3-1	eLtg. - Area A - Elec. IDF - 1/2/3 Firs	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	1.9 kVA		20 A	1	(2)#12 + #12GW - 3/4"	eLtg. - Area A - 1st Flr - Classrooms	E1L3-2	
E1L3-3	*eLtg. - Area A - Corridors - 1/2/3 Firs	(2)#12 + #12GW - 3/4"	1	20 A		1.1 kVA	1.0 kVA		20 A	1	(2)#12 + #12GW - 3/4"	eLtg. - Area A - 2nd Flr - Classrooms	E1L3-4
E1L3-5	eLtg. - Elevator Shaft	(2)#12 + #12GW - 3/4"	1	20 A			0.2 kVA	1.5 kVA	20 A	1	(2)#12 + #12GW - 3/4"	eLtg. - Area A - 3rd Flr - Classrooms	E1L3-6
E1L3-7	BLC-3 System Power	(2)#12 + #12GW - 3/4"	1	20 A	0.1 kVA	0.7 kVA			20 A	1	(2)#12 + #12GW - 3/4"	eLtg. - Area A - Star Towers	E1L3-9
E1L3-9	*eLtg. - Area A - Bldg Facade	(2)#12 + #12GW - 3/4"	1	20 A		0.4 kVA	0.1 kVA		20 A	1	(2)#12 + #12GW - 3/4"	** Exit Signage - Area A	E1L3-10
E1L3-11	eLtg. - EMR	(2)#12 + #12GW - 3/4"	1	20 A				0.0 kVA	0.0 kVA	20 A	1	SPARE	E1L3-12
E1L3-13	SPARE	--	1	20 A	0.0 kVA	0.0 kVA			20 A	1	SPARE	E1L3-14	
E1L3-15	SPARE	--	1	20 A		0.0 kVA	--		--	1	SPARE	E1L3-16	
E1L3-17	SPARE	--	1	20 A			0.0 kVA	--	--	1	SPARE	E1L3-18	
E1L3-19					0.5 kVA	0.1 kVA						E1L3-20	
E1L3-21	PANEL E1R2 (VIA XFMR TE1R2)	REFER TO XFMR SCHEDULE	3	30 A		0.3 kVA	0.1 kVA		30 A	3	(4)#10 + #10GW - 3/4"	SPD	E1L3-22
E1L3-23								0.1 kVA	0.1 kVA				E1L3-24
Total Connected Load:					8.4 kVA	3.5 kVA	2.9 kVA	1.9 kVA					

Legend:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANELBOARD TOTALS
MOTOR -	0.0 kVA	0.00%	0.0 kVA	Total Conn. Load: 8.4 kVA
REC -	0.0 kVA	0.00%	0.0 kVA	Total Est. Demand: 8.4 kVA
MECHANICAL -	0.0 kVA	0.00%	0.0 kVA	Total Conn.: 10 A
LTG. -	7.0 kVA	100.00%	7.0 kVA	Total Est. Demand: 10 A

Fused Panel: E1R1

LOCATION: MECHANICAL ROOM B107

SUPPLY FROM: TE1R1

MOUNTING: Surface

VOLTAGE: 120/208 Vye

PHASE: 3

WIRES: 4

A.I.C. RATING: 14k

MAINS RATING: 60 A

MCB RATING: 60 A

NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE		P	CB	A	B		C	CB	P	WIRE SIZE	CIRCUIT	CKT	
E1R1-1	NAC/AMP - DATA ROOM B12.4	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA				20 A	1	(2)#12 + #12GW - 3/4"	NAC/AMP - DATA ROOM B12.4	E1R1-2	
E1R1-3	NAC/AMP - DATA ROOM B12.4	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.2 kVA			20 A	1	(2)#12 + #12GW - 3/4"	NAC/AMP- IDF B224.2	E1R1-4	
E1R1-5	NAC/AMP- IDF MEZZANINE	(2)#12 + #12GW -3/4"	1	20 A					0.2 kVA	0.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"	ELEVATOR DISCONNECT	E1R1-6
E1R1-7	ELEVATOR DISCONNECT	(2) #12 + #12GW - 3/4"	1	20 A	0.0 kVA	0.0 kVA				20 A	1	--	SPARE	E1R1-8	
E1R1-9	SPARE	--	1	20 A			0.0 kVA	0.0 kVA		20 A	1	--	SPARE	E1R1-10	
E1R1-11	SPARE	--	1	20 A					0.0 kVA	0.0 kVA	20 A	1	--	SPARE	E1R1-12
E1R1-13	SPARE	--	1	20 A	0.0 kVA	0.1 kVA									E1R1-14
E1R1-15	SPACE	--	1	--		--	0.1 kVA			30 A	3	(4)#10 + #10GW - 3/4"	SPD	E1R1-16	
E1R1-17	SPACE	--	1	--					0.1 kVA						E1R1-18
Total Connected Load: 1.3 kVA 0.5 kVA 0.5 kVA 0.3 kVA															
Legend:															

Fused Panel: E1L2

LOCATION: MECHANICAL ROOM B107

VOLTAGE: 480/277 Vye

A.I.C. RATING: 24k

SUPPLY FROM: E1L1

PHASE: 3

MAINS RATING: 100 A

MOUNTING: Surface

WIRES: 4

MCB RATING: 100 A

NEUTRAL RATING: 100%

Notes:

VIA BLC-2. ** PROVIDE LOCK CLIP ON BREAKER.

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
E1L2-1	eUtg. - Area A2/B2 - 1st Fir - Classrms	(2)#12 + #12GW - 3/4"	1	20 A	1.1 kVA	0.7 kVA			20 A	1	(2)#12 + #12GW - 3/4"	eUtg. - Area B2 1st Fir - Elec/Mech	E1L2-2
E1L2-3	* eUtg. - Area A2/B2 - 1st Fir - Corridor	(2)#12 + #12GW - 3/4"	1	20 A		0.4 kVA	0.1 kVA		20 A	1	(2)#12 + #12GW - 3/4"	* Exit Signage Area A2, B2	E1L2-4
E1L2-5	* eUtg. - Bldg. Facade	(2)#12 + #12GW - 3/4"	1	20 A			1.5 kVA	0.5 kVA	20 A	1	(2)#12 + #12GW - 3/4"	* eUtg. - Area B3 Corridors	E1L2-6
E1L2-7	BLC-2 System Power	(2)#12 + #12GW - 3/4"	1	20 A	0.1 kVA	0.3 kVA			20 A	1	(2)#12 + #12GW - 3/4"	eUtg. - Stair Tower B-ST1	E1L2-8
E1L2-9	SPARE	--	1	20 A		0.0 kVA	0.0 kVA		20 A	1	--	SPARE	E1L2-10
E1L2-11	SPARE	--	1	20 A				0.0 kVA	0.0 kVA	20 A	1	SPARE	E1L2-12
E1L2-13	SPARE	--	1	20 A	0.0 kVA	0.5 kVA				30 A	3	REFER TO XFMR SCHEDULE	E1L2-14
E1L2-15	SPACE	--	1	--		--	0.5 kVA					PANEL E1R1 (VIA XFMR TE1R1)	E1L2-16
E1L2-17	SPACE	--	1	--			--	0.3 kVA					E1L2-18
E1L2-19					4.1 kVA	0.1 kVA							E1L2-20
E1L2-21	PANEL E1L4	(4)#4 + #10GW - 1-1/4"	3	60 A		2.2 kVA	0.1 kVA		30 A	3	(4)#10 + #10GW - 3/4"	SPD	E1L2-22
E1L2-23								2.6 kVA	0.1 kVA				E1L2-24
Total Connected Load:			15.1...		6.9 kVA		3.3 kVA		4.9 kVA				
Legend:													
LOAD CLASSIFICATION				CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS			
MOTOR -				0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 15.1 kVA			
REC -				0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 15.1 kVA			
MECHANICAL -				0.0 kVA		0.00%		0.0 kVA		Total Conn.: 16 A			
LTG. -				9.0 kVA		100.00%		9.0 kVA		Total Est. Demand.: 16 A			

Fused Panel: E1L4

LOCATION: ELECTRICAL ROOM B22.1

SUPPLY FROM: E1L2

MOUNTING: Surface

VOLTAGE: 480/277 Wye

PHASE: 3

WIRES: 4

A.I.C. RATING: 24k

MAINS RATING: 60 A

MCR RATING: 60 A

NEUTRAL RATING: 100%

Notes:

* VIA BLC-4. ** PROVIDE LOCK CLIP ON BREAKER. *** 0-10v. WIRING REQUIRED.

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B		C	CB	P	WIRE SIZE	CIRCUIT	CKT		
E1L4-1	* eLtg. - Area B - 2nd Flr - Corridor	(2#12 + #12GW - 3/4"	1	20 A	1.7 kVA	1.5 kVA			20 A	1	(2#12 + #12GW - 3/4"	eLtg. - Area A1 - 2nd Flr - Admin	E1L4-2		
E1L4-3	* eLtg. - Area A2 - 2nd Flr - Corridors	(2#12 + #12GW - 3/4"	1	20 A			0.3 kVA	0.4 kVA	20 A	1	(2#12 + #12GW - 3/4"	eLtg. - Area A1 - 2nd Flr - Classrooms	E1L4-4		
E1L4-5	eLtg. - Area B - 2nd Flr - Classrooms	(2#12 + #12GW - 3/4"	1	20 A					0.8 kVA	1.6 kVA	20 A	1	eLtg. - Cafeteria/Kitchen Areas	E1L4-6	
E1L4-7	eLtg. - Elevator Shaft	(2#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA					20 A	1	(2#12 + #12GW - 3/4"	eLtg. - Area C - Stair Towers	E1L4-9
E1L4-9	* eLtg. - Area C - 2nd Flr - Corridor	(2#12 + #12GW - 3/4"	1	20 A			1.4 kVA	0.1 kVA	20 A	1	(2#12 + #12GW - 3/4"	** Exit Signage Lvl 2 Areas B1/B2/C1	E1L4-10		
E1L4-11	BLC-4 System Power	(2#12 + #12GW - 3/4"	1	20 A					0.1 kVA	0.0 kVA	20 A	1	(2#12 + #12GW - 3/4"	*** eLtg. - Building Facade	E1L4-12
E1L4-13	*** eLtg. - Entry Canopy	(2#12 + #12GW - 3/4"	1	20 A	0.6 kVA	0.1 kVA					20 A	1	(2#12 + #12GW - 3/4"	eLtg. - EMR	E1L4-14
E1L4-15	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE		E1L4-16	
E1L4-17	SPARE	--	1	20 A				0.0 kVA	0.0 kVA	20 A	1	--	SPARE		E1L4-18
E1L4-19	SPACE	--	1	--	--	0.1 kVA									E1L4-20
E1L4-21	SPACE	--	1	--			--	0.1 kVA			30 A	3	(4#10 + #10GW - 3/4"	SPD	E1L4-22
E1L4-23	SPACE	--	1	--					--	0.1 kVA					E1L4-24
		Total Connected Load: 8.9 kVA			4.1 kVA		2.2 kVA		2.6 kVA						
Legend:															
LOAD CLASSIFICATION					CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS				
MOTOR -					0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 8.9 kVA				
REC -					0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 8.9 kVA				
MECHANICAL -					0.0 kVA		0.00%		0.0 kVA		Total Conn.: 11 A				
LTG. -					6.3 kVA		100.00%		6.3 kVA		Total Est. Demand: 11 A				

Fused Panel: E1R2

LOCATION: ELEC A110
SUPPLY FROM: TE1R2
MOUNTING: Surface

VOLTAGE: 120/208 Vye
PHASE: 3
WIRES: 4

A.I.C. RATING: 14k
MAINS RATING: 60 A
MCB RATING: 60 A
NEUTRAL RATING: 100%

Notes:

CKT	CIRCUIT	WIRE SIZE	P	CB	A	B	C	CB	P	WIRE SIZE	CIRCUIT	CKT	
E1R2-1	NAC/AMP - IDF A108	(2)#12 + #12GW - 3/4"	1	20 A	0.2 kVA	0.2 kVA		20 A	1	(2) #12 + #12GW - 3/4"	NAC/AMP - DATA ROOM A217.1	E1R2-2	
E1R2-3	NAC/AMP - IDF - A31.2	(2)#12 + #12GW - 3/4"	1	20 A		0.2 kVA	0.0 kVA	20 A	1	(2) #12 + #12GW - 3/4"	ELEVATOR DISCONNECT	E1R2-4	
E1R2-5	ELEVATOR DISCONNECT	(2) #12 + #12GW - 3/4"	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	E1R2-6
E1R2-7	SPARE	--	1	20 A	0.0 kVA	0.0 kVA		20 A	1	--	SPARE	E1R2-8	
E1R2-9	SPARE	--	1	20 A		0.0 kVA	0.0 kVA	20 A	1	--	SPARE	E1R2-10	
E1R2-11	SPARE	--	1	20 A			0.0 kVA	0.0 kVA	20 A	1	--	SPARE	E1R2-12
E1R2-13	SPACE	--	1	--	--	0.1 kVA						E1R2-14	
E1R2-15	SPACE	--	1	--		--	0.1 kVA					E1R2-16	
E1R2-17	SPACE	--	1	--			--	0.1 kVA				E1R2-18	
Total Connected Load:			0.9 kVA		0.5 kVA	0.3 kVA	0.1 kVA						
Legend:													
LOAD CLASSIFICATION			CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANELBOARD TOTALS				
MOTOR -			0.0 kVA		0.00%		0.0 kVA		Total Conn. Load: 0.9 kVA				
REC -			0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 0.9 kVA				
MECHANICAL -			0.0 kVA		0.00%		0.0 kVA		Total Conn.: 2 A				
LTG. -			0.0 kVA		0.00%		0.0 kVA		Total Est. Demand: 2 A				

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Empowering Partnerships For Education

ADDITIONS AND RENOVATIONS TO THE
FOLCROFT TECHNICAL SCHOOL
DELAWARE COUNTY
INTERMEDIATE UNIT
7701 HENDERSON BLVD.
FOLCROFT, PA 19032

[illegible]

**PANELBOARD
SCHEDULES**

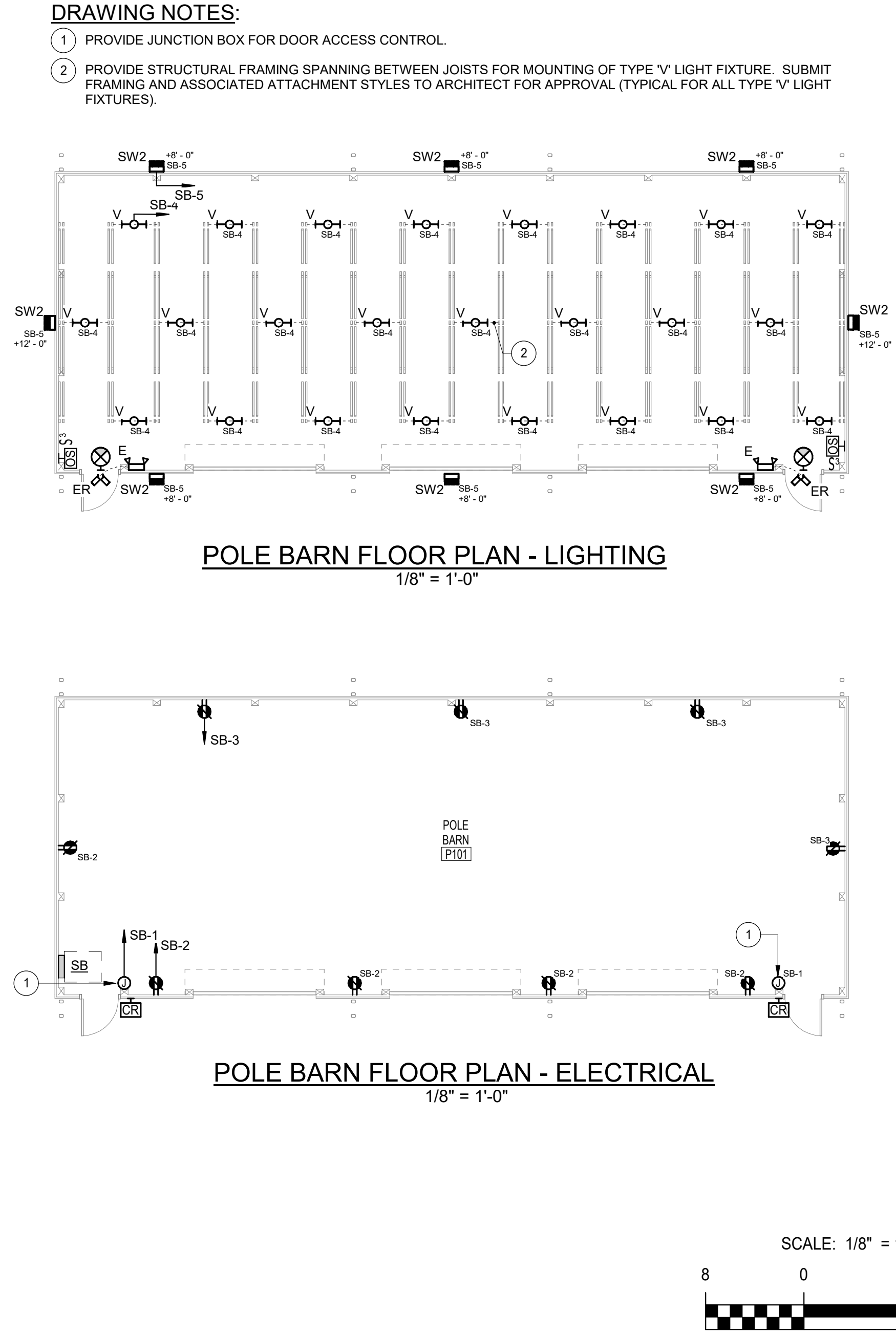
SHEET NUMBER:

E7.12

BID SET

[illegible]

LIGHTING FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MANUFACTURER	MODEL	LAMPS	MAX. ALLOCATED WATTAGE	VOLTS	MOUNTING	REMARKS	
E	THERMOPLASTIC STYLE EMERGENCY BATTERY UNIT WITH INTEGRAL BATTERY (ADDITIONAL CAPACITY TO POWER TWO REMOTE HEAD, LVCO, TEST SWITCH, TWO FULLY ADJUSTABLE LED HEADS (300lms EACH), UL924 LISTED AND WHITE FINISH.	EVENLITE	TEBL5W SERIES	LED, 300lms EACH	6.0 W	120 V	WALL, SURFACE AT 8'-0" A.F.F.		
ER	WEATHERPROOF REMOTE EMERGENCY DUAL HEAD WITH DIE CAST ALUM. HOUSING, SEALED/GASKETED AND BLACK FINISH. POWERED VIA TYPE E LIGHT FIXTURE.	EVENLITE	PRWVLED.2.MV.B SERIES	LED	0.0 W		WALL, SURFACE. OVER DOOR AT ~8'-0" A.F.G.		
SW2	NOMINAL 12"X x 6"X 6" WALL PACK STYLE LED LUMINAIRE WITH TYPE 2 DISTRIBUTION, 80+ CRI MIN., INTEGRAL 0-10V DIMMING DRIVER, DIE-CAST ALUM. CONSTRUCTION, IP65 MIN. RATED, VANDAL RESISTANT FULL CUTOFF SILICONE MICRO OPTICS, 1-U0-G1 MAXIMUM BUG RATING, 20ka SURGE PROTECTION, DARK SKY RATED, IK10 IMPACT RATING AND FINISH PER ARCHITECT.	NLS LIGHTING	NV-W.72.16L.40.40K.UNV.WM.[finish]x.20Ka SERIES	LED, 4000k, ~2700lms	21.0 W	120 V	WALL, SURFACE AT ~8'-0" A.F.G. OR ~12'-0" A.F.G. ALL MOUNTING HEIGHTS AND LOCATIONS SHALL BE VERIFIED WITH ARCHITECT PRIOR TO ROUGH-IN.		
V	NOMINAL 4"X x 3"X 2" VAPOR BARRIER INDUSTRIAL STYLE LED LUMINAIRE WITH FULLY GASKETED POLYCARBONATE HOUSING, (HIGH IMPACT RESISTANT), STAINLESS STEEL HARDWARE, INTEGRAL DRIVER, 80+ CRI MIN., IMPACT RESISTANT POLYCARBONATE LENSING (FROSTED), IP65 RATED, UL LISTED FOR WET LOCATIONS AND MIN. 40degF to 104degF OPERATING TEMPERATURE.	ILP	VVT72.3L.U.40.FRL SERIES	LED, 4000k, ~3000lms	24.0 W	120 V	SURFACE TO STRUCTURAL FRAMING		
XP	THERMOPLASTIC STYLE EMERGENCY BATTERY UNIT WITH INTEGRAL BATTERY, FIELD SELECTABLE VOLTAGE, DAMP LOCATION LISTED, UL924 LISTED, BLACK FINISH AND COLOR OF LETTERS PER AHJ.	LIFE SAFETY SYSTEMS	LSX2.X.B SERIES	LED	5.0 W	120 V	WALL, SURFACE AT 7'-6" A.F.F. OR ABOVE DOOR		



	A	B
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SCALE: 1" = 40'-0"