



DFCM SOLICITATION ADDENDUM COVER PAGE

DFCM Addendum No.#1

Date: January 22, 2024
To: Pre-Qualified General Contractors
From: Lee Hutchings – DFCM Project Manager
Reference: Rampton 1st and 3rd Floor Remodel
Department of Public Safety
DFCM Project 24371550

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Total Pages:	21
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Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

- 1.1 Schedule Changes:** There are no project schedule changes.
- 1.2 General Items:** A/E Addendum No. 1 - Dated 1/22/2024



1/22/2024

Project:

Calvin Rampton Building Level 01 & 03 DPS Remodel

DFCM PROJECT #: 24371550

Addendum #01

The data included herein is issued by the Architect as a clarification and addition to drawings, specifications, and contract documents relative to the above project. Except as effected by data herein, all other parts of the Contract Documents shall remain in full force and effect as issued by the Owner, **11/30/2023** (This Date Applies to all Project Bid Documents). It shall be the sole responsibility of the bidder to appropriately disseminate this data to all concerned prior to the assigned bid date and time. **Receipt of the addendum shall be recorded by the bidder in the appropriate space on the proposal form included in the Contract Documents.**

I. GENERAL

Item #01: BCI Background Checks

Q: 'In the prebid, it was stated that we would only need background checks if we work on weekends or after hours. The specs call out for every worker to have a BCI background check. Can you please clarify? (Section 011000, 1.6)'

A: Given the secure nature of the building, the Owner will require that BCI background checks be provided for every worker entering the building.

Item #02: Night and Weekend Work

Q: 'The textbox on detail A1/AE-502 says that work over the atrium is suggested to take place after hours or on weekends. Can you please clarify if this will be a requirement? After hours work will change the pricing.'

A: No work in the atrium space will be allowed during business hours, however, scaffolding can remain in place during construction so long as it does not affect normal business operations.

II. Architectural

Item #01: Alternate Scope

Q: 'Just to clarify, in the alternate it says to remove and replace the "ceiling system". This is meant to include both grid and tile, correct? Or are we just removing and replacing the ceiling tile?'

A: Both the ceiling tiles and the t-grid are to be replaced as part of Alternate #01. Refer to specification section 09 5513 for basis of design acoustical tiles.

Item #02: Deck Height

Q: 'Can you please verify the deck height.'

A:

- Level 01, deck height is approximately 13'-4" F.V.
- Level 03 deck height is approximately 13'-4" F.V.

Item #03: Modular Walls Attached to Ceiling Grid?

Q: 'Are the existing modular walls screwed into or otherwise attached to the ceiling grid? If so, we will be unable to reattach them to the new grid if the alternate is accepted, without disassembling all of the modular walls.'

A: See revised sheets AD-102 & AE-104 attached.

Item #04: Tile

Q: 'The tile that has been selected for the drinking fountain wall, Daltile – Formula – Equation Grey – 12x24, has been discontinued and there is no stock available. Please advise on a substitute.

A: Change to the following tile: Dal-Tile Corporation, Stone Look, SOCIETY, Park Lane S047, Finish Matte – 12"x24"

Item #05: Doors

Q: 'Please advise what the wood species is for the door on this project.'

A: It is believed to be White Oak, F.V. and match existing.

Item #06 – Architectural Prior Approvals

The following manufacturers, trade names and products are allowed to bid on a name-brand-only basis with the provision that they completely satisfy every requirement of the drawings, specifications and all addenda and shall conform to the design, quality and standards specified, established and required for the complete and satisfactory installation and performance of the building and all its respective parts.

PRODUCT	MANUFACTURER	STATUS
Tile waterproofing, tile setting material, tile grout, tile sealant	ARDEX	Approved.

GENERAL NOTES:

1. DUE TO THE NUMBER OF ELEMENTS IN THE EXISTING CEILINGS, INCLUDING, BUT NOT LIMITED TO FIRE SPRINKLERS, FIRE ALARMS, AV EQUIPMENT ETC. - THE DRAWINGS DO NOT NECESSARILY INDICATE ALL OF THESE ELEMENTS EXACTLY. IT WILL BE THE BIDDING CONTRACTOR'S SOLE RESPONSIBILITY TO INSPECT EACH SPACE TO VERIFY ALL THAT IS INVOLVED IN THE REPLACEMENT OF THE CEILING GRID AND TILE. ALSO PART OF THIS SET OF PLANS WE WILL PROVIDE A LINK TO A MATTERPORT 3D SCAN OF THE SPACE. THE OWNER WILL PROVIDE AMPLE OPPORTUNITY FOR THE BIDDING CONTRACTORS TO COMPLETE THIS VERIFICATION PROCESS PRIOR TO THE BID. THE CONTRACTOR WILL BE RESPONSIBLE FOR ASSURING THAT FIRE SUPPRESSION SYSTEM WORKS IN THE NEW GRID LAYOUT AND/OR IS ADJUSTED AS NECESSARY TO DO SO, AND THAT ALL LIGHTS, AV EQUIPMENT, HVAC GRILLS, FIRE ALARMS AND OTHER CEILING ELEMENTS ARE MODIFIED AND ADJUSTED TO WORK IN THE NEW CEILING LAYOUT. WITH THE EXCEPTION OF ITEMS THAT COULD NOT REASONABLY BE KNOWN AND PLANNED FOR FOLLOWING THIS VISUAL INSPECTION, THE CONTRACTOR IS REQUIRED TO INCLUDE ALL SUCH WORK DESCRIBED ABOVE IN THEIR BASE BID.

CEILING SYMBOLS

- NEW RECESSED CAN LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- REUSE EXTG. 2'x4' TROFFER LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS - PROTECT FROM DAMAGE
- EXTG. SURFACE MOUNTED LIGHT FIXTURE TO REMAIN - SEE ELECTRICAL DRAWINGS
- NEW OR EXTG. RECESSED SPEAKER - SEE ELECTRICAL DRAWINGS - CENTER ALL FIXTURES IN CEILING TILE AS SHOWN
- SUPPLY AIR DIFFUSER - SEE MECHANICAL DRAWINGS
- RETURN AIR DIFFUSER - SEE MECHANICAL DRAWINGS

CEILING TYPE LEGEND

- TYPE C-1 HEIGHT SEE PLAN
- TYPE C-2 HEIGHT SEE PLAN
- TYPE EXTG. HEIGHT SEE PLAN
- NEW 2'x4' SUSPENDED ACOUSTICAL LAY-IN PANEL CEILING SYSTEM (TEGULAR EDGE WITH MID PANEL REVEAL - 2'x2' LOOK) - SEE SPEC
- NEW 5/8" TYPE "X" GYP. & RELATED CEILING FRAMING - SEE SPEC. - PAINT
- EXTG. 2'x4' LAY-IN CEILING SYSTEM TO REMAIN - MODIFY AS REQUIRED TO CONSTRUCT NEW WALL - PROTECT FROM DAMAGE
- OR
- EXTG. GYP. BD. CEILING - PAINT - PROTECT FROM DAMAGE - REFER TO FINISH SCHEDULE

KEYED NOTES

- EXTG. CEILING SYSTEM IN THESE ROOMS ARE TO REMAIN - PROTECT FROM DAMAGE
- CONSTRUCT NEW BULKHEAD / WALL - REFER TO DETAIL D2/AE-502 - SEE SPEC.
- THIS CEILING AREA SHADED IN PURPLE IS TO BE REMOVED AND REPLACED AS PART OF THE BASE BID.
- EXTG. GYP. BD. HEADER / WALL - PATCH / PREP. & PAINT - SEE SPEC.
- ADD NEW 2'x4' LIGHT FIXTURE AT THIS LOCATION WHERE THE EXISTING WALLS ARE BEING REMOVED.
- BASE BID:** EXTG. LAY-IN CEILING SYSTEM TO REMAIN (ONLY MODIFY/REPLACE AS REQUIRED TO INSTALL NEW WALLS) REMOVE & REPLACE EXTG. HVAC GRILLES - EXTG. LIGHT FIXTURES ARE TO REMAIN - REFER TO MECHANICAL & ELECTRICAL PLANS - SEE SPEC. **ALTERNATE 01:** REMOVE EXTG. LAY-IN CEILING SYSTEM & ALL RELATED CEILING EQUIPMENT INCLUDING BUT NOT LIMITED TO HVAC GRILLES (CUT T-GRID DIRECTLY ABOVE THE HEADER OF EXTG. MODULAR WALLS KEEPING HEADER ATTACHMENT TO THE T-GRID INTACT) - PROVIDE AND INSTALL NEW LAY-IN CEILING SYSTEM IN THE SAME LOCATION (BUTT TO REMAINING EXTG. CEILING GRID IN PRIVATE OFFICES DIRECTLY ABOVE THE WALL HEADER) - PROVIDE NEW CEILING TILES WHEREVER LAY-IN CEILINGS OCCUR (INCLUDING ALL PRIVATE OFFICES & CONFERENCE ROOMS) - REMOVE & REPLACE EXTG. HVAC GRILLES - EXTG. LIGHT FIXTURES ARE TO REMAIN - REFER TO MECHANICAL & ELECTRICAL PLANS - SEE SPEC.
- REMOVE & REPLACE EXTG. LIGHT FIXTURES ON THIS CEILING ABOVE - REFER TO ELECTRICAL DRAWINGS.
- ALTERNATE 01:** REMOVE EXTG. CEILING TILES AND REPLACE WITH NEW - PAINT EXTG. CEILING T-GRID IN PLACE - REMOVE & REPLACE EXTG. HVAC GRILLES - EXTG. LIGHT FIXTURES ARE TO REMAIN - REFER TO MECHANICAL & ELECTRICAL PLANS - PROTECT ALL OTHER FINISHES - SEE SPEC.

CALVIN RAMPTON LEVEL 01 3D SCAN LINK

CLICK HERE (ORIGINAL .PDF FILE ONLY), OR SCAN QR CODE OR ENTER URL BELOW INTO AN INTERNET BROWSER FOR 3D SCAN OF EXISTING CONDITIONS
bit.ly/Calvin_Rampton_Level01 (note that url is case sensitive)

CALVIN RAMPTON LEVEL 03 3D SCAN LINK

CLICK HERE (ORIGINAL .PDF FILE ONLY), OR SCAN QR CODE OR ENTER URL BELOW INTO AN INTERNET BROWSER FOR 3D SCAN OF EXISTING CONDITIONS
bit.ly/Calvin_Rampton_Level03 (note that url is case sensitive)

THIS REVISED CEILING PLAN ILLUSTRATES THE ALTERNATE DESIGN. IN THE EVENT THAT THE ALTERNATE DESIGN IS NOT ACCEPTED, THE INTENTION IS TO RETAIN THE EXISTING CEILING AND GRID. HOWEVER, MODIFICATIONS WILL BE NECESSARY TO ACCOMMODATE THE CONSTRUCTION OF THE NEW WALLS. FOR A DETAILED OVERVIEW OF THE EXISTING CEILING, PLEASE REFER TO THE 3D MATTERPORT SCAN.

THIS ALTERNATE DESIGN AIMS TO CLOSELY REPLICATE THE EXISTING CEILING GRID LAYOUT. THIS ENSURES THAT THE NEW HVAC GRILLS ALIGN AS CLOSELY AS POSSIBLE WITH THE ORIGINAL PLACEMENT, ALLOWING FOR THE REUSE OF LIGHT FIXTURES IN THEIR GENERAL VICINITY. IT'S IMPORTANT TO NOTE THAT IN CERTAIN AREAS, ADJUSTMENTS MAY BE NECESSARY, REQUIRING THE RELOCATION OF EXISTING HVAC GRILL POSITIONS. FOR SPECIFIC DETAILS - REFER TO MECHANICAL DRAWINGS

ARCHITECTS INFORMATION



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PROFESSIONAL STAMP



STATE OF UTAH
EX-118114
11.30.2023
REGISTERED

CODE OFFICIAL STAMP

PROJECT NAME

**2023 CALVIN RAMPTON BUILDING
LEVEL 01 & 03 DPS REMODEL**

REVISIONS

NO.	DATE	DESCRIPTION
1	11/29/23	ADDENDUM 01

ISSUED:

NO.	DATE	DESCRIPTION
01	11/29/23	CONSTRUCTION BID SET

OWNER PROJECT #:

24371550

SPE PROJECT #:

23-52

DRAWN BY:

JBE

CHECKED BY:

SPE

DESIGNED BY:

JBE

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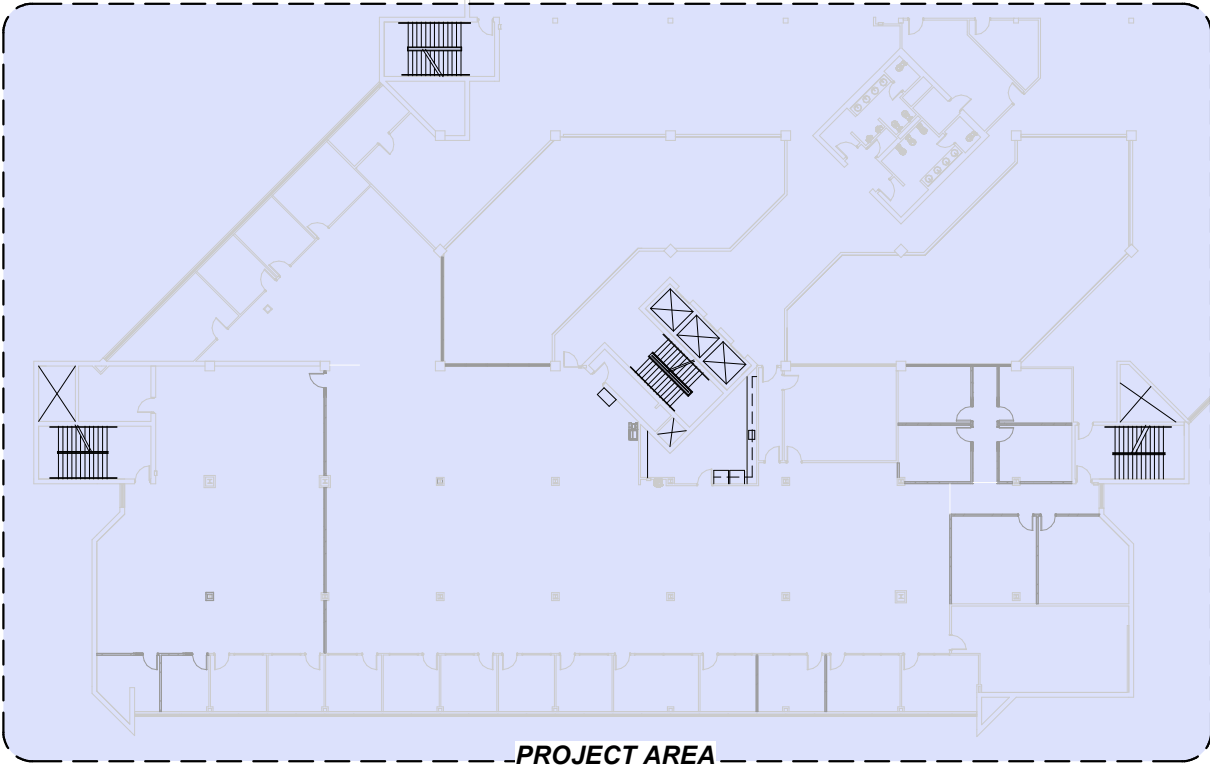
SHEET TITLE

**LEVEL 03
REFLECTED
CEILING PLAN**

SHEET NUMBER

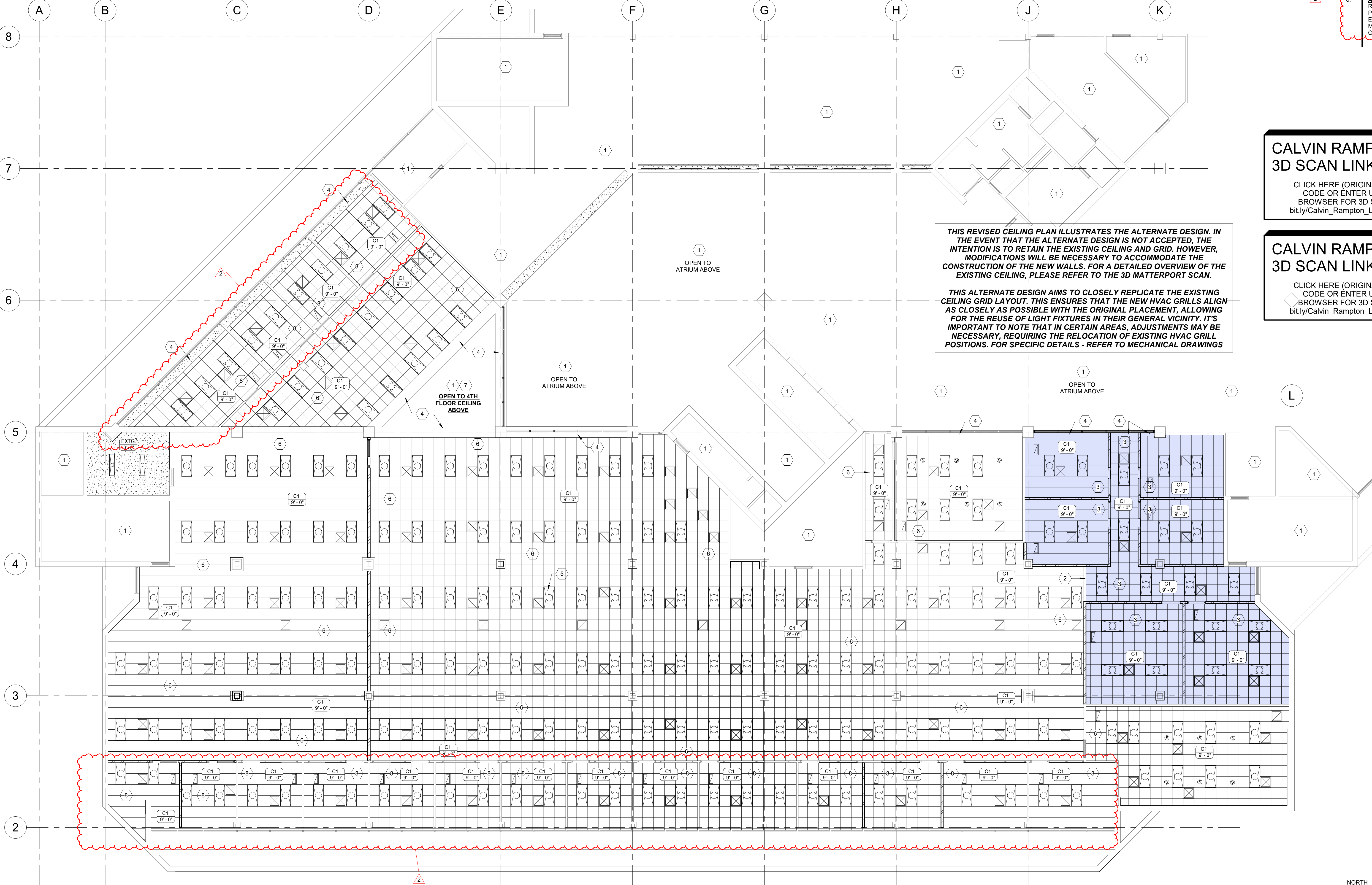
AE-104

4501 S 2700 W
TAYLORSVILLE, UTAH 84129



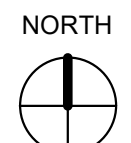
D1 LEVEL 03 - KEYPLAN

1" = 40'-0"



A1 LEVEL 03 REFLECTED CEILING PLAN

1/8" = 1'-0"



0 8' 16' 24' 32'

III. Mechanical

Item #01: Third Floor Sprinkler Heads

Q: 'Can you please let us know if the sprinkler heads on the third floor are hard piped or on flex? This will have a significant impact if the alternate is accepted on how much work there is to do with the existing sprinkler heads.'

A: For bidding purposes, assume that the existing heads are hard piped, and provide a new flex connection for all new or relocated heads.

Item #02: Mechanical Addendum

See Mechanical Addendum #01 attached.

ADDENDUM # 01

Project Name: Calvin Rampton DPS Remodel

WHW Project #: 23199

From: WHW Engineering LLC
8619 South Sandy Parkway
Sandy, Utah 84070
Phone (801) 466-4021 Fax (801) 466-8536

To: All Bidding Contractors
Addendum No:

Date: 01.22.24

This Addendum forms and becomes a part of the Contract Documents and modifies the original Bidding Documents dated 11/30/2024 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of 1 page.

PRIOR APPROVALS

THE FOLLOWING ITEMS, AS SUBMITTED, ARE CONSIDERED, IN GENERAL AND IN NAME ONLY, AS EQUAL TO THOSE ITEMS SPECIFIED. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR OR SUPPLIER OF THE RESPONSIBILITY OF CONFORMING TO THE DRAWINGS AND SPECIFICATIONS, NOR DOES IT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS FOR COORDINATION WITH OTHER TRADES. ALL DIMENSIONS SHALL BE CONFIRMED AND CORRELATED AT THE JOBSITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND THE SUITABILITY OF "EQUAL" PRODUCTS FOR THE SPECIFIED APPLICATION.

<u>Description</u>	<u>Manufacturer</u>
Test and Balancing	ES Balancing

IV. Electrical

Item #01: Security Contractor

Q: 'Please confirm this the contractor is responsible for the security cabling or devices.'

A: Provide rough-in only for security devices.

Item #02: Fire Alarm System

Q: 'Specs call out to match existing fire alarm system. Please provide who the current provider is for the fire alarm system.'

A: Silent Knight is understood to be the current fire alarm system provider - F.V.

Item #03: Lighting Controls

Q: 'Note 3 on EL103 calls for "Separate control for lighting in SBI open office from existing controls. Provide new dimming controller as indicated. Maintain circuiting." Please advise what the existing lighting controls are.'

A: The existing lighting controls are for the entire open office. Remove the lights in the SBI open office from the existing controls so they can be controlled by the new dimming controller.

Item #04: Audio-Visual

Q: 'Please advise who current the audio-visual contractor is for this building.'

A: Chariot Group.

Item #05: Third Floor Cameras

Q: 'There are many cameras in the third floor ceiling. There are no specs for this or notes in the plans. Are we to assume that if the alternate is accepted, owner will remove and reinstall the cameras? Or are we required to include that in our bid?'

A: Owner/security installer will remove and reinstall the cameras.

Item #06: Data and Card Readers

Q: 'There are no specs for communications/data and card readers/access control. Are we to assume this scope of work will be done by the DFCM? If so, will we be required to provide raceways?'

A: Provide raceways/rough in only for security devices. The Owner will coordinate the rest with its security installer.

Item #07: E Sheets

Q: 'Can you please add a note about the bid alternate to the E sheets on the ceiling plans and auxiliary plans? This will ensure all of the requisite subs are aware of it.'

A: A note has been added to the EL and EY sheets. See revised sheets EL101, EL103, EY101 & EY103 attached.

Item #08: Third Floor Light Fixtures

Q: 'Are the light fixtures on the third floor seismically attached? If not, we will have to go through and seismically attach all of them to the deck before the grid demolition if the alternate is accepted.'

A: Light fixtures have been recently replaced. Assume that existing seismic bracing is in place and adequate. Provide seismic bracing for all new lay-in fixtures as required.

Item #09: 1st Floor AV Questions

Q: 'The AV contractor will need to know the following to submit an accurate bid:

- 1) An equipment list in the AV rack/cabinet in the northeast corner of the existing conference room.
- 2) Model numbers on the existing AV equipment (microphones, speakers, projectors, screens, and cameras.'

A: New AV design has not been included in this set of drawings, only the relocation of existing AV devices. DFCM to confirm the exact scope and whether or not additional AV design is required. Contractor shall be responsible to F.V. existing AV equipment.

Item #010: Electrical Addendum #01

See Electrical Addendum #01 attached.



SPECTRUM
ENGINEERS

ADDENDUM #01

Job: Calvin Rampton DPS Remodel
Job Number: 220597
Date: 1-22-2024

DISCIPLINES

Mechanical Engineering
Electrical Engineering
Technology Design
Acoustical Engineering
Lighting Design
Theatre Design
Fire Protection Engineering
Building Commissioning

ELECTRICAL – DIV 26

DRAWINGS

SHEET - EE001

1. Added PT2 to the floorbox schedule.

SHEET - ED103 & ED103

1. Added general sheet notes 10 and 11.
2. Demolished existing receptacles that conflict with the new furniture.

SHEET - EP101

1. Added general sheet notes 1 and 2.

SHEET - EP103

1. Added general sheet notes 1 and 2.
2. Added power for furniture.
3. Added power to new wall separating the open office spaces.

SHEET - EL101 & EL103

1. Added general sheet note 2.

SHEET - EL601

1. Added part numbers for approved light fixtures.

SHEET - EY101 & EY103

1. Added general sheet note 3.

END OF ADDENDUM

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SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
REFERENCE AND LINE SYMBOLS	
	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
	KEYNOTE INDICATOR.
	REVISION INDICATOR.
	EQUIPMENT INDICATOR.
	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
	NEW LINE: MEDIUM LINE.
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	EXISTING TO REMAIN LINE: THIN LINE.
	DEMOLITION LINE: DASHED, MEDIUM LINE
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
	ELECTRICAL EQUIPMENT INDICATOR. "XXX" INDICATES TYPE OF EQUIPMENT OR EQUIPMENT ID. "EF-X" IDENTIFIES MECHANICAL EQUIPMENT BEING SERVED. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
WIRING METHODS	
	WIRING.
	WIRING TURNED UP OR TOWARDS OBSERVER.
	WIRING TURNED DOWN OR AWAY FROM OBSERVER.
	SINGLE BRANCH CIRCUIT HOME RUN TO PANELBOARD WITH DEDICATED NEUTRAL CONDUCTOR. LETTER AND NUMBER NOTATION IDENTIFY PANEL AND CIRCUIT NUMBER.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
	ADA ACCESS PUSH PLATE
	JUNCTION BOX.
	JUNCTION BOX, CEILING.
	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
	JUNCTION BOX, SYSTEMS FURNITURE POWER CONNECTION.
	PULL BOX.
	CABLE TRAY ABOVE ACCESSIBLE CEILING. "A" DENOTES CABLE TRAY WIDTH, "B" DENOTES CABLETRAY DEPTH. +/-C-D" DENOTES CABLE TRAY ELEVATION ABOVE OR BELOW FINISHED SURFACE.
	LADDER RACK.
	CABLE J-HOOKS ABOVE ACCESSIBLE CEILING.
	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.
	ELECTRIC VEHICLE CHARGING STATION.
	GROUND BUSBAR. REFER TO GROUNDING RISER DIAGRAM FOR ADDITIONAL INFORMATION.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
WIRING DEVICES	
	RECEPTACLE, DUPLEX: NEMA 5-20R.
	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, DUPLEX, RECESSED: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
	RECEPTACLE, SPECIAL PURPOSE: PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
	RECEPTACLE, DRYER: NEMA 14-30R.
	RECEPTACLE, RANGE: NEMA 14-50R.
	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
	DROP CORD. SEE DETAIL.
	THERMOSTAT.
	FLUSH FLOOR BOX. "F" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	FLUSH FIRE RATED POKE THRU. "F" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
	SWITCH, DIMMER.
	SWITCH, SINGLE POLE ("X" INDICATES FIXTURES CONTROLLED).
	SWITCH, DOUBLE POLE ("X" INDICATES FIXTURES CONTROLLED).
	SWITCH, THREE-WAY ("X" INDICATES FIXTURES CONTROLLED).
	SWITCH, DOOR.
	SWITCH, TIMER OPERATED.
	SWITCH, WEATHERPROOF.
	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
	RECEPTACLE, DUPLEX, WITH USB OUTLET
ELECTRICAL POWER AND DISTRIBUTION	
	METER.
	DISCONNECT SWITCH, FUSED.
	DISCONNECT SWITCH, UNFUSED.
	STARTER, COMBINATION WITH DISCONNECT SWITCH.
	STARTER OR MOTOR CONTROLLER.
	PUSHBUTTON.
	PUSHBUTTONS, MOTOR CONTROL.
	PANELBOARD CABINET, FLUSH MOUNTED.
	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
	DISTRIBUTION PANEL OR SWITCHBOARD.
	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
	TRANSFORMER (SEE ONE-LINE FOR SIZE)
	BUSWAY.
CCTV	
	CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.
SECURITY	
	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
	CARD READER.

SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
LIGHTING	
	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
	FIXTURE IDENTIFICATION: EMERGENCY LIGHTING FIXTURE WITH BATTERY PACK AND/OR GENERATOR AND/OR CENTRALIZED INVERTER AND/OR CENTRALIZED UPS CONNECTION AS INDICATED IN PLANS. (W-3E) INDICATES FIXTURE TYPE AS SCHEDULED.
	EMERGENCY.
	NIGHT LIGHT: DO NOT SWITCH.
	EGRESS DIRECTION ARROW (EXIT SIGNS).
	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
	EXIT SIGN: SINGLE FACE; WALL MOUNTED
	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
LIGHTING CONTROL	
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
	PHOTOCELL.
	PHOTOCELL, WALL MOUNTED.
	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
	CEILING FAN.
	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
	DIGITAL LIGHTING ROOM CONTROLLER
	DIGITAL LIGHTING DIMMING CONTROLLER
	LIGHTING EMERGENCY TRANSFER DEVICE
	LIGHTING SPACE CONTROL TYPE: X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
FIRE ALARM	
	FIRE ALARM ANNUNCIATOR PANEL.
	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
	CONTROL MODULE.
	MONITOR MODULE.
	FIRE ALARM MANUAL PULL STATION.
	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
	MAGNETIC DOOR HOLDER.
	DETECTOR, SMOKE.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
	SMOKE DAMPER, 120V POWER FROM ELECTRICAL SYSTEM.
	COMBINATION FIRE/SMOKE DAMPER, 120V POWER FROM ELECTRICAL SYSTEM.
	DETECTOR, HEAT.
	DETECTOR, CARBON MONOXIDE.
	STROBE, WALL MOUNTED.
	STROBE, WALL MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY.
	ALARM, HORN/STROBE, WALL MOUNTED, ONE ASSEMBLY. SUBSCRIPT INDICATES CANDELA RATING.
	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE. SUBSCRIPT INDICATES CANDELA RATING.
	SPEAKER, WALL MOUNTED, EVACUATION, COMBINATION STROBE. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.
	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT INDICATES CANDELA RATING.

ABBREVIATIONS	
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.	
1P SINGLE POLE	KVAR KILOVOLT AMPERE REACTIVE
1PH SINGLE-PHASE	KW KILOWATT
1WAY ONE-WAY	KWH KILOWATT HOUR
2/C TWO-CONDUCTOR	LED LIQUID EMITTING DIODE
2WAY TWO-WAY	LFMC LIQUID TIGHT FLEXIBLE METAL CONDUIT
3/C THREE-CONDUCTOR	LFNC LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
3WAY THREE-WAY	LP LOW PRESSURE SODIUM
QUADRUPLX RECEPTACLE	LPS LOCKED ROTOR AMPS
OUTLET	LTG LIGHTING
4PDT FOUR-POLE DOUBLE THROW	LV LOW VOLTAGE
4PST FOUR-POLE SINGLE THROW	LVA MASTER ANTENNA TELEVISION SYSTEM
4W FOUR-WIRE	MAX MAXIMUM
4WAY FOUR-WAY	MC METAL CLAD
A ABOVE COUNTER	MCM MINIMUM CIRCUIT AMPS
AC ARMORED CABLE	MCB MAIN CIRCUIT BREAKER
ADA AMERICANS WITH DISABILITIES	MCC MOTOR CONTROL CENTER
ADJ ADJACENT	MCP MOTOR CIRCUIT PROTECTION
AFF ABOVE FINISHED FLOOR	MCP MAIN DISTRIBUTION PANEL
AFG ABOVE FINISHED GRADE	MG MOTOR GENERATOR
AIC AMPERE INTERRUPTING CAPACITY	MH MANHOLE
ALUM ALUMINUM	MN MINIMUM
AMP AMPERE	MLD MAIN LUGS ONLY
ANN ANNUNCIATOR	MOCP MAXIMUM OVERCURRENT PROTECTION
AP ACCESS POINT (WIRELESS DATA)	MTS MANUAL TRANSFER SWITCH
AR AS REQUIRED	NA NOT APPLICABLE
ASC AMPS SHORT CIRCUIT	NC NORMALLY CLOSED
ATC AUTOMATIC TRANSFER SWITCH	NEC NATIONAL ELECTRICAL CODE
AV AUDIO VISUAL	NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
AWG AMERICAN WIRE GAGE	NFC NATIONAL FIRE CODE
BB BUCK-BOOST TRANSFORMER	NFPA NATIONAL FIRE PROTECTION ASSOCIATION
BFF BELOW FINISHED FLOOR	NIC NOT IN CONTRACT
BFG BELOW FINISHED GRADE	NIGHT LIGHT
C CEILING MOUNTED	NO NORMALLY OPEN
CAT CATEGORY	NTS NOT TO SCALE
CATV COMMUNITY ANTENNA TELEVISION	OC ON CENTER
CB CIRCUIT BREAKER	OCP OVER CURRENT PROTECTION
CCBA CUSTOM COLOR AS SELECTED BY ARCHITECT	OE OWNER ELECTRONICS
CCTV CLOSED CIRCUIT TELEVISION	OF/CI OWNER FURNISHED/ CONTRACTOR INSTALLED
CF/CI CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED	OF/IOI OWNER FURNISHED/ OWNER INSTALLED
CF/IOI CONTRACTOR FURNISHED/ OWNER INSTALLED	OPF OBTAIN FROM PLANS
CFBA CUSTOM FINISH AS SELECTED BY ARCHITECT	OPR OVERHEAD (COILING) DOOR
CKT CIRCUIT	Q PUSHBUTTON
CM CONSTRUCTION MANAGER	PF POWER FACTOR
CND CONDUIT	PH PHASE
CO CONVENIENCE OUTLET	PNL PANEL
COR CONTRACTING OFFICERS REPRESENTATIVE	PNM PLENUM
CP CONTROL PANEL	PR PAIR
CT CURRENT TRANSFORMER	PS POWER SUPPLY
CTV CABLE TELEVISION	PT POTENTIAL TRANSFORMER
CU COPPER	PTZ PAN/TILT/ZOOM
DBA UNIT OF SOUND LEVEL	PV PHOTO VOLTAIC
DPDT DOUBLE POLE, DOUBLE THROW	QTY QUANTITY
DS DISCONNECT SWITCH	R REMOVE
ENH ENHANCED	RCP REFLECTED CEILING PLAN
EA EACH	RMC RIGID METAL CONDUIT
EM EMERGENCY	RNC RIGID NONMETAL CONDUIT
ENT ELECTRICAL METALLIC TUBING	RPM REVOLUTIONS PER MINUTE
ENT ELECTRIC NONMETALLIC TUBING	RPP RISER PATCH PANEL
EPO EMERGENCY POWER OFF	RR REMOVE AND RELOCATE
EQUIP EQUIPMENT	S/S START/STOP
ER EXISTING	SCA STANDARD COLOR AS SELECTED BY ARCHITECT
F FURNITURE MOUNTED	SF SQUARE FOOT (FEET)
FA FIRE ALARM	SFBA STANDARD FINISH AS SELECTED BY ARCHITECT
FACP FIRE ALARM CONTROL PANEL	SPD SURGE PROTECTIVE DEVICE
FLA FULL LOAD AMPS	SPOT SINGLE POLE, DOUBLE THROW
FMC FLEXIBLE METAL CONDUIT	SPEC SPECIFICATION
FOB FREIGHT ON BOARD	SPP STATION PATCH PANEL
FPF FIBER PATCH PANEL	SPST SINGLE POLE, SINGLE THROW
FVNR FULL VOLTAGE NON-REVERSING	ST SINGLE THROW
FVR FULL VOLTAGE REVERSING	SWBD SWITCHBOARD
GEN GENERATOR	SWGR SWITCHGEAR
GF/CI GROUND FAULT INTERRUPTER	TL TWIST LOCK
GFP GROUND FAULT PROTECTION	TP TELEPHONE POLE
GIG GIGA HERTZ	TP TWIST PAIR
GND GROUND	TR TELECOMMUNICATIONS ROOM
HD HEAVY DUTY	TTB TELEPHONE TERMINAL BOARD
HID HIGH INTENSITY DISCHARGE	TV TELEVISION
HOA HAND-OFF-AUTOMATIC	TVSS TRANSIENT VOLTAGE SURGE SUPPRESSER
HP HORSE POWER	TYP TYPICAL
HPF HIGH POWER FACTOR	UF UNDERFLOOR
HPS HIGH PRESSURE SODIUM	UGND UNDERGROUND
HV HIGH VOLTAGE	UPS UNINTERRUPTIBLE POWER SUPPLY
HWM HORIZONTAL WIRE MANAGEMENT	V VOLTS
HZ HERTZ	VA VOLT AMPERE
IO INPUT/OUTPUT	VFCVF VARIABLE FREQUENCY MOTOR CONTROLLER
IG ISOLATED GROUND	D VERTICAL WIRE MANAGEMENT
IMC INTERMEDIATE METAL CONDUIT	W/ WITH
INIS INSULATED/ ISOLATED	WO WITHOUT
IR INFRARED	WP WEATHERPROOF
J-BOX JUNCTION BOX	WPP WIRELESS PATCH PANEL
KV KILOVOLT	XFMR TRANSFORMER
KVA KILOVOLT AMPERE	

DEFINITIONS	
NOTE: ALL DEFINITIONS MAY NOT BE USED.	
INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.	
DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.	
APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.	
FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."	
INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."	
PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."	
INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.	
TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYS. VOLTAGES OF LESS THAN 75 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...	

GENERAL ELECTRICAL NOTES	
1. CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.	
2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.	
A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.	
B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.	
C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.	
3. EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.	
4. SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.	
5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.	
6. ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHI.	

ELECTRICAL SHEET INDEX	
EE001	ELECTRICAL COVER SHEET
EE501	ELECTRICAL DETAILS
EE701	TYPICAL MOUNTING DETAILS
ED101	LEVEL 1 ELECTRICAL DEMOLITION PLAN
ED103	LEVEL 3 ELECTRICAL DEMOLITION PLAN
ED201	LEVEL 1 CEILING DEMOLITION PLAN
ED203	LEVEL 3 CEILING DEMOLITION PLAN
EP101	LEVEL 1 POWER PLAN
EP103	LEVEL 3 POWER PLAN
EL101	LEVEL 1 LIGHTING PLAN
EL103	LEVEL 3 LIGHTING PLAN
ELB01	INTERIOR LIGHTING FIXTURE SCHEDULE
ELB02	LIGHTING CONTROL SCHEDULES
EY101	LEVEL 1 AUXILIARY PLAN
EY103	LEVEL 3 AUXILIARY PLAN

FLOORBOX SCHEDULE

ABBREVIATIONS

COMPARTMENT GANG

NOT APPLICABLE

AV - AV CONNECTIONS, REFER TO DRAWINGS/SPECIFICATIONS

D - DATA RECEPTACLE

DR - DUPLEX RECEPTACLE

QR - QUADRAPLEX RECEPTACLE

RATINGS

2H - 2-HOUR FIRE RATED, UL LISTED

USE

CF - CONCRETE FLOOR

CONNECTION

C1 - RECESSED CABLE CONNECTIONS BELOW FLOOR WITH HINGED LID FOR ACCESS THAT CAN BE CLOSED WHILE IN USE.

FINISH

AL - ALUMINUM

COVER

CV1 - FLANGED WITH CARPET INSERT FOR CARPET AREAS, FLANGELESS FLUSH GRAY BRUSHED ALUMINUM LID

COVER

1 PROVIDE ALL REQUIRED HARDWARE FOR COMPLETE INSTALLATION.

2 INCLUDE SEPARATION BARRIER BETWEEN SYSTEMS AND POWER.

DIMENSIONS		COMPARTMENTS								CONNECTION		COVER		FINISH		MANUFACTURER 1		MANUFACTURER 2		PART		NOTE		
ID	DESCRIPTION	LENGTH	WIDTH	DEPTH	GANG 1	GANG 2	GANG 3	GANG 4	GANG 5	GANG 6	GANG 7	GANG 8	RATINGS	USE	C1	CF	CV1	AL	HUBBELL	STRIP	WIREMOL	D	18RXX	X
PT2	6" FURNITURE FEED POKE-THRU	6"	16"	DR	D	D	D	D	AV	AV	AV	AV	2H	CF	CF	CV1	AL	HUBBELL	STRIP	WIREMOL	D	18RXX	X	
PT6	6" POWER DATA POKE-THRU	6"	16"	DR	D	D	D	D	AV	AV	AV	AV	2H	CF	CF	CV1	AL	HUBBELL	STRIP	WIREMOL	D	18RXX	X	

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11/30/2023

CODE OFFICIAL STAMP

PROJECT NAME:

2023 CALVIN RAMPTON BUILDING
LEVEL 01 & 03 DPS REMODEL

4501 S 2700 W
TAYLORSVILLE, UTAH 84129

REVISIONS

NO.	DATE	DESCRIPTION
01	11/30/23	CONSTRUCTION BD SET

ISSUED:

NO.	DATE	DESCRIPTION
01	11/30/23	CONSTRUCTION BD SET

OWNER PROJECT #:

24371550

SPE PROJECT #:

23-52

DRAWN BY:

SAM

CHECKED BY:

TDS

DESIGNED BY:

SAM

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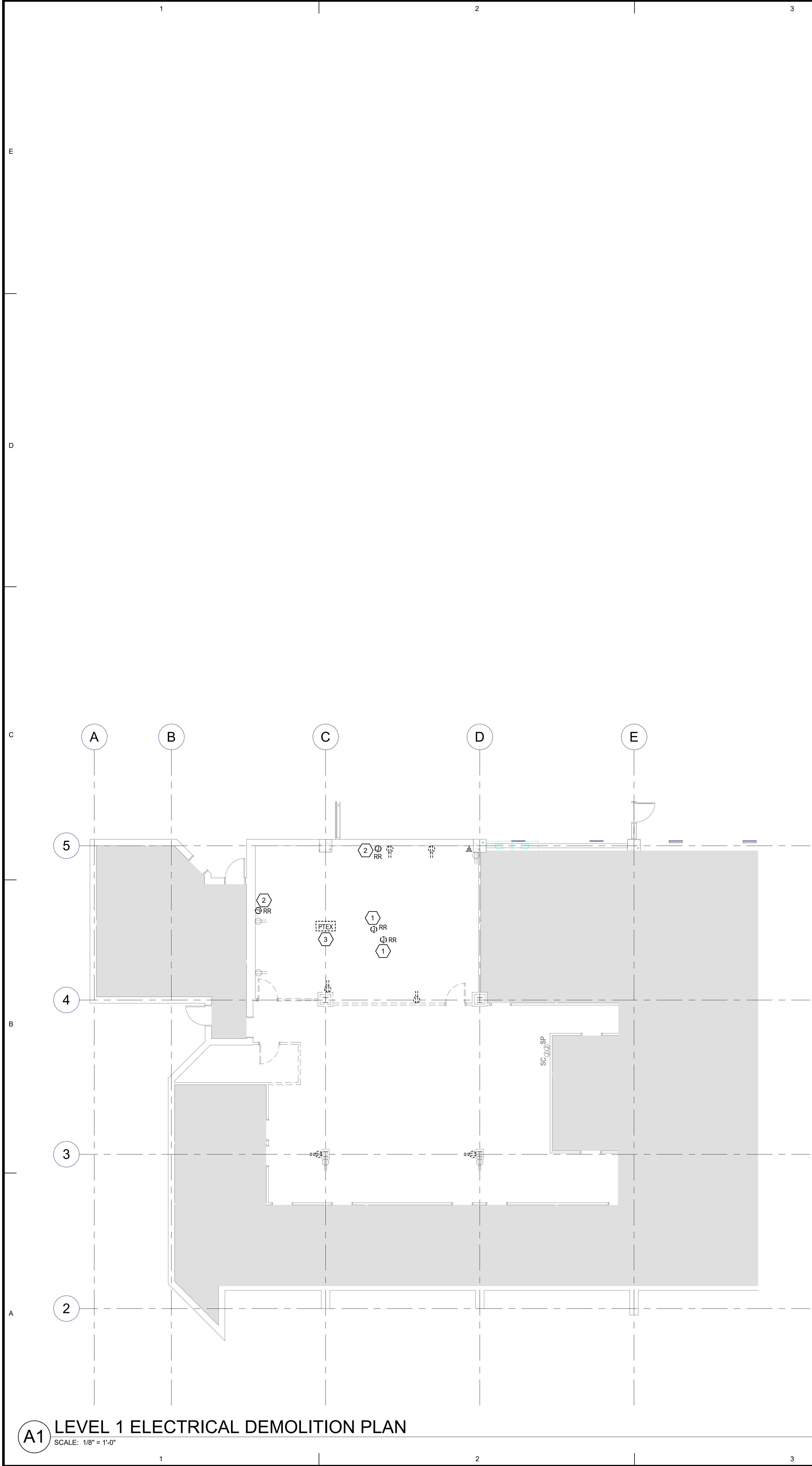
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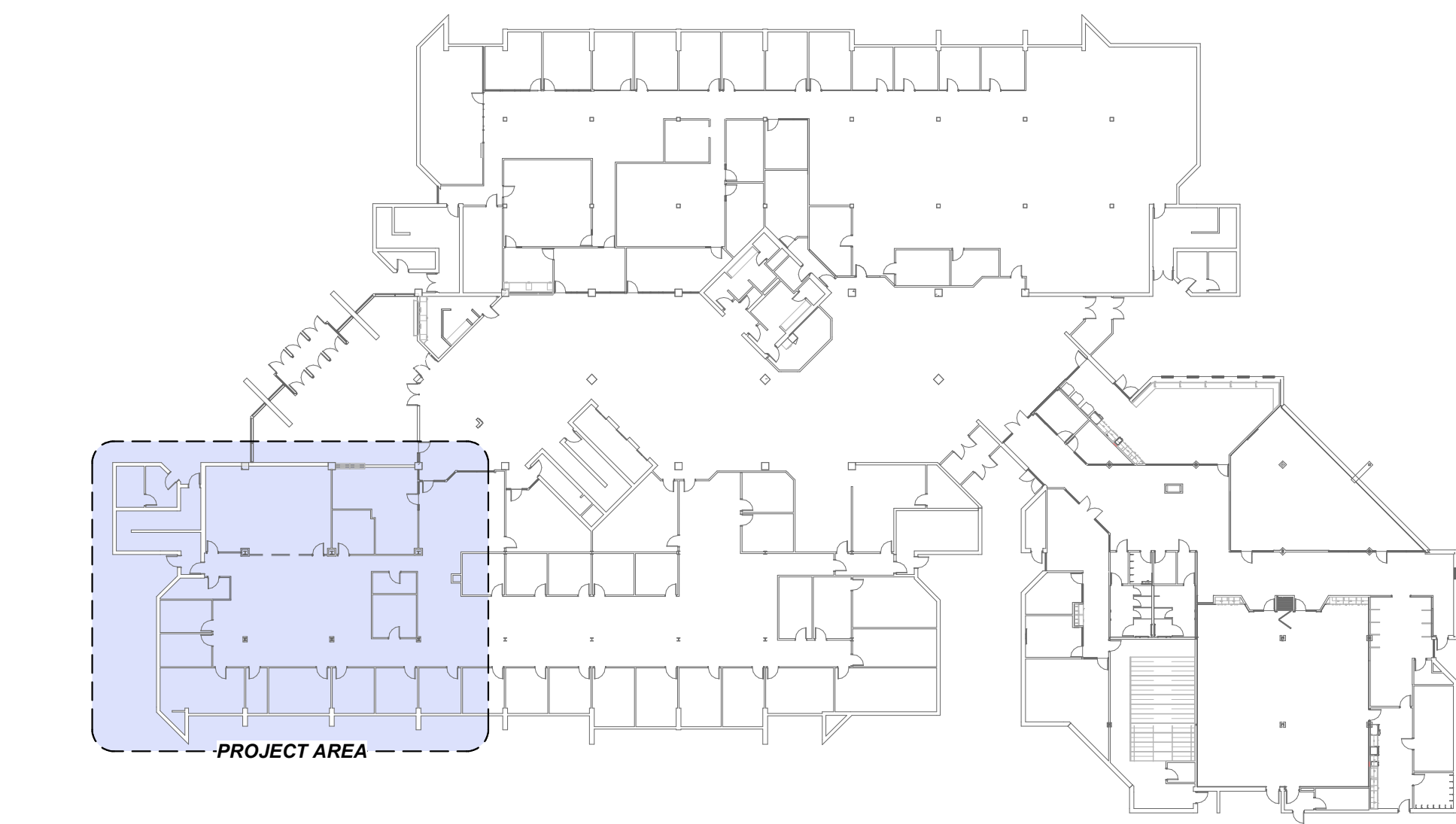
ELECTRICAL
COVER SHEET

SHEET NUMBER:

EE001



4	5	6
GENERAL SHEET NOTES	GENERAL SHEET NOTES	SHEET KEYNOTES
<p>1 UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.</p> <p>2 SALVAGE ALL LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.</p> <p>3 PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.</p> <p>4 PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.</p> <p>5 REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED. WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, RE-ROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.</p> <p>6 REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED. WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.</p> <p>7 REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.</p>	<p>8 DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.</p> <p>9 ALL ITEMS INDICATED TO REMAIN SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION.</p> <p>10 CONTRACTOR SHALL FIELD VERIFY AVAILABLE CIRCUIT BREAKERS AFTER ALL DEMOLITION HAS BEEN COMPLETED. EXISTING CIRCUITS PREVIOUSLY FEEDING SYSTEMS FURNITURE MAY BE REUSED. MARK FINAL CIRCUIT INFORMATION ON AS-BUILT DRAWINGS FOR INCORPORATION INTO THE RECORD DRAWINGS. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.</p> <p>11 A TOTAL OF 31 ELECTRICAL CIRCUITS ARE REQUIRED ON LEVEL 3 FOR THE SCOPE OF THIS REMODEL. IF THIS MANY CIRCUITS ARE NOT AVAILABLE AFTER DEMOLITION AND FIELD VERIFICATION OF SPARE CIRCUITS, THEN ALERT ENGINEER TO THIS DISCREPANCY AND ADDITIONAL INSTRUCTIONS WILL BE PROVIDED.</p>	<p>1 REMOVE AND RELOCATE EXISTING PROJECTOR. REFER TO EP101 FOR MORE INFORMATION.</p> <p>2 REMOVE AND RELOCATE EXISTING PROJECTOR SCREEN. REFER TO EP101 FOR MORE INFORMATION.</p> <p>3 EXISTING POKE-THRU TO BE REMOVED. REMOVE CIRCUITS BACK TO PANELBOARD. PATCH AND REPAIR FLOOR.</p>



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SPE PROJECT #:

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SHEET TITLE

LEVEL 1
ELECTRICAL
DEMOLITION PLAN

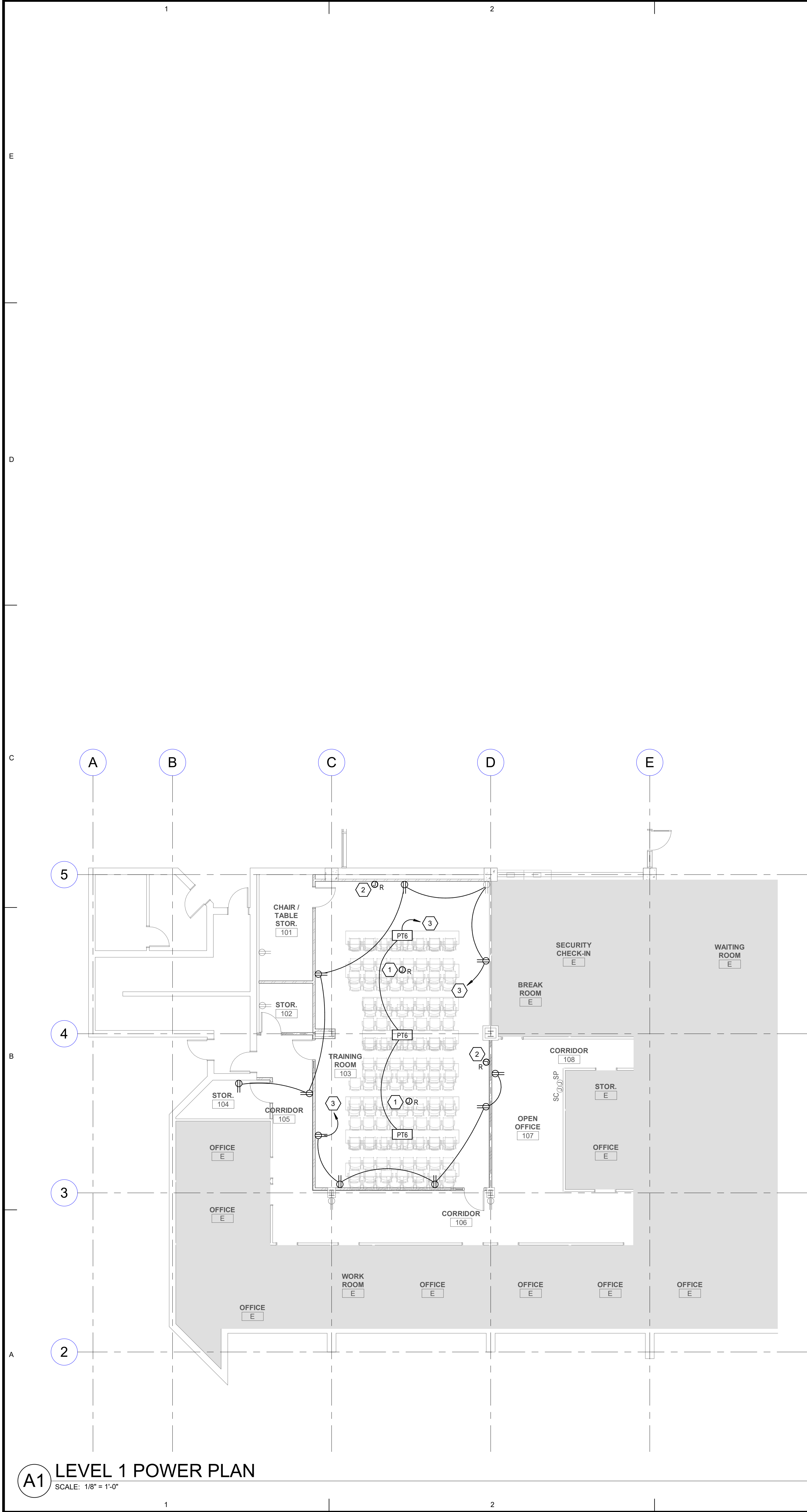
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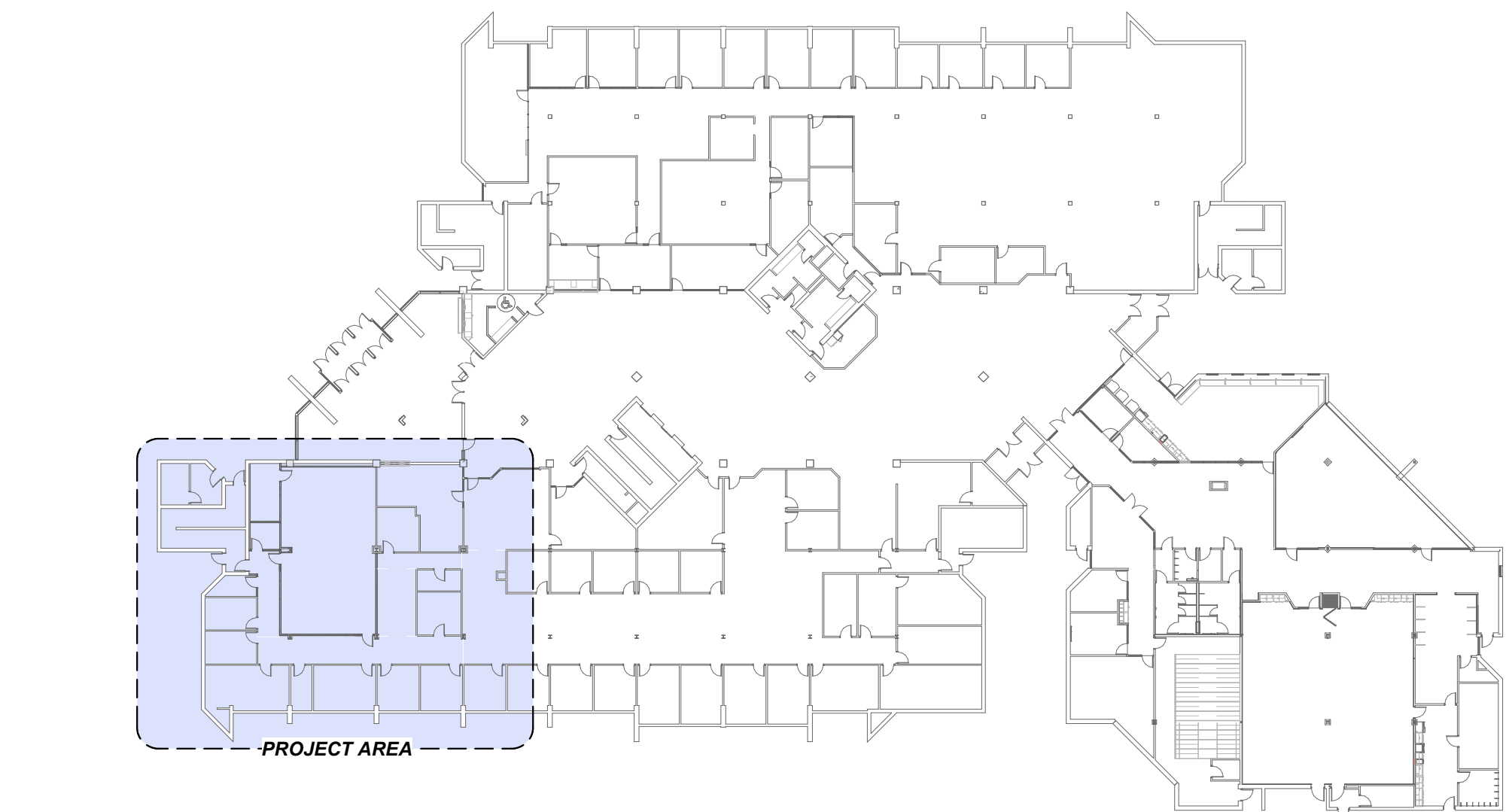


ARCHITECTS INFORMATION



A1 LEVEL 1 POWER PLAN
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES		SHEET KEYNOTES	
1	CONTRACTOR SHALL FIELD VERIFY AVAILABLE CIRCUIT BREAKERS AFTER ALL DEMOLITION HAS BEEN COMPLETED. EXISTING CIRCUITS PREVIOUSLY FEEDING SYSTEMS FURNITURE MAY BE REUSED. MARK FINAL CIRCUIT INFORMATION ON AS-BUILT DRAWINGS FOR INCORPORATION INTO THE RECORD DRAWINGS. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.	2	RELOCATED PROJECTOR. EXTEND EXISTING ELECTRICAL CIRCUIT TO NEW LOCATION. COORDINATE EXACT LOCATION WITH AV INSTALLER PRIOR TO ROUGH-IN.
2	A TOTAL OF 31 ELECTRICAL CIRCUITS ARE REQUIRED ON LEVEL 3 FOR THE SCOPE OF THIS REMODEL. IF THIS MANY CIRCUITS ARE NOT AVAILABLE AFTER DEMOLITION AND FIELD VERIFICATION OF SPARE CIRCUITS, THEN ALERT ENGINEER TO THIS DISCREPANCY AND ADDITIONAL INSTRUCTIONS WILL BE PROVIDED.	3	RELOCATED PROJECTOR SCREEN. EXTEND EXISTING ELECTRICAL CIRCUIT TO NEW LOCATION. COORDINATE EXACT LOCATION WITH AV INSTALLER PRIOR TO ROUGH-IN.
			CIRCUIT TO PANEL BOARD POWERING OTHER DEVICES IN THIS AREA. FIELD VERIFY AVAILABLE SPARE CIRCUIT BREAKER AFTER DEMOLITION HAS BEEN COMPLETED. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.



A5 LEVEL 1 KEYPLAN
SCALE: 1" = 40'-0"

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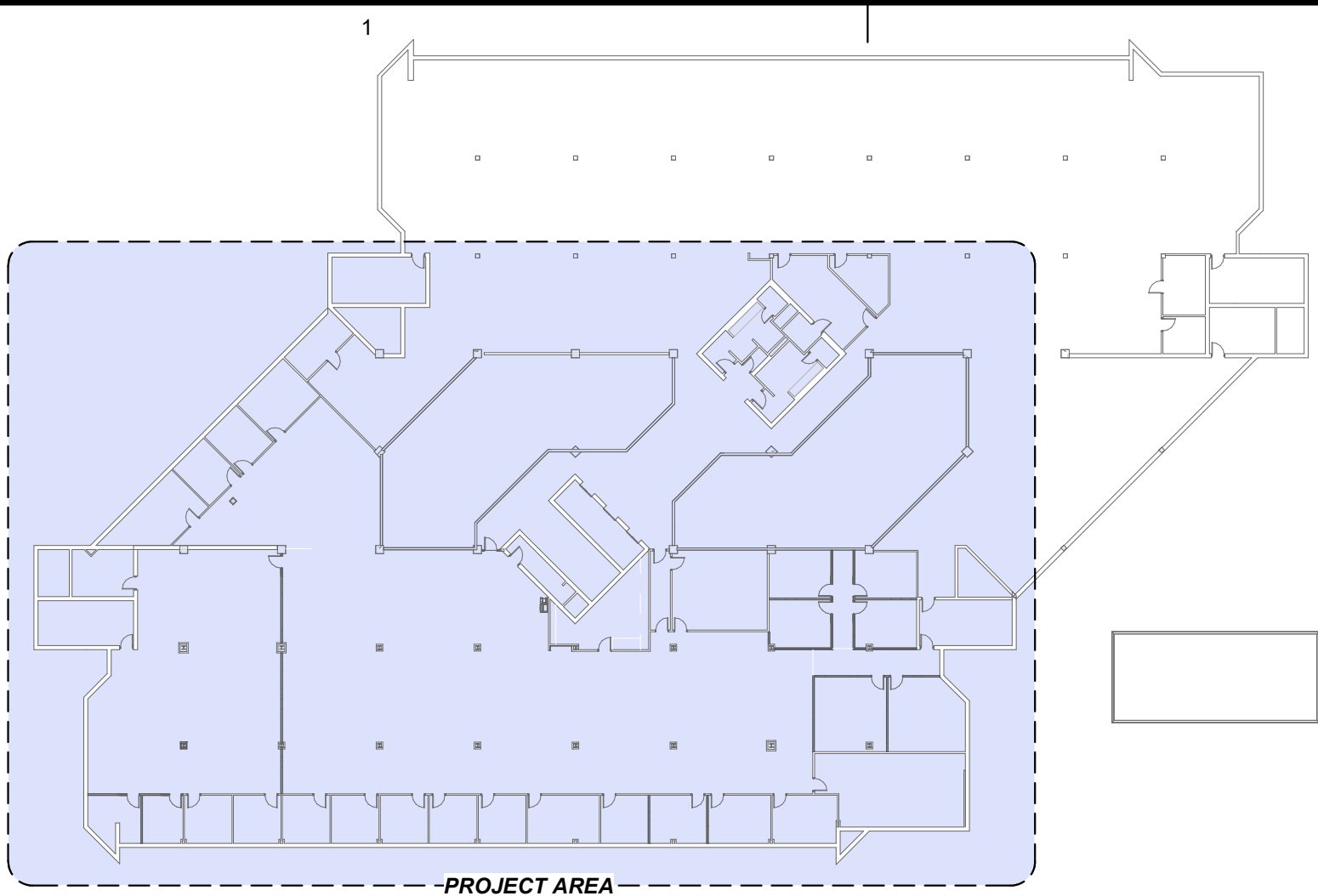
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SHEET TITLE

LEVEL 1 POWER PLAN

SHEET NUMBER

EP101



D1 LEVEL 3 KEYPLAN
SCALE: 1" = 40'-0"



A1 LEVEL 3 POWER PLAN
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

- CONTRACTOR SHALL FIELD VERIFY AVAILABLE CIRCUIT BREAKERS AFTER ALL DEMOLITION HAS BEEN COMPLETED. EXISTING CIRCUITS PREVIOUSLY FEEDING SYSTEMS FURNITURE MAY BE REUSED. MARK FINAL CIRCUIT INFORMATION ON AS-BUILT DRAWINGS FOR INCORPORATION INTO THE RECORD DRAWINGS. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.
- A TOTAL OF 31 ELECTRICAL CIRCUITS ARE REQUIRED ON LEVEL 3 FOR THE SCOPE OF THIS REMODEL. IF THIS MANY CIRCUITS ARE NOT AVAILABLE AFTER DEMOLITION AND FIELD VERIFICATION OF SPARE CIRCUITS, THEN ALERT ENGINEER TO THIS DISCREPANCY AND ADDITIONAL INSTRUCTIONS WILL BE PROVIDED.

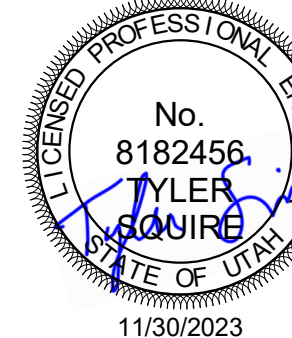
SHEET KEYNOTES

- CIRCUIT WITH EXISTING DEVICE AS INDICATED.
- CIRCUIT TO PANELBOARD INDICATED. FIELD VERIFY AVAILABLE SPARE CIRCUIT BREAKER AFTER DEMOLITION HAS BEEN COMPLETED. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.
- PROVIDE ELECTRICAL CONNECTIONS TO SYSTEMS FURNITURE. DESIGN IS BASED ON 4 CIRCUITS WIRE SYSTEM (3 CIRCUITS, SHARED OVERSIZED NEUTRAL AND GROUND, PLUS 1 CIRCUIT WITH DEDICATED NEUTRAL AND GROUND). VERIFY WIRING CONFIGURATION AND FEED POINT WITH SYSTEMS FURNITURE INSTALLER SUCH THAT CIRCUITS ARE UNIFORMLY DISTRIBUTED TO NO MORE THAN 3 WORKSTATIONS PER CIRCUIT. COPIERS OR PRINTERS LOCATED IN A GROUP OF WORKSTATIONS SHALL RECEIVE A DEDICATED CIRCUIT.
- CIRCUIT TO PANELBOARD INDICATED WITH 4, #12, #12GR IN 0.75" CONDUIT. PROVIDE NEW 20A/3 POLE CIRCUIT BREAKER. FIELD VERIFY AVAILABLE SPACES AFTER DEMOLITION HAS BEEN COMPLETE. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULES AT THE COMPLETION OF THE PROJECT.



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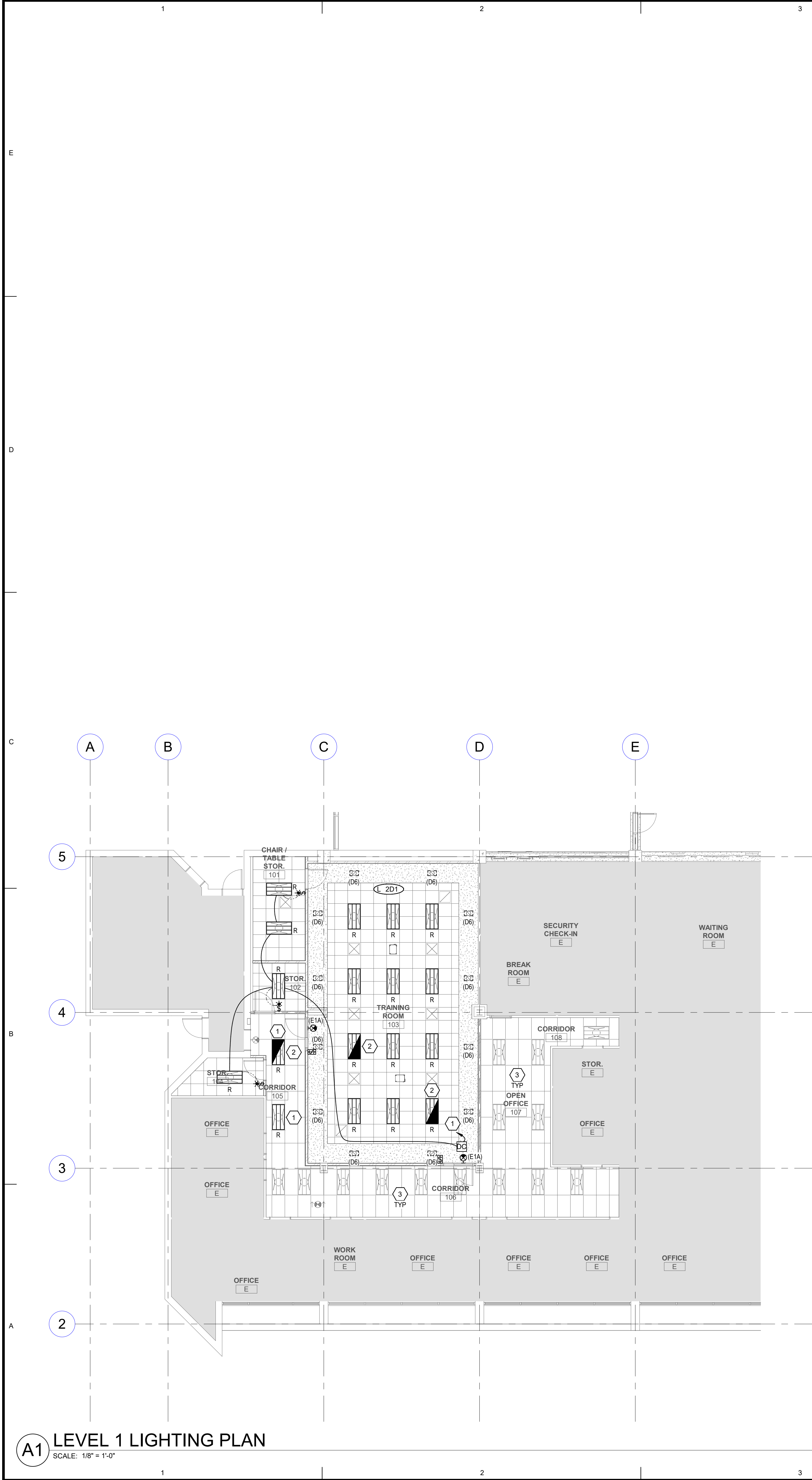
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SPE PROJECT #: 23-52
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SHEET TITLE

LEVEL 3 POWER PLAN

SHEET NUMBER

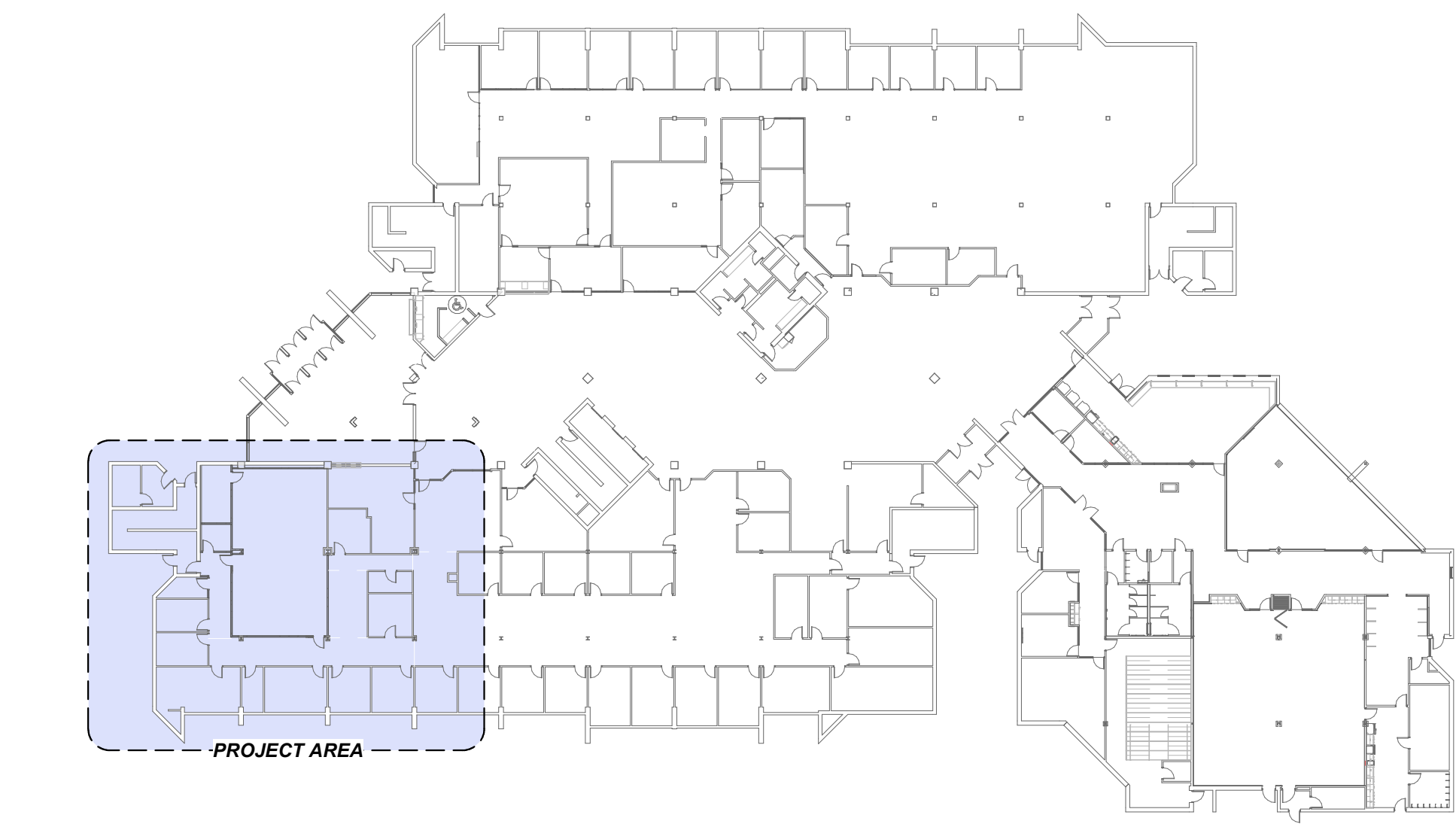
EP103



A1 LEVEL 1 LIGHTING PLAN
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES	
1	EXISTING EMERGENCY LIGHTING IS PROVIDED BY EMERGENCY BATTERIES. MAINTAIN EXISTING EMERGENCY LIGHTING LOCATIONS.
2	BID ALTERNATE: REPLACE EXISTING LEVEL 3 GRID CEILING. REMOVE ALL LIGHT FIXTURES AND CEILING DEVICES AND RELOCATE THEM TO THE NEW CEILING.

SHEET KEYNOTES	
1	CONNECT TO EXISTING LIGHTING CIRCUIT PREVIOUSLY FEEDING LIGHTING IN THIS AREA.
2	PROVIDE NEW EMERGENCY BATTERY FOR THE FIXTURE INDICATED.
3	MAINTAIN EXISTING LIGHTING CIRCUITING AND CONTROLS IN THIS AREA.



A5 LEVEL 1 KEYPLAN
SCALE: 1" = 40'-0"

ARCHITECTS INFORMATION

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PROFESSIONAL STAMP

CODE OFFICIAL STAMP

PROJECT NAME

**2023 CALVIN RAMPTON BUILDING
LEVEL 01 & 03 DPS REMODEL**

4501 S 2700 W
TAYLORSVILLE, UTAH 84129

REVISIONS

NO.	DATE	DESCRIPTION
1	11/30/23	ADDENDUM #01

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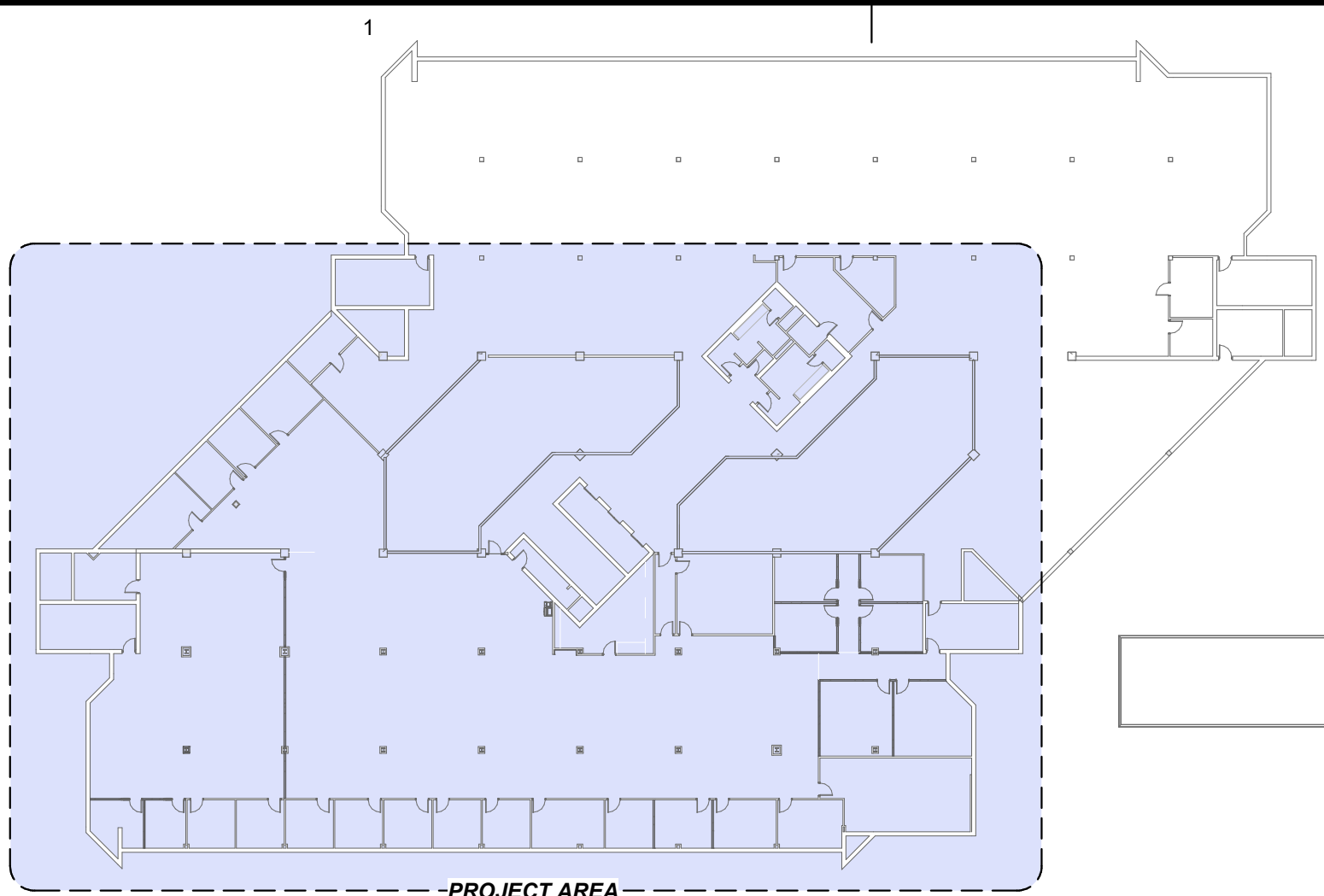
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LEVEL 1 LIGHTING PLAN

SHEET NUMBER

EL101



D1 LEVEL 3 KEYPLAN
SCALE: 1" = 40'-0"



A1 LEVEL 3 LIGHTING PLAN
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

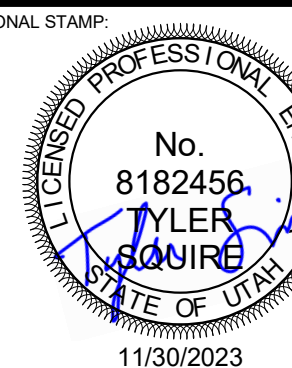
- EXISTING EMERGENCY LIGHTING IS PROVIDED BY EMERGENCY BATTERIES. MAINTAIN EXISTING EMERGENCY LIGHTING LOCATIONS.
- BID ALTERNATE: REPLACE EXISTING LEVEL 3 GRID CEILING. REMOVE ALL LIGHT FIXTURES AND CEILING DEVICES AND RELOCATE THEM TO THE NEW CEILING.**

SHEET KEYNOTES

- CONNECT TO EXISTING LIGHTING CIRCUIT PREVIOUSLY FEEDING LIGHTING IN THIS AREA.
- PROVIDE NEW EMERGENCY BATTERY FOR THE FIXTURE INDICATED.
- SEPARATE CONTROL FOR LIGHTING IN SBI OPEN OFFICE FROM EXISTING CONTROLS. PROVIDE NEW DIMMING CONTROLLER AS INDICATED. MAINTAIN CIRCUITING.
- MAINTAIN EXISTING LIGHTING CIRCUITING AND CONTROLS IN THIS AREA.
- CIRCUIT AND CONTROL WITH LEVEL 3 LIGHTING CIRCUIT FEEDING THIS AREA.
- PROVIDE NEW LIGHT ON LEVEL 4 CEILING. CIRCUIT AND CONTROL WITH FIXTURES ON LEVEL 3.



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REVISIONS
NO. DATE DESCRIPTION
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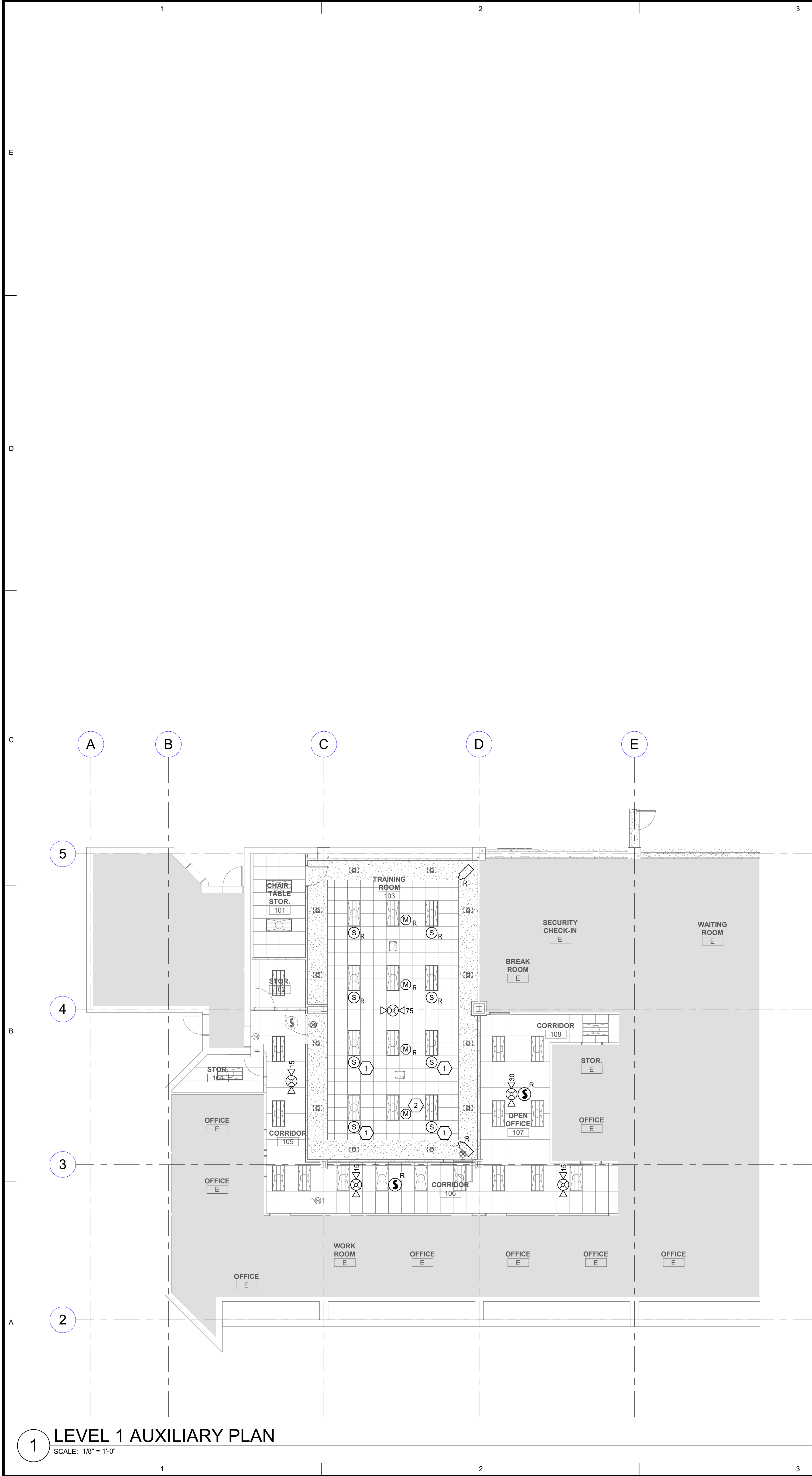
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**LEVEL 3 LIGHTING
PLAN**

SHEET NUMBER

EL103

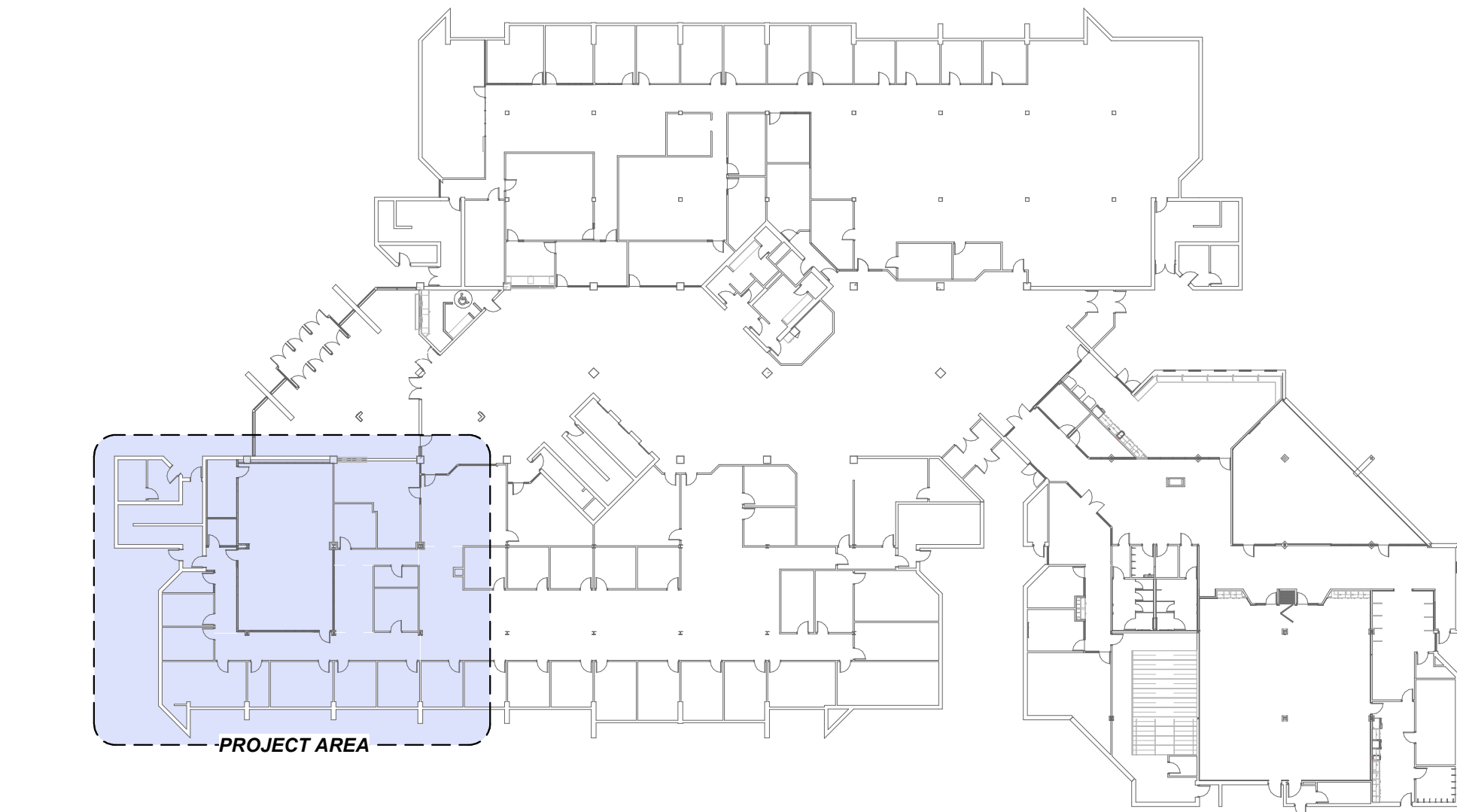
ARCHITECT'S INFORMATION



1 LEVEL 1 AUXILIARY PLAN
SCALE: 1/8" = 1'-0"

- ### GENERAL SHEET NOTES
- CONNECT NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM SYSTEM.
 - PROVIDE ROUGH-IN FOR SECURITY DEVICES ONLY. SECURITY DEVICE AND SYSTEM INSTALLATION SHALL BE BY OTHERS.
 - BID ALTERNATE: REPLACE EXISTING LEVEL 3 GRID CEILING. REMOVE ALL LIGHT FIXTURES AND CEILING DEVICES AND RELOCATE THEM TO THE NEW CEILING.

- ### SHEET KEYNOTES
- PROVIDE NEW SPEAKER MATCHING EXISTING SPEAKERS. CONNECT TO EXISTING A/V SYSTEM. COORDINATE EXACT LOCATION REQUIREMENTS WITH A/V INSTALLER PRIOR TO ROUGH-IN.
 - PROVIDE NEW MICROPHONE MATCHING EXISTING MICROPHONES. CONNECT TO EXISTING A/V SYSTEM. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH A/V INSTALLER PRIOR TO ROUGH-IN.



A5 LEVEL 1 KEYPLAN
SCALE: 1" = 40'-0"

ARCHITECTS INFORMATION

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**2023 CALVIN RAMPTON BUILDING
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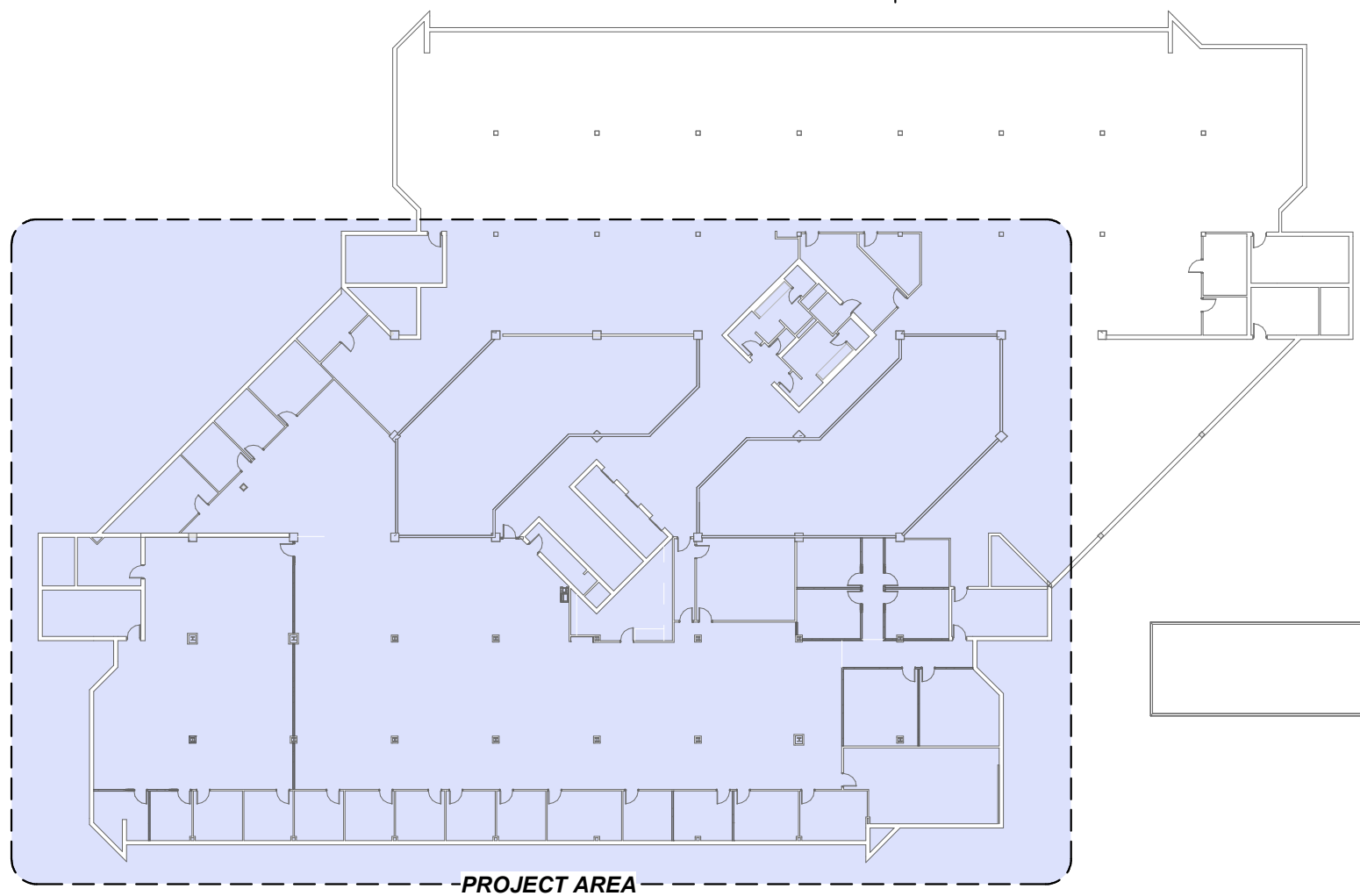
SHEET TITLE

**LEVEL 1 AUXILIARY
PLAN**

SHEET NUMBER

EY101

4501 S 2700 W
TAYLORSVILLE, UTAH 84129



D1 LEVEL 3 KEYPLAN
SCALE: 1" = 40'-0"

GENERAL SHEET NOTES

1. CONNECT NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM SYSTEM.
2. PROVIDE ROUGH-IN FOR SECURITY DEVICES ONLY. SECURITY DEVICE AND SYSTEM INSTALLATION SHALL BE BY OTHERS.
3. BID ALTERNATE: REPLACE EXISTING LEVEL 3 GRID CEILING. REMOVE ALL LIGHT FIXTURES AND CEILING DEVICES AND RELOCATE THEM TO THE NEW CEILING.

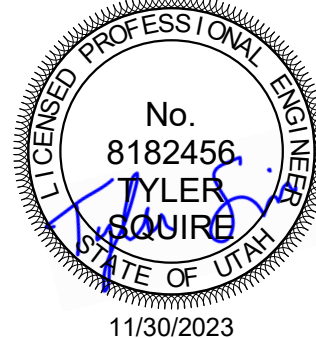
SHEET KEYNOTES

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SHEET TITLE

LEVEL 3 AUXILIARY PLAN

SHEET NUMBER

EY103