






























































ELECTRICAL SYMBOL SCHEDULE			
SYMBOL	DEVICE/FITURE DESCRIPTION	MOUNTING	COMMENTS
	SMOKE DETECTOR	CEILING	(9)(11)
	SMOKE DETECTOR, SOUNDER BASE	CEILING	(9)
	SMOKE DETECTOR, SOUNDER BASE, WALL	7'-6"	(9)(11)
	SMOKE DETECTOR, SOUNDER BASE, VISUAL IND.	CEILING	(9)
	SMOKE DETECTOR, SOUNDER BASE, VISUAL IND., WALL	7'-6"	(9)(11)
	CARBON MONOXIDE DETECTOR	CEILING	(9)(11)
	DUCT SMOKE DETECTOR	SEE MECH.	(9)
	FIRE/SMOKE DAMPER	SEE MECH.	(9)
	HEAT DETECTOR	CEILING	(9)(11)
	BEAM DETECTOR, RECEIVER		(9)
	BEAM DETECTOR, TRANSMITTER		(9)
	BEAM DETECTOR, RECEIVER/TRANSMITTER		(9)
	BEAM DETECTOR, REFLECTOR		(9)
	FLAME DETECTOR		(9)
	FIRE FIGHTER TELEPHONE OUTLET		(9)(11)
	FIRE ALARM MANUAL PULL STATION	4'-0"	(9)(11)
	FIRE ALARM STROBE, ATTRIBUTE SIGNIFIES CANDELA RATING	7'-6"	(9)(11)
	FIRE ALARM HORN	7'-6"	(9)(11)
	FIRE ALARM HORN STROBE, ATTRIBUTE SIGNIFIES CANDELA RATING	7'-6"	(9)(11)
	FIRE ALARM SPEAKER	7'-6"	(9)(11)
	FIRE ALARM SPEAKER STROBE, ATTRIBUTE SIGNIFIES CANDELA RATING	7'-6"	(9)(11)
	CEILING MOUNT FIRE ALARM HORN STROBE, ATTRIBUTE SIGNIFIES CANDELA RATING	CEILING	(9)(11)
	CEILING MOUNT FIRE ALARM SPEAKER STROBE, ATTRIBUTE SIGNIFIES CANDELA RATING	CEILING	(9)(11)
	CEILING MOUNT FIRE ALARM HORN	CEILING	(9)(11)
	FIRE SPRINKLER FLOW BELL	7'-6" AFF	(9)
	FIRE ALARM CHIME	AS NOTED	(9)
	FIRE ALARM, LOW FREQUENCY, VISUAL	AS NOTED	(9)
	FIRE ALARM, LOW FREQUENCY, NON-VISUAL	AS NOTED	(9)
	ELECTRO MAGNETIC DOOR HOLDER	AS NOTED	(9)
	RELAY MODULE		(9)
	MONITOR MODULE		(9)
	CONTROL MODULE		(9)
	PRESSURE SWITCH		(9)
	TAMPER SWITCH		(9)
	FLOW SWITCH		(9)
	LOOP ISOLATION MODULE		(9)
	FIRE EXTINGUISHER MONITOR		(9)
	FIRE RISER	SEE PLANS	(9)
	ANNUNCIATOR PANEL		(9)
	NOTIFICATION APPLANCE CONTROL PANEL		(15)
	FIRE ALARM PANEL, SURFACE	AS NOTED	(15)
	FIRE ALARM PANEL, RECESSED	AS NOTED	(15)
	CABLE TRAY		
	MAIN DISTRIBUTION POWER PANEL		
	PANEL, BOARD, SURFACE	6'-6" TO TOP	
	PANEL, BOARD, RECESSED	6'-6" TO TOP	
	TELEPHONE OUTLET, SINGLE PORT	18"	
	TELEPHONE OUTLET, SINGLE OUTLET, CUSTOM HEIGHT		(6)
	DATA OUTLET, DUAL PORT	18"	
	DATA OUTLET, DUAL PORT, CUSTOM HEIGHT		(6)
	DUAL DATA AND SINGLE TELEPHONE PORT	18"	
	DUAL DATA AND SINGLE TELEPHONE PORT, CUSTOM HEIGHT		(6)
	DATA OUTLET, ATTRIBUTE SIGNIFIES PORT QUANTITY	18"	
	TELEPHONE OUTLET, SINGLE PORT, FLOOR MOUNTED	FLOOR	
	DATA OUTLET, DUAL PORT, FLOOR MOUNTED	FLOOR	
	TELEVISION OUTLET	AS NOTED	(6)(11)
	CEILING WI-FI ACCESS POINT, DUAL DATA PORT	CEILING	(17)
	MAIN TELEPHONE BOARD	6'-6" TO TOP	
	SECURITY PANEL, SURFACE	AS NOTED	
	SECURITY PANEL, RECESSED	AS NOTED	
	MAIN DISTRIBUTION FRAME	6'-6" TO TOP	
	INTERMEDIATE DISTRIBUTION FRAME	6'-6" TO TOP	

ELECTRICAL SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
	2x4 LINEAR LIGHT FIXTURE	CEILING	(1) (2) (3)(16)
	2x4 LINEAR EMERGENCY LIGHT FIXTURE	CEILING	(1) (2) (3)(16)
	2x4 LINEAR CRITICAL LIGHT FIXTURE	CEILING	(1) (2) (3)(16)
	2x2 LINEAR LIGHT FIXTURE	CEILING	(1) (2) (3)(16)
	2x2 LINEAR EMERGENCY LIGHT FIXTURE	CEILING	(1) (2) (3)(16)
	2x2 LINEAR CRITICAL LIGHT FIXTURE	CEILING	(1) (2) (3)(16)
	RECESSED LIGHT FIXTURE	CEILING	(1) (3)
	RECESSED EMERGENCY LIGHT FIXTURE	CEILING	(1) (3)
	RECESSED WALL WASH LIGHT FIXTURE	CEILING	(1) (3)
	CEILING LIGHT FIXTURE	CEILING	(1) (2)
	PENDANT/CHANDELIER LIGHT FIXTURE	SUSPENDED	(1) (2) (3)
	WALL LIGHT FIXTURE, SURFACE	AS NOTED	(1) (2)
	WALL LIGHT FIXTURE, RECESSED	AS NOTED	(1) (2)
	TRACK LIGHT FIXTURE WITH TRACK	CEILING	(1) (2) (3)
	CEILING FAN	SUSPENDED	
	FLOOD/LANDSCAPE/MONUMENT LIGHT FIXTURE	GROUND	(1) (2) (3)
	AREA LIGHT FIXTURE	POLE	(1) (2)
	BOLLARD LIGHT	GROUND	
	BOLLARD LIGHT, POLE TOP AREA LIGHT	POLE	(1) (2)
	EXIT SIGN, WALL, ARROW INDICATES DIRECTION	7'-6"	(1) (2) (4) (5)
	EXIT SIGN, ARROW INDICATES DIRECTION	CEILING	(1) (4) (5)
	EMERGENCY LIGHT FIXTURE, WALL	7'-6"	(1) (2)
	PHOTO-ELECTRIC CELL	AS NOTED	
	POWER PACK	CEILING	
	SLAVE PACK	CEILING	
	MINI POWER PACK	CEILING	
	ROOM CONTROLLER	CEILING	
	EMERGENCY CONTROL UNIT	CEILING	
	DUAL TECHNOLOGY VACANCY SENSOR	CEILING	(7)
	DUAL TECHNOLOGY VAC. SENSOR, WALL	AS NOTED	(7)
	DUAL TECHNOLOGY VAC. SENSOR WITH DIMMER, WALL	AS NOTED	(7)
	DUAL TECHNOLOGY VAC. SENSOR SWITCH, 1-BUTTON	4'-0"	(7)
	DUAL TECHNOLOGY VAC. SENSOR SWITCH WITH DIMMER, 1-BUTTON	4'-0"	(7)
	DUAL TECHNOLOGY VAC. SENSOR SWITCH, 2,BUTTON	4'-0"	(7)
	DAYLIGHT SENSOR	CEILING	
	PASSIVE INFRARED SENSOR	CEILING	
	SINGLE POLE SWITCH	4'-0"	
	DOUBLE POLE, SINGLE THROW SWITCH	4'-0"	
	THREE WAY SWITCH	4'-0"	
	THREE WAY SWITCH ATTRIBUTE SIGNIFIES FIXTURE SWITCHING	4'-0"	
	FOUR WAY SWITCH	4'-0"	
	DUAL LEVEL SWITCH BANK	4'-0"	
	DIMMER SWITCH	4'-0"	
	LOW VOLTAGE SWITCH	4'-0"	
	KEYED SWITCH, SINGLE POLE	4'-0"	(15)
	7-DAY TIMER SWITCH, SINGLE POLE	4'-0"	(15)
	TOUCH PANEL	4'-0"	
	TIME CLOCK	AS NOTED	
	LIGHTING CONTROL PANEL, SURFACE	8'-6" TO TOP	
	LIGHTING CONTROL PANEL, RECESSED	8'-6" TO TOP	

Architecture and Interiors	
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<div> 181 E 5600 S, Murray, UT 84107 (801) 530-3148 info@resolutgroup.com resolutgroup.com</div> <div>Project #: 250296</div>	
UCA MILLCREEK HEAD START RENOVATION 336 E 3900 S - SALT LAKE CITY, UT 84107	
Architect Seal	
CONSTRUCTION DOCUMENTS	
ISSUE / REVISION	
Mark	Date Description
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ELECTRICAL NOTES & SYMBOLS	
EG001	

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NAME: P1		VOLTAGE: 208 / 120		MOUNTING: 20" W		MAINS: LUGS ONLY		DIMS: 20" W 5.75" D " H		SPECIAL EQUIPMENT GROUND BUS SUB-FEED BREAKER SUB-FEED LUGS NEMA 3R SURGE PROTECTOR					
TYPE: NQ		PH 3 WIRES 4		BOTTOM FEED FROM: METER		BUSS RATING: 225AMPS									
1ST FLOOR HALL								30SPACES							
LOCATION		AIC AMPS													
DF	CKT #	CIRCUIT DESCRIPTION	CODE	BRKR P AMP	WIRE SIZE	VA LOAD	PHASE VA		WIRE SIZE	BRKR AMP	P	CODE	CIRCUIT DESCRIPTION	CKT #	DF
	1	KITCHEN RCPT		1 0 12		0	A	B	C	12	0 3		AIR	4	
	3	FIRE ALARM		1 0 12		0		0		-	-	-		2	
	5	KITCHEN RCPT		1 0 12		0				-	-	-		4	
	7	EAST RCPT		1 0 12		0				12	0 3		AIR	8	
C	9	LIGHTING		1 20 12	500	500		500		-	-	-		10	
	11	PLUGMOLD CLOSET		1 0 12		0		0		-	-	-		12	
	13	RECEPTION RCPTS		1 0 12		0				12	0 1		KITCHEN RCPTS	14	
R	15	CLASS ROOM RCPTS		1 20 12	1080	1080				12	0 1		REFRIGERATOR	16	
	17	COUNTER RCPTS		1 20 12	900	900		900		12	0 2		SUB PANEL	18	
	19	CONFERENCE RCPTS		1 0 12		0				-	-	-		20	
	21	CONFERENCE LTGS		1 0 12		1248			1248	12	20 2		AC-1	22	M
R	23	LOBBY RCPTS		1 20 12	900	2148		2148	1248	-	-	-		24	M
M	25	EP-1		1 20 12	204	204		204		12	0 1		W. CLASSROOM RCPT	26	
	27	ELEVATOR		1 0 12		0		0		12	0 1		BATHROOM RCPT	28	
	29	SPACE				0		0		12	0 1		W. CLASSROOM LTGS	30	
DIVERSITY FACTORS (DF):						CONNECTED VA	204	2828	3048	6.1	KVACBUSES:				
C=CONTINUOUS						CONNECTED AMPS	2	24	25	17A	1= SEE DRAWINGS FOR CONDUIT & CONDUCTOR SIZE				
N=NON-CONTINUOUS									6KVA	2= SHUNT-TRIP BREAKER	5= GFCI BREAKER				
R=RECEPTACLES									17A	3= GFCP BREAKER					
K=KITCHEN EQUIPMENT										4= PROVIDE LOCK OFF DEVICE					
THIS PANEL, ALL OF ITS LUGS, BREAKERS, ETC. SHALL BE RATED FOR 75°C															

ELECTRICAL																		OVER CURRENT PROTECTION					STR	REMARKS
TYPE	DESCRIPTION	VOLT	PHASE	LOAD	FLA	WIRE				COND	MOCP	TYPE	DISCONNECT		FUSE	NEMA								
						SETS	QTY	SIZE	GND				SIZE	SIZE	POLE	SIZE	SIZE							
AC - 1	SPLIT UNIT	208	1	15.00MCA	12.0	1	2	12	12	3/4	20	C1	-	-	-	-	17B							
OU - 1	OUTDOOR UNIT	208	1	15.00MCA	12.0	1	2	12	12	3/4	20	C1	30	2	20	-	1B							
EP - 1	PUMP	120	1	1.70FLA	1.7	1	2	12	12	3/4	20	C1	30	1	3	0	8B							
ABBREVIATIONS:																								
KW = KILOWATTS		VA = VOLT AMPERES				DISC = DISCONNECT				OCPD = OVERCURRENT PROTECTIVE DEVICE														
V/PH = VOLTAGE/PHASE		KVA = KILOVOLT AMPERES				GND = GROUND				COND = CONDUIT														
HP = HORSEPOWER		FLA = FULL LOAD AMPERES				STR = STARTER				MOCP = MAXIMUM OCPD (LISTED BY THE MANUFACTURER)														
W = WATTS		MCA = MINIMUM CIRCUIT AMPACITY				PL = POLE																		
REMARKS:																		REMARKS:						
1. NEMA 1 FUSED DISCONNECT SWITCH																		A. FURNISHED, INSTALLED AND CONNECTED UNDER DIVISION 26.						
2. NEMA 1 NON-FUSED DISCONNECT SWITCH																		B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTION UNDER DIV 26.						
3. BREAKER IN ENCLOSURE																		C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIV 26.						
4. MANUAL STARTER WITH THERMAL OVERLOAD																		D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION.						
5. MANUAL MOTOR CONTROLLER W/OUT THERMAL OVERLOAD																		E. FURNISHED AND INSTALLED UNDER DIV 26 REQUIRING CONNECTION UNDER ANOTHER DIVISION.						
6. MAGNETIC STARTER																								
7. MAGNETIC STR/NON-FUSED DISCONNECT COMBINATION																								
8. MAGNETIC STR/FUSED DISCONNECT COMBINATION																								
9. NEMA 3R FUSED DISCONNECT SWITCH																								
10. NEMA 3R NON-FUSED DISCONNECT SWITCH																								
11. VARIABLE FREQUENCY DRIVE																								
12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.																								
13. DIRECT CONNECTION																								
14. DUCT DETECTOR IN RETURN AIR DUCT. PROVIDE RELAY/CONTROL MODULE AND 120V POWER AS REQUIRED TO TIE TO FIRE ALARM FOR AUTOMATIC SHUT OFF.																								
15. CONTROLLED WITH LIGHTS																								
16. LM-EB DISCONNECT W/CNTRL WIRING TO VFD																								
17. SPLIT SYSTEM. INDOOR UNIT FED FROM OUTDOOR UNIT.																								
GENERAL NOTE: THE EC SHALL COORDINATE ALL REQUIREMENTS (IE: MOCP SIZE, UNIT THERMAL PROTECTION, ETC) WITH APPROVED MECHANICAL SHOP DRAWINGS/SUBMITTALS AND BRING UP ANY DISCREPANCIES WITH THE ELECTRICAL ENGINEER OF RECORD IN WRITING PRIOR TO ROUGH-IN AND ORDERING OF MATERIALS.																								

LUMINAIRE SCHEDULE								
TYPE	FIXTURE DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTS	TYPE	MOUNTING	DIMMING	VA
R1	GRID 2X2 RECESSED LED TROFFER FIXTURE. PROVIDE A TRIM KIT FOR DRYWALL.	COOPER	22CZ2-32-UNV-L840-CD1-U	120-277	LUMENS: LED 3200 CRI: 80 CCT: 4000K	RECESSED	0-10	24.2
R2	GRID 2X4 RECESSED LED TROFFER FIXTURE. PROVIDE A TRIM KIT FOR DRYWALL.	COOPER	24CZ2-40-UNV-L840-CD1-U	120-277	LUMENS: LED 4000 CRI: 80 CCT: 4000K	RECESSED	0-10	30.4
U1	UNDERCABINET UNDERCABINET STRIP LIGHT. ROCKER SWITCH FOR CONTROL WITH WHITE FINISH.	KENALL	AUCLED-I-MW-20L40K-48-10-SW		LUMENS: LED 2035 CRI: 80 CCT: 4000K	SURFACE	NA	22
L1	LINEAR PENDANT WALL MOUNT PENDANT WITH TENSION TURN BUCKLE. CORRDINATE WITH ARCHITECT FOR FINISH COLOR.	PURE EDGE	LZL-4RD-3W-30-40KZ-SCBA		LUMENS: LED 322LM/FT CRI: 90 CCT: 4000K	SURFACE	0-10	99
P1	PENDANT LED MINI CYLINDER, WITH WHITE FINISH. CABLE MOUNTED.	NORA	NYLM-3C-40X-WW-LE4		LUMENS: LED 1948 CRI: 90 CCT: 4000K	SURFACE	0-10	23.21
X1	EXIT DEVICE EDGE LIT EXIT SIGN WITH SELF DIAGNOSTICS AND UNIVERSAL CHEVERON KIT. NI-CAD BATTERY.	LITHONIA	LQM-S-W-3-G-120/277-EN-N-M6		LUMENS: CRI: CCT: GREEN	SURFACE	NA	5

Luminaire Schedule General Notes:

1 Refer to Luminaire description for fixture requirements. Manufactures model numbers may not be specific or complete. The contractor is responsible to provide complete fixtures as described on this schedule with all mounting hardware and equipment for a complete installation.

2 Refer to the architectural reflected ceiling drawings for exact fixture locations and ceiling types. Verify exact ceiling types and bring to the attention of the architect and electrical engineer any discrepancies prior to bid. Fixtures shall match architectural ceiling types.

3 Provide all fixture support and seismic bracing to secure fixture to structure, walls and ceiling systems. Refer to mounting details for additional requirements. Provide all pole bases as shown on the details.

4 Prior approval shall be required for all manufacturers who are not listed on this schedule. The prior approvals shall be submitted to the electrical engineer (7) working days prior to the bid. Prior approvals received after this time cut-off shall not be reviewed or approved.

5 Submittals for prior approval shall be equivalent to the specified fixtures and reviewed and signed by the principle of the organization that is submitting for approval. Provide complete fixture submittals as listed in the specification. All information that does not apply to the fixture being submitted shall be crossed out. The electrical engineer shall be the final determination if the fixture is equivalent or not.

6 Fixtures that have been reviewed and approved as equivalent to the specified fixtures shall be listed in and addendum prior to bid. Light fixtures without prior approval are rejected and contractor shall base their bid on the approved listed fixtures. A verbal approval will not be given or approved by VBFA at any time.

7 Any additional time required to verify if submitted fixture meets all photometric requirements shall be paid by the agency requesting approval. Photometric point-by-point plans may be required from the agency submitting for approval indicating equivalency.

8 Color temperature for all interior luminaires shall be 4000K and 3000K for exterior luminaires unless noted otherwise in the schedule.

9 Verify exact fixture finishes with the architect prior to submittal.

10 Provide minimum 5 year warranty on all light fixtures.

11 LED light fixtures shall meet LM79 and LM80 standards with +50,000 hour L70 lamp life

12 Luminaire shall be listed per NEC 410.6.

13 Lumens specified for fixtures with integral LEDs are total delivered fixture lumens

14 Fixtures identified as emergency on the plans shall be provided with an emergency battery pack or remote inverter with a 1400 lumen output minimum for each emergency fixture or full lumen output if lumen output of luminaire is less than 1400 lumens.

15 Provide IC rated housing for recessed fixtures in contact with insulation.

16 Provide dimming wiring to accommodate dimming protocol specified on schedule for a complete dimmable system.

17 Provide battery pack for exit signs not tied to an emergency circuit on generator.

Architecture and Interiors

MSRDesign

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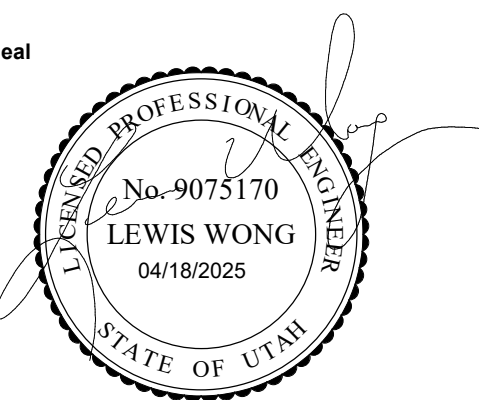


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Project #: 250296

**UCA MILLCREEK
HEAD START
RENOVATION**

Architect Seal



CONSTRUCTION DOCUMENTS

ISSUE / REVISION

Mark	Date	Description
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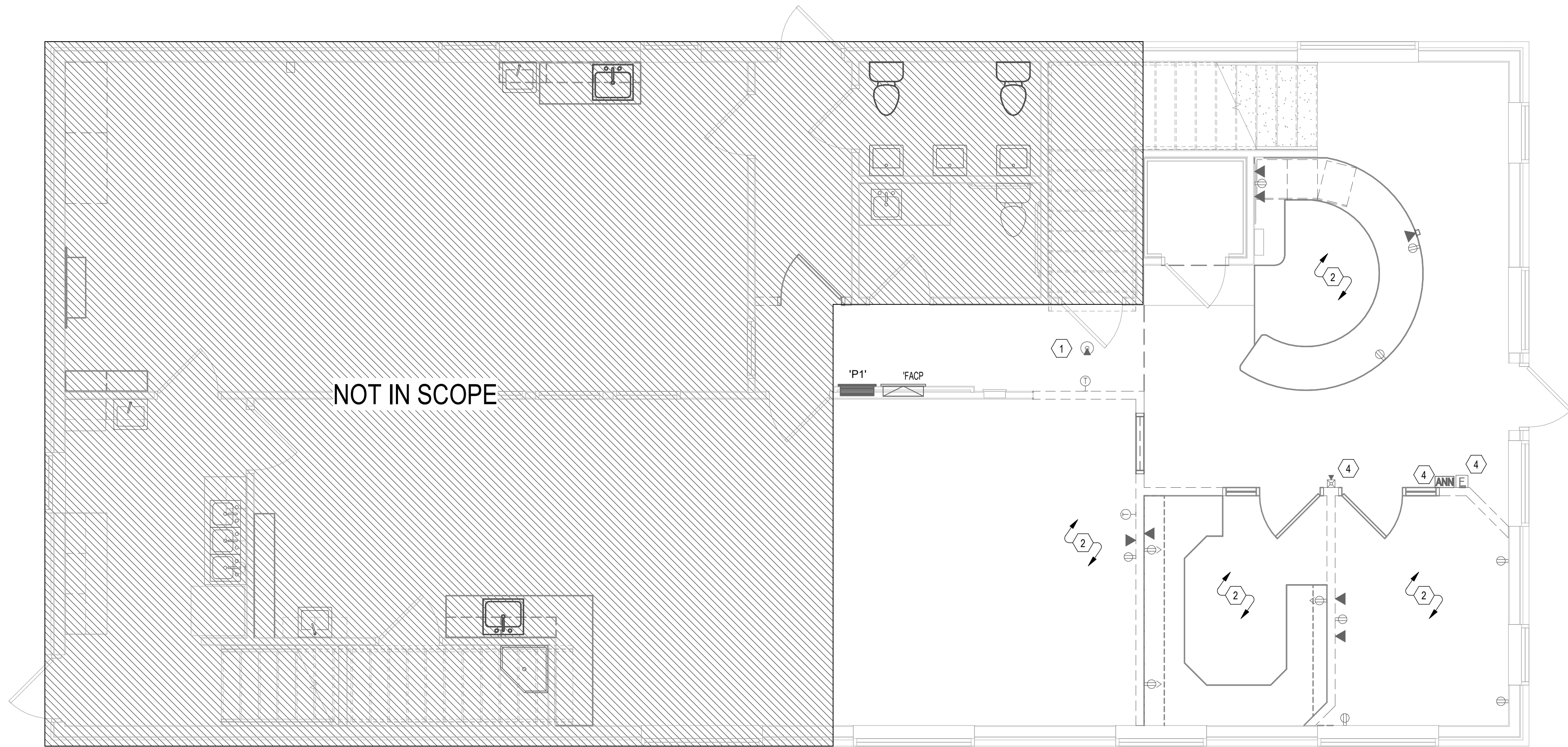
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ELECTRICAL SCHEDULES

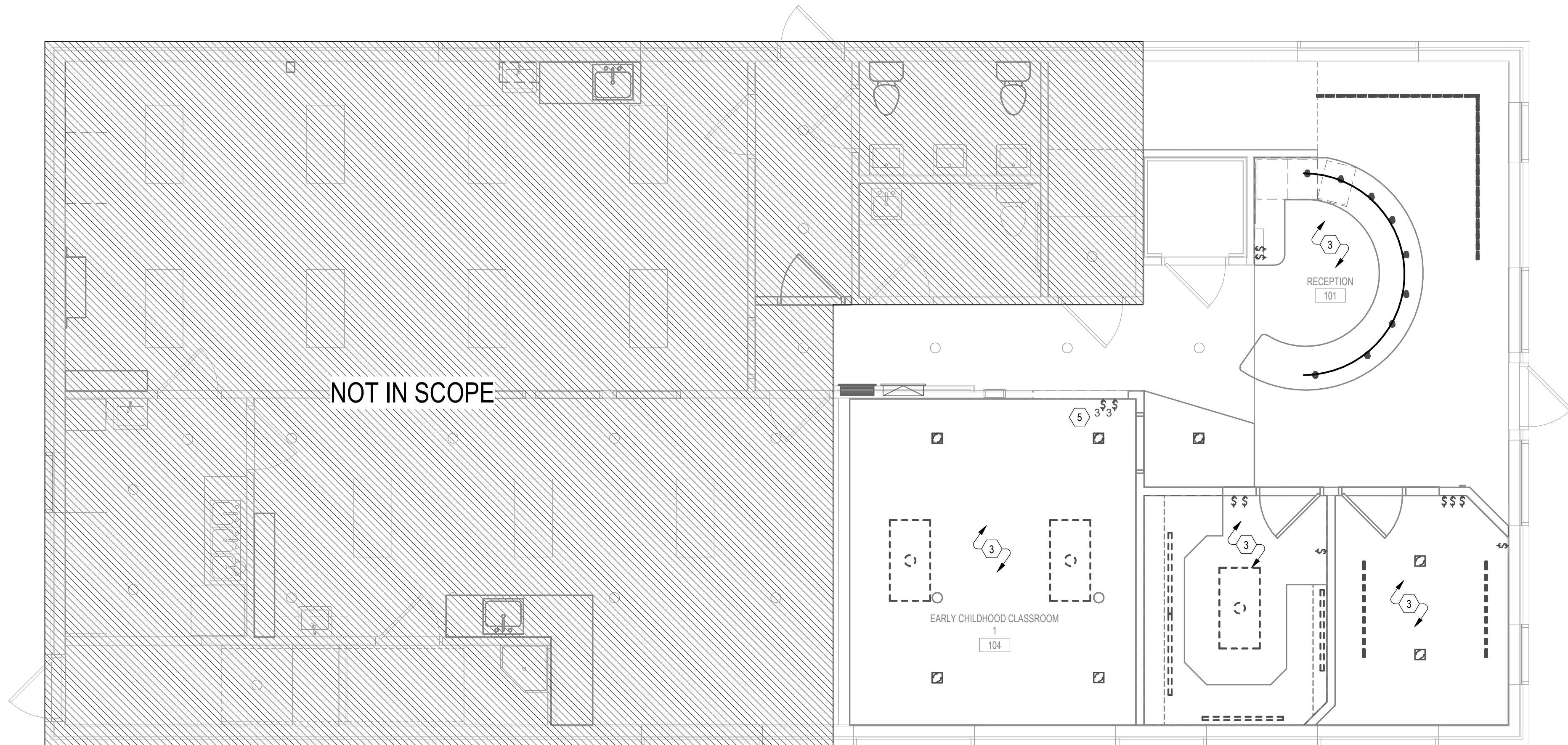
EG601

NOT FOR CONSTRUCTION

Drawing: 2024-07-10 10:10:10 - User: Schema 1 - Description: UCA Millcreek Head Start Renovation, E.D.C. 2024



1
ED101
LEVEL 1 POWER DEMOLITION PLAN
1/4" = 1'-0"



2
ED101
LEVEL 1 LIGHTING DEMOLITION PLAN
1/4" = 1'-0"

KEYED NOTES

- EXISTING DEVICE TO REMAIN. PROTECT AND MAINTAIN CIRCUIT INTEGRITY.
- DEMOLISH EXISTING DEVICE. REMOVE CONDUIT AND WIRE BACK TO NEAREST REMAINING DEVICE. MAINTAIN CIRCUIT INTEGRITY. IF NO DEVICES REMAIN, REMOVE CONDUIT AND WIRE BACK TO SOURCE AND MARK BREAKER AS SPARE. PROVIDE NEW UPDATED TYPED PANEL SCHEDULE INDEX. IF CONDUIT IS INACCESSIBLE, CUT CONDUIT FLUSH WITH STRUCTURAL SURFACE.
- DEMOLISH EXISTING LIGHT FIXTURES. REMOVE CONDUIT AND WIRE BACK TO NEAREST REMAINING DEVICE. MAINTAIN CIRCUIT INTEGRITY. IF NO DEVICES REMAIN, REMOVE CONDUIT AND WIRE BACK TO SOURCE AND MARK BREAKER AS SPARE. PROVIDE NEW UPDATED TYPED PANEL SCHEDULE INDEX. IF CONDUIT IS INACCESSIBLE, CUT CONDUIT FLUSH WITH STRUCTURAL SURFACE.
- EXISTING DEVICE TO BE REMOVED AND REINSTALLED. EXTEND ALL CONDUCTORS AND CONDUIT AS REQUIRED.
- EXISTING THREE WAY SWITCHES TO BE REMOVED. EC SHALL REWORK LIGHTING IN EXISTING CLASSROOM TO BE CONTROLLED USING THREE WAY SWITCHES AT EACH ENTRANCE.

GENERAL NOTES

- EC SHALL COORDINATE WITH ALL OTHER TRADES DURING DEMOLITION AND CONSTRUCTION TO FACILITATE TIMELY WORK.
- ALL AREAS ARE TO BE KEPT CLEAN AND CLEAR OF DEBRIS AT ALL TIMES.
- CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS, CEILINGS ETC. TO MATCH EXISTING CONDITIONS. PENETRATIONS SHALL BE SEALED WITH FIRE RATED CAULK.
- ROUTE ALL CONDUIT IN A NEAT AND ORDERLY FASHION. ALL CONDUIT SHALL BE CONCEALED ABOVE CEILINGS OR IN WALLS OR FINISHED SPACES UNLESS OTHERWISE INDICATED ON THE PLANS.
- DEVICES SHOWN ON DEMOLITION SHEETS ARE GATHERED FROM AS-BUILT DRAWINGS AND FIELD INVESTIGATION. NOT ALL DEVICES ARE SHOWN. DEVICE PLACEMENT IS SCHEMATIC AND NOT EXACT. CONTRACTOR TO FIELD VERIFY FOR EXACT LOCATIONS AND COORDINATE WORK WITH ALL OTHER DEVICES, EQUIPMENT, CONDUIT, ETC. WHETHER OR NOT SHOWN TO COMPLETE PROJECT.
- CONTRACTOR TO COORDINATE WITH OWNER FOR ITEMS TO BE SALVAGED PRIOR TO DEMOLITION. CONTRACTOR RESPONSIBLE FOR DISPOSING OF ANY MATERIAL THAT THE OWNER DOES NOT WANT TO KEEP.
- CAP AND LABEL ALL EMPTY CONDUIT TO REMAIN.
- DEVICES/EQUIPMENT SHOWN IN GRAY ARE EXISTING TO REMAIN. PRESERVE AND PROTECT. MAINTAIN EXISTING CIRCUIT INTEGRITY.

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CONSTRUCTION DOCUMENTS

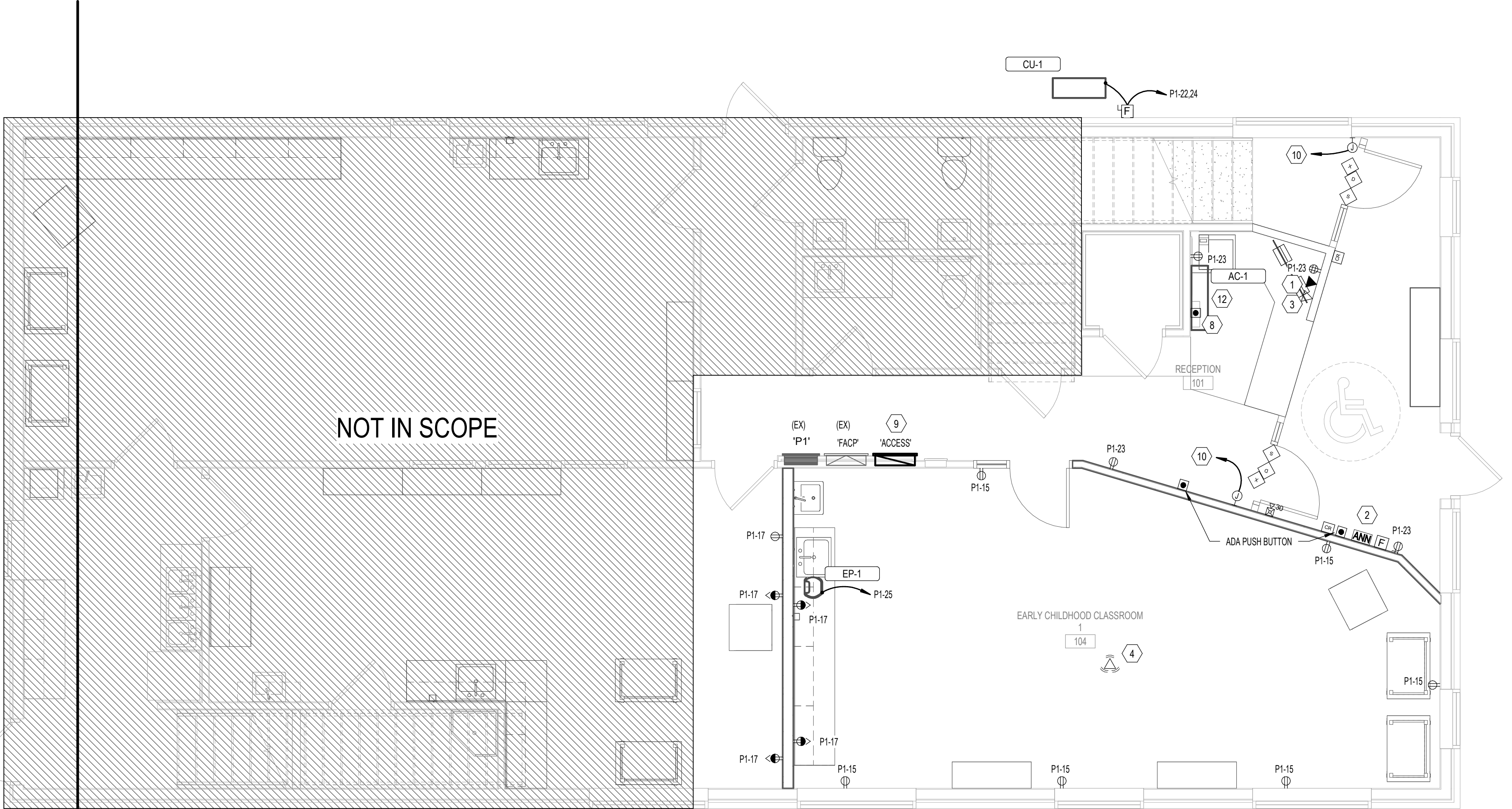
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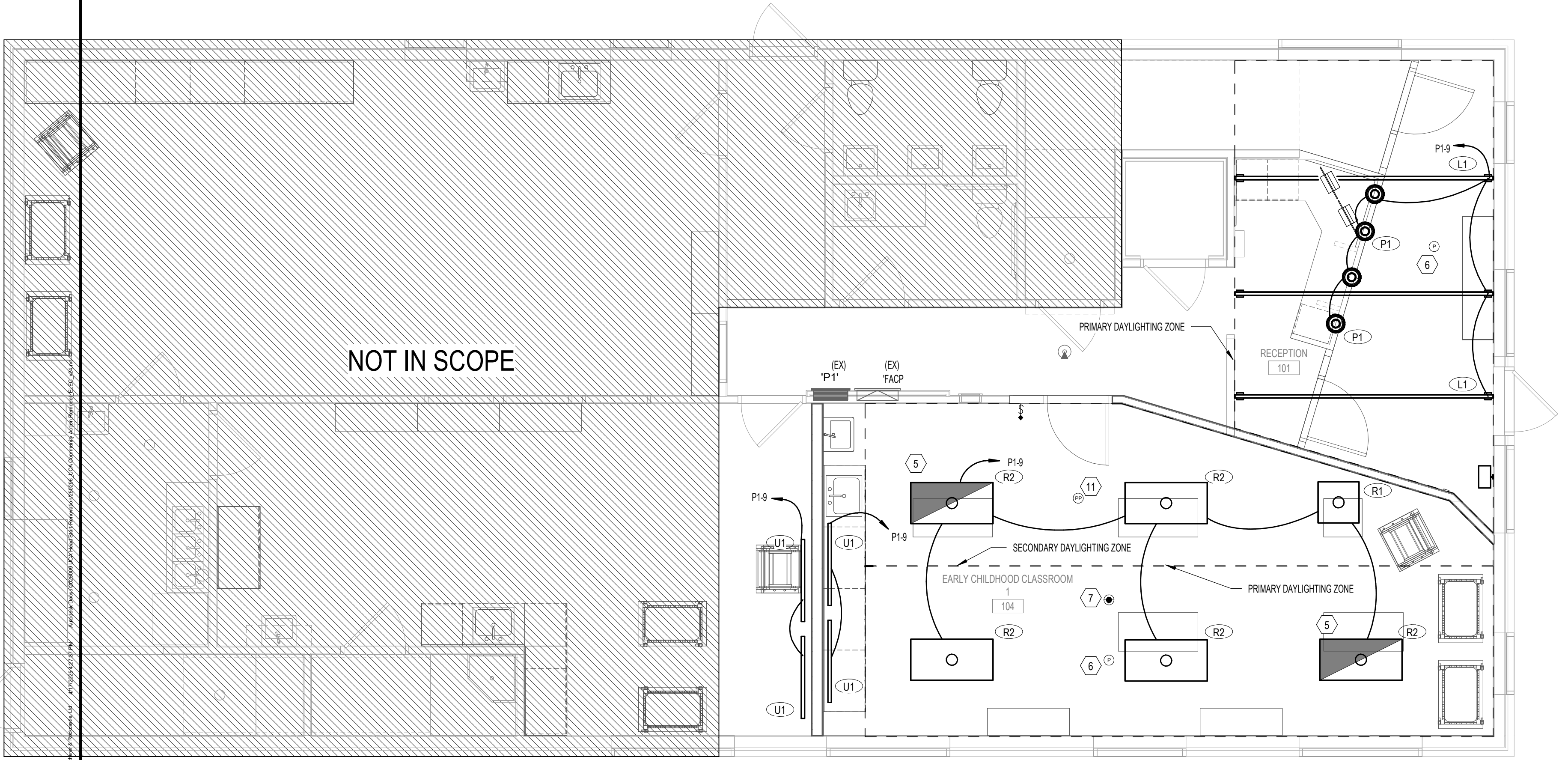
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LEVEL 1 ELECTRICAL
DEMOLITION PLANS

ED101



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



LEVEL 1 LIGHTING PLAN
1/4" = 1'-0"

- ### KEYED NOTES
1. INSTALL DEVICE IN MILLWORK. COORDINATE WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
 2. RE-INSTALL FIRE ALARM ANNUNCIATOR. EXTEND EXISTING 120V POWER AND RECONNECT.
 3. FURNISH AND INSTALL A 4"x4"x2-3/8" J-BOX FOR TELEDATA OUTLETS. PROVIDE A SINGLE GANG MUD RING AND RUN A 1" CONDUIT FROM J-BOX TO NEAREST ACCESSIBLE CEILING SPACE. LOCATE J-BOX WITHIN 12" OF DUPLEX OUTLET.
 4. PROVIDE FLUSH MOUNTED J-BOX IN CEILING FOR WIRELESS ACCESS.
 5. PROVIDE AN EMERGENCY BATTERY PACK FOR EMERGENCY LIGHTS. FIXTURE SHALL DELIVER 1400 LUMENS MINIMUM UPON COMMERCIAL POWER FAILURE REGARDLESS OF CONTROL DEVICE POSITION. RUN AN UNSWITCHED HOT CONDUCTOR AHEAD OF THE SWITCHING DEVICE TO THE BATTERY PACK FROM THE SAME CIRCUIT AS NORMAL FIXTURE OPERATION.
 6. FURNISH AND INSTALL A PHOTOCELL TO DIM THE LIGHTS INDICATED IN THE SPACE WHEN SUFFICIENT DAYLIGHT IS PRESENT. COORDINATE WITH OWNER/ARCHITECT FOR FOOTCANDLE THRESHOLD REQUIREMENTS. PROVIDE CONDUIT, CONDUCTORS, POWER PACKS, ETC. AS NEEDED FOR A COMPLETE INSTALLATION.
 7. FURNISH AND INSTALL A CEILING MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR TO CONTROL THE LIGHTING IN THE SPACE. LOCATE SENSOR IN SPACE FOR MAXIMUM COVERAGE. PROVIDE ADDITIONAL SENSORS AS NEEDED. SENSOR MANUFACTURER TO PROVIDE A LAYOUT SHOWING ADEQUATE COVERAGE OF EACH SPACE. IN AREAS WHERE MORE THAN ONE SENSOR IS NEEDED, DETECTION OF ANY OCCUPANCY BY ANY SENSOR IN THE SPACE WILL TURN LIGHTS ON IN THAT SPACE. INSTALL SENSOR A MINIMUM OF 3 FEET FROM DIFFUSER. PROVIDE CONDUIT, CONDUCTORS, POWER PACKS, ETC. FOR A COMPLETE INSTALLATION.
 8. EC SHALL FURNISH AND INSTALL BUTTON AT RECEPTION DESK FOR RECEPTIONIST TO UNLOCK EITHER DOOR TO ALLOW ACCESS USING THE ADA PUSH BUTTON OR WITHOUT CARD ACCESS. BOTH DOORS SHALL FAIL OPEN IN THE LOSS OF POWER.
 9. EC SHALL FURNISH AND INSTALL A NEW ACCESS CONTROL PANEL CIRCUIT TO 120V POWER.
 10. EC SHALL FURNISH AND INSTALL POWER SUPPLY WITH A 120V CONNECTION AND MAKE ALL NECESSARY CONNECTIONS FOR DOOR CONTACTS.
 11. EC SHALL PROVIDE AND INSTALL ALL NECESSARY POWER PACKS REQUIRED FOR LIGHTING IN CLASSROOM.
 12. INDOOR SPLIT UNIT POWERED FROM OUTDOOR UNIT. EC TO MAKE ALL CONNECTIONS NECESSARY FOR A COMPLETE INSTALLATION.

- ### GENERAL NOTES
- A. CIRCUIT EXIT AND EMERGENCY LIGHTS TO THE SAME CIRCUIT FEEDING THE LIGHTING IN THE AREA. RUN AN UNSWITCHED HOT CONDUCTOR UPSTREAM OF THE RELAY, POWER PACK, OR SWITCH TO EXIT AND EMERGENCY LIGHT FIXTURES.
 - B. AREAS SHOWING OCCUPANCY/VACANCY SENSORS IDENTIFY SPACES WHERE THE LIGHTS IN THE SPACE ARE TO BE CONTROLLED BY OCCUPANCY/VACANCY SENSORS AND DO NOT NECESSARILY INDICATE EXACT QUANTITIES AND PLACEMENT. THE CONTRACTOR IS TO COORDINATE WITH THE LOCAL MANUFACTURER'S REPRESENTATIVE FOR EXACT LOCATIONS AND QUANTITIES FOR A 90% MINIMUM COVERAGE OF THE SPACE. PROVIDE APPROPRIATE TYPE TO MATCH CEILING HEIGHT APPLICATION. PROVIDE RELAYS, POWER PACKS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION. INSTALL SENSOR(S) A MINIMUM OF 3 FEET FROM DIFFUSERS. ALL OCCUPANCY SENSORS SHALL BE DUAL-TECHNOLOGY.
 - C. DAYLIGHT RESPONSIVE CONTROL. PHOTOCELLS TO ACTIVATE FOR A LIGHT FIXTURE THAT IS ON IN THE PRIMARY OR SECONDARY DAYLIGHT ZONE, INCLUDING NIGHTLIGHTS, WHEN SUFFICIENT DAYLIGHT IS PRESENT. PROVIDE ADDITIONAL ZONES. POWER PACKS, ETC. AS REQUIRED TO AUTOMATICALLY DIM LIGHTS IN DAYLIGHT ZONES AND MEET SWITCHING REQUIREMENTS. PROVIDE ADDITIONAL ZONES. POWER PACKS, ETC. AS REQUIRED TO ACCOMMODATE SWITCHING INDICATED AND DAYLIGHT HARVESTING ZONES.
 - D. LIGHTING CALLOUTS ARE TYPICAL FOR OTHER LIGHTS IN THE ROOM OF THE SAME LUMINAIRE SYMBOL UNLESS INDICATED OTHERWISE.
 - E. EMERGENCY EGRESS LIGHTS SHALL BE WIRED SUCH THAT WHEN COMMERCIAL POWER FAILS, EACH LIGHT WILL DELIVER A MINIMUM OF 1400 LUMENS OR ITS MAXIMUM LUMEN OUTPUT REGARDLESS OF THE POSITION OF THE CONTROL DEVICE. RUN AN UNSWITCHED HOT CONDUCTOR AHEAD OF THE SWITCHING DEVICE TO THE BATTERY PACK/GENERATOR/TRANSFER DEVICE FROM THE SAME CIRCUIT AS NORMAL FIXTURE OPERATION. LIGHTS TO BE SWITCHED AS SHOWN DURING NORMAL OPERATION.
 - F. PROVIDE DIMMING WIRING FOR SPACES WHERE DIMMERS ARE SHOWN TO CONTROL LIGHTING FOR THAT SPACE.
 - G. EC SHALL COORDINATE WITH ALL OTHER TRADES DURING DEMOLITION AND CONSTRUCTION TO FACILITATE TIMELY WORK.
 - H. ALL AREAS ARE TO BE KEPT CLEAN AND CLEAR OF DEBRIS AT ALL TIMES.
 - I. CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS, CEILINGS ETC. TO MATCH EXISTING CONDITIONS.
 - J. ROUTE ALL CONDUIT IN A NEAT AND ORDERLY FASHION. ALL CONDUIT IN FINISHED SPACES SHALL BE CONCEALED ABOVE CEILINGS OR IN WALLS UNLESS OTHERWISE INDICATED ON THE PLANS.
 - K. BRANCH CIRCUITS SHALL NOT EXCEED 3% VOLTAGE DROP.
 - L. PROVIDE UPDATED TYPED CIRCUIT DIRECTORY WITH UNIQUE CIRCUIT DESCRIPTIONS PER NEC 408.4 FOR PANELS AFFECTED BY THIS PROJECT.
 - M. WIRE COUNTS FOR CIRCUIT CONDUCTORS ARE NOT SHOWN. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUIT AND SWITCHING CONNECTIONS SHOWN.
 - N. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO BREAKERS. BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
 - O. DEVICES/EQUIPMENT SHOWN IN GRAY ARE EXISTING TO REMAIN. PRESERVE AND PROTECT. MAINTAIN EXISTING CIRCUIT INTEGRITY.

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LEVEL 1 ELECTRICAL
PLANS

E101

NOT FOR CONSTRUCTION