ELECTRICAL ABBREVIATIONS LEGEND

A, AMP	AMPERES	MAN	MANUAL
AC	ALTERNATING CURRENT	MAX	MAXIMUM
A/C	AIR CONDITIONING	MC	MECHANICAL CONTRACTOR
AF	AMP FUSE	MCA	MINIMUM CIRCUIT AMPACITY
AFC	AVAILABLE FAULT CURRENT	MCC	MOTOR CONTROL CENTER
AFCI	ARC FAULT CIRCUIT INTERRUPTER	MDP	MAIN DISTRIBUTION PANEL
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AFG	ABOVE FINISHED GRADE	MEP	MECHANICAL, ELECTRICAL, PLUMBING
AHU	AIR HANDLING UNIT	MH	METAL HALIDE
AL	ALUMINUM	MIN	MINIMUM
AS	AMP SWITCH	MOCP	MAXIMUM OVERCURRENT PROTECTION
ATS	AUTOMATIC TRANSFER SWITCH	MSS	MOTOR STARTER SWITCH WITH THERMAL OVERLOADS
BAS	BUILDING AUTOMATION SYSTEM	N	NEUTRAL
BKR	BREAKER	NC	NORMALLY CLOSED
BOF	BOTTOM OF FIXTURE	NEC	NATIONAL ELECTRIC CODE
C	RACEWAY/CONDUIT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CB	CIRCUIT BREAKER	NFD	NON-FUSED DISCONNECT
CCT	COLOR RENDERING TEMPERATURE	NL	NIGHT LIGHT, UN-SWITCHED 24/7 OPERATION
CCTV	CLOSED CIRCUIT TELEVISION	NIC	NOT IN CONTRACT
CKT	CIRCUIT	NO	NORMALLY OPEN
CLG	CEILING	#	NUMBER
C.O.	RACEWAY/CONDUIT ONLY, WITH PULL STRING	OAE	OR APPROVED EQUAL
COD	CENTER OF DEVICE	OC	ON CENTER
CNTRL	CONTROL	OCPD	OVERCURRENT PROTECTIVE DEVICE
CU	COPPER	OH	OVERHEAD
(D)	EXISTING TO BE DEMOLISHED	P	POLE
DISC	DISCONNECT	PB	PUSHBUTTON
DIST	DISTRIBUTION	PC	PLUMBING CONTRACTOR
DPDT	DOUBLE POLE DOUBLE THROW	PH	PHASE
DWG	DRAWING	PNL	PANEL
DZ	DAYLIGHT ZONE	PVC	POLYVINYL CHLORIDE CONDUIT
EA	EACH	PWR	POWER
EC	ELECTRICAL CONTRACTOR	(R)	EXISTING TO REMAIN
EF	EXHAUST FAN	RCPT	RECEPTACLE
ELEC	ELECTRIC	RECEPT	RECEPTACLE
EMT	ELECTRICAL METALLIC TUBING	RGS	RIGID GALVANIZED STEEL
EQUIP	EQUIPMENT	RM	ROOM
EX, EXIST	EXISTING	RVNR	REDUCED VOLTAGE NON-REVERSING
FA	FIRE ALARM	RVR	REDUCED VOLTAGE REVERSING
FAA	FIRE ALARM ANNUNCIATOR	SP	SINGLE POLE TOGGLE SWITCH
FACP	FIRE ALARM CONTROL PANEL	SPD	SURGE PROTECTIVE DEVICE (TVSS)
FD	FUSED DISCONNECT	SPEC	SPECIFICATION
FLR	FLOOR	SPST	SINGLE POLE SINGLE THROW
FO	FIBER OPTIC	SSPB	START-STOP PUSHBUTTON
FSD	FIRE SMOKE DAMPER RELAY, CONTROLLED BY ASSOCIATED SMOKE DETECTOR AND CIRCUITED BACK TO FACP	SW	SWITCH
		SWBD	SWITCHBOARD
		SWGR	SWITCHGEAR
FVNR	FULL VOLTAGE NON-REVERSING	TB	TELEPHONE BOARD
FVR	FULL VOLTAGE REVERSING	TC	TIME CLOCK
GEC	GROUNDED ELECTRODE CONDUCTOR	TD	TIME DELAY
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TEL	TELEPHONE
GFI	GROUND FAULT INTERRUPTER	TR	TAMPER RESISTANT
GFP	GROUND FAULT PROTECTION	TSP	TWISTED SHIELDED PAIR
GND	GROUND	TTB	TELEPHONE TERMINAL BOARD
GRC	GALVANIZED RIGID CONDUIT	TYP	TYPICAL
HID	HIGH INTENSITY DISCHARGE	UG	UNDERGROUND
HOA	HAND-OFF-AUTOMATIC	UH	UNIT HEATER
HP	HORSEPOWER	UNO	UNLESS NOTED OTHERWISE
HPS	HIGH PRESSURE SODIUM	V	VOLT
HTR	HEATER	VA	VOLT-AMPERES
HVAC	HEATING, VENTILATION & AIR CONDITIONING	VFD	VARIABLE FREQUENCY DRIVE
HZ	HERTZ	W	WATTS
J-BOX	JUNCTION BOX	WAO	WORK AREA OUTLET
KVA	KILOVOLT-AMPERES	WP	WEATHERPROOF
KW	KILOWATTS	WPI	WEATHERPROOF WHILE-IN-USE
LCP	LIGHTING CONTROL PANEL	WR	WEATHER RESISTANT
LPW	LUMENS PER WATT	W/O	WITHOUT
LTG	LIGHTING	XFMR	TRANSFORMER
LM	LUMENS	Y	WYE-CONNECTED
LV	LOW VOLTAGE	Δ	DELTA-CONNECTED
MAG	MAGNETIC STARTER	ø	PHASE

ELECTRICAL LIGHTING FIXTURE LEGEND

- RECESSED LED FIXTURE - "a" & "b" DESIGNATES SWITCH
- RECESSED EMERGENCY LED FIXTURE - "a" & "b" DESIGNATES SWITCH
- SURFACE LED FIXTURE - "a" & "b" DESIGNATES SWITCH
- SURFACE EMERGENCY LED FIXTURE - "a" & "b" DESIGNATES SWITCH
- SURFACE WALL MOUNT LED FIXTURE
- LED STRIP OR INDUSTRIAL, SURFACE OR CHAIN HUNG
- EMERGENCY LED STRIP OR INDUSTRIAL, SURFACE OR CHAIN HUNG
- POLE MOUNTED FIXTURE
- LIGHTED BOLLARD
- PENDANT FIXTURE; HIGH BAY, LOW BAY, DECORATIVE
- EXIT SIGN - WALL MOUNT, CEILING MOUNT. ARROW INDICATES DIRECTION OF TRAVEL, SHADING INDICATES LIGHTED FACE.
- COMBINATION EXIT SIGN/ EGRESS LIGHTING UNIT - WALL MOUNT, CEILING MOUNT. ARROW INDICATES DIRECTION OF TRAVEL, SHADING INDICATES LIGHTED FACE.
- DUAL HEAD EMERGENCY EGRESS BATTERY PACK, WALL MOUNT OR CEILING MOUNT
- WALL MOUNTED SCONCE
- SURFACE DOWNLIGHT
- SURFACE EMERGENCY DOWNLIGHT
- RECESSED CAN DOWNLIGHT
- RECESSED CAN EMERGENCY DOWNLIGHT
- RECESSED CAN WALL WASHER
- TRACK LIGHTING. SEE FIXTURE SCHEDULE AND LIGHTING PLANS.

ELECTRICAL ONE-LINE LEGEND

- M — CT AND CUSTOMER POWER METER
- M — MOTOR
- M — UTILITY ELECTRIC METER AND BASE (BASE BY CUSTOMER)
- SPD — SURGE PROTECTION DEVICE
- L — LIGHTNING ARRESTER, TYPE 1 SPD, MOUNTED ON EXTERIOR OF MAIN SWITCHGEAR (SQUARE D. SDSA SERIES, OAE)
- STRESS RELIEF CONE
- PFC — POWER FACTOR CORRECTION CAPACITOR
- $X — EQUIPMENT TOGGLE DISCONNECT SWITCH
  "X" INDICATES TYPE:
  - F - FUSTAT
  - M - MOTOR STARTER SWITCH W/ THERMAL OVERLOADS
- CONTACTOR NORMALLY OPEN, NORMALLY CLOSED
- TRANSFORMER, 3-PH, 3-WIRE DELTA CONNECTION
- TRANSFORMER, 3-PH, 4-WIRE GROUNDED WYE CONNECTION
- AUTOMATIC TRANSFER SWITCH
- VFD — VARIABLE FREQUENCY DRIVE
- FIXED MOUNT LV BREAKER
- FUSED SWITCH ("XXAS/XXAF" - SW AND FUSE AMP RATING)
- G — GENERATOR
- CB — WALL MOUNTED BREAKER
- THERMAL OVERLOAD ELEMENT
- DISCONNECT SWITCH ("XXAS" = SWITCH AMP RATING)
- FUSED DISCONNECT SWITCH ("XXAS/XXAF" = SW AND FUSE AMP RATING)
- COMBINATION MOTOR STARTER (STR SIZE, TYP, AS, AF, SEE MEP COORDINATION SCHEDULE)
- PNL A 208Y/120V 3ø, 4W — SWITCHBOARD OR PANELBOARD; NAME, VOLTAGE, PHASE, NUMBER OF WIRES WHEN INDICATED

ELECTRICAL POWER LEGEND

- D-1 X — PANEL AND CIRCUIT DESIGNATION ARE NEXT TO EACH DEVICE (PANEL NAME - CIRCUIT NUMBER). MINIMUM BRANCH CIRCUIT WIRE SIZE IS #12, UNO. A SINGLE INSULATED GREEN GROUND CONDUCTOR SHALL BE PROVIDED WITH EACH HOME RUN. PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT. HOME RUNS SHALL HAVE NO MORE THAN THREE CIRCUITS. LINE VOLTAGE AND LOW VOLTAGE WIRING IS NOT SHOWN ON PLANS.
  "X" INDICATES TYPE:
  - C - AUTOMATIC CONTROL
  - GFI - GROUND FAULT INTERRUPTER
  - WP - WEATHERPROOF FLIP COVER
  - WPI - WEATHERPROOF WHILE-IN-USE COVER
  - WR - WEATHER-RESISTANT TYPE, WITH GFI
  - U - PROVIDE WITH (2) USB PORTS
  - TR - TAMPER RESISTANT
- SIMPLEX RECEPTACLE - CEILING MOUNT, WALL MOUNT (+18", UNO)
- DUPLEX RECEPTACLE - CEILING MOUNT, WALL MOUNT (+18", UNO)
- QUADRUPLEX RECEPTACLE - CEILING MOUNT, WALL MOUNT (+18", UNO)
- ABOVE COUNTER RECEPTACLE - MOUNT AT +4" ABOVE BACKSPLASH
- X — FLOOR BOX WITH (2) DUPLEX RECEPTACLES - FURNISH WITH (1) 3/4" MIN. CONDUIT FOR POWER FROM BOX. INCLUDE ALL HARDWARE/ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION. PROVIDE COVER (COORDINATE WITH ARCHITECT FOR FLOORING TYPE AND FINISH).
  "X" INDICATES TYPE:
  - A - 4-GANG FLOOR BOX, CORROSION RESISTANT COATING FOR CONCRETE FLOORS (3" MIN. POUR DEPTH), (HUBBELL NO. CFB4G30CR, OAE)
  - B - 4-GANG FLOOR BOX FOR RAISED ACCESS FLOORS, (HUBBELL NO. AFB4G50, OAE)
  - C - FIRE RATED POKE-THROUGH FLOOR BOX FOR ELEVATED CONCRETE SLABS, 3" DIA. CORE (HUBBELL NO. PT7FSD, OAE)
  - D - 8" DIA., FIRE RATED POKE-THROUGH FLOOR BOX FOR ELEVATED CONCRETE* SLABS, (HUBBELL NO. S1R8PTFIT1, OAE)
  - E - FLUSH, ROUND SINGLE SERVICE FLOOR BOX FOR CONCRETE* FLOORS, UP TO 1" CONDUIT FEED (HUBBELL NO. B2506, OAE)
  - F - TOMBSTONE PEDESTAL FLOOR BOX, 1" CONDUIT FEED (HUBBELL NO. 6301, OAE)

  *POKE-THROUGH FLOOR BOXES CAN ALSO BE USED FOR TILE, CARPET, OR WOOD FLOORS.
- FLOOR BOX WITH ADDITIONAL C.O. FOR DATA. FURNISH (1) 1-1/4" DEDICATED CONDUIT FROM EACH DATA COMPARTMENT, COMPLETE WITH PULL STRINGS OVER TO AND UP WALL INTO ACCESSIBLE CEILING SPACE, UNO.
- PANELBOARD OR LOAD CENTER
- X — SPECIAL PURPOSE RECEPTACLE (MOUNT AT +18", UNO)
  "X" INDICATES TYPE:
  - A - NEMA 5-20R, #12 CU;
  - B - NEMA 5-30R, #10 CU;
  - C - NEMA 5-50R, #6 CU;
  - D - NEMA 6-20R, #12 CU;
  - E - NEMA 6-30R, #10 CU;
  - F - NEMA 6-50R, #6 CU;
  - G - NEMA 14-20R, #12 CU;
  - H - NEMA 14-30R, #10 CU;
  - I - NEMA 14-50R, #6 CU*

  * +4" AFF FOR RANGE
- X — PUSHBUTTON (MOUNT AT +48", UNO)
  "X" INDICATES TYPE:
  - EPO - EMERGENCY POWER OFF
  - ADA - HANDICAPPED ACCESSIBLE DOOR (DEVICE BY OTHERS)
  - ODO - OVERHEAD DOOR OPERATOR (DEVICE BY OTHERS)
- X — RECESSED TV BOX, WITH BLANK COVERS FOR LOW VOLTAGE OPENINGS. MOUNT AT +72", UNO.
  X INDICATES TYPE:
  - A - 2-GANG, WITH DUPLEX RECEPTACLE & SINGLE GANG DATA OPENING. HUBBELL RACO NSAV62M, WITH NSAV6C COVER
  - B - 3-GANG, WITH DUPLEX RECEPTACLE, LOW VOLTAGE DIVIDER, SINGLE GANG FOR DATA (CENTER), AND REMOVABLE SINGLE GANG FOR AUDIO/VISUAL (SIDE). ARLINGTON TVBS507

  NOTE: ROUTE (1) 1" C. TO DATA OPENING AND (1) 1-1/4" C. TO AUDIO/VISUAL OPENING, FROM TOP OF GANG IN WALL INTO ACCESSIBLE CEILING SPACE. ALSO ROUTE 1-1/4" C. FROM AUDIO/VISUAL OPENING TO FLOOR BOX WHERE APPLICABLE.
- J — JUNCTION BOX
- J — DROP-DOWN RECEPTACLE
- PS-X — SURFACE MOUNTED PLUGSTRIP
  "X" INDICATES TYPE:
  - A - PLUGSTRIP, POWER ONLY, OUTLET EVERY 3' OC
  - B - WIREMOLD SERIES 4000 POWER AND DATA
  - C - WIREMOLD SERIES 5000 POWER AND DATA
- SURFACE MOUNTED RACEWAY
- RACEWAY CONCEALED IN WALL, FLOOR, OR CEILING IN FINISHED SPACES, EXPOSED IN UNFINISHED SPACES
- RACEWAY BELOW FLOOR OR BELOW GRADE
- RACEWAY STUB-OUT WITH CAPPED END
- RACEWAY STUB-OUT WITH BUSHED END
- GROUNDING BUS

ELECTRICAL LIGHTING CONTROL LEGEND

- $X — LINE VOLTAGE SWITCH (MOUNT AT +48", UNO)
  "X" INDICATES TYPE:
  - 3 - INDICATES THREE-WAY
  - 4 - INDICATES FOUR-WAY
- $X — LOW VOLTAGE SWITCH (MOUNT AT +48", UNO)
  "X" INDICATES TYPE:
  - BLANK - LOW VOLTAGE SINGLE POLE ACUITY nPODM
  - D - INDICATES DIMMER SWITCH ACUITY nPODM
  - K - INDICATES KEYED SWITCH
  - T - INDICATES TIMER
  - P - INDICATES PILOT LIGHT
  - OS - INDICATES WALL SWITCH WITH DUAL TECH OCC SENSOR - ACUITY nWSX PDT LV
  - OSD - INDICATES WALL SWITCH WITH DUAL TECH OCC SENSOR AND WITH 0-10V DIMMING - ACUITY nWSX PDT LV DX
  - a - INDICATES SINGLE POLE LIGHTING SWITCH ZONE FOR ZONE a
  - b - INDICATES SINGLE POLE LIGHTING SWITCH ZONE FOR ZONE b
  - ab - INDICATES LIGHTING SWITCHES WITH MULTIPLE ZONES
  - TW - INDICATES TUNABLE WHITE ACUITY nPODM 2P DX CCT
- OS — OCCUPANCY SENSOR - CEILING MOUNT, WALL MOUNT. ACUITY nCM RJB DUAL TECHNOLOGY, OR EQUAL, WITH nPP16 POWER PACKS AS NEEDED.
- P — PHOTOCELL - CEILING MOUNT - ACUITY nCM ADCX RJB
- R — RELAY(S) WITH LIGHTING CONTROLS NETWORK BRIDGE PORT CONNECTION (SEE NOTES)
- TSD — BRANCH CIRCUIT EMERGENCY LIGHTING TRANSFER SWITCH (BODINE NO. GTD20A, OAE)
- DTC $X — LIGHTING DIGITAL TIME CLOCK WITH TOUCH-SCREEN GRAPHIC USER INTERFACE. MOUNT DIRECTLY TO A SINGLE GANG BOX AND STAND ALONE DEVICE WITH POWER SUPPLY. CONNECT ASSOCIATED AUTOMATIC CONTROLS AS DESIGNATED VIA CAT-5E CABLE. USE INTEGRAL ASTRONOMICAL TIME CLOCK FOR PROGRAMMING AND TIME BASED CONTROL.
  "X" INDICATES TYPE:
  - ab - INDICATES LIGHTING ZONES

NOTES:
1. RELAY SYMBOL SHOWN IN DRAWINGS FOR REFERENCE ONLY. FOR EACH SPACE IN BUILDING ADDITION, PROVIDE APPROPRIATE NUMBER OF ON/OFF/0-10V DIMMING RELAYS AND POWER SUPPLIES AS REQUIRED FOR FUNCTION OF SPACE. EACH SPACE SHALL HAVE CONNECTION TO LIGHTING CONTROLS NETWORK, UNLESS NOTED OTHERWISE.
2. NETWORK BRIDGES AND RELATED COMPONENTS ARE NOT SHOWN ON LIGHTING PLANS. PROVIDE APPROPRIATE NUMBER OF NETWORK COMPONENTS TO ROUTE ALL DEVICE COMMUNICATION TO NETWORK HEAD END.

ABBREVIATIONS AND SYMBOLS GENERAL NOTES

A. THE ABBREVIATIONS ON THIS SHEET COMPRISE A STANDARD LIST; NOT ALL ABBREVIATIONS APPEAR ON THIS PROJECT.
B. THE SYMBOLS ON THIS SHEET COMPRISE A STANDARD LIST; NOT ALL SYMBOLS APPEAR ON THIS PROJECT.
C. ALL MOUNTING HEIGHTS ARE TO CENTER OF DEVICE ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS, MAKING ADJUSTMENTS AS REQUIRED TO AVOID INTERFERENCE WITH EQUIPMENT SUCH AS BASEBOARD FIN-TUBE, CABINET UNIT HEATERS, ETC. ARCHITECT/ENGINEER SHALL BE NOTIFIED OF ALL SUCH HEIGHT ADJUSTMENTS. MOUNTING HEIGHTS INDICATED ON ARCHITECTURAL WALL ELEVATIONS OR AS NOTED SPECIFICALLY ON THE DRAWINGS OR IN THE SPECIFICATIONS SHALL TAKE PRECEDENCE OVER MOUNTING HEIGHTS LISTED.

ELECTRICAL PROJECT GENERAL NOTES

A. PRIOR TO BID, THE CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH AND UNDERSTAND ALL EXISTING CONDITIONS IN ORDER TO PERFORM THE SCOPE OF WORK AS DEFINED. CONTRACTOR SHALL BE RESPONSIBLE FOR ITEMS AND WORK REASONABLY INFERRED BY THE DESIGN DRAWINGS AND SPECIFICATIONS (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL ITEMS SUCH AS SUPPORTS, TERMINATIONS, BRANCH CIRCUIT ROUTING, CODE-REQUIRED ACCESSORIES, ETC.
B. GENERAL WORK PRACTICES FOR ELECTRICAL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NECA 1, "STANDARD PRACTICES FOR GOOD WORKMANSHIP IN ELECTRICAL CONTRACTING." THIS PUBLICATION IS AVAILABLE FROM NECA BY TELEPHONE AT 301-657-3110 OR ON-LINE AT WWW.NECANET.ORG.
C. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE WITH MECHANICAL FOR PLENUM SPACES AND PROVIDE PLENUM RATED CABLES WHERE REQUIRED FOR LIGHTING CONTROL, DATA, FIRE ALARM AND ALL OTHER L.V. SYSTEMS NOT INSTALLED IN CONDUIT. VERIFY CONDUIT REQUIREMENTS ON DRAWINGS AND SPECIFICATIONS.
D. FIRE-RESISTANCE: PROVIDE A MINIMUM HORIZONTAL DISTANCE OF 24" BETWEEN OUTLET BOXES LOCATED ON OPPOSITE SIDES OF FIRE-RESISTANCE RATED WALLS. WHERE THIS IS NOT POSSIBLE INSTALL UL LISTED PUTTY PADS ON ALL OUTLET BOXES NOT MEETING THE 24" SEPARATION. PROVIDE A UL LISTED THROUGH -PENETRATION FIRESTOP FOR PENETRATIONS OF FIRE-RESISTANCE RATED ASSEMBLIES.
E. CONDUCTORS ARE SIZED PER THE 75 DEGREE C RATING COLUMN OF NEC TABLE 310.16. IF THE TERMINAL USED FOR A TERMINATION OF A PARTICULAR CONDUCTOR IS NOT MARKED, OR THE TERMINAL IS MARKED FOR 60 DEGREE C CONDUCTORS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EITHER ADJUST THE AMPACITY OF THE CONDUCTOR TO MATCH THE 60 DEGREE COLUMN OF TABLE 310.16, OR REPLACE THE TERMINAL WITH ONE RATED FOR AT LEAST 75 DEGREES C.
F. BASED ON ACTUAL HOMERUN LENGTHS REQUIRED IN THE FIELD, THE CONTRACTOR SHALL CALCULATE AND INCREASE THE WIRE SIZES AS REQUIRED TO LIMIT BRANCH CIRCUIT VOLTAGE DROP TO 3%. FOR 20A BRANCH CIRCUITS THE MINIMUM CONDUCTOR SIZES SHALL BE AS FOLLOWS: #10 AWG CU FOR RUNS BETWEEN 100 AND 200 LINEAR FEET, #8 AWG CU FOR RUNS BETWEEN 200 AND 325 LINEAR FEET, AND AS CALCULATED BY THE CONTRACTOR FOR CIRCUITS EXTENDING BEYOND 325 LINEAR FEET. IN ALL CASES WHERE WIRE SIZES INCREASE, THE CONTRACTOR SHALL PROVIDE LARGER CONDUITS AS REQUIRED.
G. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH 120V BRANCH CIRCUIT.
H. PROVIDE ADDITIONAL CONDUCTOR FOR UNSWITCHED "HOT" TO LUMINAIRES WITH EMERGENCY POWER BATTERIES. PROVIDE AN ADDITIONAL UNSWITCHED "HOT" AND AN ADDITIONAL SWITCHED CONDUCTOR TO UL924 CONTROL MODULES OR GREATER TRANSFER DEVICES.
I. WIRING FOR EMERGENCY LIGHTING CIRCUITS OR OTHER EMERGENCY EQUIPMENT SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING, AND SHALL MEET REQUIREMENTS OF NEC 700.10.
J. WHERE EQUIPMENT PART NUMBERS ARE SHOWN ON THESE PLANS THEY SHALL SUPERCEDE THE REQUIREMENTS OF THE SPECIFICATIONS.
K. PROVIDE DEDICATED NEUTRAL CONDUCTORS FOR ALL CONVENIENCE POWER AND LIGHTING BRANCH CIRCUITS.
L. ALL CONDUCTORS SIZED #10 AND LARGER SHALL BE STRANDED. CONDUCTORS SIZED #12 SHALL BE SOLID.
M. ALL 120V DUPLEX AND QUAD RECEPTACLES SHALL BE 20A RATED, AND TAMPER-RESISTANT TYPE.

ELECTRICAL PROJECT DEMO NOTES

A. DURING DEMOLITION, THE CONTRACTOR SHALL NOTE ALL EXISTING RACEWAY (BOTH SURFACE AND CONCEALED) TO THE EXTENT POSSIBLE. THESE RACEWAYS SHALL BE REUSED TO THE GREATEST EXTENT POSSIBLE TO INSURE A CLEAN FINISHED PRODUCT. WHERE PRACTICAL, AND ALLOWED PER CODE, FISHING THROUGH WALLS WITH MC CABLE IS PREFERRED TO SURFACE-MOUNTED CONDUIT.
B. CONTRACTOR SHALL REMOVE, TRANSPORT, AND LEGALLY DISPOSE OF LAMPS AND BALLASTS OFF-SITE. IT IS ASSUMED THAT THE BALLASTS DO NOT CONTAIN PCBs. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IF IT IS SUSPECTED THAT BALLASTS CONTAIN PCBs.
C. ALL POWER INTERRUPTIONS SHALL BE COORDINATED WITH OWNER. ANY DISRUPTION OF WORKERS IN THE SPACE SHALL BE KEPT TO A MINIMUM AND BE COORDINATED WITH THE OWNER PRIOR TO WORK COMMENCING IN THAT SPACE.
D. CONTRACTOR SHALL EXTEND UNSWITCHED HOT LEG FROM EXISTING EMERGENCY FIXTURE LOCATION TO NEW EMERGENCY FIXTURES, AS NEEDED. SEE DEMO PLANS FOR AN APPROXIMATION OF EXISTING EMERGENCY FIXTURE LOCATIONS. FIELD VERIFY EXACT LOCATION PRIOR TO BID.
E. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY EXISTING CONDUIT OR FEEDER CIRCUITS THAT ARE INTENDED TO REMAIN THAT ARE SAW-CUT, OR OTHERWISE DAMAGED, AS PART OF THE DEMOLITION PROCESS. PROVISION FOR THIS WORK SHALL INCLUDE, BUT NOT BE LIMITED TO: ALL NECESSARY CONDUIT AND CONDUCTORS, MOUNTING ACCESSORIES AND LABOR, TO RESTORE THE SYSTEM TO ITS INTENDED FUNCTION.
F. ELECTRICAL DRAWINGS SHOWING EXISTING BUILDING CONDITIONS, SUCH AS DEMOLITION DRAWINGS, EXISTING PANEL SCHEDULES, ETC ARE BASED ON RECORD DRAWINGS AND SITE VISITS. IF ACTUAL EXISTING CONDITIONS DIFFER FROM THOSE SHOWN ON DRAWINGS, PLEASE NOTIFY ENGINEER.

ELECTRICAL SHEET INDEX

NUMBER	SHEET NAME
E0.01	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E0.02	ELECTRICAL ONE-LINE DIAGRAM - EXISTING
E0.03	ELECTRICAL SCHEDULES - LIGHTING
E0.04	ELECTRICAL OVERALL PLAN
ED2.10	ELECTRICAL DEMOLITION PLAN - NW QUADRANT
ED2.11	ELECTRICAL DEMOLITION PLAN - NE QUADRANT
ED2.12	ELECTRICAL DEMOLITION PLAN - SW QUADRANT
ED2.13	ELECTRICAL DEMOLITION PLAN - SE QUADRANT
E3.10	ELECTRICAL REFLECTED CEILING PLAN - NW QUADRANT
E3.11	ELECTRICAL REFLECTED CEILING PLAN - NE QUADRANT
E3.12	ELECTRICAL REFLECTED CEILING PLAN - SW QUADRANT
E3.13	ELECTRICAL REFLECTED CEILING PLAN - SE QUADRANT
E5.10	ELECTRICAL PLANS - BOYS' WEST
E5.11	ELECTRICAL PLANS - GIRLS' WEST
E5.12	ELECTRICAL PLANS - EAST BATHROOM

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp: REGISTERED PROFESSIONAL ENGINEER 93951PE OREGON NOV 19, 2018 GARTH L. STEVENS EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers · surveyors · planners · scientists

DRAWING REVISIONS

#	Date	Description
1	01/26/2026	BID SET

OBSIDIAN MIDDLE SCHOOL MODERNIZATION
REDMOND SCHOOL DISTRICT
BID SET

Drawing Title: ELECTRICAL SYMBOLS AND ABBREVIATIONS
Date : 2026-01-30
Revised :
Project No. 25033
Sheet No. E0.01

© 2025 SĀJ Architecture, LLC

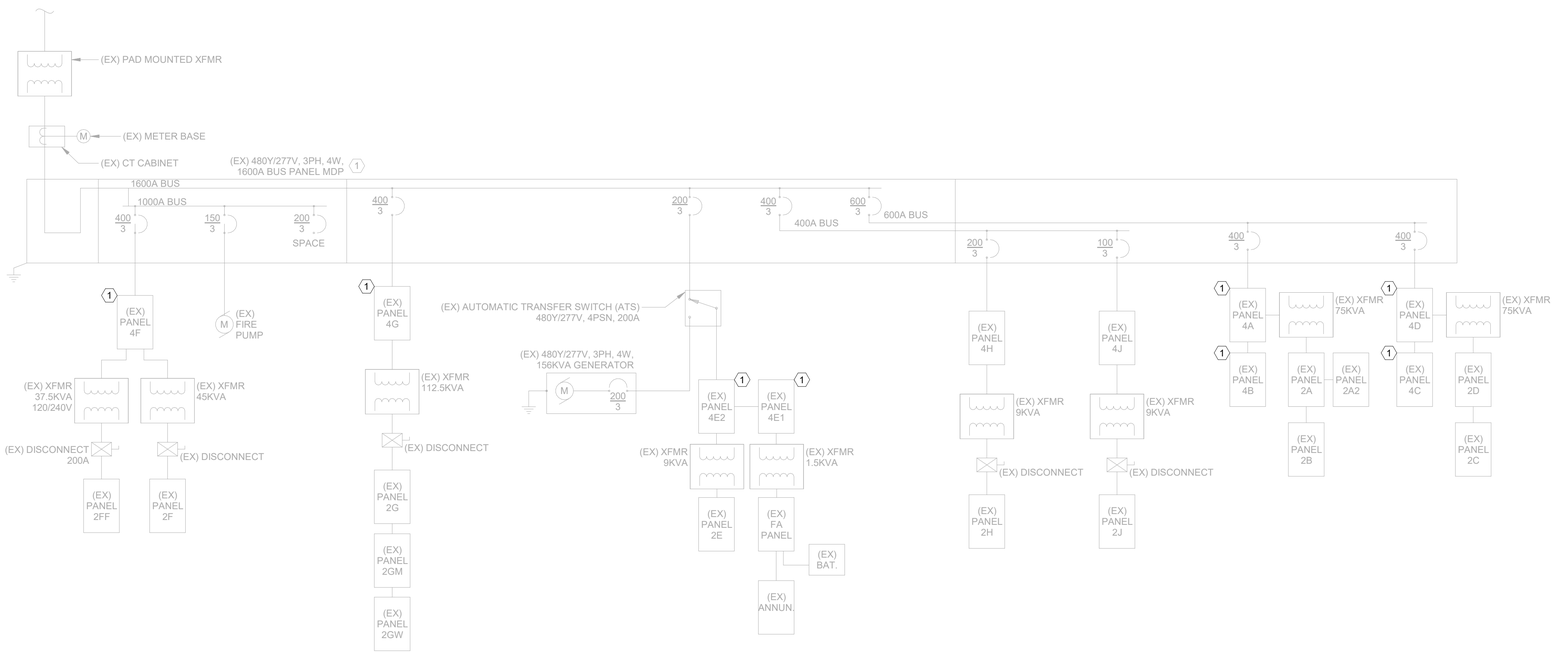
1/26/2026 1:25:10 PM

ONE-LINE GENERAL NOTES

A. DIAGRAM INDICATES OVERALL LAYOUT OF ELECTRICAL DISTRIBUTION SYSTEM. REFER TO FLOOR PLANS FOR EQUIPMENT LOCATIONS.
B. UNLESS NOTED OTHERWISE, LINES AND ITEMS IN SOLID GRAY AND HALFTONE ARE EXISTING TO REMAIN.

KEY NOTES:

1. ELECTRICAL BRANCH CIRCUIT DISTRIBUTION SHALL BE MODIFIED AS PART OF WORK. COORDINATE AND SCHEDULE ALL REQUIRED SHUT DOWN OF DISTRIBUTION WITH OWNER 2-WEEKS PRIOR TO COMMENCING WORK.



1 ONE LINE DIAGRAM - EXISTING
N.T.S.

1/26/2026 1:25:10 PM

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp
REGISTERED PROFESSIONAL ENGINEER
98951PE
OREGON
NOV 19, 2019
GARTH L. STEVENS
EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers · surveyors · planners · scientists

DRAWING REVISIONS

#	Date	Description

OBSIDIAN MIDDLE SCHOOL MODERNIZATION
REDMOND SCHOOL DISTRICT
BID SET

Drawing Title: ELECTRICAL ONE-LINE DIAGRAM - EXISTING
Date : 2026-01-30
Revised :
Project No. 25033
Sheet No. E0.02

© 2025 SĀJ Architecture, LLC

EXISTING LUMINAIRE SCHEDULE

TYPE	LAMPS	LOAD (WATTS)	DESCRIPTION	MOUNTING	VOLTAGE
(D)1	(3) F32T8	92 W	RECESSED 2X4 3-LAMP T8 FLUORESCENT TROFFER	RECESSED	277 V
(D)2	(2) F32T8	63 W	RECESSED 2X4 2-LAMP T8 FLUORESCENT TROFFER	RECESSED	277 V
(D)3	(4) F32T8	126 W	RECESSED 2X4 4-LAMP T8 FLUORESCENT TROFFER	RECESSED	277 V
(D)4	(2) FBO32T8	92 W	RECESSED 2X2 2-LAMP T8 FLUORESCENT TROFFER	RECESSED	277 V
(D)5	(1) CFT32	35 W	6" ROUND DOWNLIGHT COMPACT FLUORESCENT	RECESSED	277 V
(D)6	(2) F32T8	63 W	SURFACE 1X4 2-LAMP T8 FLUORESCENT	SURFACE	277 V
(D)7	(1) F32T8	61 W	UNDERCABINET 1-LAMP T8 FLUORESCENT	SURFACE	277 V

LUMINAIRE SCHEDULE

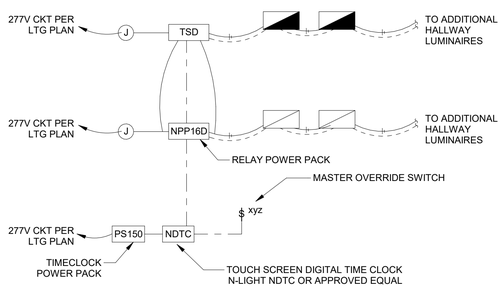
NOTES:

1. CONTRACTOR TO VERIFY KELVIN TEMPERATURE FOR EXISTING LED TO REMAIN AND MATCH.
2. PRIOR SUBMITTAL IS REQUIRED.
3. ALTERNATE FIXTURE IS NOT ACCEPTED FOR SUBSTITUTIONS.
4. PROVIDE 0-10V DIMMING, DOWN TO 10% LUMEN OUTPUT, MINIMUM.
5. PROVIDE FUSING.
6. VERIFY FINISH WITH ARCHITECT.
7. PROVIDE WITH REMOTE 12V STEP-DOWN TRANSFORMER.
8. CIRCUIT VIA GENERATOR BRANCH CIRCUIT
9. LAMP DATA IS FOR 4' CROSS-SECTION OF FIXTURE.
10. MOUNT BOTTOM OF FIXTURE CENTERED AT 6" ABOVE TOP OF MIRROR. SEE ARCHITECT
11. ELEVATIONS.
    ALL LUMINAIRES SHALL HAVE DESIGN LIGHTS CONSORTIUM (DLC) CERTIFICATION AND/OR ENERGY STAR RATING.

GENERAL NOTES:

A. ALL LUMINAIRES SHALL BE TESTED AND LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) SUCH AS UL OR ETL.
B. THE ELECTRICAL CONTRACTOR SHALL REFERENCE THE ARCHITECTURAL FOR ALL CEILING TYPES AND FIRE-RATINGS AND OBSERVE THE SITE AS PART OF THE CONTRACTOR'S SITE VISIT IN ORDER TO FULLY UNDERSTAND THE EXISTING CONDITIONS PRIOR TO BID. CONTRACTOR SHALL PROVIDE ALL MOUNTING AND IC-RATED ACCESSORIES TO COMPLETE THE SCOPE OF WORK TO MEET ALL NATIONAL AND LOCAL CODE REQUIREMENTS.
C. FOR FIRE-RATED CEILING ASSEMBLIES AND FOR CEILINGS WITH INSULATION, VERIFY ALL RECESSED LUMINAIRE HOUSINGS ARE RATED APPROPRIATELY OR PROVIDE DROP-OVER ENCLOSURES OR TENTS FOR LUMINAIRES. VERIFY THAT DROP-OVER ENCLOSURES OR TENTS ALLOW FOR AIR SPACE AROUND LUMINAIRE PER MANUFACTURER'S RECOMMENDATIONS.

TYPE	LAMPS	LOAD (W)	OUTPUT (LM, NOMINAL)	EFFICACY (LM/W)	CCT (K)	DESCRIPTION	MFR	CATALOG NO. OR SERIES	FINISH	MOUNTING	VOLTAGE	NOTES
B1	LED	31 W	4326	140	3500	2X4 RECESSED ARCHITECTURAL TROFFER	MARK ARCHITECTURAL	WHSPR-2X4-80CRI-35K-4000LM-MIN10-MVOLT-SWC-ZT	WHITE	RECESSED	277 V	1,11
B1E	LED	31 W	4326	140	3500	2X4 RECESSED ARCHITECTURAL TROFFER CIRCUITED VIA EXISTING EMERGENCY GENERATOR. PROVIDE UL-924 LISTED RELAY AHEAD OF BRANCH CIRCUIT.	MARK ARCHITECTURAL	WHSPR-2X4-80CRI-35K-4000LM-MIN10-MVOLT-SWC-ZT	WHITE	RECESSED	277 V	1,8,11
B2	LED	47 W	6033	129	3500	2X4 RECESSED ARCHITECTURAL TROFFER - LIBRARY	MARK ARCHITECTURAL	WHSPR-2X4-80CRI-35K-6000LM-MIN10-MVOLT-SWC-ZT	WHITE	RECESSED	277 V	1,11
B2E	LED	47 W	6033	129	3500	2X4 RECESSED ARCHITECTURAL TROFFER - LIBRARY, CIRCUITED VIA EXISTING EMERGENCY GENERATOR. PROVIDE UL-924 LISTED RELAY AHEAD OF BRANCH CIRCUIT.	MARK ARCHITECTURAL	WHSPR-2X4-80CRI-35K-6000LM-MIN10-MVOLT-SWC-ZT	WHITE	RECESSED	277 V	1,8,11
B3	LED	21 W	3014	143	3500	2X4 RECESSED ARCHITECTURAL TROFFER	MARK ARCHITECTURAL	WHSPR-2X4-80CRI-35K-3000LM-MIN10-MVOLT-SWC-ZT	WHITE	RECESSED	277 V	1,11
B3E	LED	21 W	3014	143	3500	2X4 RECESSED ARCHITECTURAL TROFFER, CIRCUITED VIA EXISTING EMERGENCY GENERATOR. PROVIDE UL-924 LISTED RELAY AHEAD OF BRANCH CIRCUIT.	MARK ARCHITECTURAL	WHSPR-2X4-80CRI-35K-3000LM-MIN10-MVOLT-SWC-ZT	WHITE	RECESSED	277 V	1,8,11
B4	LED	32 W	3960	123	3500	2X2 RECESSED ARCHITECTURAL TROFFER	MARK ARCHITECTURAL	WHSPR-2X2-80CRI-35K-4000LM-MIN10-MVOLT-SWC-ZT	WHITE	RECESSED	277 V	1,11
B4A	LED	32 W	3960	123	3500	2X2 RECESSED ARCHITECTURAL TROFFER WITH GYP CEILING KIT	MARK ARCHITECTURAL	WHSPR-2X2-80CRI-35K-4000LM-MIN10-MVOLT-SWC-ZT -DGA22	WHITE	RECESSED	277 V	1,11
B4AE	LED	32 W	3960	123	3500	2X2 RECESSED ARCHITECTURAL TROFFER WITH GYP CEILING KIT CIRCUITED VIA EXISTING EMERGENCY GENERATOR. PROVIDE UL-924 LISTED RELAY AHEAD OF BRANCH CIRCUIT.	MARK ARCHITECTURAL	WHSPR-2X2-80CRI-35K-4000LM-MIN10-MVOLT-SWC-ZT -DGA22	WHITE	RECESSED	277 V	1,8,11
B5	LED	31 W	4326	140	3500	2X4 RECESSED ARCHITECTURAL TROFFER WITH TUNABLE WHITE	MARK ARCHITECTURAL	WHSPR-2X4-80CRI-4000LM-TUWH-RHYR-80CRI-DARK-MVOLT-SW	WHITE	RECESSED	277 V	1,11
B5E	LED	31 W	4326	140	3500	2X4 RECESSED ARCHITECTURAL TROFFER WITH TUNABLE WHITE, CIRCUITED VIA EXISTING EMERGENCY GENERATOR. PROVIDE UL-924 LISTED RELAY AHEAD OF BRANCH CIRCUIT.	MARK ARCHITECTURAL	WHSPR-2X4-80CRI-4000LM-TUWH-RHYR-80CRI-DARK-MVOLT-SW	WHITE	RECESSED	277 V	1,11
D1	LED	21 W	2000	95	3500	6" ROUND DOWNLIGHT	GOTHAM	IVO6-D-20LM-35K-80CRI-MWD-MIN10-MVOLT-ZT-P-AR-LSS-F	SILVER	RECESSED	277 V	1,11
S1	LED	35 W	3834	110	3500	4' SURFACE WRAP	LITHONIA	STL4-40L-EZ1-LP835	WHITE	SURFACE	277 V	1,11
S2	LED	16 W	1150	70	3500	36" LED UNDERCABINET LIGHT. FIELD COORDINATE MOUNTING REQUIREMENTS WITH CASEWORK PROVIDER.	JUNO	UCES-36IN-SWW4-90CRI-WH	WHITE	SURFACE	277 V	



NOTES:

1. HALLWAY LIGHTING CONTROLS SHALL BE CONFIGURED TO REDUCE LIGHTING TO 50% ONE HOUR BEFORE OPENING AND (1) HOUR AFTER CLOSING AND COMPLETELY OFF DURING UNOCCUPIED TIMES PER OEESC 9.4.1.1(i). COORDINATE SCHEDULE WITH OWNER.
2. DIAGRAM SHOWS THE INTENT OF THE LIGHTING CONTROLS DESIGN AND IS NOT THE EXACT CONFIGURATION. REFERENCE FLOOR PLANS FOR ADDITIONAL INFORMATION AND COORDINATE ALL REQUIREMENTS WITH SELECTED MANUFACTURER.
3. REFERNCE LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION.
4. PROVIDE UN-SWITCHED HOT TO EGRESS EMERGENCY LIGHTS.

DETAIL LINE WORK LEGEND:

- CAT-5E NETWORK CABLE
- LINE-VOLTAGE CIRCUIT
- 0-10V CLASS 2 DIMMING (2#18AWG, GREY & VIOLET)

1 DIGITAL TIME CLOCK - CONTROLS DIAGRAM
N.T.S.

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp
REGISTERED PROFESSIONAL ENGINEER
98951PE
OREGON
NOV 19, 2019
GARTH L. STEVENS
EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers · surveyors · planners · scientists

DRAWING REVISIONS

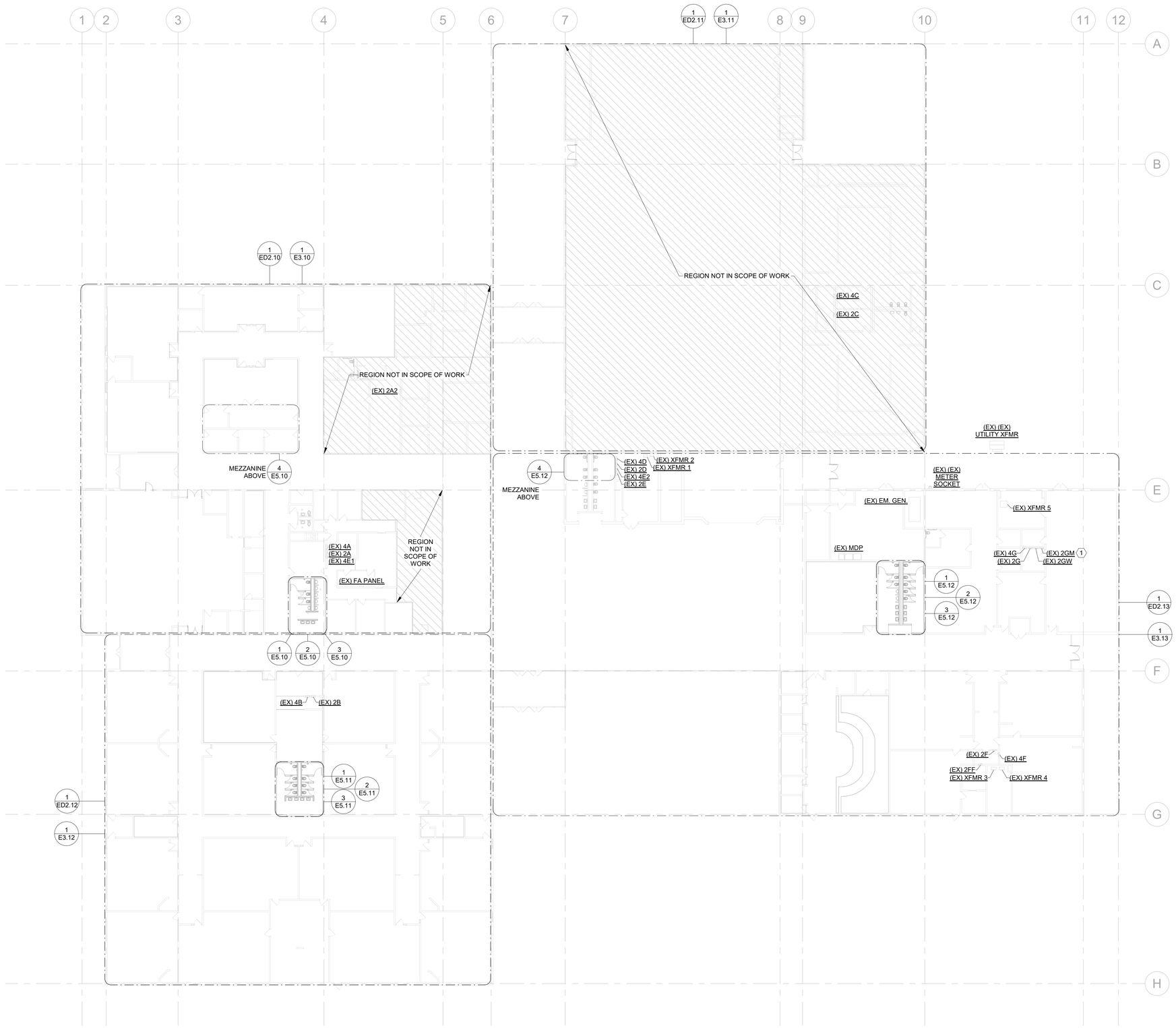
#	Date	Description
1	01/26/2026	BID SET

OBSIDIAN MIDDLE SCHOOL MODERNIZATION
REDMOND SCHOOL DISTRICT
BID SET

Drawing Title: ELECTRICAL SCHEDULES - LIGHTING
Date : 2026-01-30
Revised :
Project No. 25033
Sheet No. E0.03

© 2025 SĀJ Architecture, LLC

1/26/2026 1:25:11 PM



1 ELECTRICAL OVERALL POWER PLAN
1" = 20'-0" @ FULL SIZE

POWER PLAN GENERAL NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. LOW VOLTAGE CABLES (LIGHTING CONTROLS) ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED USING J-HOOKS AT INTERVALS NOT TO EXCEED 48" OC, UNO.

KEY NOTES:

1. CONTRACTOR TO REPLACING EXISTING CONTACTOR IN ASSOCIATED ENCLOSURE BELOW PANEL AND RECONNECT EXISTING ASSOCIATED EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH OWNER AND EXISTING CONDITIONS. REFERENCE DETAILS THIS SHEET FOR ADDITIONAL INFORMATION.

2 DETAIL IMAGE - CONTACTOR
N.T.S.

3 DETAIL IMAGE - CONTACTOR PART NUMBER
N.T.S.

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp
REGISTERED PROFESSIONAL ENGINEER
98951PE
OREGON
NOV 19, 2019
GARTH L. STEVENS
EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers · surveyors · planners · scientists

DRAWING REVISIONS

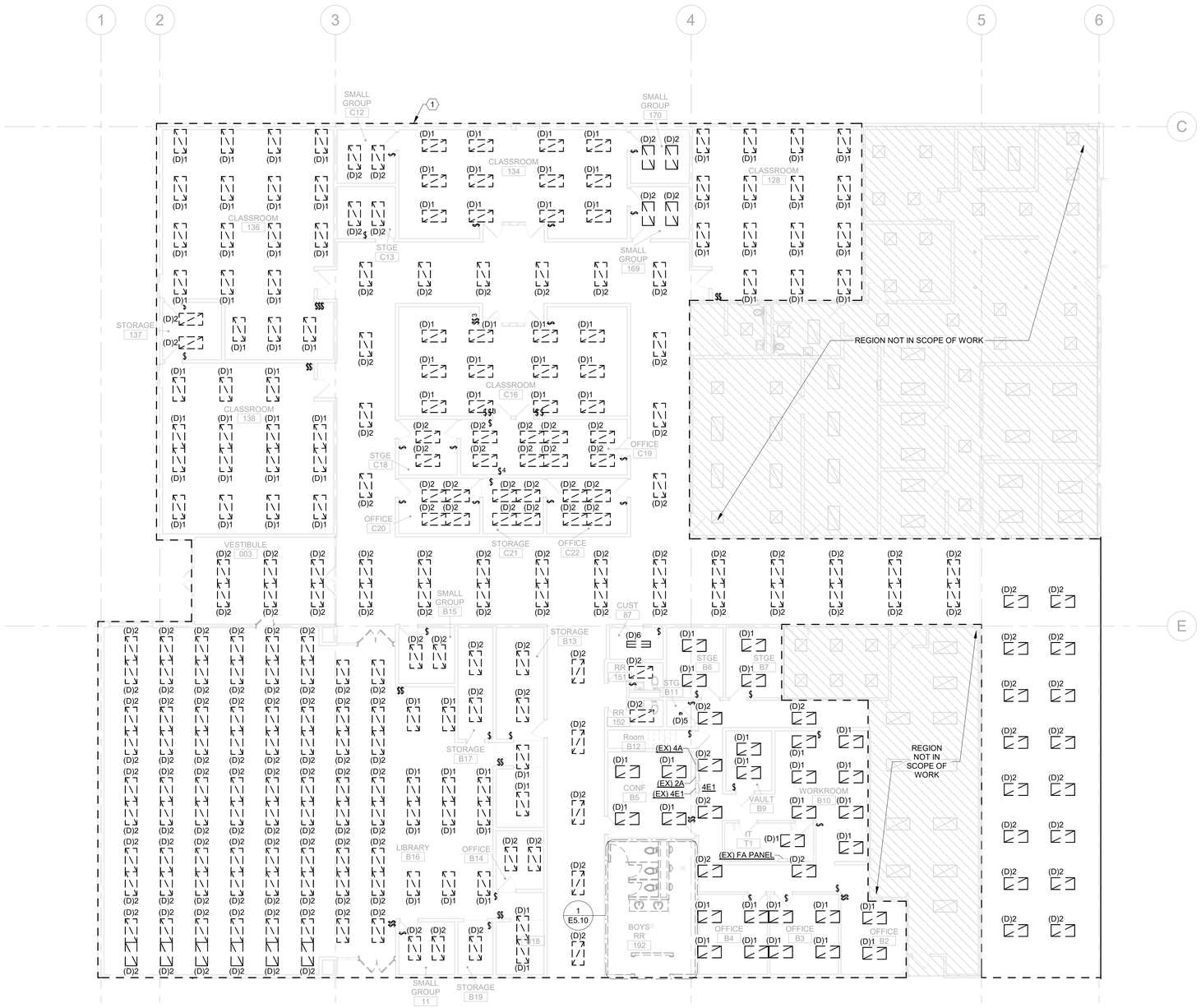
#	Date	Description

OBSIDIAN MIDDLE SCHOOL MODERNIZATION
REDMOND SCHOOL DISTRICT
BID SET

Drawing Title: ELECTRICAL OVERALL PLAN
Date : 2026-01-30
Revised :
Project No. 25033
Sheet No. E0.04

© 2025 SĀJ Architecture, LLC

1/26/2026 1:25:13 PM



1 ELECTRICAL DEMOLITION FLOOR PLAN - NW QUADRANT

1" = 10'-0" @ FULL SIZE

ELECTRICAL DEMO NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. ALL WALL REGIONS SHOWN DASHED ARE EXISTING, TO BE DEMO'D, OR IN SOME CASES ARE EXISTING DOORWAYS TO BE WALLED IN. CONTRACTOR SHALL PROVIDE A MEANS AND MATERIALS AS REQUIRED TO MAINTAIN EXISTING BRANCH CIRCUITS TO REMAIN.
D. DASHED WALLS, EQUIPMENT, FIXTURES AND DEVICES SHOWN BLACK, OR BLACK AND DASHED ARE EXISTING FOR DEMO, AND ITEMS IN GRAY AND SOLID ARE EXISTING TO REMAIN, UNLESS SPECIFICALLY NOTED OTHERWISE.
E. ALL ITEMS NOTED FOR DEMO SHALL BE COMPLETELY DEMO'D, INCLUDING DISCONNECTS, CONDUIT AND CONDUCTORS BACK TO SOURCE, UNLESS SPECIFICALLY NOTED OTHERWISE.
F. DESIGN DOCUMENTS PROVIDE EXISTING CONDITIONS BASED ON AVAILABLE AS-BUILT DOCUMENTATION AND SITE OBSERVATIONS WITHIN THE PROJECT SCOPE. NOT ALL EXISTING DEVICE LOCATIONS HAVE BEEN VERIFIED AND THEREFORE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS TO THE BEST OF THEIR CAPABILITIES PRIOR TO BID.
G. EXISTING BRANCH CIRCUITS ARE NOTED BASED OFF EXISTING OBSERVED CIRCUIT DIRECTORY AS PART OF SITE INVESTIGATION AND LIMITED AS BUILT RECORDS. CONTRACTOR SHALL FIELD VERIFY EACH ASSOCIATED BRACH CIRCUIT AND PROVIDE THE ENGINEER WITH UPDATED AS BUILT DOCUMENTATION WHERE POSSIBLE AS PART OF AREA OF WORK.

KEY NOTES:

1. DEMOLISH LUMINAIRE AND EXISTING CONTROLS AS SHOWN. RETAIN EXISTING BRANCH CIRCUIT, PATHWAY, AND BACKBOX FOR REUSE. PULL CONDUCTORS BACK ABOVE CEILING, CAP, AND LABEL FOR FUTURE EXTENSION. EXISTING EMERGENCY BATTERY PACKS AND EXIT SIGNS ARE TO REMAIN. REFERENCE LIGHTING PLANS FOR ADDITIONAL INFORMATION.

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp: REGISTERED PROFESSIONAL ENGINEER 98951PE OREGON NOV 19, 2019 GARTH L. STEVENS
EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers • surveyors • planners • scientists

DRAWING REVISIONS

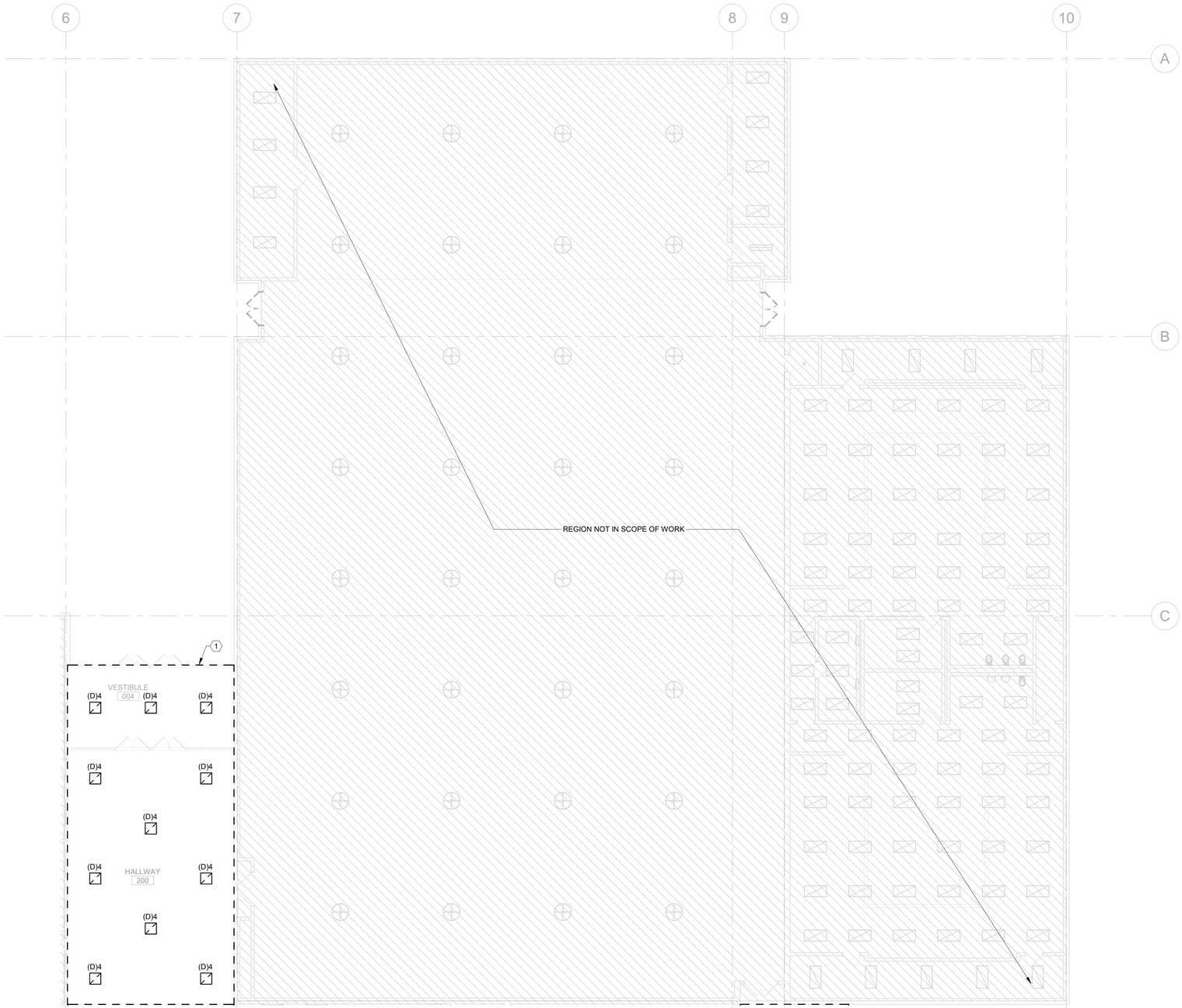
#	Date	Description

OBSIDIAN MIDDLE SCHOOL MODERNIZATION
REDMOND SCHOOL DISTRICT
BID SET

Drawing Title: ELECTRICAL DEMOLITION PLAN - NW QUADRANT
Date: 2026-01-30
Revised:
Project No. 25033
Sheet No. ED2.10

© 2025 SĀJ Architecture, LLC

1/26/2026 1:25:15 PM



1 ELECTRICAL DEMOLITION FLOOR PLAN - NE QUADRANT
1" = 10'-0" @ FULL SIZE

ELECTRICAL DEMO NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. ALL WALL REGIONS SHOWN DASHED ARE EXISTING, TO BE DEMO'D, OR IN SOME CASES ARE EXISTING DOORWAYS TO BE WALLED IN. CONTRACTOR SHALL PROVIDE A MEANS AND MATERIALS AS REQUIRED TO MAINTAIN EXISTING BRANCH CIRCUITS TO REMAIN.
D. DASHED WALLS, EQUIPMENT, FIXTURES AND DEVICES SHOWN BLACK, OR BLACK AND DASHED ARE EXISTING FOR DEMO, AND ITEMS IN GRAY AND SOLID ARE EXISTING TO REMAIN, UNLESS SPECIFICALLY NOTED OTHERWISE.
E. ALL ITEMS NOTED FOR DEMO SHALL BE COMPLETELY DEMO'D, INCLUDING DISCONNECTS, CONDUIT AND CONDUCTORS BACK TO SOURCE, UNLESS SPECIFICALLY NOTED OTHERWISE.
F. DESIGN DOCUMENTS PROVIDE EXISTING CONDITIONS BASED ON AVAILABLE AS-BUILT DOCUMENTATION AND SITE OBSERVATIONS WITHIN THE PROJECT SCOPE. NOT ALL EXISTING DEVICE LOCATIONS HAVE BEEN VERIFIED AND THEREFORE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS TO THE BEST OF THEIR CAPABILITIES PRIOR TO BID.
G. EXISTING BRANCH CIRCUITS ARE NOTED BASED OFF EXISTING OBSERVED CIRCUIT DIRECTORY AS PART OF SITE INVESTIGATION AND LIMITED AS BUILT RECORDS. CONTRACTOR SHALL FIELD VERIFY EACH ASSOCIATED BRACH CIRCUIT AND PROVIDE THE ENGINEER WITH UPDATED AS BUILT DOCUMENTATION WHERE POSSIBLE AS PART OF AREA OF WORK.

KEY NOTES:

1. DEMOLISH LUMINAIRE AND EXISTING CONTROLS AS SHOWN. RETAIN EXISTING BRANCH CIRCUIT, PATHWAY, AND BACKBOX FOR REUSE. PULL CONDUCTORS BACK ABOVE CEILING, CAP, AND LABEL FOR FUTURE EXTENSION. EXISTING EMERGENCY BATTERY PACKS AND EXIT SIGNS ARE TO REMAIN. REFERENCE LIGHTING PLANS FOR ADDITIONAL INFORMATION.

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp
REGISTERED PROFESSIONAL ENGINEER
98951PE
OREGON
NOV 19, 2019
GARTH L. STEVENS
EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers · surveyors · planners · scientists

DRAWING REVISIONS

#	Date	Description

OBSIDIAN MIDDLE SCHOOL MODERNIZATION
REDMOND SCHOOL DISTRICT
BID SET

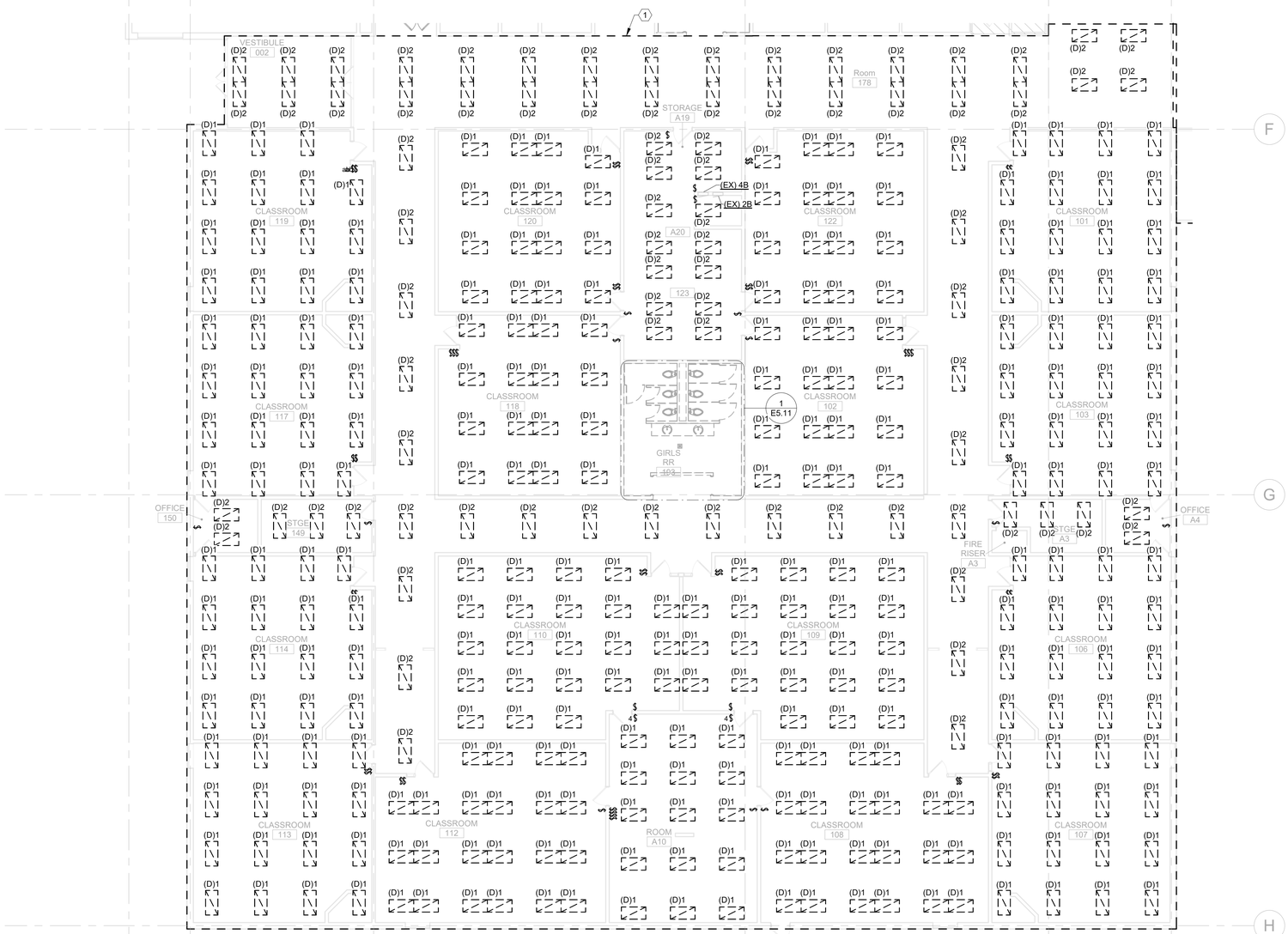
Drawing Title:
ELECTRICAL DEMOLITION PLAN - NE QUADRANT

Date : 2026-01-30
Revised :
Project No. 25033

Sheet No.
ED2.11

© 2025 SĀJ Architecture, LLC

1/26/2026 1:25:17 PM



1 ELECTRICAL DEMOLITION FLOOR PLAN - SW QUADRANT

1" = 10'-0" @ FULL SIZE

1/26/2026 1:25:19 PM

ELECTRICAL DEMO NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. ALL WALL REGIONS SHOWN DASHED ARE EXISTING, TO BE DEMO'D, OR IN SOME CASES ARE EXISTING DOORWAYS TO BE WALLED IN. CONTRACTOR SHALL PROVIDE A MEANS AND MATERIALS AS REQUIRED TO MAINTAIN EXISTING BRANCH CIRCUITS TO REMAIN.
D. DASHED WALLS, EQUIPMENT, FIXTURES AND DEVICES SHOWN BLACK, OR BLACK AND DASHED ARE EXISTING FOR DEMO, AND ITEMS IN GRAY AND SOLID ARE EXISTING TO REMAIN, UNLESS SPECIFICALLY NOTED OTHERWISE.
E. ALL ITEMS NOTED FOR DEMO SHALL BE COMPLETELY DEMO'D, INCLUDING DISCONNECTS, CONDUIT AND CONDUCTORS BACK TO SOURCE, UNLESS SPECIFICALLY NOTED OTHERWISE.
F. DESIGN DOCUMENTS PROVIDE EXISTING CONDITIONS BASED ON AVAILABLE AS-BUILT DOCUMENTATION AND SITE OBSERVATIONS WITHIN THE PROJECT SCOPE. NOT ALL EXISTING DEVICE LOCATIONS HAVE BEEN VERIFIED AND THEREFORE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS TO THE BEST OF THEIR CAPABILITIES PRIOR TO BID.
G. EXISTING BRANCH CIRCUITS ARE NOTED BASED OFF EXISTING OBSERVED CIRCUIT DIRECTORY AS PART OF SITE INVESTIGATION AND LIMITED AS BUILT RECORDS. CONTRACTOR SHALL FIELD VERIFY EACH ASSOCIATED BRACH CIRCUIT AND PROVIDE THE ENGINEER WITH UPDATED AS BUILT DOCUMENTATION WHERE POSSIBLE AS PART OF AREA OF WORK.

KEY NOTES:

1. DEMOLISH LUMINAIRE AND EXISTING CONTROLS AS SHOWN. RETAIN EXISTING BRANCH CIRCUIT, PATHWAY, AND BACKBOX FOR REUSE. PULL CONDUCTORS BACK ABOVE CEILING, CAP, AND LABEL FOR FUTURE EXTENSION. EXISTING EMERGENCY BATTERY PACKS AND EXIT SIGNS ARE TO REMAIN. REFERENCE LIGHTING PLANS FOR ADDITIONAL INFORMATION.

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp
REGISTERED PROFESSIONAL ENGINEER
98951PE
OREGON
NOV 19, 2019
GARTH L. STEVENS
EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers · surveyors · planners · scientists

DRAWING REVISIONS

#	Date	Description

OBSIDIAN MIDDLE SCHOOL MODERNIZATION

REDMOND SCHOOL DISTRICT

BID SET

Drawing Title: ELECTRICAL DEMOLITION PLAN - SW QUADRANT

Date : 2026-01-30

Revised : :

Project No. 25033

Sheet No. ED2.12

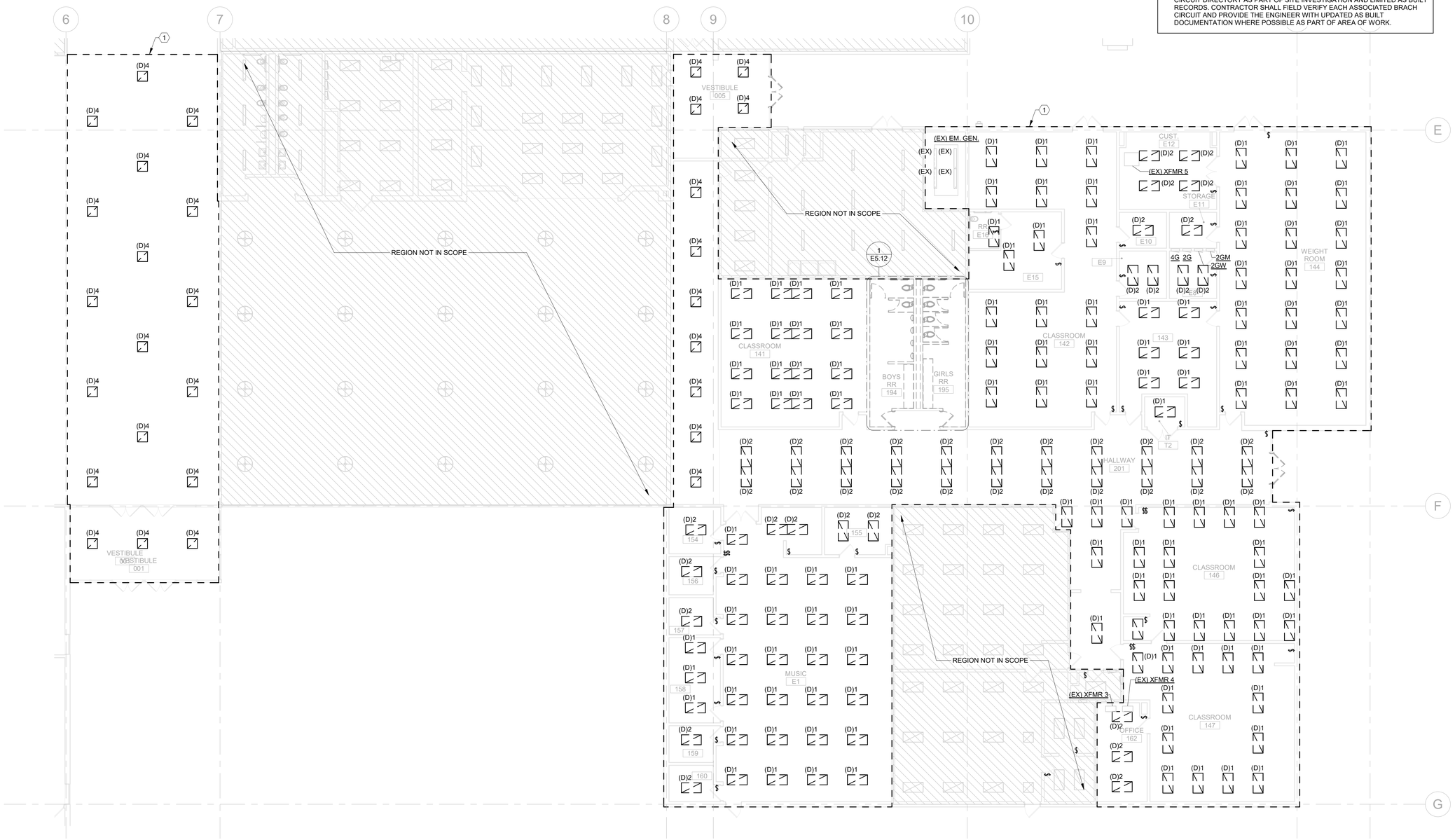
© 2025 SĀJ Architecture, LLC

KEY NOTES:

1. DEMOLISH LUMINAIRE AND EXISTING CONTROLS AS SHOWN. RETAIN EXISTING BRANCH CIRCUIT, PATHWAY, AND BACKBOX FOR REUSE. PULL CONDUCTORS BACK ABOVE CEILING, CAP, AND LABEL FOR FUTURE EXTENSION. EXISTING EMERGENCY BATTERY PACKS AND EXIT SIGNS ARE TO REMAIN. REFERENCE LIGHTING PLANS FOR ADDITIONAL INFORMATION.

ELECTRICAL DEMO NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. ALL WALL REGIONS SHOWN DASHED ARE EXISTING, TO BE DEMO'D, OR IN SOME CASES ARE EXISTING DOORWAYS TO BE WALLED IN. CONTRACTOR SHALL PROVIDE A MEANS AND MATERIALS AS REQUIRED TO MAINTAIN EXISTING BRANCH CIRCUITS TO REMAIN.
D. DASHED WALLS, EQUIPMENT, FIXTURES AND DEVICES SHOWN BLACK, OR BLACK AND DASHED ARE EXISTING FOR DEMO, AND ITEMS IN GRAY AND SOLID ARE EXISTING TO REMAIN, UNLESS SPECIFICALLY NOTED OTHERWISE.
E. ALL ITEMS NOTED FOR DEMO SHALL BE COMPLETELY DEMO'D, INCLUDING DISCONNECTS, CONDUIT AND CONDUCTORS BACK TO SOURCE, UNLESS SPECIFICALLY NOTED OTHERWISE.
F. DESIGN DOCUMENTS PROVIDE EXISTING CONDITIONS BASED ON AVAILABLE AS-BUILT DOCUMENTATION AND SITE OBSERVATIONS WITHIN THE PROJECT SCOPE. NOT ALL EXISTING DEVICE LOCATIONS HAVE BEEN VERIFIED AND THEREFORE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS TO THE BEST OF THEIR CAPABILITIES PRIOR TO BID.
G. EXISTING BRANCH CIRCUITS ARE NOTED BASED OFF EXISTING OBSERVED CIRCUIT DIRECTORY AS PART OF SITE INVESTIGATION AND LIMITED AS BUILT RECORDS. CONTRACTOR SHALL FIELD VERIFY EACH ASSOCIATED BRACH CIRCUIT AND PROVIDE THE ENGINEER WITH UPDATED AS BUILT DOCUMENTATION WHERE POSSIBLE AS PART OF AREA OF WORK.



1 ELECTRICAL DEMOLITION FLOOR PLAN - SE QUADRANT
1" = 10'-0" @ FULL SIZE

1/26/2026 1:25:22 PM

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp
REGISTERED PROFESSIONAL ENGINEER
98951PE
OREGON
NOV 19, 2019
GARTH L. STEVENS
EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers · surveyors · planners · scientists

DRAWING REVISIONS

#	Date	Description

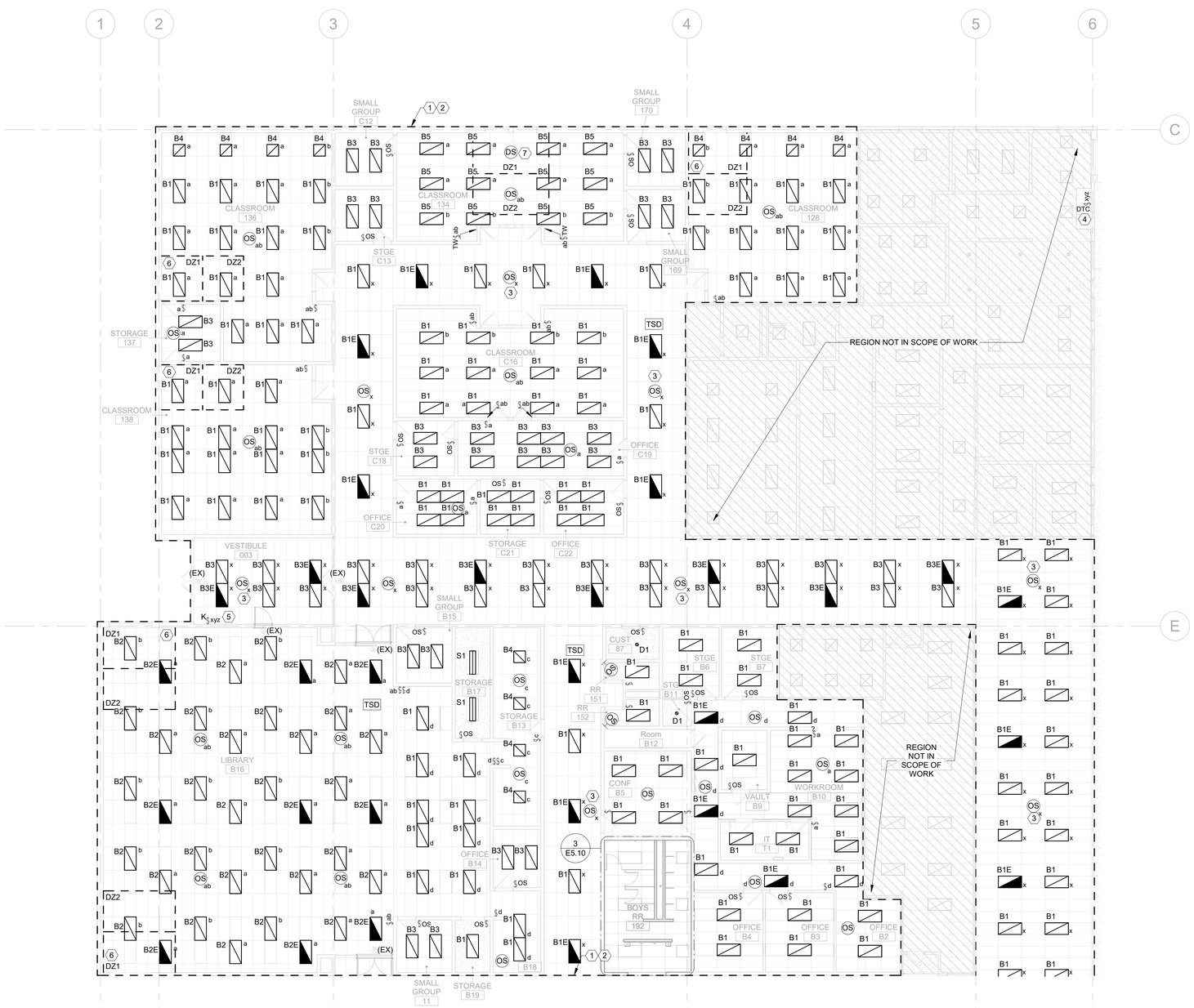
OBSIDIAN MIDDLE SCHOOL MODERNIZATION
REDMOND SCHOOL DISTRICT
BID SET

Drawing Title: ELECTRICAL DEMOLITION PLAN - SE QUADRANT

Date : 2026-01-30
Revised :
Project No. 25033

Sheet No.
ED2.13

© 2025 SĀJ Architecture, LLC



1 ELECTRICAL REFLECTED CEILING PLAN - NW QUADRANT

1" = 10'-0" @ FULL SIZE

LIGHTING PLAN GENERAL NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. LOW VOLTAGE CABLES (LIGHTING CONTROLS) ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED USING J-HOOKS AT INTERVALS NOT TO EXCEED 48" OC, UNO.
D. CONTRACTOR SHALL COORDINATE WHICH WALL IS TEACHING WALL IN ALL CLASSROOMS PRIOR TO PROGRAMMING LIGHTING CONTROLS AND MAKE ADJUSTMENTS. TEACHER WALL IS CONTROLLED INDEPENDENTLY AND NOTED BY SWITCH LEG 'b'.
E. COORDINATE FINAL SEQUENCE OF OPERATIONS WITH COMMISSIONING AGENT AND ANDREW REYES WITH SYSTEMS WEST @ (541) 604-9625, AREYES@SYSTEMSWESTENGINEERS.COM

KEY NOTES:

1. EXTEND EXISTING LIGHTING BRANCH CIRCUIT AND PROVIDE NEW CONTROLS AS INDICATED. PROVIDE ADDITIONAL MEANS AND MATERIALS AS REQUIRED IN ORDER TO RETAIN EXISTING BRANCH CIRCUITING. REFERENCE DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
2. ENSURE THAT ALL EXISTING EMERGENCY LIGHTS AND EXIT SIGNS HAVE UNSWITCHED POWER AND FUNCTION PROPERLY. MAKE NOTE TO THE OWNER OF ANY UNITS THAT ARE DAMAGED OR NEED NEW BATTERIES.
3. AUTOMATIC CONTROLS IN PUBLIC CIRCULATION SPACES SHALL BE PROGRAMMED TO DIM TO 50% OUTPUT FOR OCCUPANT SAFETY DURING HOURS OF OPERATION AND 100% FOR OCCUPANCY OVERRIDE VIA SWITCH. OCCUPANCY SENSOR FUNCTION AS AUTO-DIM TO 50%, AUTO-ON TO FULL BRIGHTNESS UPON OCCUPANCY.
4. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. EXTEND NEAREST EXISTING LIGHTING BRANCH CIRCUIT. PROVIDE WITH 277V POWER SUPPLY.
5. KEYED OVERRIDE SWITCH FOR PUBLIC CIRCULATION OVERRIDE CONTROL. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
6. DAYLIGHT RESPONSIVE CONTROLS FOR SIDELIGHT AREA IS EXEMPT PER OEESC 2025 9.4.1.1(e).
7. DASHED OUTLINE REPRESENTS THE DAYLIGHT ZONES (PRIMARY AND SECONDARY), IN WHICH LUMINAIRES DIM AUTOMATICALLY BASED ON AVAILABLE NATURAL LIGHT. LIGHTS ARE CONTROLLED VIA SWITCH IN SPACE FOR ON/OFF WITH DAYLIGHT HARVESTING. SHOULD WALL SWITCH BE TURNED OFF ALL LIGHTS IN THE SPACE ARE SHUT OFF, BUT WHEN LIGHTS ARE ON IN THE DAYLIGHT ZONE THEY SHALL BE DIMMED/ CONTROLLED BY THE PHOTOCELL IN SPACE TO MAINTAIN 30 DELIVERED FOOTCANDLES MINIMUM ON THE WORKING PLANE. MAINTAINING THIS LIGHT LEVEL SHALL INCLUDE BUT IS NOT LIMITED TO LUMINAIRES FULLY SHUTTING OFF. FINAL DESIRED FOOT CANDLE VALUE SHALL BE FIELD CONFIGURABLE WITH FEEDBACK FROM THE OWNER AND COMMISSIONING AGENT.

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp: REGISTERED PROFESSIONAL ENGINEER 98951PE OREGON NOV 19, 2019 GARTH L. STEVENS — EXPIRES: JUNE 30, 2026

Morrison Maierle — engineers · surveyors · planners · scientists

DRAWING REVISIONS

#	Date	Description
1	01/26/2026	BID SET

OBSIDIAN MIDDLE SCHOOL MODERNIZATION

REDMOND SCHOOL DISTRICT

BID SET

Drawing Title: ELECTRICAL REFLECTED CEILING PLAN - NW QUADRANT

Date : 2026-01-30

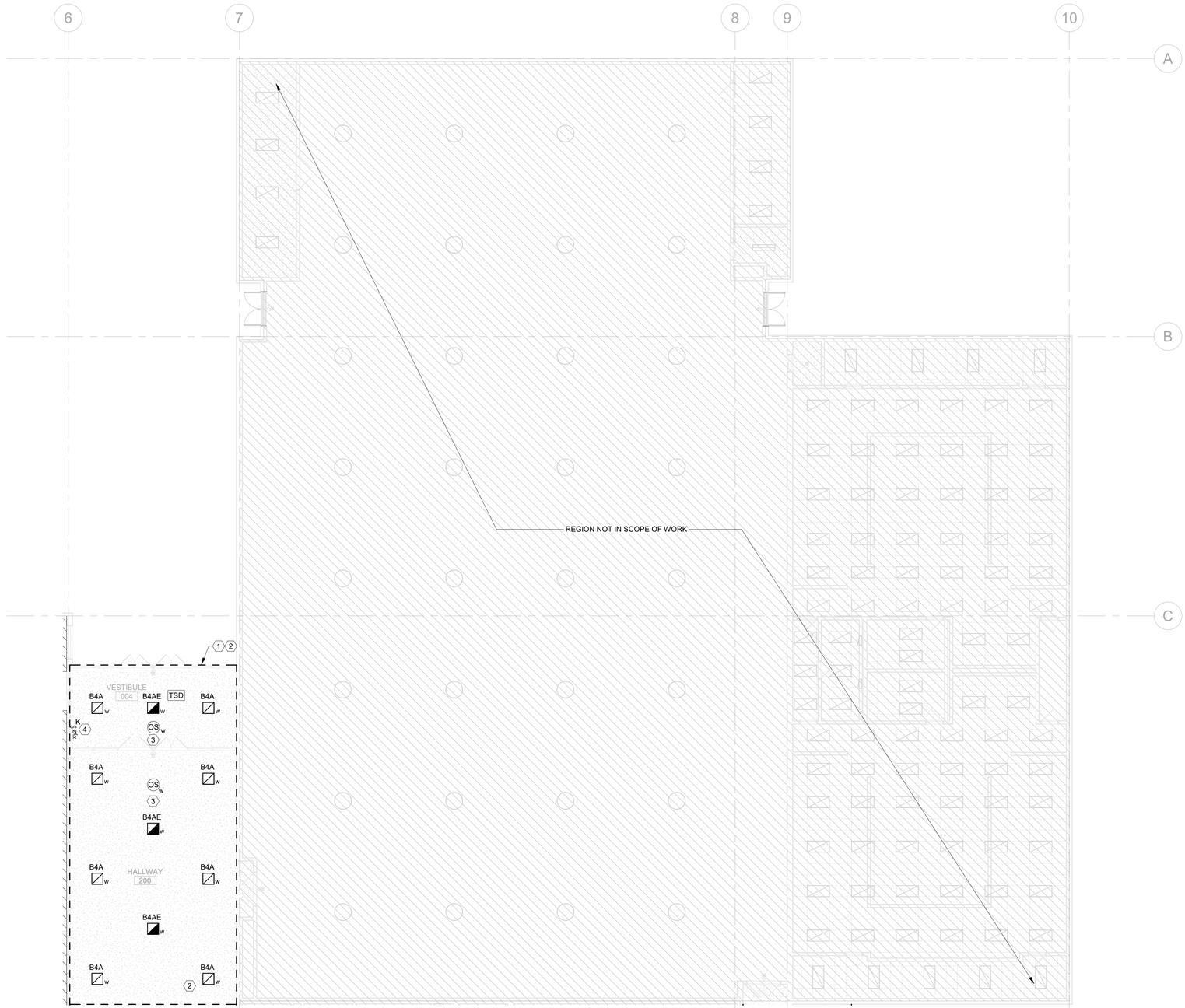
Revised :

Project No. 25033

Sheet No. E3.10

© 2025 SĀJ Architecture, LLC

1/26/2026 1:25:27 PM



1 ELECTRICAL REFLECTED CEILING PLAN - NE QUADRANT
1" = 10'-0" @ FULL SIZE

LIGHTING PLAN GENERAL NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. LOW VOLTAGE CABLES (LIGHTING CONTROLS) ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED USING J-HOOKS AT INTERVALS NOT TO EXCEED 48" OC, UNO.
D. CONTRACTOR SHALL COORDINATE WHICH WALL IS TEACHING WALL IN ALL CLASSROOMS PRIOR TO PROGRAMMING LIGHTING CONTROLS AND MAKE ADJUSTMENTS. TEACHER WALL IS CONTROLLED INDEPENDENTLY AND NOTED BY SWITCH LEG 'b'.
E. COORDINATE FINAL SEQUENCE OF OPERATIONS WITH COMMISSIONING AGENT AND ANDREW REYES WITH SYSTEMS WEST @ (541) 604-9625, AREYES@SYSTEMSWESTENGINEERS.COM

KEY NOTES:

1. EXTEND EXISTING LIGHTING BRANCH CIRCUIT AND PROVIDE NEW CONTROLS AS INDICATED. PROVIDE ADDITIONAL MEANS AND MATERIALS AS REQUIRED IN ORDER TO RETAIN EXISTING BRANCH CIRCUITING. REFERENCE DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
2. ENSURE THAT ALL EXISTING EMERGENCY LIGHTS AND EXIT SIGNS HAVE UNSWITCHED POWER AND FUNCTION PROPERLY. MAKE NOTE TO THE OWNER OF ANY UNITS THAT ARE DAMAGED OR NEED NEW BATTERIES.
3. AUTOMATIC CONTROLS IN PUBLIC CIRCULATION SPACES SHALL BE PROGRAMMED TO DIM TO 50% OUTPUT FOR OCCUPANT SAFETY DURING HOURS OF OPERATION AND 100% FOR OCCUPANCY OVERRIDE VIA SWITCH. OCCUPANCY SENSOR FUNCTION AS AUTO-DIM TO 50%, AUTO-ON TO FULL BRIGHTNESS UPON OCCUPANCY.
4. KEYED OVERRIDE SWITCH FOR PUBLIC CIRCULATION OVERRIDE CONTROL. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp
REGISTERED PROFESSIONAL ENGINEER
98951PE
OREGON
NOV 19, 2019
GARTH L. STEVENS
EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers · surveyors · planners · scientists

DRAWING REVISIONS

#	Date	Description
1	01/26/2026	BID SET

OBSIDIAN MIDDLE SCHOOL MODERNIZATION
REDMOND SCHOOL DISTRICT
BID SET

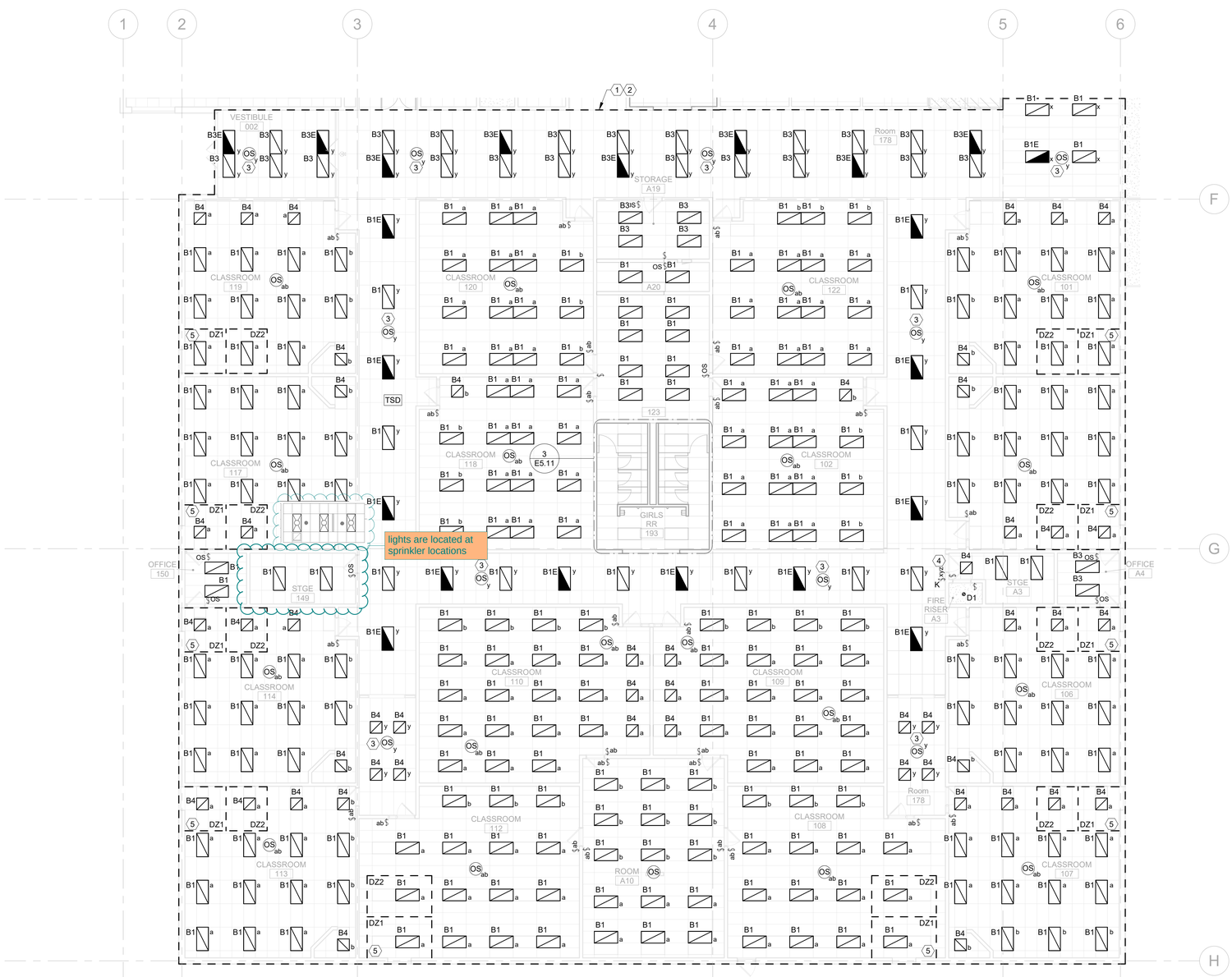
Drawing Title:
ELECTRICAL REFLECTED CEILING PLAN - NE QUADRANT

Date : 2026-01-30
Revised :
Project No. 25033

Sheet No.
E3.11

© 2025 SĀJ Architecture, LLC

1/26/2026 1:25:29 PM



1 ELECTRICAL REFLECTED CEILING PLAN - SW QUADRANT

1" = 10'-0" @ FULL SIZE

1/26/2026 1:25:36 PM

LIGHTING PLAN GENERAL NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. LOW VOLTAGE CABLES (LIGHTING CONTROLS) ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED USING J-HOOKS AT INTERVALS NOT TO EXCEED 48" OC, UNO.
D. CONTRACTOR SHALL COORDINATE WHICH WALL IS TEACHING WALL IN ALL CLASSROOMS PRIOR TO PROGRAMMING LIGHTING CONTROLS AND MAKE ADJUSTMENTS. TEACHER WALL IS CONTROLLED INDEPENDENTLY AND NOTED BY SWITCH LEG 'b'.
E. COORDINATE FINAL SEQUENCE OF OPERATIONS WITH COMMISSIONING AGENT AND ANDREW REYES WITH SYSTEMS WEST @ (541) 604-9625, AREYES@SYSTEMSWESTENGINEERS.COM

KEY NOTES:

1. EXTEND EXISTING LIGHTING BRANCH CIRCUIT AND PROVIDE NEW CONTROLS AS INDICATED. PROVIDE ADDITIONAL MEANS AND MATERIALS AS REQUIRED IN ORDER TO RETAIN EXISTING BRANCH CIRCUITING. REFERENCE DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
2. ENSURE THAT ALL EXISTING EMERGENCY LIGHTS AND EXIT SIGNS HAVE UNSWITCHED POWER AND FUNCTION PROPERLY. MAKE NOTE TO THE OWNER OF ANY UNITS THAT ARE DAMAGED OR NEED NEW BATTERIES.
3. AUTOMATIC CONTROLS IN PUBLIC CIRCULATION SPACES SHALL BE PROGRAMMED TO DIM TO 50% OUTPUT FOR OCCUPANT SAFETY DURING HOURS OF OPERATION AND 100% FOR OCCUPANCY OVERRIDE VIA SWITCH. OCCUPANCY SENSOR FUNCTION AS AUTO-DIM TO 50%, AUTO-ON TO FULL BRIGHTNESS UPON OCCUPANCY.
4. KEYED OVERRIDE SWITCH FOR PUBLIC CIRCULATION OVERRIDE CONTROL. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
5. DAYLIGHT RESPONSIVE CONTROLS FOR SIDELIGHT AREA IS EXEMPT PER OEESC 2025 9.4.1.1(e).

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp: REGISTERED PROFESSIONAL ENGINEER 98951PE OREGON NOV 19, 2019 GARTH L. STEVENS — EXPIRES: JUNE 30, 2026

Morrison Maierle — engineers · surveyors · planners · scientists

DRAWING REVISIONS

#	Date	Description
1	01/26/2026	BID SET

OBSIDIAN MIDDLE SCHOOL MODERNIZATION

REDMOND SCHOOL DISTRICT

BID SET

Drawing Title: ELECTRICAL REFLECTED CEILING PLAN - SW QUADRANT

Date : 2026-01-30

Revised :

Project No. 25033

Sheet No. E3.12

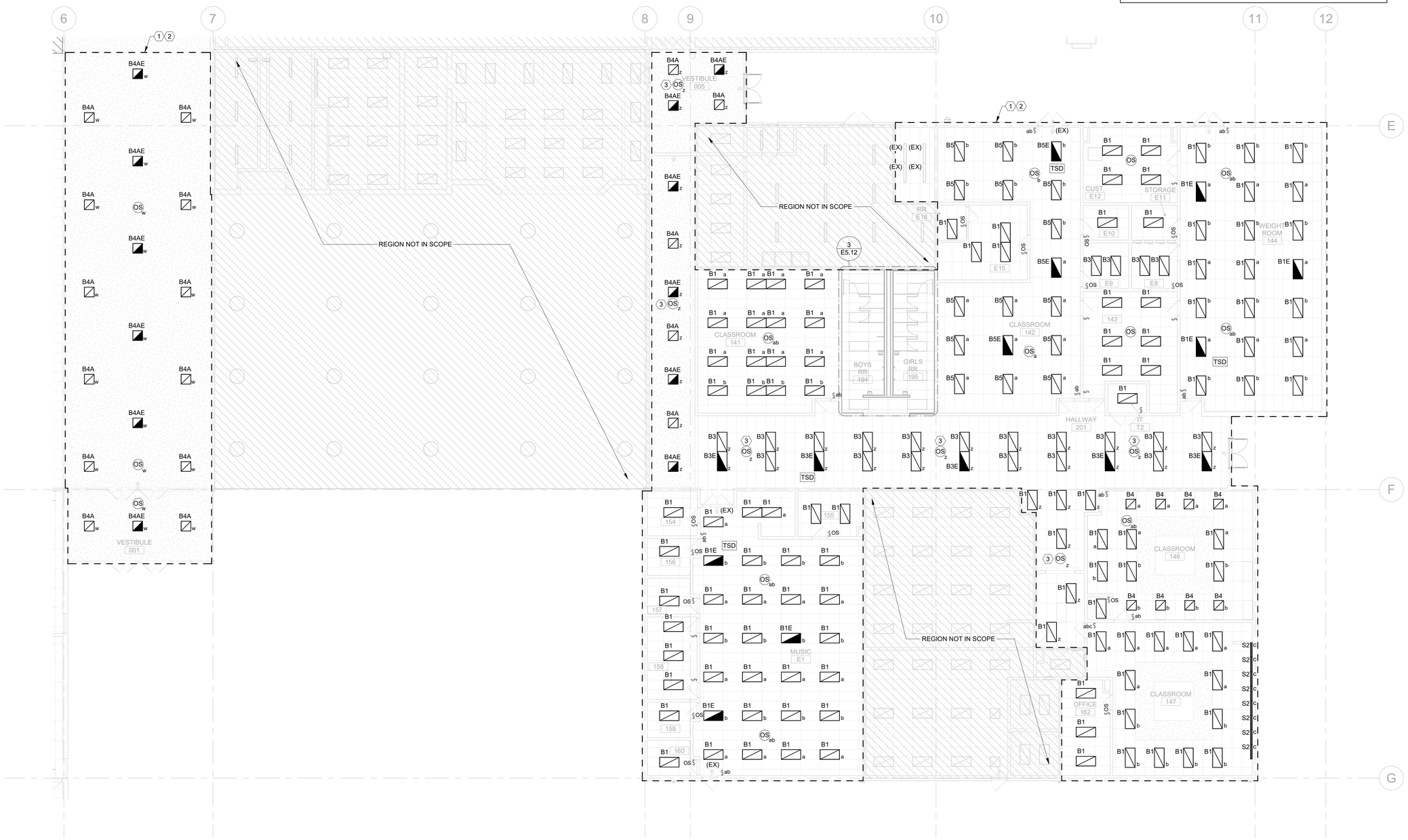
© 2025 SĀJ Architecture, LLC

KEY NOTES:

1. EXTEND EXISTING LIGHTING BRANCH CIRCUIT AND PROVIDE NEW CONTROLS AS INDICATED. PROVIDE ADDITIONAL MEANS AND MATERIALS AS REQUIRED IN ORDER TO RETAIN EXISTING BRANCH CIRCUITING. REFERENCE DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
2. ENSURE THAT ALL EXISTING EMERGENCY LIGHTS AND EXIT SIGNS HAVE UNSWITCHED POWER AND FUNCTION PROPERLY. MAKE NOTE TO THE OWNER OF ANY UNITS THAT ARE DAMAGED OR NEED NEW BATTERIES.
3. AUTOMATIC CONTROLS IN PUBLIC CIRCULATION SPACES SHALL BE PROGRAMMED TO DIM TO 50% OUTPUT FOR OCCUPANT SAFETY DURING HOURS OF OPERATION AND 100% FOR OCCUPANCY OVERRIDE VIA SWITCH. OCCUPANCY SENSOR FUNCTION AS AUTO-DIM TO 50%, AUTO-ON TO FULL BRIGHTNESS UPON OCCUPANCY.

LIGHTING PLAN GENERAL NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. LOW VOLTAGE CABLES (LIGHTING CONTROLS) ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED USING J-HOOKS AT INTERVALS NOT TO EXCEED 48" OC, UNO.
D. CONTRACTOR SHALL COORDINATE WHICH WALL IS TEACHING WALL IN ALL CLASSROOMS PRIOR TO PROGRAMMING LIGHTING CONTROLS AND MAKE ADJUSTMENTS. TEACHER WALL IS CONTROLLED INDEPENDENTLY AND NOTED BY SWITCH LEG 'b'.
E. COORDINATE FINAL SEQUENCE OF OPERATIONS WITH COMMISSIONING AGENT AND ANDREW REYES WITH SYSTEMS WEST @ (541) 604-9625, AREYES@SYSTEMSWESTENGINEERS.COM



1 ELECTRICAL REFLECTED CEILING PLAN - SE QUADRANT
1" = 10'-0" @ FULL SIZE

1/26/2026 1:25:41 PM

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp: REGISTERED PROFESSIONAL ENGINEER 98951PE OREGON NOV 19, 2019 GARTH L. STEVENS
EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers · surveyors · planners · scientists

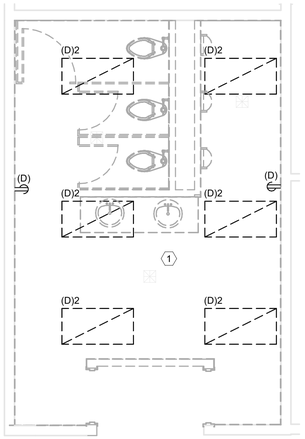
DRAWING REVISIONS

#	Date	Description
1	01/26/2026	BID SET

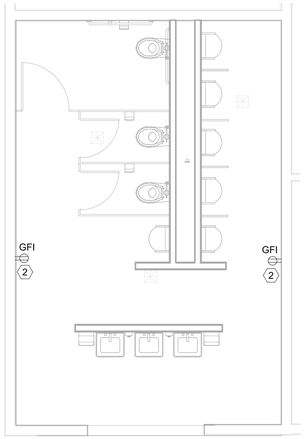
OBSIDIAN MIDDLE SCHOOL MODERNIZATION
REDMOND SCHOOL DISTRICT
BID SET

Drawing Title: ELECTRICAL REFLECTED CEILING PLAN - SE QUADRANT
Date: 2026-01-30
Revised:
Project No. 25033
Sheet No. E3.13

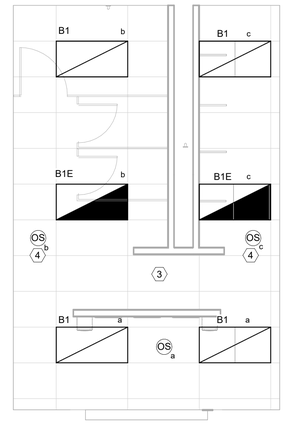
© 2025 SĀJ Architecture, LLC



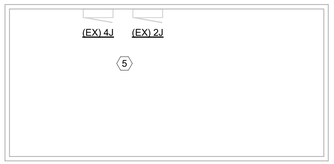
1 ELECTRICAL DEMOLITION FLOOR PLAN - BOYS' WEST
1/4" = 1'-0" @ FULL SIZE



2 ELECTRICAL POWER FLOOR PLAN - BOYS' WEST
1/4" = 1'-0" @ FULL SIZE



3 ELECTRICAL REFLECTED CEILING PLAN - BOYS' WEST
1/4" = 1'-0" @ FULL SIZE



4 ELECTRICAL ENLARGED MEZZANINE 1 PLAN - REFERENCE ONLY
1/4" = 1'-0" @ FULL SIZE

LIGHTING PLAN GENERAL NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. LOW VOLTAGE CABLES (LIGHTING CONTROLS) ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED USING J-HOOKS AT INTERVALS NOT TO EXCEED 48" OC, UNO.
D. CONTRACTOR SHALL COORDINATE WHICH WALL IS TEACHING WALL IN ALL CLASSROOMS PRIOR TO PROGRAMMING LIGHTING CONTROLS AND MAKE ADJUSTMENTS. TEACHER WALL IS CONTROLLED INDEPENDENTLY AND NOTED BY SWITCH LEG 'b'.
E. COORDINATE FINAL SEQUENCE OF OPERATIONS WITH COMMISSIONING AGENT AND ANDREW REYES WITH SYSTEMS WEST @ (541) 604-9625, AREYES@SYSTEMSWESTENGINEERS.COM

ELECTRICAL DEMO NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. ALL WALL REGIONS SHOWN DASHED ARE EXISTING, TO BE DEMO'D, OR IN SOME CASES ARE EXISTING DOORWAYS TO BE WALLED IN. CONTRACTOR SHALL PROVIDE A MEANS AND MATERIALS AS REQUIRED TO MAINTAIN EXISTING BRANCH CIRCUITS TO REMAIN.
D. DASHED WALLS, EQUIPMENT, FIXTURES AND DEVICES SHOWN BLACK, OR BLACK AND DASHED ARE EXISTING FOR DEMO, AND ITEMS IN GRAY AND SOLID ARE EXISTING TO REMAIN, UNLESS SPECIFICALLY NOTED OTHERWISE.
E. ALL ITEMS NOTED FOR DEMO SHALL BE COMPLETELY DEMO'D, INCLUDING DISCONNECTS, CONDUIT AND CONDUCTORS BACK TO SOURCE, UNLESS SPECIFICALLY NOTED OTHERWISE.
F. DESIGN DOCUMENTS PROVIDE EXISTING CONDITIONS BASED ON AVAILABLE AS-BUILT DOCUMENTATION AND SITE OBSERVATIONS WITHIN THE PROJECT SCOPE. NOT ALL EXISTING DEVICE LOCATIONS HAVE BEEN VERIFIED AND THEREFORE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS TO THE BEST OF THEIR CAPABILITIES PRIOR TO BID.
G. EXISTING BRANCH CIRCUITS ARE NOTED BASED OFF EXISTING OBSERVED CIRCUIT DIRECTORY AS PART OF SITE INVESTIGATION AND LIMITED AS BUILT RECORDS. CONTRACTOR SHALL FIELD VERIFY EACH ASSOCIATED BRACH CIRCUIT AND PROVIDE THE ENGINEER WITH UPDATED AS BUILT DOCUMENTATION WHERE POSSIBLE AS PART OF AREA OF WORK.

ELECTRICAL GENERAL NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. LOW VOLTAGE CABLES (LIGHTING CONTROLS) ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED USING J-HOOKS AT INTERVALS NOT TO EXCEED 48" OC, UNO.

(#) KEY NOTES:

1. DISCONNECT EXISTING BRANCH CIRCUITS AND DEMOLISH EXISTING LUMINAIRES AND ELECTRICAL DEVICE AS SHOWN. PULL BACK CONDUCTORS TO NEAREST SOURCE OF POWER AND RETAIN EXISTING BRANCH CIRCUIT FOR EXTENSION. PATCH AND REPAIR TO MATCH EXISTING CONDITIONS. REFERENCE ARCHITECTURAL FOR ADDITIONAL INFORMATION.
2. EXTEND EXISTING BRANCH CIRCUIT TO NEW DEVICE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PRIOR TO ROUGH-IN. PROVIDE ADDITIONAL CONDUIT AND MATERIALS TO PERFORM WORK. COORDINATE WITH ARCHITECTURAL FOR ALL FACEPLATE FINISHES.
3. EXTEND EXISTING LIGHTING BRANCH CIRCUIT AND NEW CONTROLS TO NEW LUMINAIRES AS SHOWN. PROVIDE ADDITIONAL CONDUIT AND MATERIALS TO PERFORM WORK.
4. OCCUPANCY SENSOR DEVICE IN THIS SPACE SHALL BE PROGRAMMED TO BE ON/OFF WITH TIME DELAY OF 30 MIN FOR OCCUPANCY SAFETY.
5. REFERENCE ARCHITECTURAL FOR MEZZANINE ACCESS.

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp
REGISTERED PROFESSIONAL ENGINEER
98951PE
OREGON
NOV 19, 2019
GARTH L. STEVENS
EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers · surveyors · planners · scientists

DRAWING REVISIONS

#	Date	Description
1	01/26/2026	BID SET

OBSIDIAN MIDDLE SCHOOL MODERNIZATION
REDMOND SCHOOL DISTRICT
BID SET

Drawing Title: ELECTRICAL PLANS - BOYS' WEST
Date : 2026-01-30
Revised : -
Project No. 25033
Sheet No. E5.10

© 2025 SĀJ Architecture, LLC

1/26/2026 1:25:42 PM

LIGHTING PLAN GENERAL NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. LOW VOLTAGE CABLES (LIGHTING CONTROLS) ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED USING J-HOOKS AT INTERVALS NOT TO EXCEED 48" OC, UNO.
D. CONTRACTOR SHALL COORDINATE WHICH WALL IS TEACHING WALL IN ALL CLASSROOMS PRIOR TO PROGRAMMING LIGHTING CONTROLS AND MAKE ADJUSTMENTS. TEACHER WALL IS CONTROLLED INDEPENDENTLY AND NOTED BY SWITCH LEG 'b'.
E. COORDINATE FINAL SEQUENCE OF OPERATIONS WITH COMMISSIONING AGENT AND ANDREW REYES WITH SYSTEMS WEST @ (541) 604-9625, AREYES@SYSTEMSWESTENGINEERS.COM

ELECTRICAL DEMO NOTES

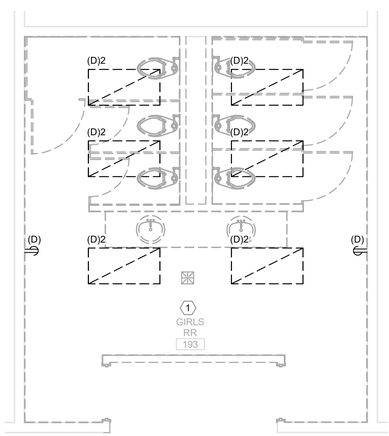
A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. ALL WALL REGIONS SHOWN DASHED ARE EXISTING, TO BE DEMO'D, OR IN SOME CASES ARE EXISTING DOORWAYS TO BE WALLED IN. CONTRACTOR SHALL PROVIDE A MEANS AND MATERIALS AS REQUIRED TO MAINTAIN EXISTING BRANCH CIRCUITS TO REMAIN.
D. DASHED WALLS, EQUIPMENT, FIXTURES AND DEVICES SHOWN BLACK, OR BLACK AND DASHED ARE EXISTING FOR DEMO, AND ITEMS IN GRAY AND SOLID ARE EXISTING TO REMAIN, UNLESS SPECIFICALLY NOTED OTHERWISE.
E. ALL ITEMS NOTED FOR DEMO SHALL BE COMPLETELY DEMO'D, INCLUDING DISCONNECTS, CONDUIT AND CONDUCTORS BACK TO SOURCE, UNLESS SPECIFICALLY NOTED OTHERWISE.
F. DESIGN DOCUMENTS PROVIDE EXISTING CONDITIONS BASED ON AVAILABLE AS-BUILT DOCUMENTATION AND SITE OBSERVATIONS WITHIN THE PROJECT SCOPE. NOT ALL EXISTING DEVICE LOCATIONS HAVE BEEN VERIFIED AND THEREFORE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS TO THE BEST OF THEIR CAPABILITIES PRIOR TO BID.
G. EXISTING BRANCH CIRCUITS ARE NOTED BASED OFF EXISTING OBSERVED CIRCUIT DIRECTORY AS PART OF SITE INVESTIGATION AND LIMITED AS BUILT RECORDS. CONTRACTOR SHALL FIELD VERIFY EACH ASSOCIATED BRACH CIRCUIT AND PROVIDE THE ENGINEER WITH UPDATED AS BUILT DOCUMENTATION WHERE POSSIBLE AS PART OF AREA OF WORK.

ELECTRICAL GENERAL NOTES

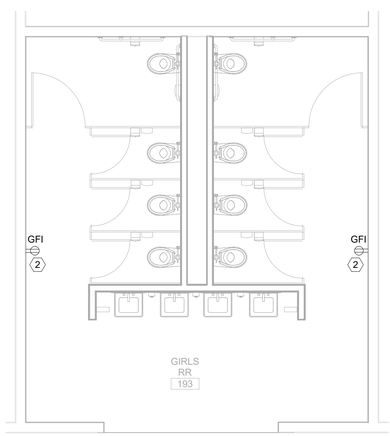
A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. LOW VOLTAGE CABLES (LIGHTING CONTROLS) ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED USING J-HOOKS AT INTERVALS NOT TO EXCEED 48" OC, UNO.

KEY NOTES:

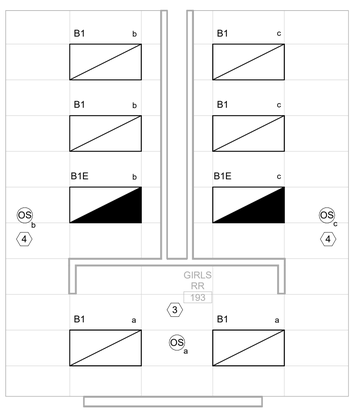
1. DISCONNECT EXISTING BRANCH CIRCUITS AND DEMOLISH EXISTING LUMINAIRES AND ELECTRICAL DEVICE AS SHOWN. PULL BACK CONDUCTORS TO NEAREST SOURCE OF POWER AND RETAIN EXISTING BRANCH CIRCUIT FOR EXTENSION. PATCH AND REPAIR TO MATCH EXISTING CONDITIONS. REFERENCE ARCHITECTURAL FOR ADDITIONAL INFORMATION.
2. EXTEND EXISTING BRANCH CIRCUIT TO NEW DEVICE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PRIOR TO ROUGH-IN. PROVIDE ADDITIONAL CONDUIT AND MATERIALS TO PERFORM WORK. COORDINATE WITH ARCHITECTURAL FOR ALL FACEPLATE FINISHES.
3. EXTEND EXISTING LIGHTING BRANCH CIRCUIT AND NEW CONTROLS TO NEW LUMINAIRES AS SHOWN. PROVIDE ADDITIONAL CONDUIT AND MATERIALS TO PERFORM WORK.
4. OCCUPANCY SENSOR DEVICE IN THIS SPACE SHALL BE PROGRAMMED TO BE ON/OFF WITH TIME DELAY OF 30 MIN FOR OCCUPANCY SAFETY.



1 ELECTRICAL DEMOLITION FLOOR PLAN - GIRLS' WEST
1/4" = 1'-0" @ FULL SIZE



2 ELECTRICAL POWER FLOOR PLAN - GIRLS' WEST
1/4" = 1'-0" @ FULL SIZE



3 ELECTRICAL REFLECTED CEILING PLAN - GIRLS' WEST
1/4" = 1'-0" @ FULL SIZE

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp
REGISTERED PROFESSIONAL ENGINEER
98951PE
OREGON
NOV 19, 2019
GARTH L. STEVENS
EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers · surveyors · planners · scientists

DRAWING REVISIONS

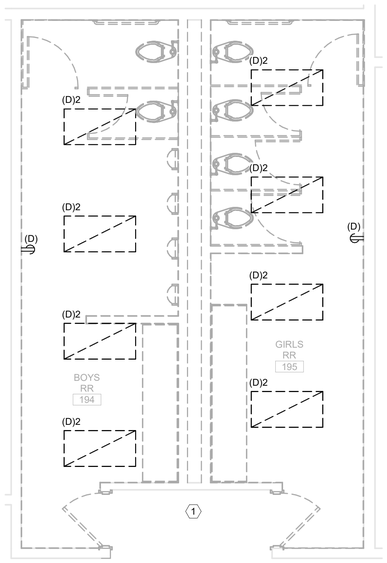
#	Date	Description
1	01/26/2026	BID SET

OBSIDIAN MIDDLE SCHOOL MODERNIZATION
REDMOND SCHOOL DISTRICT
BID SET

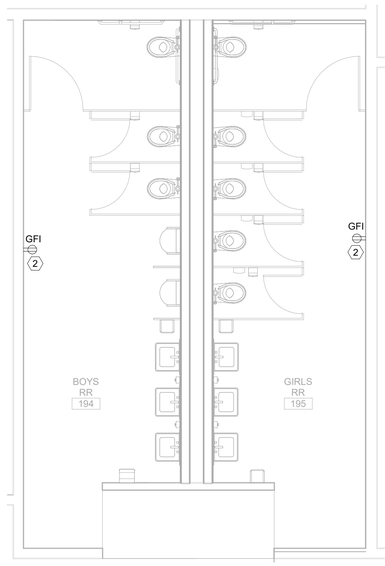
Drawing Title: ELECTRICAL PLANS - GIRLS' WEST
Date : 2026-01-30
Revised :
Project No. 25033
Sheet No. E5.11

© 2025 SĀJ Architecture, LLC

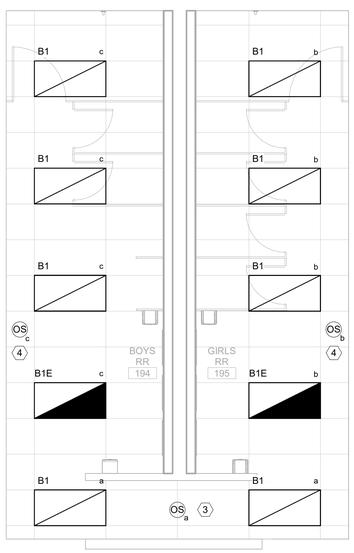
1/26/2026 1:25:44 PM



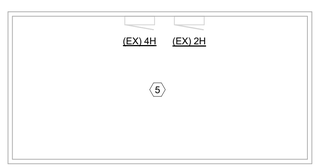
1 ELECTRICAL DEMOLITION FLOOR PLAN - EAST RESTROOM
1/4" = 1'-0" @ FULL SIZE



2 ELECTRICAL POWER FLOOR PLAN - EAST RESTROOM
1/4" = 1'-0" @ FULL SIZE



3 ELECTRICAL REFLECTED CEILING PLAN - EAST RESTROOM
1/4" = 1'-0" @ FULL SIZE



4 ELECTRICAL ENLARGED MEZZANINE 2 PLAN - REFERENCE ONLY
1/4" = 1'-0" @ FULL SIZE

LIGHTING PLAN GENERAL NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. LOW VOLTAGE CABLES (LIGHTING CONTROLS) ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED USING J-HOOKS AT INTERVALS NOT TO EXCEED 48" OC, UNO.
D. CONTRACTOR SHALL COORDINATE WHICH WALL IS TEACHING WALL IN ALL CLASSROOMS PRIOR TO PROGRAMMING LIGHTING CONTROLS AND MAKE ADJUSTMENTS. TEACHER WALL IS CONTROLLED INDEPENDENTLY AND NOTED BY SWITCH LEG 'b'.
E. COORDINATE FINAL SEQUENCE OF OPERATIONS WITH COMMISSIONING AGENT AND ANDREW REYES WITH SYSTEMS WEST @ (541) 604-9625, AREYES@SYSTEMSWESTENGINEERS.COM

ELECTRICAL DEMO NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. ALL WALL REGIONS SHOWN DASHED ARE EXISTING, TO BE DEMO'D, OR IN SOME CASES ARE EXISTING DOORWAYS TO BE WALLED IN. CONTRACTOR SHALL PROVIDE A MEANS AND MATERIALS AS REQUIRED TO MAINTAIN EXISTING BRANCH CIRCUITS TO REMAIN.
D. DASHED WALLS, EQUIPMENT, FIXTURES AND DEVICES SHOWN BLACK, OR BLACK AND DASHED ARE EXISTING FOR DEMO, AND ITEMS IN GRAY AND SOLID ARE EXISTING TO REMAIN, UNLESS SPECIFICALLY NOTED OTHERWISE.
E. ALL ITEMS NOTED FOR DEMO SHALL BE COMPLETELY DEMO'D, INCLUDING DISCONNECTS, CONDUIT AND CONDUCTORS BACK TO SOURCE, UNLESS SPECIFICALLY NOTED OTHERWISE.
F. DESIGN DOCUMENTS PROVIDE EXISTING CONDITIONS BASED ON AVAILABLE AS-BUILT DOCUMENTATION AND SITE OBSERVATIONS WITHIN THE PROJECT SCOPE. NOT ALL EXISTING DEVICE LOCATIONS HAVE BEEN VERIFIED AND THEREFORE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS TO THE BEST OF THEIR CAPABILITIES PRIOR TO BID.
G. EXISTING BRANCH CIRCUITS ARE NOTED BASED OFF EXISTING OBSERVED CIRCUIT DIRECTORY AS PART OF SITE INVESTIGATION AND LIMITED AS BUILT RECORDS. CONTRACTOR SHALL FIELD VERIFY EACH ASSOCIATED BRACH CIRCUIT AND PROVIDE THE ENGINEER WITH UPDATED AS BUILT DOCUMENTATION WHERE POSSIBLE AS PART OF AREA OF WORK.

ELECTRICAL GENERAL NOTES

A. IT IS ABSOLUTELY NECESSARY FOR ALL TRADES INVOLVED TO COORDINATE WITH EACH OTHER AND VERIFY THAT THERE ARE NO CONFLICTS IN LOCATION OF DUCTS, CONDUITS, DIFFUSERS, BOXES, AND OTHER ITEMS THROUGHOUT THIS PROJECT BEFORE FINAL PLACEMENT OF MATERIALS.
B. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING OF FLOORS, WALLS, CEILINGS, AND ROOFS TO PERFORM THE REQUIRED WORK DEPICTED IN THESE DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING OF HOLES TO THE SATISFACTION OF THE ARCHITECT/ENGINEER.
C. LOW VOLTAGE CABLES (LIGHTING CONTROLS) ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED USING J-HOOKS AT INTERVALS NOT TO EXCEED 48" OC, UNO.

KEY NOTES:

1. DISCONNECT EXISTING BRANCH CIRCUITS AND DEMOLISH EXISTING LUMINAIRES AND ELECTRICAL DEVICE AS SHOWN. PULL BACK CONDUCTORS TO NEAREST SOURCE OF POWER AND RETAIN EXISTING BRANCH CIRCUIT FOR EXTENSION. PATCH AND REPAIR TO MATCH EXISTING CONDITIONS. REFERENCE ARCHITECTURAL FOR ADDITIONAL INFORMATION.
2. EXTEND EXISTING BRANCH CIRCUIT TO NEW DEVICE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PRIOR TO ROUGH-IN. PROVIDE ADDITIONAL CONDUIT AND MATERIALS TO PERFORM WORK. COORDINATE WITH ARCHITECTURAL FOR ALL FACEPLATE FINISHES.
3. EXTEND EXISTING LIGHTING BRANCH CIRCUIT AND NEW CONTROLS TO NEW LUMINAIRES AS SHOWN. PROVIDE ADDITIONAL CONDUIT AND MATERIALS TO PERFORM WORK.
4. OCCUPANCY SENSOR DEVICE IN THIS SPACE SHALL BE PROGRAMMED TO BE ON/OFF WITH TIME DELAY OF 30 MIN FOR OCCUPANCY SAFETY.
5. MEZZANINE ACCESSED VIA MECH 153.

sāj Architecture

BEND
721 SW Industrial Way Ste.130
Bend, OR 97702
(541) 330-6506

PORTLAND
329 NE Couch St. Ste. 203
Portland, OR 97232
(503) 595-0270

Stamp
REGISTERED PROFESSIONAL ENGINEER
98951PE
OREGON
NOV 19, 2019
GARTH L. STEVENS
EXPIRES: JUNE 30, 2026

Morrison Maierle
engineers · surveyors · planners · scientists

DRAWING REVISIONS

#	Date	Description
1	01/26/2026	BID SET

OBSIDIAN MIDDLE SCHOOL MODERNIZATION
REDMOND SCHOOL DISTRICT
BID SET

Drawing Title: ELECTRICAL PLANS - EAST BATHROOM
Date : 2026-01-30
Revised :
Project No. 25033
Sheet No. E5.12

© 2025 SĀJ Architecture, LLC

1/26/2026 1:25:47 PM