









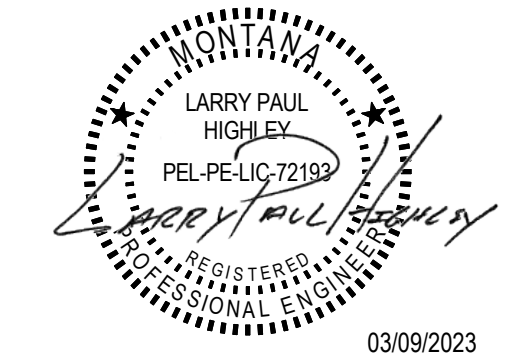
PROJECT:  
**MONTANA STATE UNIVERSITY**

**ARL BUILDING  
LAB 114 FIT OUT**

2380 TECHNOLOGY BLVD  
BOZEMAN, MT 59718

CONSULTANTS:

REGISTRATION:



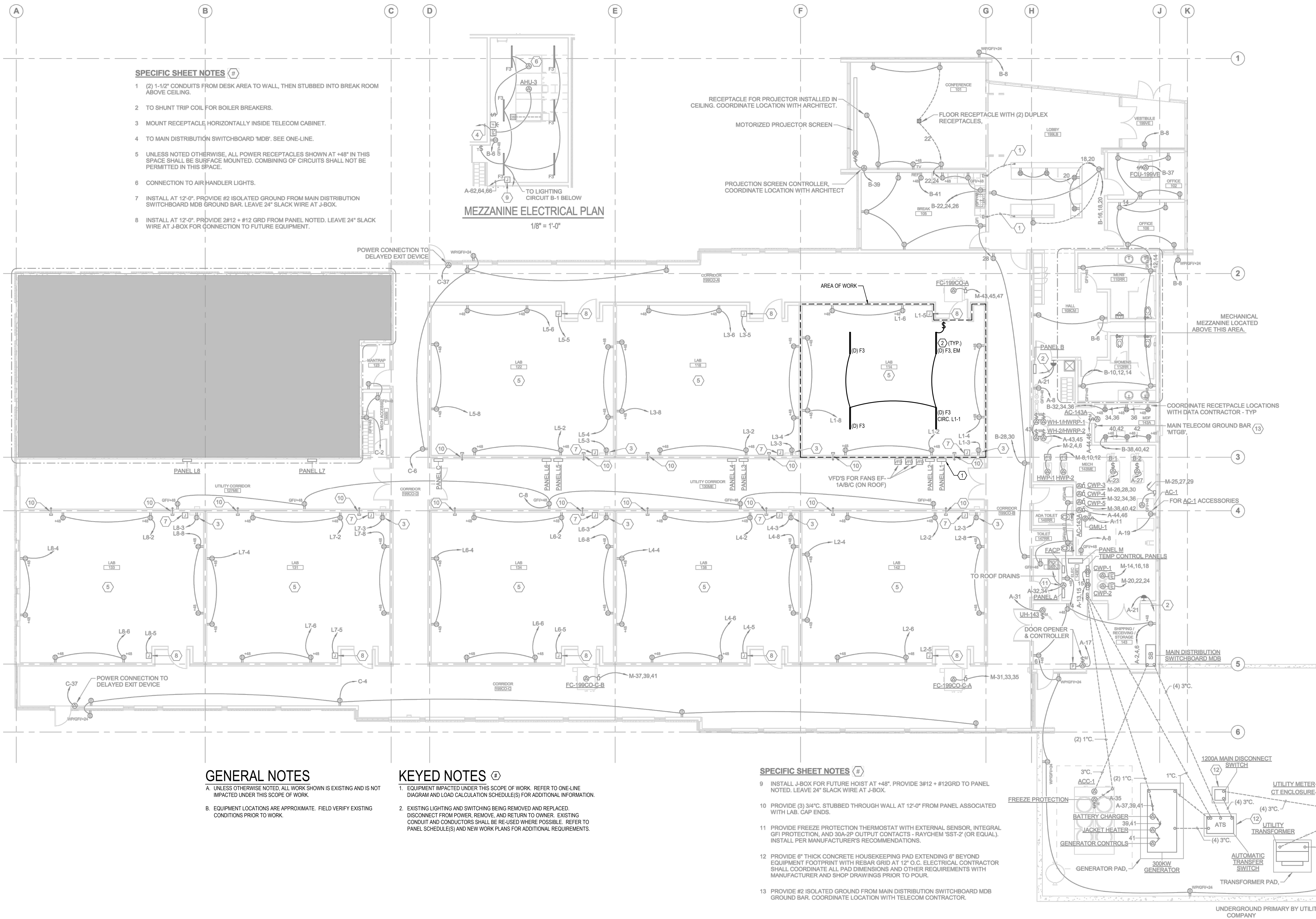
ISSUES:	NO	DATE	DESCRIPTION
-	01/27/2023	OWNER REVIEW SET	
-	03/07/2023	ISSUED FOR PERMIT	

DESIGNED: J. COULTER, Z. CONLEY  
DRAWN: Z. CONLEY  
CHECKED: P. HIGHLEY  
JOB NO: MSU-ARL-TI-114

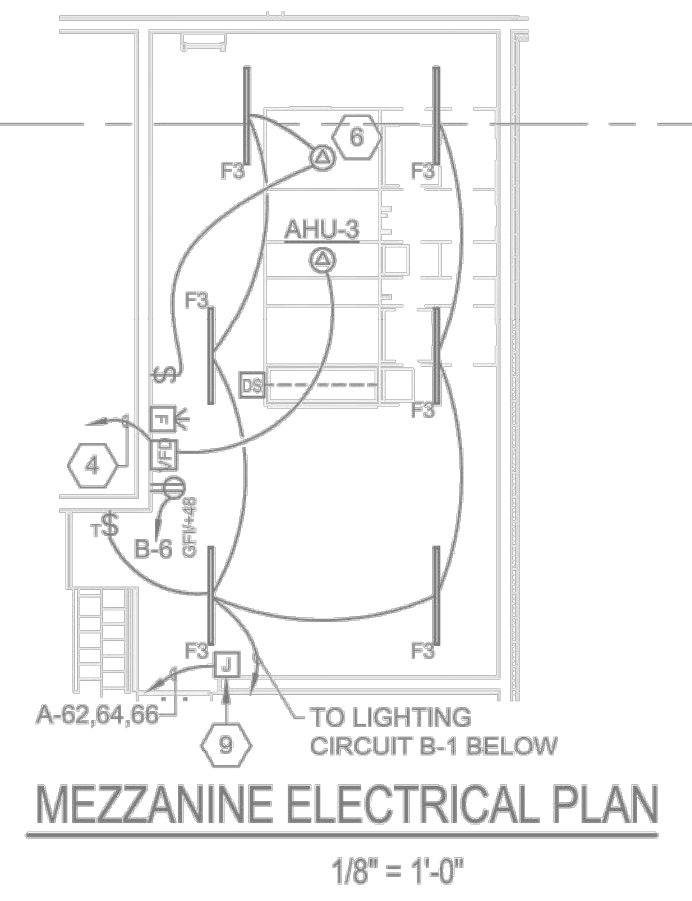
SHEET TITLE:  
**FIRST FLOOR LAB 114  
ELECTRICAL  
DEMOLITION PLAN**

SHEET NUMBER:

**ED101**



- SPECIFIC SHEET NOTES (#)**
- (2) 1-1/2" CONDUITS FROM DESK AREA TO WALL, THEN STUBBED INTO BREAK ROOM ABOVE CEILING.
  - TO SHUNT TRIP COIL FOR BOILER BREAKERS.
  - MOUNT RECEPTACLE HORIZONTALLY INSIDE TELECOM CABINET.
  - TO MAIN DISTRIBUTION SWITCHBOARD 'MDB'. SEE ONE-LINE.
  - UNLESS NOTED OTHERWISE, ALL POWER RECEPTACLES SHOWN AT +48" IN THIS SPACE SHALL BE SURFACE MOUNTED. COMBINING OF CIRCUITS SHALL NOT BE PERMITTED IN THIS SPACE.
  - CONNECTION TO AIR HANDLER LIGHTS.
  - INSTALL AT 12'-0". PROVIDE #2 ISOLATED GROUND FROM MAIN DISTRIBUTION SWITCHBOARD MDB GROUND BAR. LEAVE 24" SLACK WIRE AT J-BOX.
  - INSTALL AT 12'-0". PROVIDE 2#12 + #12 GRD FROM PANEL NOTED. LEAVE 24" SLACK WIRE AT J-BOX FOR CONNECTION TO FUTURE EQUIPMENT.



- GENERAL NOTES**
- UNLESS OTHERWISE NOTED, ALL WORK SHOWN IS EXISTING AND IS NOT IMPACTED UNDER THIS SCOPE OF WORK.
  - EQUIPMENT LOCATIONS ARE APPROXIMATE. FIELD VERIFY EXISTING CONDITIONS PRIOR TO WORK.

- KEYED NOTES (#)**
- EQUIPMENT IMPACTED UNDER THIS SCOPE OF WORK. REFER TO ONE-LINE DIAGRAM AND LOAD CALCULATION SCHEDULE(S) FOR ADDITIONAL INFORMATION.
  - EXISTING LIGHTING AND SWITCHING BEING REMOVED AND REPLACED. DISCONNECT FROM POWER, REMOVE, AND RETURN TO OWNER. EXISTING CONDUIT AND CONDUCTORS SHALL BE RE-USED WHERE POSSIBLE. REFER TO PANEL SCHEDULE(S) AND NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS.

- SPECIFIC SHEET NOTES (#)**
- INSTALL J-BOX FOR FUTURE HOIST AT +48". PROVIDE 3#12 + #12GRD TO PANEL NOTED. LEAVE 24" SLACK WIRE AT J-BOX.
  - PROVIDE (3) 3/4" C. STUBBED THROUGH WALL AT 12'-0" FROM PANEL ASSOCIATED WITH LAB. CAP ENDS.
  - PROVIDE FREEZE PROTECTION THERMOSTAT WITH EXTERNAL SENSOR, INTEGRAL GFI PROTECTION, AND 30A-2P OUTPUT CONTACTS - RAYCHEM 'SST-2' (OR EQUAL), INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
  - PROVIDE 6" THICK CONCRETE HOUSEKEEPING PAD EXTENDING 6" BEYOND EQUIPMENT FOOTPRINT WITH REBAR GRID AT 12" O.C. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL PAD DIMENSIONS AND OTHER REQUIREMENTS WITH MANUFACTURER AND SHOP DRAWINGS PRIOR TO POUR.
  - PROVIDE #2 ISOLATED GROUND FROM MAIN DISTRIBUTION SWITCHBOARD MDB GROUND BAR. COORDINATE LOCATION WITH TELECOM CONTRACTOR.



