

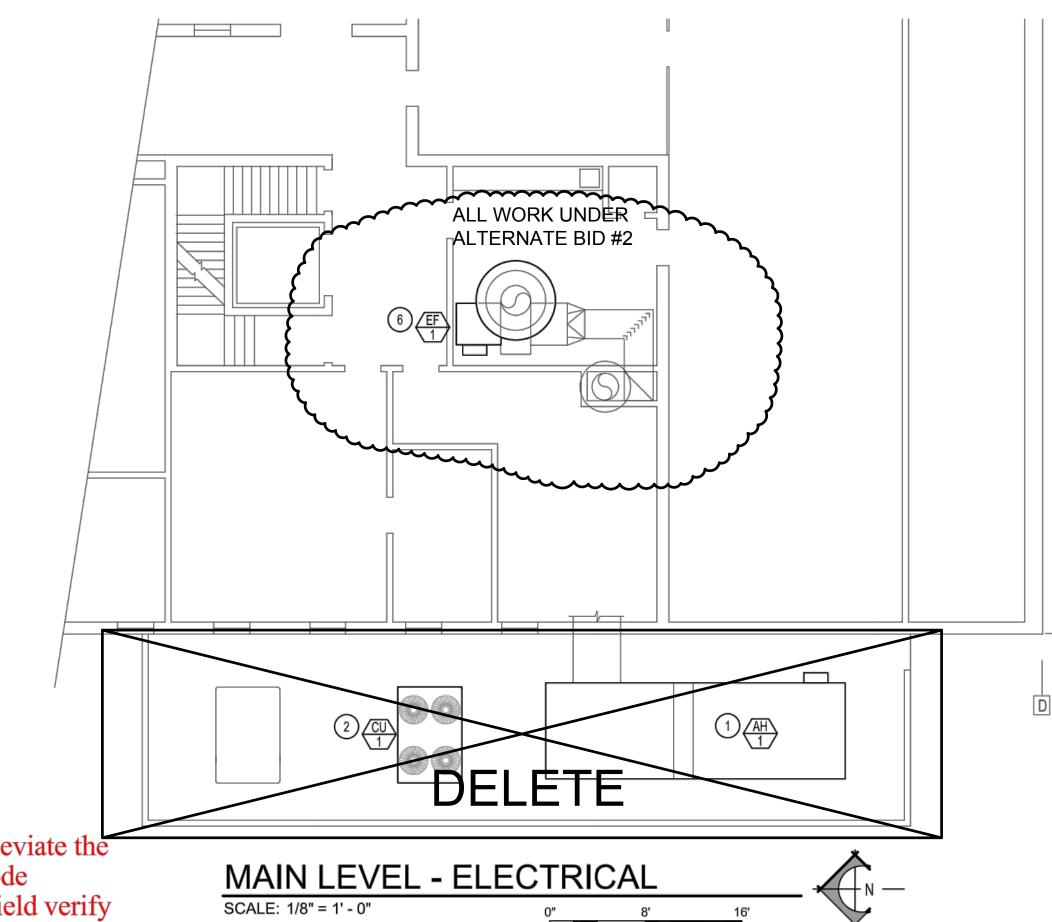
SCALE: 1/8" = 1' - 0"

Electrical Plan Review: Approved

1) Approval of these documents and drawings by an Electrical Plan Review or Inspection does not alleviate the applicant, contractor, or individuals from adherence to the 2017 National Electrical Code and local code requirements as they are adopted. Final approval will be based upon on-site electrical inspections to field verify compliance.

2) VFDs shall have a label attached to them denoting the overload setting, the date it was set, and the label shall meet the requirements of NEC 110.21 (B) (2) and (3).

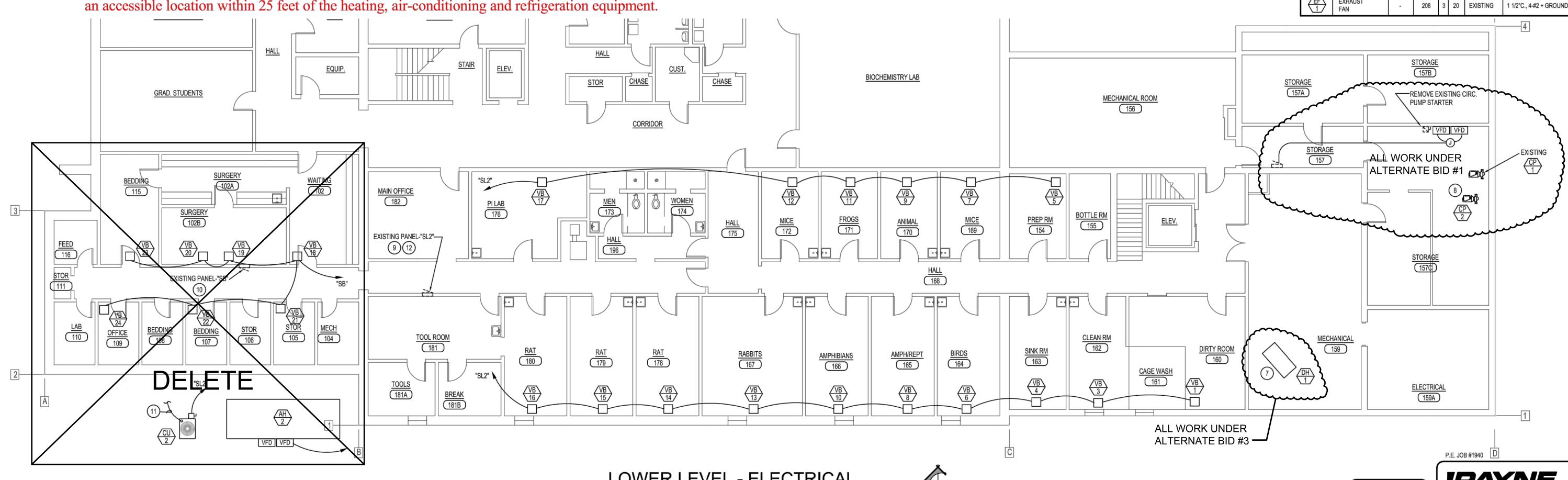
3) NEC 210.63 - At least one 125-volt, single-phase 15 or 20 Ampere rated receptacle outlet shall be installed at



KEY NOTES

- (2) DISCONNECT EXISTING FEEDER TO COND. UNIT FOR REMOVAL. PROVIDE AND INSTALL NEW 200FT. TO PANEL. E.C SHALL FIELD VERIFY LENGTH PRIOR TO ORDERING, AND EXTEND TO NEW DISCONNECT AND THEN TO COND. UNIT. MAKE ALL REQUIRED CONNECTIONS. RESTORE CONTROL CONDUIT INTO NEW UNIT.
- 3 DISCONNECT EXISTING EX. FAN. REMOVE ALL ASSOCIATED ACCESSIBLE CONDUIT AND CONDUCTORS BACK TO SOURCE AND LABEL SPARE.
- 4) DISCONNECT EXISTING COND UNIT. REMOVE ALL ASSOCIATED ACCESSIBLE CONDUIT AND
- 5 DISCONNECT EXISTING FAN COIL UNIT. REMOVE ALL ASSOCIATED ACCESSIBLE CONDUIT AND CONDUCTORS BACK TO SOURCE AND LABEL SPARE.
- (6) CAREFULLY DISCONNECT EXISTING EX. FAN FOR REMOVAL. REPLACE EXISTING FEEDER
- 7 DISCONNECT EXISTING DUCT HUMIDIFIER FOR REMOVAL. REPLACE EXISTING FEEDER AND EXTEND TO NEW DEHUMIDIFIER AND MAKE ALL REQUIRED CONNECTIONS.
- 8 DISCONNECT AND REMOVE EXISTING STARTER DISCONNECT. INSTALL NEW 3-#12 + GROUND FROM EXISTING PANEL TO TWO NEW VFDS, THEN INSTALL 3/4"C.,3-#12 + GROUND FROM EACH VFD TO RESPECTIVE CIRC. PUMP CP/1 AND CP/2.
- 9 REMOVE (2) 50A 2P AND (1) 40A 2P BREAKERS FROM EXISTING PANEL-"SL2", FORMERLY USED FOR FAN COIL UNIT AND COND. UNIT. PROVIDE AND INSTALL (1) 100A 3P BREAKER FOR NEW AH/2 AND (1) 30A 3P BREAKER FOR NEW COND. UNIT 2 EXISTING PANEL IS SQ-D NQOB.
- (10) PROVIDE AND INSTALL A 20A 1P BREAKER IN EXISTING PANEL-"SB". PROVIDE AND INSTALL A 1/2"C., 2-#12 + GROUND TO NEW VOLUME BOXES AND MAKE ALL REQUIRED CONNECTIONS. SEE MECH. FOR LOCATIONS. EXISTING PANEL IS SQ-D NQOB.
- (11) 3/4" CONDUIT FOR CONTROL CABLE TO INDOOR UNIT.
- 12) PROVIDE AND INSTALL (2) 20A 1P BREAKERS FOR NEW VOLUME BOXES. MAKE ALL REQUIRED
- (13) PROVIDE AND INSTALL NEW LOCAL DISCONNECT FOR AH/2 AND CU/1.

	MECHANICAL EQUIPMENT SCHEDULE							
	SYMBOL	DESCRIPTION	MCA	VOLTS	Ø	H.P.	CIRCUIT	FEEDER
(13) (EP) 2 (13)	AH 1	AIR HANDLER	-	480	3	25	SEE PLAN	SEE PLAN
	AH 2	AIR HANDLER	77	208	3	5	PANEL-"SL2"	1 1/2"C., 4-#2 + GROUND
	CP 1	CIRC. PUMP	-	208	3	3	EXISTING	3/4"C., 3-#12 + GROUND
	2 1	COND. UNIT	87	480	3	,	EXISTING	1 1/2"C., 4-#2 + GROUND
	CU 2	COND. UNIT	22.6	208	3	,	PANEL-"SL2"	3/4"C., 3-#10 + GROUND
	ŒF 1	EXHAUST FAN	-	208	3	20	EXISTING	1 1/2"C., 4-#2 + GROUND



LOWER LEVEL - ELECTRICAL SCALE: 1/8" = 1' - 0"

DATED ORIGINAL SIGNED: ON FILE AT: PAYNE ENGINEERING INC. *IPAYNE* 1823 E. Center

www.payneengineeringinc.com

Pocatello, Idaho 83201

SHEET: L-1.

HVAC UPGRADE FOR: DPW LIFE SCIENCE BUILD RE FACILITY POCATE

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ELECTRICAL PLANS