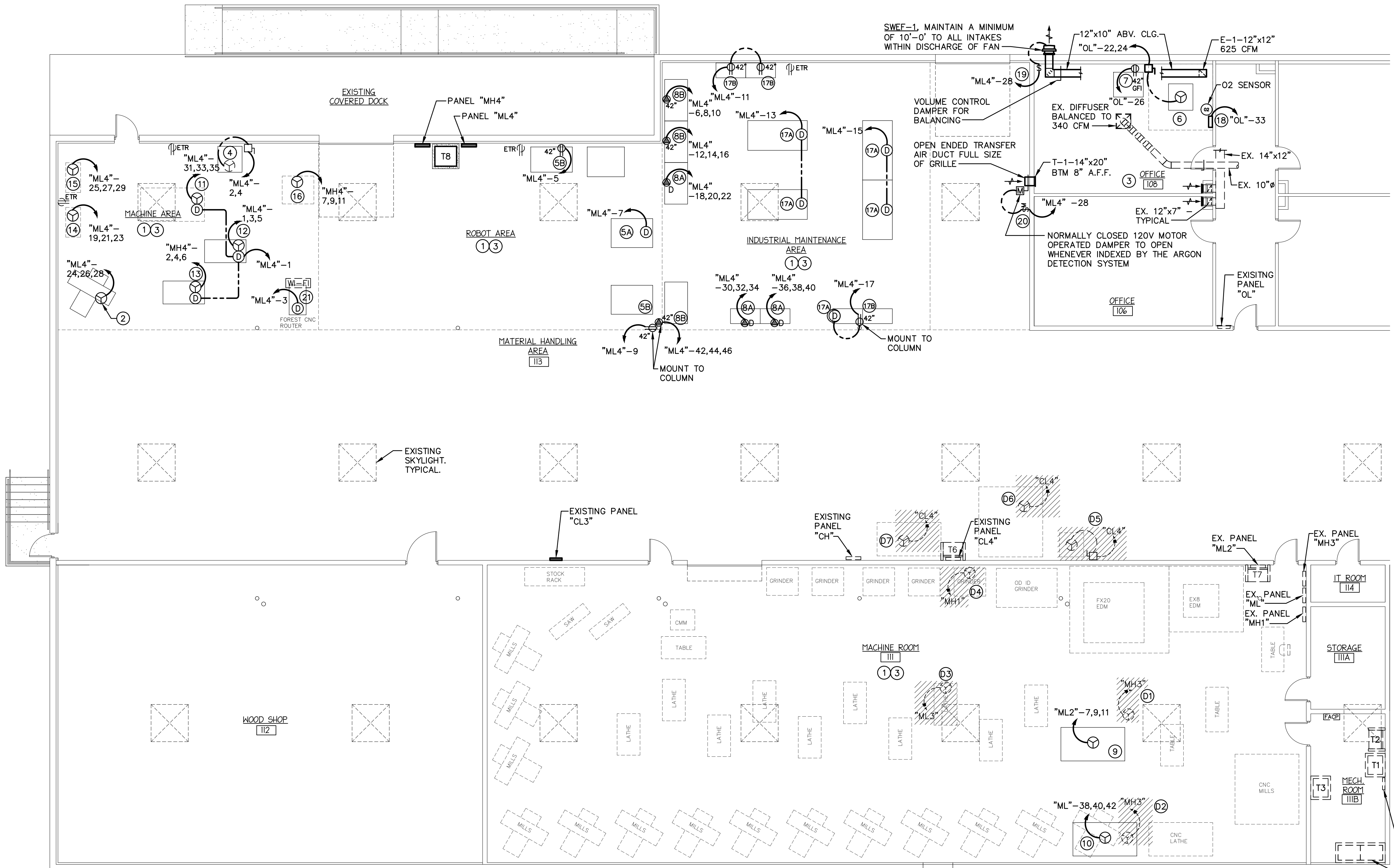


IMPORTANT EDS MACHINE WASTE AIR NOTES:

THE EDS COMES WITH 30' OF EXHAUST HOSE FOR A DIRECT FEED TO THE BUILDING EXTERIOR TO VENTILATE THE MACHINE INERT GASES (MACHINE WASTE AIR). THE MACHINE IS DESIGNED TO EXHAUST THE INERT GAS THIS DISTANCE TO THE EXTERIOR OF THE BUILDING WITHOUT AN EXTERNAL MECHANICAL EXHAUST FAN - IF 30' IS EXCEEDED, AN EXTERNAL MECHANICAL EXHAUST FAN IS REQUIRED - IT APPEARS THAT AS PER THE CURRENT DESIGN, THE TOTAL LENGTH WILL BE LESS THAN 30' AND THEREFORE AN EXTERNAL MECHANICAL EXHAUST FAN IS NOT REQUIRED TO BE CONNECTED TO THE MACHINE WASTE AIR OUTPUT. THE CONTRACTOR SHALL FOLLOW THE MANUFACTURE'S INSTALLATION INSTRUCTIONS TO INSTALL THE EXHAUST HOSE WHICH INCLUDES A GAS-TIGHT CONNECTION, NON-RETURN FLAP TO PREVENT WASTE GAS FROM FLOWING BACK. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 2" PVC PIPE FROM WITHIN 5' OF THE LEFT SIDE OF THE MACHINE WITH A VERTICALLY MOUNTED IN-LINE NON-RETURN FLAPPER VALVE. (NOTE - THE EDS MACHINE WASTE AIR CONNECTION IS IN ADDITION TO THE SIDEWALL EXHAUST FAN SWEF-1).



PARTIAL FLOOR PLAN - POWER
SCALE: 1/8" = 1'-0"

DEMOLITION NOTES

- (11) DISCONNECT EXISTING TRAK 1440ELX FROM EXISTING CIRCUIT. REMOVE WIRING AND EXPOSED CONDUIT BACK TO SOURCE PANEL "MH3". EQUIPMENT TO BE RELOCATED THIS PROJECT. LABEL EXISTING CIRCUIT BREAKER IN PANEL AS "SPARE".
- (12) DISCONNECT EXISTING TRAK K3KMX FROM EXISTING CIRCUIT AND DISCONNECT WIRING FROM CIRCUIT BREAKER AND ISOLATE AS REQUIRE PER NEC. LABEL EXISTING CIRCUIT BREAKER IN PANEL AS "SPARE".
- (13) DISCONNECT EXISTING CLAUSING 3V508 THIS ROOM FROM EXISTING CIRCUIT AND DISCONNECT WIRING FROM CIRCUIT BREAKER AND ISOLATE AS REQUIRE PER NEC. LABEL EXISTING CIRCUIT BREAKER IN PANEL AS "SPARE".
- (14) DISCONNECT EXISTING CLAUSING GRINDER C56-616H FROM EXISTING CIRCUIT AND DISCONNECT WIRING FROM CIRCUIT BREAKER AND ISOLATE AS REQUIRE PER NEC. LABEL EXISTING CIRCUIT BREAKER IN PANEL AS "SPARE".
- (15) DISCONNECT EXISTING AIR COMPRESSOR FROM EXISTING CIRCUIT. REMOVE DISCONNECT SWITCH AND RETAIN FOR RE-INSTALLATION THIS PROJECT. REMOVE WIRING AND EXPOSED CONDUIT BACK TO SOURCE PANEL "MH1". LABEL EXISTING CIRCUIT BREAKER IN PANEL AS "SPARE".
- (16) DISCONNECT EXISTING TRAK DPMRX2 FROM EXISTING CIRCUIT. REMOVE WIRING AND EXPOSED CONDUIT BACK TO SOURCE PANEL "CL4". EQUIPMENT TO BE RELOCATED THIS PROJECT. LABEL EXISTING CIRCUIT BREAKER IN PANEL AS "SPARE".
- (17) DISCONNECT EXISTING TRAK 1630RX FROM EXISTING CIRCUIT. REMOVE WIRING AND EXPOSED CONDUIT BACK TO SOURCE PANEL "MH1". EQUIPMENT TO BE RELOCATED THIS PROJECT. LABEL EXISTING CIRCUIT BREAKER IN PANEL AS "SPARE".

IMPORTANT NOTES:

CONTRACTOR TO COORDINATE ALL WIRING/CIRCUIT BREAKER SIZES WITH NAMEPLATE INFORMATION - REPORT ANY DESIGN DISCREPANCIES WITH ENGINEER PRIOR TO ORDERING AND INSTALLING WIRING/CONDUIT/CIRCUIT BREAKERS.

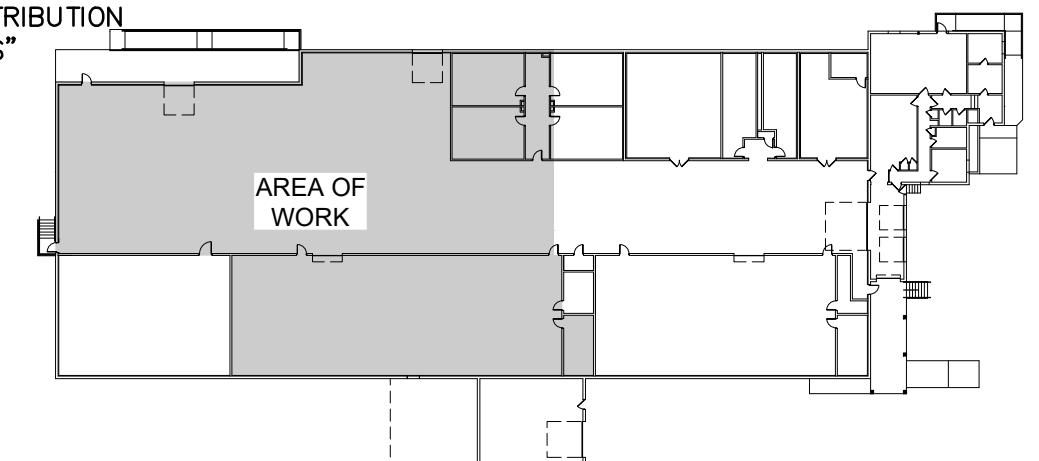
IF ANY DIRECT-CONNECTED EQUIPMENT DOES NOT HAVE A BUILT-IN DISCONNECT SWITCH, E.C. SHALL PROVIDE A DISCONNECT SWITCH RATED AS PER NEC.

(APPLY TO THIS DWG. ONLY)

DRAWING NOTES

(APPLY TO THIS DWG. ONLY)

- (1) ALL DEVICES AND ASSOCIATED CONDUITS FOR EQUIPMENT ALONG THE BUILDING WALLS IN THIS ROOM SHALL BE SURFACE MOUNTED. ALL DEVICES ON NEW WALLS SHALL BE RECESSED.
- (2) RELOCATED TRAK DPMRX2, 3ø-208 VOLTS, 27 A., WIRE SIZE: 3 #8 AND 1 #10 GROUND IN 3/4" CONDUIT. PROVIDE WIRING/CONDUIT DOWN WALL AND TO MACHINE AS REQUIRED PER NEC. REFER TO EXISTING INSTALLATIONS IN EXISTING MACHINE ROOM.
- (3) ALL EQUIPMENT AND DEVICE LOCATIONS SHALL BE VERIFIED WITH COLLEGE OR OWNER PRIOR TO ROUGH-IN.
- (4) RELOCATED AIR COMPRESSOR, 7.5 HP, 35.5 FLA, 1ø-230V, E.C. SHALL DISCONNECT AND RELOCATE THE EXISTING 60A-2P DISCONNECT SWITCH W/ SOA FUSES AND REINSTALL AT THIS LOCATION. 2 #6 AND 1 #10 GROUND IN A 3/4" CONDUIT.
- (5A) ROBOT, 1ø-120V, PROVIDE DROP CORD W/ SO CABLE WITH STRAIN RELIEF W/ 20A, 120V DUPLEX RECEPTACLE. MOUNT AT 5' AFF OR AS PER COLLEGE'S DIRECTION.
- (5B) ROBOT, 1ø-120V, PROVIDE WALL OR COLUMN MOUNT 20A, 120V DUPLEX RECEPTACLE AS PER COLLEGE'S DIRECTION.
- (6) EDS, 1ø-208V., 8A, 15MOCP, PROVIDE 30A/2P DISCONNECT SWITCH WITH 15A FUSES.
- (7) WET VACUUM MACHINE, 1ø-120V, 15.4A., PROVIDE 20-AMP GFCI RECEPTACLE.
- (8A) INDUSTRIAL MAINTENANCE LEARNING CENTER, PROVIDE L21-20R RECEPTACLE. 3ø-120/208V. 4 #10 AND 1 #10 GROUND IN A 3/4" CONDUIT. PROVIDE DROP CORD W/ SO CABLE WITH STRAIN RELIEF TO RECEPTACLE. MOUNT AT 5' AFF OR AS PER COLLEGE'S DIRECTION.
- (8B) INDUSTRIAL MAINTENANCE LEARNING CENTER, PROVIDE WALL OR COLUMN MOUNT L21-20R RECEPTACLE. 3ø-120/208V. 4 #10 AND 1 #10 GROUND IN A 3/4" CONDUIT.
- (9) DAEWOO CNC LATHE, 3ø-208V, 35A. IF UNIT DOES NOT HAVE A MAIN CIRCUIT BREAKER/DISCONNECT SWITCH, PROVIDE ONE AS PER NEC. 3 #8 AND 1 #10 GROUND IN A 1" CONDUIT.
- (10) HAAS VF-1 VERTICAL MILLING MACHINE. 40 FLA, 3ø-208V. IF UNIT DOES NOT HAVE A MAIN CIRCUIT BREAKER/DISCONNECT SWITCH, PROVIDE ONE AS PER NEC. 3 #6 AND 1 #10 GROUND IN A 1" CONDUIT.
- (11) RELOCATED TRAK 1630RX, 3ø-208V, 44A. WIRE SIZE: 3 #6 AND 1 #10 GROUND IN 3/4" CONDUIT. PROVIDE DROP CORD W/ SO CABLE WITH STRAIN RELIEF AND DIRECT CONNECT. IN ADDITION PROVIDE DROP CORD W/ SO CABLE WITH STRAIN RELIEF W/ 20A, 120V DUPLEX RECEPTACLE FOR DIGITAL READOUT. MOUNT AT 5' AFF OR AS PER COLLEGE'S DIRECTION. COORDINATE POWER DROP LOCATIONS WITH EQUIPMENT ORIENTATION. REFER TO EXISTING INSTALLATIONS IN EXISTING MACHINE ROOM AND MATCH (UTILIZING UNISTRUT MOUNT).
- (12) RELOCATED TRAK 1440ELX, 3ø-440V, 7A. WIRE SIZE: 3 #12 AND 1 #12 GROUND IN 3/4" CONDUIT. PROVIDE DROP CORD W/ SO CABLE WITH STRAIN RELIEF AND DIRECT CONNECT. IN ADDITION PROVIDE DROP CORD W/ SO CABLE WITH STRAIN RELIEF W/ 20A, 120V DUPLEX RECEPTACLE FOR DIGITAL READOUT. MOUNT AT 5' AFF OR AS PER COLLEGE'S DIRECTION. COORDINATE POWER DROP LOCATIONS WITH EQUIPMENT ORIENTATION. REFER TO EXISTING INSTALLATIONS IN EXISTING MACHINE ROOM AND MATCH (UTILIZING UNISTRUT MOUNT).
- (13) RELOCATED CLAUSING 8027J, 3ø-460V, 4.4A. WIRE SIZE: 3 #12 AND 1 #12 GROUND IN 3/4" CONDUIT. PROVIDE DROP CORD W/ SO CABLE WITH STRAIN RELIEF AND DIRECT CONNECT. IN ADDITION PROVIDE DROP CORD W/ SO CABLE WITH STRAIN RELIEF W/ 20A, 120V DUPLEX RECEPTACLE FOR DIGITAL READOUT. MOUNT AT 5' AFF OR AS PER COLLEGE'S DIRECTION. COORDINATE POWER DROP LOCATIONS WITH EQUIPMENT ORIENTATION. REFER TO EXISTING INSTALLATIONS IN EXISTING MACHINE ROOM AND MATCH (UTILIZING UNISTRUT MOUNT).
- (14) RELOCATED TRAK K3KMX, 3ø-208V, 8.5A. WIRE SIZE: 3 #12 AND 1 #12 GROUND IN 3/4" CONDUIT. PROVIDE WIRING/CONDUIT DOWN WALL AND TO MACHINE AS REQUIRED PER NEC. REFER TO EXISTING INSTALLATIONS IN EXISTING MACHINE ROOM.
- (15) RELOCATED CLAUSING 3V508, 3ø-230V, 11A. WIRE SIZE: 3 #12 AND 1 #12 GROUND IN 3/4" CONDUIT. PROVIDE WIRING/CONDUIT DOWN WALL AND TO MACHINE AS REQUIRED PER NEC. REFER TO EXISTING INSTALLATIONS IN EXISTING MACHINE ROOM.
- (16) RELOCATED CLAUSING GRINDER C56-616H, 3ø-460V, 2HP. WIRE SIZE: 3 #12 AND 1 #12 GROUND IN 3/4" CONDUIT. PROVIDE DROP CORD W/ SO CABLE WITH STRAIN RELIEF AND DIRECT CONNECT. MOUNT AT 5' AFF OR AS PER COLLEGE'S DIRECTION. COORDINATE POWER DROP LOCATIONS WITH EQUIPMENT ORIENTATION. COORDINATE POWER DROP LOCATIONS WITH EQUIPMENT ORIENTATION.
- (17A) INDUSTRIAL MAINTENANCE LEARNING CENTER OR WORK BENCH, PROVIDE 120V, 20A RECEPTACLE. PROVIDE DROP CORD W/ SO CABLE WITH STRAIN RELIEF TO RECEPTACLE. MOUNT AT 5' AFF OR AS PER COLLEGE'S DIRECTION.
- (17B) INDUSTRIAL MAINTENANCE LEARNING CENTER, PROVIDE WALL OR COLUMN MOUNT 120V, 20A RECEPTACLE.
- (18) NEW REMOTE MOUNTED ARGON (OXYGEN DEPLETION) SYSTEM MONITORING PANEL. COORDINATE ACTUAL LOCATION OF PANEL AND SENSOR IN FIELD WITH OWNER. SENSOR TO BE INSTALLED WITHIN "BREATHING ZONE" (4'-5' AFF). FURNISH AND INSTALL AUDIBLE/VISUAL ALARM (NOT SHOWN) WITHIN SPACE AND ALSO ANOTHER (NOT SHOWN) IN A CONSTANTLY ATTENDED LOCATION WITHIN THE BUILDING - COORDINATE LOCATION WITH OWNER.
- (19) PROVIDE DISCONNECT SWITCH FOR SWEF-1 AND WIRE COMPLETE.
- (20) PROVIDE SINGLE PHASE MANUAL MOTOR STARTER FOR MOTOR OPERATED DAMPER AND WIRE COMPLETE.
- (21) FOREST CNC ROUTER, 1ø-120V, PROVIDE DROP CORD W/ SO CABLE WITH STRAIN RELIEF W/ 20A, 120V DUPLEX RECEPTACLE. MOUNT AT 5' AFF OR AS PER COLLEGE'S DIRECTION.

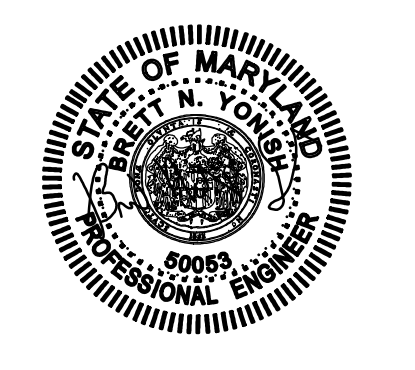


KEY PLAN
NOT TO SCALE

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 50053, EXPIRATION DATE: 10-13-2024

Brett Nicholas Yonish
DATE 12-06-2023



PARTIAL FLOOR PLAN - POWER

BUILDING REVISIONS

FOR THE

ALLEGANY COUNTY

LAVALLE BUILDING

37 LANE AVENUE, LAVALLE, MARYLAND, 21502



BRETT N. YONISH, P.E.
CHRISTOPHER C. ALBRIGHT, P.E.

541 MAIN STREET
WINDBER, PA 15963
(814) 467-6877

REVISIONS		
MARK	BY	DATE

DATE:	12-06-2023	DRAWING NO.	
DRAWN BY:	J.L.L.	E-2	
CHECKED BY:	B.N.Y.		
PROJECT NO.	EHEA 23023		