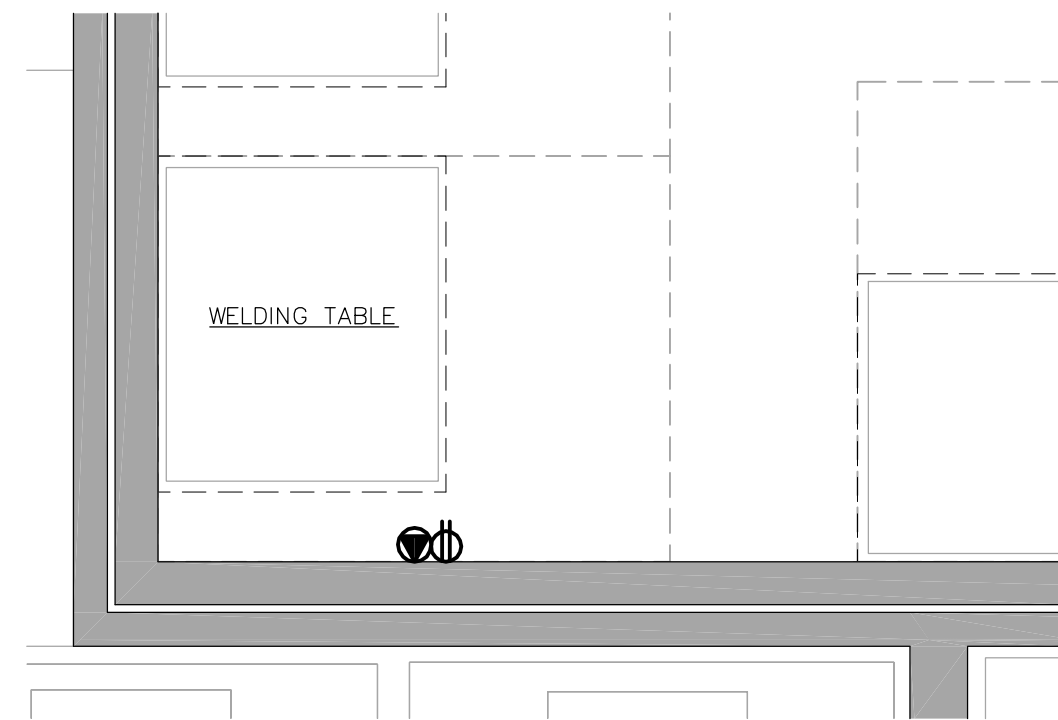
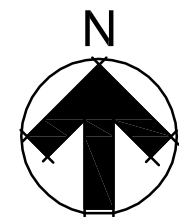
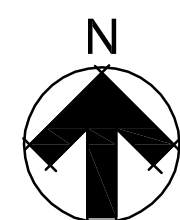


1
E5.2
1/4" = 1'-0"



2
E5.2
1/2" = 1'-0"



KEYED ELECTRICAL NOTES:

- WELDING OUTLET - VERIFY NEMA CONFIGURATION WITH WELDING EQUIPMENT SUPPLIER PRIOR TO ORDERING. SURFACE MOUNT AT +48" AFF. FIELD VERIFY MOUNTING HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- GRINDER OUTLET - SURFACE MOUNT AT +48" AFF. FIELD VERIFY MOUNTING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
- FURNISH AND INSTALL ON-OFF WALL SWITCH WITH PILOT LIGHT FOR CONTROLLING WELDING HOOD EXHAUST SYSTEM. REFER TO MOTOR AND EQUIPMENT SCHEDULE.
- FURNISH AND INSTALL SWITCH TO CONTROL LIGHT AT WELDING TABLES.
- WELDING TABLE LIGHT - MOUNT AT +78" AFF, CENTERED UNDER HOOD. TYPICAL FOR ALL.
- FURNISH AND INSTALL 'EMERGENCY OFF' SWITCH TO CONTROL SHUNT-TRIP IN PANEL 'HWA'. MOUNT AT +48" AFF.
- FURNISH AND INSTALL 208V, 3Ø, 50A RECEPTACLE. CONTRACTOR SHALL VERIFY NEMA CONFIGURATION WITH EQUIPMENT PLUG PRIOR TO ORDERING.
- FURNISH AND INSTALL 208V, 3Ø, 20A RECEPTACLE. CONTRACTOR SHALL VERIFY NEMA CONFIGURATION EQUIPMENT PLUG PRIOR TO ORDERING.
- FURNISH AND INSTALL POWER FOR GAS MIXING BOX SOLENOID. COORDINATE LOCATION WITH PIPING INSTALLER. SOLENOID WILL SHUT DOWN GASSES TO WELDING LAB IN THE EVENT THAT THE EMERGENCY POWER OFF PUSH BUTTON IS ACTIVATED TO SHUT DOWN. SEE KEYNOTE 6 ON THIS SHEET.
- AUTOMATIC CHANGEOVER MANIFOLD. REFER TO SHEET A1.7 FOR SPECIFICATIONS.
- FURNISH AND INSTALL CONDUIT SLEEVE THROUGH WALL FOR ALARM LOW VOLTAGE CABLE. CONNECT CABLE TO AUTOMATIC CHANGEOVER MANIFOLD.
- FURNISH AND INSTALL CONDUIT ON WALL, UP TO JOISTS ABOVE FOR ALARM CABLE. RUN CABLE EXPOSED ALONG WALL AND DROP DOWN INSIDE WALL TO AUTOMATIC CHANGEOVER MANIFOLD ALARM.
- AUTOMATIC CHANGEOVER MANIFOLD ALARM. MOUNT AT 48" AFF. REFER TO SHEET A1.7 FOR SPECIFICATIONS.

WELDING LAB EQUIPMENT SCHEDULE

EQUIP #	QTY.	DESCRIPTION	VOLTAGE	PHASE	UNIT DISCONNECT	FEEDER SIZE	MOCBP	EXIST. RM. #	MOVED BY	FURNISHED BY	INSTALLED BY
216	1	HEAT TREATING FURNACE	--	--	--	--	--	E-8	GC	OWNER	GC
217	1	KNEALING FURNACE	--	--	--	--	--	E-8	GC	OWNER	GC
--	20	WELDER	480	3	NEMA L16-30R	(3)#10,(1)#10G,.3/4"C.	30A-3P CB	--	(NEW)	OWNER	OWNER
--	20	GRINDER	120	1	NEMA L5-20R	(2)#12,(1)#12G,.3/4"C.	20A-1P CB	--	(NEW)	OWNER	OWNER

NOTES:
1. E-7 - EXISTING MACHINING LAB AT FOUR RIVERS CAREER CENTER IN WASHINGTON, MO.
2. E-8 - EXISTING IE LAB AT FOUR RIVERS CAREER CENTER IN WASHINGTON, MO.
3. E-12 - EXISTING INSPECTION ROOM AT FOUR RIVERS CAREER CENTER IN WASHINGTON, MO.
4. 2ND FLOOR - EXISTING MACHINING LAB AT 2ND FLOOR OF FOUR RIVERS CAREER CENTER IN WASHINGTON, MO.

EXISTING ROUGH-INS FOR WELDING CUBICLES:

PROVIDE COVERPLATE THAT WILL ACCEPT CONDUIT ELBOW ATTACHMENT AND EXTEND RACEWAY (CONDUIT) ALONG WALL AND METAL PANEL TO FEED NEW OUTLET LOCATIONS. TYPICAL FOR WELDING AND GRINDING OUTLETS.

FIELD VERIFY IF ANY CURRENT LOCATIONS OF ROUGH-INS FOR WELDING CUBICLE LIGHTS ARE ACCEPTABLE WITH OWNER. IF NOT ACCEPTABLE, PROVIDE BLANK COVER PLATE AND PROVIDE AT NEW LOCATION, CENTERED UNDER HOOD PER KEYNOTE #5 THIS SHEET.