

February 3, 2025

ADDENDUM NO. 1



RE: Welding Lab Renovations
Blue Ridge Community and Technical College
109 War Memorial Drive
Berkeley Springs, West Virginia 25411
Architect's Project No. 24040

TO: Prospective Bidders

FROM: ZMM, Inc. Architects and Engineers

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents.

**ATTACH THIS ADDENDUM TO THE FRONT COVER OF THE PROJECT MANUAL AND
ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED ON THE BID
FORM.**

PART 1 - INFORMATION FOR BIDDERS

- A. Pre-Bid Meeting Sign-In Sheet is attached to this Addendum.
- B. Refer to Morgan County Welding Equipment product literature as attached to this Addendum.
 - 1. Attachment describes Owner-furnished equipment. The welder model selection will be that utilizing 230 volt, single-phase power.
 - 2. Refer to coded plan notes on Sheet A131 for Owner-furnished and Contractor-installed items.

PART 2 - CHANGES TO DRAWINGS

- A. REPLACE Drawing E101 dated 12/13/2024 with attached Drawing No. E101R-1.
 - 1. Drawing replaced to include fire alarm scope of work.

END OF ADDENDUM

Attachments: Pre-Bid Meeting Sign-In Sheet 1 pages
Morgan County Welding Equipment product literature 9 pages
Drawing E101R-1 42" x 30"

Blacksburg
1116 South Main Street
Blacksburg, Virginia 24060
(540) 552-2151

Charleston
222 Lee Street West
Charleston, West Virginia 25302
(304) 342-0159

Marietta
149 Acme Street, Suite A
Marietta, Ohio 45750
(740) 371-9001

Martinsburg
5550 Winchester Avenue
Berkeley Business Park, Suite 5
Martinsburg, West Virginia 25405
(304) 342-0159

www.zmm.com

PRE-BID MEETING SIGN-IN SHEET

#24040 Blue Ridge CTC Welding Lab
Thursday January 30th, 2025 @ 11am

PLEASE PRINT

NAME: GREG ECKARD
FIRM: CALLAS CONTRACTORS, LLC
ADDRESS: 10549 DOWNSVILLE PIKE
HAGERSTOWN, MD 21740
PHONE: 301.739.8400 FAX: _____
EMAIL: bids@callascontractors.com
BIDDING CONTRACT FOR: 25228

NAME: Avery Costilow
FIRM: Harbel, Inc.
ADDRESS: 11521 Milner Ave.
Cumberland, MD 21502
PHONE: 301.729.8900 FAX: _____
EMAIL: jwilson@thebestgroup.com
BIDDING CONTRACT FOR: GC

NAME: Richard Donovan
FIRM: WVCTCS
ADDRESS: 2001 Union Carbide Dr.
Bldg. 2000, So. Charleston WV, 25304
PHONE: 681-313-2212 FAX: _____
EMAIL: donovan@wvctcs.edu
BIDDING CONTRACT FOR: _____

NAME: Jon Sloan
FIRM: International Union of Painters & Allied
Trades
ADDRESS: Fairmont W
PHONE: 304 4766633 FAX: _____
EMAIL: jsloan@iupatdc53.org
BIDDING CONTRACT FOR: _____

PLEASE PRINT

NAME: DAVID WILLIAMS
FIRM: SHALLOW CREEK ELECTRICAL SVC
ADDRESS: LOCK A. AIRPORT ROAD
WINCHESTER VA 22602
PHONE: ⁵⁴⁰ 535-6372 FAX: _____
EMAIL: dwilliams@shallowcreekelectrical.com
BIDDING CONTRACT FOR: ELECTRICAL

NAME: Kevin Kelley
FIRM: Shallow Creek Electrical
ADDRESS: 600 Airport Rd
Winchester VA 22602
PHONE: ⁵⁴⁰ 722 2876 FAX: _____
EMAIL: kkelley@shallowcreekelectrical.com
BIDDING CONTRACT FOR: Electrical

NAME: OCA Shirley
FIRM: Hranec Corp
ADDRESS: 999 McClellandtown Road
Uniontown, PA 15401
PHONE: 724-437-2211 FAX: _____
EMAIL: OCA@hranec.com
BIDDING CONTRACT FOR: MECHANICAL/PRIME

NAME: Lyndon Horst
FIRM: United Enterprises Construction
ADDRESS: 301 S Antrim Way, Suite 1
Greencastle, PA 17225
PHONE: 717 8167733 FAX: 717 5930880
EMAIL: lyndon@unitedec.net
BIDDING CONTRACT FOR: General Contractor





CLEAN AIR AMERICA



WELDSTATION™ AIRE

Premier Fume Extraction Solutions for Trade Schools and Welding Labs

STANDARD FEATURES

Self-Contained for Enhanced Lab Safety

Plug-and-Play Functionality for Easy Installation

5' Table Design with Adjustable Shelf

NEMA 12 Electrical Enclosure Motor Starter

Easy-to-Change Filter Configuration

Built-In Two-Stage Spark Arrestors

Optional Weld Curtain for Improved Source Capture

SPECIFICATIONS

Air Flow: 2,500 CFM

Filter Cartridges: Qty (1) Pleated 24" x 24" x 4" & Qty (1) Pleated 24" x 24" x 12" Box Style Filters

Spark Arrestors: Qty (2) 24" x 24" x 2" Metal Spark Baffle plates and (2) 24" x 24" x 2" Metal Mesh Filters

Motor / Blower: 3HP, Direct Drive, Backward Inclined Blower

Power: Single Phase

Silencing: Internal Noise Abatement in motor/blower compartment for noise dampening (70 – 80 dB at 5')

Dimensions: 60" L x 41" D x 98" H

Weight: 900 lbs – 12-Gauge Solid Weld Construction



Clean Air America has long served as the industry leader for fume extraction solutions in welding labs across the country. The WeldStation™ AIRE brings to customers an affordable unit and a smaller footprint without meaningful sacrifices in performance. Plug-and-play functionality allows users easy installation and will have your welding students ready to learn in a clean and safe environment.

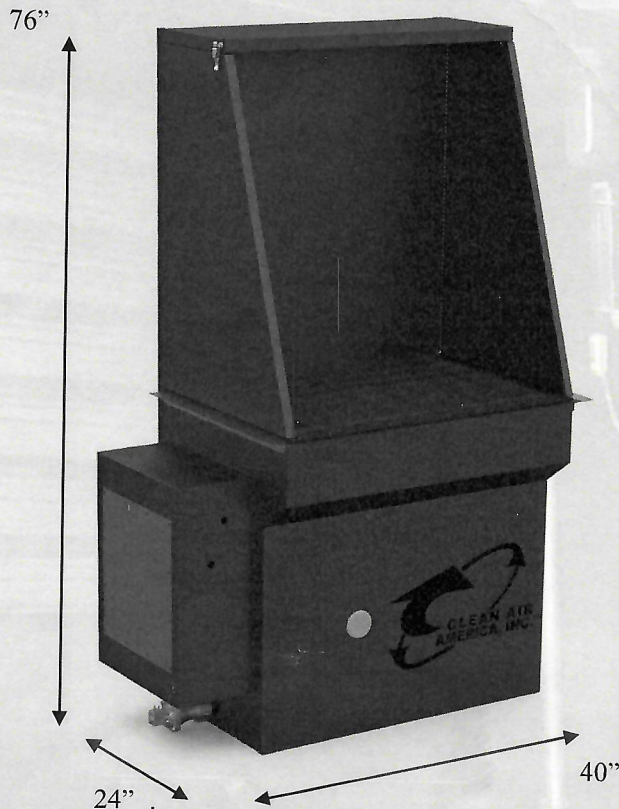
Clean Air America -- 7 Superior Drive SE, Rome, GA 30161 -- www.Clean-Air.com

Sales@Clean-Air.Com -- 866.665.1829



CLEAN AIR AMERICA

DOWNDRAFT TABLE 2X3



SPECIFICATIONS

Air Flow: 1,200 CFM

Filter Cartridges: Qty (1) Fire Retardant Filter

Spark Arrestors: Integrated Metal Mesh and Baffle Plate

Motor / Blower: 1.5HP, 3,450 RPM

Power: Single Phase: 120V, 16.7A

Compressed Air: 1" NPT Compressed Air connection – 70-90 PSI required

Silencing: 60 – 74 dBA at 5'

Dimensions: 40" L x 24" D x 76" H

STANDARD FEATURES

Handsfree Fume Extraction

Self-Contained for Welding & Grinding

Plug-and-Play Functionality for Easy Installation

Integrated Side Shields and Hood

Internal Noise Abatement

Fire Retardant Filters

Integrated Spark Arrestor System

Caster Wheels for Mobility

OPTIONAL FEATURES

Reverse Pulse Self-Cleaning System

Extra LED Lighting

Plasma Kit Available



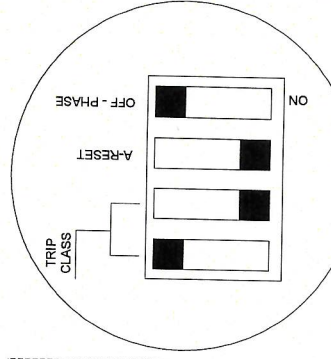
Clean Air America -- 7 Superior Drive SE, Rome, GA 30161 -- www.Clean-Air.com

Sales@Clean-Air.Com -- 866.665.1829

To LED Light

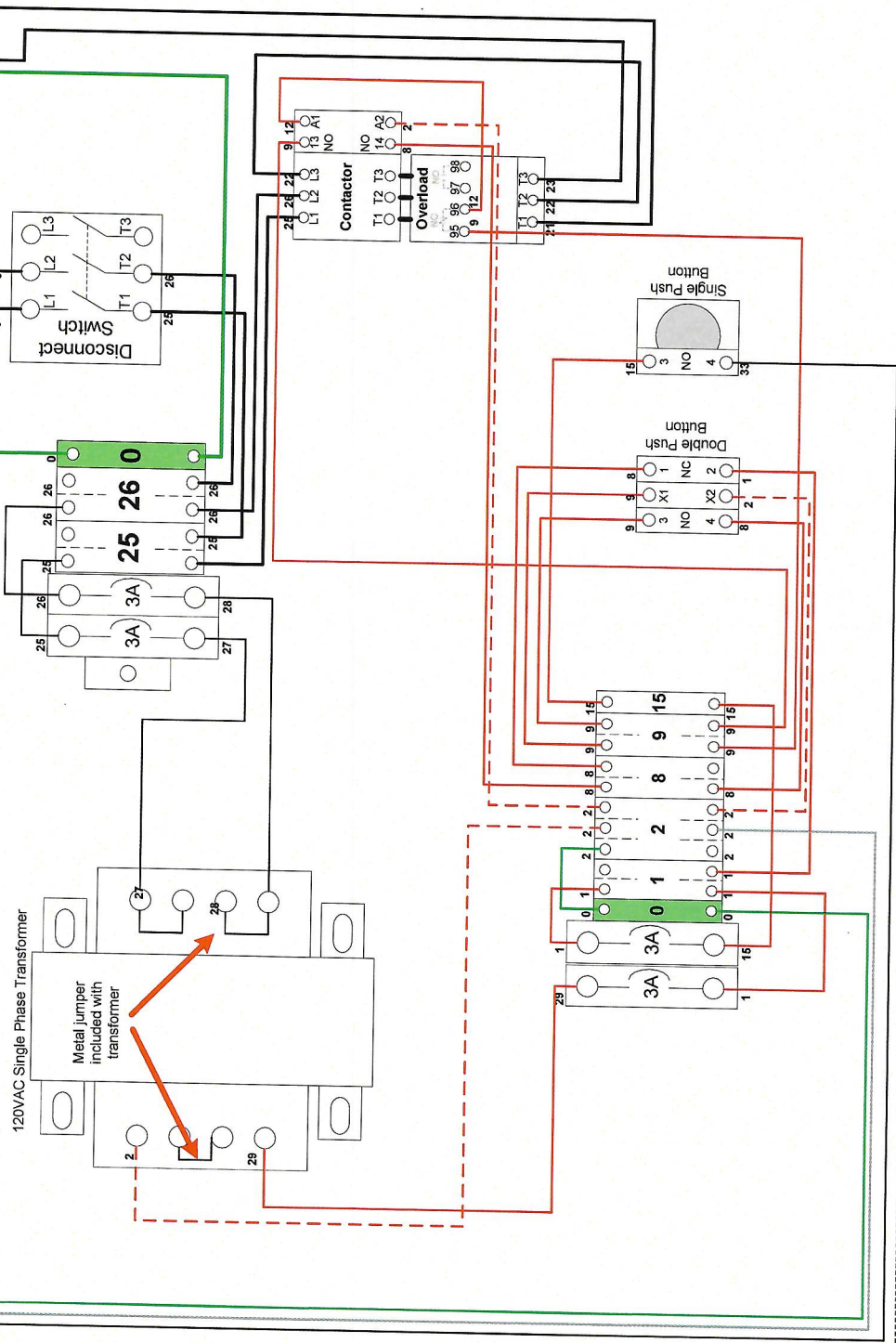
Incoming Power

To Motor



Detail A: Overload DIP SWITCH

NOTE:
Use ZDU 10 terminal blocks (the big ones)
for the 4 terminal blocks on the top row



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DESCRIPTION:
WS Air Unit, Single Phase, 208-230V

FILENAME:
E:\KELVIN\DESKTOP\CURRENT WORK\KWS AIR\WIRING DIAGRAM REV2.0.VSD

STATION:
Electrical

SHEET SIZE:
C

SCALE:
N.T.S.

DRAWN BY:
Kelvin

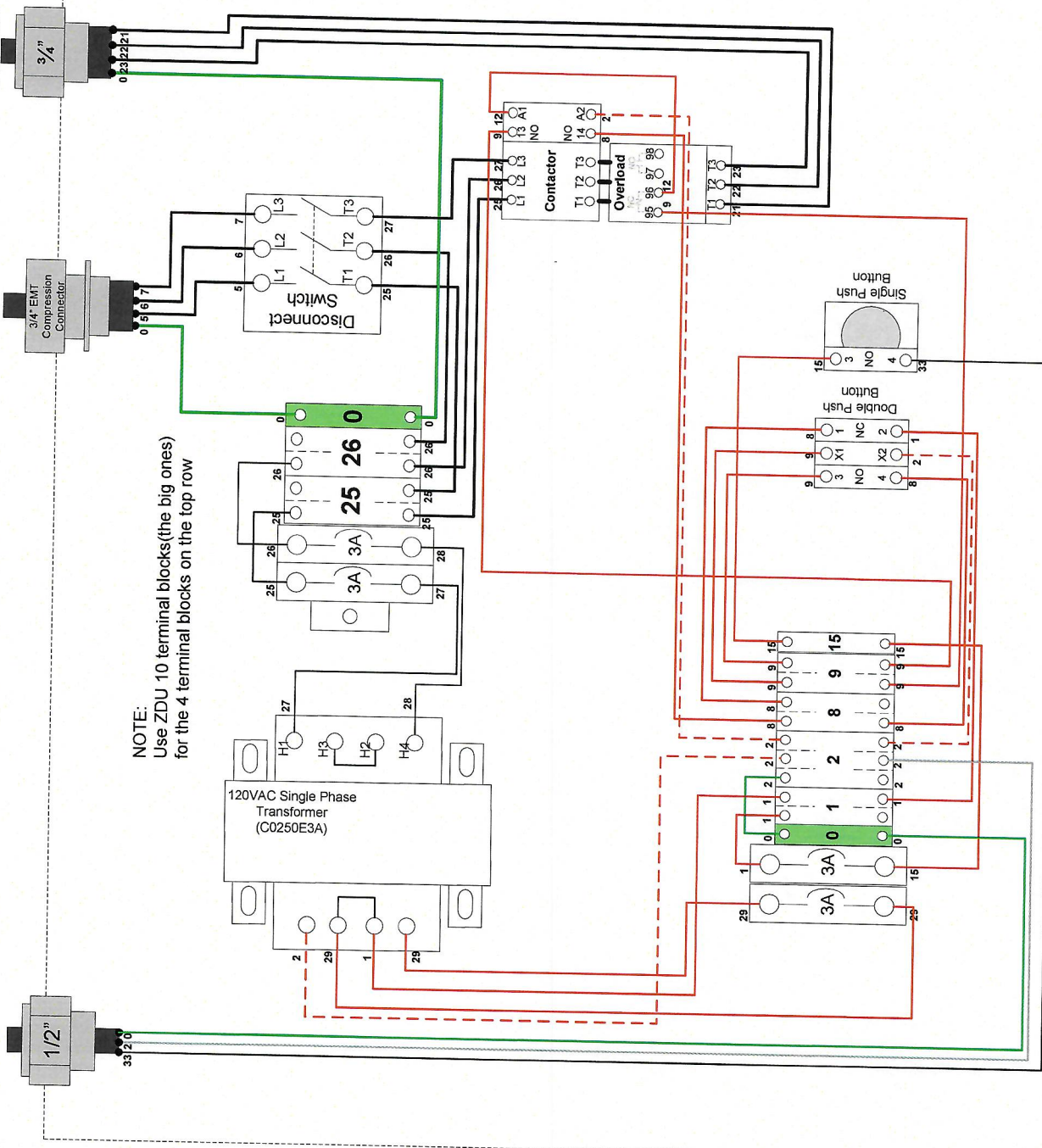
DRAWN DATE:
May 19th, 2021

PAGE:
5 OF 6

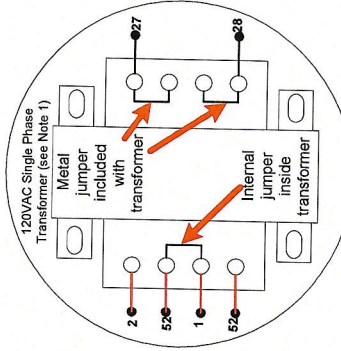
To LED Light

Incoming Power

To Motor

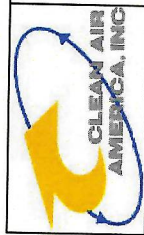


NOTE:
Use ZDU 10 terminal blocks (the big ones)
for the 4 terminal blocks on the top row



Detail F: Low Voltage Wiring

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DESCRIPTION:

FILENAME:

STATION:

SHEET SIZE:

SCALE:

DRAWN BY:

DRAWN DATE:

Kevin

July, 9th, 2020

PAGE:

2 OF 6

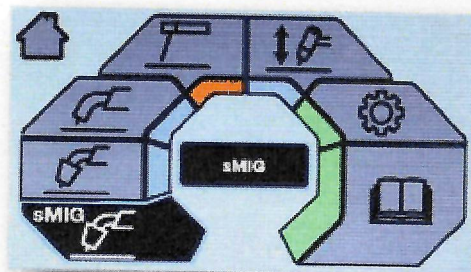
Rebel™ EMP 285ic

Industrial Multi-Process Packages



Industry

- Industrial General Fabrication
- Maintenance & Repair
- Industrial Production & Manufacturing
- Civil Construction
- Mechanical Contractors
- Agricultural Equipment
- Training Schools



Large 4.3 LCD – TFT Multilingual Display

Introducing Rebel EMP 285ic 1ph and 3ph systems – **The Most Powerful, Industrial Rebel yet.** Capable of welding up to 350A, this TRUE multi-process, multi-voltage industrial welding machine is able to run the full range of .035 in. (0.9 mm) and .045 in. (1.2 mm) wires. It's the most portable/mobile welder in its class and has the power and performance to crush even the most demanding industrial jobs.

Two models to choose from:

Rebel EMP 285ic 120V-230V 1ph

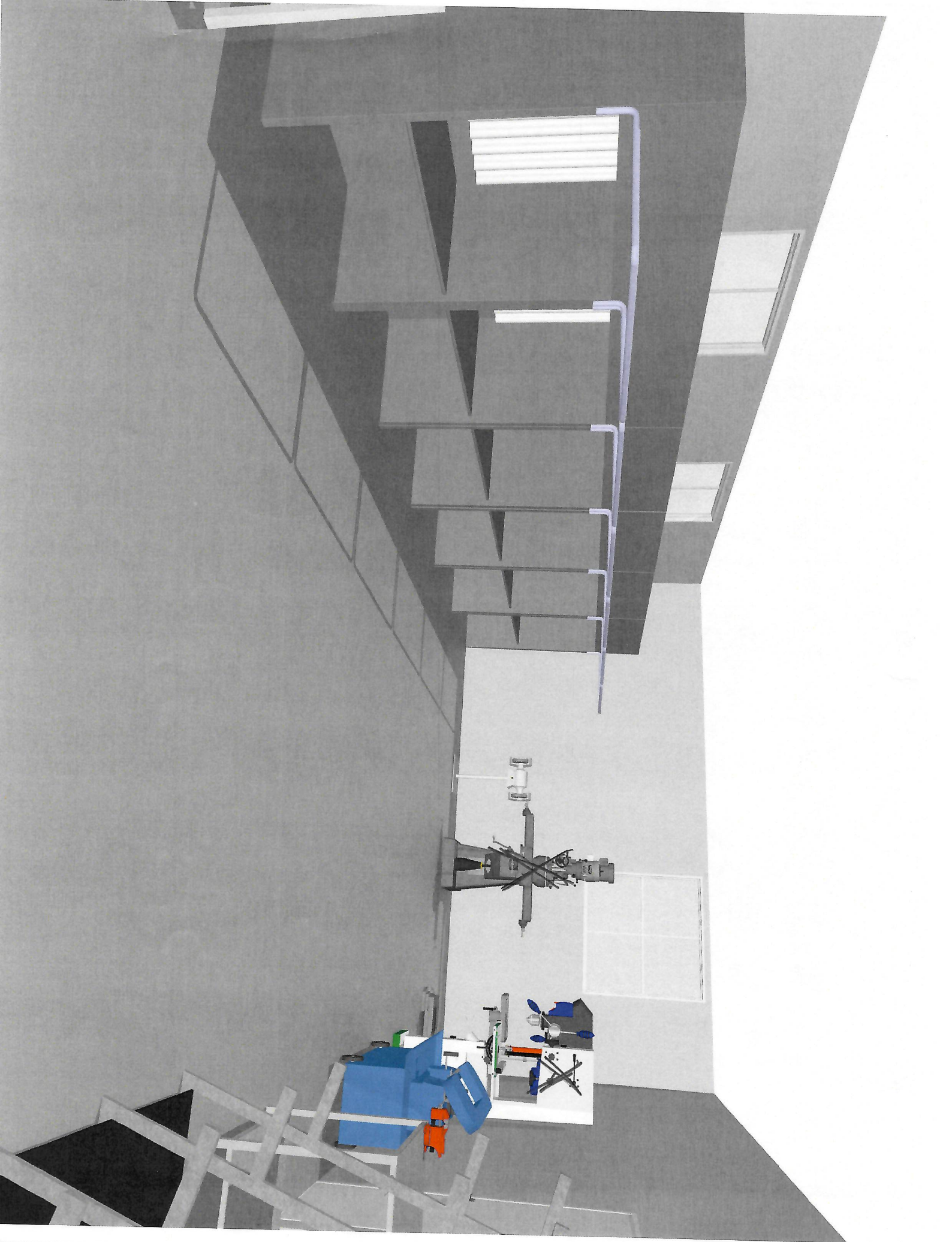
Rebel EMP 285ic 460V-575V 3ph

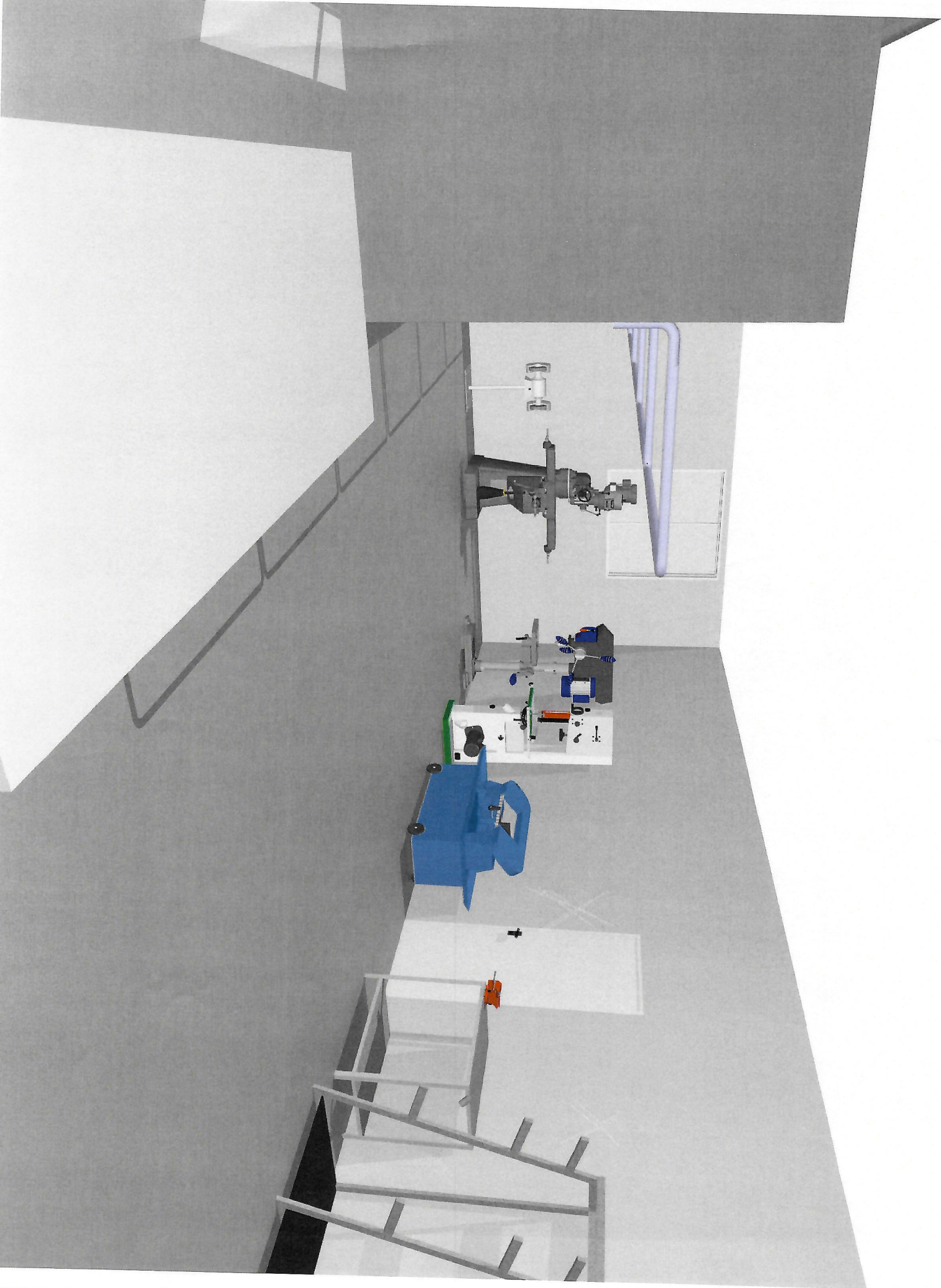
- True Multi-Process – excellent performance on MIG, Flux-Cored, TIG and STICK industrial applications.
- Power to Perform – 285A @ 40% (1ph model) and 285A @ 50% (3ph model) you'll have the confidence to run the full range of .045 in. (1.2 mm) wire – short arc and spray transfer with increased deposition rates and productivity on smaller diameter wires such as .030 in. (0.8 mm) and .035 in. (0.9 mm).
- With ESAB's new 4 Roll Drive System, weld up to .052 in. (1.4 mm) solid wire and up to 1/16 in. (1.6 mm) cored wire. Plus, rods up to 5/32 in. (4.0 mm) and TIG rods up to 3/16 in. (5.0 mm).
- Unmatched Portability/Mobility – weighing in at 70 lbs. with multi-voltage, multi-phase capable and 4 handle roll cage. Detach the Rebel EMP 285ic from its cart and tackle any job around the shop or out at the job site.
- TFT Multilingual Display – Packed full of features, Rebel EMP 285ic has 4 programmable memory locations for each process, multi-language selection, trim adjustment, inductance control, pre/post flow control and spot weld setting – giving you the ability to fine tune your welds for the most optimal performance.
- sMIG Technology – innovative "smart-MIG" feature that dynamically monitors the arc characteristics ultimately adapting to your technique resulting in a smooth, stable arc. Set wire diameter and plate thickness and you are ready to weld.

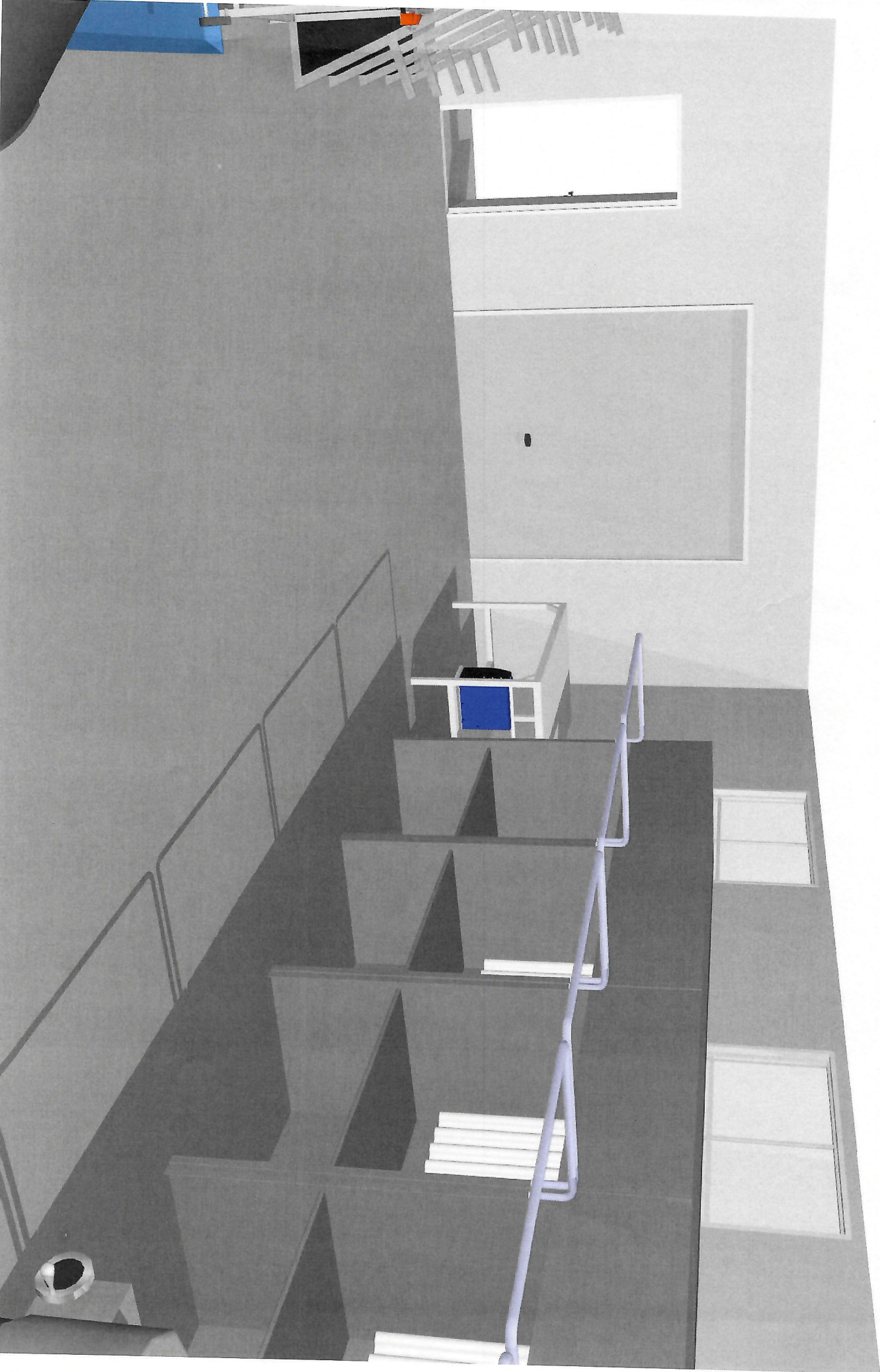
Visit esab.com for more information.

When choosing a top-performing welding machine you need top-performing ESAB Filler Metals. Learn more at esab.com/fillermetals today.

400 Electrode Capacity, 100 to 550°F, Bench Welding Rod Oven-AC Input
Current, 120/240 Volt, 1,000 Watt, 23 Inch Wide x 30 Inch Deep x 23 Inch
High
MSC# 62291554Mfr# 1200200







NO.	REVISIONS DESCRIPTION	DATE
1	ADDENDUM	01.30.2025

**ELECTRICAL
NEW WORK PLAN**

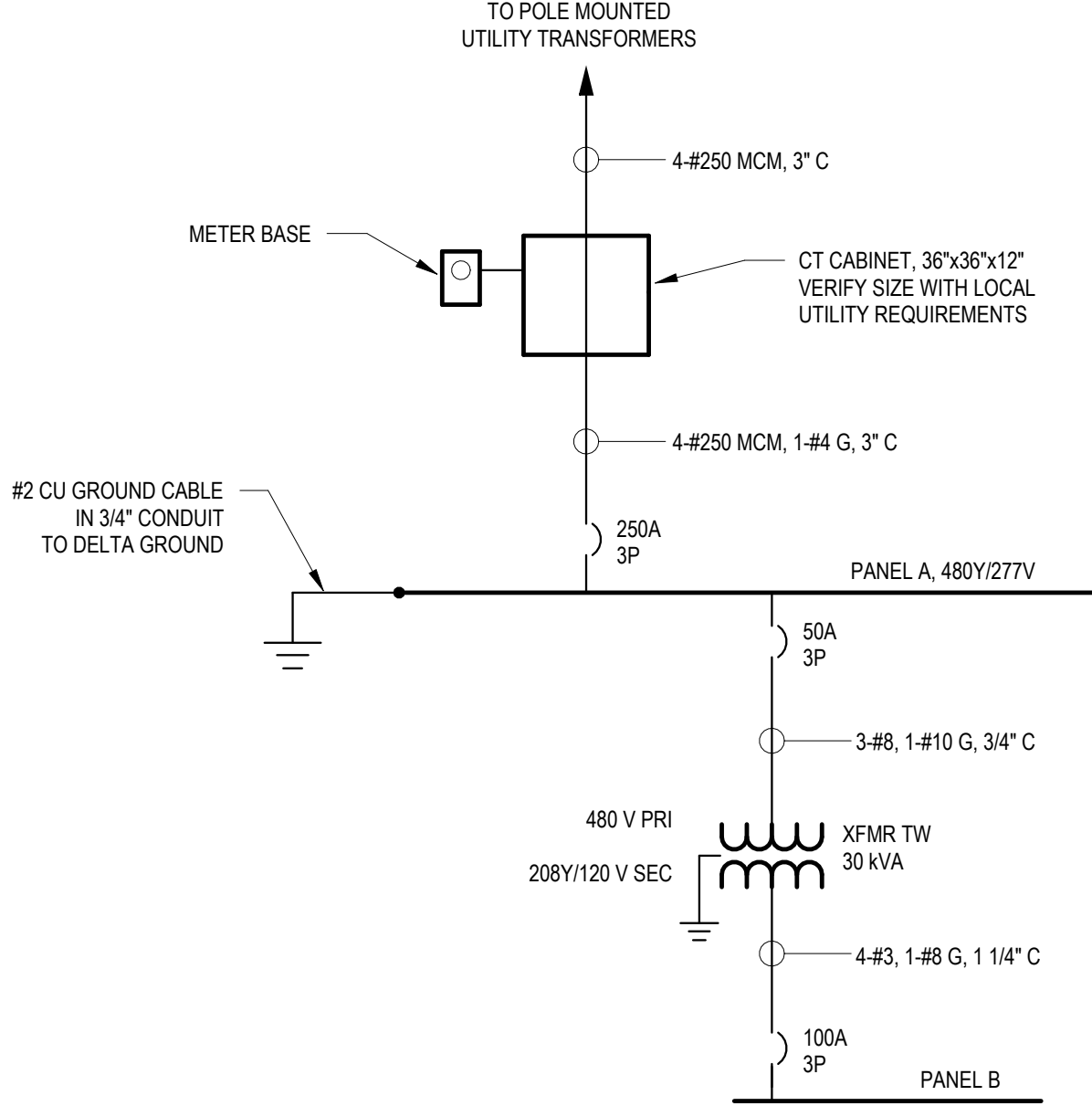
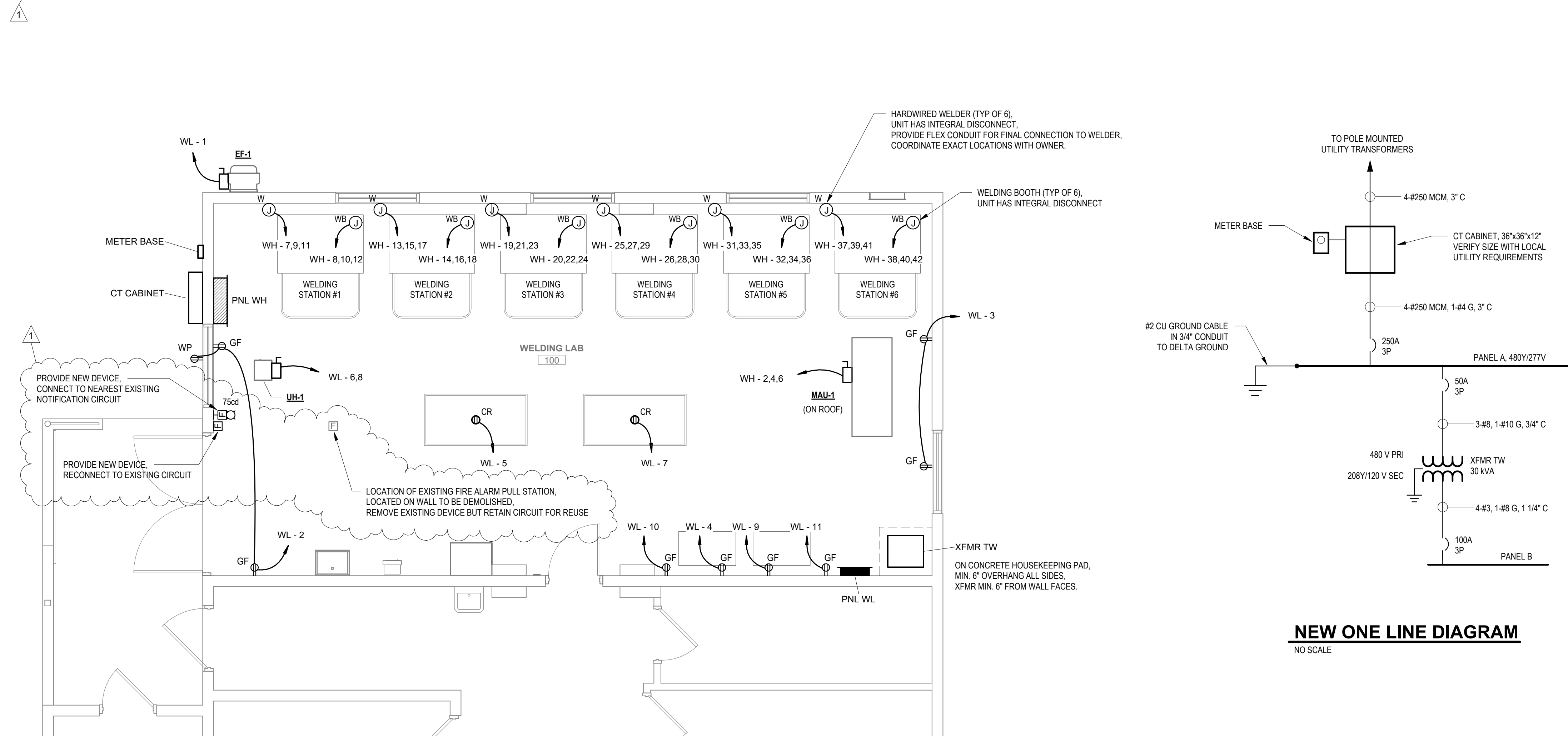
DRAWN JHO	CHECKED TFK
	DATE 01.13.2025
	COMM. NO. 24040

ELECTRICAL LEGEND			
	PANELBOARD, 208Y/120-VOLT, 3-PHASE, 4-WIRE, MOUNTING HEIGHT = 6'-0" TO TOP. SEE PANELBOARD SCHEDULES.		4" LINEAR STRIP UTILITY LIGHTING FIXTURE.
	PANELBOARD, 480Y/277-VOLT, 3-PHASE, 4-WIRE, MOUNTING HEIGHT = 6'-0" TO TOP. SEE PANELBOARD SCHEDULES.		EMERGENCY LIGHTS WITH BATTERY BACKUP, SURFACE WALL MOUNTED.
	DISCONNECT SWITCH, EXTERNALLY OPERATED, 3-POLE UNLESS OTHERWISE NOTED. 250V RATED FOR 120-240 VOLT CIRCUITS, 600V RATED FOR 277-480 VOLT CIRCUITS. SWITCHES TO BE NON-FUSED UNLESS INDICATED OTHERWISE OR REQUIRED BY CODE. NOTATION WHEN USED INDICATES NUMBER OF POLES AND FUSE AMPERAGE CAPACITY. COORDINATE WITH MECHANICAL CONTRACTOR FOR DISCONNECTS TO BE PROVIDED WITH EQUIPMENT.		EXIT LIGHTING FIXTURE WITH BATTERY BACKUP AND EMERGENCY LIGHT COMBO, SURFACE WALL MOUNTED, DIRECTIONAL ARROWS AS INDICATED, TYPE 'X'.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD. NOTATION INDICATES PANELBOARD & BRANCH CIRCUIT CONNECTION.		EMERGENCY REMOTEHEAD, LOCATED BY EXTERIOR DOORS. CONNECT TO NEAREST INTERIOR EXIT SIGN.
	JUNCTION BOX. SEE NOTATION AND PANEL SCHEDULE FOR CONNECTED EQUIPMENT.		LIGHTING FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	DUPLEX WALL RECEPTACLE, MOUNTING HEIGHT = 1'-6", 'GF' SUBSCRIPT INDICATES GROUND FAULT (GFCI), 'WP' INDICATES GFCI WEATHERPROOF WITH IN-USE WEATHER RESISTANT COVER, ALL RECEPTACLES ARE TO BE TAMPER-RESISTANT.		THREE WAY SWITCH, MOUNTING HEIGHT = 4'-0" TO TOP.
	HEAVY DUTY, RETRACTABLE CORD REEL RECEPTACLE, MOUNTED TO CEILING ABOVE 20' MINIMUM CORD LENGTH.		FIRE ALARM SYSTEM ALARM HORN, WITH VISUAL ALARM, WALL MOUNTED. MOUNTING HEIGHT = 7'-6" TO TOP.
	FIRE ALARM SYSTEM MANUAL PULL STATION. MOUNTING HEIGHT = 48" TO TOP.	LEGEND NOTES: 1. ALL MOUNTING HEIGHTS OF DEVICES ARE TO CENTER OF DEVICE UNLESS INDICATED OTHERWISE. ALL MOUNTING HEIGHTS OF LIGHTING FIXTURES ARE TO BOTTOM OF FIXTURE AND AWAY FROM FINISHED FLOOR. 2. 'NL' SUBSCRIPT BY LIGHTING FIXTURE INDICATES NIGHTLIGHT TO REMAIN UNSWITCHED.	

- GENERAL NOTES**
- UNLESS INDICATED OTHERWISE, SIZE CONDUITS IN ACCORDANCE WITH NFPA 70.
 - MOUNT OUTLET BOXES SO THAT NONE OCCUR BACK TO BACK IN WALLS.
 - MECHANICAL EQUIPMENT IS SHOWN IN APPROXIMATE LOCATIONS. FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT AND PIPING, SEE MECHANICAL DRAWINGS.
 - REVISE PANELBOARD SCHEDULES ON AS-BUILT-DRAWING AND PANEL DIRECTORIES TO REFLECT FINAL INSTALLATION CONDITIONS. PANEL DIRECTORIES ARE TO BE TYPED, NOT HANDWRITTEN.
 - FOR ALL LABELING AND PANEL DIRECTORIES REQUIRING LOCATIONS, USE FINAL ROOM NAMES AND NUMBERS, NOT NAMES AND NUMBERS SHOWN ON DRAWINGS. COORDINATE WITH OWNER, G.C., AND ARCHITECT FOR FINAL ROOM NAMES AND NUMBERS.
 - FOR 120 VOLT, 20 AMP BRANCH CIRCUITS: USE 12 AWG UP TO 60 FEET, 10 AWG FOR 61-95 FEET, AND 8 AWG FOR CIRCUITS LONGER THAN 96 FEET. CONDUCTORS SHALL BE SAME SIZE FOR ENTIRE LENGTH OF RUN.
 - FOR 277 VOLT, 20 AMP BRANCH CIRCUITS: USE 12 AWG UP TO 140 FEET, 10 AWG FOR 141-220 FEET, AND 8 AWG FOR CIRCUITS LONGER THAN 220 FEET. CONDUCTORS SHALL BE SAME SIZE FOR ENTIRE LENGTH OF RUN.
 - SEAL PENETRATIONS THROUGH FLOORS OR FIRE WALLS TO MAINTAIN THE INTEGRITY OF THE FIRE AND ACOUSTIC RATINGS OF THE WALLS AND FLOORS. ELECTRICAL CONTRACTOR TO PROVIDE ALL MATERIALS REQUIRED TO SEAL FIRE AND SMOKE WALL PENETRATIONS PER U.L. STANDARDS INDICATED IN FIRESTOPPING SPECIFICATIONS.
 - ALL LOW VOLTAGE CABLING ABOVE CEILING AND ALL CABLING UTILIZING CABLE TRAY MUST BE PROVIDED WITH A PLENUM RATED OUTER JACKET AND CABLE APPROVED FOR USE IN PLENUM SPACE.
 - LOCATE ALL RACEWAYS TO AVOID INTERFERENCE WITH DUCTS, PIPES, MECHANICAL EQUIPMENT, WITH REMOVAL OF CEILING TILES, OR WITH ACCESS TO EQUIPMENT WHICH REQUIRES PERIODIC ADJUSTMENT OR MAINTENANCE.
 - PROVIDE NAMEPLATES ON THE EXTERIOR OF ALL ELECTRICAL PANELS, DISCONNECTS, AND ENCLOSURES WITH THE DEVICE ID, RATING, POWER SOURCE, INSTALLATION DATE, AND BY WHICH SWITCH OR STARTER.
 - LIGHT FIXTURE TYPE IS SHOWN ONLY ONCE AS TYPICAL FOR THE ENTIRE ROOM UNLESS SPECIFICALLY INDICATED OTHERWISE.
 - NO SHARING OF NEUTRAL CONDUCTORS.
 - COORDINATE WITH THE MECHANICAL CONTRACTOR TO ENSURE ALL WORKING CLEARANCE AND DEDICATED WORKING SPACE OF PANELBOARDS.
 - ALL UNDERGROUND CONDUITS NEED PULL CORDS / ROPES SUITABLE FOR WIRE TO BE INSTALLED.
 - PROVIDE A LABEL ON BACK SIDE OF ALL RECEPTACLE AND SWITCH FACE PLATES INDICATING WHICH PANELBOARD AND CIRCUIT FEEDS THAT DEVICE.
 - ALL LIGHT FIXTURE MANUFACTURERS ARE LISTED TO ESTABLISH STANDARD REQUIREMENTS FOR PERFORMANCE, MATERIAL AND APPEARANCE. PROVIDE SPECIFIED FIXTURE OR EQUAL. COORDINATE ALL FIXTURE FINISHES WITH ARCHITECT.
 - PROVIDE PLASTIC BUSHING ON THE END OF ALL CONDUIT.
 - COORDINATE WITH UTILITY FOR MAXIMUM AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE. PROVIDE RATING TO ENGINEER FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT. FIELD MARK SERVICE ENTRANCE EQUIPMENT WITH RATING RECEIVED FROM UTILITY AND DATE CALCULATED.
 - COORDINATE WORK SCHEDULE WITH OWNER FOR WORK TO BE COMPLETED THROUGH EXISTING OCCUPIED BUILDING SPACES.
 - COORDINATE WITH MECHANICAL CONTRACTOR TO PROVIDE POWER TO MOTORIZED DAMPERS AND VALVES WHERE REQUIRED. USE #12 WIRE FROM SPARE 20 AMP BREAKER IN NEAREST NORMAL POWER ELECTRICAL PANEL OF SAME VOLTAGE REQUIRED BY UNIT.
 - ALL 15 AMP AND 20 AMP, 120-250V NON-LOCKING TYPE RECEPTACLES SHALL BE TAMPER-RESISTANT LISTED UNLESS MEETING EXCEPTIONS IN NEC 406.
 - ALL ELECTRICAL AND TECHNOLOGY WIRING SHALL BE INSTALLED IN CONDUIT FOR ENTIRE LENGTH OF WIRING.

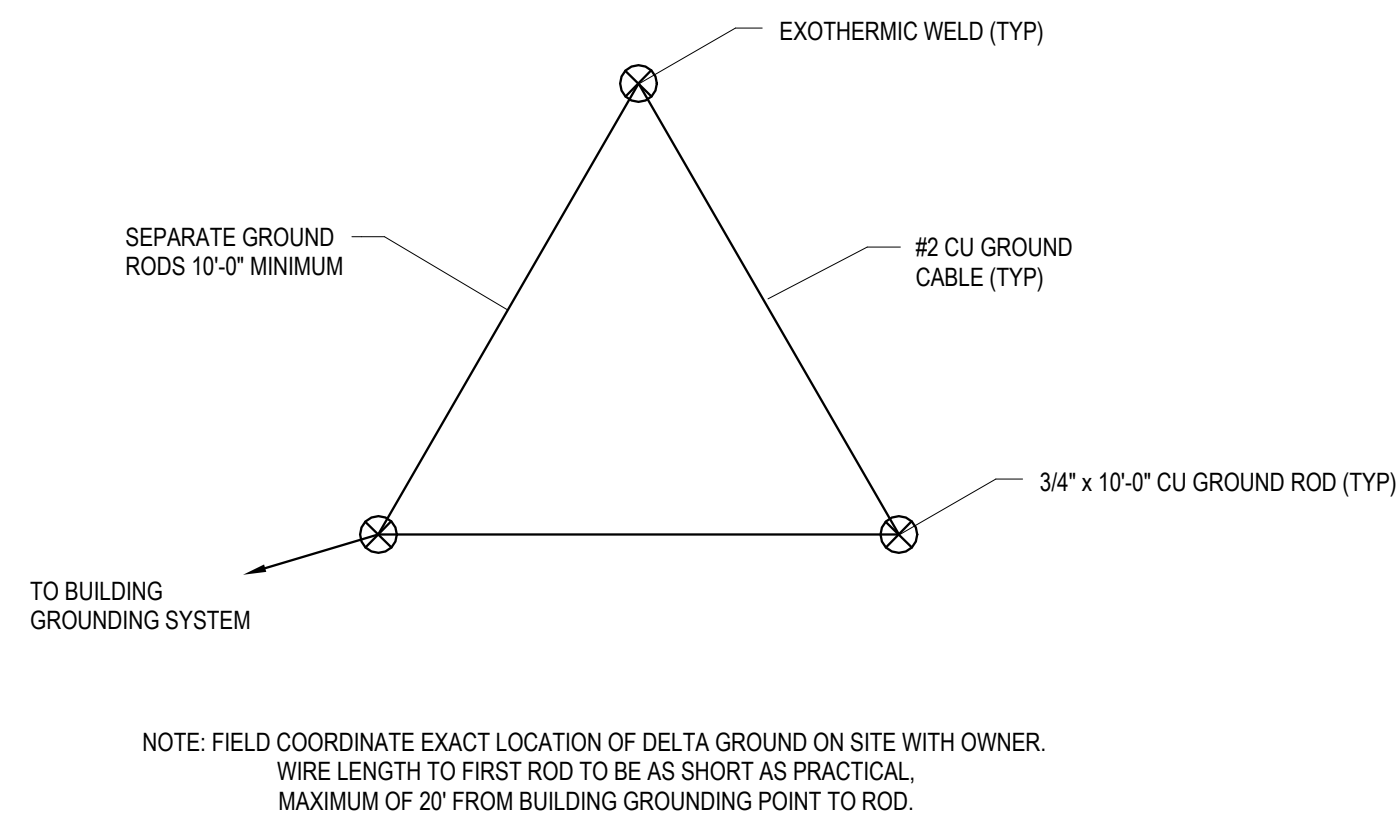
CODES & STANDARDS			
WEST VIRGINIA ELECTRICAL CODE: ENERGY CODE: FIRE ALARM CODE:	NFPA 70- AMENDED ASHRAE 90.1 NFPA 72	2020 2013 2016	

ELECTRICAL ABBREVIATIONS							
AFF C CB ELEC EMG	ABOVE FINISHED FLOOR CONDUIT CIRCUIT BREAKER ELECTRICAL EMERGENCY	EQUIP G GF / GF JB LTG	EQUIPMENT GROUND GROUND FAULT INTERRUPTER JUNCTION BOX LIGHTING	MECH MCB M.H. M.L.O NF	MECHANICAL MAIN CIRCUIT BREAKER MOUNTING HEIGHT MAIN LUGS ONLY NON-FUSED	NL OS PNL RCPT SCH	NIGHTLIGHT OCCUPANCY SENSOR PANEL RECEPTACLE SCHEDULE
TYP UNO WP XFMR	TYPICAL UNLESS NOTED OTHERWISE WEATHERPROOF TRANSFORMER						



NEW PANEL:		WH		VOLTS:		480/277 Wye		BUS RATING:		250 A		MAIN RATING:		250 A		KAIC RATING:		35		ALL BUS BARS ARE TO BE COPPER	
LOCATION:		WELDING LAB		PHASE:		3		BUS RATING:		250 A		MAIN RATING:		250 A		KAIC RATING:		35			
SUPPLY FROM:		UTILITY		WIRE:		4															
PNL TYPE:		SURFACE																			
CKT	DESCRIPTION		*	TRIP	POLES	A		B		C		POLES	TRIP	*	DESCRIPTION		CKT				
1						4.4	7.2										2				
3	PANEL WL - THRU XFMR TW			50 A	3			4.2	7.2			3	35 A		MAU-1		4				
5																	6				
7											5	7.2					8				
9	WELDER #1			20 A	3	4	1.3		4	1.3		3	15 A		WELDING BOOTH #1		10				
11											4	1.3					12				
13						4	1.3										14				
15	WELDER #2			20 A	3			4	1.3			3	15 A		WELDING BOOTH #2		16				
17											4	1.3					18				
19						4	1.3										20				
21	WELDER #3			20 A	3			4	1.3			3	15 A		WELDING BOOTH #3		22				
23											4	1.3					24				
25						4	1.3										26				
27	WELDER #4			20 A	3			4	1.3			3	15 A		WELDING BOOTH #4		28				
29											4	1.3					30				
31						4	1.3										32				
33	WELDER #5			20 A	3			4	1.3			3	15 A		WELDING BOOTH #5		34				
35											4	1.3					36				
37						4	1.3										38				
39	WELDER #6			20 A	3			4	1.3			3	15 A		WELDING BOOTH #6		40				
41											4	1.3					42				
43						0	0										44				
45	SPARE			20 A	3			0	0			3	20 A		SPARE		46				
47											0	0					48				
49						0	0										50				
51	SPARE			20 A	3			0	0			3	20 A		SPARE		52				
53											0	0					54				
				TOTAL LOAD:		43561 VA		43401 VA		44175 VA											
				TOTAL AMPS:		157 A		157 A		160 A											
NOTES:																					

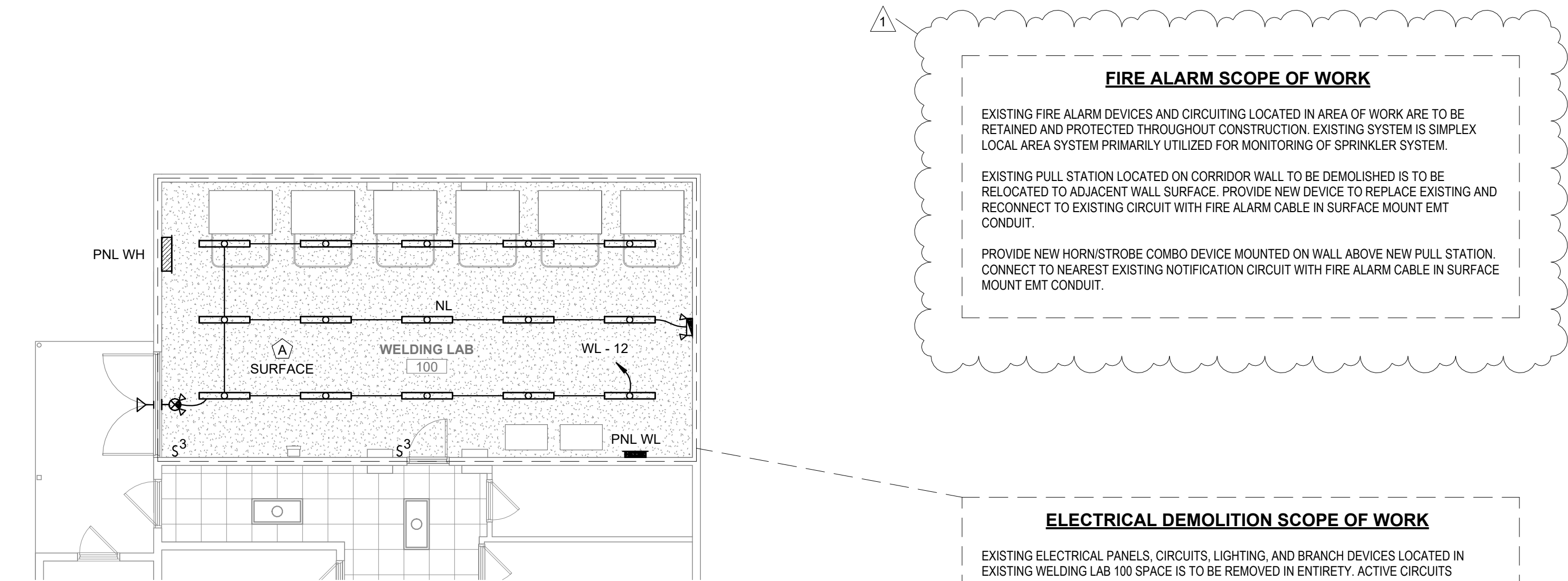
NEW PANEL:		WL		VOLTS: 120/208 Wye				BUS RATING: 100A				ALL BUS BARS ARE TO BE COPPER			
LOCATION:		WELDING LAB		PHASE: 3				MAIN RATING: 100A							
SUPPLY FROM:		PANEL WH- THRU XFMR TW		WIRE: 4				KAIC RATING: 10							
PNL TYPE:		SURFACE													
CKT	DESCRIPTION	-	TRIP	POLES	A	B	C	POLES	TRIP	-	DESCRIPTION	CKT			
1	EF-1		20 A	1	0.4	0.5			1	20 A	RCPT LEFT WALL, EXT	2			
3	RCPT RIGHT WALL		20 A	1			0.4	1.4		1	20 A	RCPT DOWNDRAFT TABLE	4		
5	RCPT CORD REEL		20 A	1				1	2.5		2	30 A	UH-1	6	
7	RCPT CORD REEL		20 A	1	1	2.5								8	
9	RCPT DOWNDRAFT TABLE		20 A	1			1.4	1		1	20 A	RCPT GRINDER		10	
11	RCPT GRINDER		20 A	1				1	0.5	1	20 A	LTG WELDING LAB		12	
13	SPARE		20 A	1	0	0				1	20 A	SPARE		14	
15	SPARE		20 A	1			0	0			1	20 A	SPARE	16	
17	SPARE		20 A	1					0	0	1	20 A	SPARE	18	
19	SPARE		20 A	1		0	0				1	20 A	SPARE	20	
21	SPARE		20 A	1			0	0			1	20 A	SPARE	22	
23	SPARE		20 A	1					0	0	1	20 A	SPARE	24	
TOTAL LOAD:					4400 VA		4240 VA		5014 VA						
TOTAL AMPS:					37 A		35 A		42 A						
NOTES:															



LIGHTING FIXTURE SCHEDULE							
ID	MANUFACTURER	MODEL	TYPE	LUMENS	WATTS	VOLTS	DESCRIPTION
A	LITHONIA	ZL1N	LED	5000	34	120	4" GENERAL PURPOSE INDUSTRIAL STRIP LIGHT WITH LENS.
W	LITHONIA	ELV2	LED	N/A	4	120	EMERGENCY BATTERY WALL PACK.
X	LITHONIA	ELH2M	LED	N/A	3	120	EXIT SIGN WITH EMERGENCY LIGHT COMBINATION AND BATTERY BACKUP. WHITE HOUSE, RED LETTERS.
X-R	LITHONIA	ELA WP	LED	N/A	1	LV	WEATHER-PROOF REMOTE HEAD AT EXTERIOR DOORS, CONNECTED TO INTERIOR EXIT SIGN.

POWER NEW WORK PLAN - 1ST FLOOR

1/4" = 1'-0"



LIGHTING NEW WORK PLAN - 1ST FLOOR

1/8" = 1'-0"