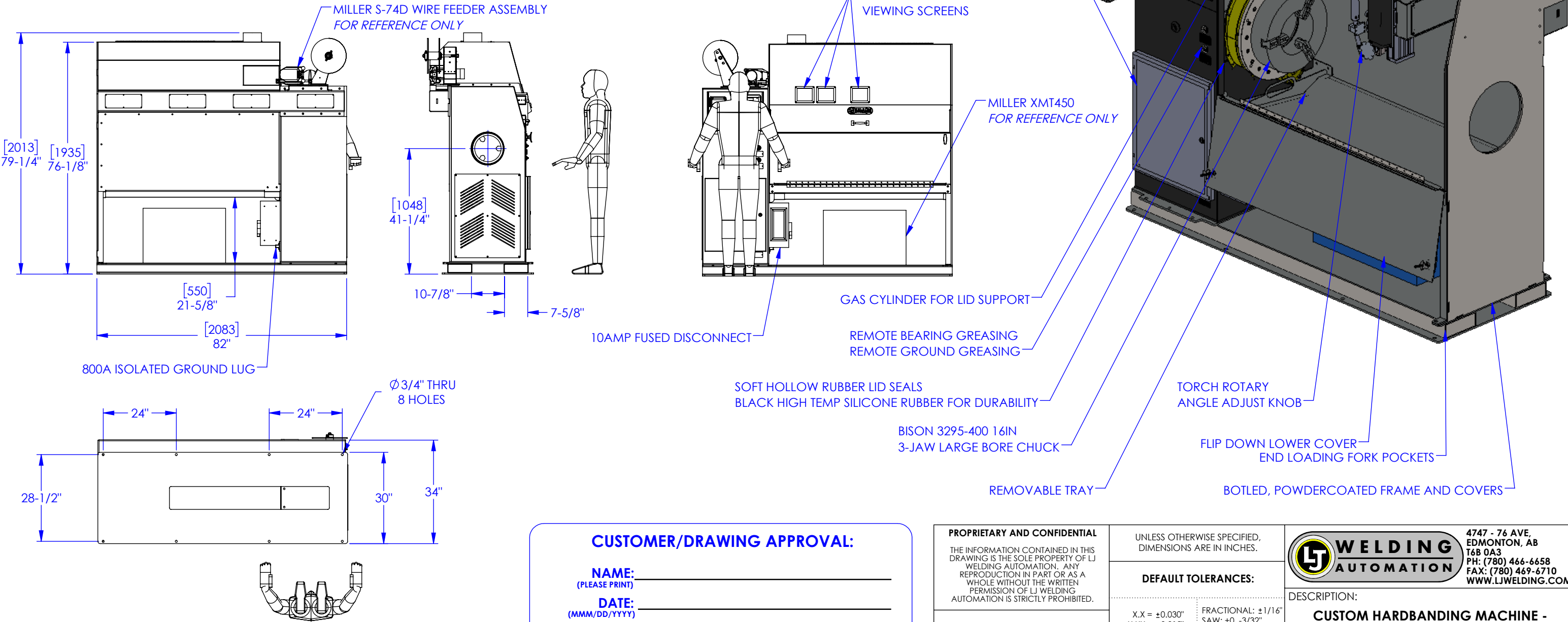


C1047 - HARDBANDING MACHINE

BASIC SPECIFICATIONS:

- MAX LOAD: 3200LBS/1450KG
- 8-5/8"/220mm THRU BORE, BISON 3 JAW 16" 3295-400 LARGE BORE SCROLL CHUCK
- 3/8" to 7"/10-180mm DIAMETER CLAMPING RANGE (THRU BORE), 15-3/4"/400mm MAX GRIPPING OD, 16" MAX WELDING OD
- CUSTOM CONTROL SYSTEM WITH 4 AXIS PRECISION CONTROL AND WELDING FUNCTION
 - X-AXIS - SERVO POWERED 31.5"/800mm TRAVEL BALLSCREW CROSS SLIDE - FULL OSCILLATING AND POSITONAL CAPABILITIES
 - Y AXIS - STANDARD LJ XS6 HORIZONTAL CROSS SLIDE 6"/150mm TRAVEL, POSITION ADJUST CONTROL
 - Z AXIS - TORCH HEIGHT CONTROL VERTICAL CROSS SLIDE 7-7/8"/200mm TRAVEL, POSITION ADJUST CONTROL
 - ROTATION AXIS - 0.05 - 2.6RPM* ENCODER FEEDBACK PRECISION GEARMOTOR, FULL POSITIONAL CAPABILITIES
 - MANUAL ROTARY TORCH ANGLE ADJUST, WORM GEAR, 62:1, ~5DEG PER ROTATION, +/- 45DEG w/ANGLE INDICATOR
- 800AMP ISOLATED AND INTEGRATED ROTARY GROUND, REMOTE GREASING
- WELDING SYSTEM NOT INCLUDED AND SOLD SEPARATELY**
- INPUT POWER REQUIREMENTS: 200V TO 240V, 3-PH, 10A (HARD BANDING MACHINE ONLY, EXCLUDES WELDING EQUIPMENT)
- APPROX WEIGHT***: 3300LBS/1500KG

*SPEED RANGE SURFACE SPEED EXAMPLES 2" OD: 0.5 - 18.6in/min 6" OD: 1.4 - 56in/min 12" OD: 2.4 - 112 IN/MIN
** WELDING SYSTEM SHOWN IS MILLER XMT450, S-74D WIRE FEEDER, TREGAKISS TOUGHGUN 600A AUTOMATIC AIR COOLED TORCH
*** WEIGHT INCLUDES WELDING GEAR AS SHOWN





CUSTOMER/DRAWING APPROVAL:

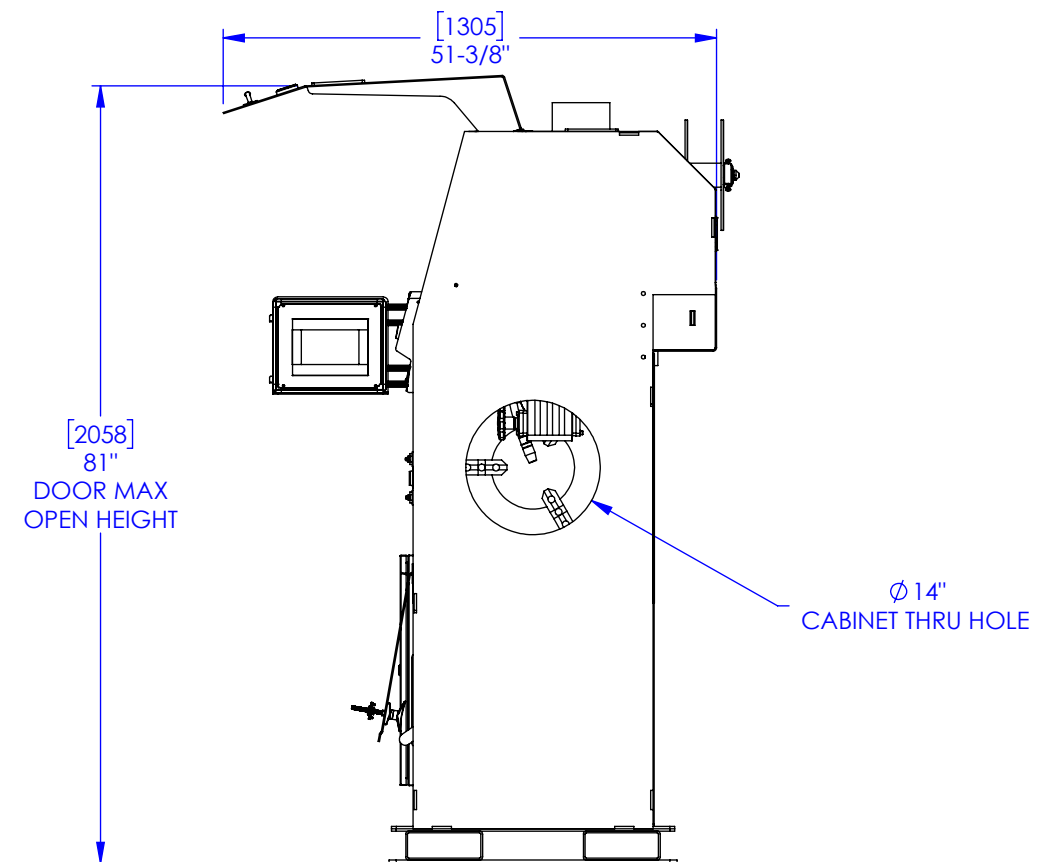
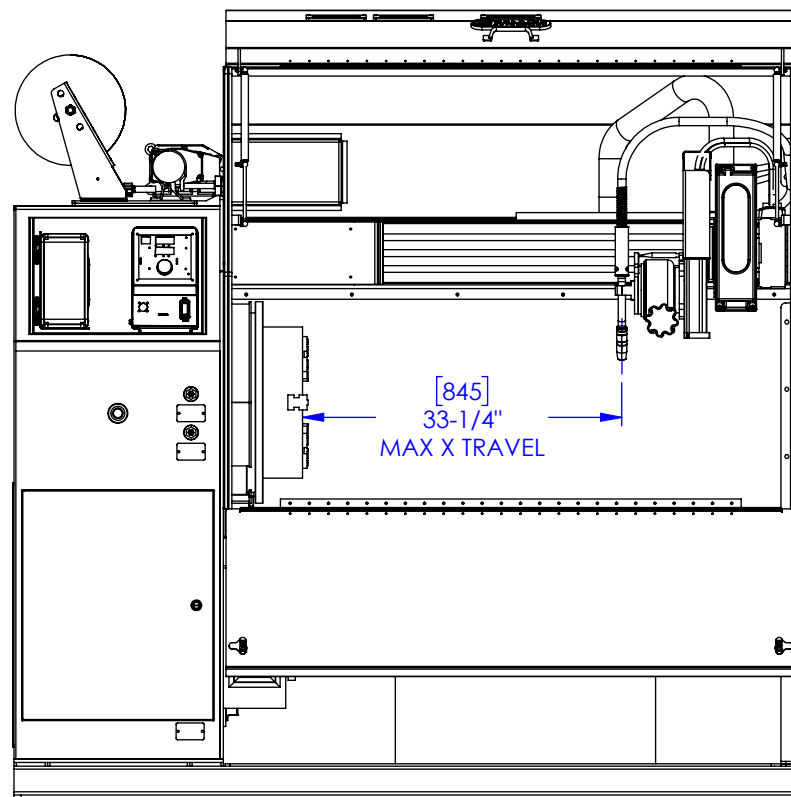
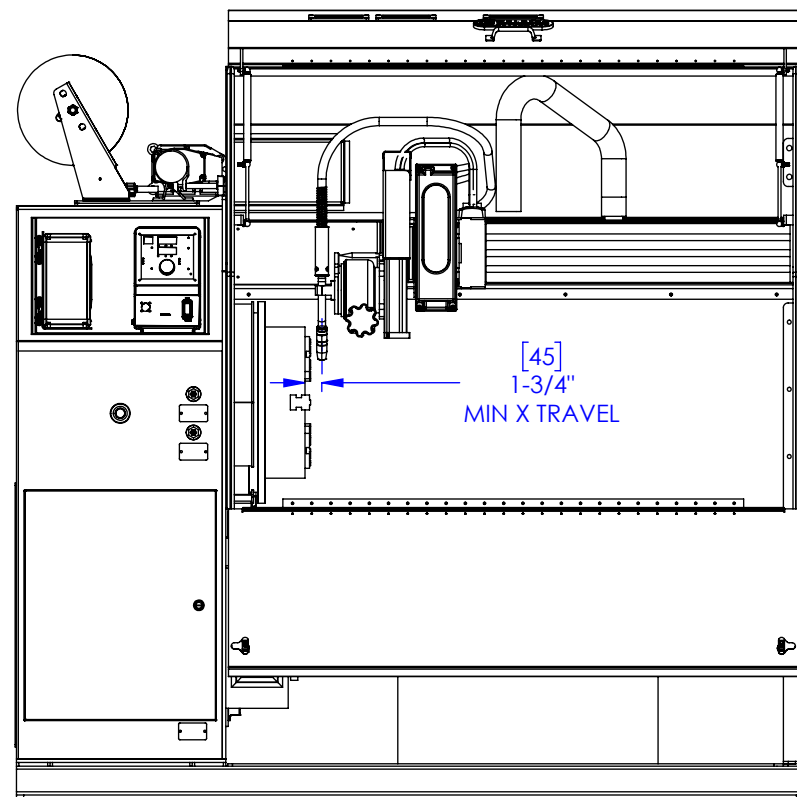
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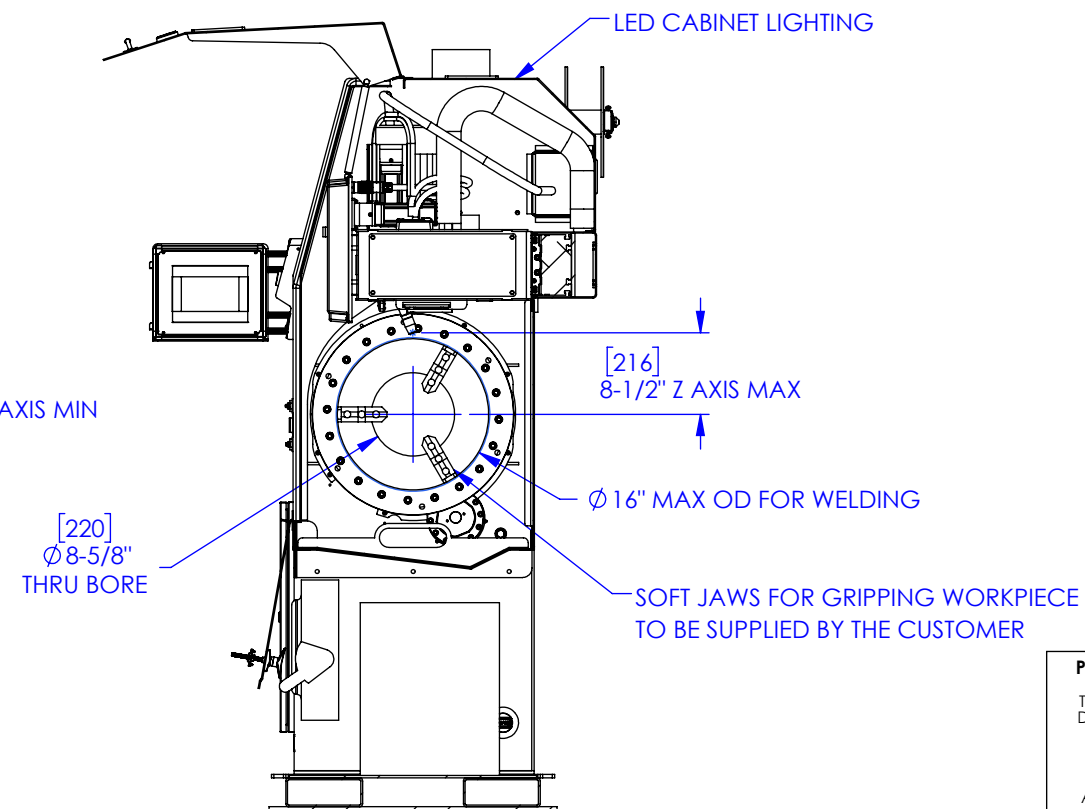
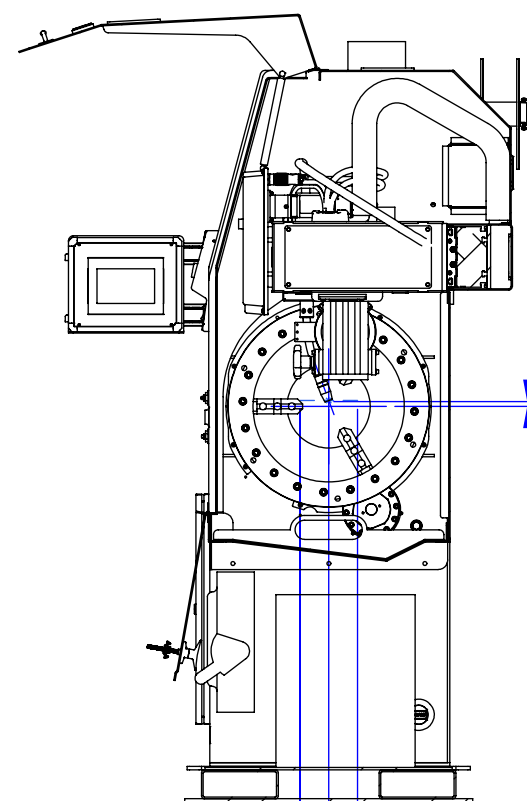
ON BEHALF OF: _____
(COMPANY)

SIGNATURE: _____

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	DEFAULT TOLERANCES:				DESCRIPTION: <div>CUSTOM HARDBANDING MACHINE - C1047</div>	
	<div>X.X = ±0.030"</div> <div>X.XX = ±0.015"</div> <div>X.XXX = ±0.005"</div>	<div>FRACTIONAL: ±1/16"</div> <div>SAW: +0, -3/32"</div> <div>HOLES: +1/64" - 0"</div> <div>ANGULAR: ±1/2°</div>				
<div>APEGA PERMIT NUMBER: P9801</div>	DATE DRAWN: 27-FEB-2018			FILE NO. <div>C1047-100</div>	REV #: <div>0</div>	
	DWG BY: <div>TWR</div>	CHK'D BY: <div>TWR</div>	APPROVED BY: <div>TWR</div>	SCALE: 1:32 <div>DO NOT SCALE FROM DWG</div>	WEIGHT: LBS	SHEET 1 OF 3



X AXIS TRAVEL ARRANGEMENT
TORCH LENGTH TRAVEL CONTROL
OSCILLATING, HOMING, SEQUENCING AND REPEAT POSITION FUNCTIONS



CUSTOMER/DRAWING APPROVAL:

NAME: _____
(PLEASE PRINT)

DATE: _____
(MMM/DD/YYYY)

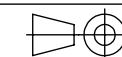
ON BEHALF OF: _____
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APEGA PERMIT
NUMBER: P9801



UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

DEFAULT TOLERANCES:

X.X = $\pm 0.030"$
X.XX = $\pm 0.015"$
X.XXX = $\pm 0.005"$

FRACTIONAL: $\pm 1/16"$
SAW: $+0, -3/32"$
HOLES: $+1/64" - 0"$
ANGULAR: $\pm 1/2^\circ$

DATE DRAWN: 27-FEB-2018

DWG BY:
TWR

CHK'D BY:
TWR

APPROVED BY:
TWR



4747 - 76 AVE.
EDMONTON, AB
T6B 0A3
PH: (780) 466-6658
FAX: (780) 469-6710
WWW.LJWELDING.COM

DESCRIPTION:

CUSTOM HARBANDING MACHINE -
C1047

FILE NO.

C1047-100

REV #:

0

SCALE: 1:20
DO NOT SCALE FROM DWG

WEIGHT: LBS

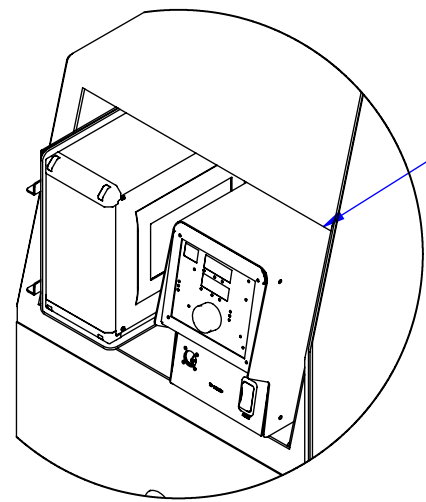
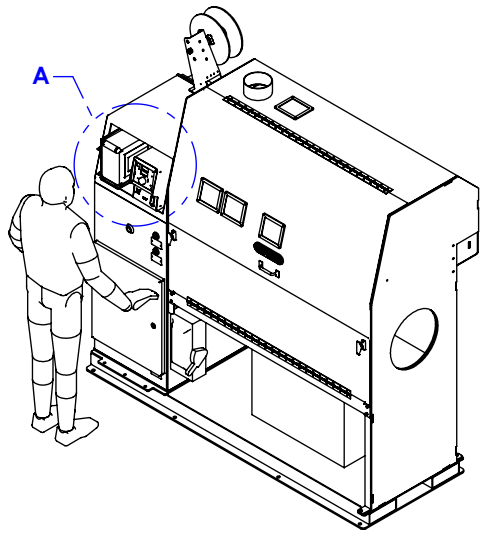
SHEET 2 OF 3

Z AND Y AXIS TRAVEL ARRANGEMENT
MANUAL TORCH POSITION CONTROL

C1047 - HARDBANDING MACHINE

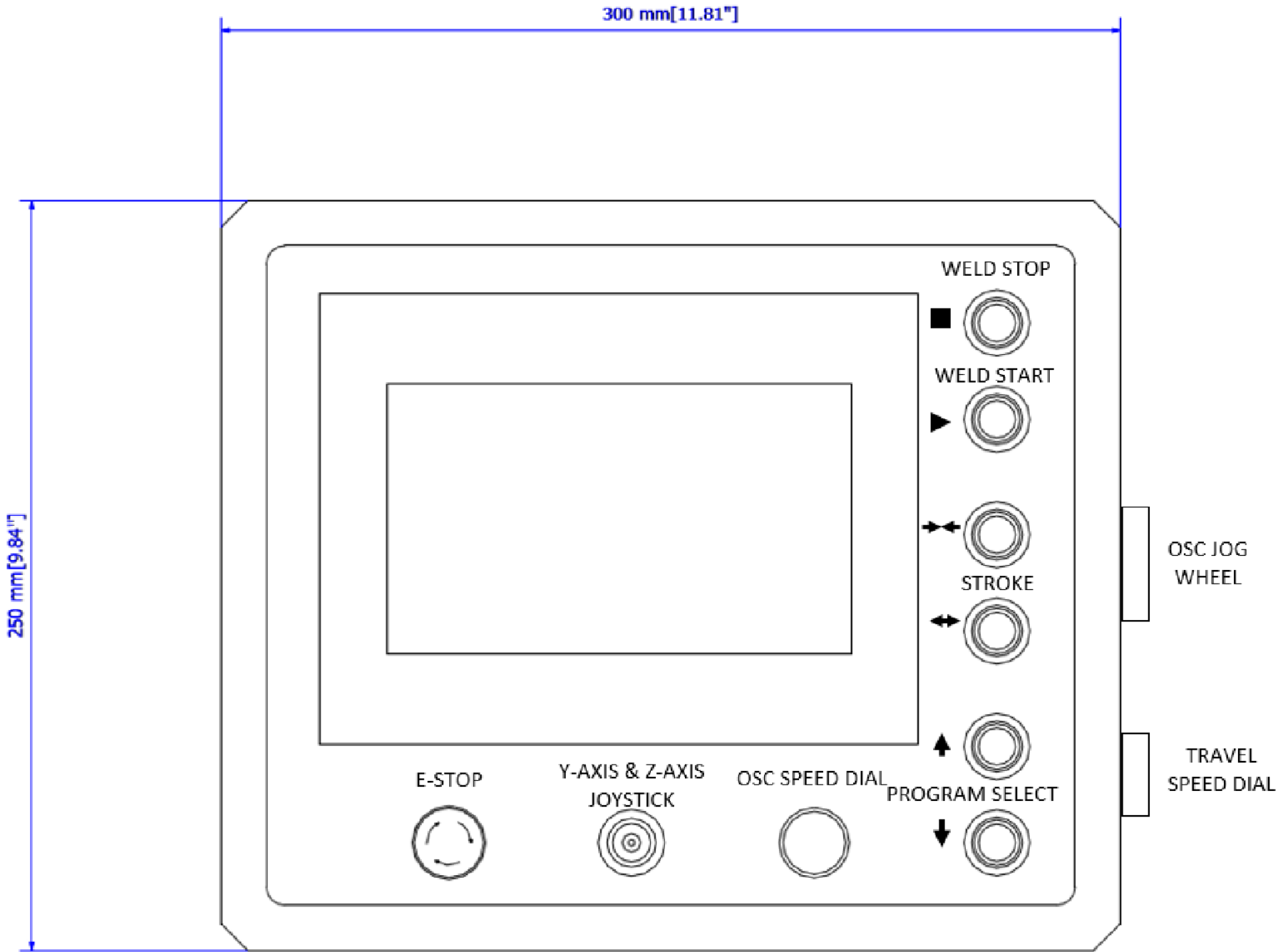
CONTROL BOX:

- 7 IN HMI TOUCH SCREEN
- TOUCH SCREEN CONTROLS, SETUP SCREENS, OPERATE SCREEN, DIAGNOSTICS
- ESTOP BUTTON
- TACTILE JOYSTICK FOR Y-AXIS AND J-AXIS POSITIONING
- TACTILE OSCILLATOR SPEED AND STROKE SETTINGS
- X-AXIS JOG WHEEL



DETAIL A
SCALE 1 : 10

RECESSED CABINET FOR
CONTROL BOX STORAGE





CUSTOMER/DRAWING APPROVAL:

NAME: _____
(PLEASE PRINT)

DATE: _____
(MMM/DD/YYYY)

ON BEHALF OF: _____
(COMPANY)

SIGNATURE: _____

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<div>APEGA PERMIT NUMBER: P9801</div>	DATE DRAWN: 27-FEB-2018		FILE NO. C1047-100	REV #: 0		
<div></div>	DWG BY: TWR	CHK'ED BY: TWR	APPROVED BY: TWR	SCALE: 1:50 <small>DO NOT SCALE FROM DWG</small>	WEIGHT: 3343.3 LBS <small>APPROXIMATE WEIGHT</small>	SHEET 3 OF 3