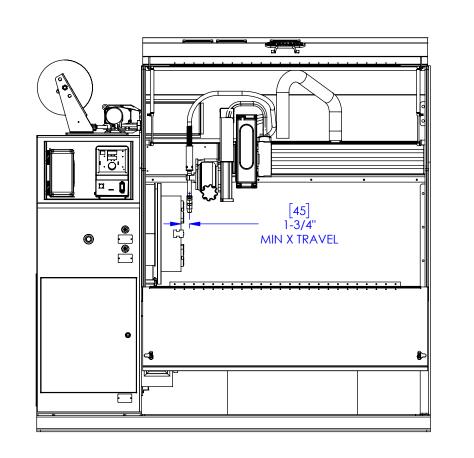
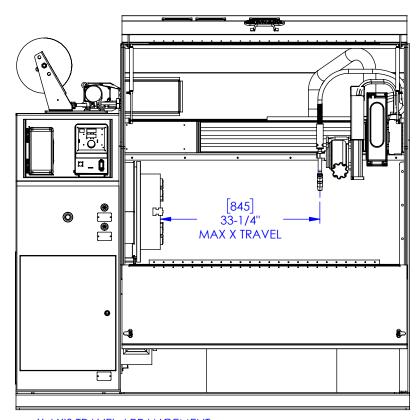
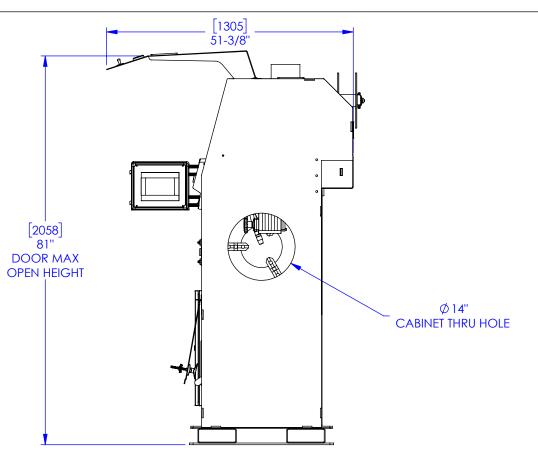
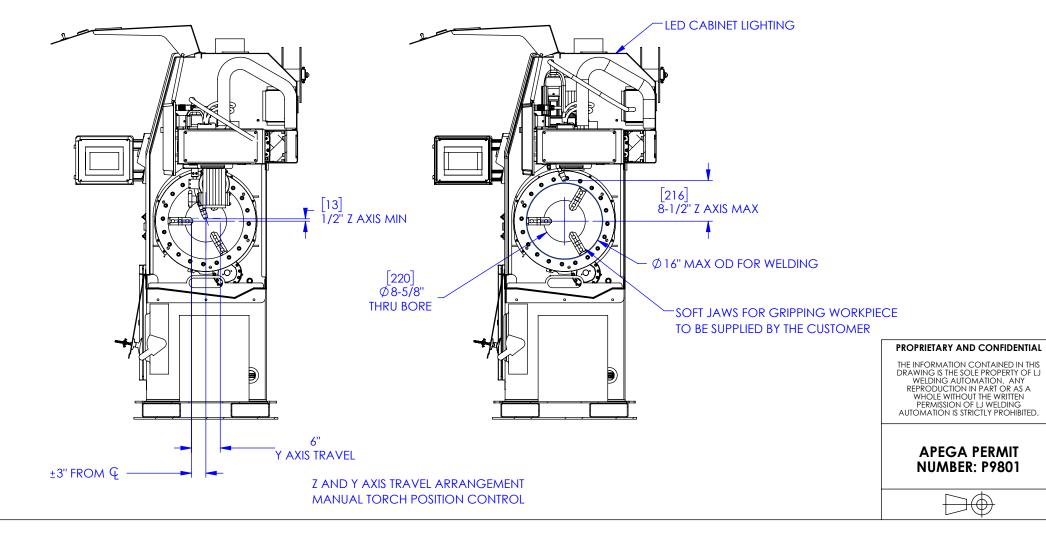
C1047 - HARDBANDING MACHINE BASIC SPECIFICATIONS: MAX LOAD: 3200LBS/1450KG 8-5/8"/220mm THRU BORE, BISON 3 JAW 16" 3295-400 LARGE BORE SCROLL CHUCK VENTILATION HOSE MOUNT - 6" 3/8" to 7"/10-180mm DIAMETER CLAMPING RANGE (THRU BORE). 15-3/4"/400mm MAX GRIPPING OD. 16" MAX WELDING OD. SLIDE OUT CONTROL PANEL CUSTOM CONTROL SYSTEM WITH 4 AXIS PRECISION CONTROL AND WELDING FUNCTION MAIN 7" TOUCHSCREEN CONTROL HMI X-AXIS - SERVO POWERED 31.5"/800mm TRAVEL BALLSCREW CROSS SLIDE - FULL OSCILLATING AND POSITONAL CAPABILITIES E-STOP Y AXIS - STANDARD LJ XS6 HORIZONTAL CROSS SLIDE 6"/150mm TRAVEL, POSITION ADJUST CONTROL CABINET WINDOW / X ADJUST JOYSTICK Z AXIS - TORCH HEIGHT CONTROL VERTICAL CROSS SLIDE 7-7/8"/200mm TRAVEL, POSITION ADJUST CONTROL SKYLIGHT W/ LED Y+Z TACTILE ADJUST JOYSTICK ROTATION AXIS - 0.05 - 2.6RPM* ENCODER FEEDBACK PRECISION GEARMOTOR, FULL POSITIONAL CAPABILITIES OSCILLATOR FINE TUNING KNOBS 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) NEMA 4 CSA/UL ELECTRICAL PANEL- 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, TREGASKISS TOUGHGUN 600A AUTOMATIC AIR COOLED TORCH *** WEIGHT INCLUDES WELDING GEAR AS SHOWN #10 AUTODARK WELD MILLER S-74D WIRE FEEDER ASSEMBLY **VIEWING SCREENS** FOR REFERENCE ONLY MILLER XMT450 FOR REFERENCE ONLY [2013] [1935] 79-1/4" 76-1/8" [1048] [550] 21-5/8" 10-7/8" GAS CYLINDER FOR LID SUPPORT 2083 REMOTE BEARING GREASING **10AMP FUSED DISCONNECT** REMOTE GROUND GREASING 800A ISOLATED GROUND LUG-Ø3/4" THRU SOFT HOLLOW RUBBER LID SEALS **TORCH ROTARY** 8 HOLES BLACK HIGH TEMP SILICONE RUBBER FOR DURABILITY ANGLE ADJUST KNOB BISON 3295-400 16IN FLIP DOWN LOWER COVER-3-JAW LARGE BORE CHUCK END LOADING FORK POCKETS-BOTLED, POWDERCOATED FRAME AND COVERS-**REMOVABLE TRAY** 28-1/2" PROPRIETARY AND CONFIDENTIAL 4747 - 76 AVE, EDMONTON, AB UNLESS OTHERWISE SPECIFIED, **CUSTOMER/DRAWING APPROVAL:** WELDING THE INFORMATION CONTAINED IN THIS DIMENSIONS ARE IN INCHES. T6B 0A3 PH: (780) 466-6658 FAX: (780) 469-6710 IHE INFORMATION CONTAINED IN THE INFORMATION IS THE SOLE PROPERTY OF LY WELDING AUTOMATION, ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LY WELDING AUTOMATION IS STRICTLY PROHIBITED. AUTOMATION NAME: **DEFAULT TOLERANCES:** DESCRIPTION: DATE: FRACTIONAL: ±1/16 **CUSTOM HARDBANDING MACHINE -** $X.X = \pm 0.030$ " SAW: +0, -3/32" $X.XX = \pm 0.015$ " C1047 ON BEHALF OF: HOLES: +1/64" - 0" $X.XXX = \pm 0.005$ " **APEGA PERMIT** ANGULAR: ±1/2° NUMBER: P9801 FILE NO. REV #: DATE DRAWN: 27-FEB-2018 **SIGNATURE:** C1047-100 0 DWG BY CHK'ED BY: APPROVED B SCALE: 1:32 WEIGHT: LBS SHEET 1 OF 3 **TWR** TWR **TWR**







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



CUSTOMER/DRAWING APPROVAL: (MMM/DD/YYYY) ON BEHALF OF: **SIGNATURE:**

DIMENSIONS ARE IN INCHES. **DEFAULT TOLERANCES:**

DATE DRAWN:

DWG BY:

TWR

UNLESS OTHERWISE SPECIFIED,

FRACTIONAL: ±1/16" $X.X = \pm 0.030$ " $X.XX = \pm 0.015$ " SAW: +0, -3/32" HOLES: +1/64" - 0" $X.XXX = \pm 0.005$ "

TWR

ANGULAR: ±1/2° 27-FEB-2018 CHK'ED BY: APPROVED BY

TWR

FILE NO.

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

REV #:

DESCRIPTION:

CUSTOM HARDBANDING MACHINE - C1047

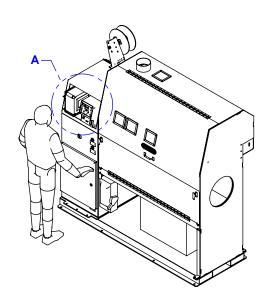
C1047-100

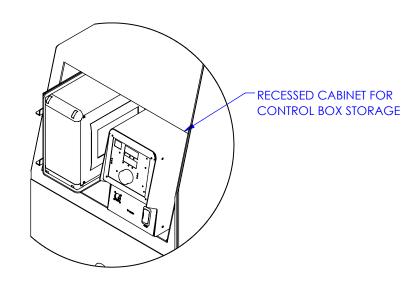
0 SCALE: 1:20 WEIGHT: LBS SHEET 2 OF 3

C1047 - HARDBANDING MACHINE

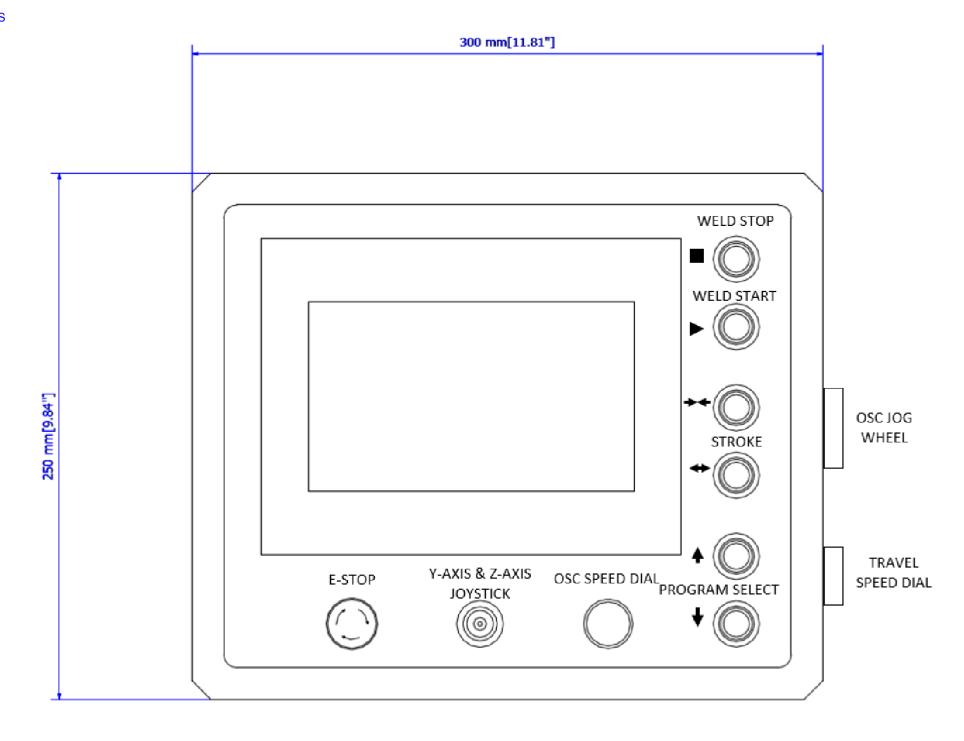
CONTROL BOX:

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





DETAIL A SCALE 1:10



CUSTOMER/DRAWING APPROVAL: NAME: **ON BEHALF OF: SIGNATURE:**

| \ | PROPRIETARY AND CONFIDENTIAL | UNLESS OTH |
|---|--|--|
| | THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF L.J. | DIMENSION |
| | WELDING AUTOMATION. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LJ WELDING AUTOMATION IS STRICTLY PROHIBITED. | DEFAULT |
| | APEGA PERMIT NUMBER: P9801 | X.X = ±0.030" X.XX = ±0.015" X.XXX = ±0.005" |
| | NUMBER. F 700 I | DATE DRAWN: |

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. **DEFAULT TOLERANCES:**

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

DESCRIPTION:

CUSTOM HARDBANDING MACHINE -C1047

WEIGHT: 3343.3 LBS

ANGULAR: ±1/2° TE DRAWN: 27-FEB-2018 DWG BY: CHK'ED BY: APPROVED BY **TWR**

SCALE: 1:50 **TWR TWR**

SAW: +0, -3/32"

HOLES: +1/64" - 0"

FRACTIONAL: ±1/16"

FILE NO. C1047-100

REV #: 0 SHEET 3 OF 3