

MA12000V-8400

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA12000V/8400
Clamping Force	kN	12000
	US Tons	1349
Mold Opening Stroke (Min/Max)	mm	1310
	in.	51.57
Minimum Mold Height	mm	550
	in.	21.65
Maximum Mold Height	mm	1250
	in.	49.21
Maximum Daylight	mm	2560
	in.	100.79
Distance Between Tie-Bars (HXV)	mm	1250x1250
	in.	49.21x49.21
Platen Dimensions (HXV)	mm	1790x1820
	in.	70.47x71.65
Ejector Stroke	mm	320
	in.	12.6
Ejector Force	kN	215
	US Tons	24

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Injection Unit		8400		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	100	110	120
	in.	3.94	4.33	4.72
Screw L/D Ratio	L/D	24.2	22	20.2
Injection Volume (theoretical)	cm ³	4005	4846	5767
	cu.in.	244.40	295.72	351.92
Injection Weight (PS)	g	3645	4410	5248
	oz.	128.57	155.56	185.12
Injection Rate (PS)	g/s	771	933	1111
	oz./s	27.20	32.91	39.19
Injection Pressure	MPa	223	185	155
	psi	32343	26832	22481
Plasticizing Rate (GPPS)	g/s	121	145	168
	oz./s	4.27	5.11	5.93
Screw Speed	rpm	155	155	155



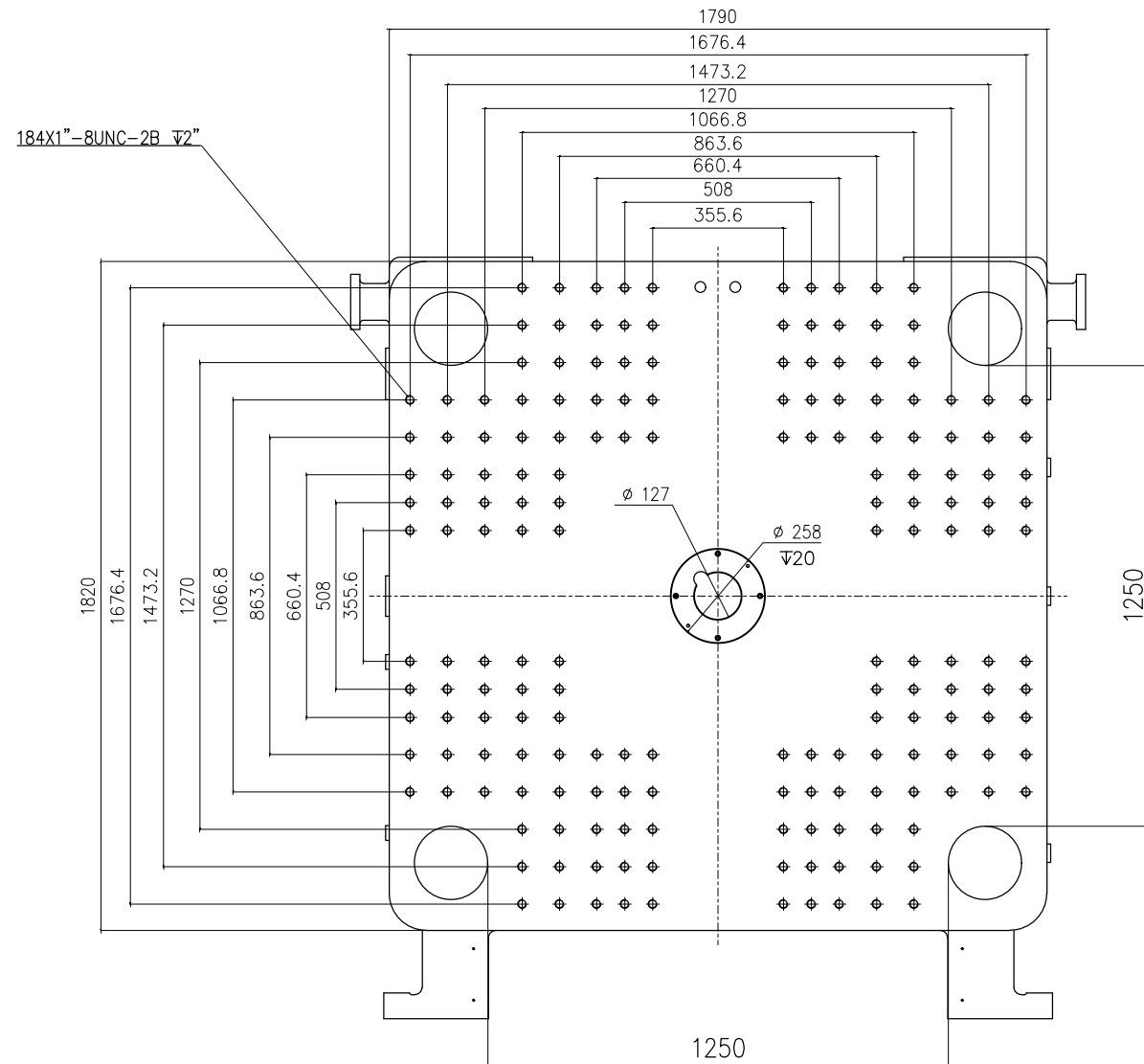
MA12000V-8400

MARS 5 Series: Toggle Clamp Servo-Hydraulic

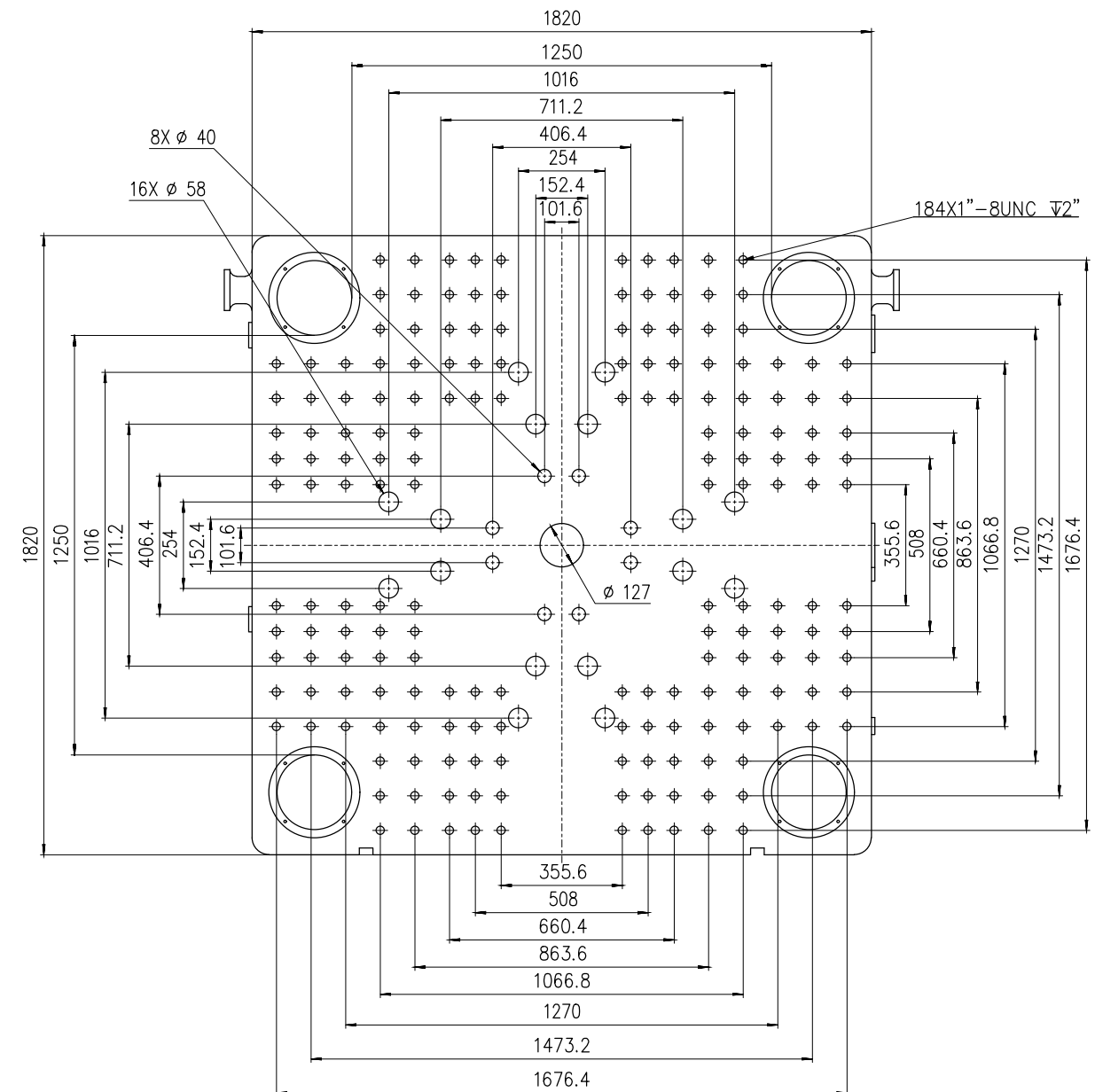
Other		
Pump Motor Power	kW	85+45
Heater Power	kW	82.8
Machine Dimension (LxWxH)	m	12.43x2.66x2.97
	in.	489x105x117
Machine Weight	t	58
	lbs.	127868
Hopper Capacity	kg	100
	lbs.	220
Oil Tank	l	1000
	gal	264

***NOTE:**

1. Electric screw drive (screw rotate) is standard for injection units under 10600. For injection units 10600 and above electric screw drive is optional.
2. Machine dimensions and weights are based on the international standard configuration and are for reference only. Any options or country specific requirements will affect this. Contact Absolute Haitian service department for machine specific information.
3. Power requirements are based on the international standard configuration and are for reference only. Any options or country specific requirements will affect this. Contact Absolute Haitian service department for machine specific information.



Fixed Platen



Moving Platen



Absolute Haitian Corporation
33 Southgate St. Worcester, MA
T:+1 508-792-4305
www.absolutehaitian.com

Title: MAV 12000 Fixed & Moving Platens Drawing

Machine Model: MAV 12000
Machine Serial Number:
Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry

Date: 1/9/2024

Chkd By: LEON XIE

Date: 1/9/2024

Revision Date: Drawing #:

Rev #: 1

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

NOT TO SCALE

Size: 11 X 17 "B"

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

PLEASE READ:

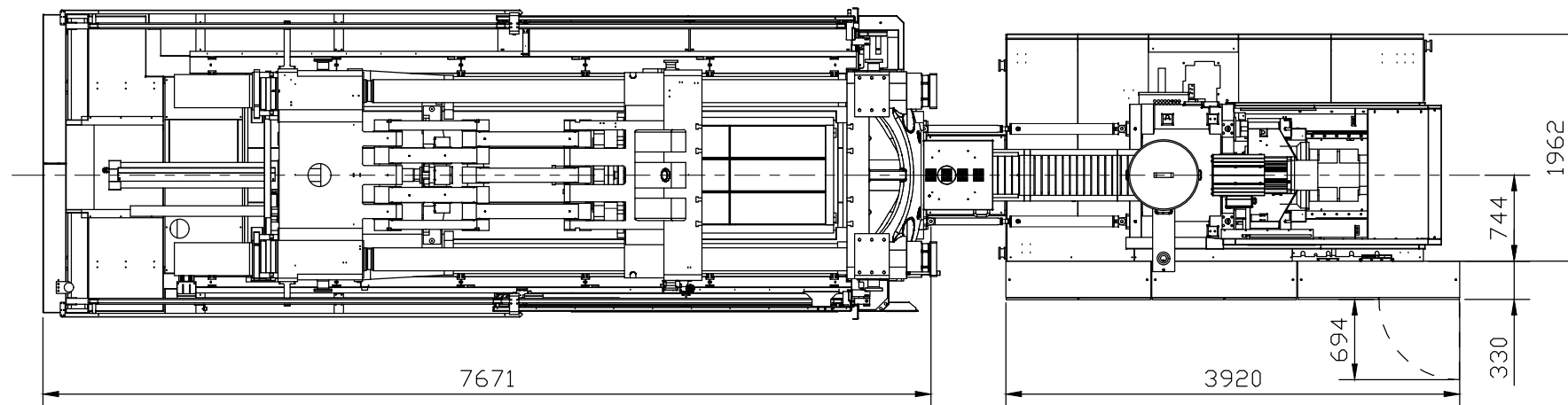
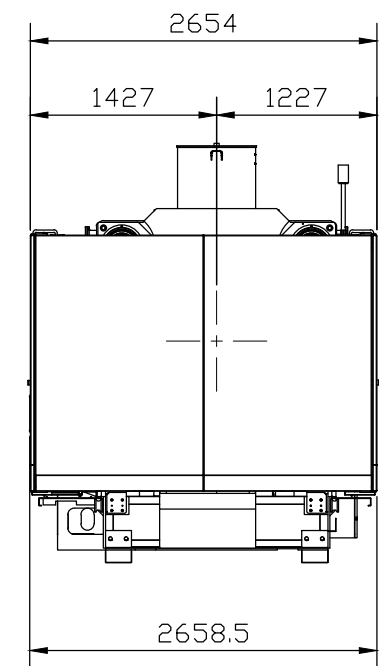
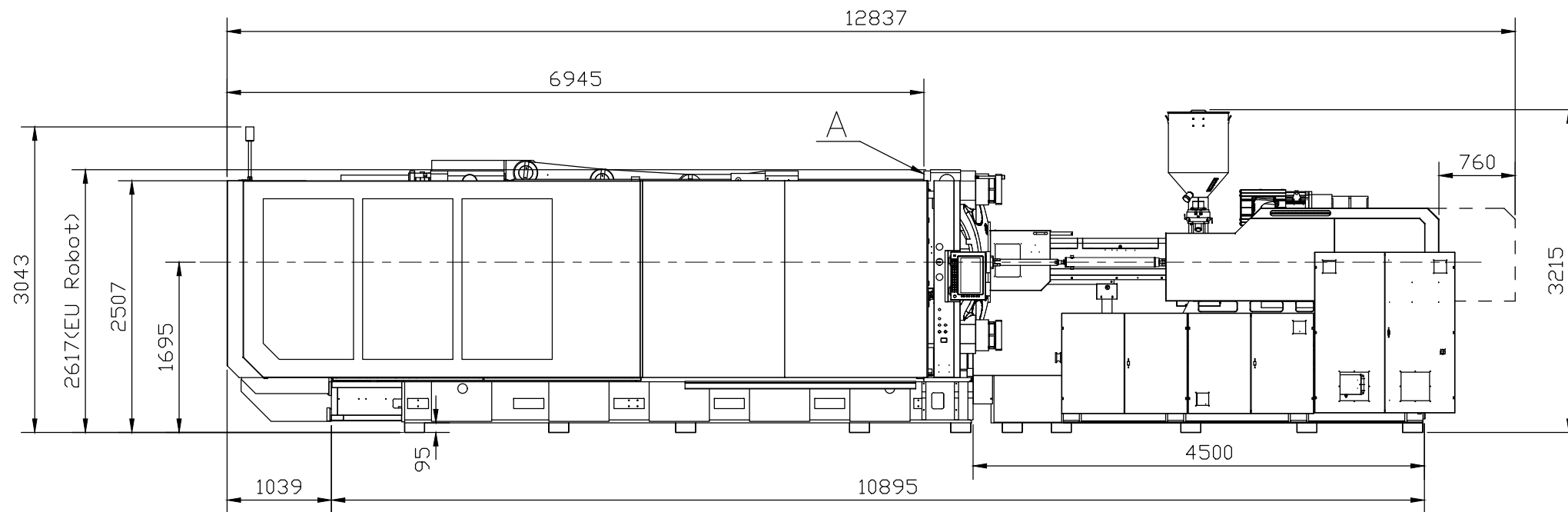
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility requirements for space, part clearance, overhead clearance, or any other interference. By signing this document, the customer accepts full responsibility for this design and application.

Customer:

Customer Approval:

Authorized Signature

Notes:



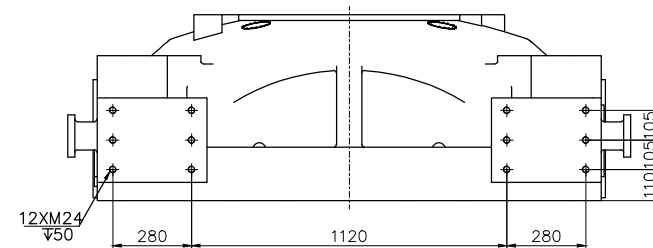
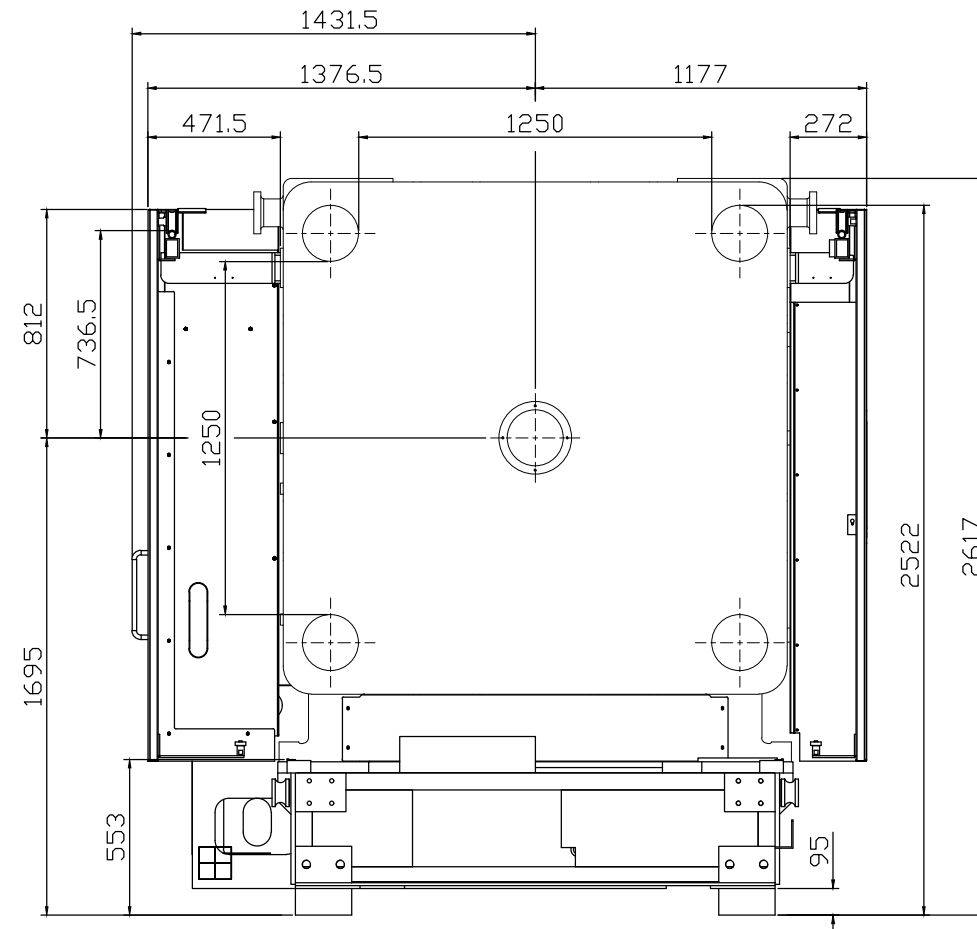
Absolute Haitian Corporation
33 Southgate St. Worcester, MA
T:+1 508-792-4305
www.absolutehaitian.com

Title: MA V 12000 Layout Drawing			
Machine Model: MA V 12000		Sheet: 1 of 1	
Machine Serial Number:		Drawn By: Harry	Date: 3/21/2024
Machine Tonnage:		Chkd By: LEON XIE	Date: 3/21/2024
Revision	Date:	Drawing #: Layout	NOT TO SCALE
Rev #: 1			Size: 11 X 17 "B"
Rev #: 2			Units: mm / [in]
Rev #: 3			Material:
Rev #: 4			Part:
Rev #: 5			Part:

PLEASE READ:
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Customer: _____ Customer Approval: _____
Authorized Signature

Notes:



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Title: MA V 12000 Robot Mounting Drawing

Machine Model: MA V 12000
Machine Serial Number:
Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry

Date: 4/9/2024

Chkd By: LEON XIE

Date: 4/9/2024

Revision Date: Drawing #: Robot Mounting

NOT TO SCALE

Size: 11 X 17 "B"

Rev #: 1

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

PLEASE READ:

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Customer:

Customer Approval:

Authorized Signature

Notes: