

MA1200V-400

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA1200V/400
Clamping Force	kN	1200
	US Tons	135
Mold Opening Stroke (Min/Max)	mm	360
	in.	14.17
Minimum Mold Height	mm	150
	in.	5.91
Maximum Mold Height	mm	450
	in.	17.72
Maximum Daylight	mm	810
	in.	31.89
Distance Between Tie-Bars (HXV)	mm	410x410
	in.	16.14x16.14
Platen Dimensions (HXV)	mm	615x615
	in.	24.21x24.21
Ejector Stroke	mm	120
	in.	4.72
Ejector Force	kN	33
	US Tons	4

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Injection Unit		400		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	36	40	45
	in.	1.42	1.57	1.77
Screw L/D Ratio	L/D	23.3	21	18.7
Injection Volume (theoretical)	cm ³	173	213	270
	cu.in.	10.56	13.00	16.48
Injection Weight (PS)	g	157	194	246
	oz.	5.54	6.84	8.68
Injection Rate (PS)	g/s	106	131	166
	oz./s	3.74	4.62	5.86
Injection Pressure	MPa	233	189	149
	psi	33794	27412	21611
Plasticizing Rate (GPPS)	g/s	18.9	23.1	30.6
	oz./s	0.67	0.81	1.08
Screw Speed	rpm	300	300	300



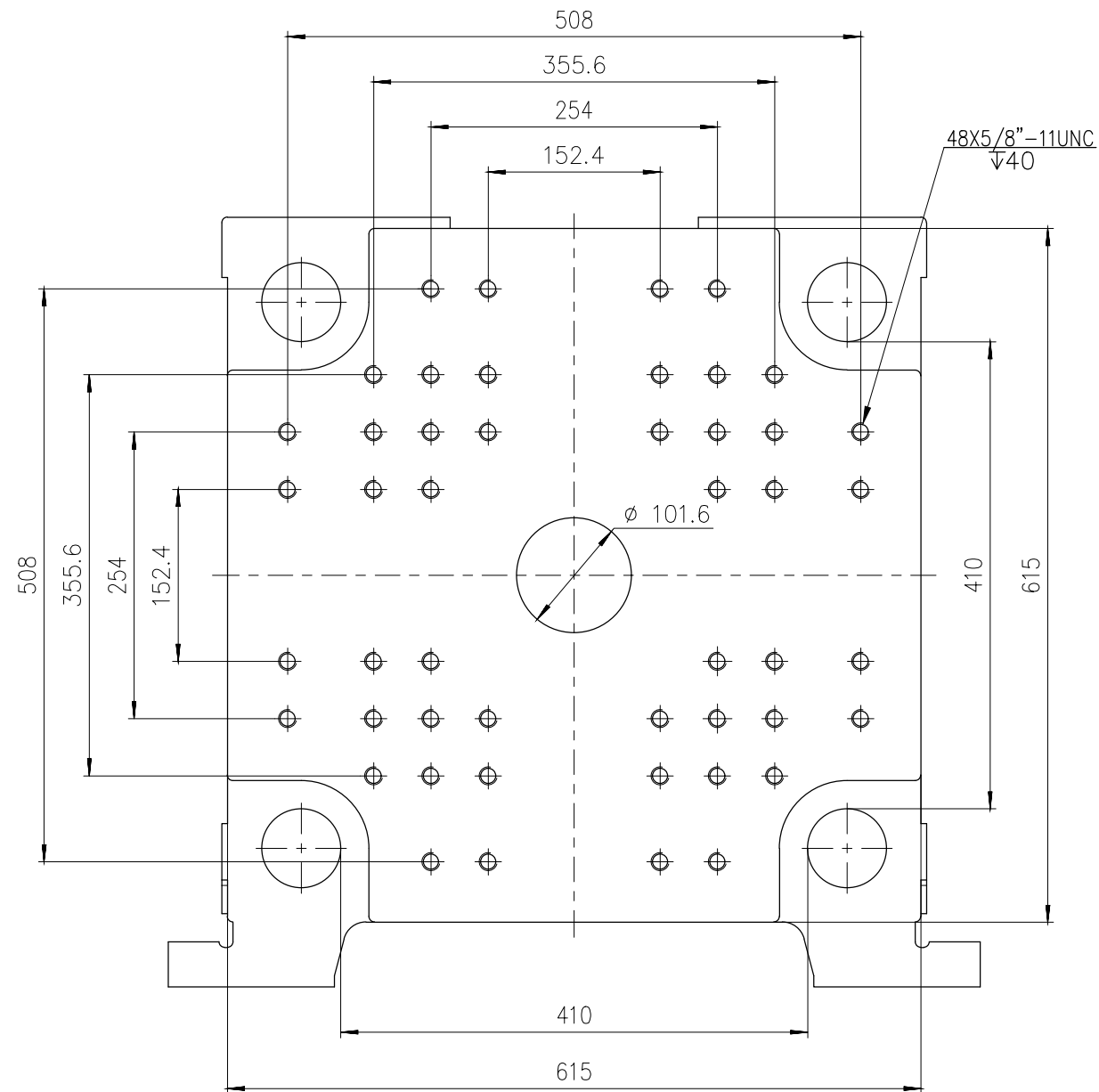
MA1200V-400

MARS 5 Series: Toggle Clamp Servo-Hydraulic

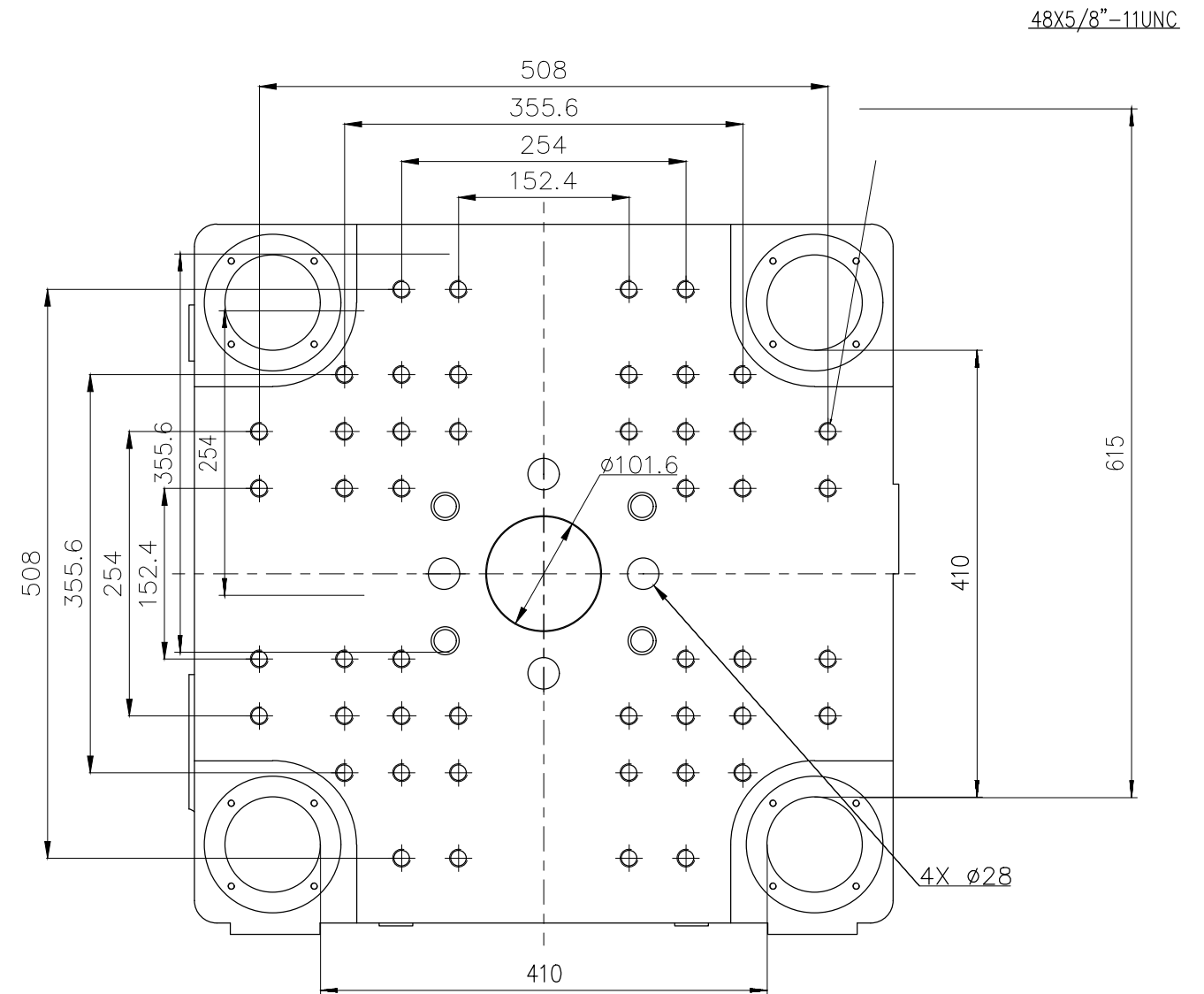
Other		
Pump Motor Power	kW	18.5
Heater Power	kW	12.85
Machine Dimension (LxWxH)	m	4.95x1.24x1.94
	in.	195x49x76
Machine Weight	t	4
	lbs.	8818
Hopper Capacity	kg	25
	lbs.	55
Oil Tank	l	140
	gal	37

***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 1200 Fixed & Moving Platens Drawing

Machine Model: MAV 1200

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:

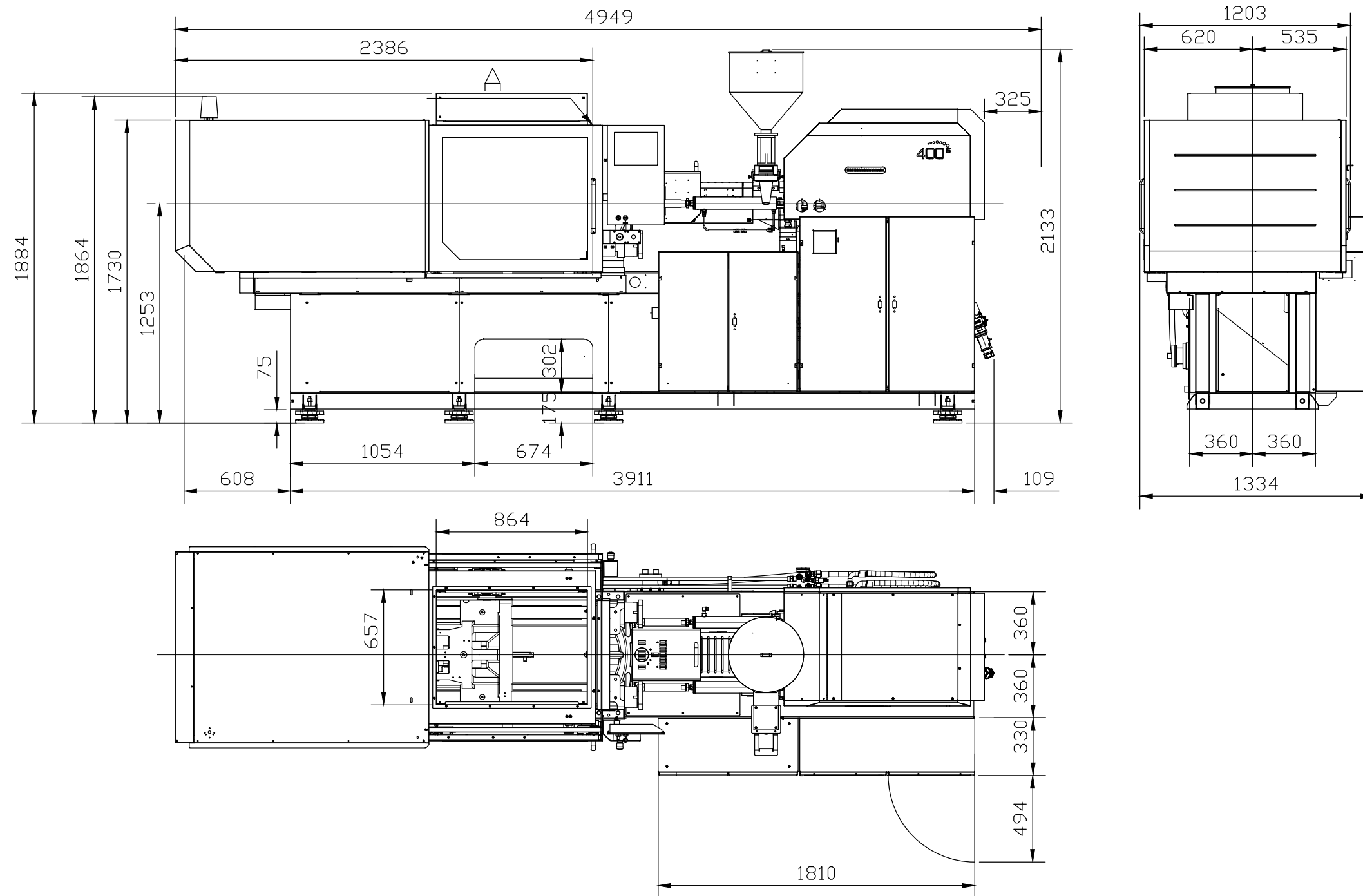
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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 1200 Layout Drawing

Machine Model: MA V 1200
Machine Serial Number:
Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry Date: 3/21/2024
Chkd By: LEON XIE Date: 3/21/2024

Revision	Date:	Drawing #: Layout	NOT TO SCALE	Size: 11 X 17 "B"
Rev #: 1				Units: mm / [in]
Rev #: 2				Material:
Rev #: 3				Part:
Rev #: 4				Part:
Rev #: 5				Part:

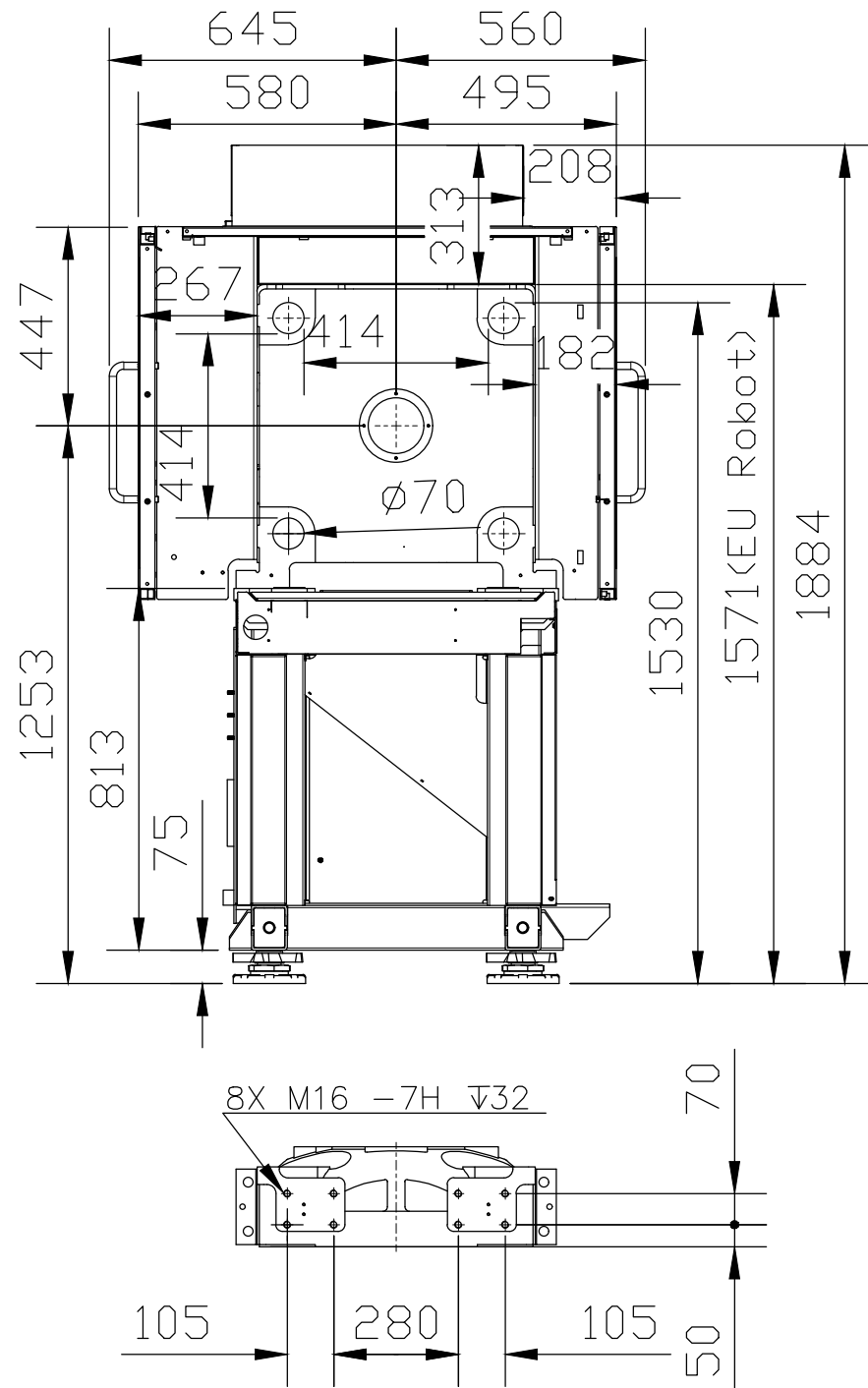
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Customer:

Customer Approval:
Authorized Signature

Notes:



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

Title: MA V 1200 Robot Mounting Drawing

Machine Model: MA V 1200
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

Units: mm / [in]

Rev #: 2

Material:

Rev #: 3

Part:

Rev #: 4

Part:

Rev #: 5

Part:

PLEASE READ:

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Customer:

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Authorized Signature

Notes: