

Specification



MA8000V-6800

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA8000V/6800
Clamping Force	kN	8000
	US Tons	899
Mold Opening Stroke (Min/Max)	mm	1040
	in.	40.94
Minimum Mold Height	mm	420
	in.	16.54
Maximum Mold Height	mm	1000
	in.	39.37
Maximum Daylight	mm	2040
	in.	80.31
Distance Between Tie-Bars (HXV)	mm	1000x1000
	in.	39.37x39.37
Platen Dimensions (HXV)	mm	1465x1485
	in.	57.68x58.46
Ejector Stroke	mm	280
	in.	11.02
Ejector Force	kN	186
	US Tons	21

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MARS 5 Series: Toggle Clamp Servo-Hydraulic

Injection Unit		6800		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	90	100	110
	in.	3.54	3.94	4.33
Screw L/D Ratio	L/D	24.4	22	20
Injection Volume (theoretical)	cm ³	2990	3691	4466
	cu.in.	182.46	225.24	272.53
Injection Weight (PS)	g	2720	3359	4064
	oz.	95.95	118.49	143.35
Injection Rate (PS)	g/s	636	786	951
	oz./s	22.43	27.73	33.55
Injection Pressure	MPa	230	186	154
	psi	33359	26977	22336
Plasticizing Rate (GPPS)	g/s	103	127	150
	oz./s	3.63	4.48	5.29
Screw Speed	rpm	170	170	170



Specification



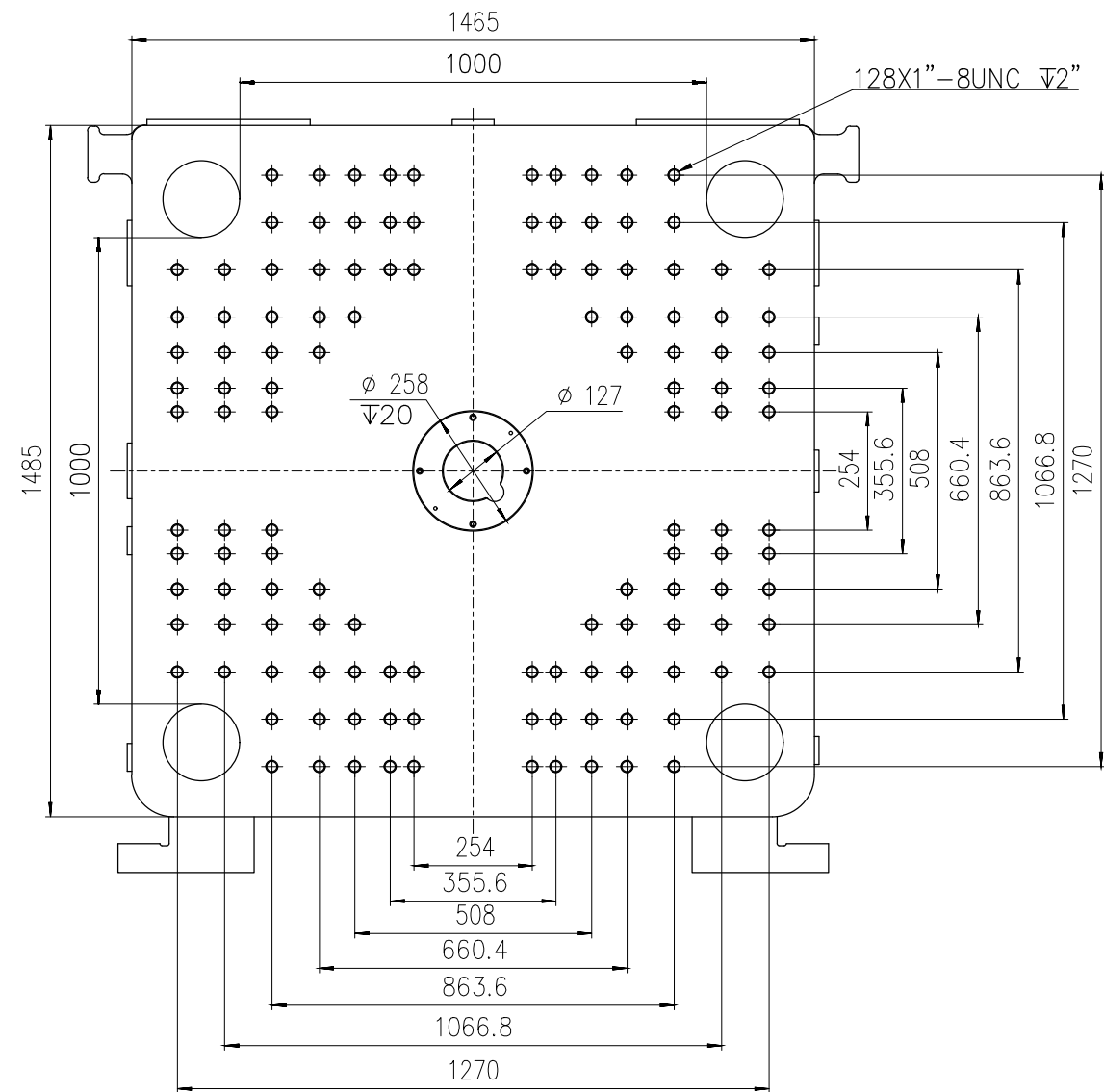
MA8000V-6800

MARS 5 Series: Toggle Clamp Servo-Hydraulic

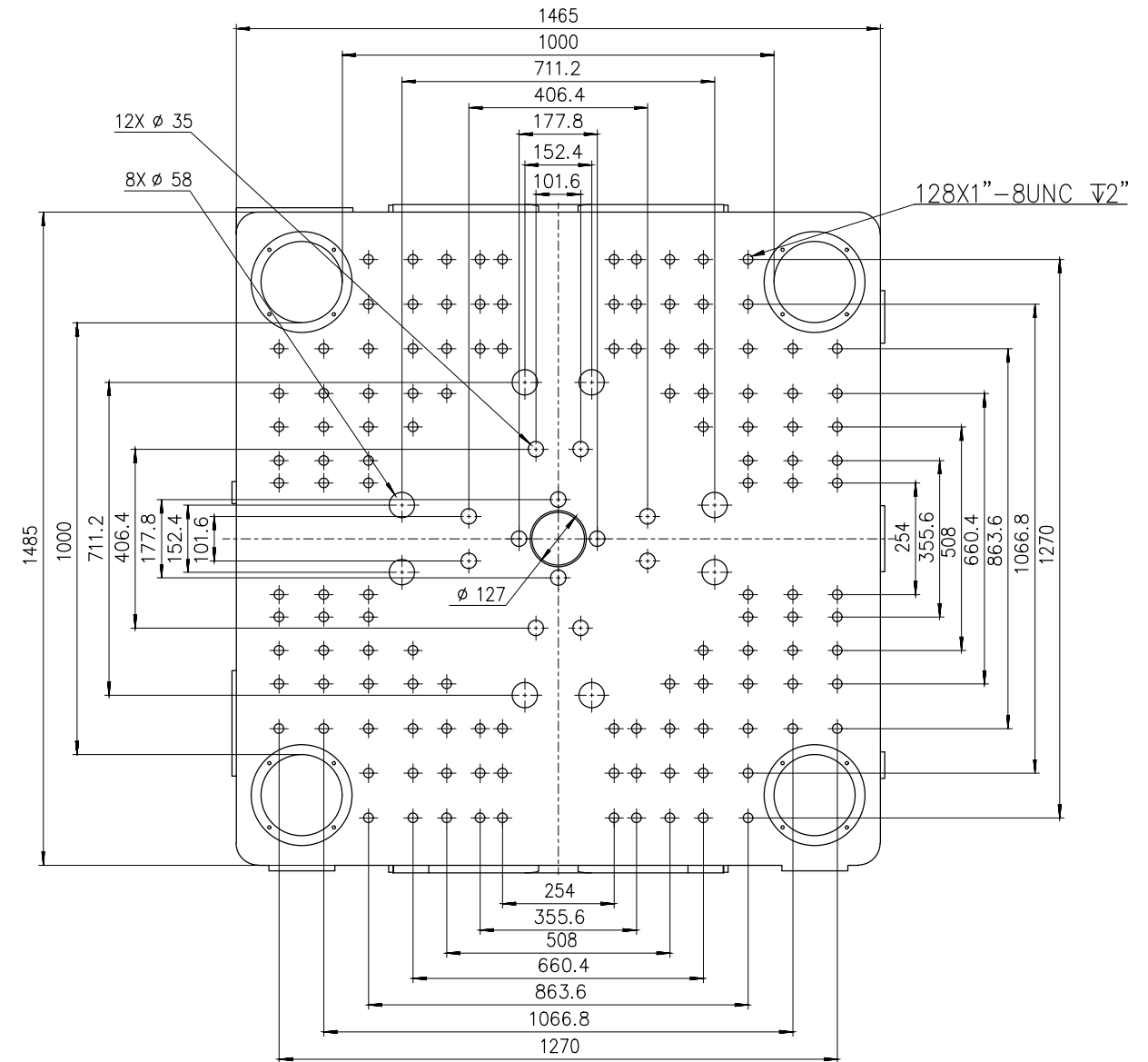
Other		
Pump Motor Power	kW	85+30
Heater Power	kW	69.5
Machine Dimension (LxWxH)	m	10.99x2.30x2.83
	in.	433x91x111
Machine Weight	t	37.6
	lbs.	82894
Hopper Capacity	kg	100
	lbs.	220
Oil Tank	l	900
	gal	238

***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 8000 Fixed & Moving Platens Drawing

Machine Model: MAV 8000
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:

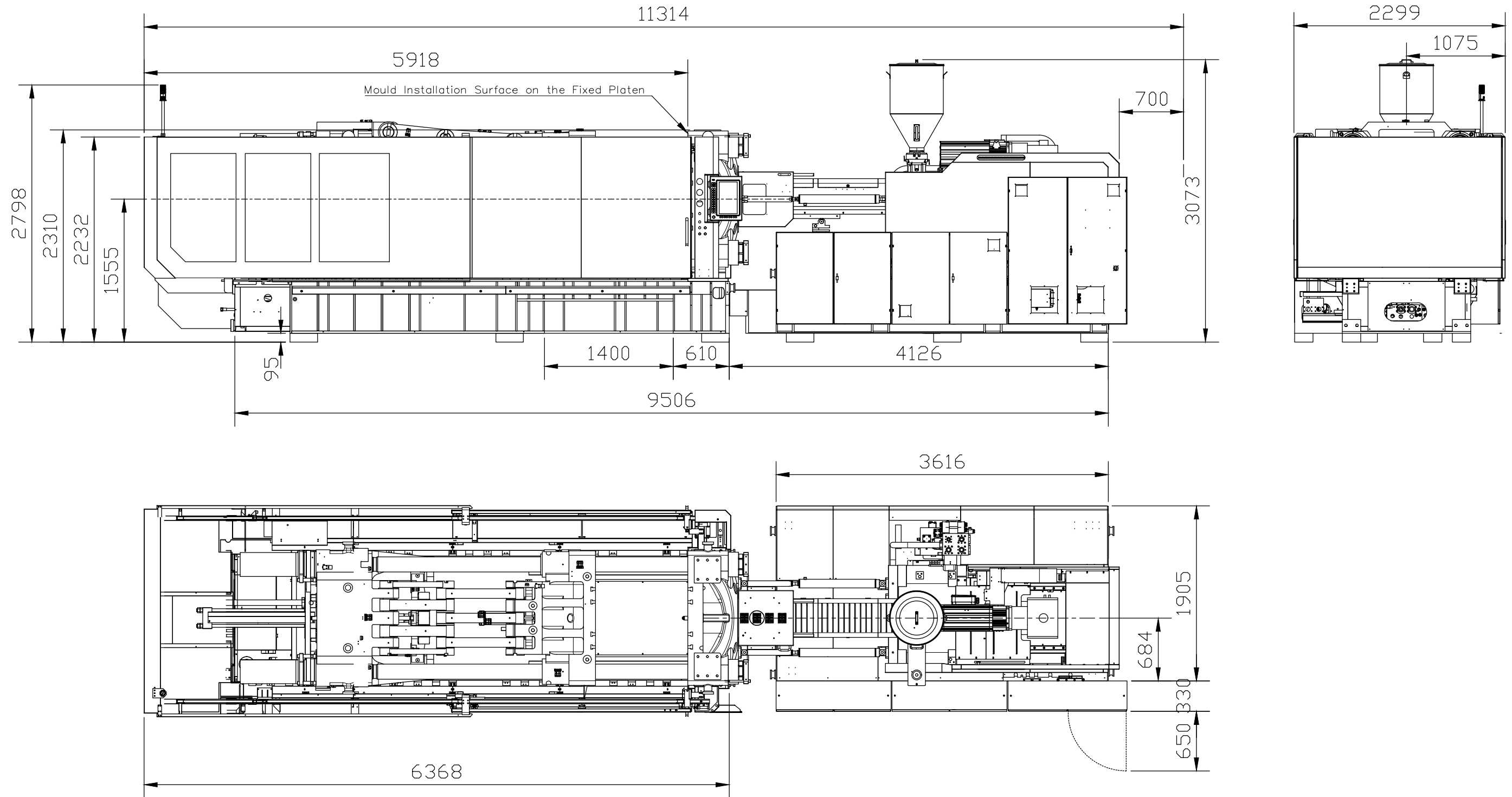
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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 8000 Layout Drawing

Machine Model: MA V 8000
Machine Serial Number:
Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry Date: 3/27/2024
Chkd By: LEON XIE Date: 1/1/2022
NOT TO SCALE Size: 11 X 17 "B"

Revision Date: Drawing #: Layout

Rev #: 1
Rev #: 2
Rev #: 3
Rev #: 4
Rev #: 5

Units: mm / [in]
Material:
Part:
Part:
Part:
Part:
Part:

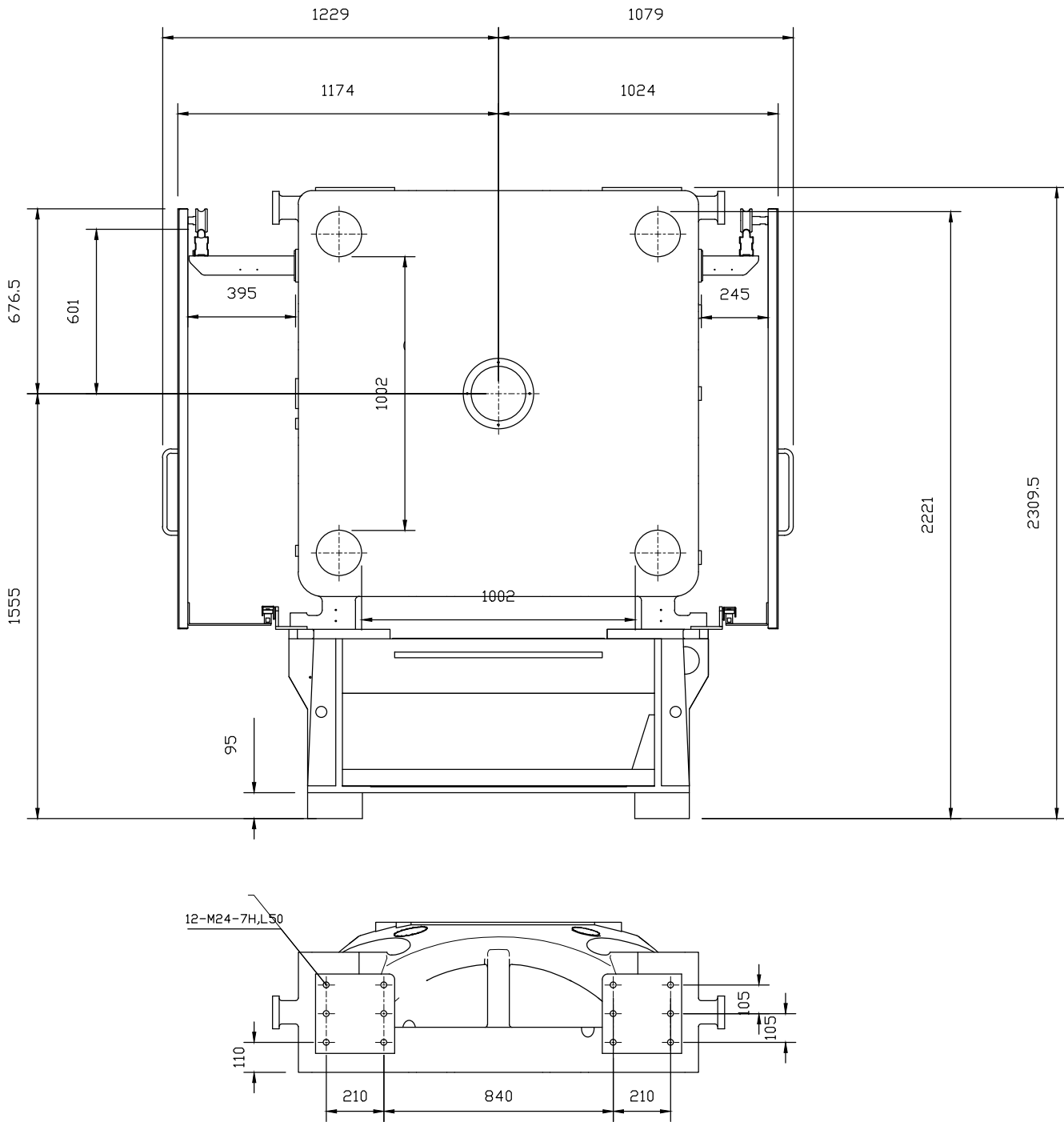
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Customer:

Customer Approval:
Authorized Signature

Notes:



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

Title: MA V 8000 Robot Mounting Drawing

Machine Model: MA V 8000
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:

Customer Approval:

Authorized Signature

Notes: