

MA2500V-1000

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA2500V/1000
Clamping Force	kN	2500
	US Tons	281
Mold Opening Stroke (Min/Max)	mm	540
	in.	21.26
Minimum Mold Height	mm	220
	in.	8.66
Maximum Mold Height	mm	580
	in.	22.83
Maximum Daylight	mm	1120
	in.	44.09
Distance Between Tie-Bars (HXV)	mm	580x580
	in.	22.83x22.83
Platen Dimensions (HXV)	mm	850x850
	in.	33.46x33.46
Ejector Stroke	mm	150
	in.	5.91
Ejector Force	kN	62
	US Tons	7

MA2500V-1000

MARS 5 Series: Toggle Clamp Servo-Hydraulic

Injection Unit		1000		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	50	55	60
	in.	1.97	2.17	2.36
Screw L/D Ratio	L/D	22	20	18.3
Injection Volume (theoretical)	cm ³	496	601	715
	cu.in.	30.27	36.68	43.63
Injection Weight (PS)	g	452	546	650
	oz.	15.94	19.26	22.93
Injection Rate (PS)	g/s	196	237	283
	oz./s	6.91	8.36	9.98
Injection Pressure	MPa	228	189	158
	psi	33069	27412	22916
Plasticizing Rate (GPPS)	g/s	36.9	45.2	53.5
	oz./s	1.30	1.59	1.89
Screw Speed	rpm	270	270	270



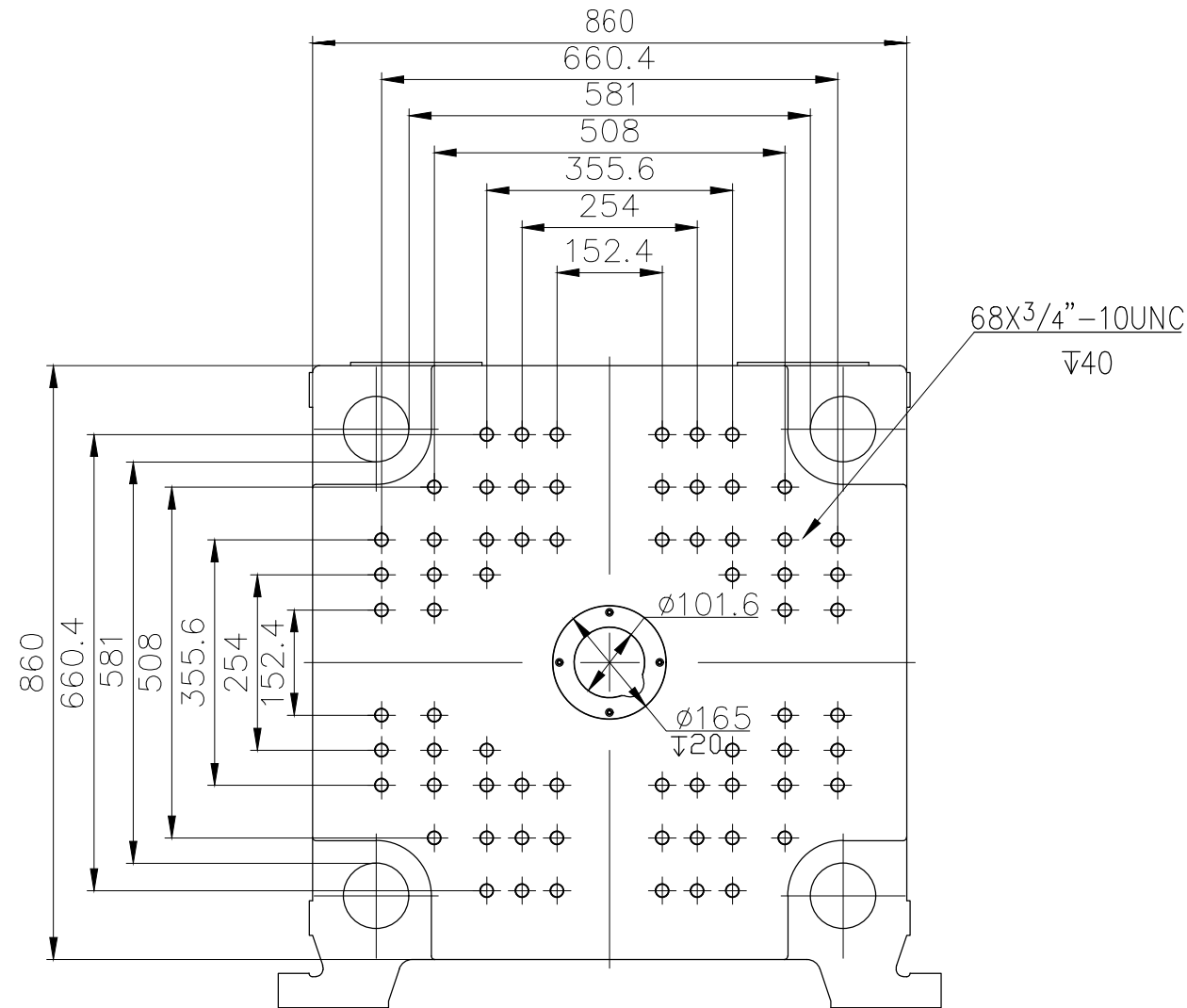
MA2500V-1000

MARS 5 Series: Toggle Clamp Servo-Hydraulic

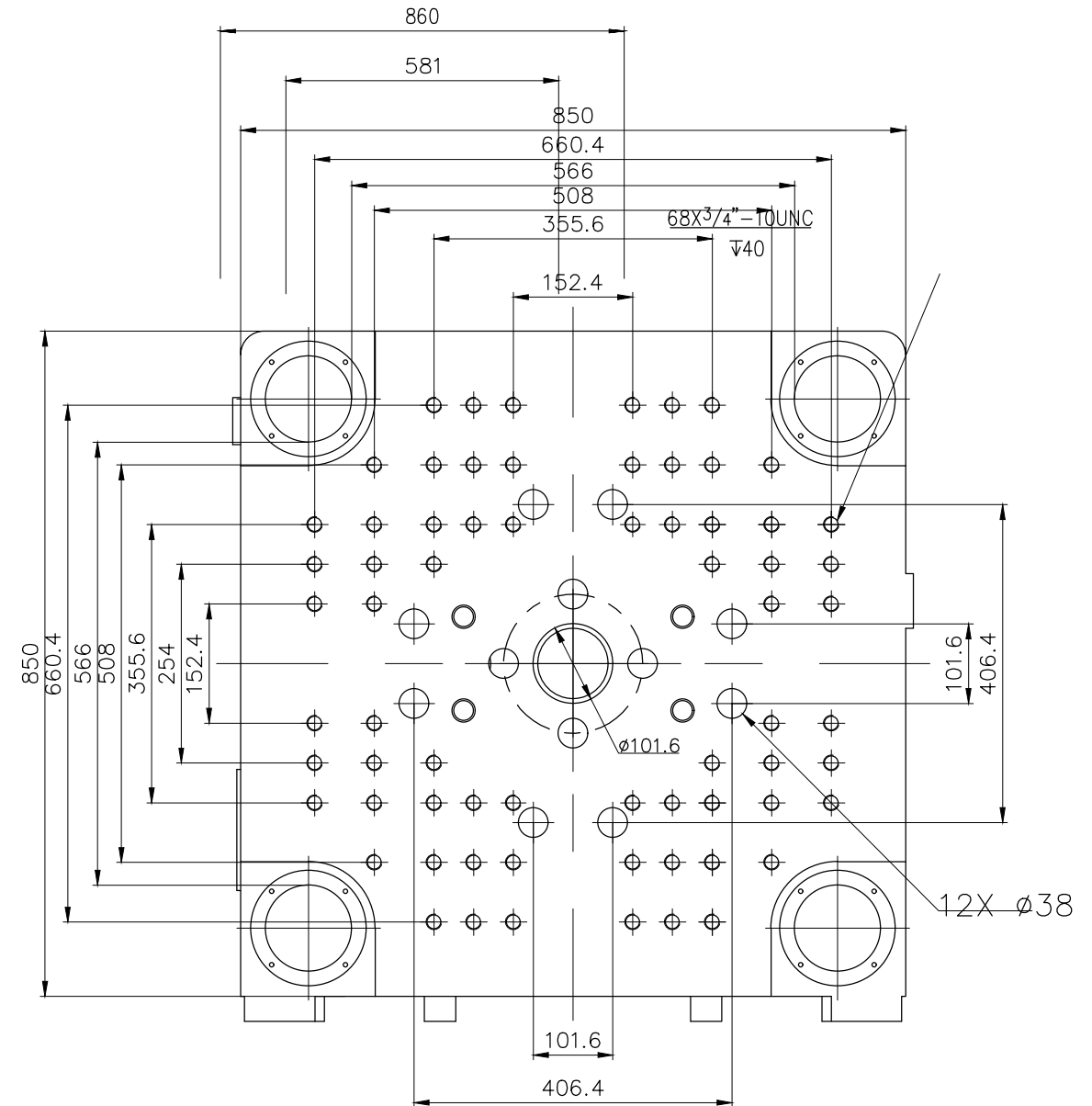
Other		
Pump Motor Power	kW	37
Heater Power	kW	20.3
Machine Dimension (LxWxH)	m	6.46x1.51x2.21
	in.	254x59x87
Machine Weight	t	8.1
	lbs.	17857
Hopper Capacity	kg	50
	lbs.	110
Oil Tank	l	245
	gal	65

***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 2500 Fixed & Moving Platens Drawing

Machine Model: MAV 2500

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:

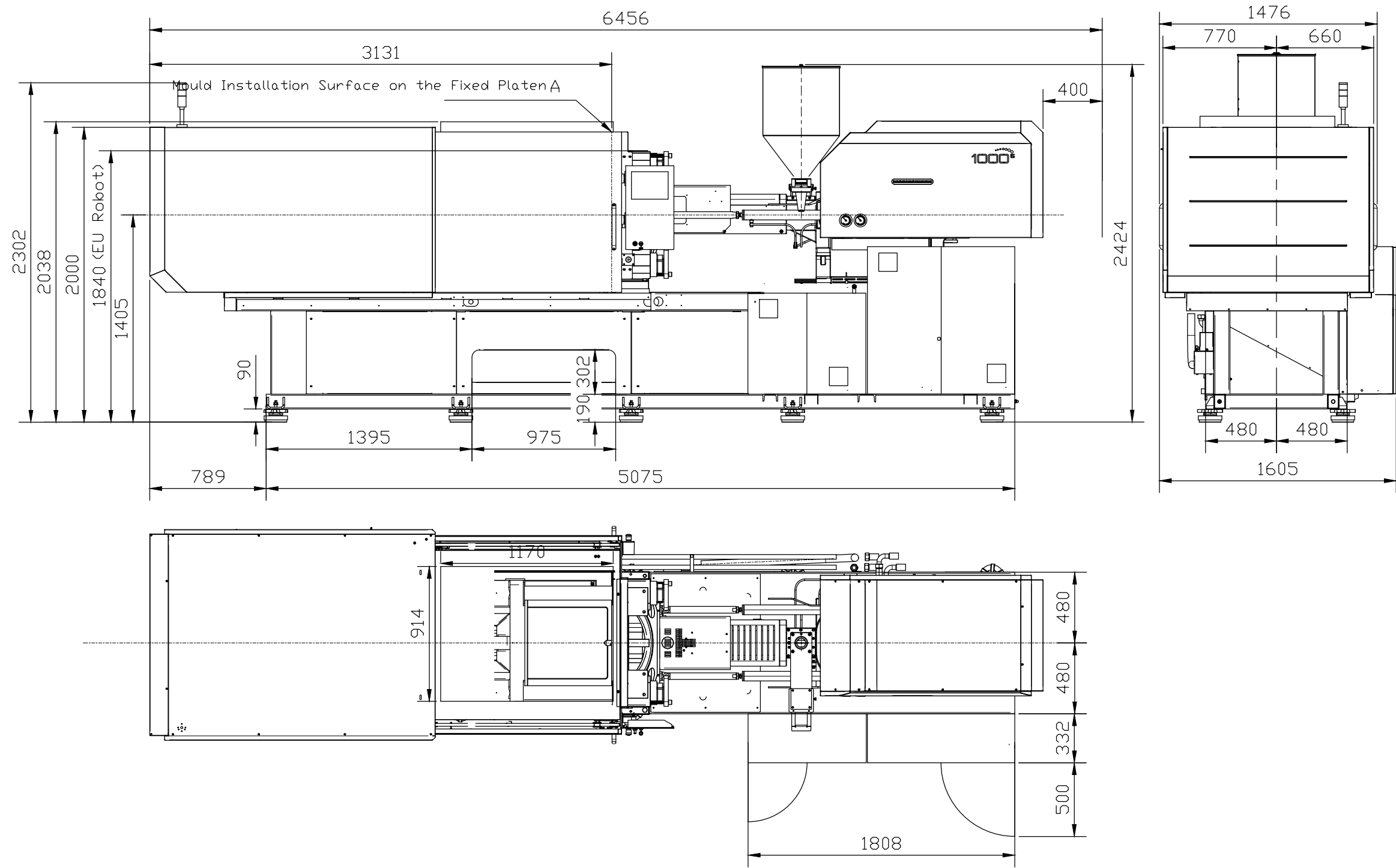
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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 2500 Layout Drawing

Machine Model: MA V 2500
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:

PLEASE READ:

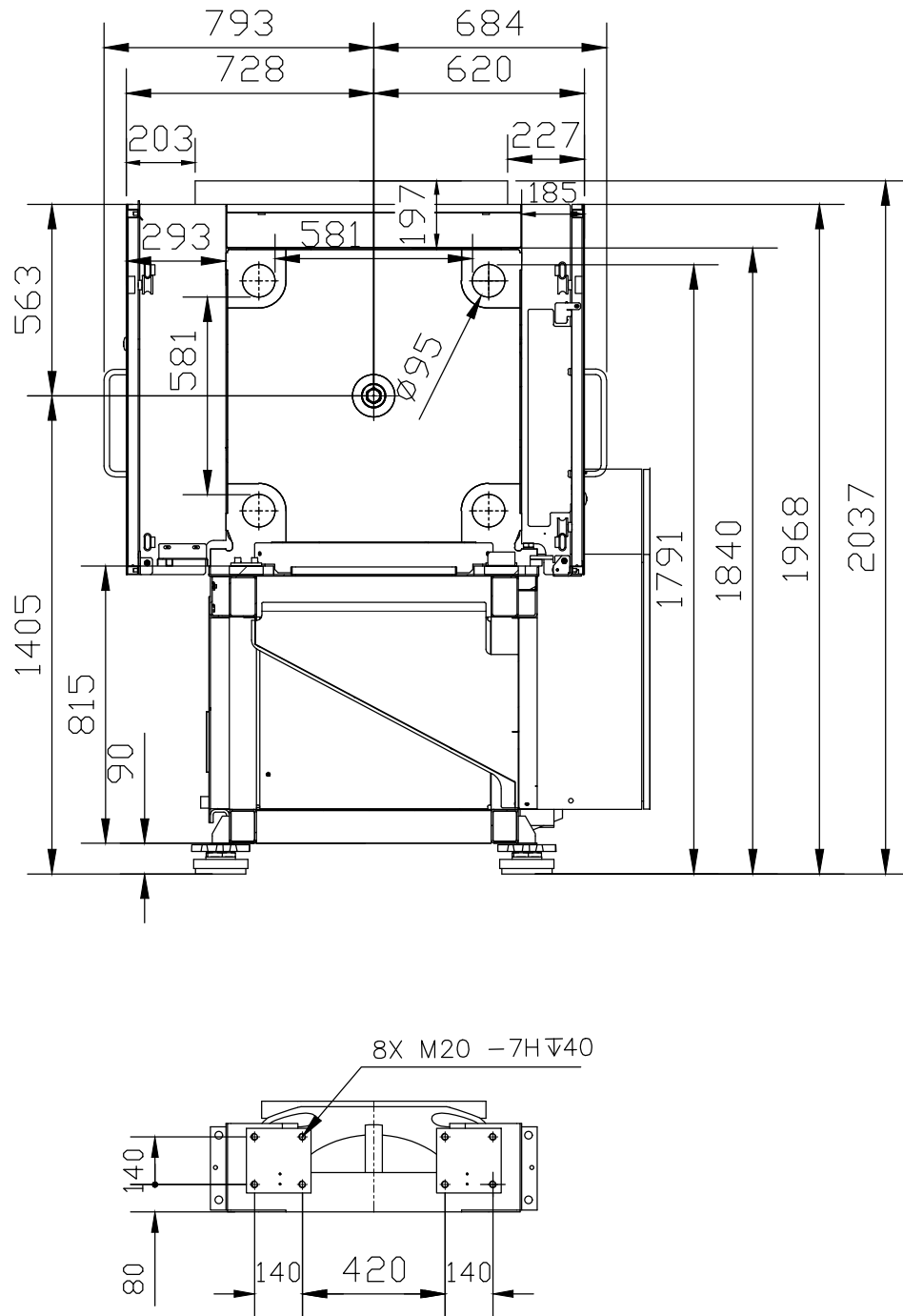
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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 2500 Robot Mounting Drawing

Machine Model: MA V 2500
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:

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: