

MA2800V-1350

MARS 5 Series: Toggle Clamp Servo-Hydraulic



Clamping Unit		MA2800V/1350
Clamping Force	kN	2800
	US Tons	315
Mold Opening Stroke (Min/Max)	mm	590
	in.	23.23
Minimum Mold Height	mm	230
	in.	9.06
Maximum Mold Height	mm	630
	in.	24.8
Maximum Daylight	mm	1220
	in.	48.03
Distance Between Tie-Bars (HXV)	mm	630x630
	in.	24.8x24.8
Platen Dimensions (HXV)	mm	930x930
	in.	36.61x36.61
Ejector Stroke	mm	150
	in.	5.91
Ejector Force	kN	62
	US Tons	7

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Injection Unit		1350		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	55	60	65
	in.	2.17	2.36	2.56
Screw L/D Ratio	L/D	21.8	20	18.5
Injection Volume (theoretical)	cm ³	617	735	862
	cu.in.	37.65	44.85	52.60
Injection Weight (PS)	g	562	668	785
	oz.	19.82	23.56	27.69
Injection Rate (PS)	g/s	248	295	347
	oz./s	8.75	10.41	12.24
Injection Pressure	MPa	223	188	160
	psi	32343	27267	23206
Plasticizing Rate (GPPS)	g/s	46.2	54.9	61
	oz./s	1.63	1.94	2.15
Screw Speed	rpm	270	270	270



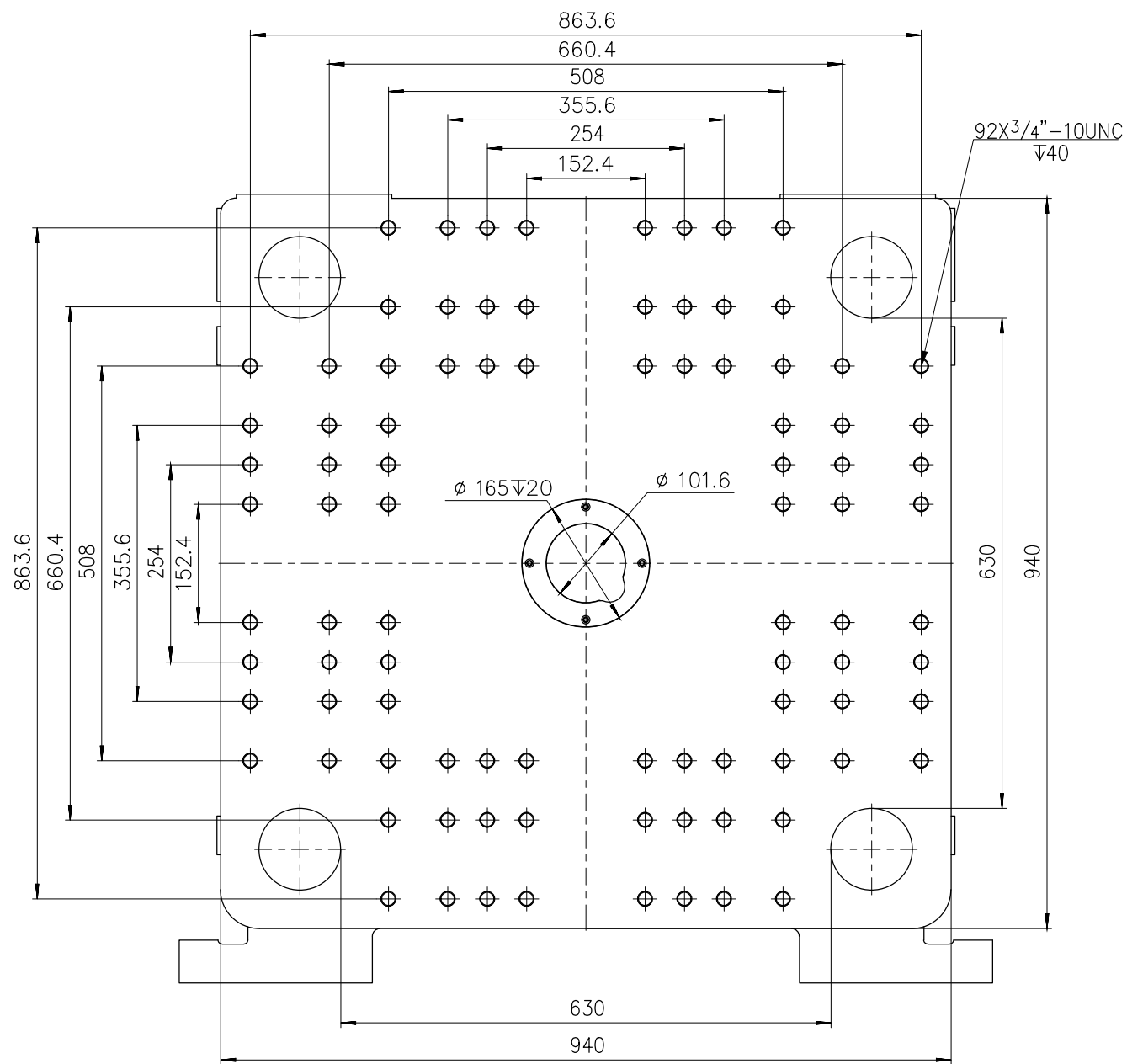
MA2800V-1350

MARS 5 Series: Toggle Clamp Servo-Hydraulic

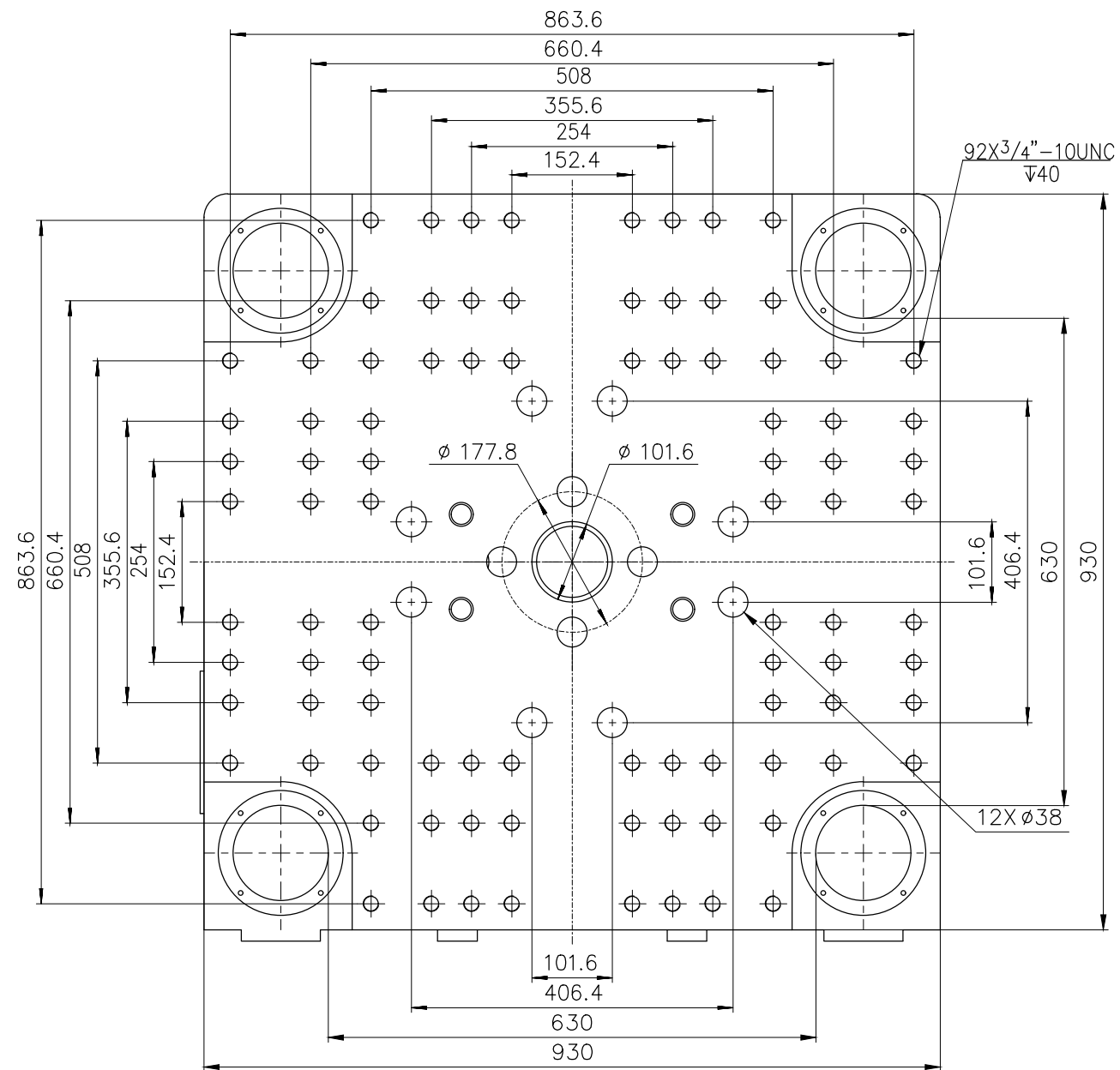
Other		
Pump Motor Power	kW	45
Heater Power	kW	22.55
Machine Dimension (LxWxH)	m	6.54x1.75x2.50
	in.	257x69x98
Machine Weight	t	11.3
	lbs.	24912
Hopper Capacity	kg	50
	lbs.	110
Oil Tank	l	400
	gal	106

***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 2800 Fixed & Moving Platens Drawing

Machine Model: MAV 2800
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:

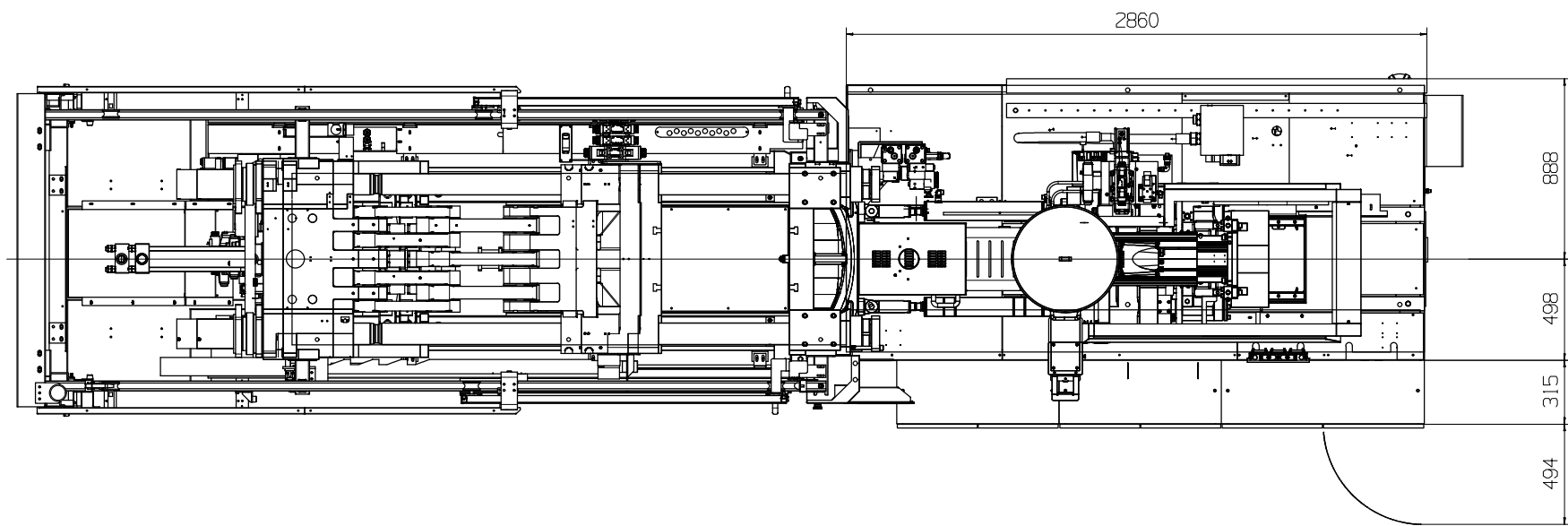
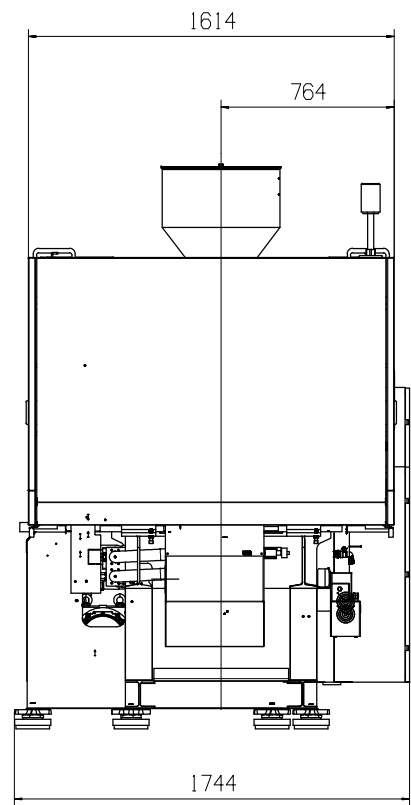
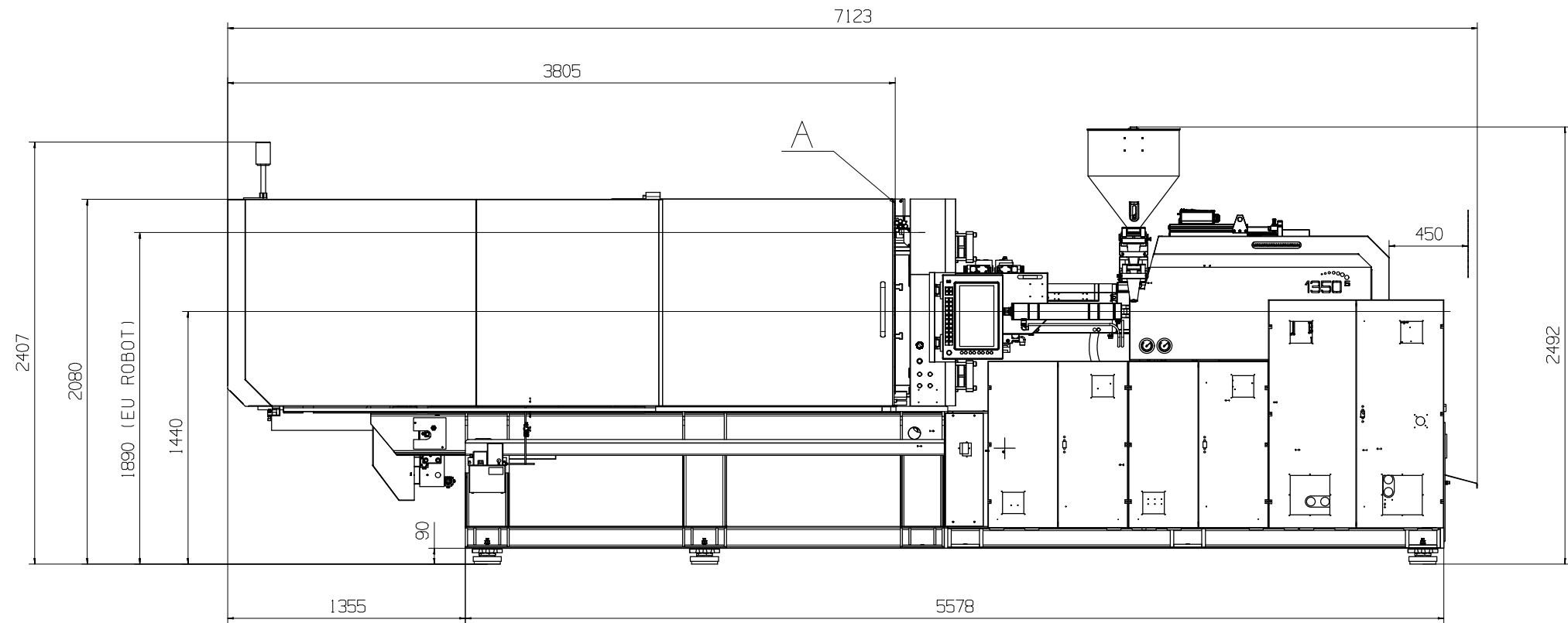
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility 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 2800 Layout Drawing

Machine Model: MA V 2800

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

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:

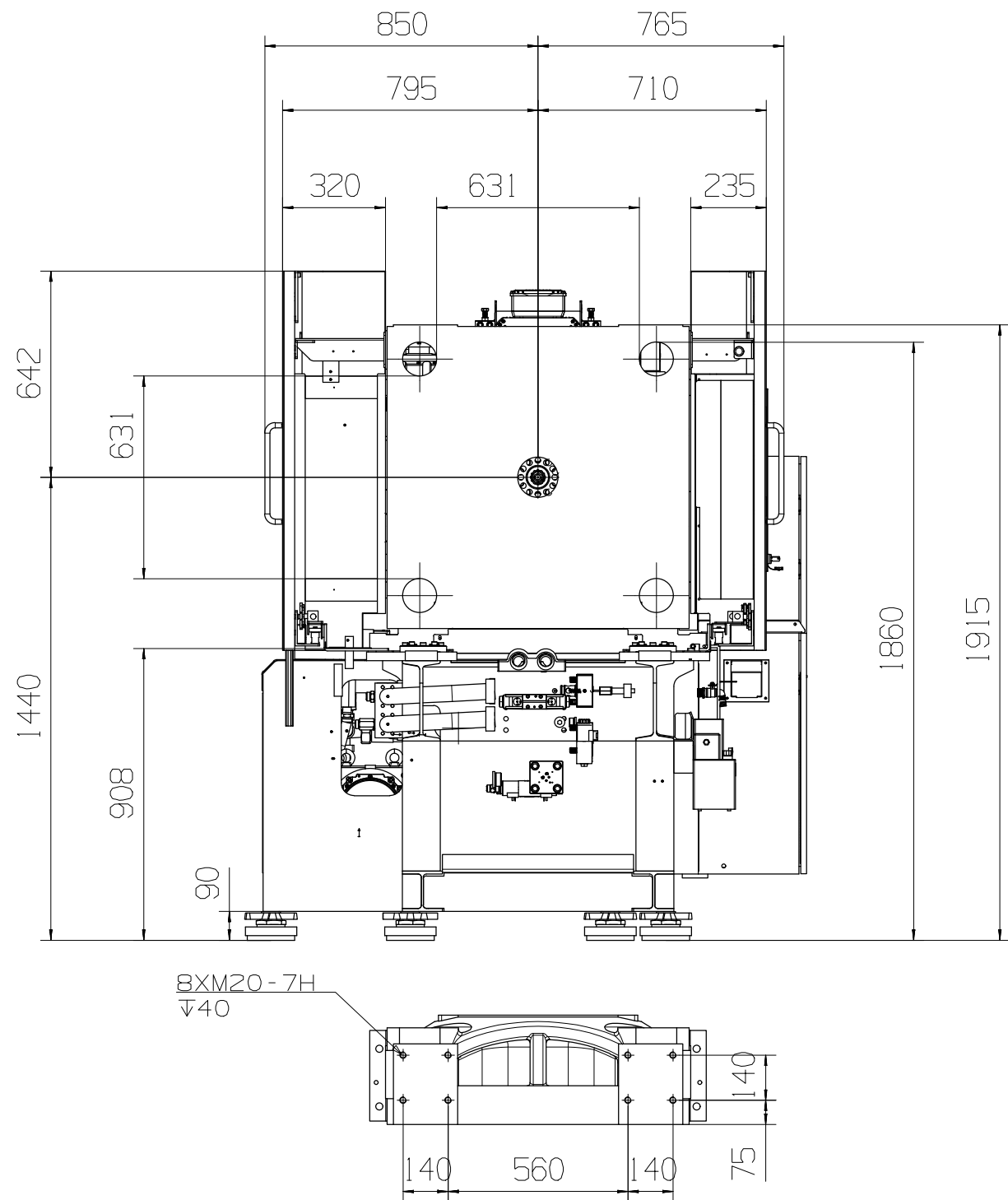
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Customer Approval:

Authorized Signature

Notes:



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

Title: MA V 2800 Robot Mounting Drawing

Machine Model: MA V 2800
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: