

Specification



ZE1200V-160

ZERES 5 Series: Electric with Integrated Hydraulics



Clamping Unit		ZE1200 V
Clamping Force	kN	1200
	US Tons	135
Mold Opening Stroke	mm	360
	in.	14.17
Minimum Mold Height	mm	150
	in.	5.91
Maximum Mold Height	mm	480
	in.	18.9
Maximum Daylight	mm	840
	in.	33.07
Distance Between Tie-Bars (HXV)	mm	470x470
	in.	18.5x18.5
Platen Dimensions (HXV)	mm	640x640
	in.	25.2x25.2
Minimum Mold Size	mm	305x305
	in.	12.01x12.01
Ejector Stroke	mm	100
	in.	3.94
Ejector Force	kN	33
	US Tons	4

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Other				
Connection Power	kW/A	160:14/24 160h:18/30 160hs:24/41		
Heating Power	kW	7.5	7.5	7.5
Machine Dimension	m	4.81x1.36x2.11		
	in.	189x54x83		
Machine Weight	t	4.78		
	lbs.	10538		
Hopper Capacity (OP)	l	15		
	gal	4		
Oil Pressure	MPa	17.5		
	psi	2538		
Oil Flow	l/min	48		
	gal/min	13		
Oil Tank	l	78		
	gal	21		

***NOTE:**

1. 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.
2. 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.

Specification

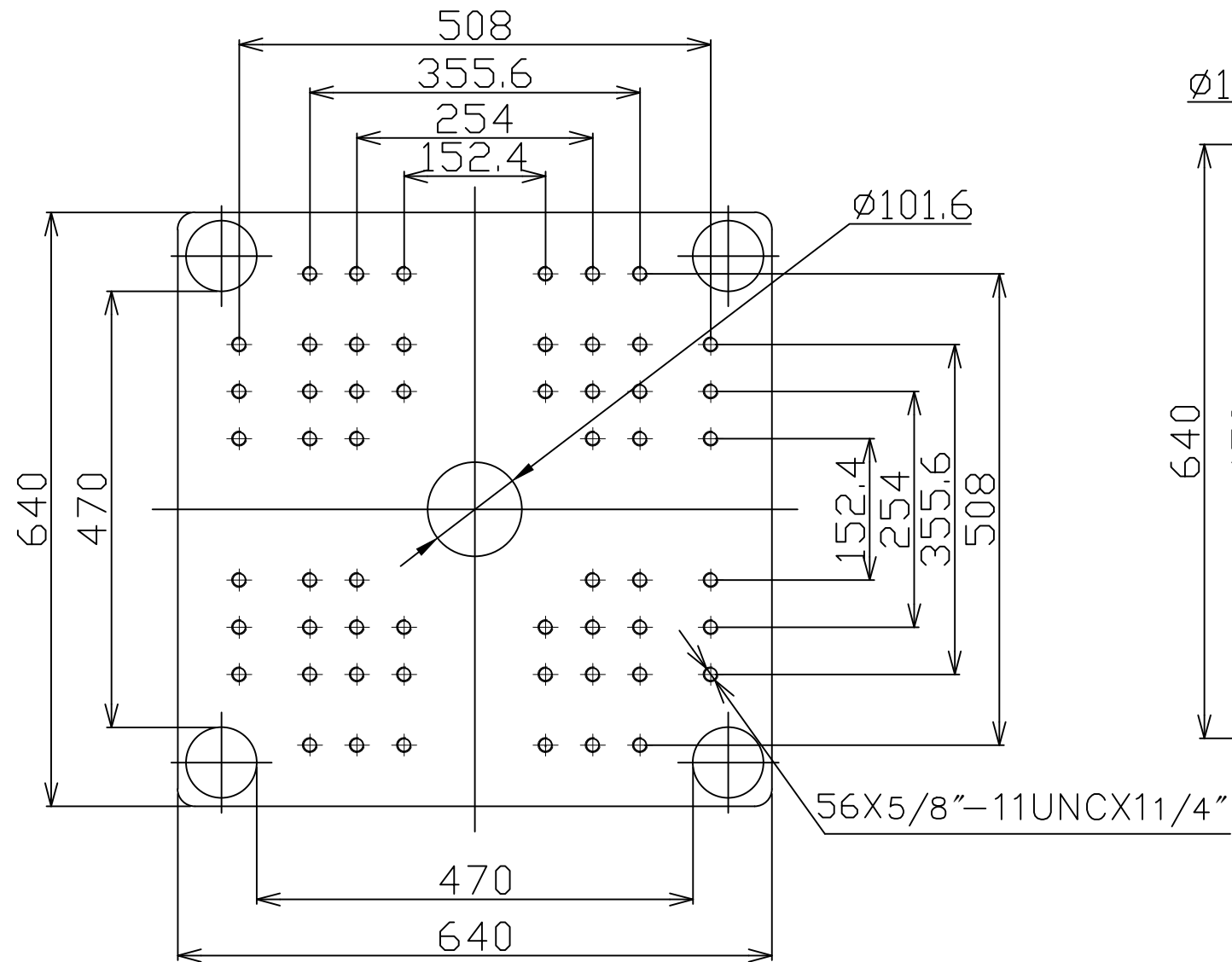


ZE1200V-160

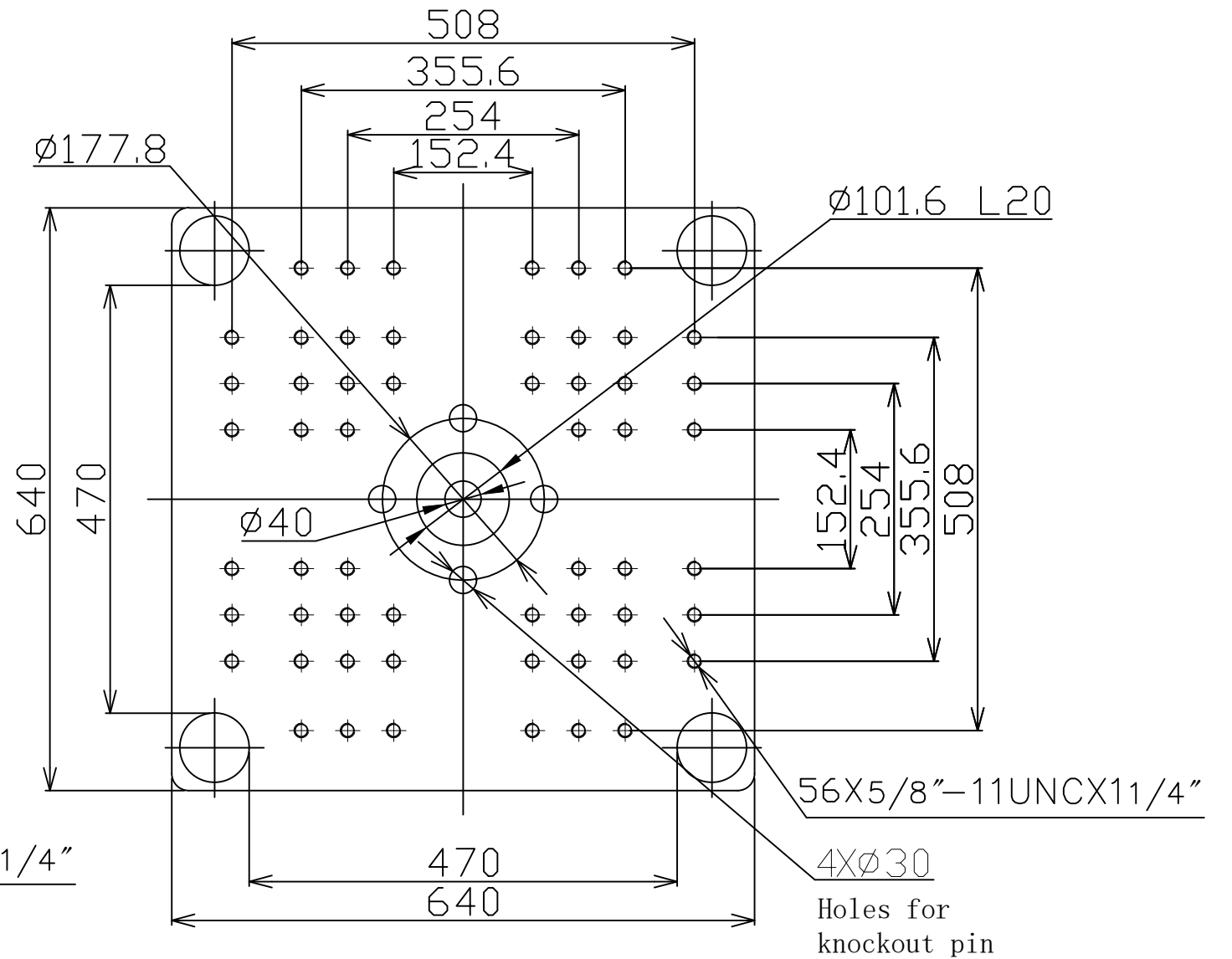
ZERES 5 Series: Electric with Integrated Hydraulics

Injection Unit		160		
Screw & Barrel Designation		A	B	C
Screw Diameter	mm	26	28	30
	in.	1.02	1.10	1.18
Screw L/D Ratio	L/D	22	21	19
Injection Volume (Theoretical)	cm ³	58	67	77
	cu.in.	3.54	4.09	4.70
Injection Weight (PS)	g	52	61	70
	oz.	1.83	2.15	2.47
Injection Pressure	MPa	260	220	192
	psi	37710	31908	27847
Holding Pressure	MPa	160	138	120
	psi	23206	20015	17405
Screw Speed	rpm	400	400	400
Plasticizing Rate (GPPS)	g/s	8.8	11	13
	oz./s	0.31	0.39	0.46
Nozzle Contact Force	kN	26	26	26
	US Tons	3	3	3
Injection Unit		160		
Injection Speed	mm/s	200		
	in./s	7.87		
Injection Rate (PS)	g/s	92	107	123
	oz./s	3.25	3.77	4.34
Injection Unit		160h		
Injection Speed	mm/s	350		
	in./s	13.78		
Injection Rate (PS)	g/s	162	188	216
	oz./s	5.71	6.63	7.62
Injection Unit		160hs		
Injection Speed	mm/s	500		
	in./s	19.69		
Injection Rate (PS)	g/s	231	268	308
	oz./s	8.15	9.45	10.86





Fixed Platen



Moving Platen



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

Title: ZE/VEV 1200 Fixed & Moving Platens Drawing

Machine Model: ZE/VEV 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:

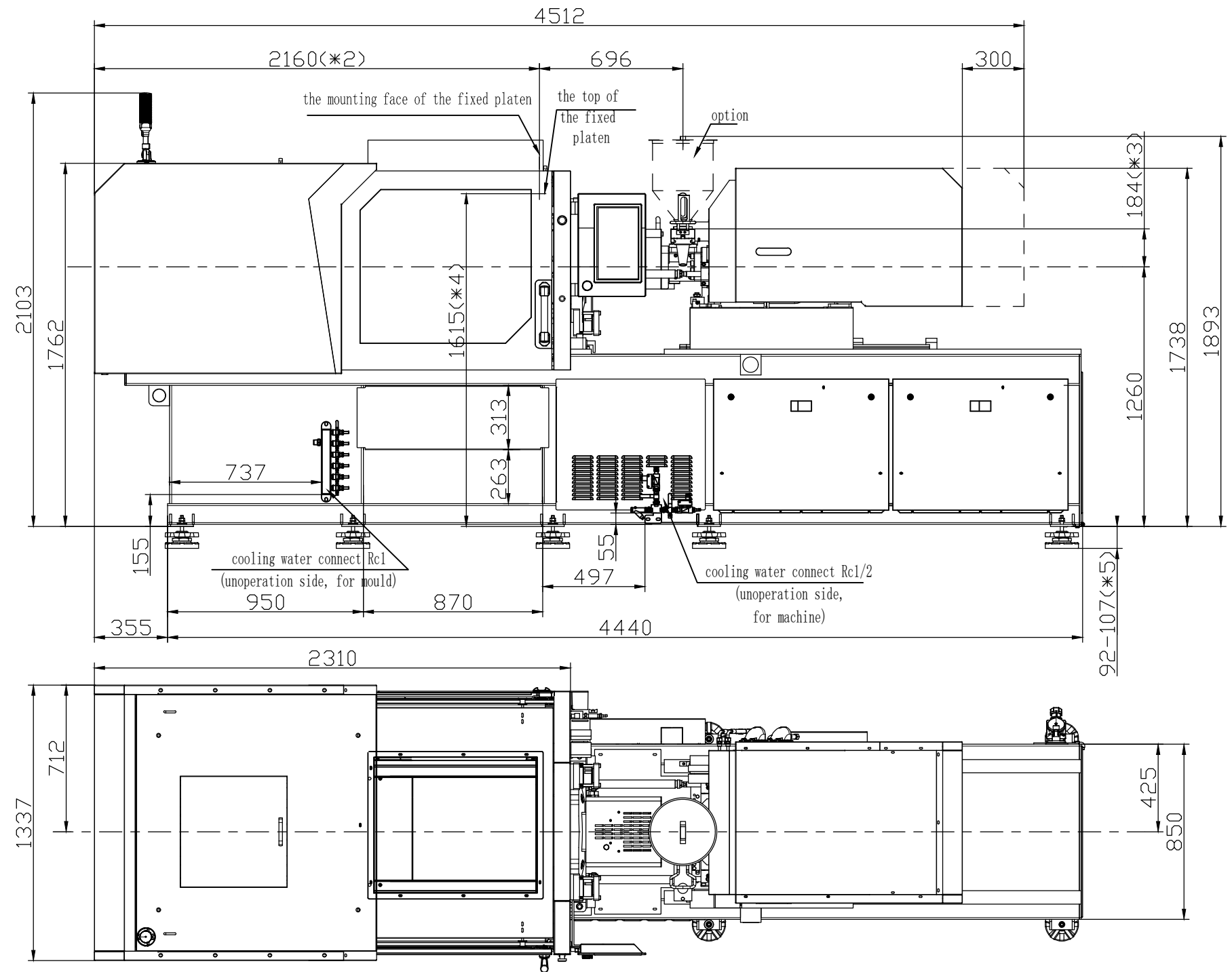
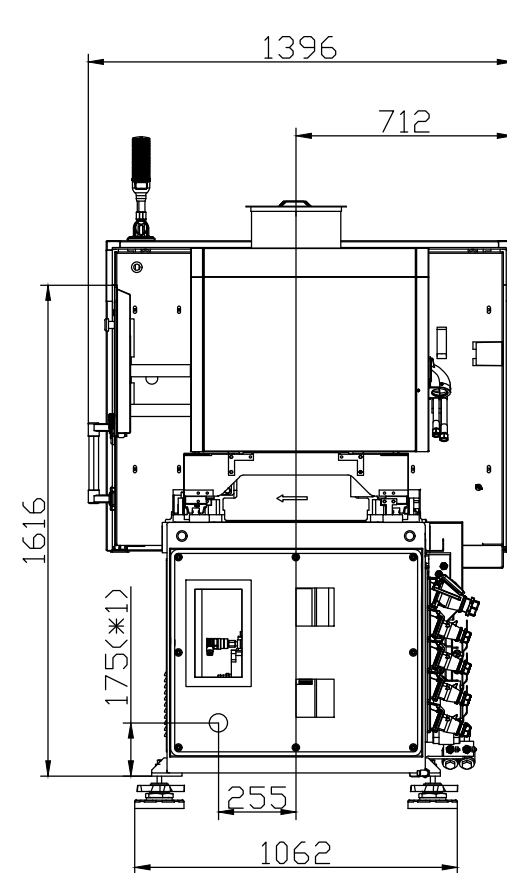
The designs on this drawing were validated using machine manufacturer's drawings and/or information supplied by Absolute or the customer. It is the responsibility of the customer to review and confirm that all dimensions are consistent with the application intended and in accordance with the facility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



- *1 Power in
Current and Power Cable are shown
in the Main Power Supply Circuit
- *2 To the mounting face of the
fixed platen
- *3 To the face of Hopper fixing platform
- *4 To the top of the fixed platen
- *5 Vibration dumping support



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

Title: ZE V 1200-160 Layout Drawing

Machine Model: ZE V 1200-160

Machine Serial Number:

Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry

Date: 3/22/2024

Chkd By: LEON XIE

Date: 3/22/2024

NOT TO SCALE

Size: 11 X 17 "B"

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

PLEASE READ:

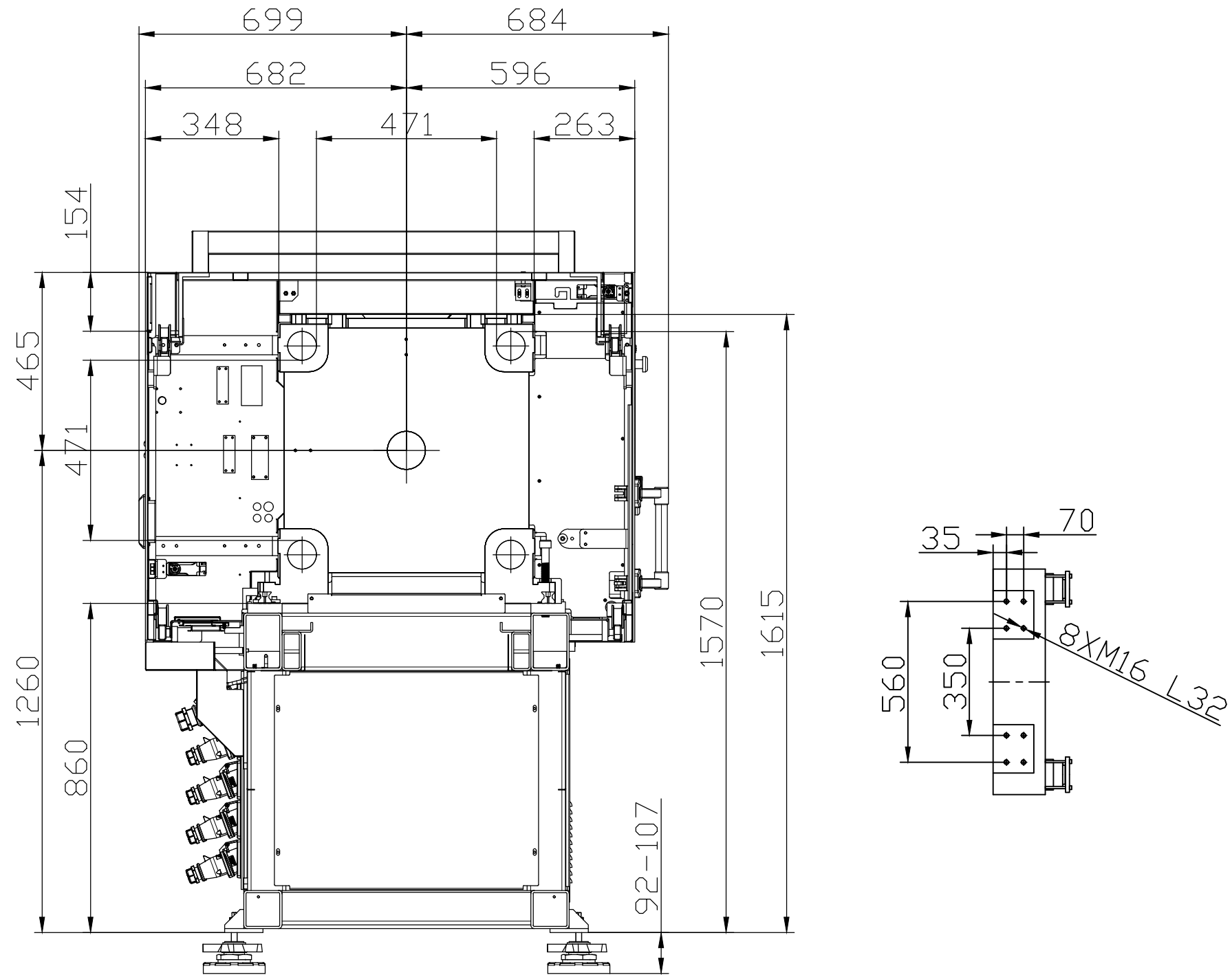
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Customer:

Customer Approval:

Authorized Signature

Notes:



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

Title: ZE V 1200 Robot Mounting Drawing

Machine Model: ZE 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

Rev #: 2

Rev #: 3

Rev #: 4

Rev #: 5

Units: mm / [in]

Material:

Part:

Part:

Part:

Part:

Part:

PLEASE READ:

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Customer:

Customer Approval:

Authorized Signature

Notes: