

Specification



ZE13800V-6700

ZERES 5 Series: Electric with Integrated Hydraulics



Clamping Unit		ZE13800 V
Clamping Force	kN	13800
	US Tons	1551
Mold Opening Stroke	mm	1500
	in.	59.06
Minimum Mold Height	mm	650
	in.	25.59
Maximum Mold Height	mm	1300
	in.	51.18
Maximum Daylight	mm	2800
	in.	110.24
Distance Between Tie-Bars (HXV)	mm	1550x1450
	in.	61.02x57.09
Platen Dimensions (HXV)	mm	2150x2050
	in.	84.65x80.71
Minimum Mold Size	mm	1030x970
	in.	40.55x38.19
Ejector Stroke	mm	250
	in.	9.84
Ejector Force	kN	300
	US Tons	34

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Injection Unit		6700		
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	2989	3691	4466
	cu.in.	182.40	225.24	272.53
Injection Weight (PS)	g	2720	3359	4064
	oz.	95.95	118.49	143.35
Injection Pressure	MPa	222	180	149
	psi	32198	26107	21611
Holding Pressure	MPa	200	162	133
	psi	29008	23496	19290
Screw Speed	rpm	170	170	170
Plasticizing Rate (GPPS)	g/s	103	127	150
	oz./s	3.63	4.48	5.29
Nozzle Contact Force	kN	85	85	85
	US Tons	10	10	10
Injection Unit		6700		
Injection Speed	mm/s	150		
	in./s	5.91		
Injection Rate (PS)	g/s	833	1029	1245
	oz./s	29.38	36.30	43.92

Specification



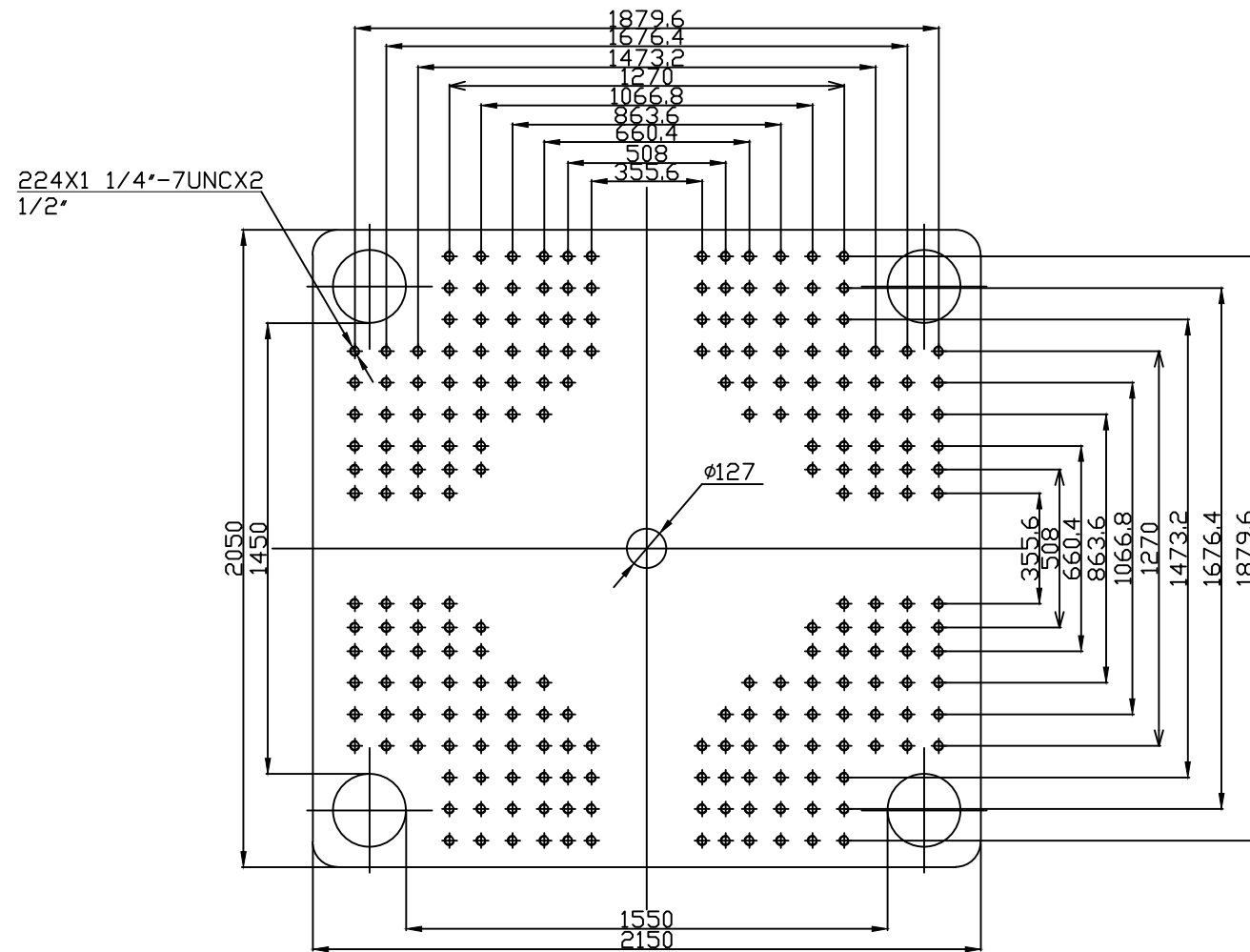
ZE13800V-6700

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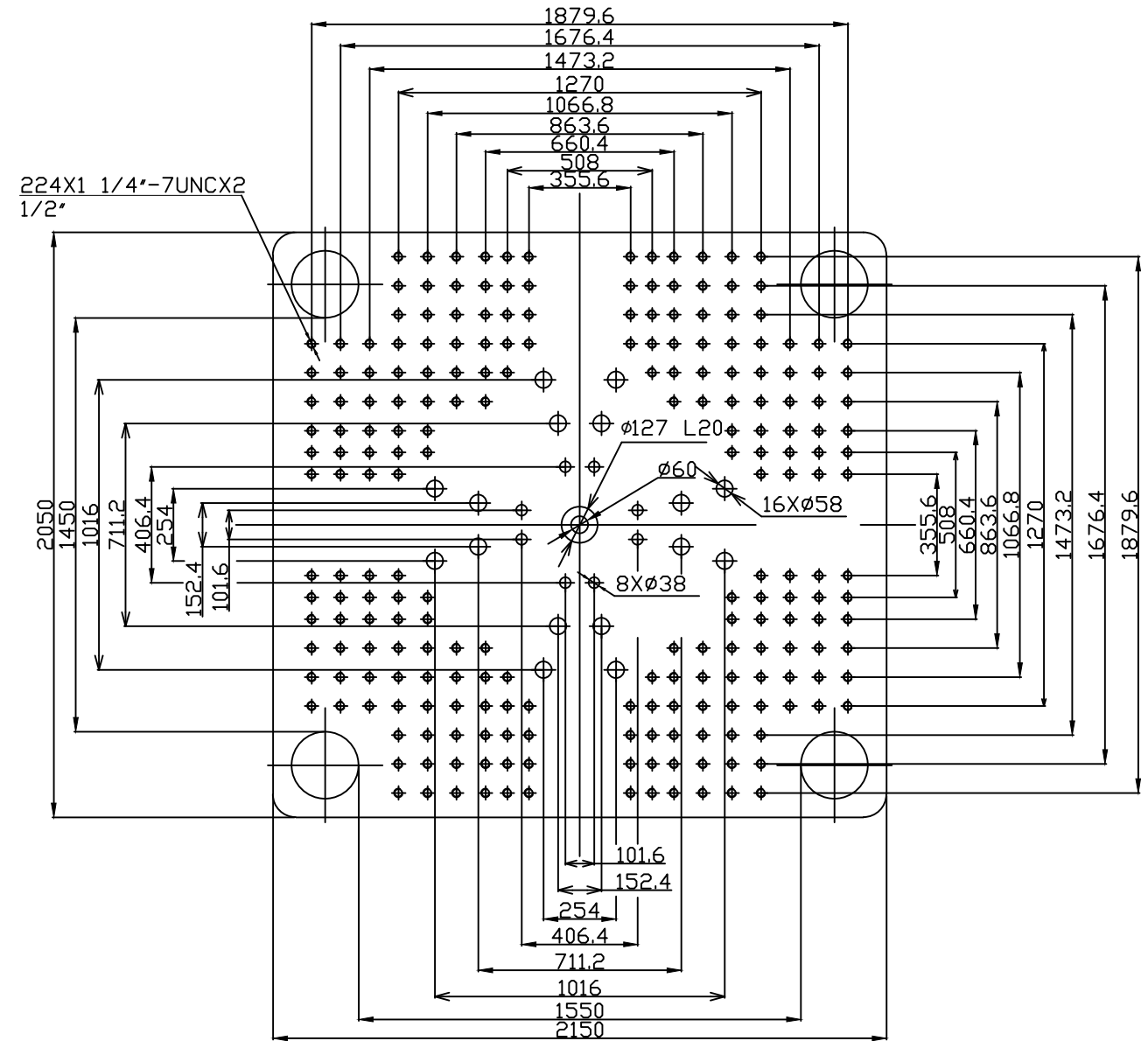
Other		
Connection Power	kW/A	126/211
Heating Power	kW	75.6
Machine Dimension	m	12.72x3.31x3.05
	in.	501x130x120
Machine Weight	t	91.7
	lbs.	202164
Hopper Capacity	l	100
	gal	26
Oil Pressure	MPa	21
	psi	3046
Oil Flow	l/min	333
	gal/min	88
Oil Tank	l	506
	gal	134

***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.



Fixed Platen



Moving Platen



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

Title: ZE/VEV 13800 Fixed & Moving Platens Drawing

Machine Model: ZE/VEV 13800
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 #:	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:

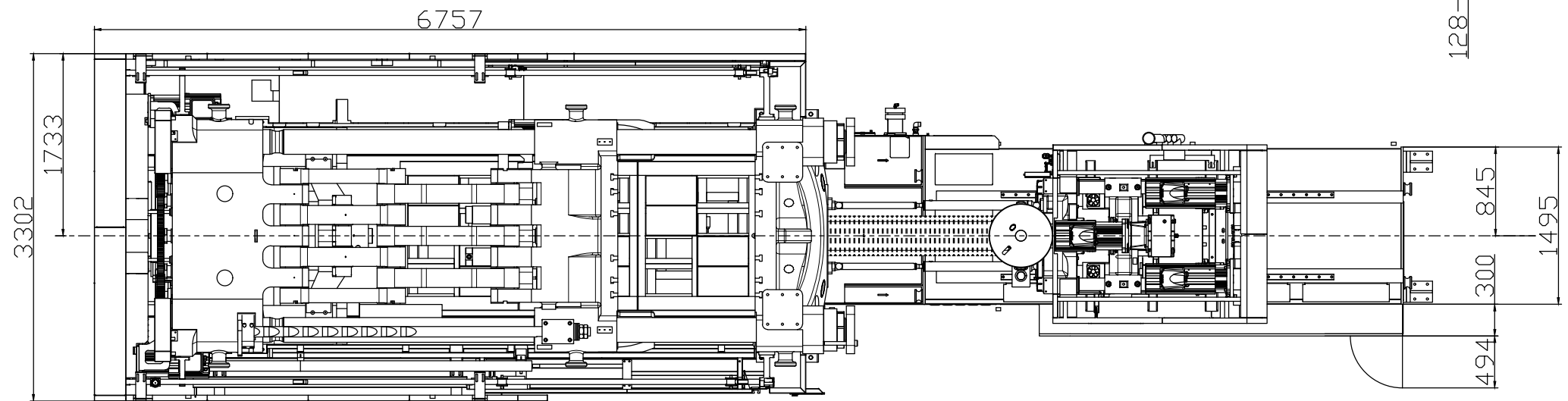
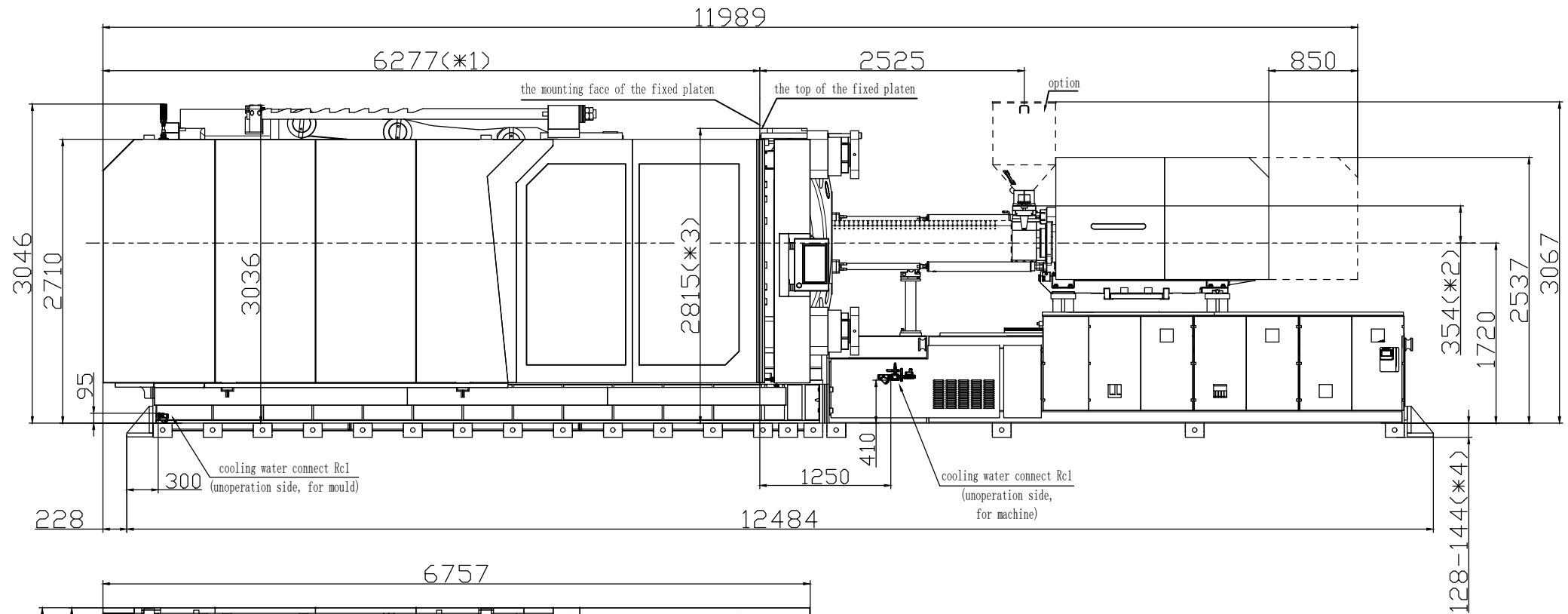
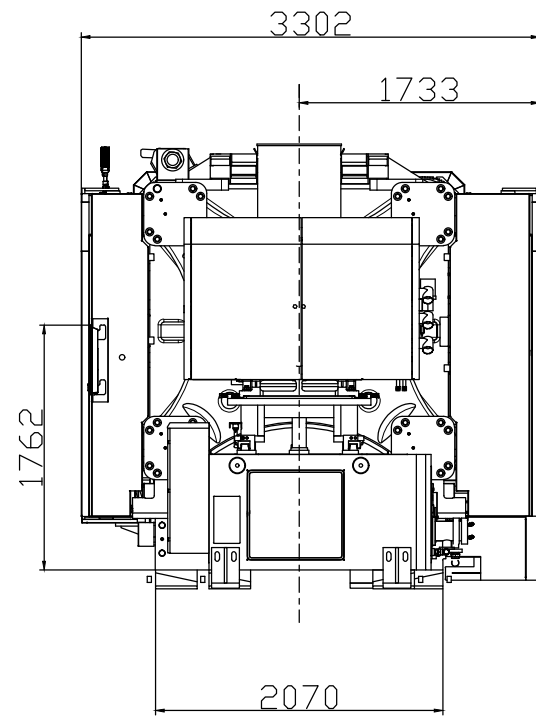
PLEASE READ:

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:



- *1 To the mounting face of the fixed platen
- *2 To the face of Hopper fixing platform
- *3 To the top of the fixed platen
- *4 Vibration dumping support



Absolute Haitian Corporation
 33 Southgate St. Worcester, MA
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Title: ZE V 13800-6700 Layout Drawing

Machine Model: ZE V 13800-6700
 Machine Serial Number:
 Machine Tonnage:

Sheet: 1 of 1

Drawn By: Harry Date: 3/22/2024
 Chkd By: LEON XIE Date: 3/22/2024

Revision Date: Drawing #: Layout

Rev #:		
Rev #:		
Rev #:		
Rev #:		
Rev #:		

NOT TO SCALE Size: 11 X 17 "B"

Units: mm / [in]

Material:
 Part:
 Part:
 Part:
 Part:

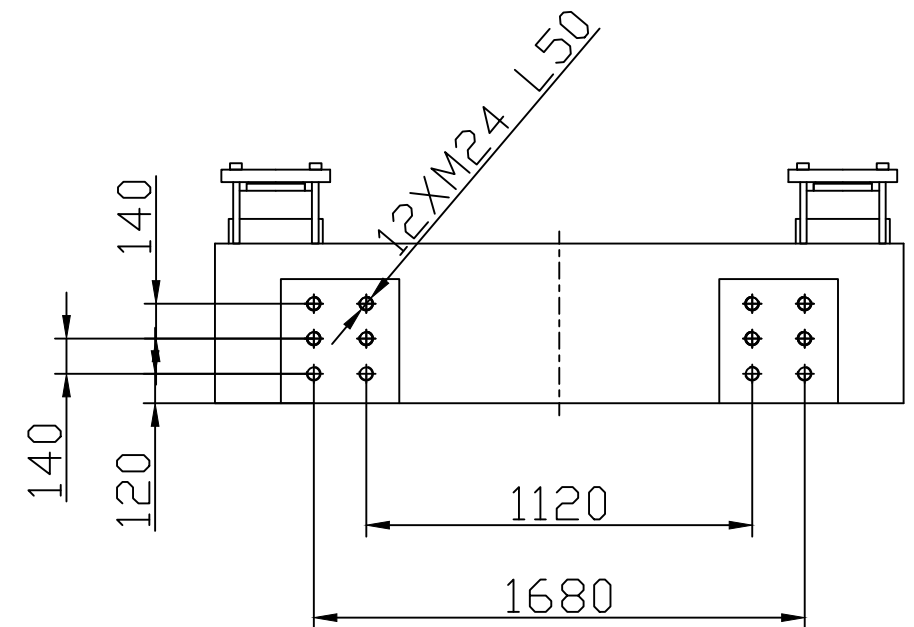
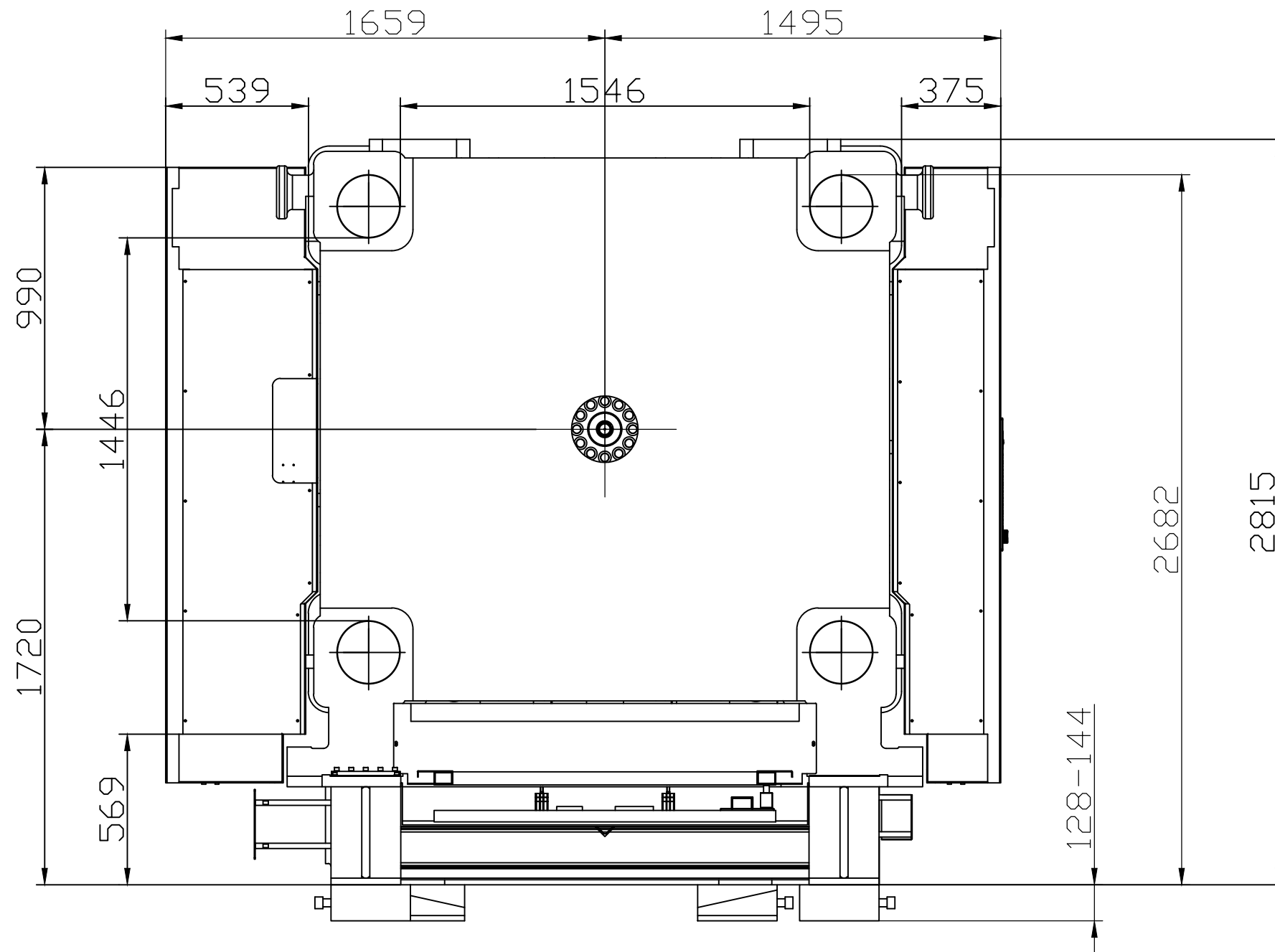
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Customer Approval:
 Authorized Signature

Notes:



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

Title: ZE V 13800 Robot Mounting Drawing

Machine Model: ZE V 13800
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

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:
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