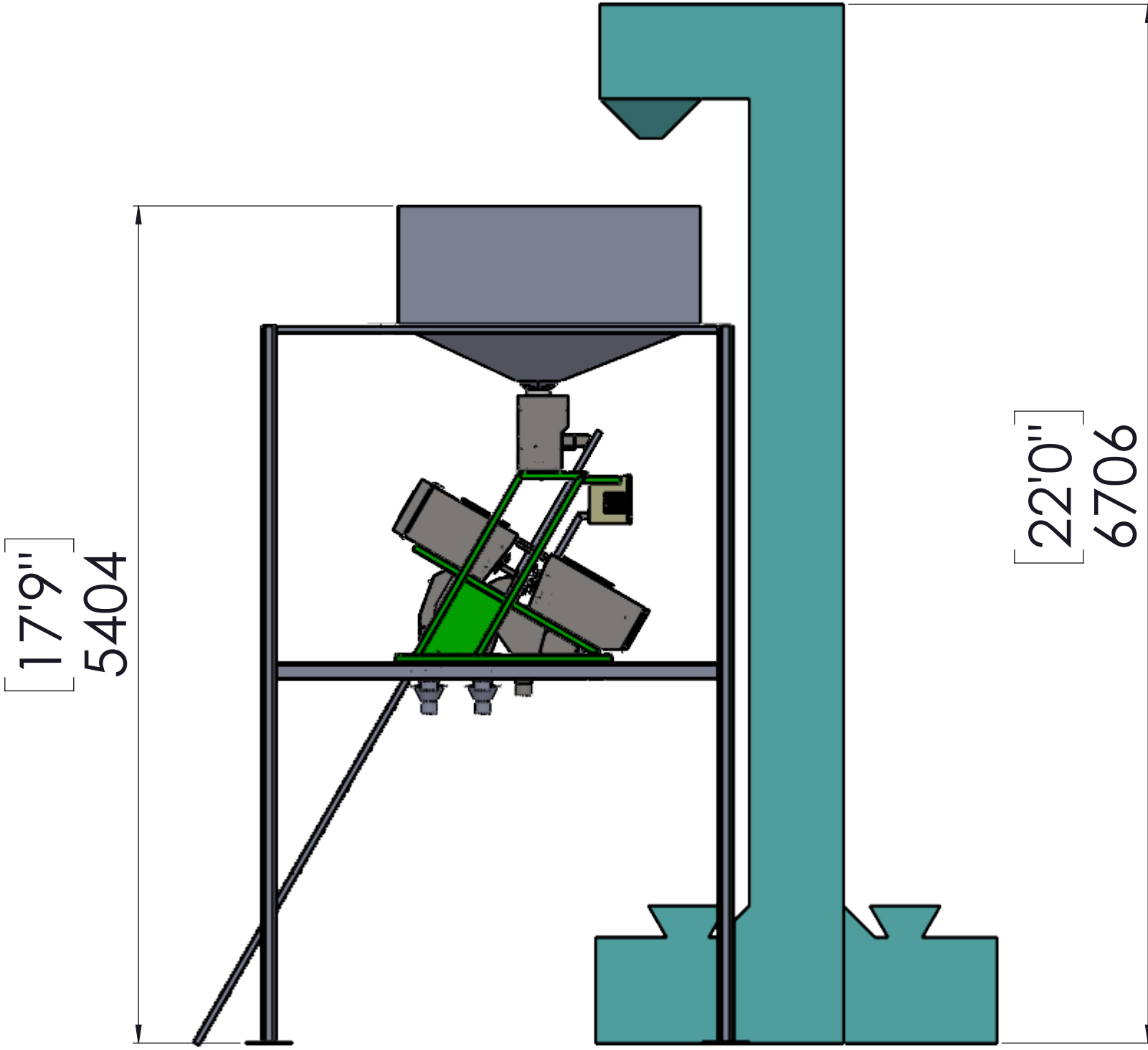
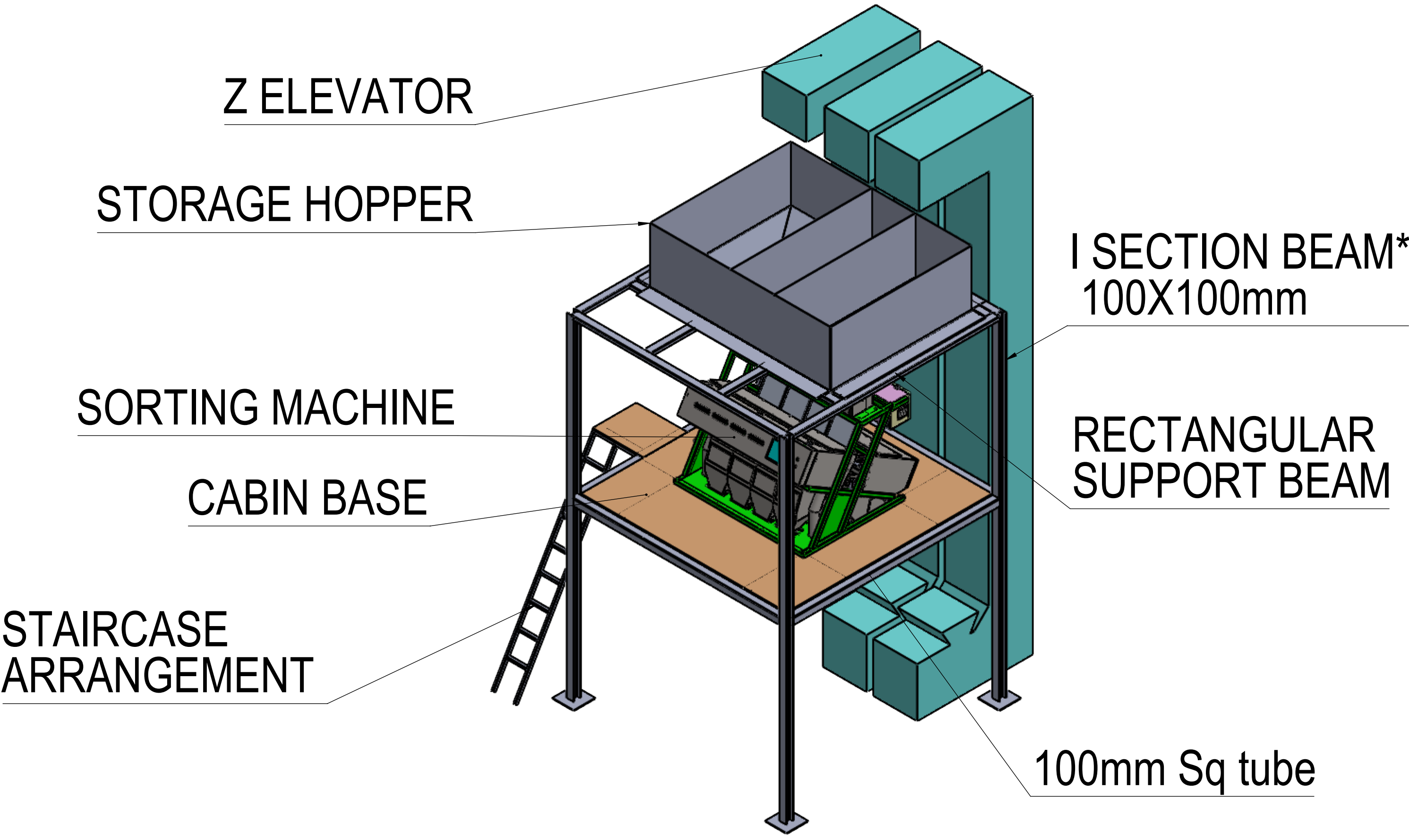
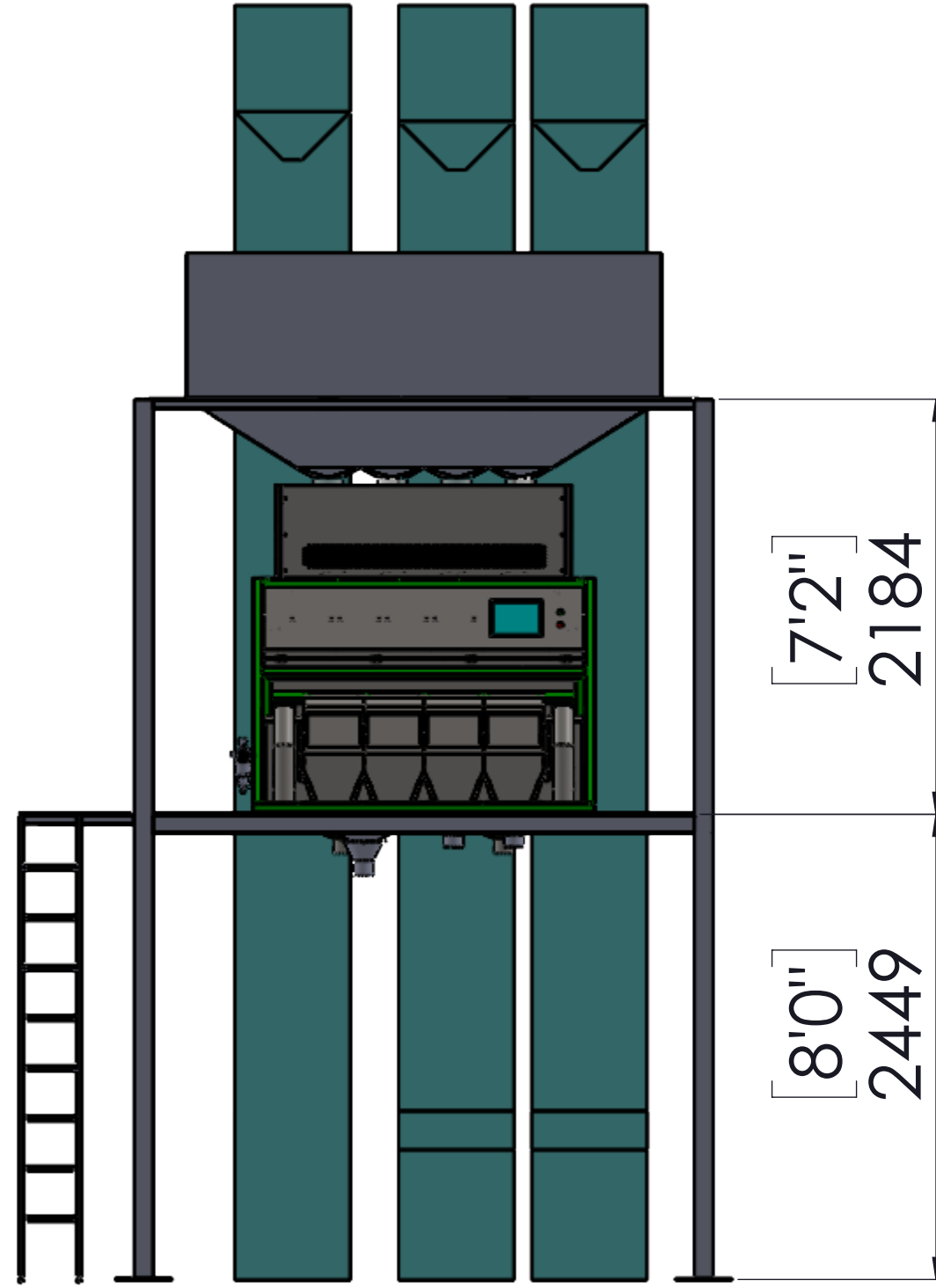
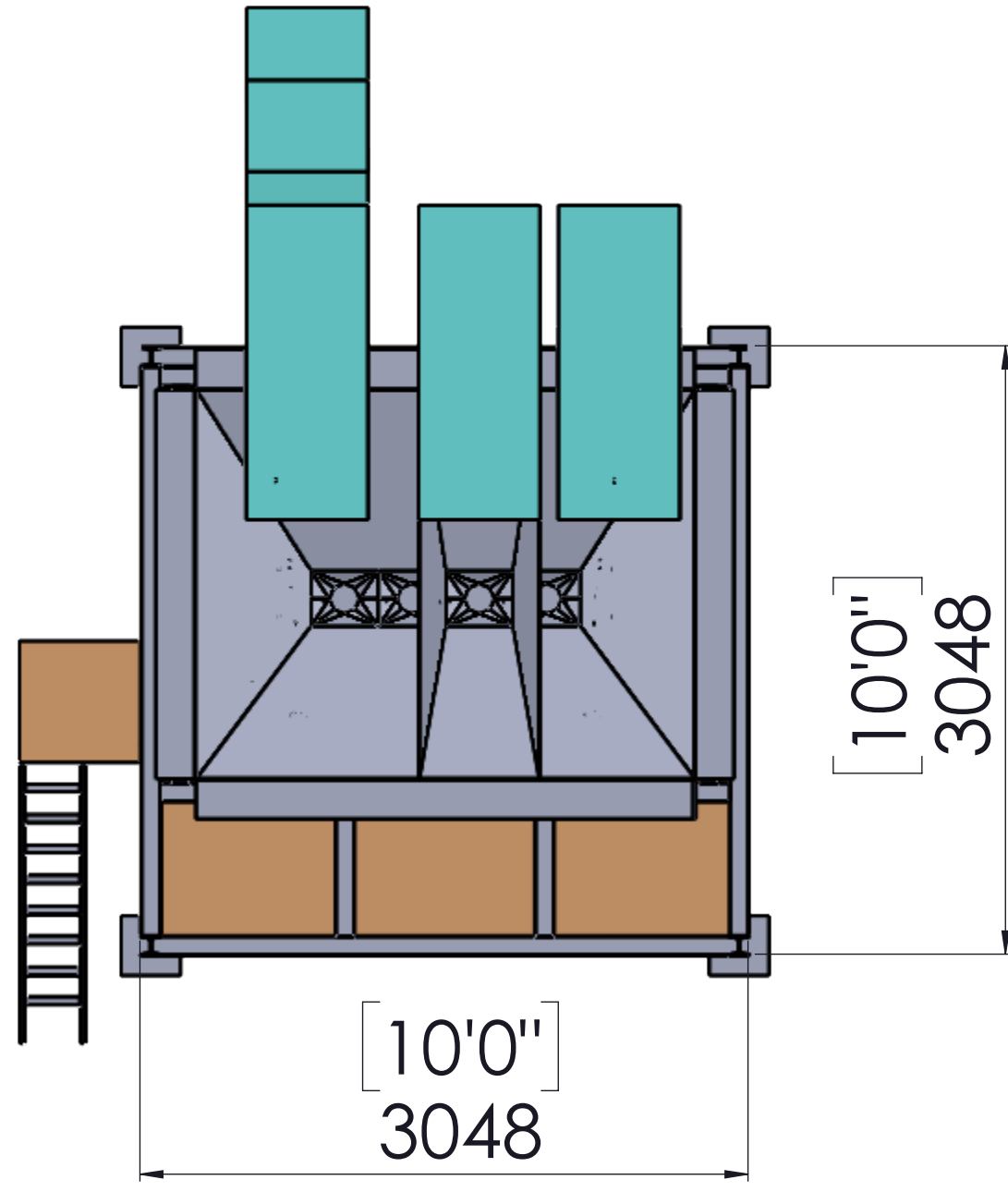


# CABIN ARRANGMENT



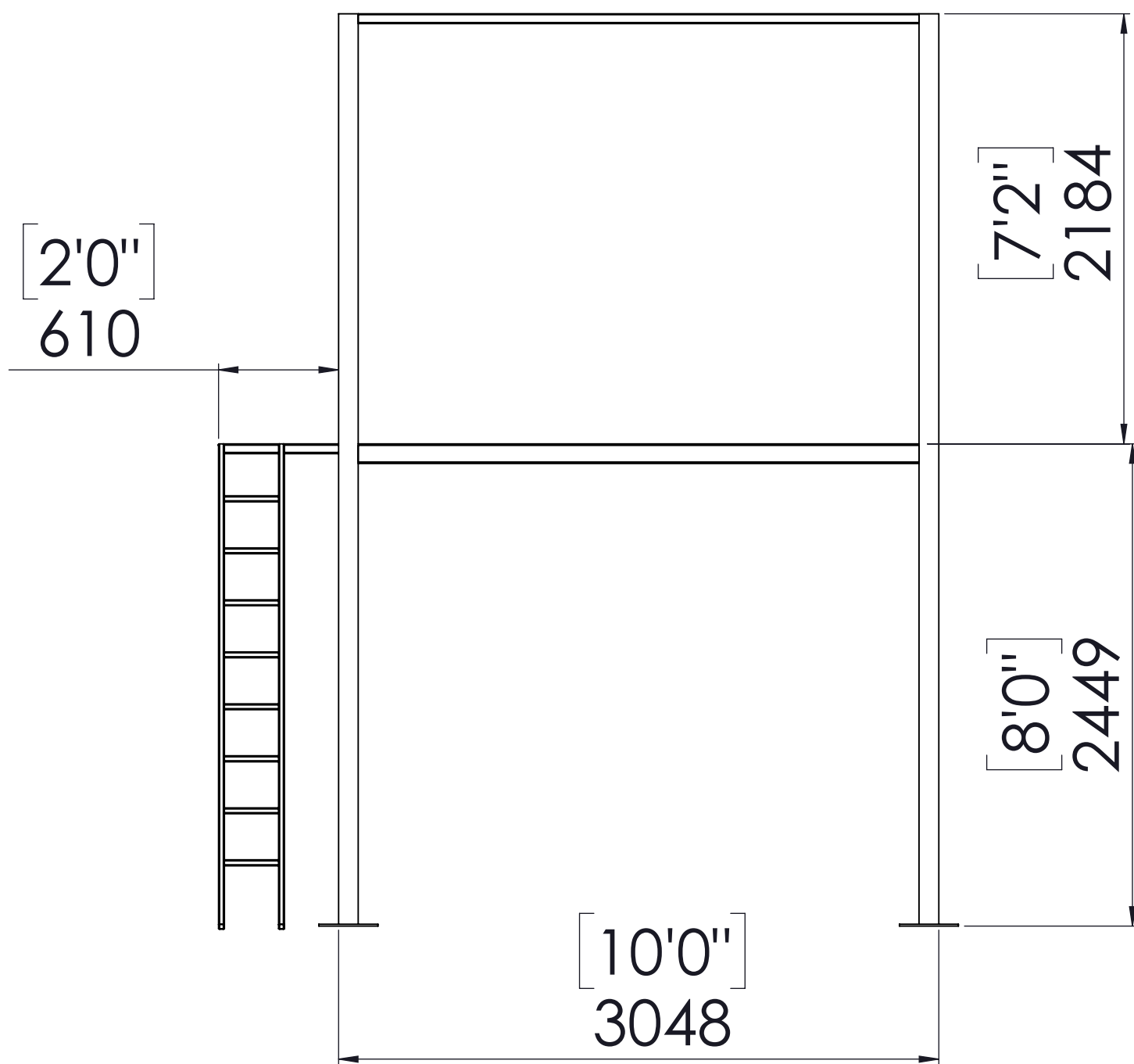
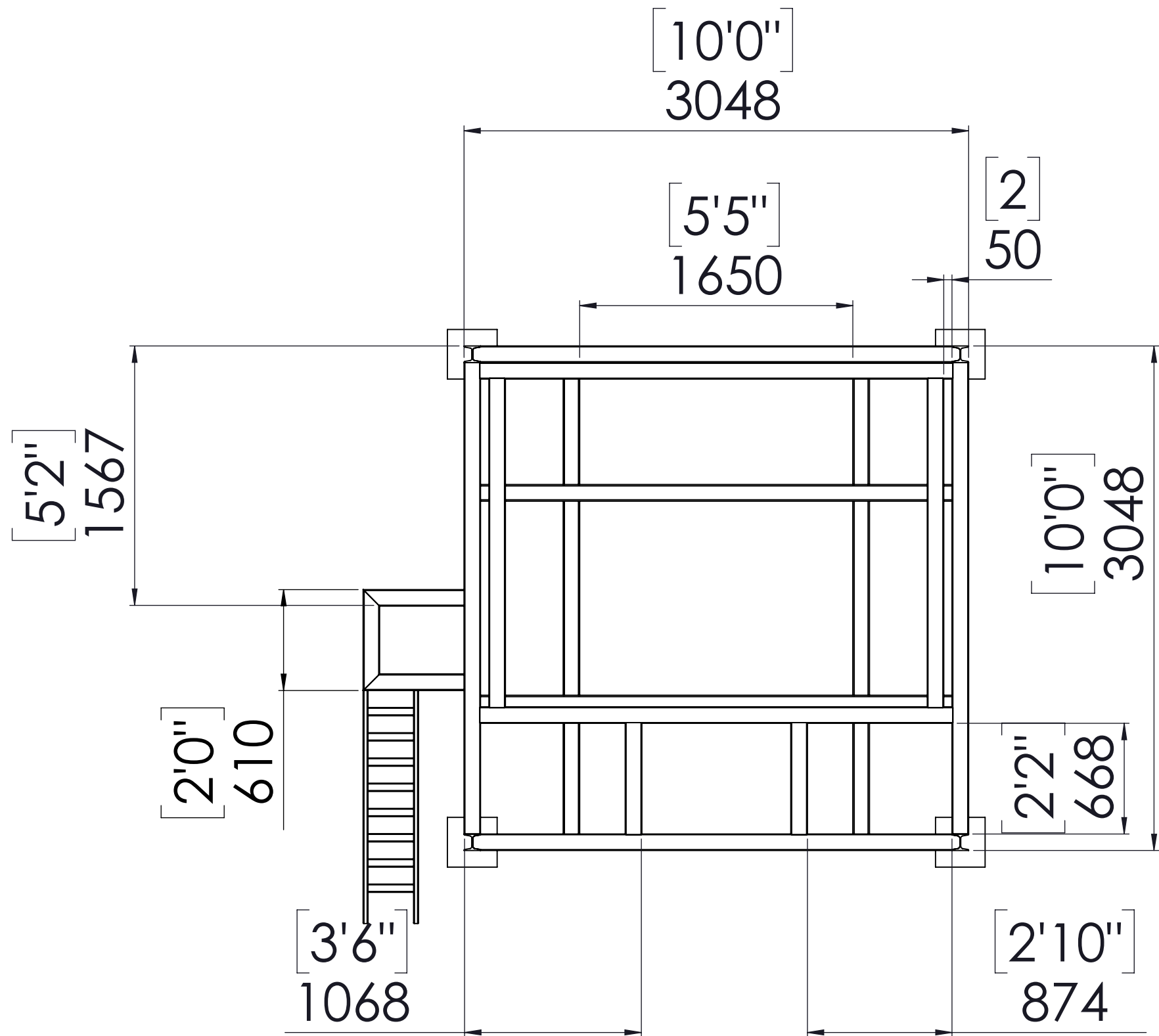
\*RECTANGULAR SECTION BEAMS  
CAN ALSO BE USED

NOTE: ALL PRIMARY DIMENTIONS ARE IN mm,  
AND ALL SECONDARY DIMENTIONS ARE  
IN FEET AND INCHES

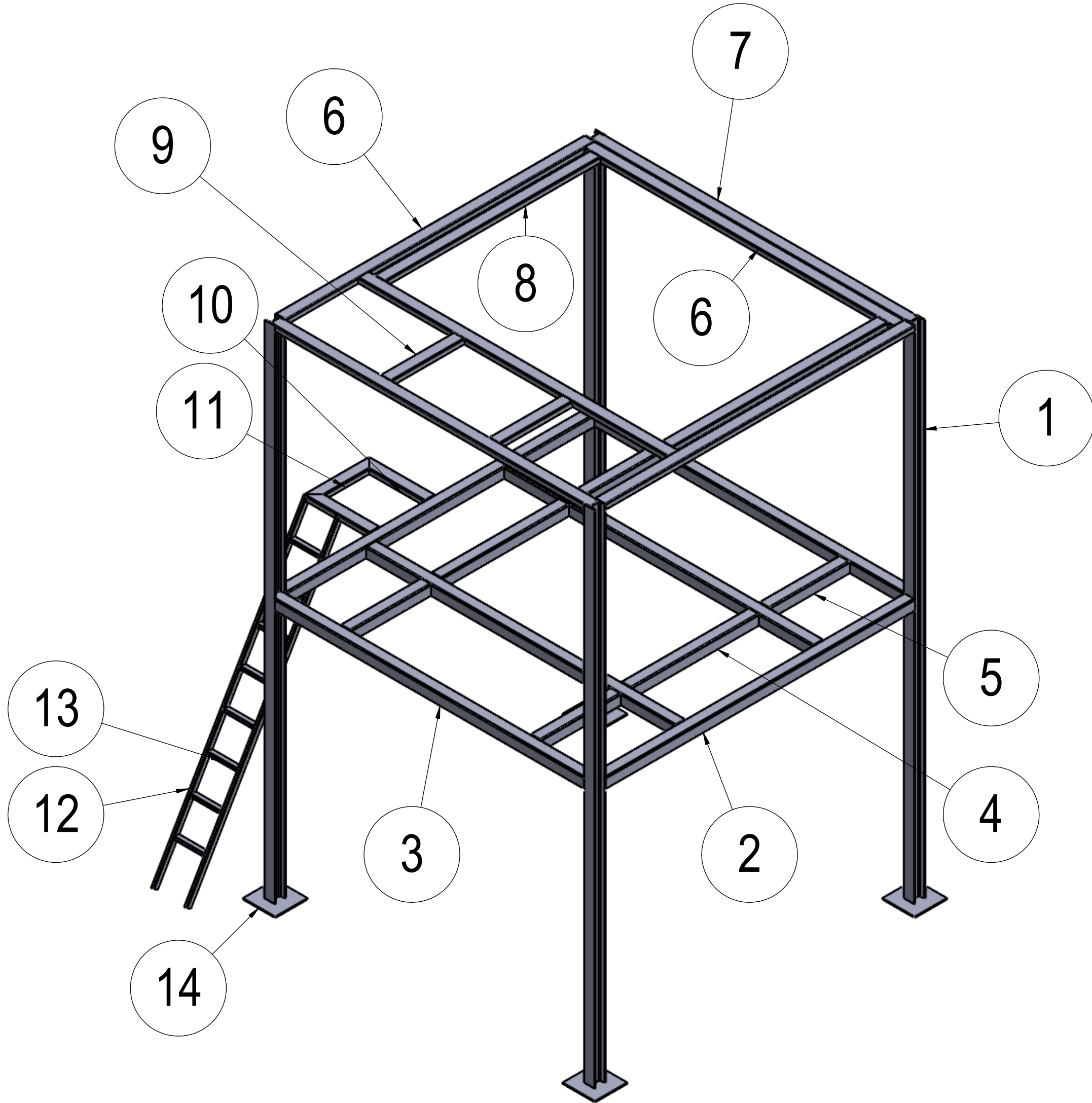
DO NOT SCALE DRAWING. CAD MATHEMATICAL DATA IS MASTER FOR THIS PART UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES UNLESS OTHERWISE SPECIFIED		REVISION AA NOTES: <b>NEW RELEASE</b>			
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				DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)	
				SHT 1	
				OF 13	
				SIZE D	
				SCALE 1:50	
				REVISION	
				AA	



# CABIN WELDMENT CUT LIST



ITEM NO.	Length in mm	Length in inch	Qty
100x100 - 6 thik mm - i channel 4x4 - 0.25 thik inch - i channel			
1	4622	182	4
100x100 - 5thik mm - Sq tube 4x4 - 0.25thik inch - Sq tube			
2	2848	112.1	4
3	2942	115.8	2
4	1173	46.2	2
5	737	29.0	4
100x50 - 5thik mm - Rec tube 4x2 - 0.25thik inch - Rec tube			
6	2848	112.1	4
7	2942	115.8	2
8	1980	78.0	2
9	668	26.3	2
10	610	24.0	2
11	610	24.0	1
50x25 - 3 thik mm - Rectangular pipe 2x1 - 0.12 thik inch - Rectangular pipe			
12	2816	97.0	2
13	275	10.83	8
Ms plate			
14	300x300x12	12x12x0.5	4



NOTE:THE STRUCTURE AND BOM SHOWN ABOVE ARE FOR REFERANCE PURPOSE ONLY, FABRICATION CAN BE DONE AS PER REQUIREMENT

DO NOT SCALE DRAWING. CAD MATHEMATICAL DATA IS MASTER FOR THIS PART UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES UNLESS OTHERWISE SPECIFIED		REVISION AA NOTES: <b>NEW RELEASE</b>	
UNSPECIFIED TOLERANCES ARE: LINEAR: $\pm 1.0\text{mm}$ ANGULAR: $\pm 0.5^\circ$		THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY INFORMATION OF Swan Sorter systems PVT.LTD. INDIA AND IS DISCLOSED IN CONFIDENCE. IT IS THE PROPERTY OF Swan Sorter systems PVT.LTD. AND SHALL NOT BE USED, DISCLOSED TO OTHERS OR REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF AN AUTHORIZED EMPLOYEE OF Swan Sorter systems PVT.LTD. IF WRITTEN CONSENT IS GIVEN BY Swan Sorter, FOR REPRODUCTION IN WHOLE OR IN PART, THIS NOTICE AND THE NOTICE SET FORTH ON EACH PAGE OF THIS DOCUMENT SHALL APPEAR IN ANY SUCH REPRODUCTION IN WHOLE OR IN PART. UNAUTHORIZED EXPORT IS PROHIBITED.	
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GEOMETRIC DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994		APPROVED BY: <b>Shijo</b> DATE: <b>26/12/2020</b> CHECKED BY: <b>Vinayaka</b> PREPARED BY: <b>Jayapradhaban</b>	
3D CAD FILE (SAP DOC # - TYPE - VERSION #)		THIRD ANGLE PROJECTION	
PART NAME (SAP 3D CAD DIR DESCRIPTION)		WEIGHT	
SHT <b>2</b>		OF <b>13</b>	
SIZE <b>D</b>		SCALE <b>1:50</b>	
REVISION		AA	

C

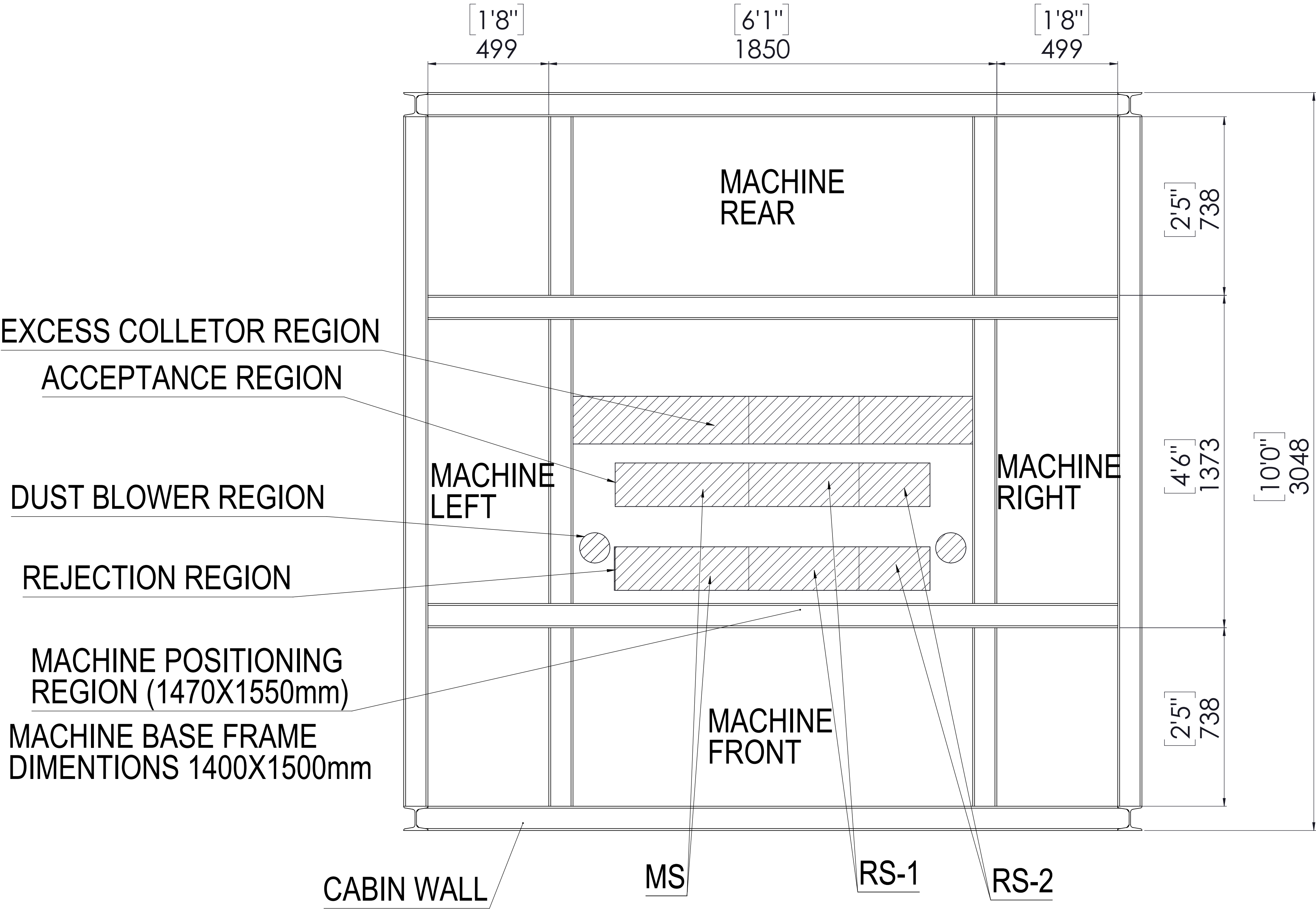
C

B

B

A

A



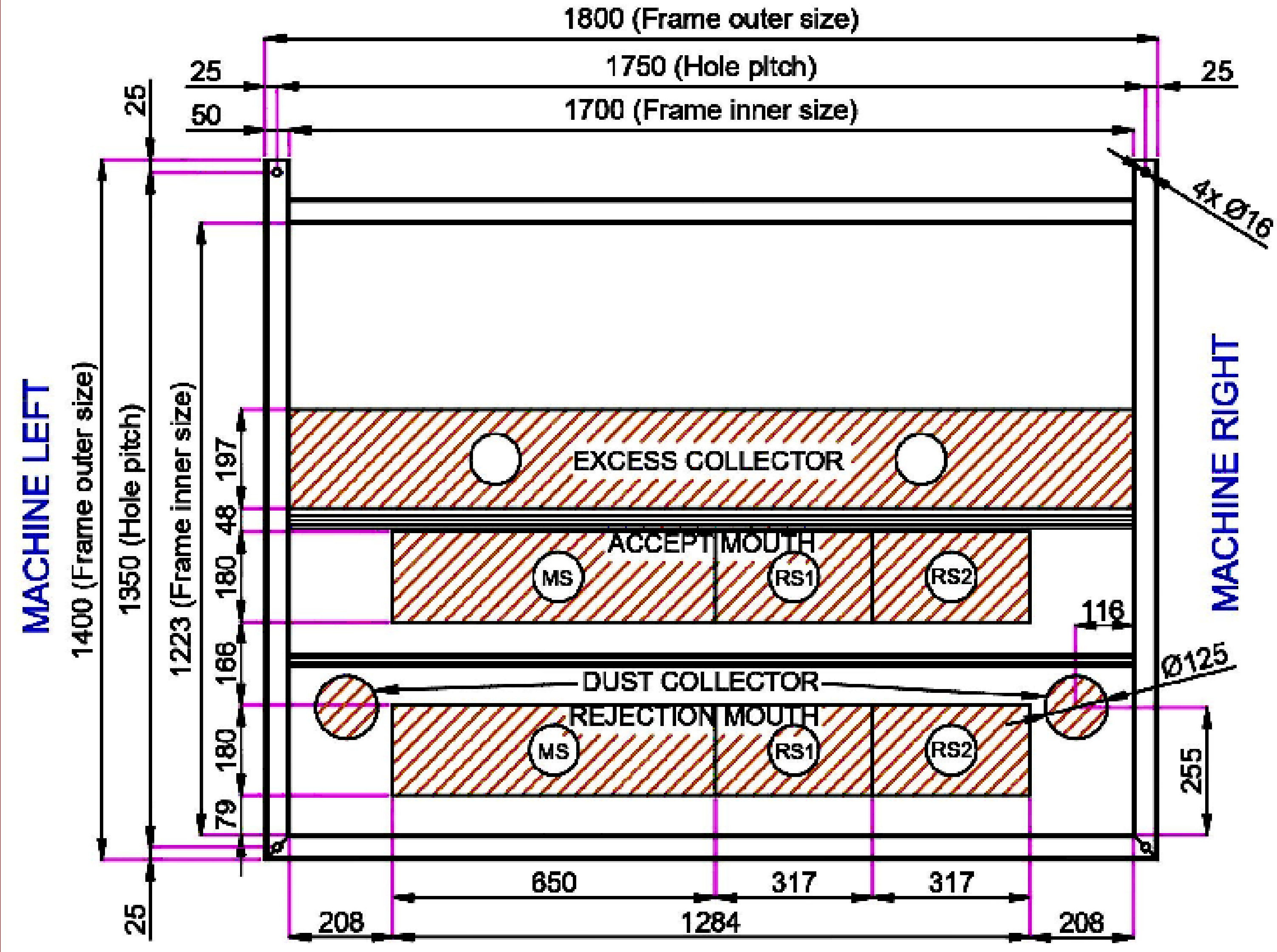
# CABIN BASE

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UNSPECIFIED TOLERANCES ARE: LINEAR: $\pm 1.0\text{mm}$ ANGULAR: $\pm 0.5^\circ$				THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY INFORMATION OF Swan Sorter systems PVT.LTD. INDIA AND IS DISCLOSED IN CONFIDENCE. IT IS THE PROPERTY OF Swan Sorter systems PVT.LTD. AND SHALL NOT BE USED, DISCLOSED TO OTHERS OR REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF AN AUTHORIZED EMPLOYEE OF Swan Sorter systems PVT.LTD. IF WRITTEN CONSENT IS GIVEN BY Swan Sorter, FOR REPRODUCTION IN WHOLE OR IN PART, THIS NOTICE AND THE NOTICE SET FORTH ON EACH PAGE OF THIS DOCUMENT SHALL APPEAR IN ANY SUCH REPRODUCTION IN WHOLE OR IN PART. UNAUTHORIZED EXPORT IS PROHIBITED.			
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GEOMETRIC DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994				Approved by : Shijo Checked by : Vinayaka Prepared by : Jayapradhaban		DATE 26/12/2020 3D CAD FILE (SAP DOC # - TYPE - VERSION #) THIRD ANGLE PROJECTION	
				PART NAME (SAP 3D CAD DIR DESCRIPTION)		WEIGHT DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)	
				SHT 3		OF 13	
				SIZE D		SCALE 1:50	
						REVISION AA	

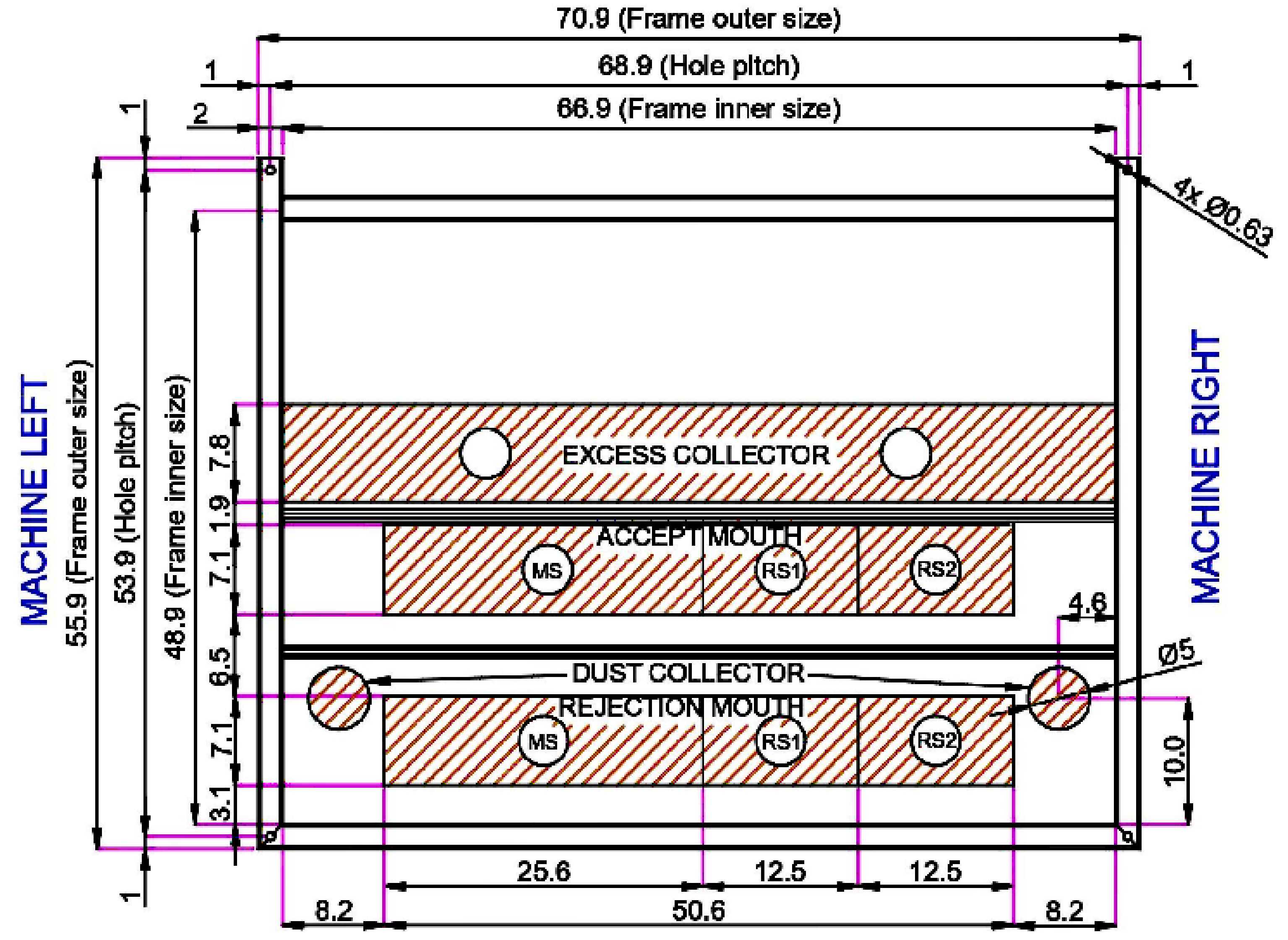


256 CHANNEL REVERSE MACHINE FRAME SIZE

DIMENSIONS IN MM  
MACHINE REAR

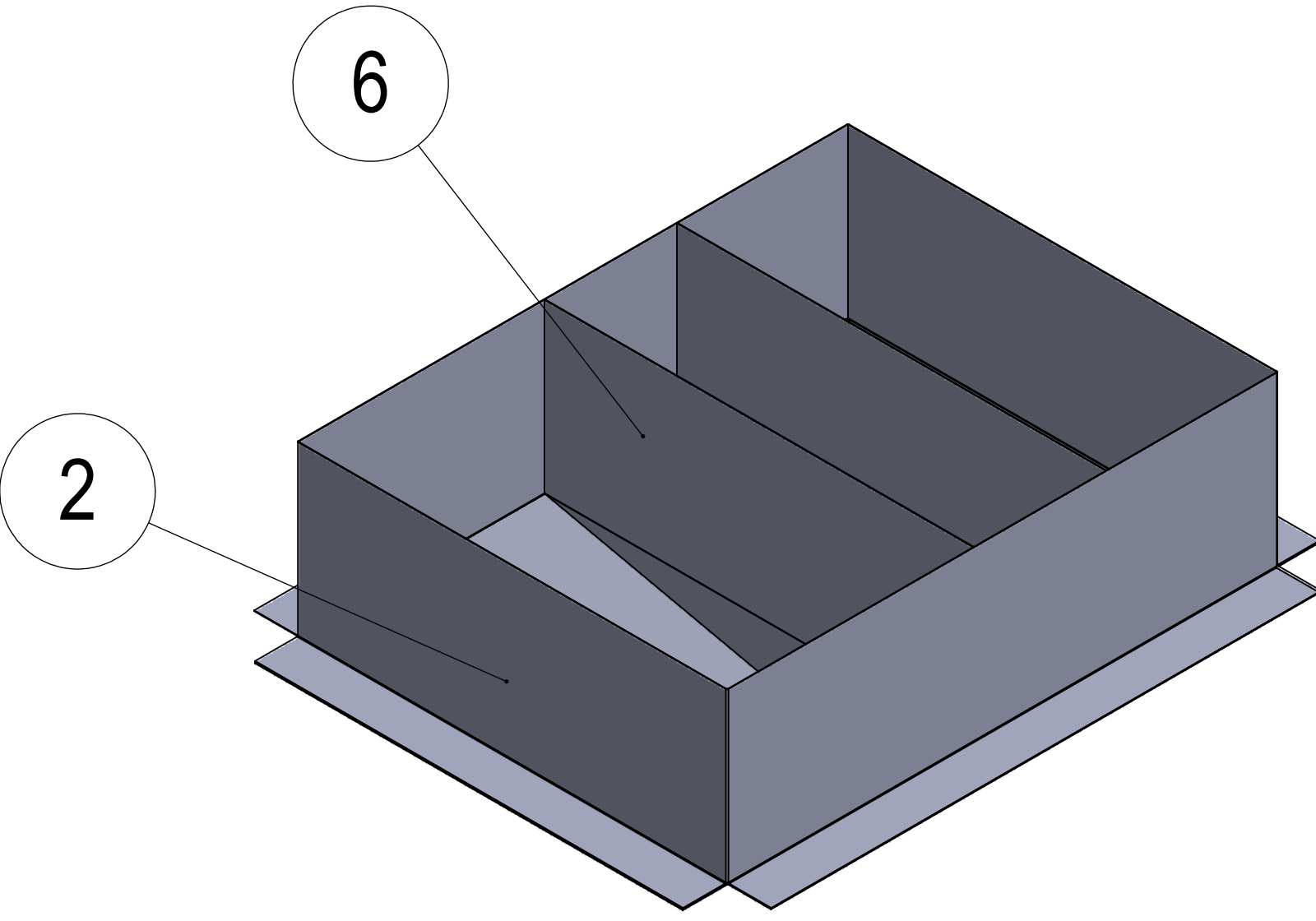
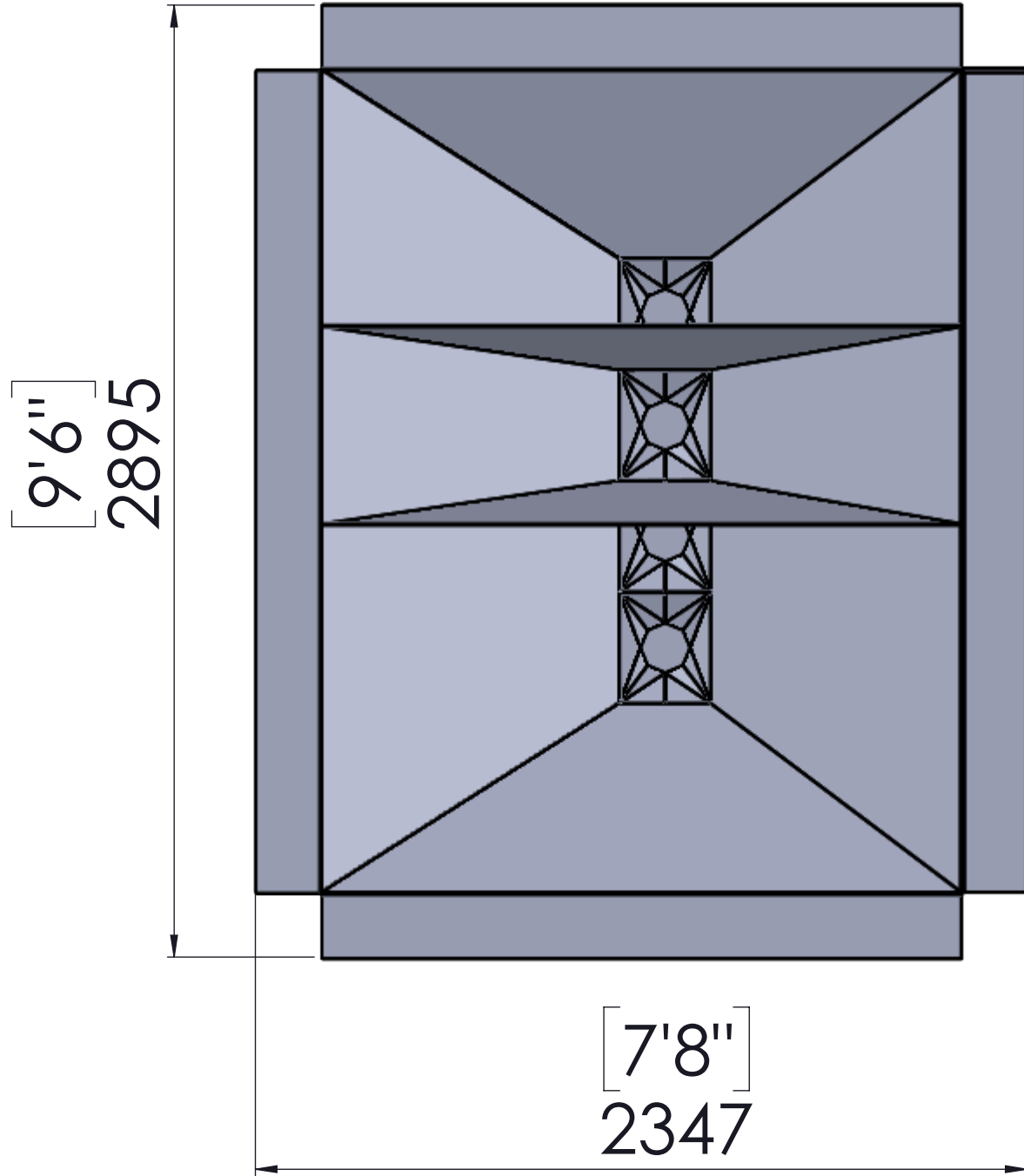


DIMENSIONS IN INCH  
MACHINE REAR

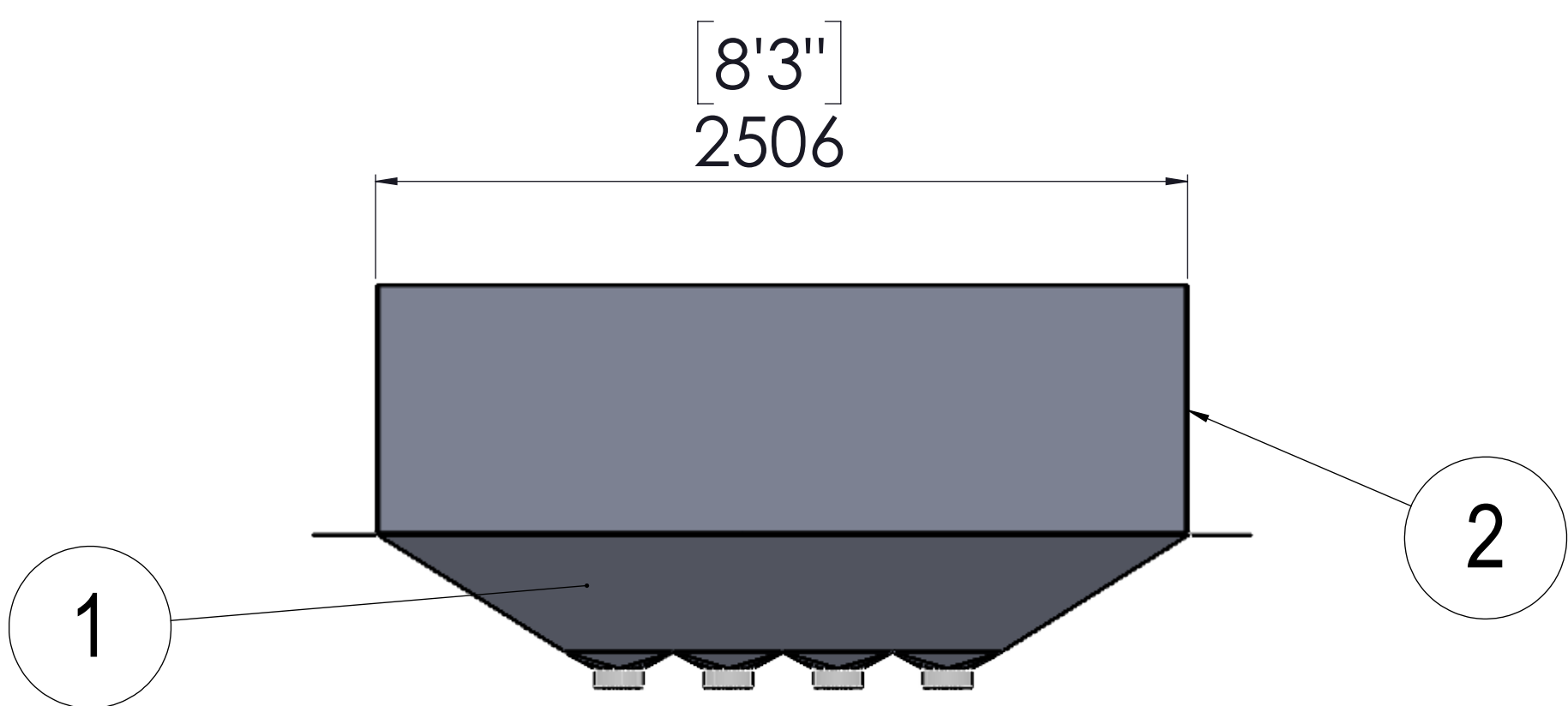
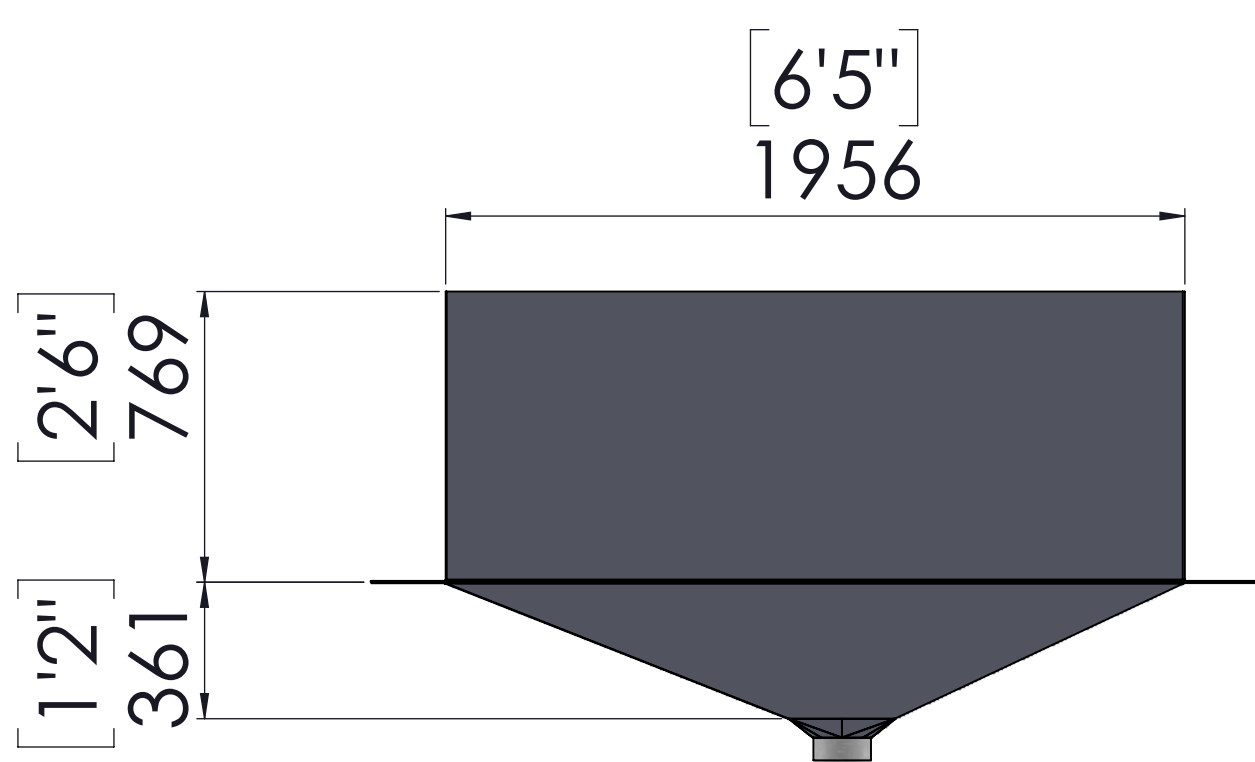


Frame cut out size

# STORAGE HOPPER

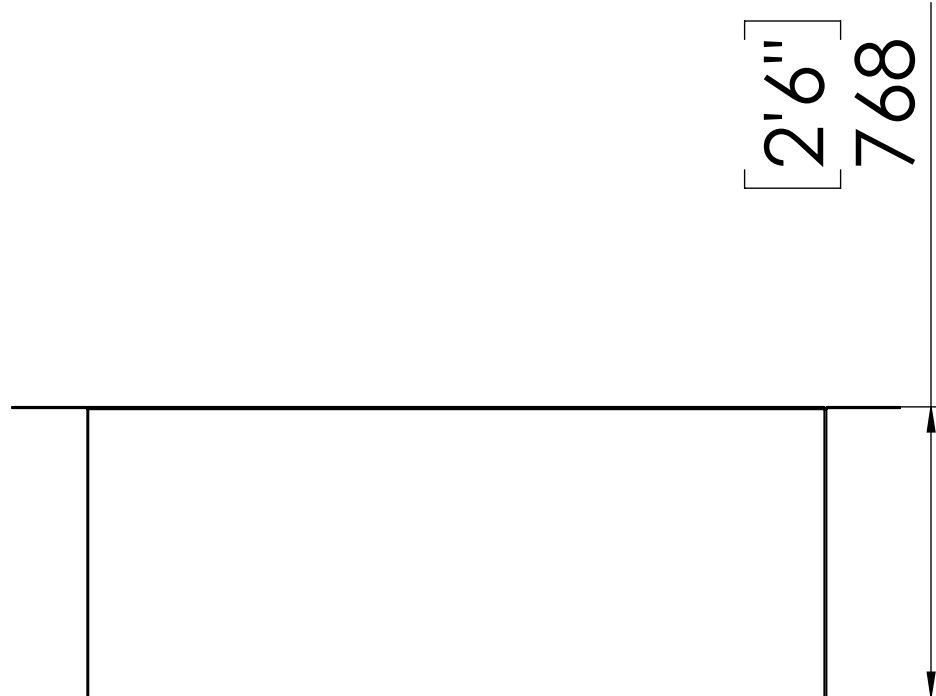
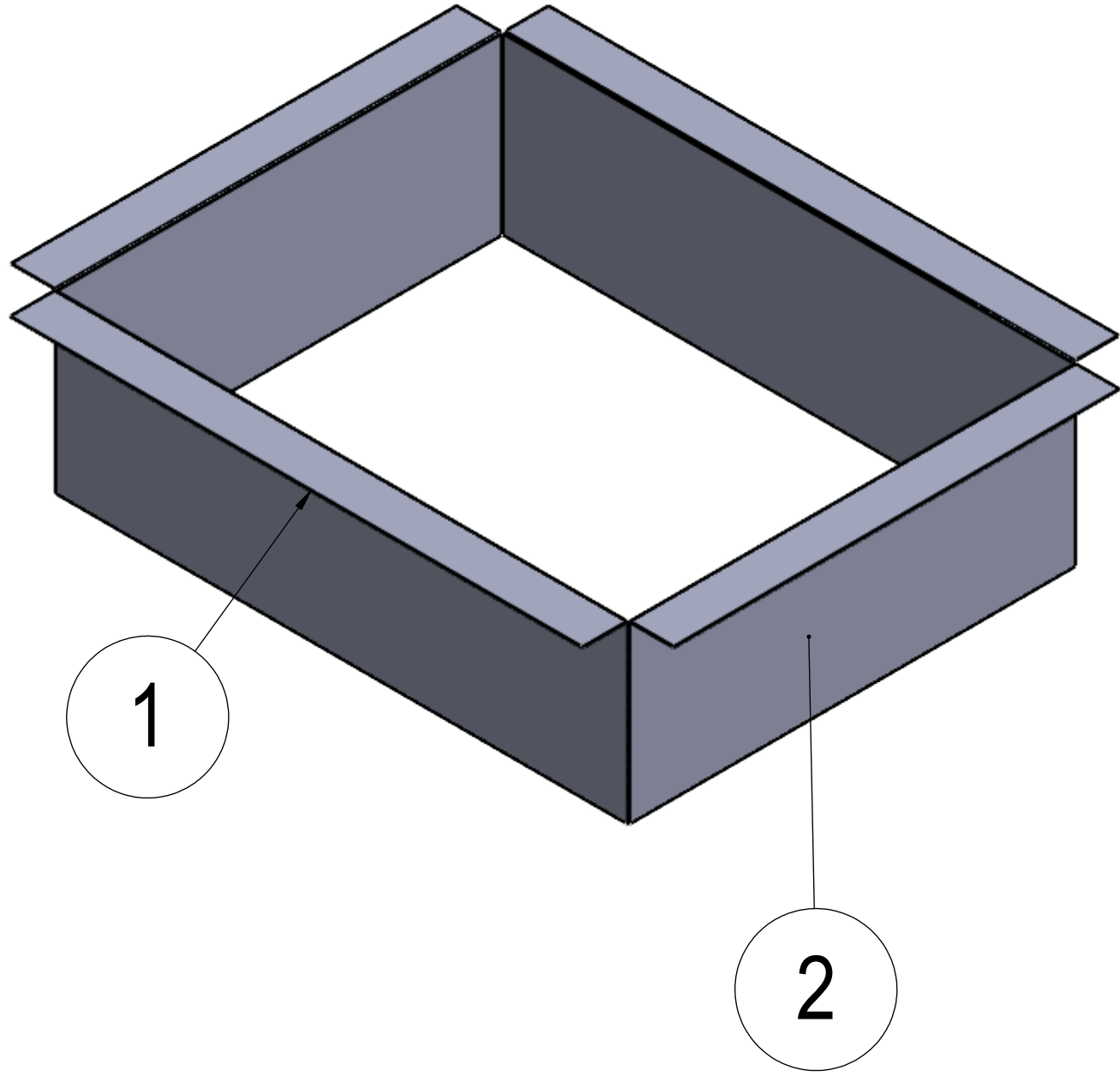
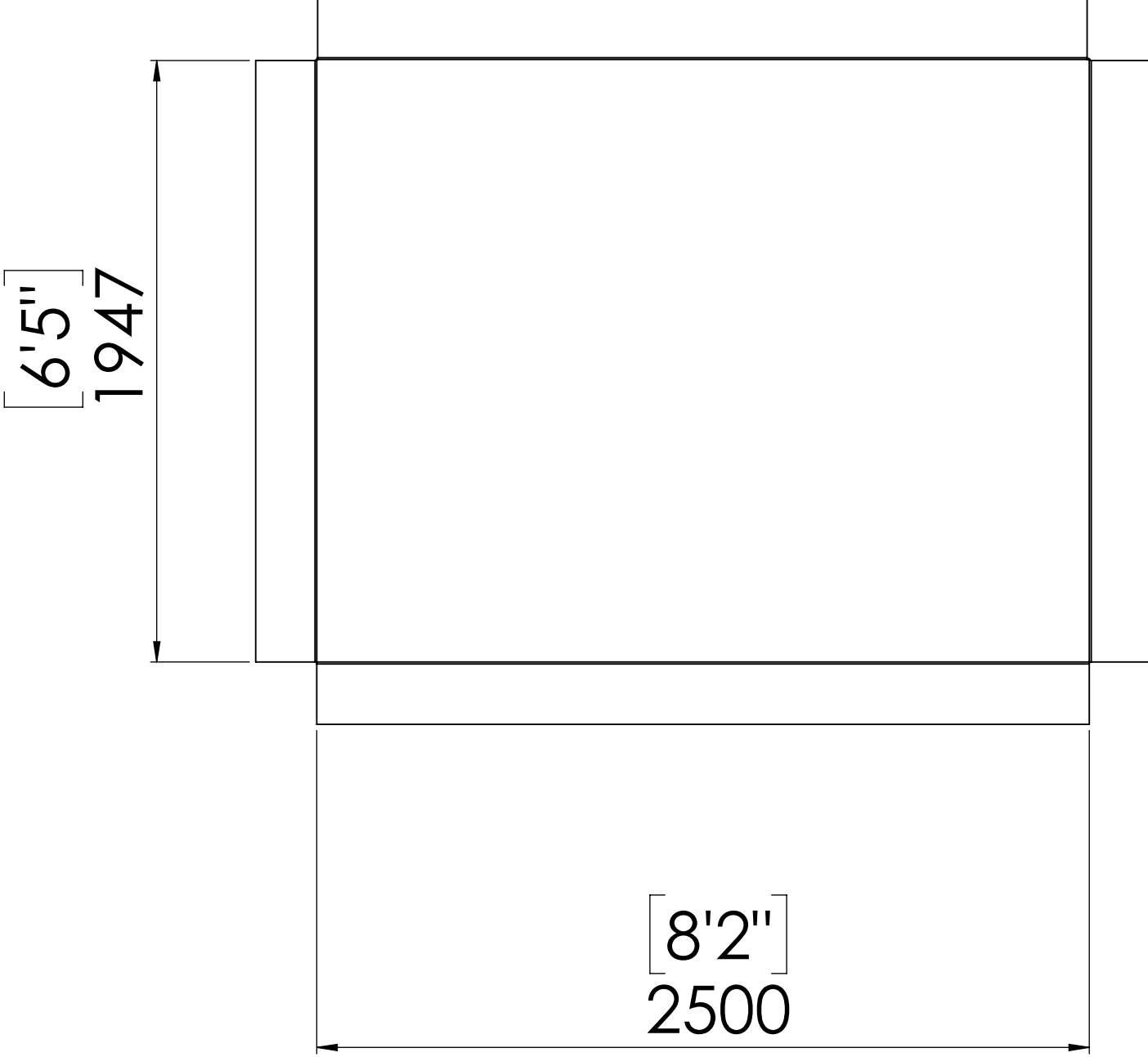


ITEM NO.	DESCRIPTION	QTY.
1	STORAGE HOPPER BOTTOM	1
2	STORAGE HOPPER TOP	1
3	SEPERATOR 2	1
4	PIPE	4
5	PIPE CONNECTOR 1	4
6	SEPERATOR 1	1



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GEOMETRIC DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994		Approved by : Shijo Checked by : Vinayaka Prepared by : Jayapradhaban		DATE 26/12/2020	
		3D CAD FILE (SAP DOC # - TYPE - VERSION #)		THIRD ANGLE PROJECTION	
		PART NAME (SAP 3D CAD DIR DESCRIPTION)		DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)	
		SHT 5		OF 13	
		SIZE D		SCALE 1:20	
				REVISION	
				AA	

# STORAGE HOPPER TOP PART



DOWN 90° R 3

ITEM NUMBER:1  
FLAT PATTERN  
SCALE: 1:20

DOWN 90° R 3

UP 90° R 3

DOWN 90° R 3

UP 90° R 3

DOWN 90° R 3

ITEM NUMBER:2  
FLAT PATTERN  
SCALE: 1:20

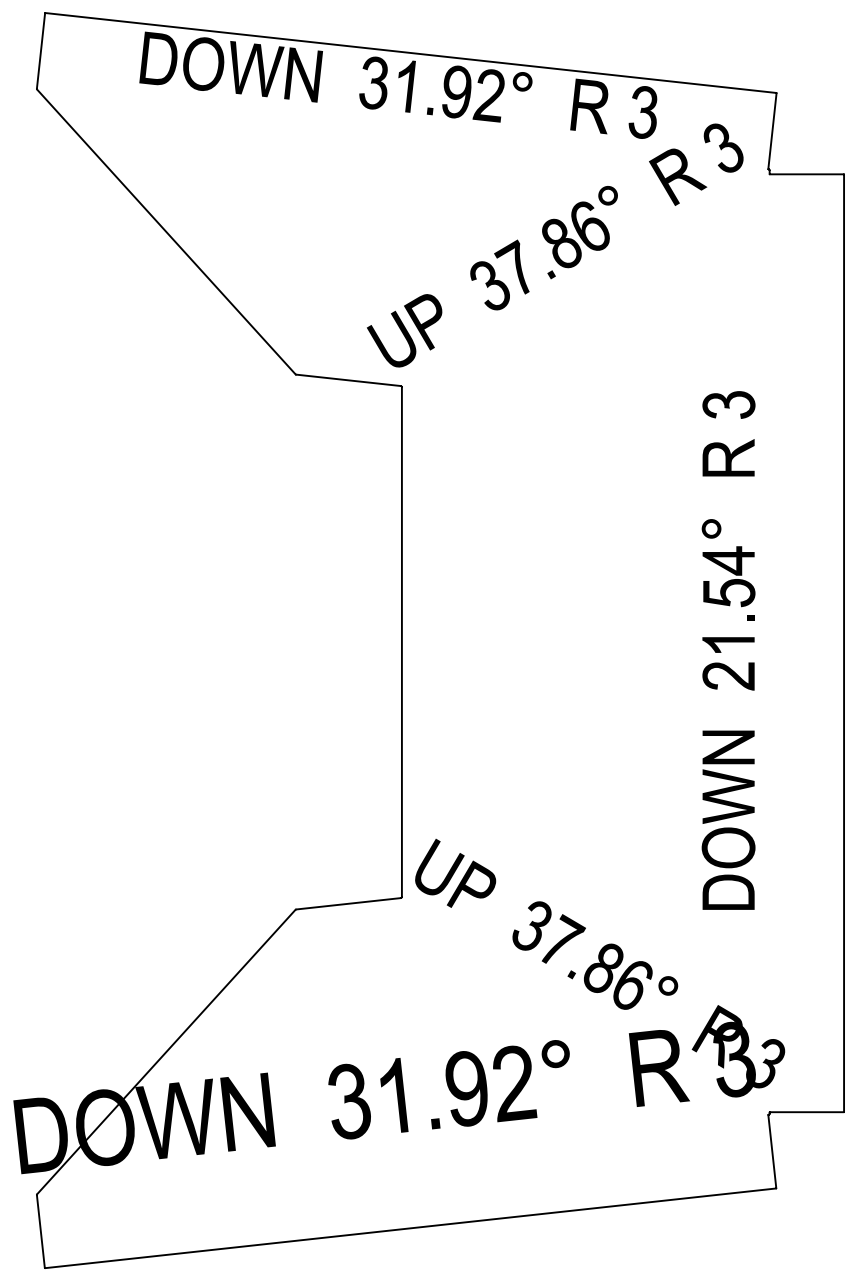
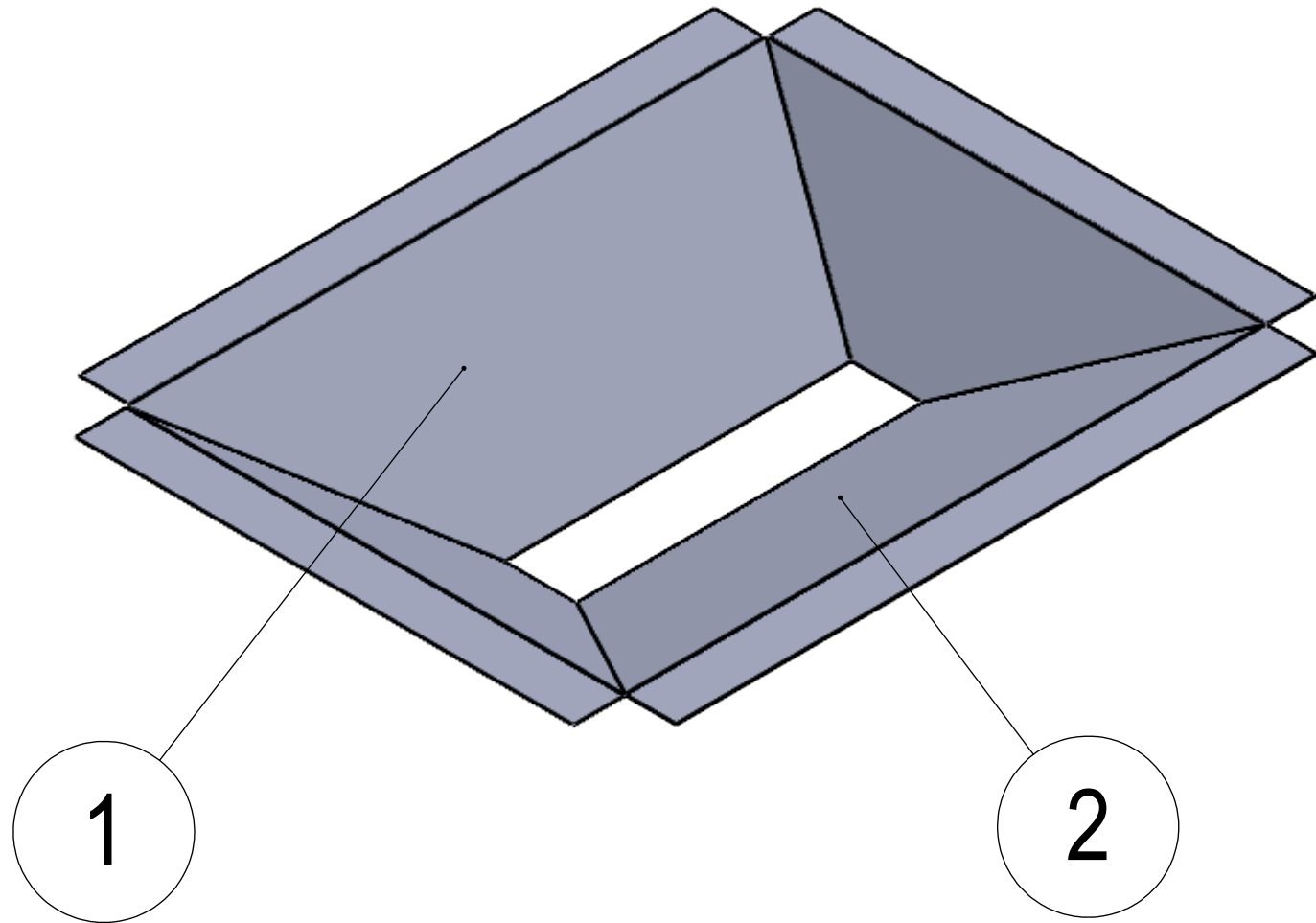
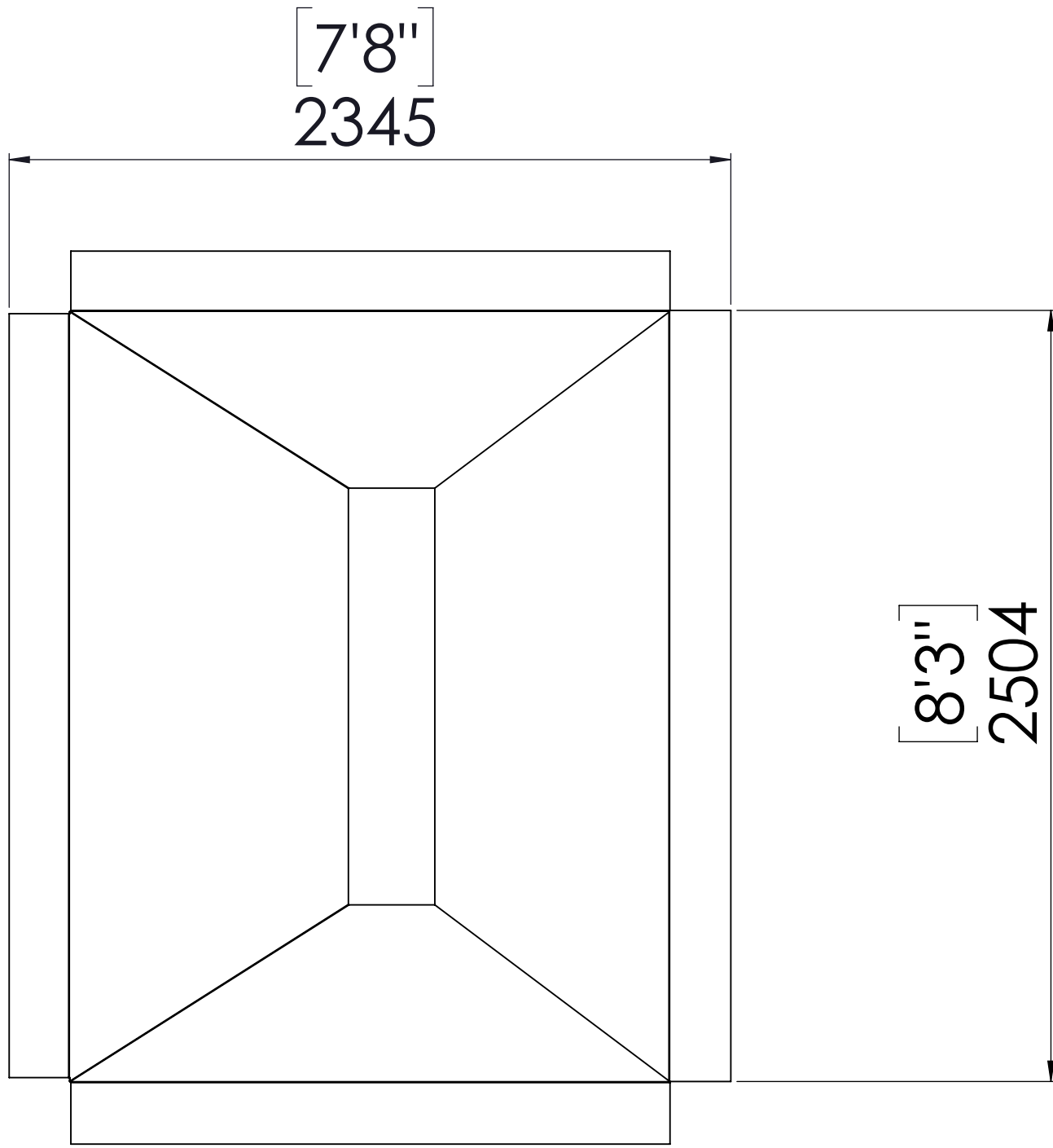
MATERIAL USED- MS  
SHEET METAL THICKNESS- 3mm  
RECOMENDED BENDING RADIUS- 3mm

DO NOT SCALE DRAWING. CAD MATHEMATICAL DATA IS MASTER FOR THIS PART UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES UNLESS OTHERWISE SPECIFIED	
UNSPECIFIED TOLERANCES ARE: LINEAR: ±1.0mm ANGULAR: ±0.5°	
UNLESS OTHERWISE SPECIFIED GEOMETRIC TOLERANCES ARE: ISO 2768-mK	
GEOMETRIC DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994	

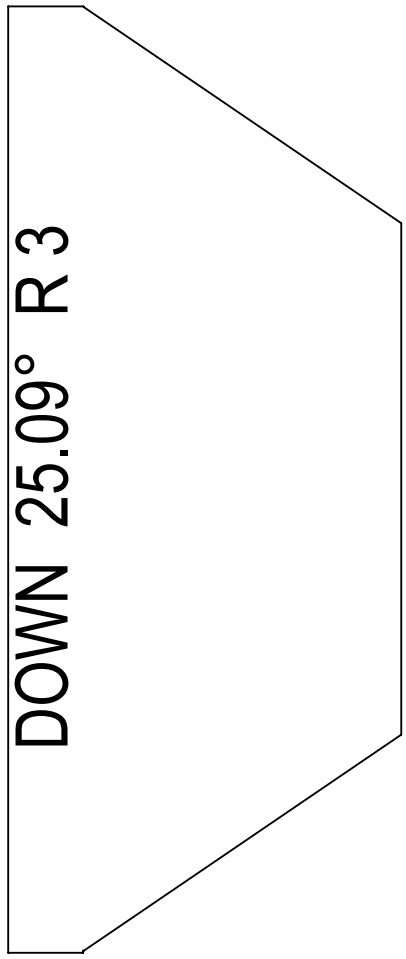
REVISION AA NOTES: <span>NEW RELEASE</span>			
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Approved by : <span>Shijo</span> Checked by : <span>Vinayaka</span> Prepared by : <span>Jayapradhaban</span>		DATE <span>26/12/2020</span>	
3D CAD FILE (SAP DOC # - TYPE - VERSION #)		THIRD ANGLE PROJECTION	
PART NAME (SAP 3D CAD DIR DESCRIPTION)		DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)	
SHT <span>6</span>		OF <span>13</span>	
SIZE <span>D</span>		SCALE <span>1:20</span>	
		REVISION	
		<span>AA</span>	



# STORAGE HOPPER BOTTOM

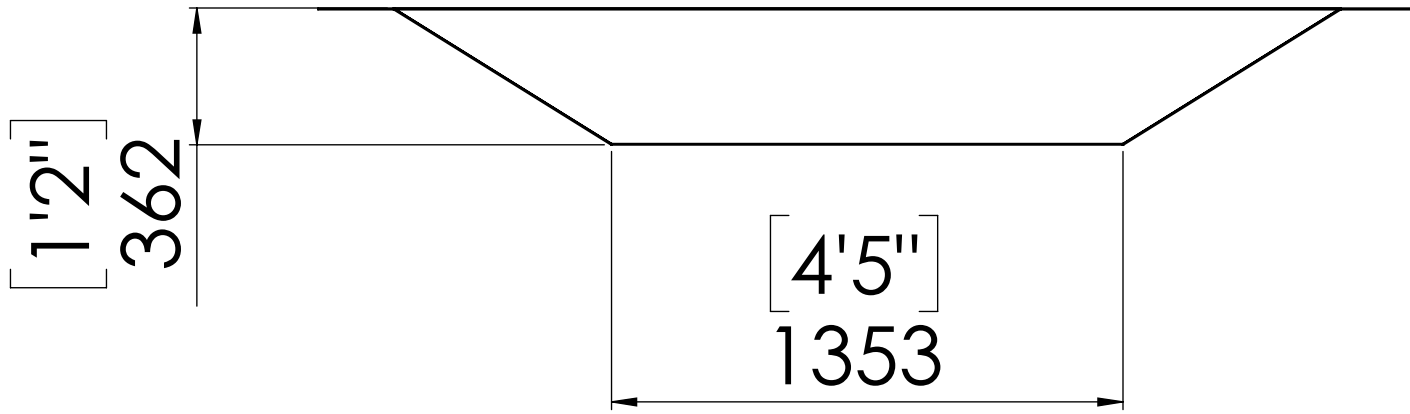
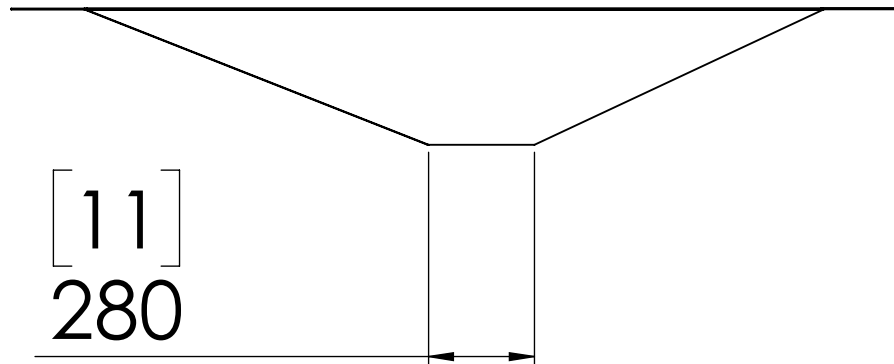


ITEM NUMBER:1  
FLAT PATTERN  
SCALE: 1:20



ITEM NUMBER:2  
FLAT PATTERN  
SCALE: 1:20

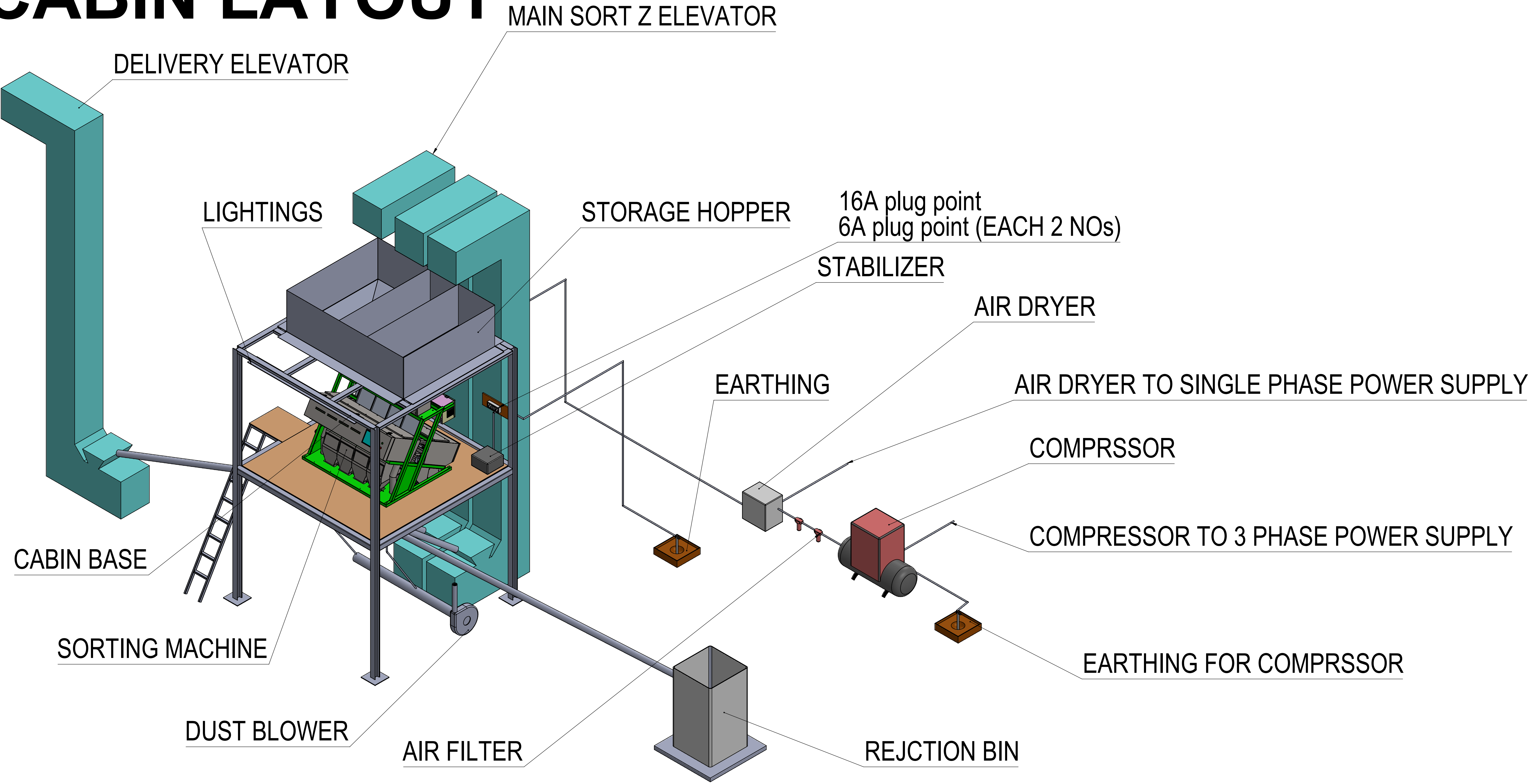
MATERIAL USED- MS  
SHEET METAL THICKNESS- 3mm  
RECOMENDED BENDING RADIUS- 3mm




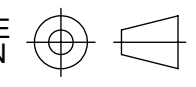
DO NOT SCALE DRAWING. CAD MATHEMATICAL DATA IS MASTER FOR THIS PART UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES UNLESS OTHERWISE SPECIFIED	
UNSPECIFIED TOLERANCES ARE: LINEAR: $\pm 1.0\text{mm}$ ANGULAR: $\pm 0.5^\circ$	
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Approved by : <a href="#">Shijo</a> Checked by : <a href="#">Vinayaka</a> Prepared by : <a href="#">Jayapradhaban</a>		DATE <a href="#">26/12/2020</a>	
3D CAD FILE (SAP DOC # - TYPE - VERSION #)		THIRD ANGLE PROJECTION	
PART NAME (SAP 3D CAD DIR DESCRIPTION)		DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)	
SHT <a href="#">7</a>		OF <a href="#">13</a>	
SIZE <a href="#">D</a>		SCALE <a href="#">1:20</a>	
		REVISION	
		<a href="#">AA</a>	

# CABIN LAYOUT



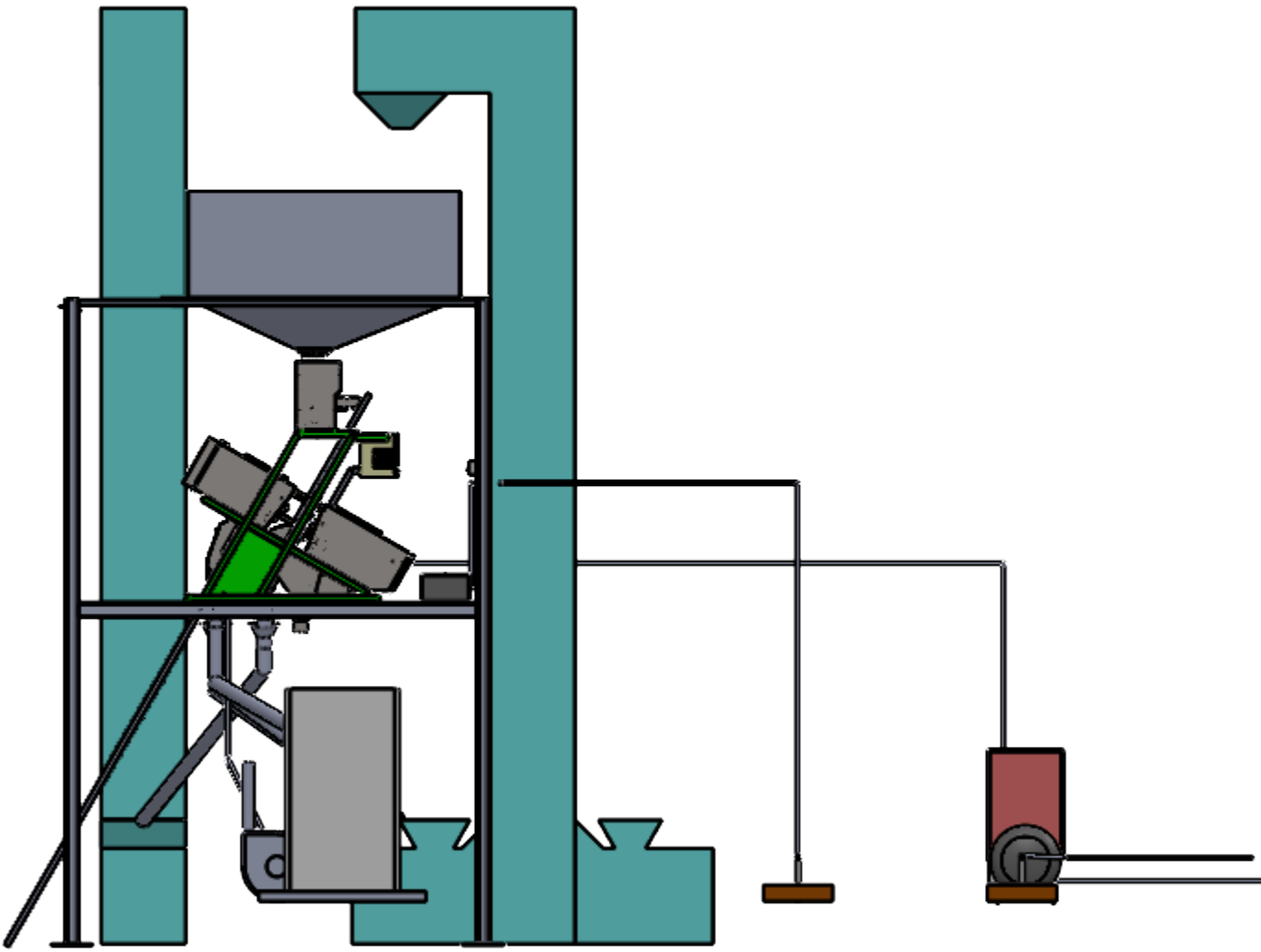
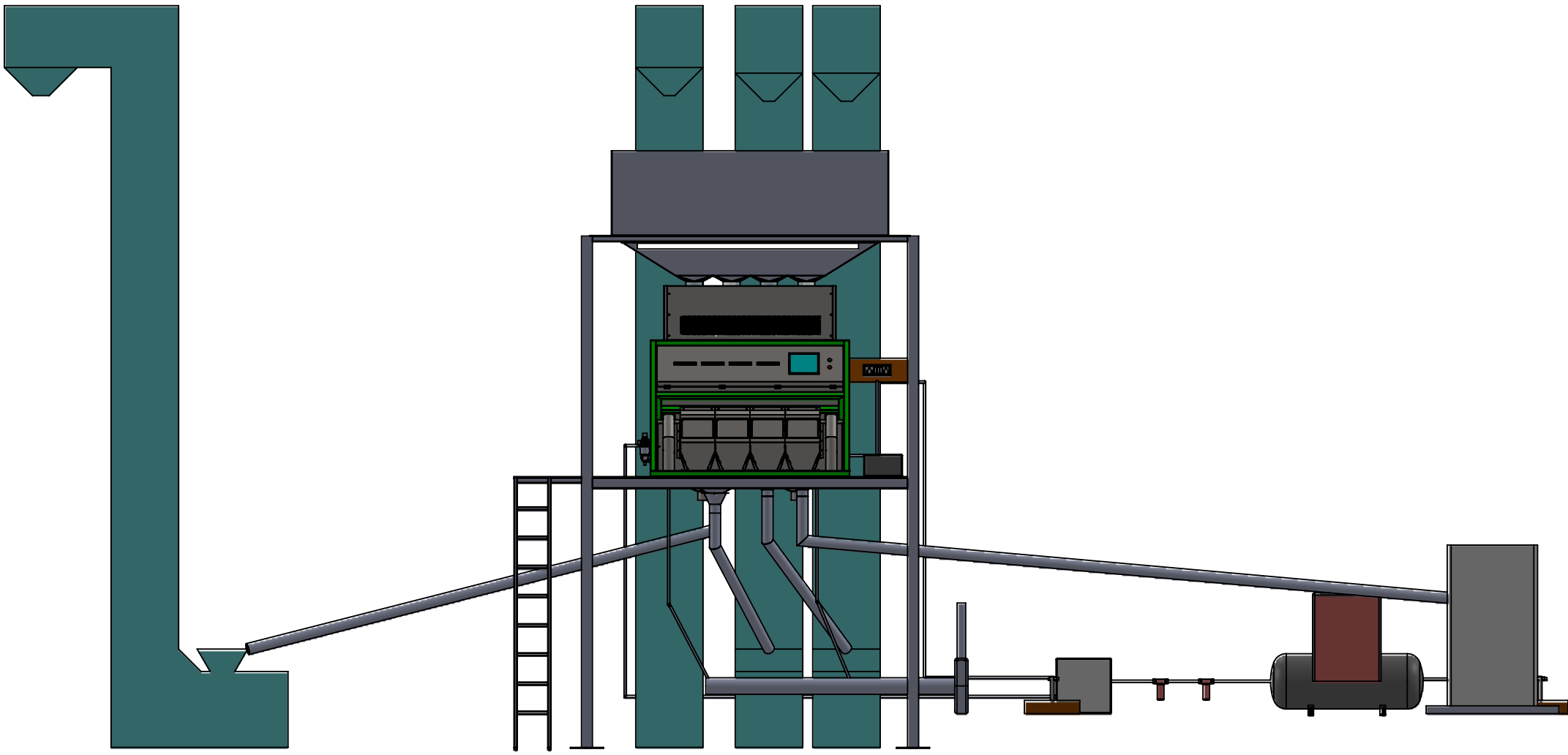
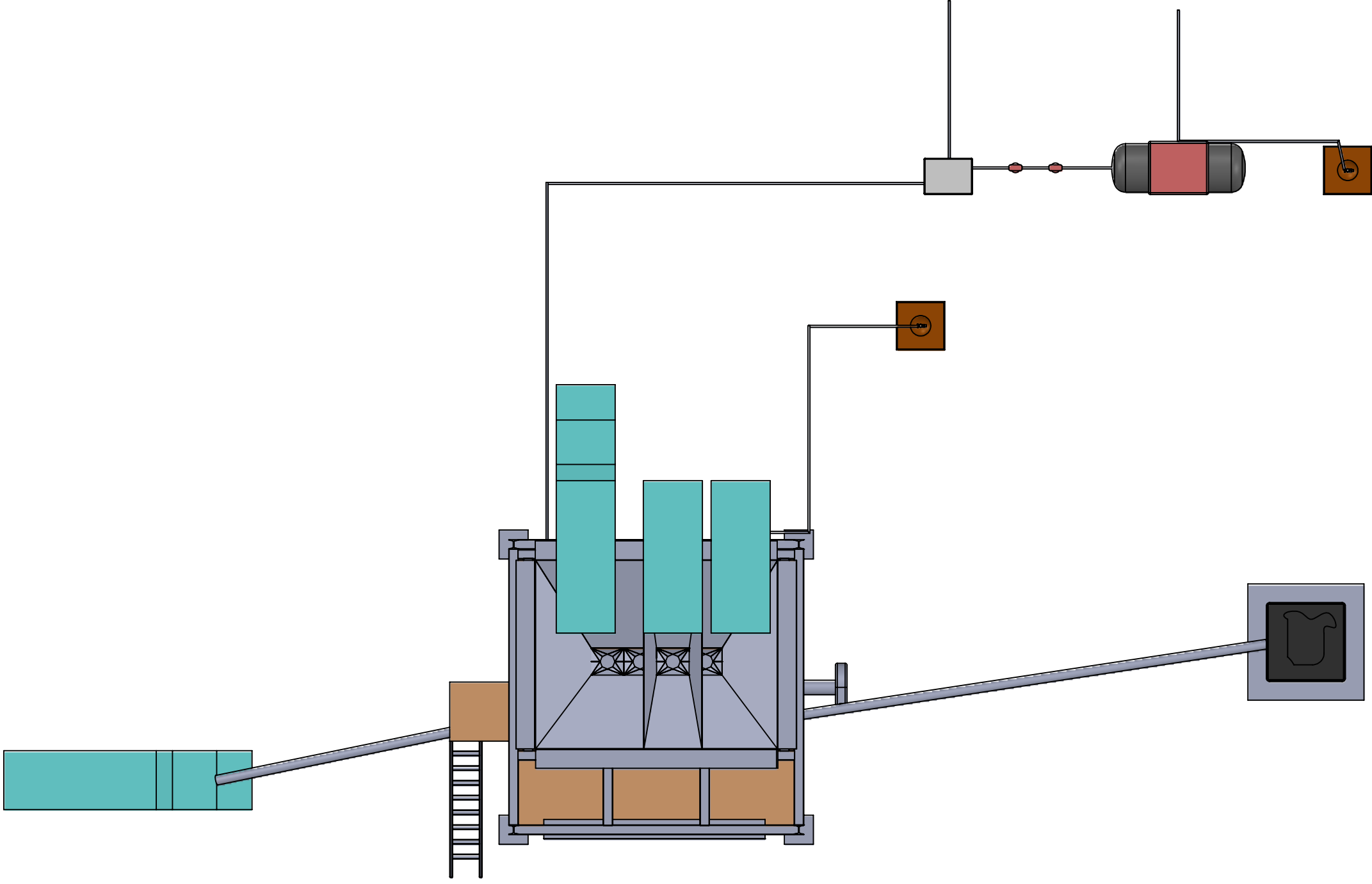
NOTE: THE LAYOUT SHOWN ABOVE IS FOR REPRESENTATION PURPOSE ONLY FRAME BASE CUTOUT AND STAIRCASE ARRANGEMENT CAN BE ALTERED AS PER REQUIREMENT. THE LIGHTINGS CAN ALSOBE POSITIONED AS PER CONVINIENCE.

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UNSPECIFIED TOLERANCES ARE: LINEAR: $\pm 1.0\text{mm}$ ANGULAR: $\pm 0.5^\circ$		THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY INFORMATION OF Swan Sorter systems PVT.LTD. INDIA AND IS DISCLOSED IN CONFIDENCE. IT IS THE PROPERTY OF Swan Sorter systems PVT.LTD. AND SHALL NOT BE USED, DISCLOSED TO OTHERS OR REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF AN AUTHORIZED EMPLOYEE OF Swan Sorter systems PVT.LTD. IF WRITTEN CONSENT IS GIVEN BY Swan Sorter, FOR REPRODUCTION IN WHOLE OR IN PART, THIS NOTICE AND THE NOTICE SET FORTH ON EACH PAGE OF THIS DOCUMENT SHALL APPEAR IN ANY SUCH REPRODUCTION IN WHOLE OR IN PART. UNAUTHORIZED EXPORT IS PROHIBITED.	
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GEOMETRIC DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994		<div><div></div><div><div>Approved by : <b>Shijo</b> Checked by : <b>Vinayaka</b> Prepared by : <b>Jayapradhaban</b></div><div>DATE <b>26/12/2020</b></div></div></div>	
		MATERIAL 3D CAD FILE (SAP DOC # - TYPE - VERSION #)	THIRD ANGLE PROJECTION 
		PART NAME (SAP 3D CAD DIR DESCRIPTION)	REVISION
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		SIZE <b>D</b>	SCALE <b>1:50</b>



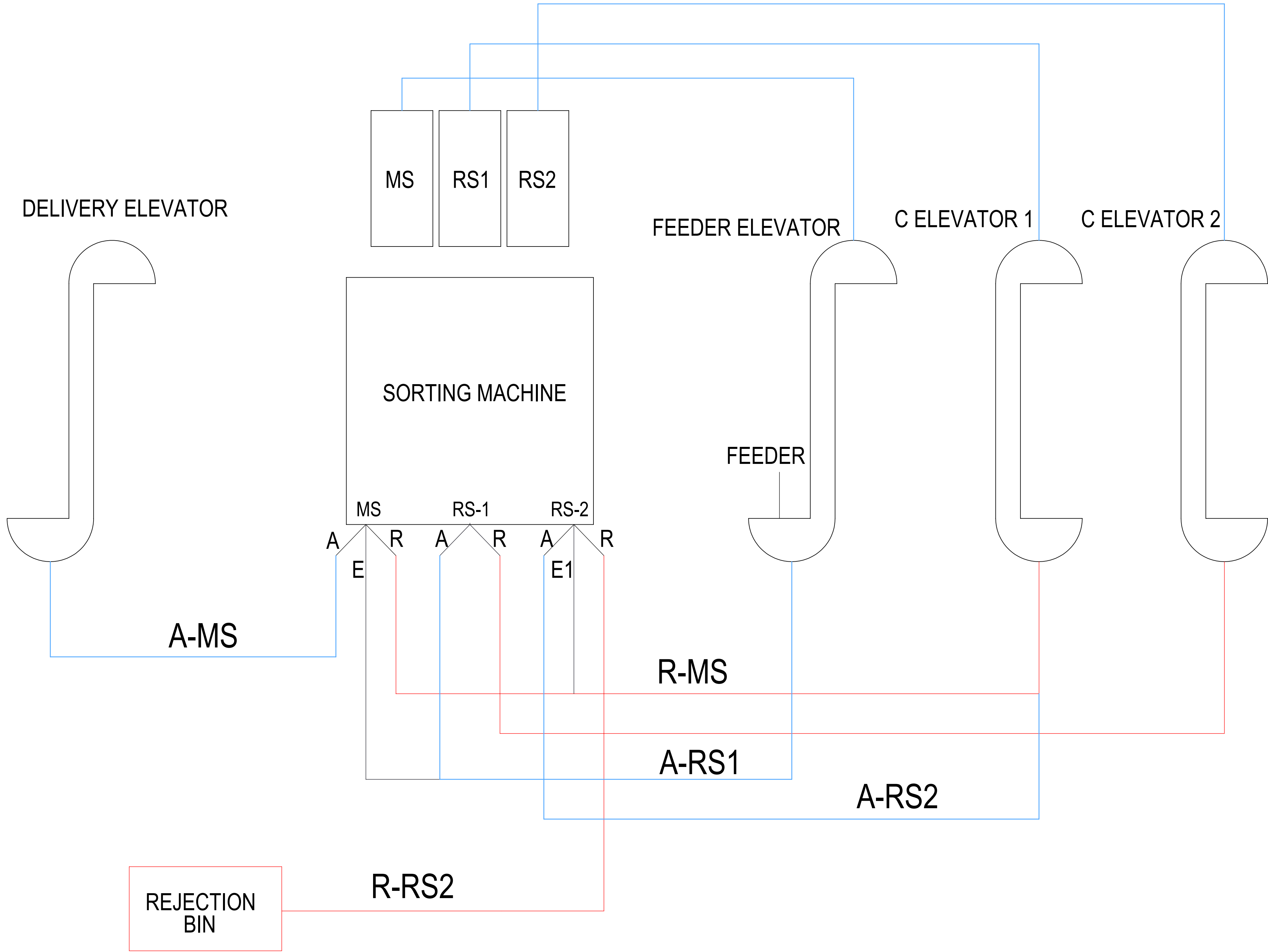
# CABIN LAYOUT

NOTE: THE LAYOUT SHOWN ABOVE IS FOR REPRESENTATION PURPOSE ONLY FRAME BASE CUTOUT AND STAIRCASE ARRANGEMENT CAN BE ALTERED AS PER REQUIREMENT. THE LIGHTINGS CAN ALSO BE POSITIONED AS PER CONVINIENCE



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UNLESS OTHERWISE SPECIFIED GEOMETRIC TOLERANCES ARE: ISO 2768-mK		ORIGINAL RELEASE AUTHORIZATION © as dated below. Swan Sorter systems PVT.LTD. All rights reserved.		MATERIAL	WEIGHT
GEOMETRIC DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994		Approved by : <b>Shijo</b> Checked by : <b>Vinayaka</b> Prepared by : <b>Jayapradhaban</b>		DATE <b>26/12/2020</b>	3D CAD FILE (SAP DOC # - TYPE - VERSION #)
				THIRD ANGLE PROJECTION	DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)
				PART NAME (SAP 3D CAD DIR DESCRIPTION)	SHT <b>9</b>
					OF <b>13</b>
					SIZE <b>D</b>
					SCALE <b>1:50</b>
					REVISION
					<b>AA</b>

# CONNECTIONS



- MS- MAIN SORT  
RS - RESORT  
A-MS- ACCEPTANCE FROM MAIN SORT  
R-MS- REJECTION FROM MAIN SORT  
E-MS- EXCESS COLLECTOR  
A-RS1 - ACCEPTANCE FROM RESORT 1  
R-RS1 - REJECTION FROM RESORT 1  
A-RS2 - ACCEPTANCE FROM RESORT 2  
R-RS2 - REJECTION FROM RESORT 2  
E1-RS2- EXCESS COLLECTOR 2
- ACCEPTANCE CONNECTION  
— REJECTION CONNECTION  
— EXCESS COLLECTOR CONNECTION



# Customer Specifications

Customers needs to purchase seperately below mentioned equipments with mentioned specifcations

## COMPRESSOR SPECIFICATIONS

- 1. 3PHASE 20 HP COMPRESSOR REQUIRED
- 2. 63A MCB TO BE USED
- 3. COMPRESSOR MUST BE OPERATED AT 7.5 BAR PRESSURE
- 4. FREE VENTILATION MUST BE PROVIDED
- 5. COMPRESSOR MUST BE GROUNDED
- 6. AIR LINE CONNECTION 1" OR 1.5" PIPE CPVC OR GI PIPE
- 7. MACHINE TO AIR LINE HOSE PIPE - 3/4" OR 1"

## STORAGE HOPPER SPECIFICATIONS

- 1. REFER DRAWINGS FOR DIMENTIONS
- 2. 4.5+ METER CUBE STORAGE CAPACITY
- 3. 2400+ kilograms OF GROUNDNUT CAN BE ACCOMODATED IN THE HOPPER (THE VALUES MAY VARY SIGNIFICANTLY AS THE DENSITY OF THE GRAIN DEPENDS ON IT'S MOISTURE CONTENT)
- 4. THE SEPERATORS CAN BE POSITIONED AS PER REQUIREMENT BUT A MINIMUM OF 2 FEET GAP IS RECOMENDED

## DUST BLOWER SPECIFICATIONS

- 1. 4inch PIPES TO BE USED TO CONNECT THE DUST BLOWER.
- 2. 5HP DUST BLOWER TO BE USED

## CONNECTING CABLE SPECIFICATIONS

- 1. 3 PHASE CABLE FOR COMPRESSOR
- 2. SINGLE PHASE CABLE FOR MACHINE AND AIR DRYER

## MACHINE SPECIFICATIONS

- 1. MACHINE CAPACITY: 1600 TO 600 KGS PER HOUR DEPENDING ON MATERIAL IT WILL VARY
- 2. THE MACHINE MUST BE GROUNDED
- 3. CVCF MUST BE USED IF GENERATOR IS USED
- 4. STABILIZER SHOULD NOT BE USED WHILE USING GENERATOR
- 5. COMPRESSOR TO MACHINE 1 inch  $\varnothing$  PIPE

# Maintenance

## Daily maintenance

- 1.Clean the full machine before switch on
- 2.Clean the Front and back Camera box glass
- 3.Maintain Air pressure in gauge is 3 to 5 bar based on material
- 4.Remove water in compressor before switch on
- 5.Clean solinoid valve in FRL unit area
- 6.Maintain FRL air pressure in 2.5 to 3 bar

## Weekly maintenance

- 1. Electrical box fan dust filter clean

## Quarterly maintenance

- 1.Change compressor oil for every 2000 hrs
- 2.General check up for compressor and dryer from purchased source

## Yearly maintenance

- 1.Change filter in FRL Unit



# Air pressure



Check the air pressure level in FRL unit for wiper and maintain air level at 2.5 to 3 bar



Clean the solinoid valve daily to prevent from jamming

DO NOT SCALE DRAWING. CAD MATHEMATICAL DATA IS MASTER FOR THIS PART UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES UNLESS OTHERWISE SPECIFIED		REVISION AA NOTES: <b>NEW RELEASE</b>			
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GEOMETRIC DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994		Approved by : Shijo Checked by : Vinayaka Prepared by : Jayapradhaban		3D CAD FILE (SAP DOC # - TYPE - VERSION #) THIRD ANGLE PROJECTION	
				WEIGHT DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)	
				SHT 13	
				OF 13	
				SIZE D	
				SCALE 1:50	
				REVISION AA	