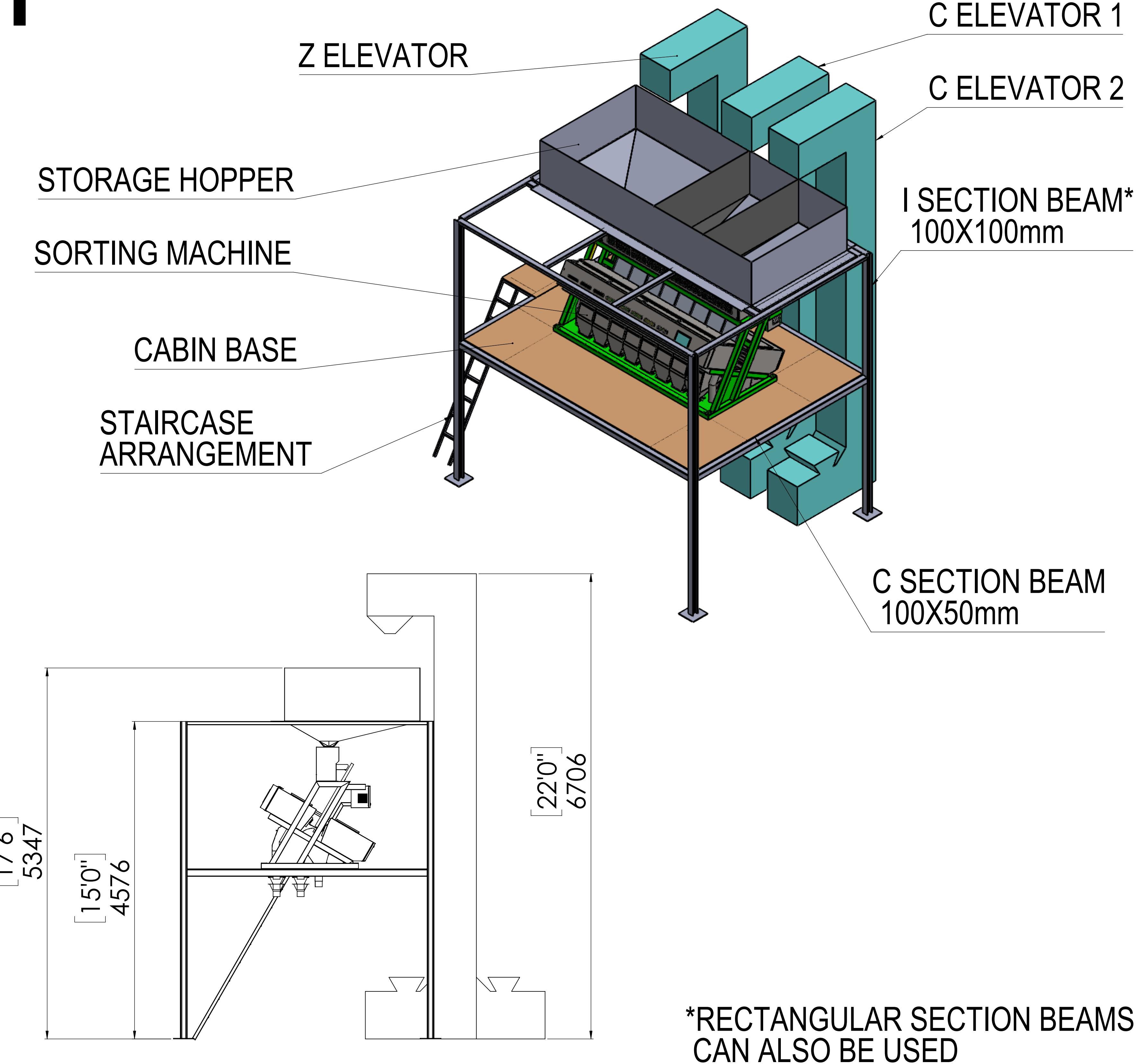
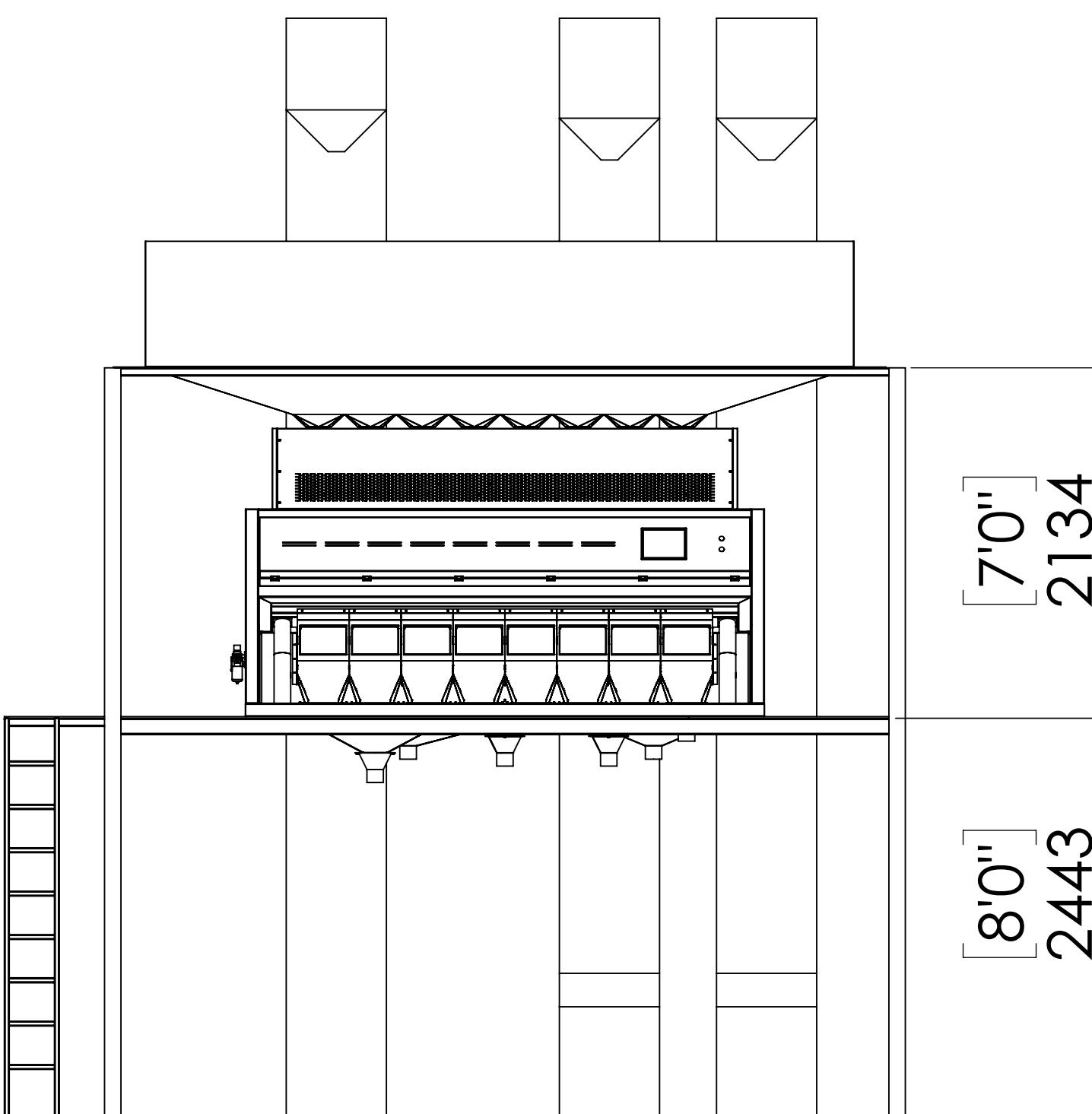
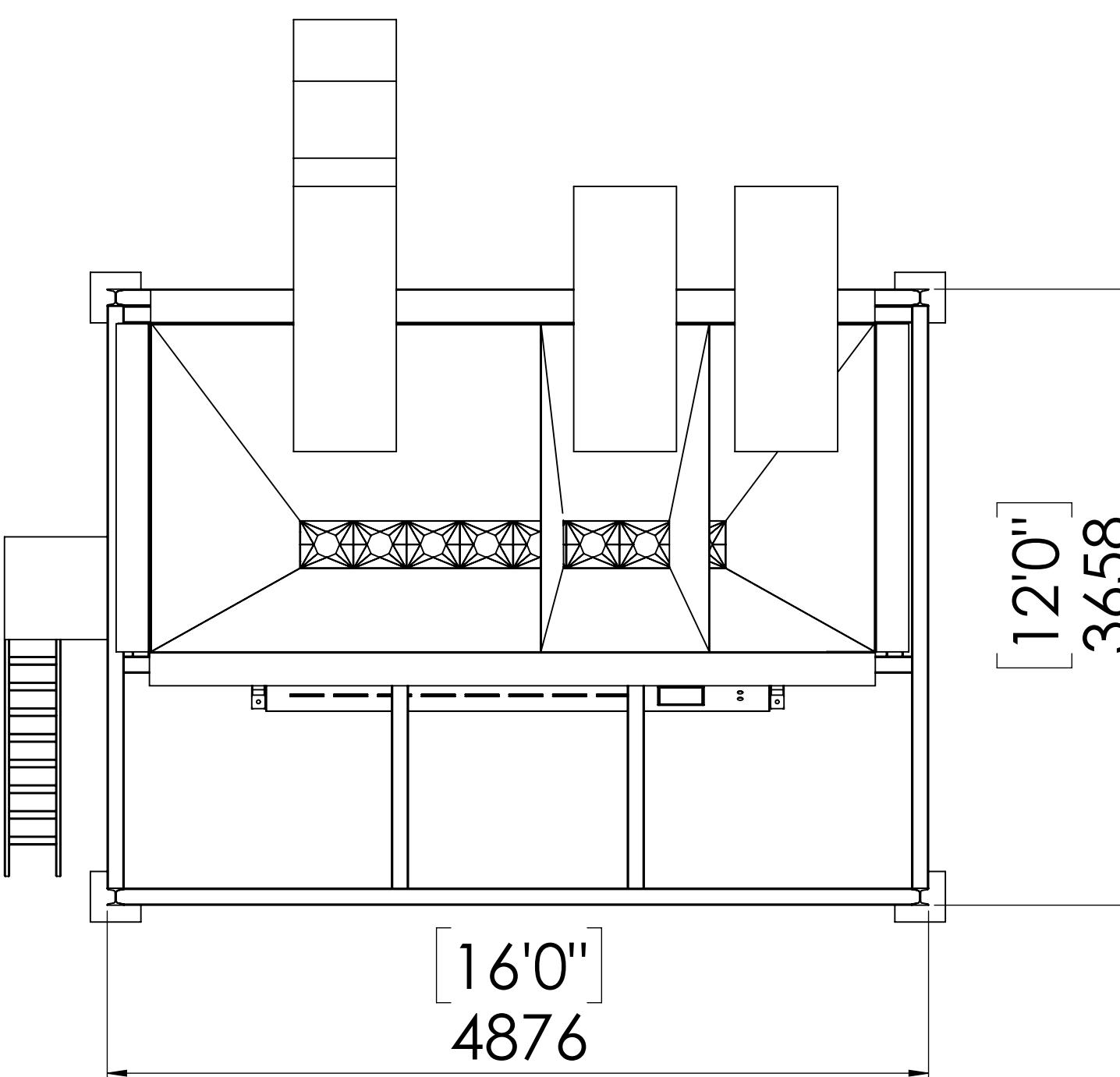


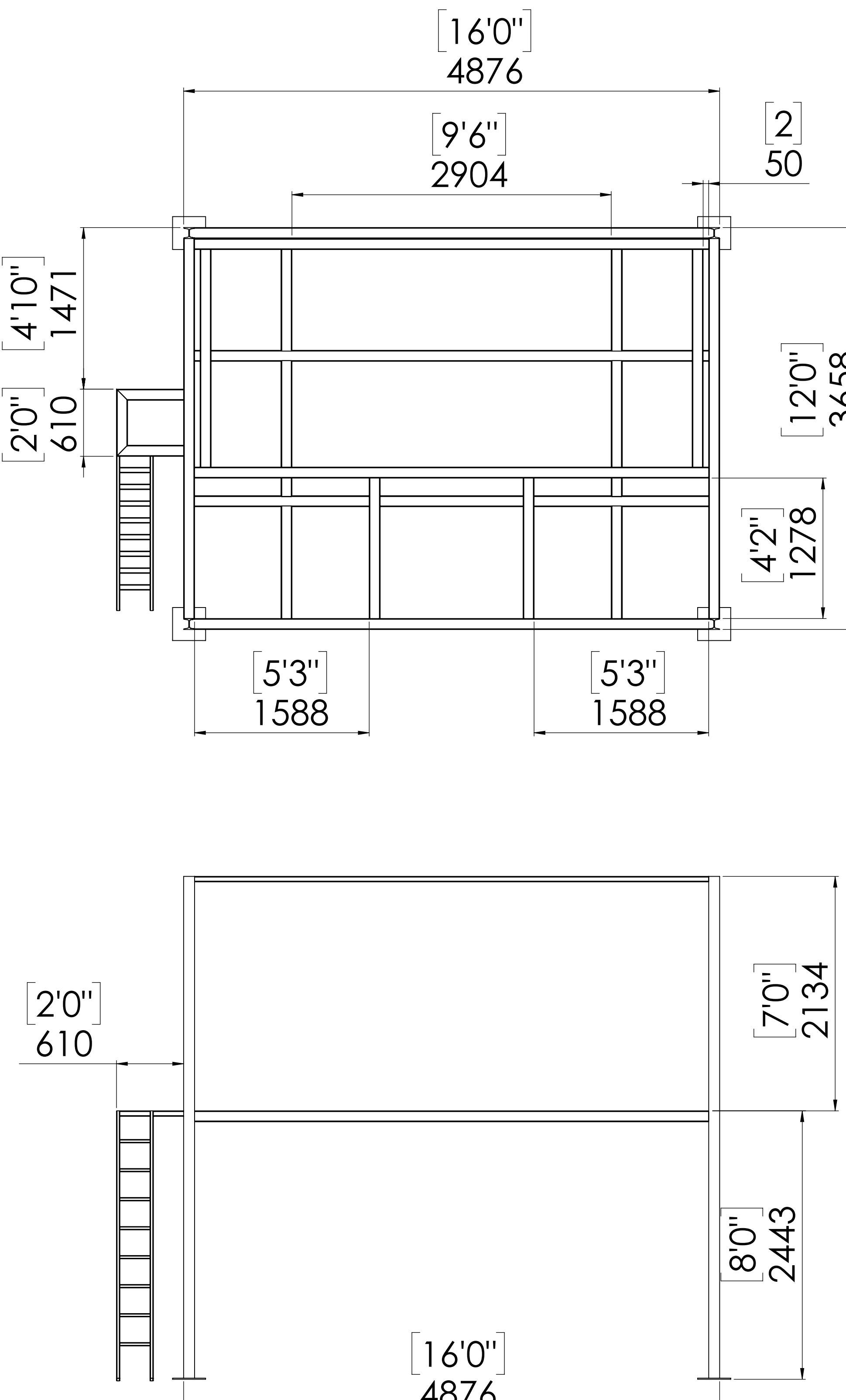
CABIN ARRANGEMENT



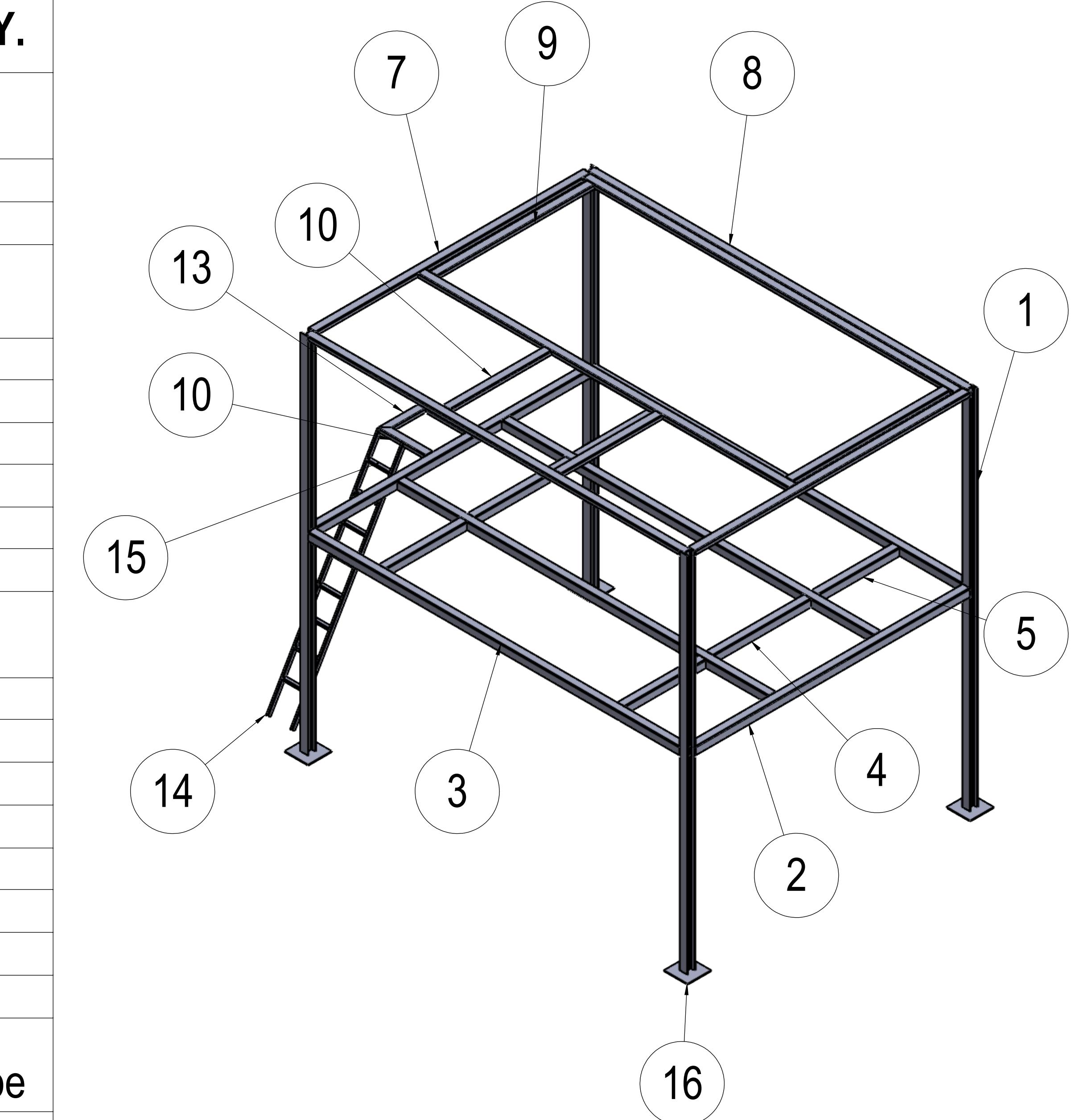
NOTE: ALL PRIMARY DIMENTIONS ARE IN mm,
AND ALL SECONDARY DIMENTIONS ARE
IN FEET AND INCHES

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: NEW RELEASE
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GEOMETRIC DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994	Approved by : Shijo DATE 23/08/2021 MATERIAL WEIGHT Revision Checked by : Vinayaka PART NAME (SAP DOC # - TYPE - VERSION #) Prepared by : Jayapradhaban DRAWING NUMBER (SAP DOC # - TYPE - VERSION #) SHT 1 OF 13 SIZE D SCALE 1:50

CABIN WELDMENT CUT LIST



ITEM NO.	LENGTH IN MM	LENGTH IN INCHS	QTY.
100x100 - 6 thik mm - i channel 4x4 - 0.25 thik inch - i channel			
1	4566	180.0	4
100x100 - 5 thik mm - Sq tube 4x4 - 0.25 thik inch - Sq tube			
2	3458	136.1	2
3	4730	186.2	2
4	4676	184	2
5	1031	40.6	4
6	1237	48.7	2
100x 50 - 6 thik mm - C channel 4x2 - 0.25 thik inch - C channel			
7	4770	187.7	2
8	4676	184	2
9	3458	136.1	2
10	1278	50.3	2
11	1980	77.9	2
12	610	24.0	2
13	610	24.0	1
50x30 - 3 thik mm - Rectangular pipe 2x1.18 - 0.12 thik inch - Rectangular pipe			
14	2457	96.7	2
15	275	10.8	8
MS plate			
16	300X300X12	12X12X 0.5	4



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

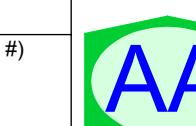
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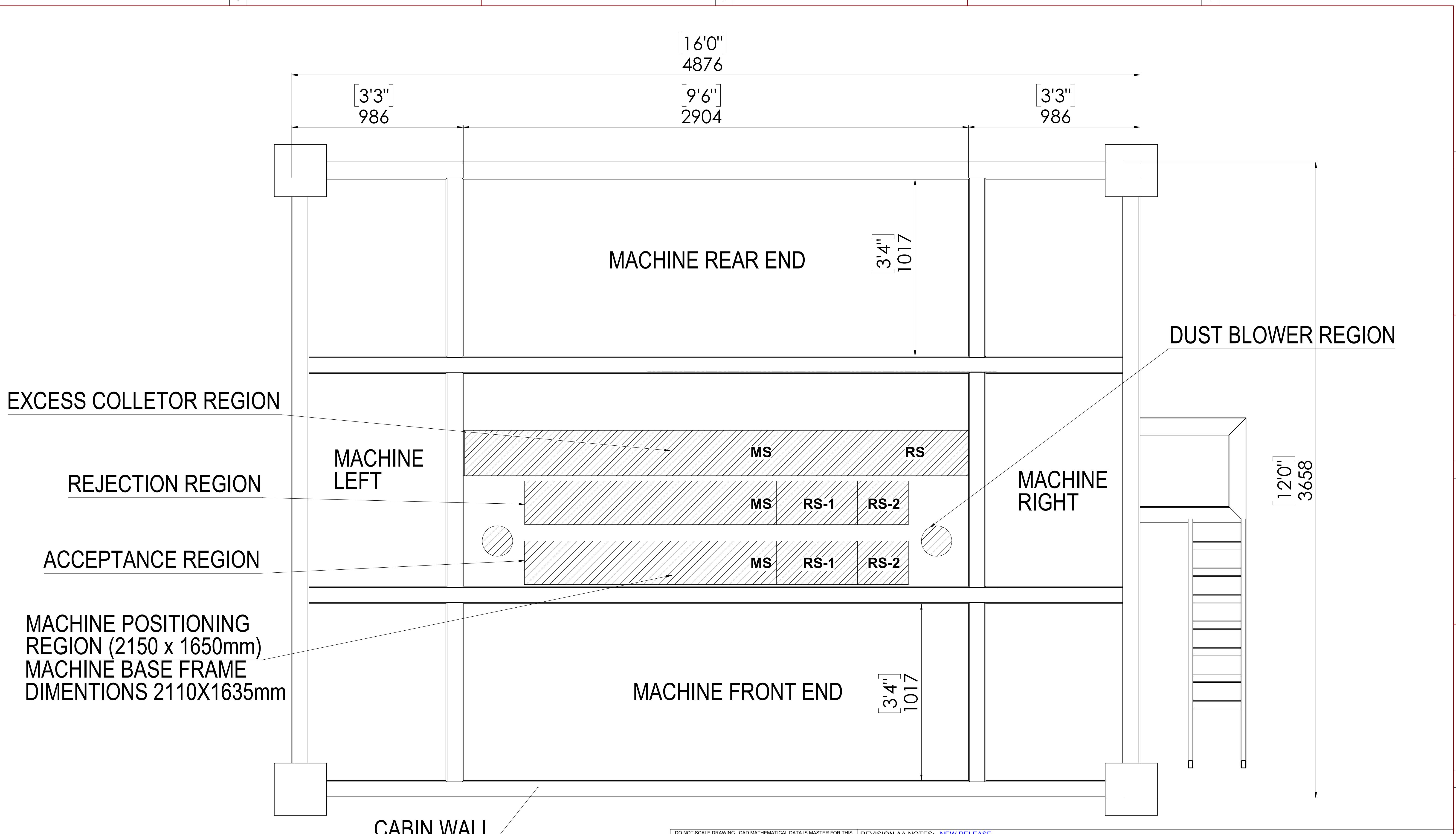
UNSPECIFIED TOLERANCES ARE:
LINEAR: $\pm 1.0\text{mm}$
ANGULAR: $\pm 0.5^\circ$

UNLESS OTHERWISE SPECIFIED GEOMETRIC TOLERANCES ARE:
ISO 2768-mK

GEOMETRIC DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994

REVISION AA NOTES: NEW RELEASE

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	Approved by : Shijo Checked by : Vinayaka Prepared by : Jayapradhaban	DATE 23/08/2021	3D CAD FILE (SAP DOC # - TYPE - VERSION #)	DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)
			THIRD ANGLE PROJECTION	
				SHT 2 OF 13 SIZE D SCALE 1:50
				



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REVISION AA NOTES: NEW RELEASE

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GEOMETRIC DIMENSIONING AND TOLERANCING
IS IN ACCORDANCE WITH ASME Y14.5M-1994

Approved by : DATE
Shijo 23/08/2021
Checked by :
Vinayaka
Prepared by :
Jayapradhaban

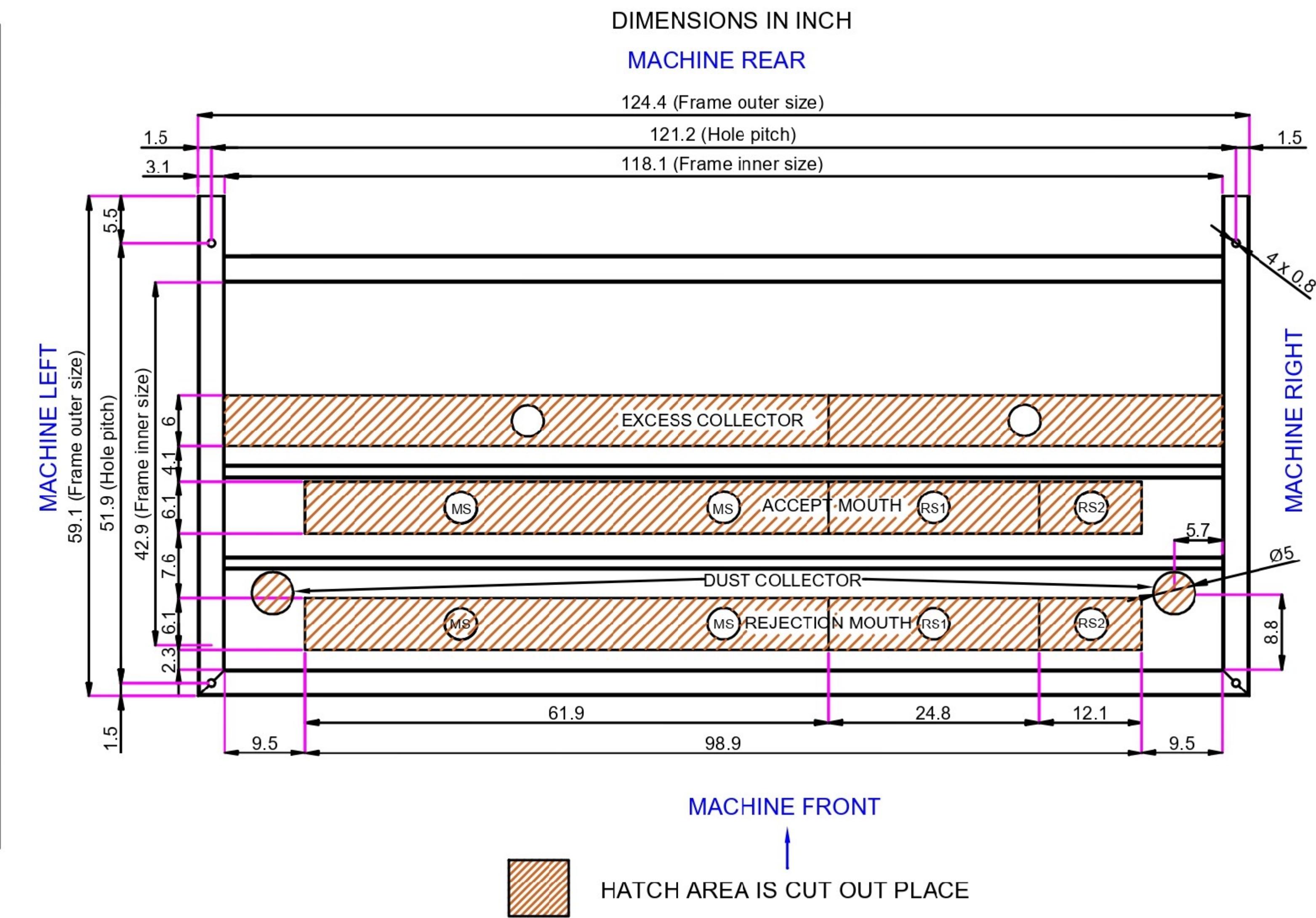
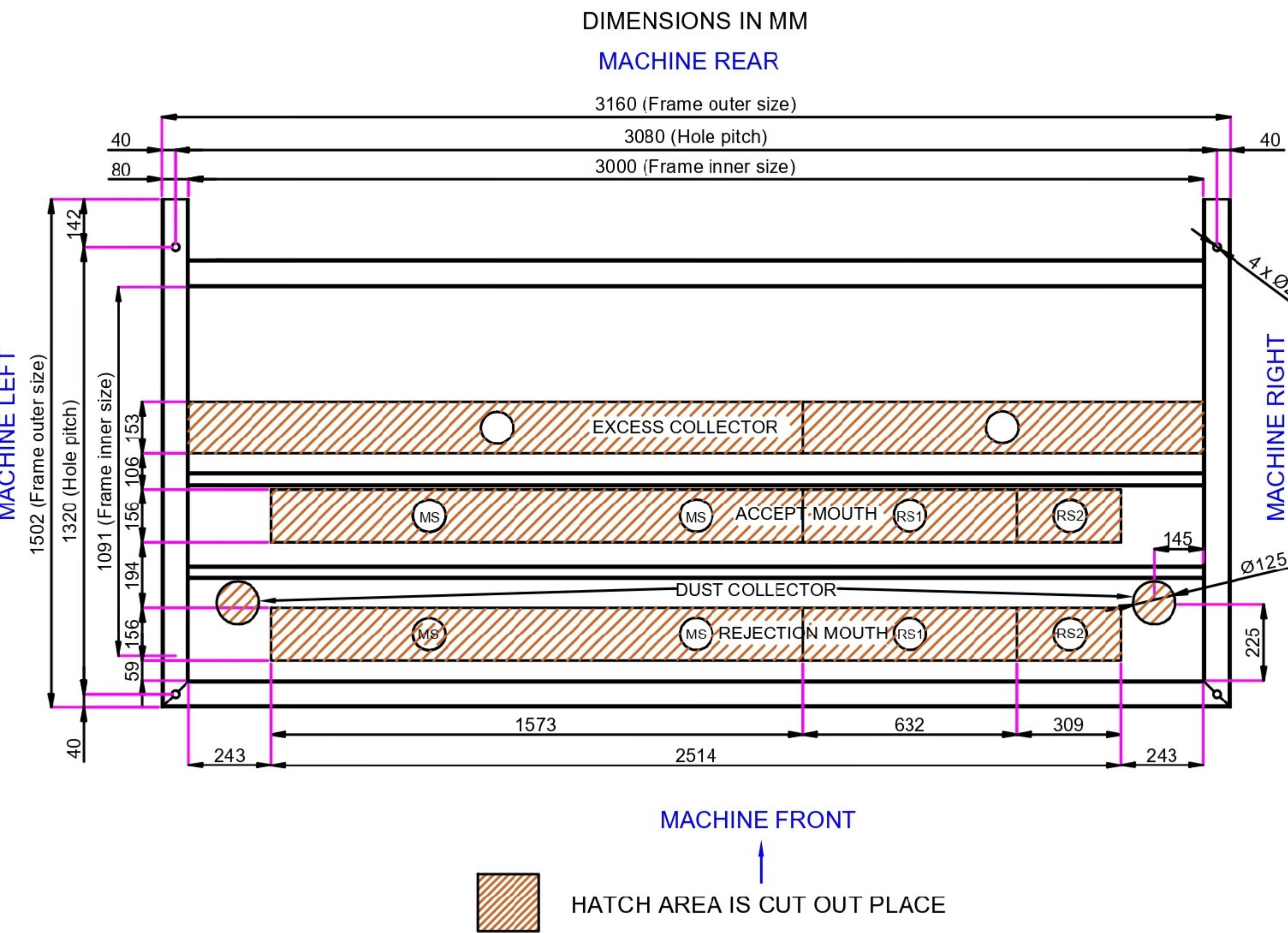
3D CAD FILE (SAP DOC # - TYPE - VERSION #)
PART NAME (SAP 3D CAD DIR DESCRIPTION)
THIRD ANGLE PROJECTION
DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)

SHT 3 OF 13 SIZE D SCALE 1:50



Frame cut out size

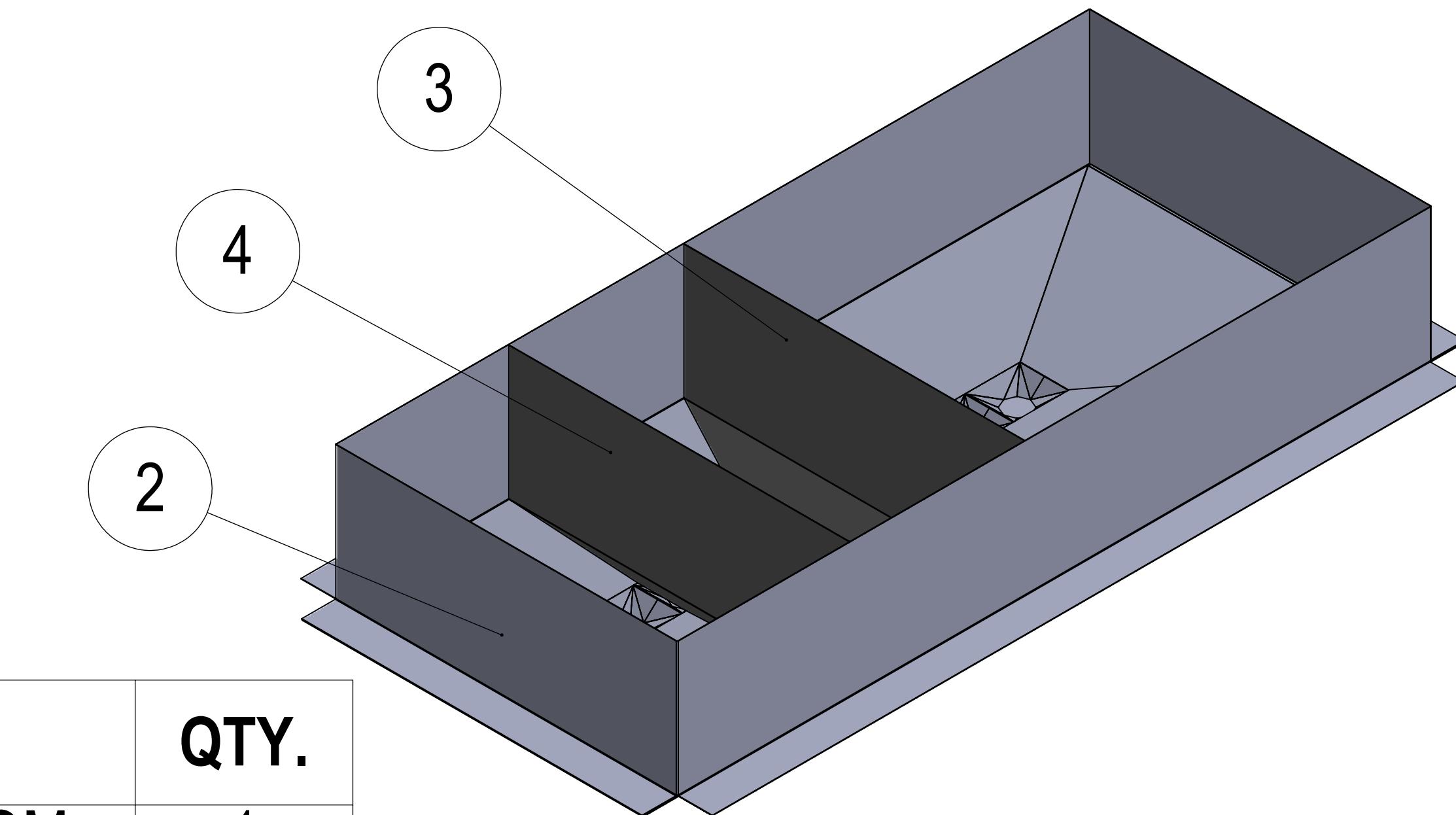
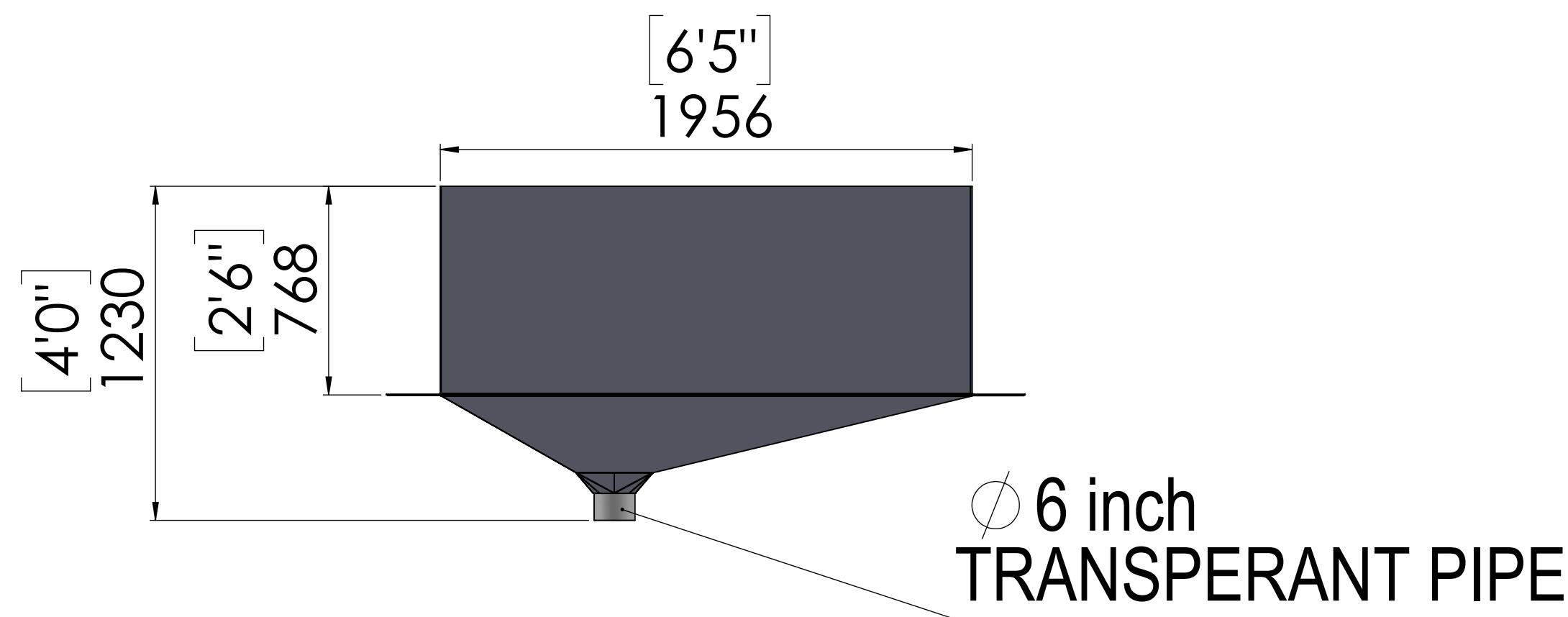
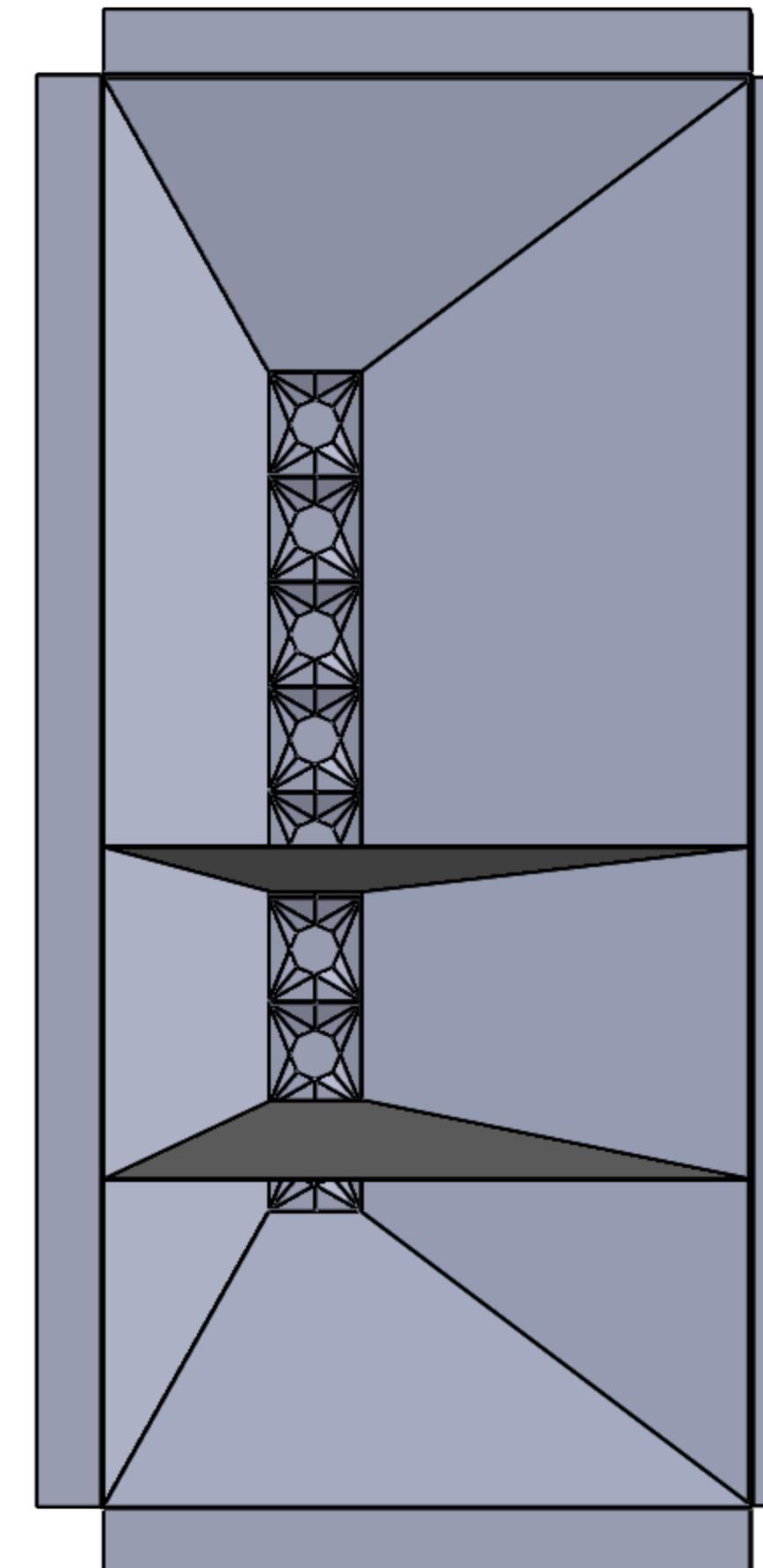
512 CHANNEL REVERSE MACHINE FRAME SIZE



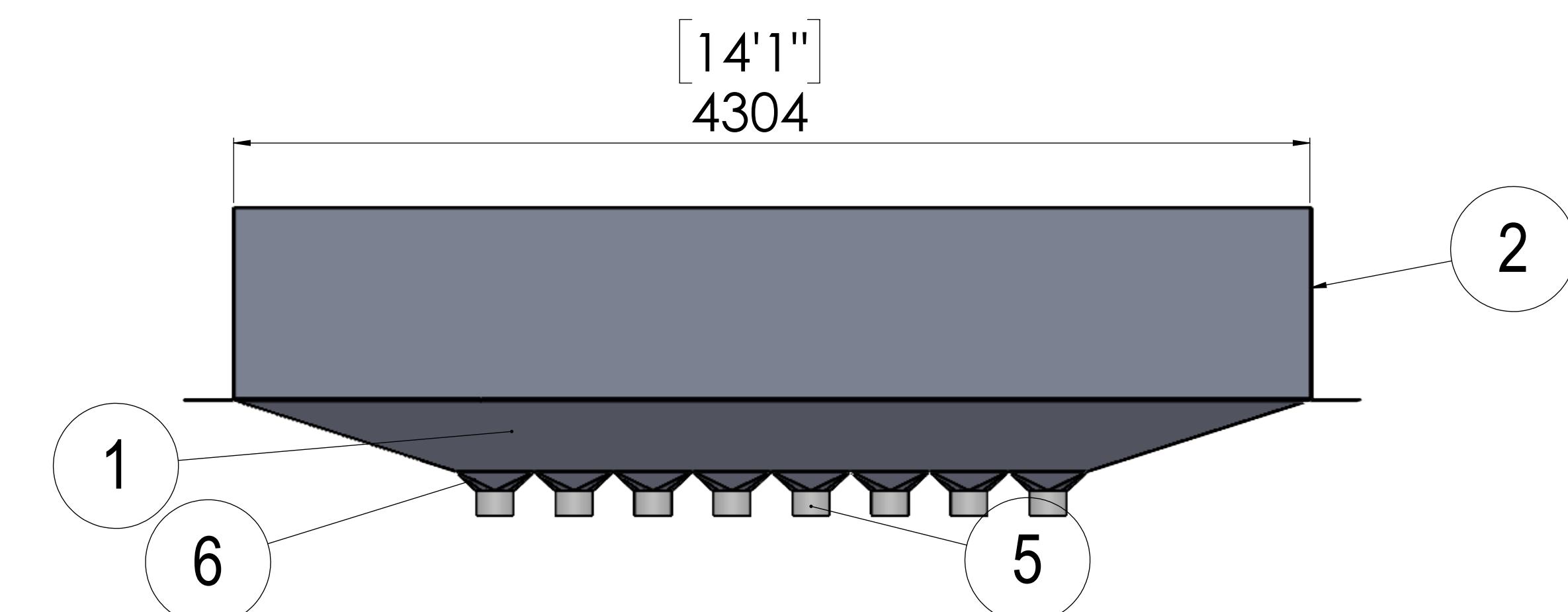
NOTE: CUTOUTS CAN BE MADE LARGER
THAN THE DIMENTIONS PRESCRIBED HERE

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ANGULAR: $\pm 0.5^\circ$		MATERIAL				
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ISO 2768-mK		Shijo	26/12/2020	3D CAD FILE (SAP DOC # - TYPE - VERSION #)	DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)	AA
GEOMETRIC DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994		Checked by:	Vinayaka	THIRD ANGLE PROJECTION		
		Prepared by:	Jayapradhaban	PART NAME (SAP 3D CAD DIR DESCRIPTION)	SHT 4	OF 13
					SIZE D	SCALE 1:50

STORAGE HOPPER

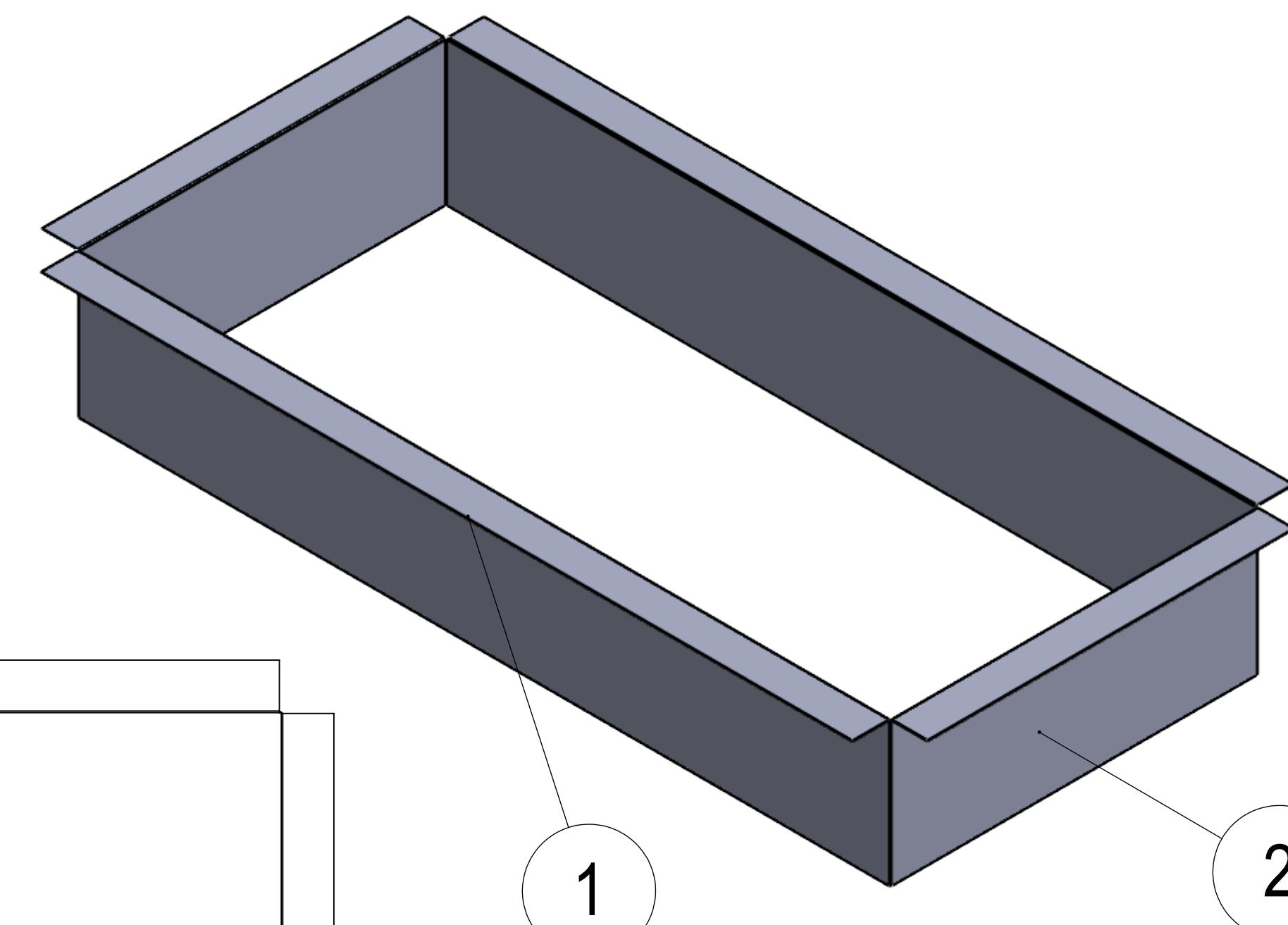
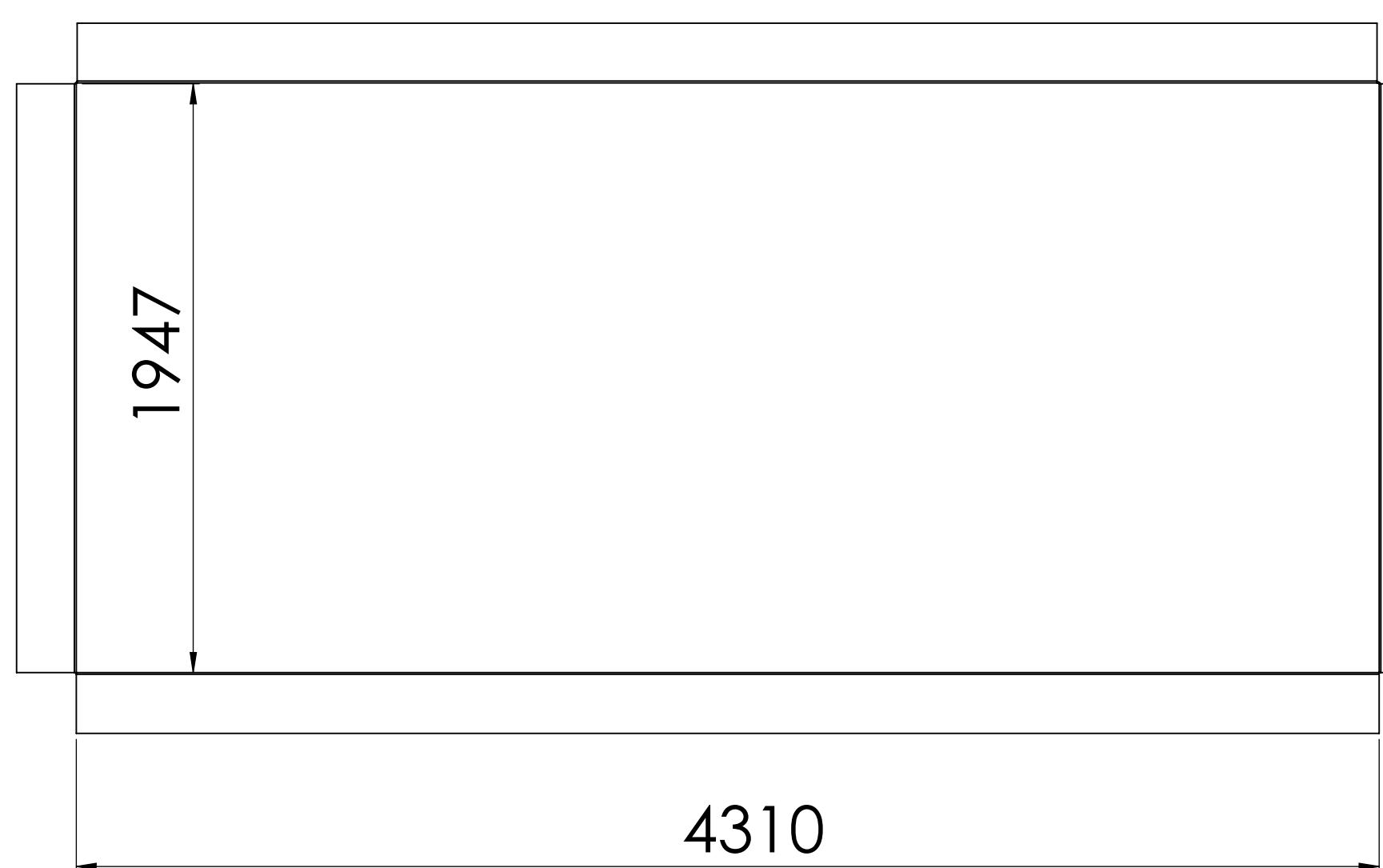


ITEM NO.	DESCRIPTION	QTY.
1	STORAGE HOPPER BOTTOM	1
2	STORAGE HOPPER TOP	1
3	SEPERATOR 1	1
4	SEPERATOR 2	1
5	pipe outlet	8
6	PIPE CONNECTOR 1	8



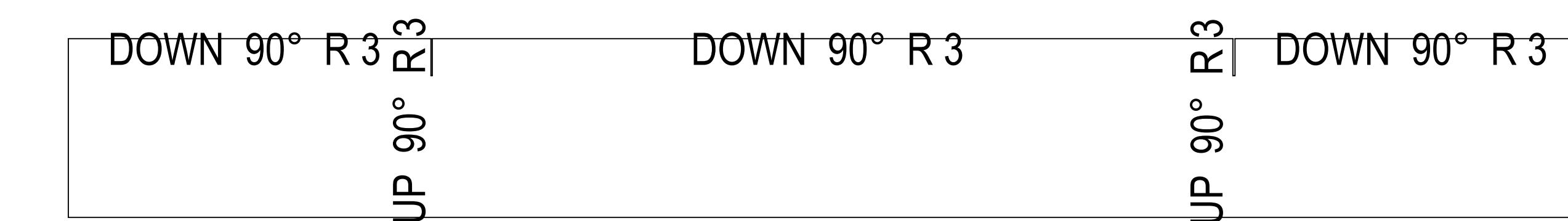
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 Approved by : Shijo Checked by : Vinayaka Prepared by : Jayapradhaban	DATE 23/08/2021	MATERIAL 3D CAD FILE (SAP DOC # - TYPE - VERSION #) PART NAME (SAP 3D CAD DIR DESCRIPTION)	WEIGHT DRAWING NUMBER (SAP DOC # - TYPE - VERSION #) THIRD ANGLE PROJECTION AA
GEOMETRIC DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994			

STORAGE HOPPER TOP PART



DOWN 90° R 3

ITEM NUMBER:1
FLAT PATTERN
SCALE: 1:20

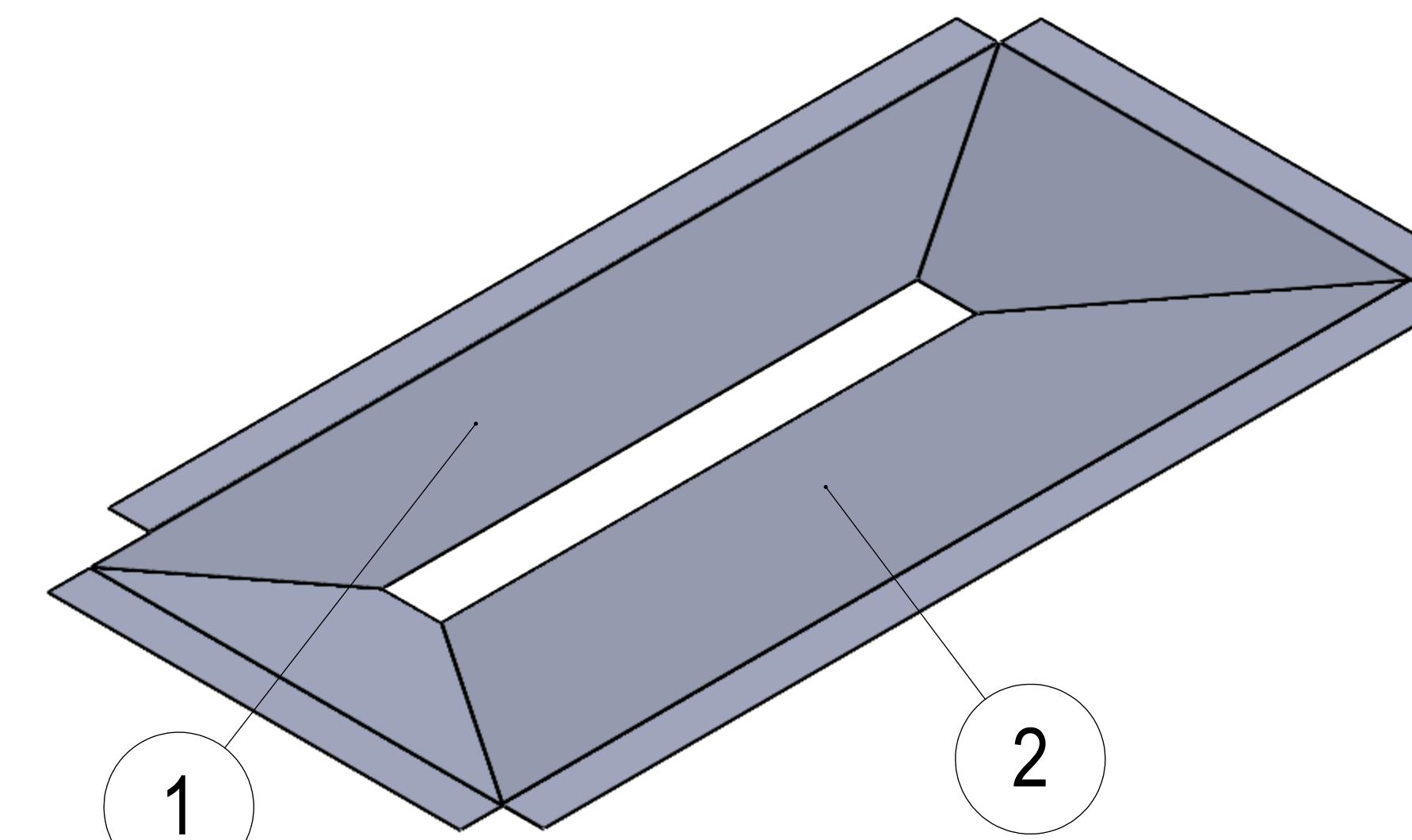
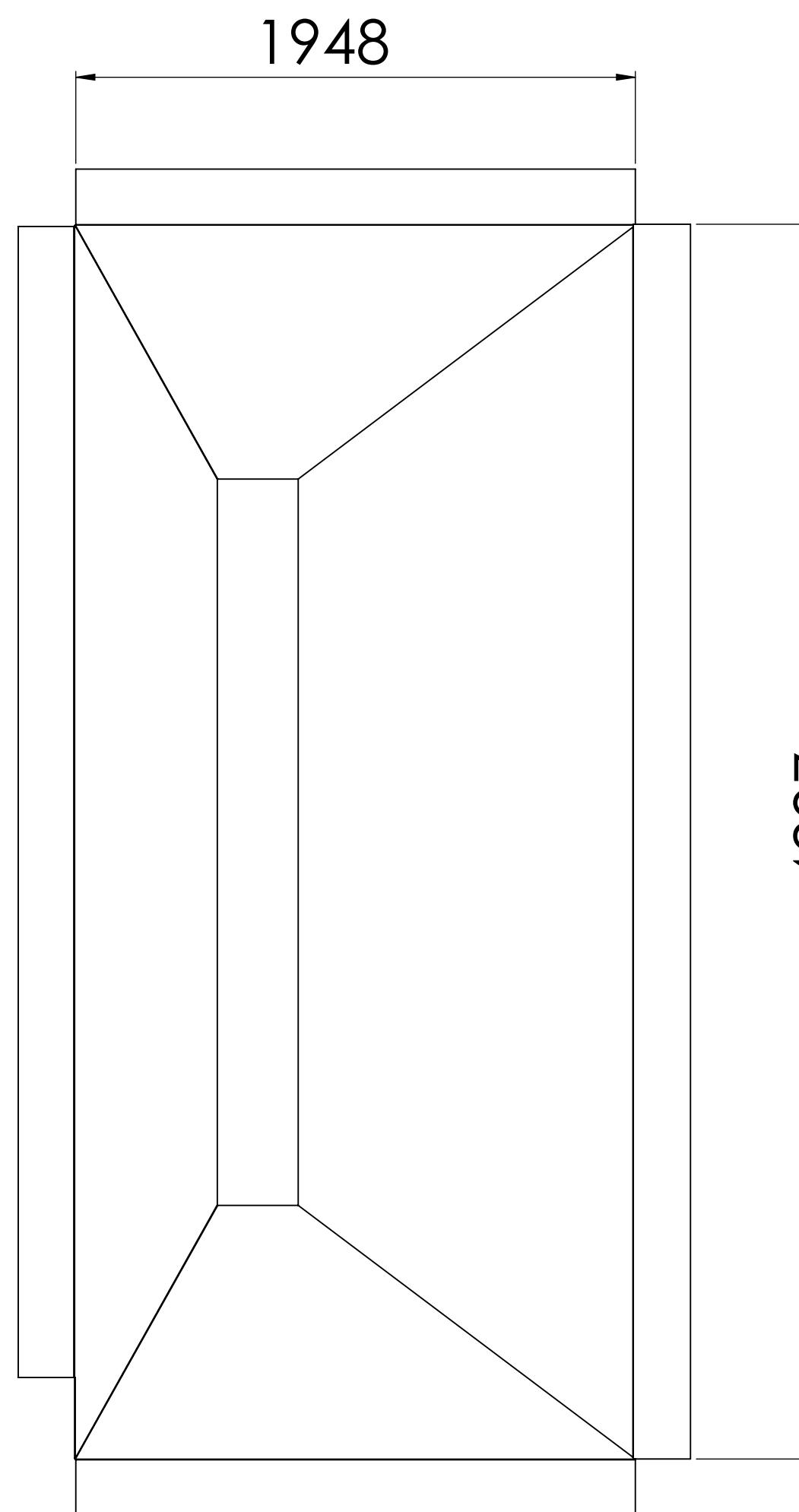


ITEM NUMBER:2
FLAT PATTERN
SCALE: 1:20

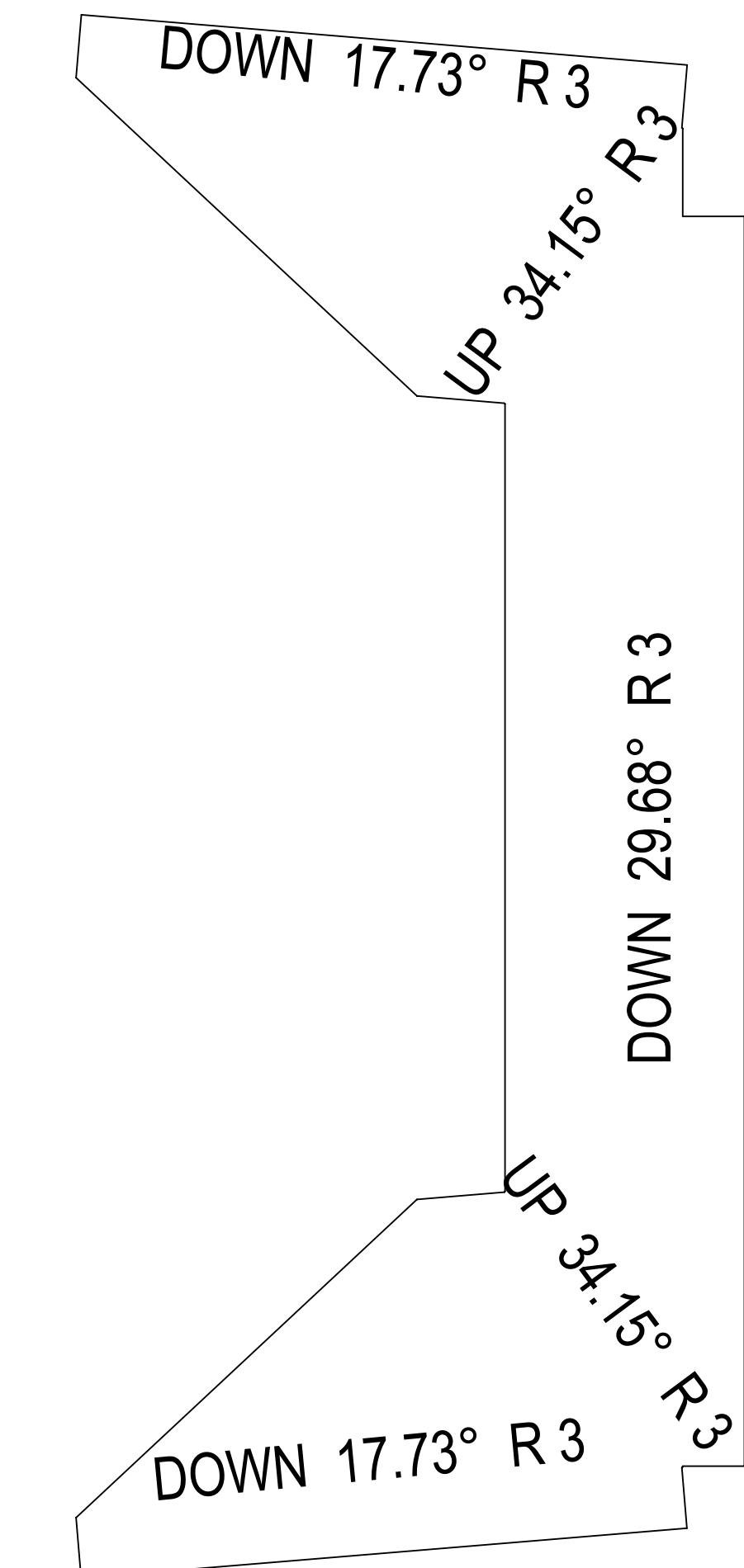
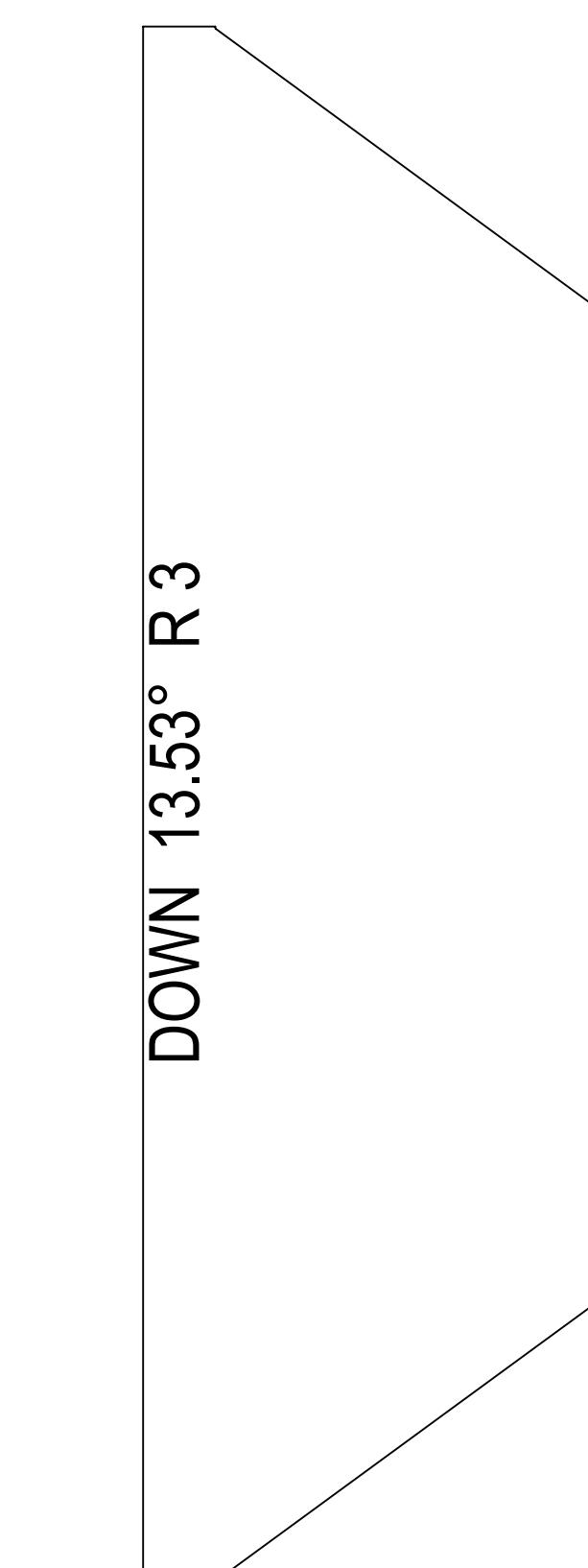
MATERIAL USED- MS
SHEET METAL THICKNESS- 3mm
RECOMENDED BENDING RADIUS- 3mm

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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	REVISION AA NOTES: NEW RELEASE
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Approved by :
Shijo
Checked by :
Vinayaka
Prepared by :
Jayapradhaban

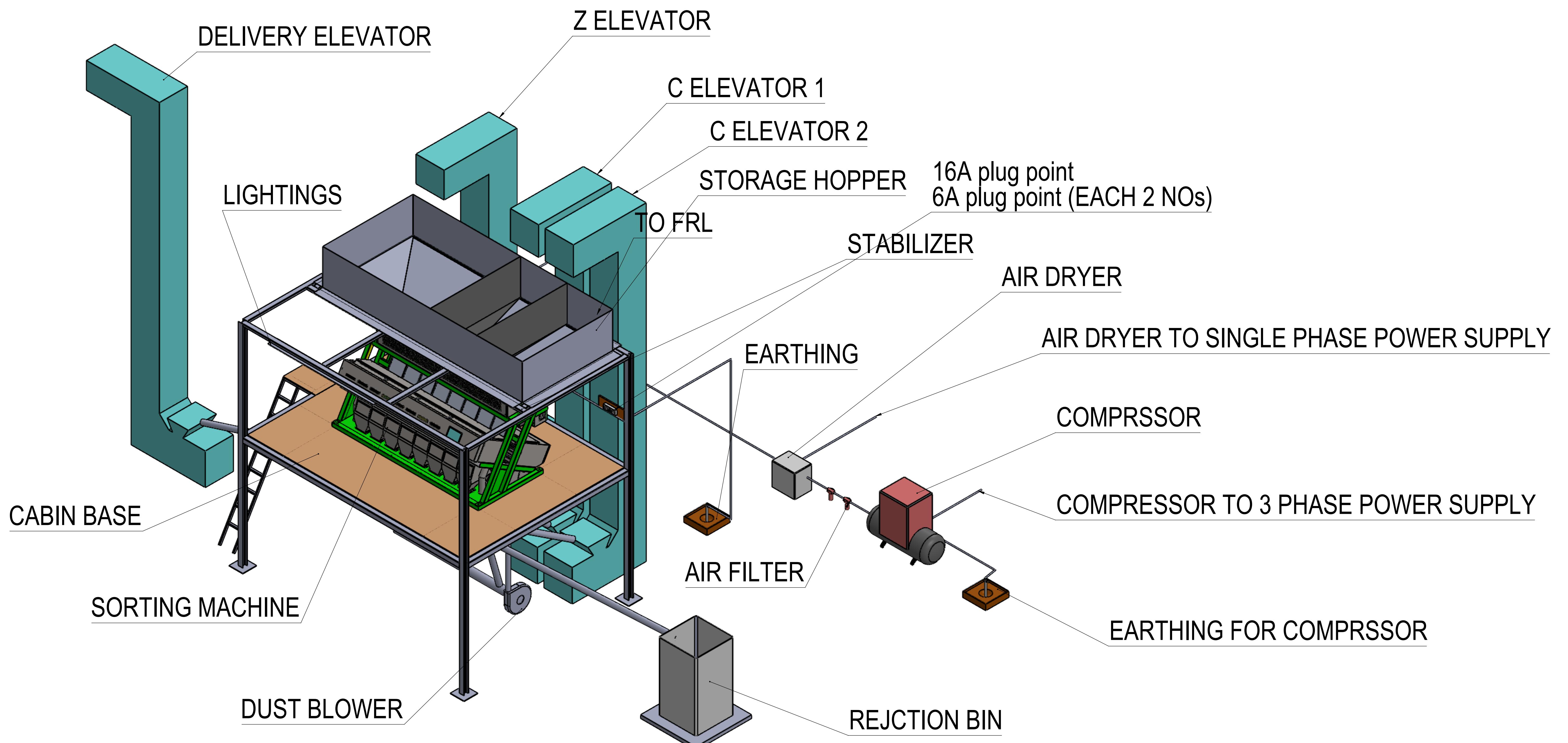
DATE
23/08/2021
PART NAME (SAP 3D CAD DIR DESCRIPTION)
3D CAD FILE (SAP DOC # - TYPE - VERSION #)

THIRD ANGLE PROJECTION
DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)

SHT 7 OF 13 SIZE D SCALE 1:20

AA

CABIN LAYOUT

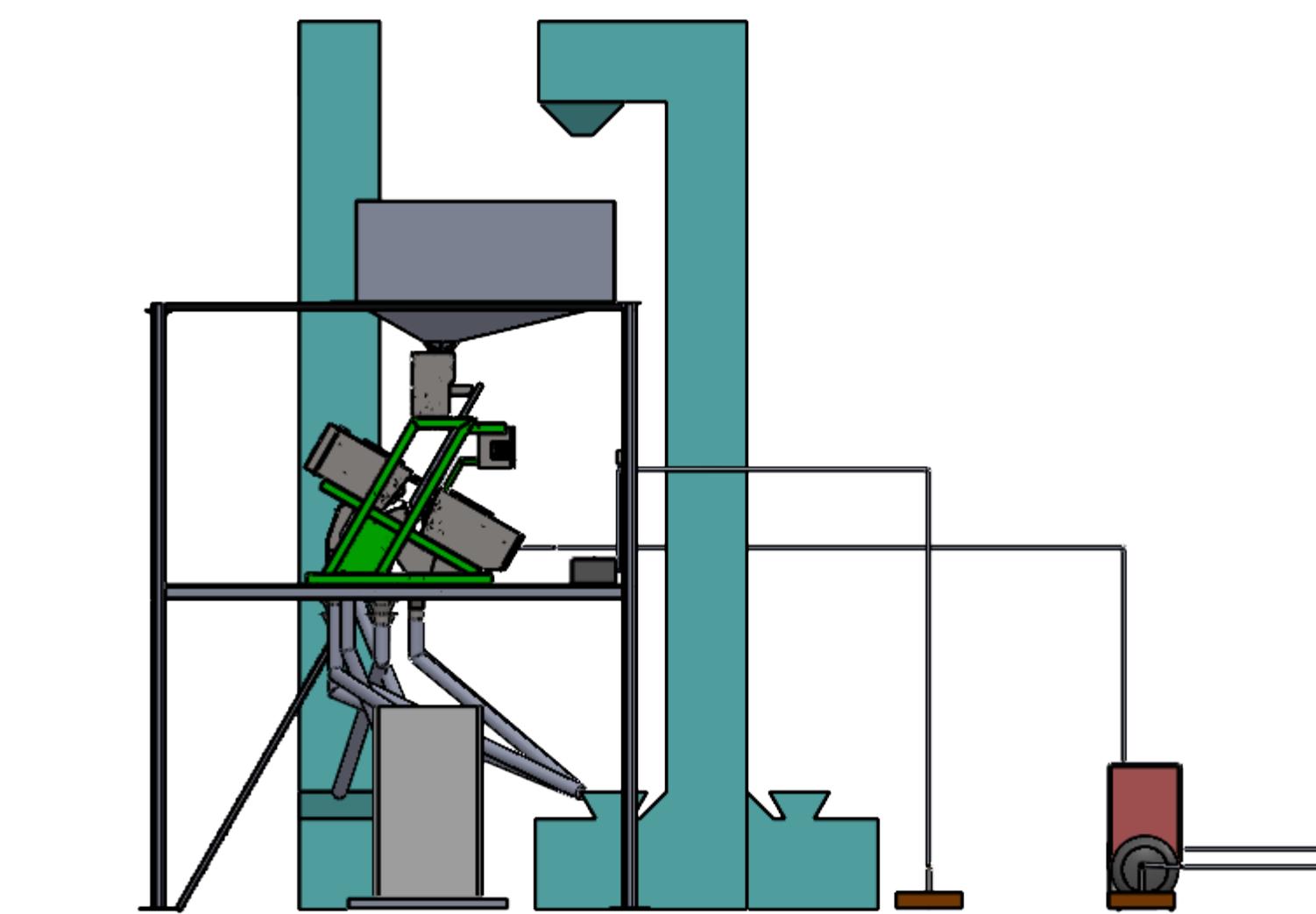
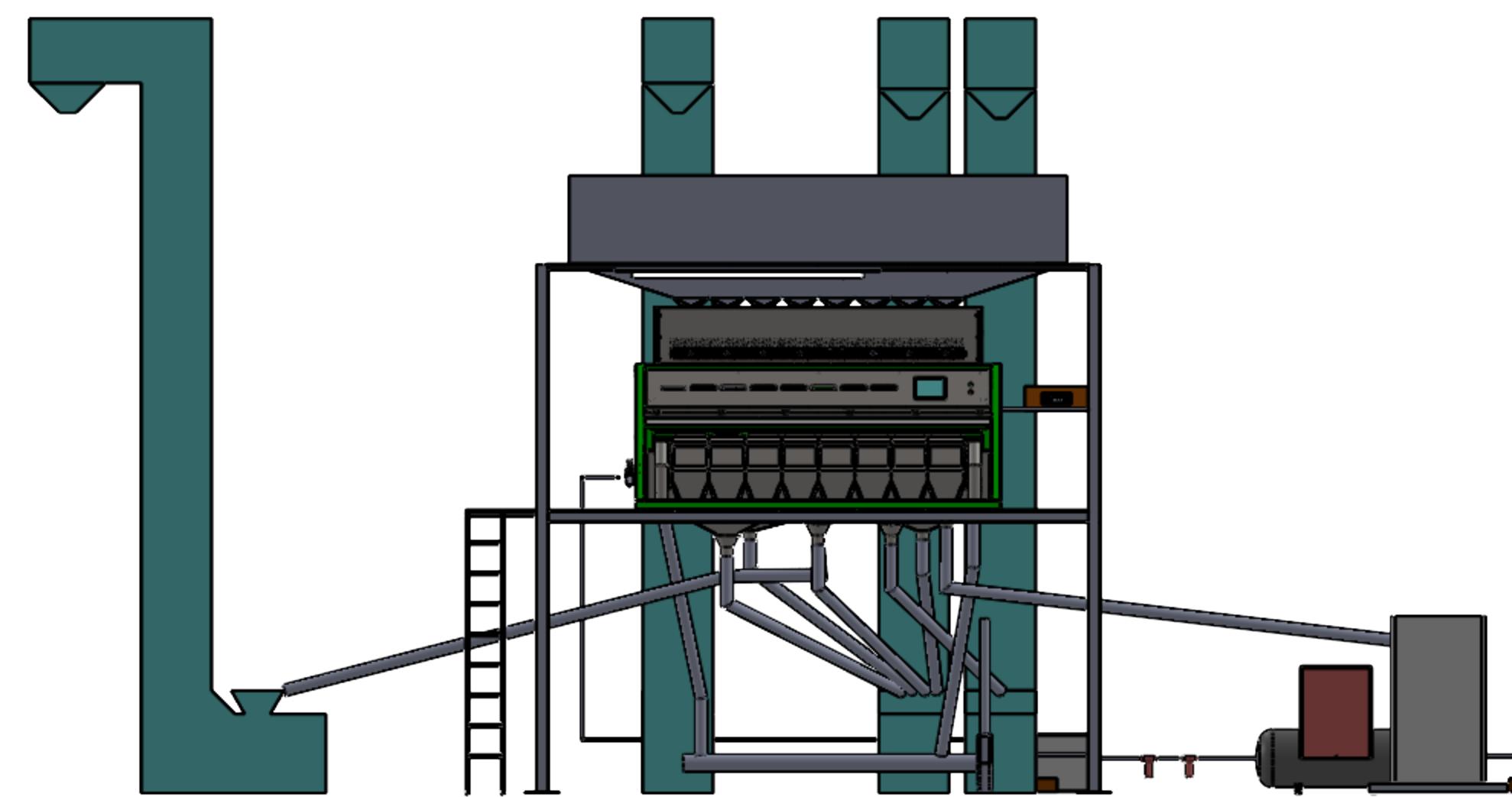
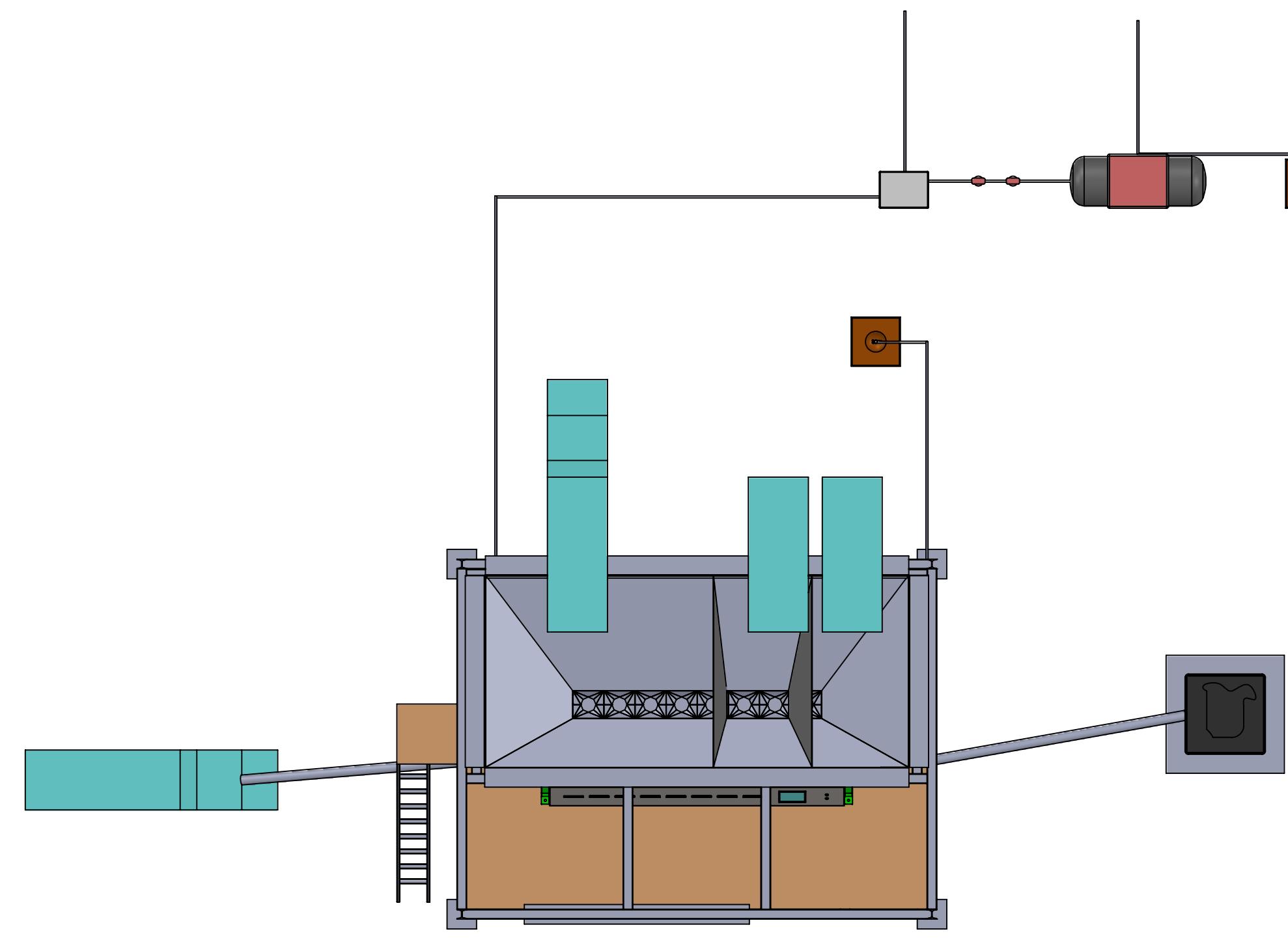


NOTE: THE LAYOUT SHOWN ABOVE IS FOR REPRESENTATION PURPOSE ONLY FRAME BASE CUTOUT AND STAIRCASE ARRANGEMENT CAN BE ALTERED AS PER REQUIREMENT. THE LIGHTINGS CAN ALSOBE POSITIONED AS PER CONVINIENCE.

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GEOMETRIC DIMENSIONING AND TOLERANCING IS IN ACCORDANCE WITH ASME Y14.5M-1994	Approved by :  Shijo Checked by : Vinayaka Prepared by : Jayapradhaban	DATE 23/08/2021	MATERIAL WEIGHT DRAWING NUMBER (SAP DOC # - TYPE - VERSION #) THIRD ANGLE PROJECTION SHT 8 OF 13 SIZE D SCALE 1:50
3D CAD FILE (SAP DOC # - TYPE - VERSION #)		PART NAME (SAP 3D CAD DIR DESCRIPTION)	REVISION AA

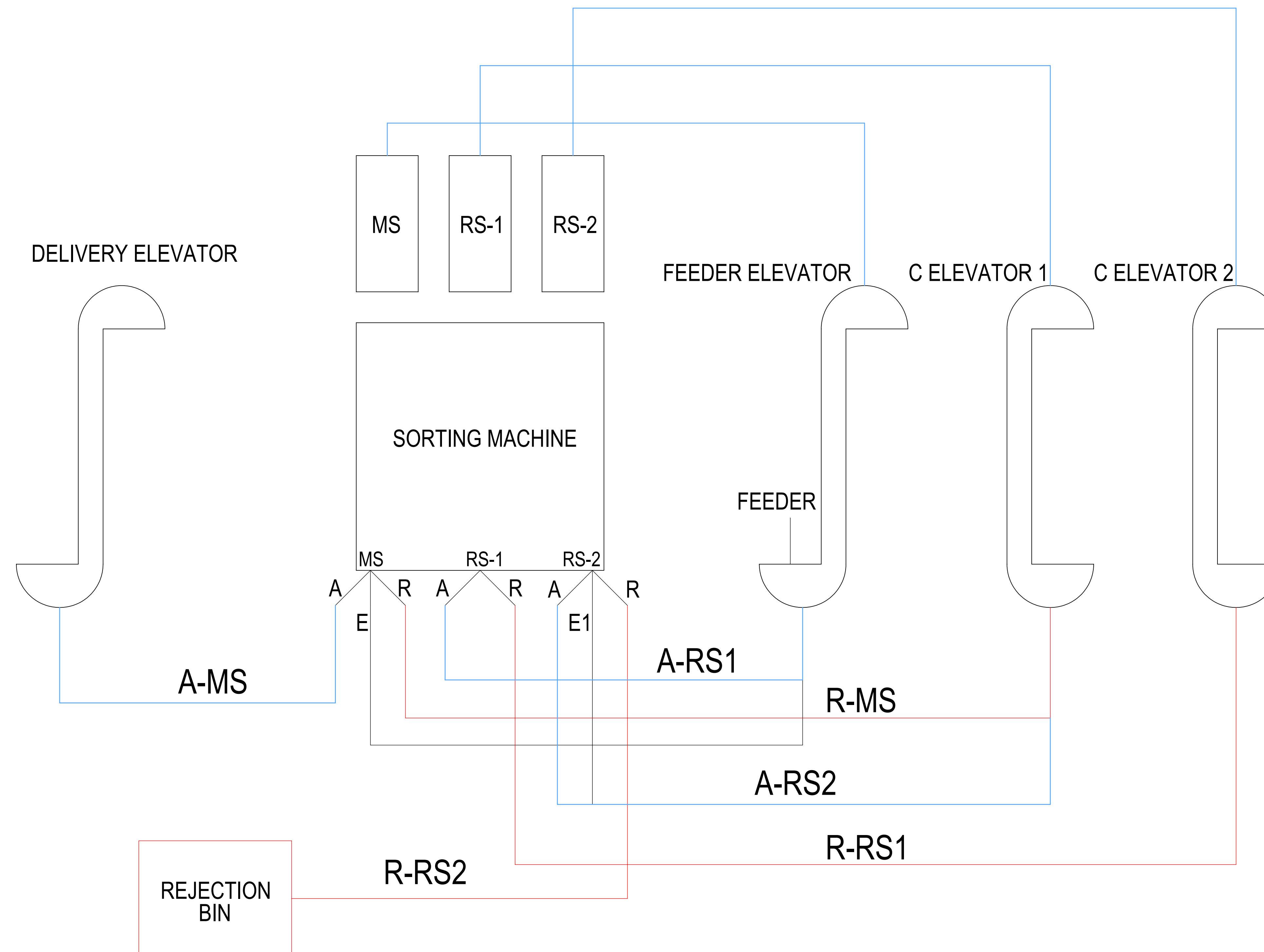
CABIN LAYOUT

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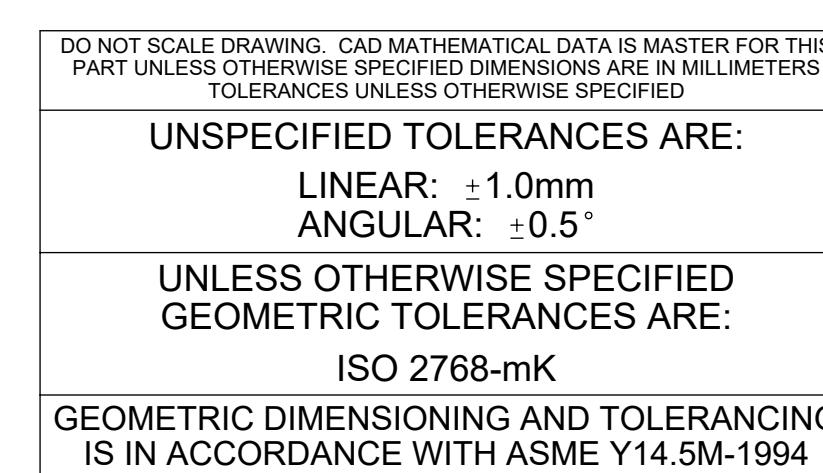
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CONNECTIONS



- MS- MAIN SORT
- RS1- RESORT 1
- RS2- RESORT 2
- A-MS- ACCEPTANCE FROM MAIN SORT
- R-MS- REJECTION FROM MAIN SORT
- E-MS- EXCESS MATERIL FORM MAIN SORT
- A-RS1- ACCEPTANCE FROM RESORT 1
- R-RS1- REJECTION FROM RESORT 1
- A-RS2- ACCEPTANCE FROM RESORT 2
- R-RS2- REJECTION FROM RESORT 2
- E-RS- EXCESS MATERIL FORM RESORT

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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 23/08/2021
3D CAD FILE (SAP DOC # - TYPE - VERSION #)	THIRD ANGLE PROJECTION	DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)	REVISION AA
PART NAME (SAP 3D CAD DIR DESCRIPTION)			
SHT 10	OF 13	SIZE D	SCALE 1:20



Approved by :
Shijo
Checked by :
Vinayaka
Prepared by :
Jayapradhaban

DATE
23/08/2021

3D CAD FILE (SAP DOC # - TYPE - VERSION #)

THIRD ANGLE PROJECTION

DRAWING NUMBER (SAP DOC # - TYPE - VERSION #)

PART NAME (SAP 3D CAD DIR DESCRIPTION)

SHT 10

OF 13

SIZE D

SCALE 1:20

SPECIFICATIONS

COMPRESSOR SPECIFICATIONS

1. 3PHASE 40HP COMPRESSOR REQUIRED
2. 63A MCB(WITH SWITCH FUSE UNIT) 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"

CONNECTING CABLE SPECIFICATIONS

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

STORAGE HOPPER SPECIFICATIONS

1. REFER DRAWINGS FOR DIMENTIONS
2. 7.7+ METER CUBE STORAGE CAPACITY
3. 4000+ kilograms OF GROUNDNUIT 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

MACHINE SPECIFICATIONS

1. MACHINE CAPACITY: 2000 TO 7500 KGS PER HOUR BASED 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 or 1.5 inch \odot PIPE

DUST BLOWER SPECIFICATIONS

1. 4inch PIPES TO BE USED TO CONNECT THE DUST BLOWER.
2. 7.5HP DUST BLOWER TO BE USED

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	Checked by : Vinayaka
	Prepared by : Jayapradhaban
	3D CAD FILE (SAP DOC # - TYPE - VERSION #) PART NAME (SAP 3D CAD DIR DESCRIPTION) DRAWING NUMBER (SAP DOC # - TYPE - VERSION #) THIRD ANGLE PROJECTION
	SHT 11 OF 13 SIZE D SCALE 1:50 AA

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

Quarterly maintenance

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

Weekly maintenance

1. Electrical box fan dust filter clean

Yearly maintenance

1. Change filter in FRL Unit

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	3D CAD FILE (SAP DOC # - TYPE - VERSION #) PART NAME (SAP 3D CAD DIR DESCRIPTION) DRAWING NUMBER (SAP DOC # - TYPE - VERSION #) THIRD ANGLE PROJECTION SHT 12 OF 13 SIZE D SCALE 1:50

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

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