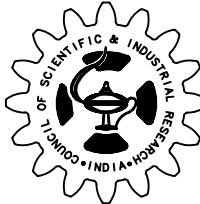
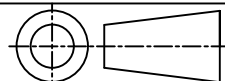
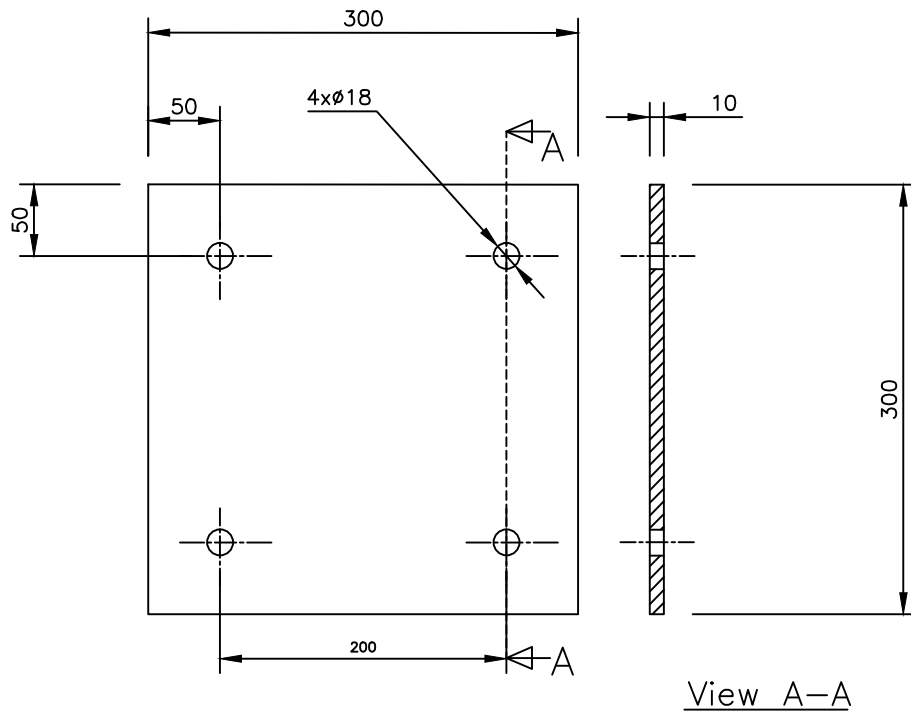
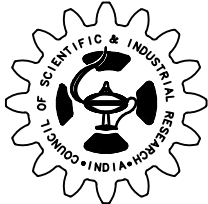


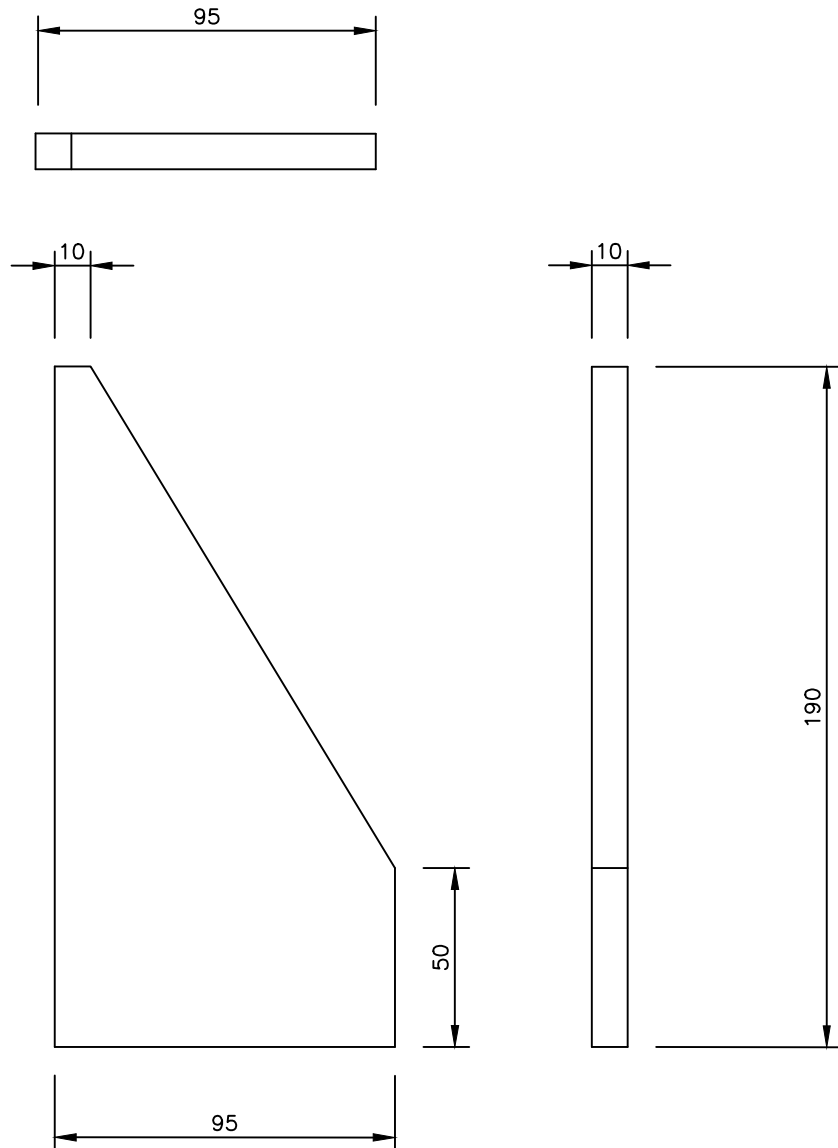
07	BACK STOPER			02	MS			
PART NO.		DESCRIPTION		QUANTITY	MATERIAL		SPECIFICATION/DWG. NO.	REMARKS
<div>SCALE: 1:5</div> <div>DO NOT SCALE</div>				SIGNATURE		DATE		<div></div> <div>CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE (C M E R I) DURGAPUR; W.B.</div>
				DSGN. Dr.T.MURUGAN				
				LAYOUTSARBESWAR MURMU		17/01/2024		
				DRN. SARBESWAR MURMU		17/01/2024		
				CHKD. Dr.T.MURUGAN				
				COMPUTER FILE NAME				
				<div>BACK STOPER</div>				PROJECT NO.: GAP-236312
								APPROVED <div></div>
				<div>DETAIL:—</div> <div>PV BACK STOPER</div>				REP01-00.00.00.07
								SHEET 1 OF 1MOD.NO.: 0
				DRAWING NO.				
Mod. date	No. off	Ref.	Ini- tials					

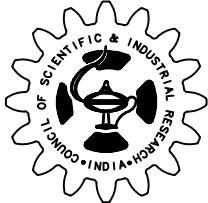
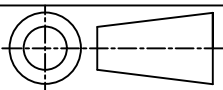
(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
(C). WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.



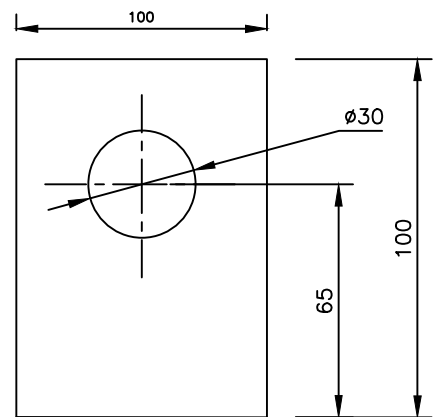
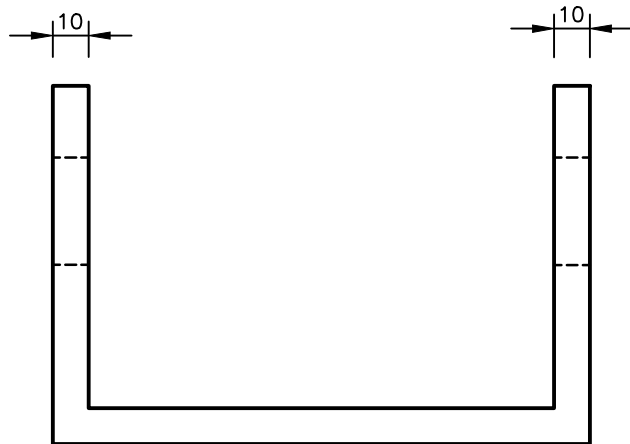
12	BASE PLATE	02	MS	300x300X10	
PART NO.	DESCRIPTION	QUANTITY	MATERIAL	SPECIFICATION/DWG. NO.	REMARKS
SCALE: 1:5		SIGNATURE		DATE	 <p>CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE (C M E R I) DURGAPUR; W.B.</p>
DO NOT SCALE		DSGN.	Dr.T.MURUGAN		
		LAYOUT	SARBESWAR MURMU	24/01/2024	
		DRN.	SARBESWAR MURMU	24/01/2024	
		CHKD.	Dr.T.MURUGAN		
		COMPUTER FILE NAME			
		<p>BASE PLATE</p> <p>DETAIL:-</p> <p>BASE PLATE</p>			PROJECT NO.: GAP-236312
					APPROVED
					<p>REP01-00.00.00.12</p> <p>SHEET 1 OF 1 MOD.NO.: 0</p> <p>DRAWING NO.</p>
Mod. date	No. off	Ref.	Ini-tials		

(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.



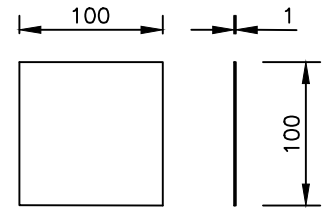
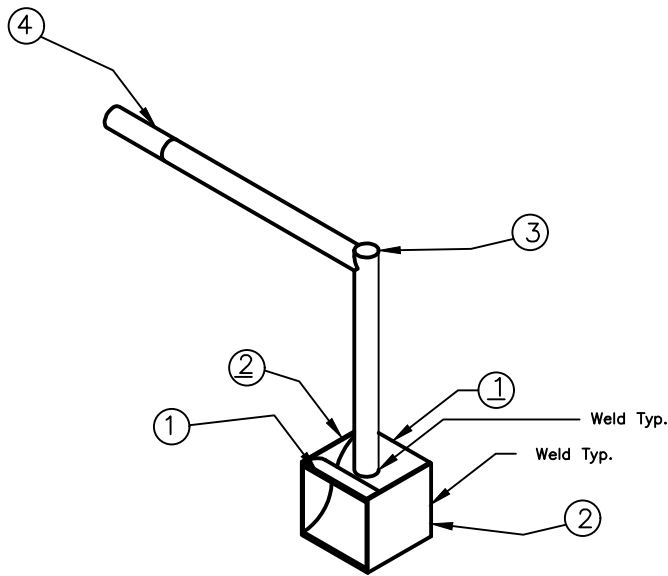
13	BASE SUPPORT PLATE	08	MS		
PART NO.	DESCRIPTION	QUANTITY	MATERIAL	SPECIFICATION/DWG. NO.	REMARKS
SCALE: 1:5		SIGNATURE		DATE	 <p>CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE (C M E R I) DURGAPUR; W.B.</p>
DO NOT SCALE		DSGN.	Dr.T.MURUGAN		
		LAYOUT	SARBESWAR MURMU	24/01/2024	
		DRN.	SARBESWAR MURMU	24/01/2024	
		CHKD.	Dr.T.MURUGAN		
		COMPUTER FILE NAME			
		BASE SUPPORT PLATE			PROJECT NO.: GAP-236312
		DETAIL:-			APPROVED 
		BOTTOM BASE SUPPORT PLATE			REP01-00.00.00.13
Mod. date	No. off	Ref.	Ini-tials	SHEET 1 OF 1 MOD.NO.: 0 DRAWING NO.	

(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.

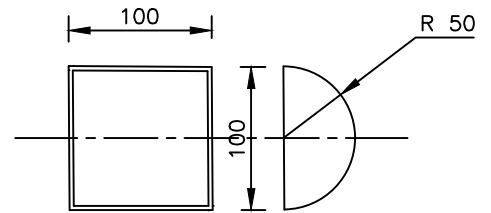


03	C SECTION	02	MS	150x100x10	
PART NO.	DESCRIPTION	QUANTITY	MATERIAL	SPECIFICATION/DWG. NO.	REMARKS
SCALE: 1:2		SIGNATURE		DATE	<p>CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE (C M E R I) DURGAPUR; W.B.</p>
DO NOT SCALE		DSGN.	Dr.T.MURUGAN		
		LAYOUT	SARBESWAR MURMU	09/01/2024	
		DRN.	SARBESWAR MURMU	09/01/2024	
		CHKD.	Dr.T.MURUGAN		
		COMPUTER FILE NAME			
		C SECTION			PROJECT NO.: GAP-236312
		DETAIL:-			APPROVED
		COLUMN C SECTION			
Mod. date	No. off	Ref.	Ini-tials	REP01-00.00.00.03 SHEET 1 OF 1 MOD.NO.: 0 DRAWING NO.	

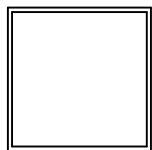
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(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.



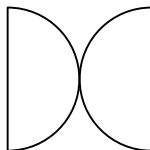
SIDE PLATE
PART No.-2
QTY.-02 No.



SEMICIRCLE PART
PART No.-1
QTY.-02 No.



FRONT VIEW



SIDE VIEW

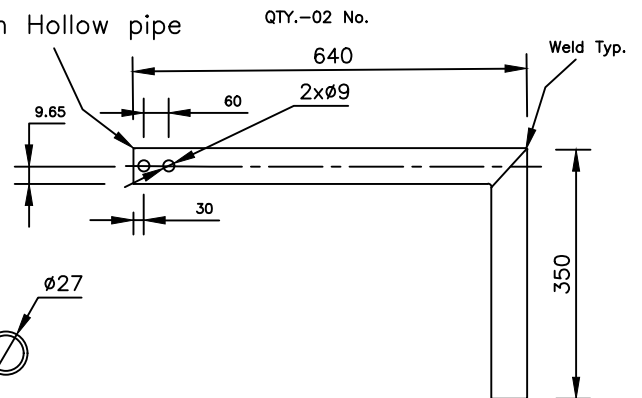


TOP VIEW

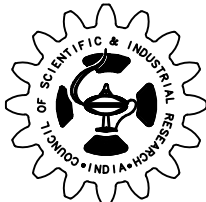
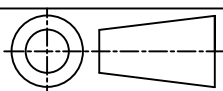
BUCKET ASSEMBLY VIEW



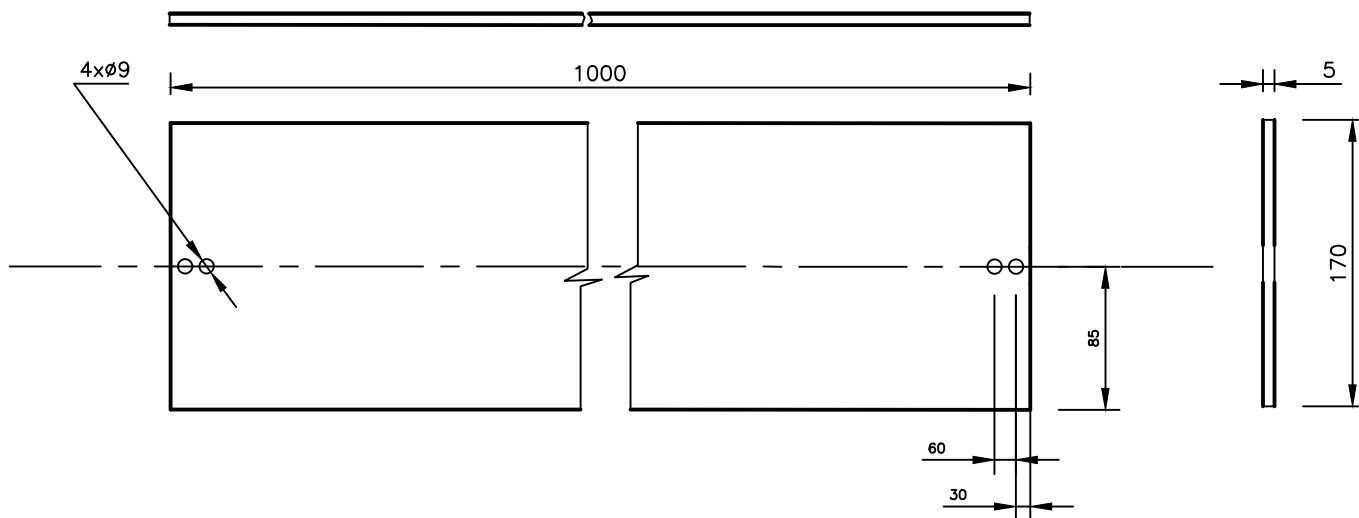
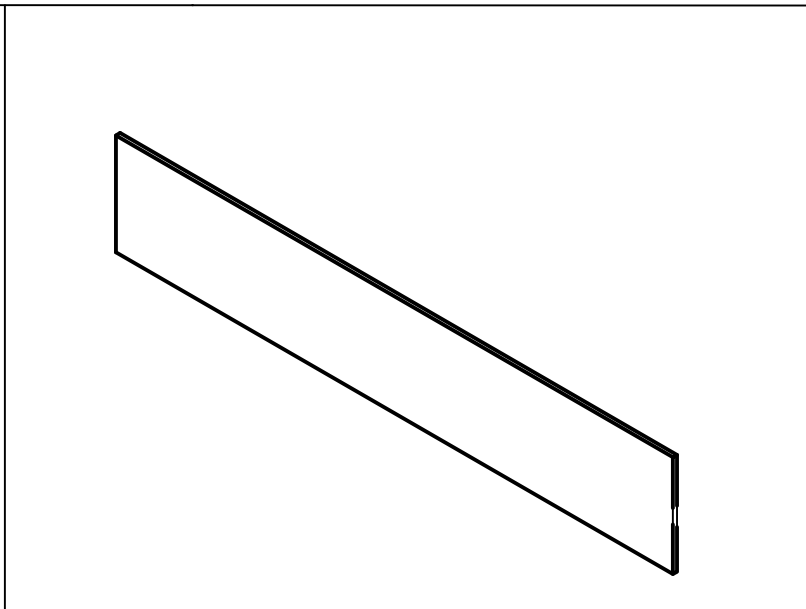
HOLLOW PIPE
PART No.-4
QTY.-01 No.



HOLLOW PIPE
PART No.-3
QTY.-01 No.

10	BUCKET ASSEMBLY			02	MS		
PART NO.		DESCRIPTION		QUANTITY	MATERIAL	SPECIFICATION/DWG. NO.	REMARKS
SCALE: 1:5				SIGNATURE	DATE	<div><div>CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE (C M E R I) DURGAPUR; W.B.</div></div>	
		DSGN.	Dr.T.MURUGAN				
DO NOT SCALE		LAYOUT	SARBESWAR MURMU	24/01/2024			
		DRN.	SARBESWAR MURMU	24/01/2024			
		CHKD.	Dr.T.MURUGAN				
				COMPUTER FILE NAME			
				PROJECT NO.: GAP-236312			
				APPROVED 			
				REP01-00.00.00.10			
				SHEET 1 OF 1 MOD.NO.: 0			
				DRAWING NO.			
Mod. date	No. off	Ref.	Ini-tials				

(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.



09	FLAT PLATE	01	Aluminium	100X100X5	
PART NO.	DESCRIPTION	QUANTITY	MATERIAL	SPECIFICATION/DWG. NO.	REMARKS
SCALE: 1:5		SIGNATURE		DATE	
DO NOT SCALE		DSGN. Dr.T.MURUGAN		09/08/2023	
		LAYOUT SARBESWAR MURMU		09/08/2023	
		DRN. SARBESWAR MURMU		09/08/2023	
		CHKD. Dr.T.MURUGAN			
		COMPUTER FILE NAME			
		FLAT PLATE			
		DETAIL:-			
		TOP FLAT PLATE			
Mod. date	No. off	Ref.	Ini-tials		

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DURGAPUR; W.B.**

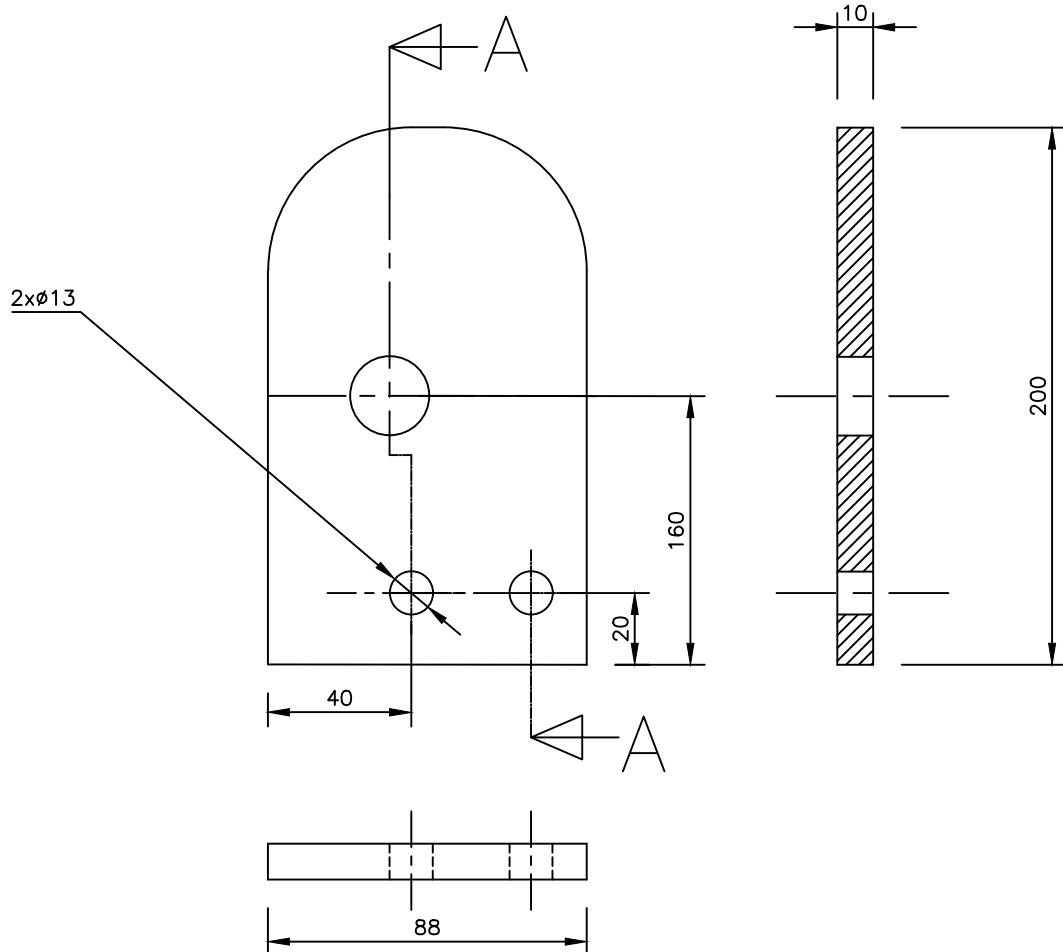
PROJECT NO.: GAP-236312

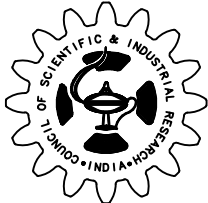
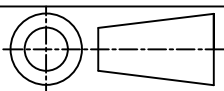
APPROVED

REP01-00.00.00.09

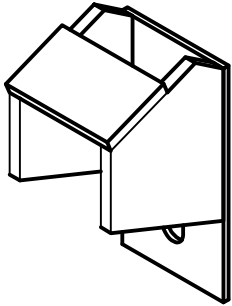
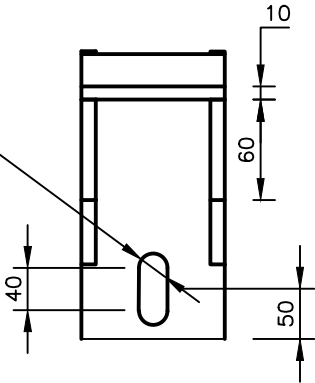
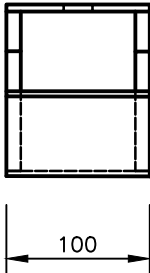
SHEET 1 OF 1 MOD.NO.: 0
DRAWING NO.

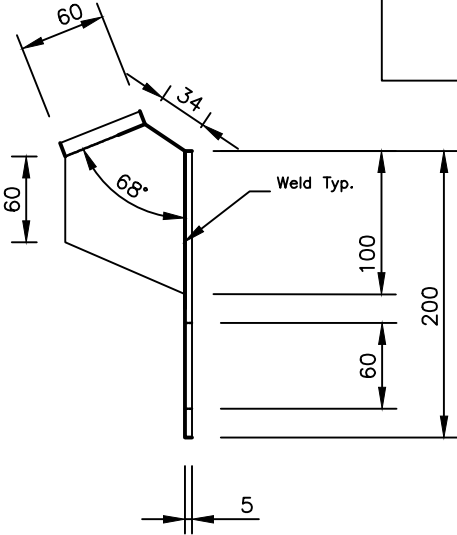
(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.



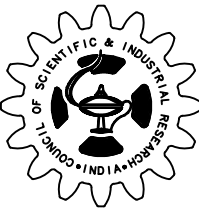
08	FLAT PLATE SUPPORT	02	MS		
PART NO.	DESCRIPTION	QUANTITY	MATERIAL	SPECIFICATION/DWG. NO.	REMARKS
SCALE: 1:2		SIGNATURE		DATE	 <p>CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE (C M E R I) DURGAPUR; W.B.</p>
DO NOT SCALE		DSGN.	Dr.T.MURUGAN		
		LAYOUT	SARBESWAR MURMU	16/01/2024	
		DRN.	SARBESWAR MURMU	16/01/2024	
		CHKD.	Dr.T.MURUGAN		
		COMPUTER FILE NAME			
		FLAT PLATE SUPPORT			PROJECT NO.: GAP-236312
		DETAIL:-			APPROVED 
		TOP FLAT PLATE SUPPORT			REP01-00.00.00.08
Mod. date	No. off	Ref.	Ini-tials	SHEET 1 OF 1 MOD.NO.: 0 DRAWING NO.	

(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.



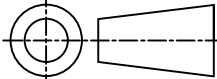
06	FRONT STOPER	02	MS		
PART NO.	DESCRIPTION	QUANTITY	MATERIAL	SPECIFICATION/DWG. NO.	REMARKS
SCALE: 1:5		SIGNATURE		DATE	
DO NOT SCALE		DSGN.	Dr.T.MURUGAN		
		LAYOUT	SARBESWAR MURMU	17/01/2024	
		DRN.	SARBESWAR MURMU	17/01/2024	
		CHKD.	Dr.T.MURUGAN		
		COMPUTER FILE NAME			
		FRONT STOPER			
		DETAIL:-			
		PV FRONT STOPER			
Mod. date	No. off	Ref.	Ini-tials		



CENTRAL MECHANICAL
ENGINEERING
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(C M E R I)
DURGAPUR; W.B.

PROJECT NO.: GAP-236312

APPROVED



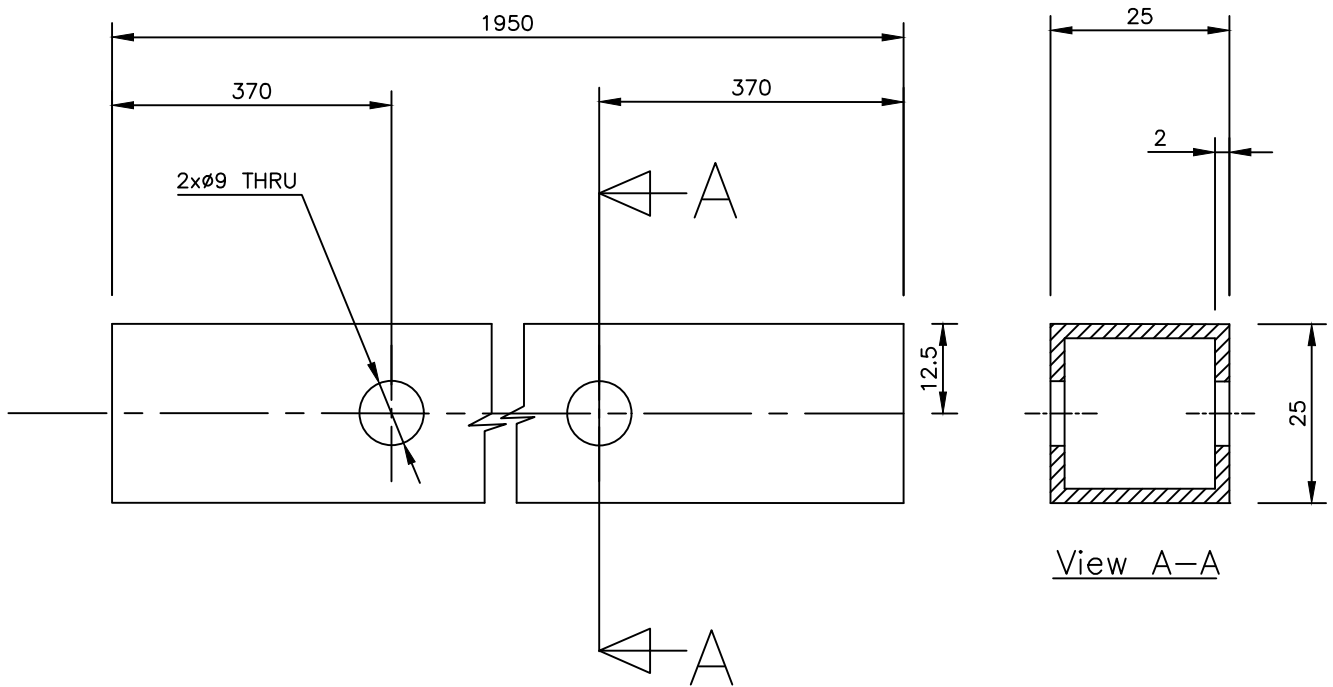
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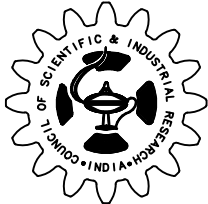
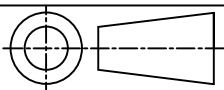
SHEET 1 OF 1 MOD.NO.: 0

DRAWING NO.

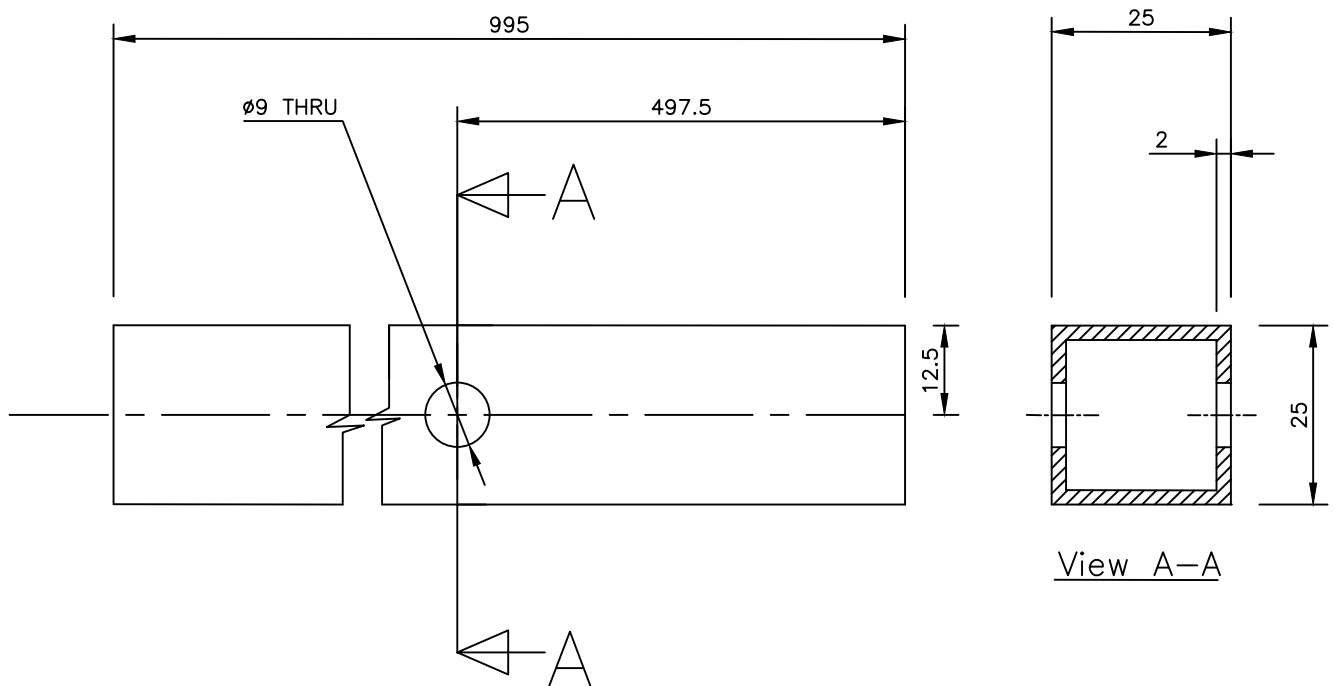
(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.

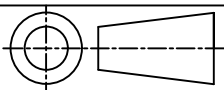
(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.



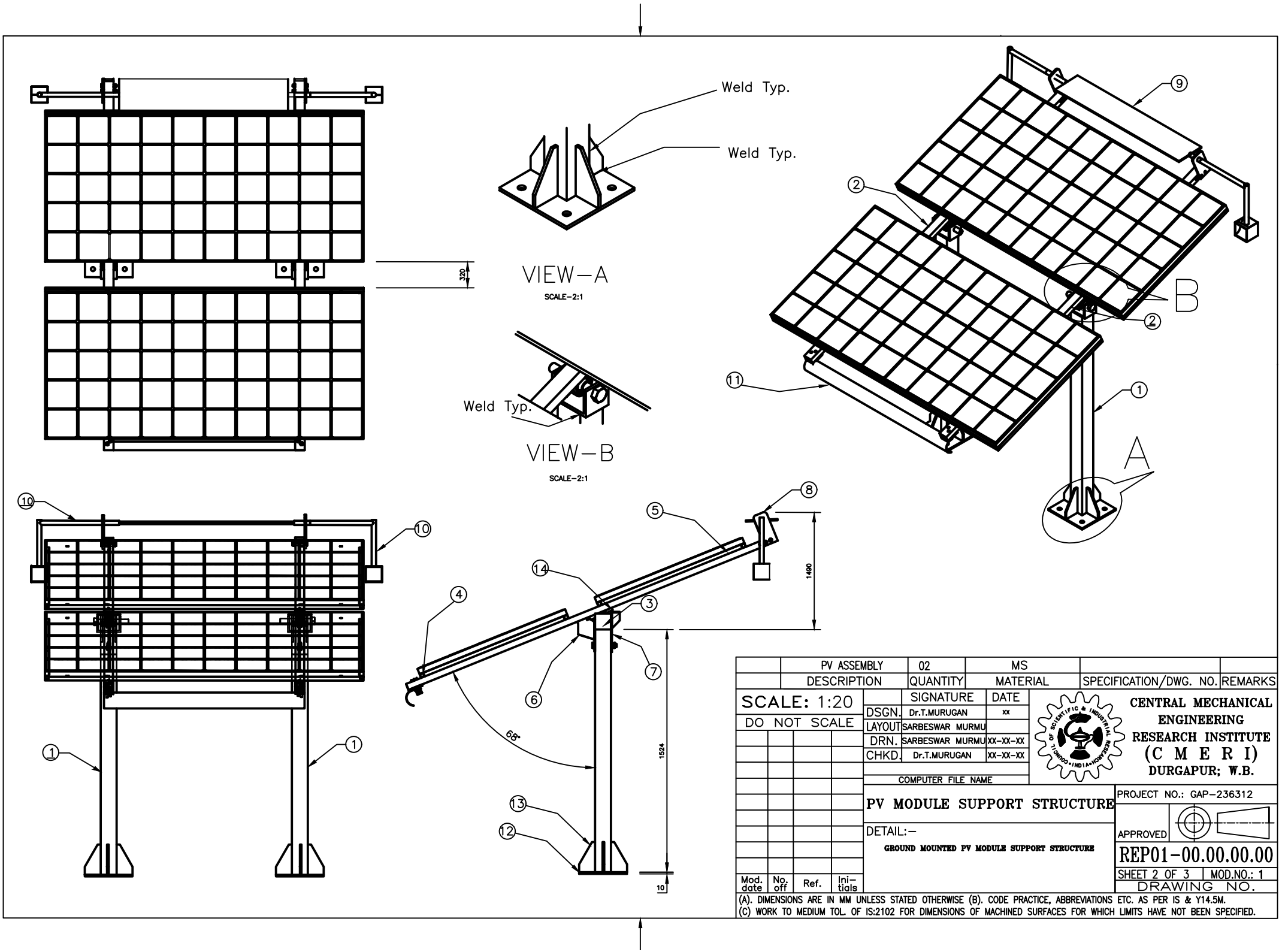
04	LATTERAL MEMBER	04	MS	25X25X2	
PART NO.	DESCRIPTION	QUANTITY	MATERIAL	SPECIFICATION/DWG. NO.	REMARKS
SCALE: 1:1		SIGNATURE		DATE	 <p>CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE (C M E R I) DURGAPUR; W.B.</p>
DO NOT SCALE		DSGN.	Dr.T.MURUGAN		
		LAYOUT	SARBESWAR MURMU	09/08/2023	
		DRN.	SARBESWAR MURMU	09/08/2023	
		CHKD.	Dr.T.MURUGAN		
		COMPUTER FILE NAME			
		LATTERAL MEMBER			PROJECT NO.: GAP-236312
		DETAIL:-			APPROVED 
		LATTERAL SUPPORT MEMBER			REP01-00.00.00.04
Mod. date	No. off	Ref.	Ini-tials	SHEET 1 OF 1 MOD.NO.: 0 DRAWING NO.	


(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.



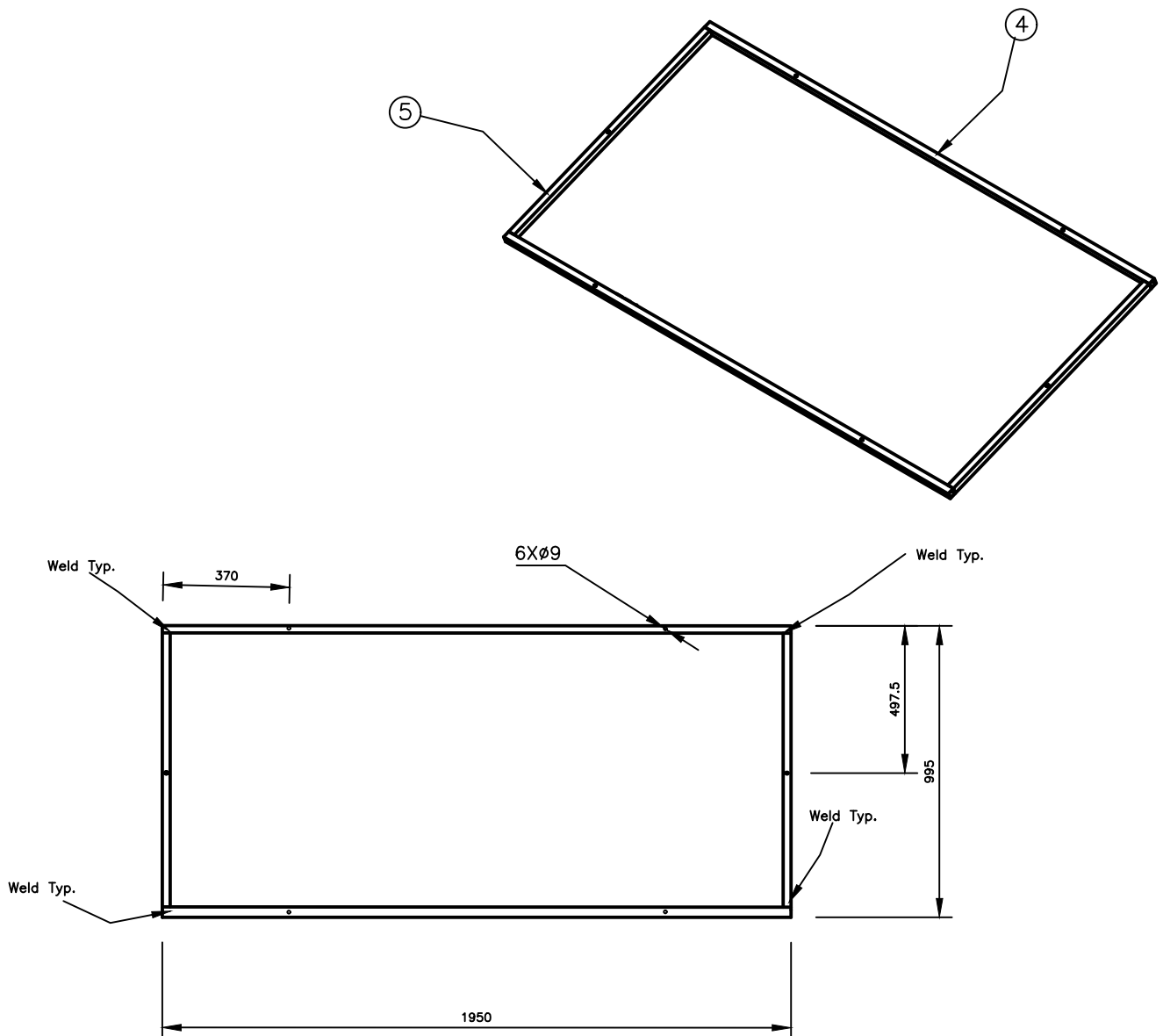
05	LATTEAL MEMBER	04	MS	25X25X2	
PART NO.	DESCRIPTION	QUANTITY	MATERIAL	SPECIFICATION/DWG. NO.	REMARKS
SCALE: 1:1		SIGNATURE		DATE	
DO NOT SCALE		DSGN.	Dr.T.MURUGAN		
		LAYOUT	SARBESWAR MURMU	09/08/2023	
		DRN.	SARBESWAR MURMU	09/08/2023	
		CHKD.	Dr.T.MURUGAN		
		COMPUTER FILE NAME			
		LATTERAL MEMBER			
		DETAIL:-			
		LATTERAL SMALL MEMBER			
Mod. date	No. off	Ref.	Ini-tials		
				PROJECT NO.: GAP-236312	
				APPROVED 	
				REP01-00.00.00.05	
				SHEET 1 OF 1 MOD.NO.: 0	
				DRAWING NO.	

(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.



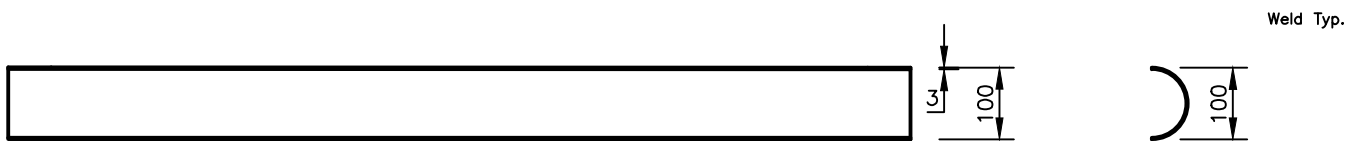
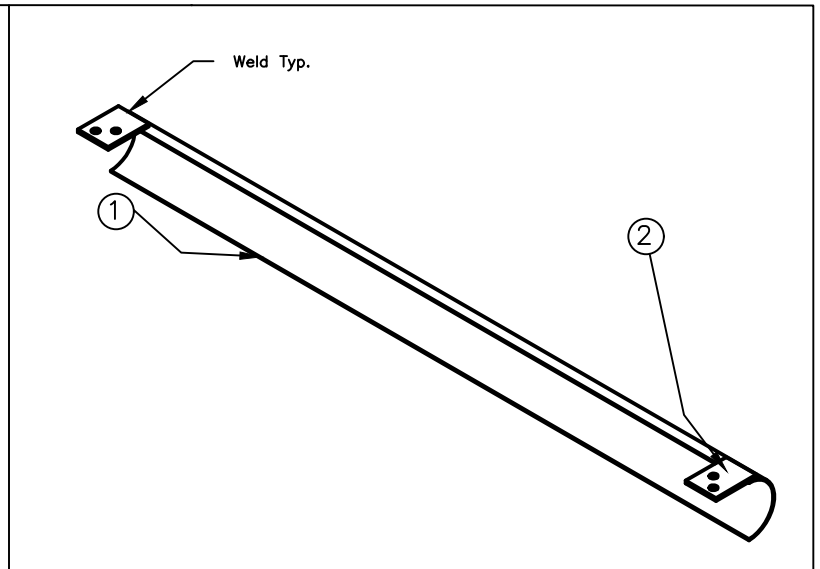
PV ASSEMBLY		02	MS		CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE (C M E R I) DURGAPUR, W.B.
DESCRIPTION		QUANTITY	MATERIAL		
SCALE: 1:20		DSGN.	Dr.T.MURUGAN	DATE	xx
DO NOT SCALE		LAYOUT	SARBESWAR MURMU	PROJECT NO.: GAP-236312	
		DRN.	SARBESWAR MURMU	APPROVED	
		CHKD.	Dr.T.MURUGAN	SHEET 2 OF 3	
		COMPUTER FILE NAME		MOD.NO.: 1	
		PV MODULE SUPPORT STRUCTURE		DRAWING NO.	
		DETAIL:-		REP01-00.00.00.00	
		GROUND MOUNTED PV MODULE SUPPORT STRUCTURE			
Mod. date	No. off	Ref.	Ini-tials		

(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.



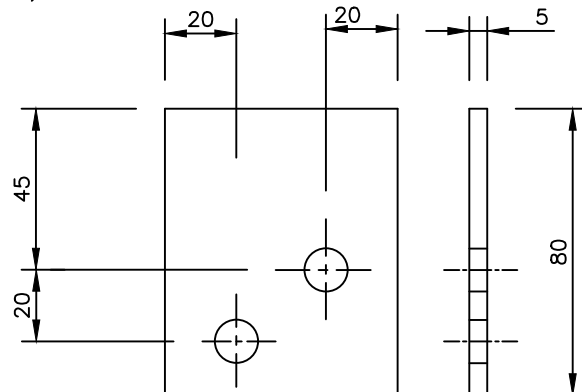
PV FRAME ASSEMBLY		02	MS	--	--
DESCRIPTION		QTY/ASSY.	MATERIAL	--	REMARKS
SCALE:1:20		SIGNATURE		DATE	
DO NOT SCALE		DSGN. Dr.T.MURUGAN			
		LAYOUT SARBESWAR MURMU		02/01/2024	
		DRN. SARBESWAR MURMU		02/01/2024	
		CHKD. Dr.T.MURUGAN			
		COMPUTER FILE NAME			
		PV FRAME ASSEMBLY			
		DETAIL:-			
		PV INSTALLATION FRAME ASSEMBLY			
Mod. date	No. off	Ref.	Ini-tials		
				PROJECT NO.: GAP-236312	
				APPROVED	
				REP01-00.00.00.00	
				SHEET 1 OF 3 MOD.NO.: 0	
				DRAWING NO.	

(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.



SEMICIRCLE PART (1:10)

PART No.-1
QTY.-01 No.



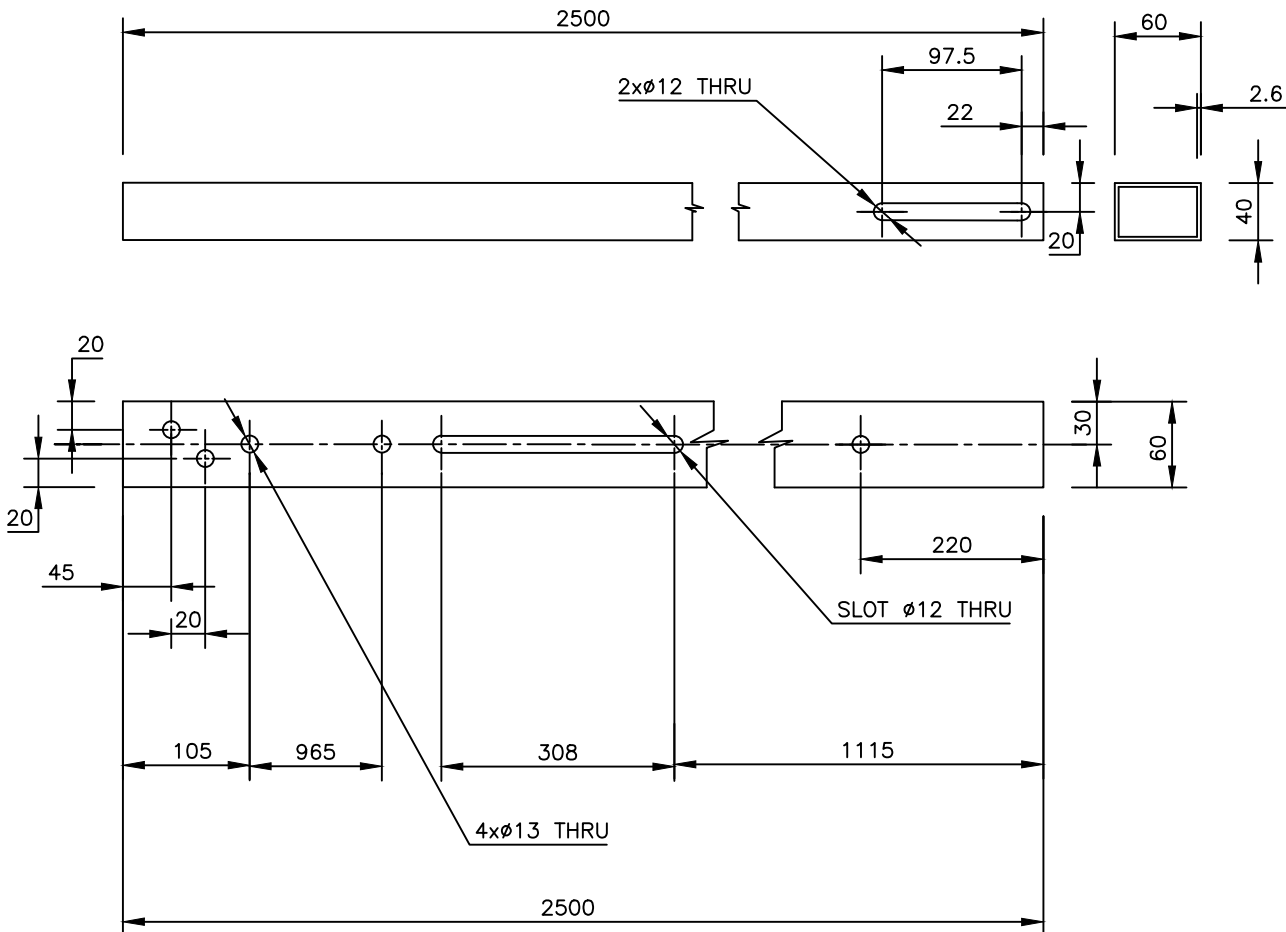
JOINT PLATE (1:2)

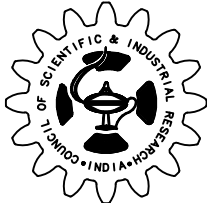
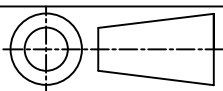
PART No.-2
QTY.-02 Nos.

11	SEMI CIRCLE PART	01	MS		
PART NO.	DESCRIPTION	QUANTITY	MATERIAL	SPECIFICATION/DWG. NO.	REMARKS
SCALE:		SIGNATURE		DATE	<p>CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE (C M E R I) DURGAPUR; W.B.</p>
DO NOT SCALE		DSGN.	Dr.T.MURUGAN		
		LAYOUT	SARBESWAR MURMU	09/08/2023	
		DRN.	SARBESWAR MURMU	09/08/2023	
		CHKD.	Dr.T.MURUGAN		
		COMPUTER FILE NAME			
		SEMI CIRCLE			PROJECT NO.: GAP-236312
		DETAIL:-			APPROVED
		SEMI CIRCLE			
Mod. date	No. off	Ref.	Ini-tials	REP01-00.00.00.11 SHEET 1 OF 1 MOD.NO.: 0 DRAWING NO.	

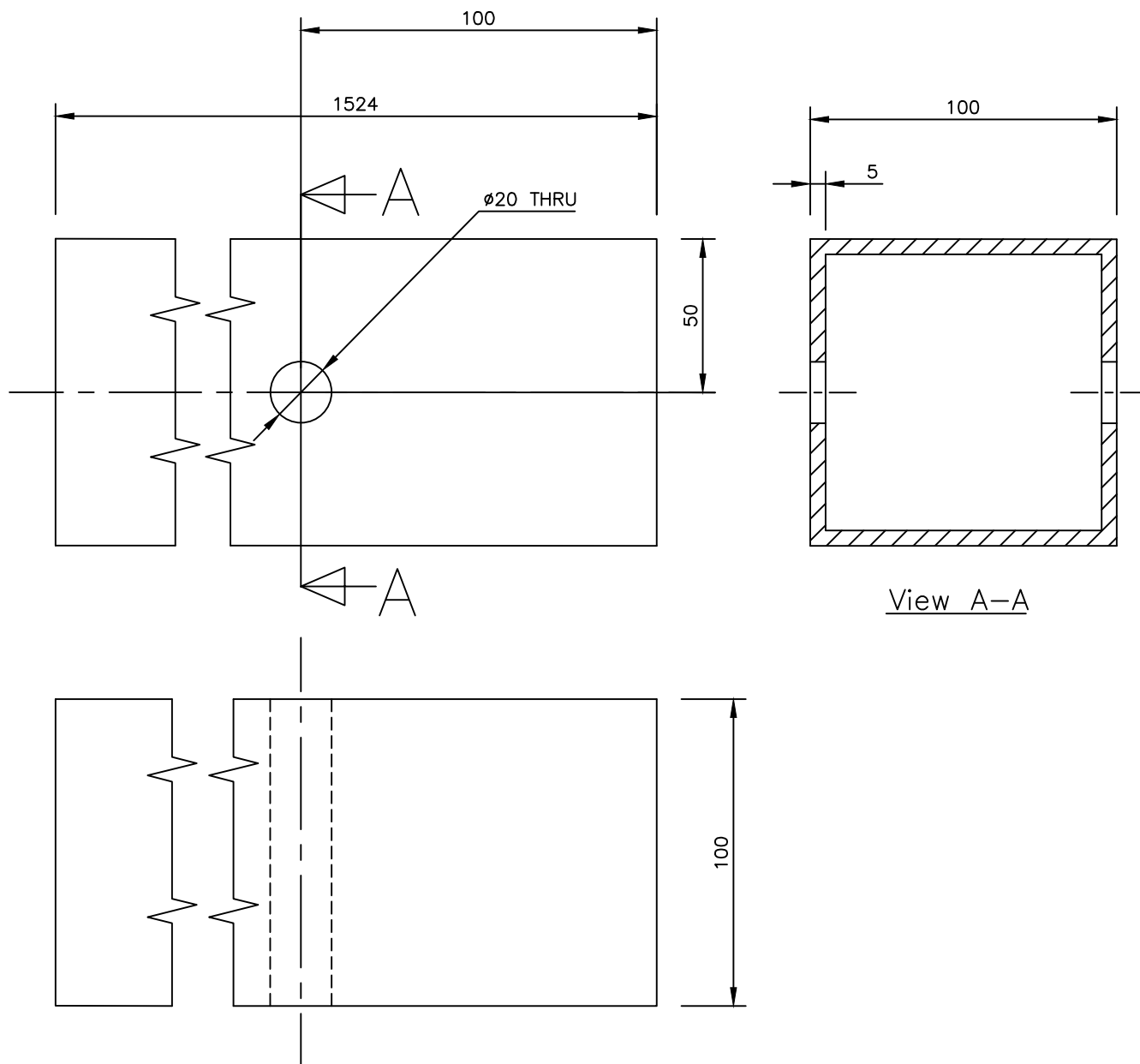
(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.


16	REP01-00.00.00.00	02	PV MODULE SUPPORT STRUCTURE		--
15	REP01-00.00.00.00	02	PV FRAME ASSEMBLY		--
14		02	PILLOW BLOCK BALL BEARING	BEARING HOLE-30MM	--
13	REP01-00.00.00.13	08	MS BOTTOM BASE SUPPORT PLATE		--
12	REP01-00.00.00.12	02	BASE PLATE	300x300X10	--
11	REP01-00.00.00.11	01	SEMI CIRCLE PART		--
10	REP01-00.00.00.10	02	BUCKET ASSEMBLY		--
09	REP01-00.00.00.09	01	ALUMINIUM FLAT PLATE	1000x170x5	--
08	REP01-00.00.00.08	02	FLAT PLATE SUPPORT		--
07	REP01-00.00.00.07	02	BACK STOPER		--
06	REP01-00.00.00.06	02	FRONT STOPER	70x70X5	--
05	REP01-00.00.00.05	04	LATTERAL MEMBER	25x25X2	--
04	REP01-00.00.00.04	04	LATTERAL MEMBER	25x25X2	--
03	REP01-00.00.00.03	02	C SECTION	150x100X10	--
02	REP01-00.00.00.02	02	MS HOLLOW PIPE	60x40X2.6	--
01	REP01-00.00.00.01	02	MS SQ. HOLLOW BAR	100x100X5	--



02	TOP MEMBER	02	MS	60X40X2.6	
PART NO.	DESCRIPTION	QUANTITY	MATERIAL	SPECIFICATION/DWG. NO.	REMARKS
SCALE: 1:5		SIGNATURE		DATE	 <p>CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE (C M E R I) DURGAPUR; W.B.</p>
DO NOT SCALE		DSGN.	Dr.T.MURUGAN		
		LAYOUT	SARBESWAR MURMU	16/01/2024	
		DRN.	SARBESWAR MURMU	16/01/2024	
		CHKD.	Dr.T.MURUGAN		
		COMPUTER FILE NAME			
HORIZONTAL MEMBER					PROJECT NO.: GAP-236312
DETAIL:-					APPROVED
TOP HORIZONTAL MEMBER					
Mod. date	No. off	Ref.	Ini-tials	REP01-00.00.00.02 SHEET 1 OF 1 MOD.NO.: 0 DRAWING NO.	

(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
 (C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.



01	COLUMN	02	MS	100X100X5	
PART NO.	DESCRIPTION	QUANTITY	MATERIAL	SPECIFICATION/DWG. NO.	REMARKS
SCALE: 1:2		SIGNATURE		DATE	
DO NOT SCALE		DSGN. Dr.T.MURUGAN		09/01/2024	
		LAYOUT SARBESWAR MURMU		09/01/2024	
		DRN. SARBESWAR MURMU		09/01/2024	
		CHKD. Dr.T.MURUGAN			
		COMPUTER FILE NAME			
		VERTICAL COLUMN			
		DETAIL:-			
		VERTICAL COLUMN			
		PROJECT NO.: GAP-236312			
		APPROVED 			
		REP01-00.00.00.01			
		SHEET 1 OF 1 MOD.NO.: 0			
		DRAWING NO.			

(A). DIMENSIONS ARE IN MM UNLESS STATED OTHERWISE (B). CODE PRACTICE, ABBREVIATIONS ETC. AS PER IS & Y14.5M.
(C) WORK TO MEDIUM TOL. OF IS:2102 FOR DIMENSIONS OF MACHINED SURFACES FOR WHICH LIMITS HAVE NOT BEEN SPECIFIED.