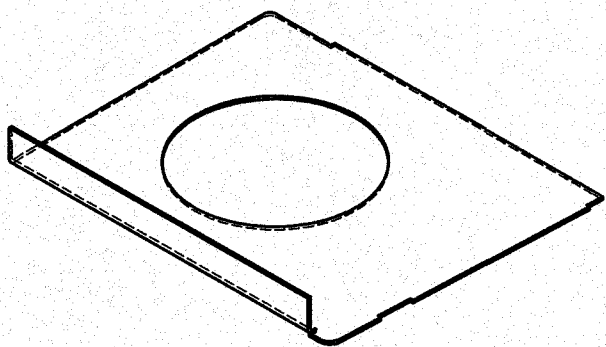
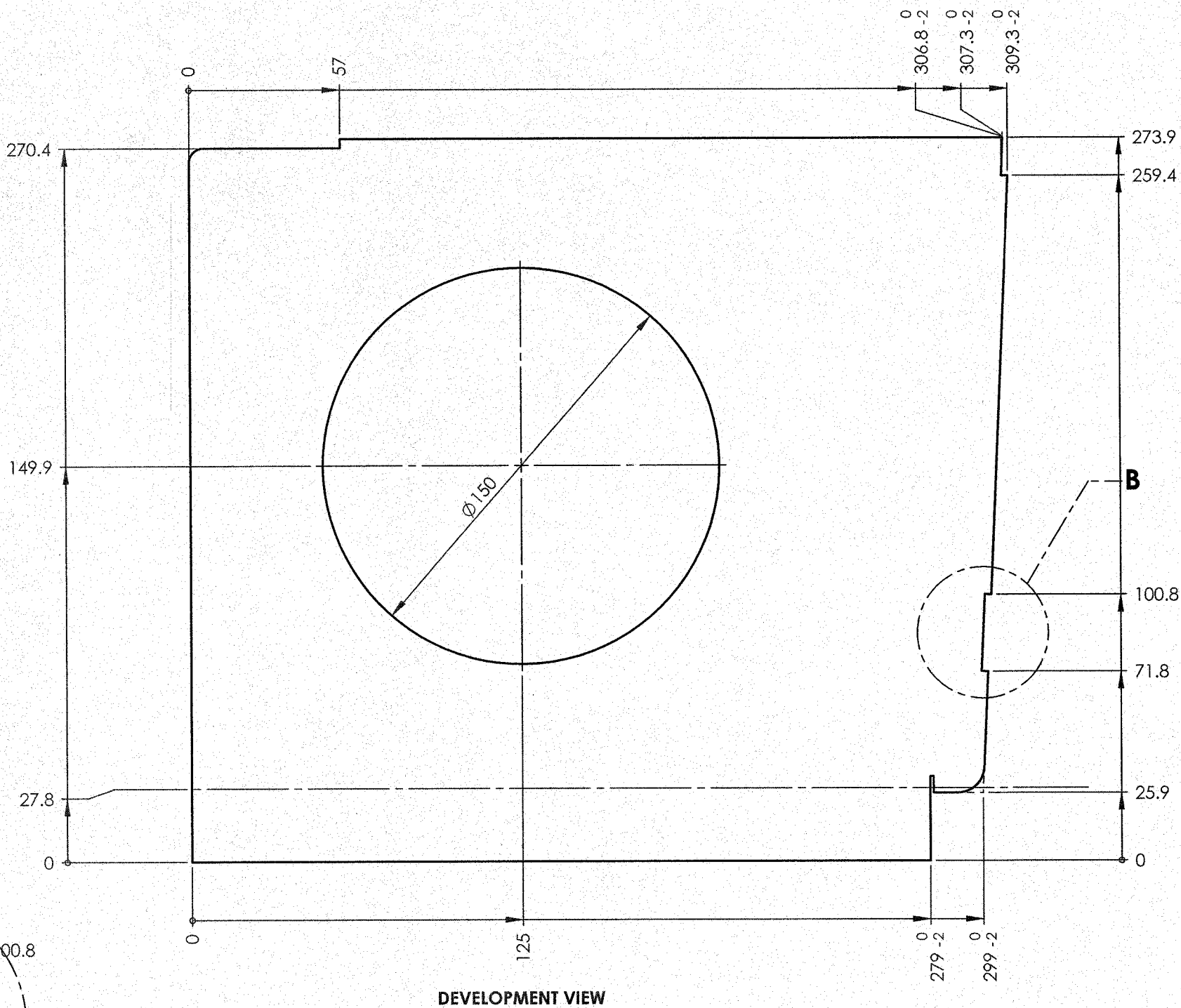
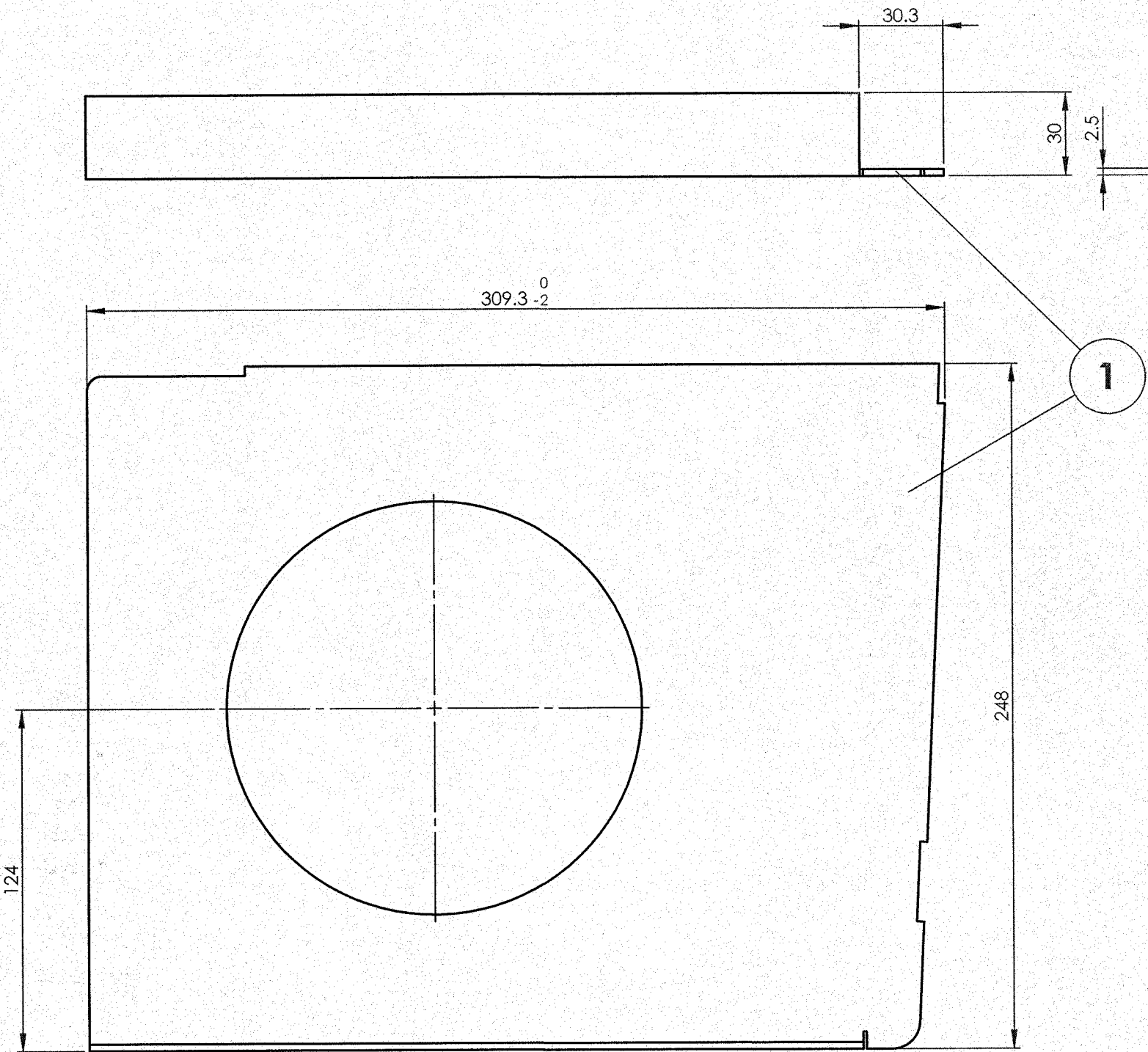


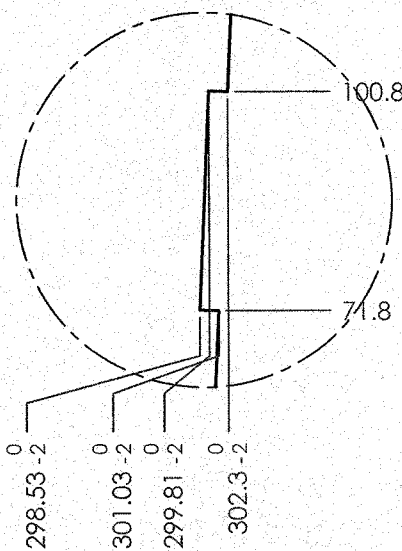
AAA15414

▽ ROUGH MACHINED	01 ROUGH CLEANED
▽▽ FINISH MACHINED	01b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	18 CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		CUTAWAY REDESIGN.	



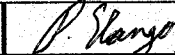
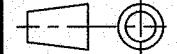
ISOMETRIC VIEW



DETAIL B
SCALE 1 : 1

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICF/STD-9-0001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS:813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY.

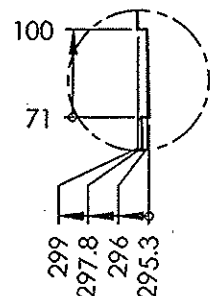
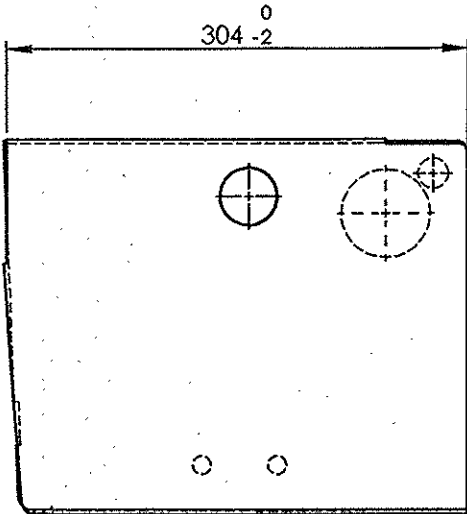
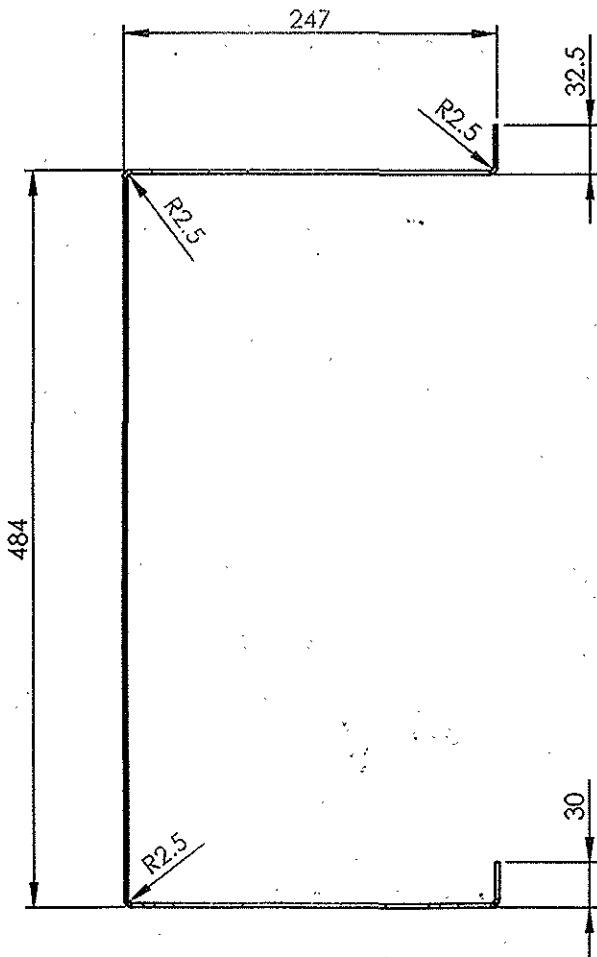
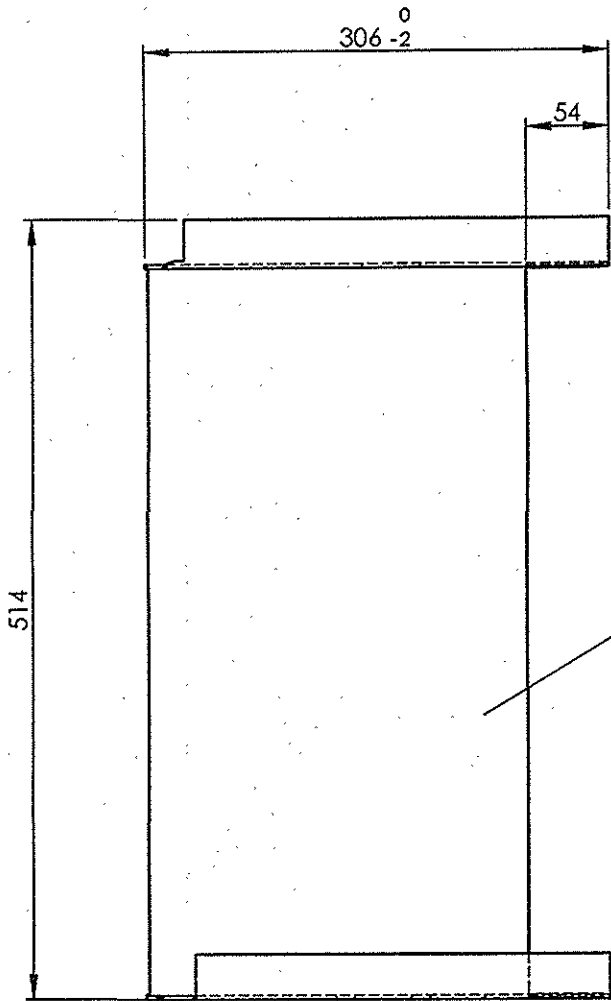
REF.DRG.NO. 2 10113.0.20.120.193

1	FLANGE	2.5x273.9x309.3	1		SS-409M	1.294	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: (1-5) END CONSTRUCTION		SURFACE AREA IN Sq.m.: 0.134			WT/ASSY IN Kgs:		
FLANGE					SCALE 1:2	SSE/D	
						CHD	
					ALT a	ALTD	B.SARAVANAN
						DRN	B.SARAVANAN
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
						AAA15414	A2

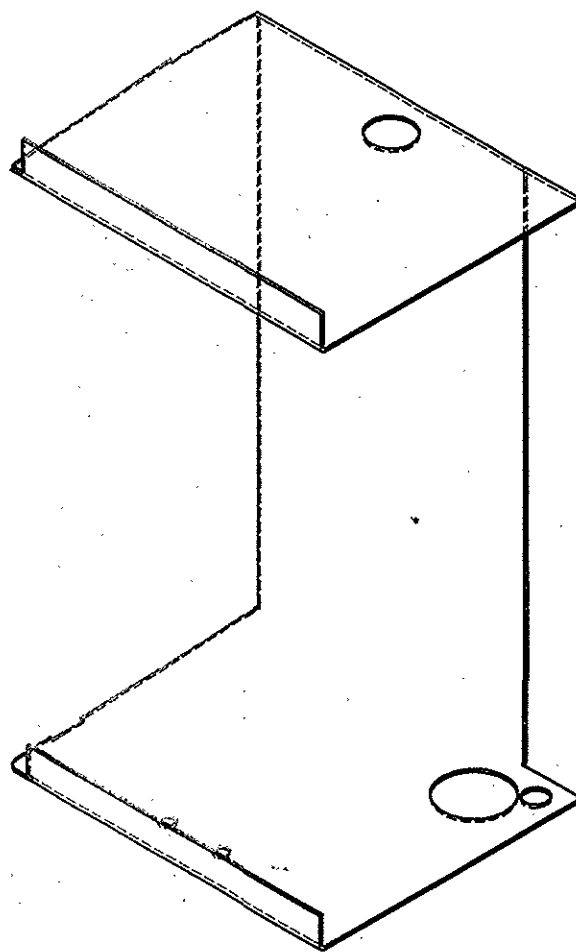
23-03-2018	28-03-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SAE

AAA15428

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS:813-1986.

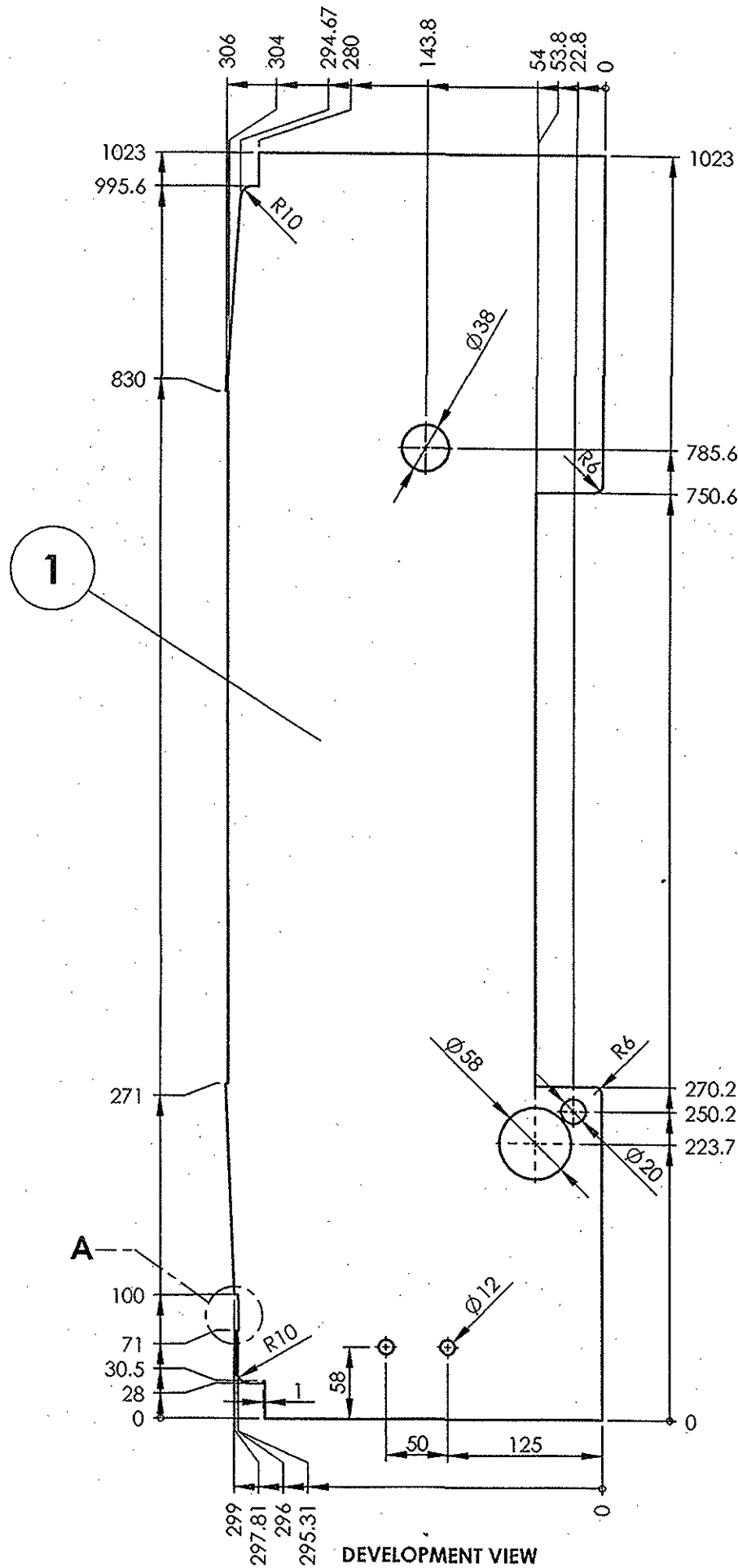


DETAIL A
SCALE 2 : 5



ISOMETRIC VIEW

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
1		2 HOLES DIA 12 ADDED.	



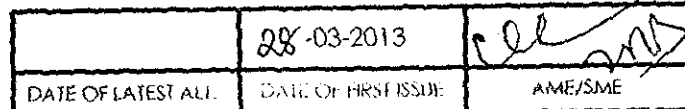
DEVELOPMENT VIEW

1	BRACKET	2.5x306x1023	1		RDSO/SPEC C- K201 X2 Cr Ni 12	5.568	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.: 0.565			WT/ASSY IN Kgs: 5.572		
BRACKET					SCALE 1:5	SSE/D	Approved
						CHD	
					ALT a	ALTD	H. Ishath Ahamed
						DRN	B.SARAVANAN
					INDIAN RAILWAY STANDARDS		
INTEGRAL COACH FACTORY, CHENNAI - 600038							

13-05-2015	-03-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

REF.DRG.NO. 2 10113.0.20.120.181

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. 107/310-70-0001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.



REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

AAA15429

A3

AAA15430

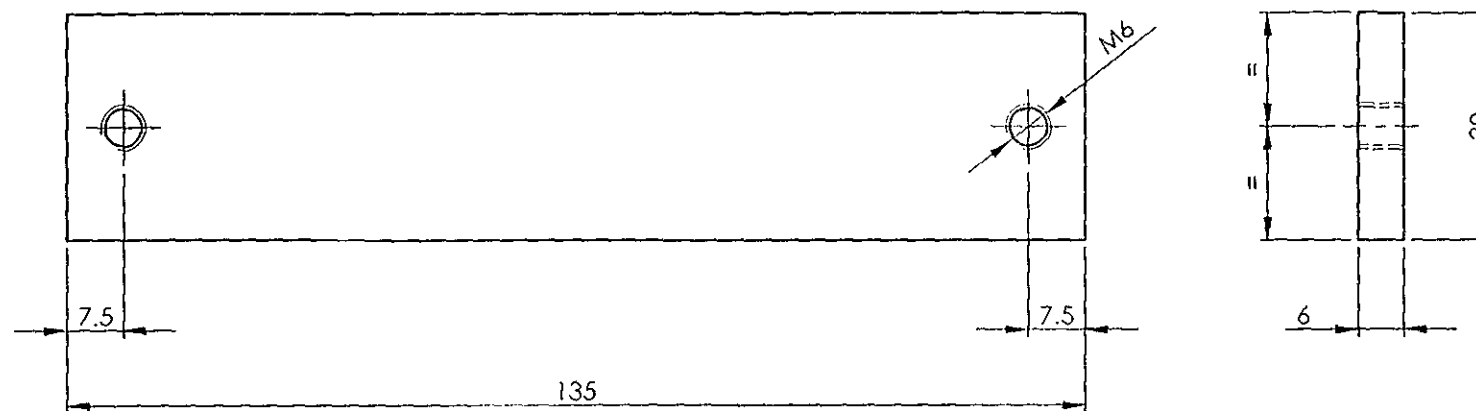
▽ ROUGH MACHINED	⑥ ROUGH CLEANED
▽▽ FINISH MACHINED	⑦ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑧ CHAMFERED

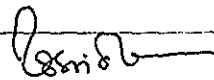
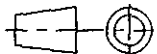
REVISIONS

ALT.

ZONE


DESCRIPTION

APPROVED &
DATE

1	BRACKET	6x30x135	1		RDSO/SPEC C- K201 X2 Cr Ni 12	0.193		
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.010			WT/ASSY IN Kgs:0.193			
BRACKET					SCALE	SSE/D		
					1:1	CHD		
					ALT.	ALTD		
					DRN	B.SARAVANAN		
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038								
					SHEET 1 OF 1			AAA15430

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO IC/STD-9-0-001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

REF.DRG.NO. 3 10113.0.20.120.035

	28-03-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAA15431

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

REVISIONS

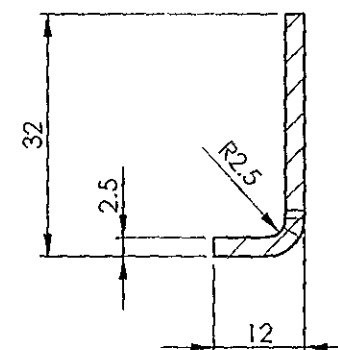
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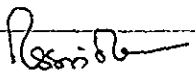
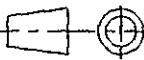
ZONE

DESCRIPTION

APPROVED &
DATE

1

SECTION A-A
SCALE 1 : 1

1	ANGLE SUPPORT	2.5x39x547	1		RDSO/SPEC C- K201 X2 Cr Ni 12	0.377	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.040			WT/ASSY IN Kgs:0.377		
ANGLE SUPPORT					SCALE	SSF/D	
					1:2	CHD	
					ALT.	ALTD	
						DRN	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1		
					AAA15431		A3

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

REF.DRG.NO. 3 10113.0.20.120.182

	28-03-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	A.M.E./S.M.E.

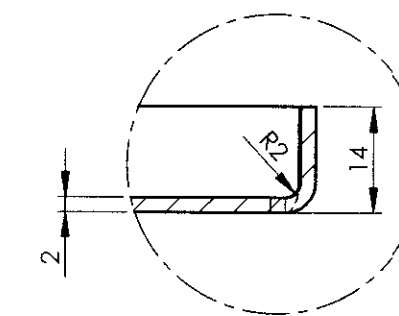
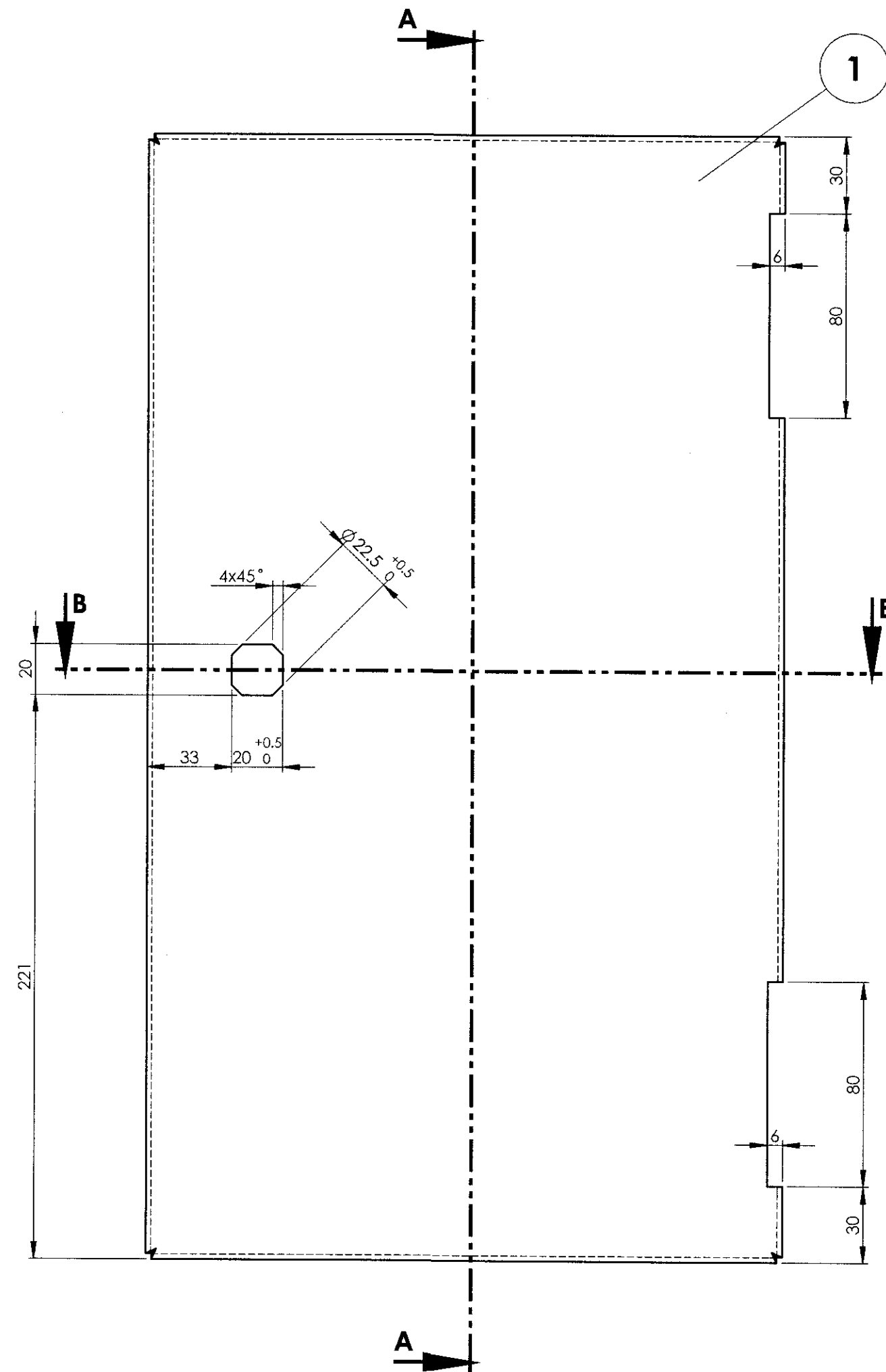
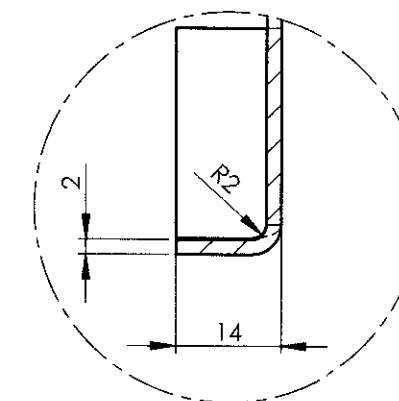
AAA15432

▽ ROUGH MACHINED
▽▽ FINISH MACHINED
▽▽▽ FINE FINISH MACHINED

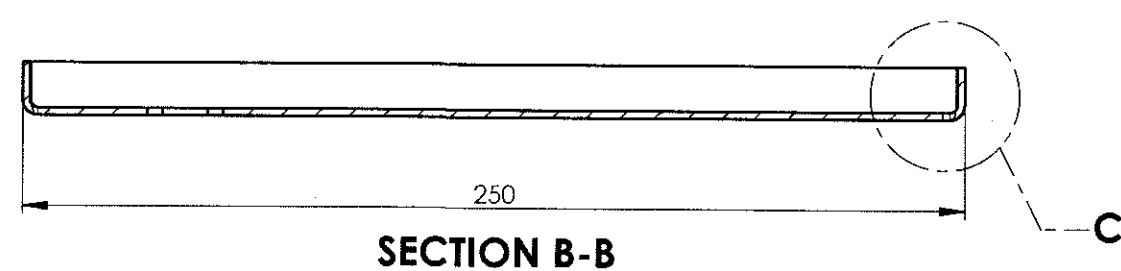
① ROUGH CLEANED
①b BURRS REMOVED
①8 CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		HINGE CUTAWAY SIZE & LOCATION REVISED.	N.K. 26-02-2020

DETAIL C
SCALE 1 : 1DETAIL D
SCALE 1 : 1

SECTION A-A



SECTION B-B

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICF/STD-9-0001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS813-1986.

REF.DRG.NO.

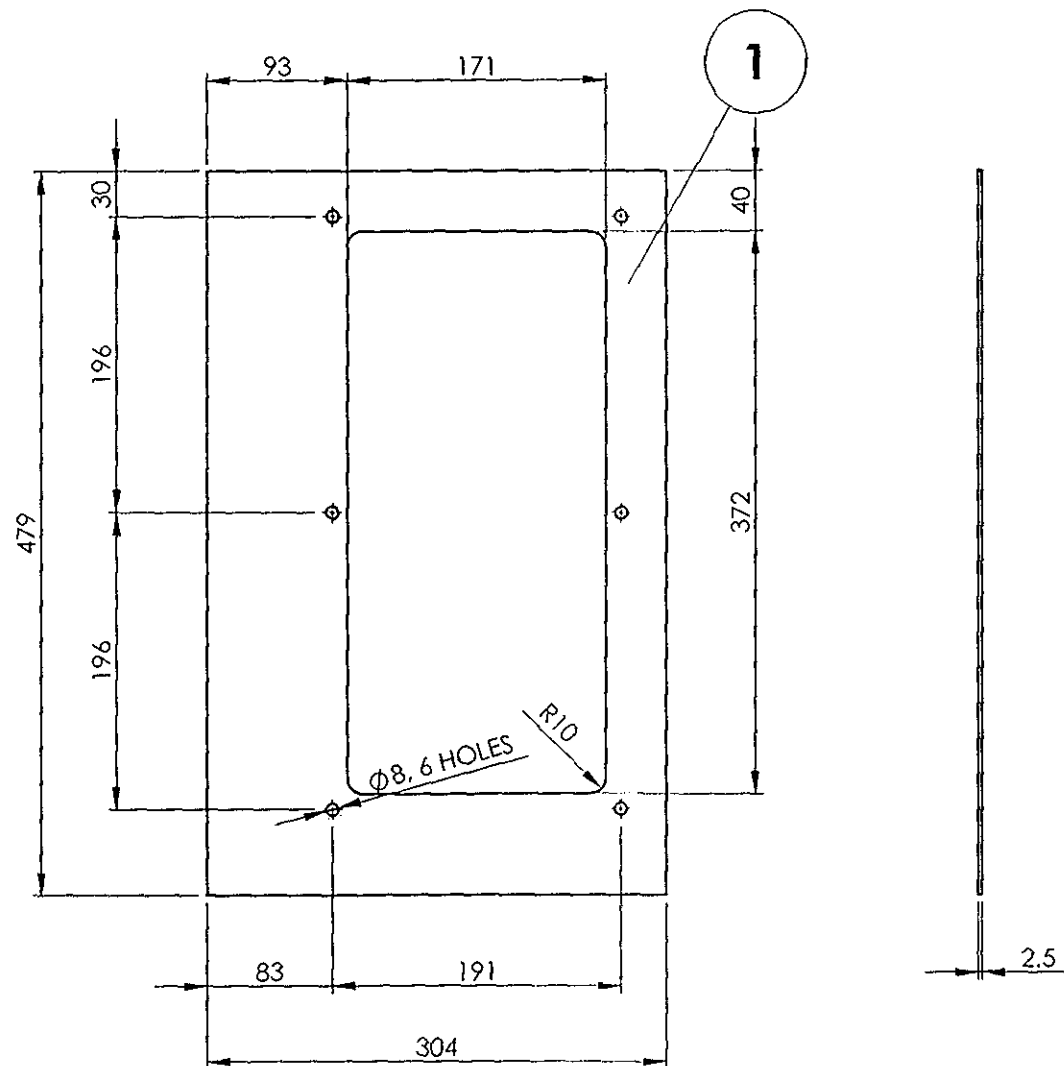
26-02-2020	-03-2013	N.K.
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

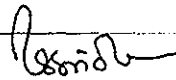
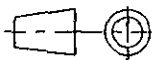
1	SHUTTER	2x266.5x457.5	1		RDSO/SPEC C-K201 X2 Cr Ni 12	1.949	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction					SURFACE AREA IN Sq.m.: 0.247		
SHUTTER					SCALE 1:2	SSE/D CHD	H. Irshath Ahamed
					ALT a	ALTD DRN	B.SARAVANAN
					INDIAN RAILWAY STANDARDS		
					INTEGRAL COACH FACTORY, CHENNAI - 600038		
					SHEET 1 OF 1		
					AAA15432		
					A2		

AAA15433

▽ ROUGH MACHINED	⊖ ROUGH CLEANED
▽▽ FINISH MACHINED	⊖⊖ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⊖⊖⊖ CHAMFERED

REVISIONS				APPROVED & DATE	
ALT.	ZONE	DESCRIPTION			



1	BRACKET	2.5x304x479	1		RDSO/SPEC C- K201 X2 Cr Ni 12	1.636	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.171			WT/ASSY IN Kgs: 1.636		
BRACKET					SCALE	SSE./D	
					1:5	CHD	
					ALT.	ALTD	
						DRN	B.SARAVANAN
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1	AAA15433	A3

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

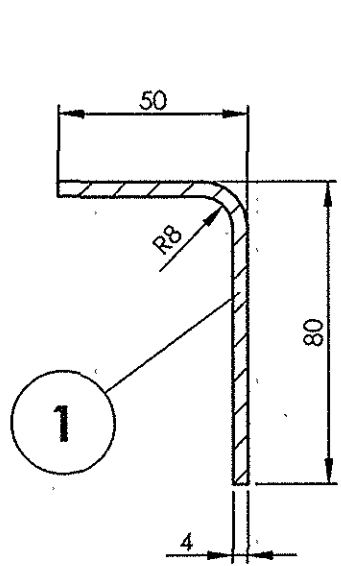
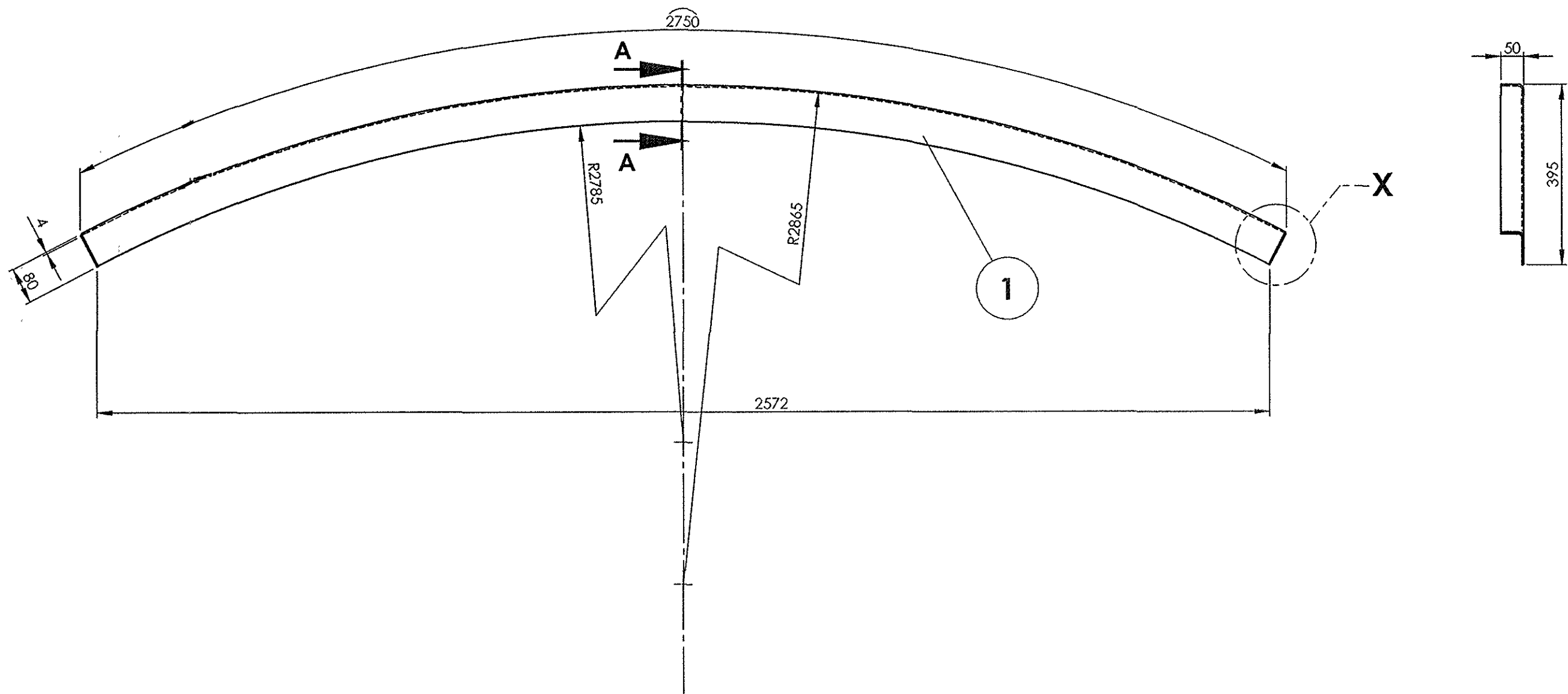
REF.DRG.NO.3 10113.0.20.120.183_B

	28-03-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

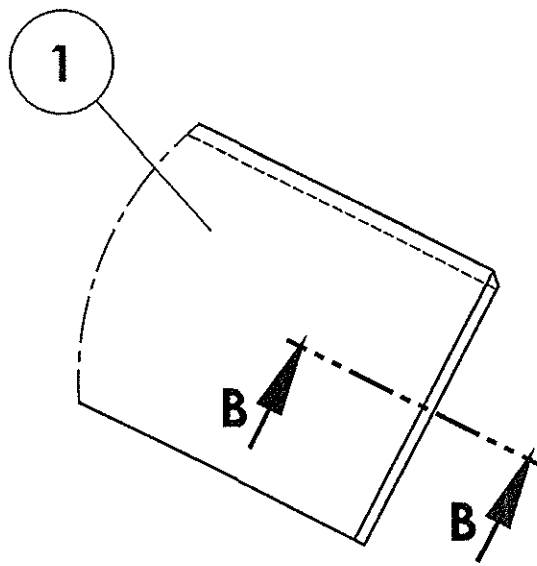
AAA15467

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

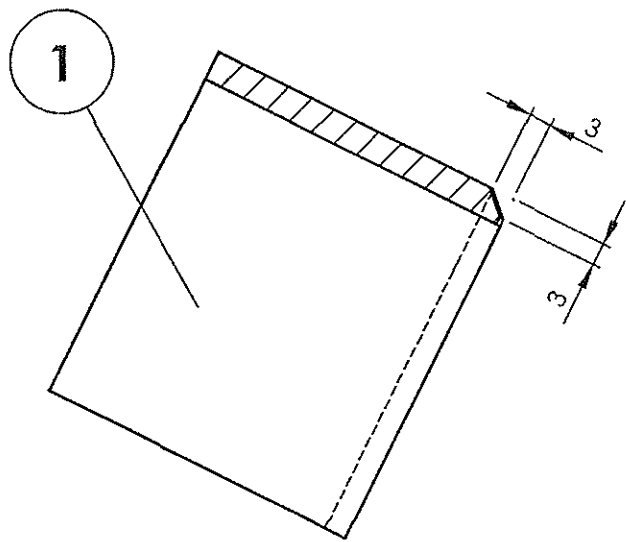
REVISIONS				APPROVED & DATE	
ALT.	ZONE	DESCRIPTION			



SECTION A-A
SCALE 1 : 2



DETAIL X
SCALE 1 : 2



SECTION B-B
SCALE 1 : 1

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS:813-1986.

REF.DRG.NO.2 10113.0.20.120.114

DATE OF LATEST ALT.	12-06-2013	AME/SME
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1	ARCH	4x122x2750	1		RDSO/SPEC C-K201 X2CrNi12	10.600	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION				SURFACE AREA IN Sq.m.: 0.685		WT/ASSY IN Kgs: 10.600	
ARCH					SCALE 1:10	SSE/D	Suprem
					ALT	CHD	
					ALT	ALTD	
					DRN	DRN	H.Irshath Ahamed
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA15467		
					A2		

AAA15469

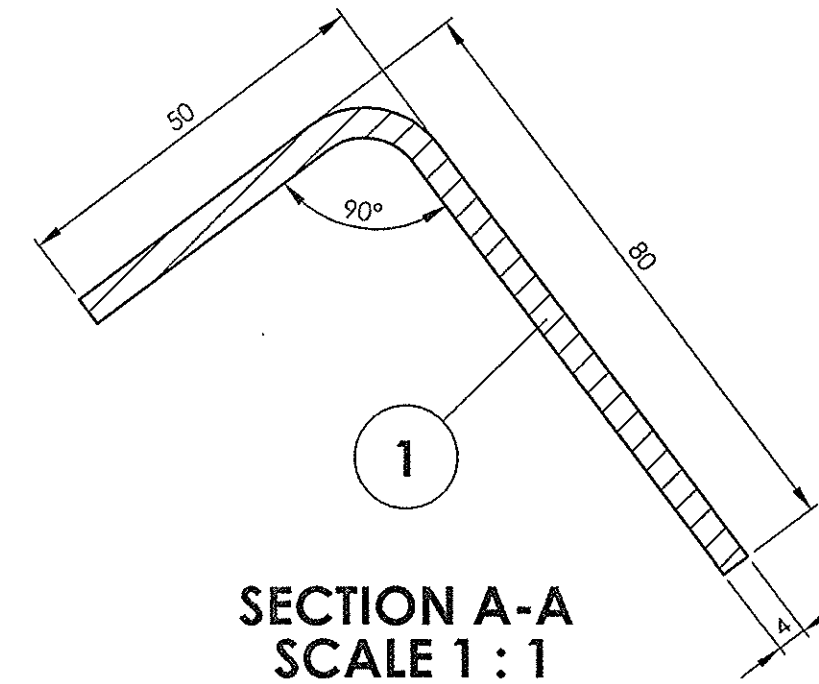
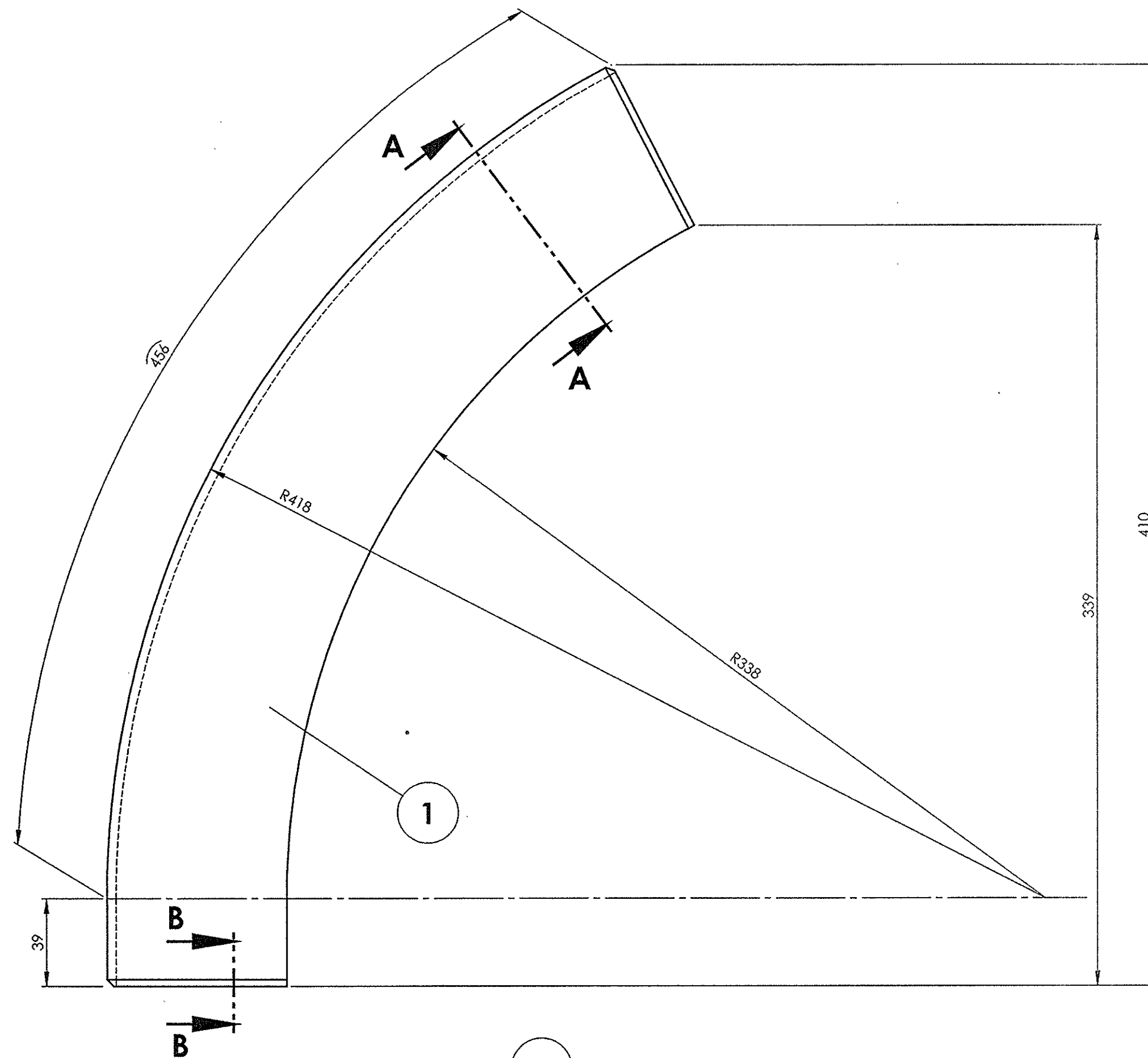
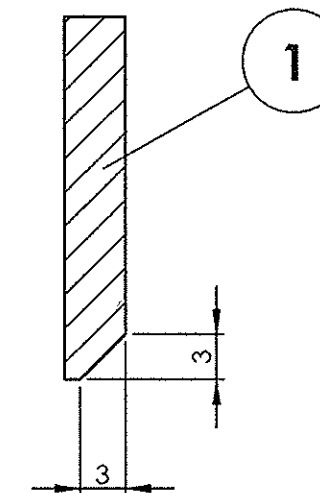
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &
DATESECTION B-B
SCALE 2 : 1

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICF/STD-9-0001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS:813-1986.

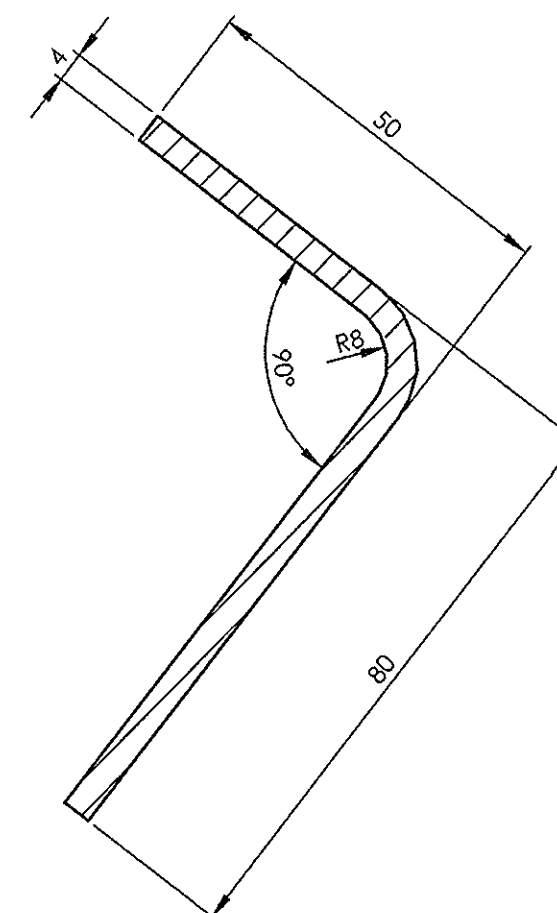
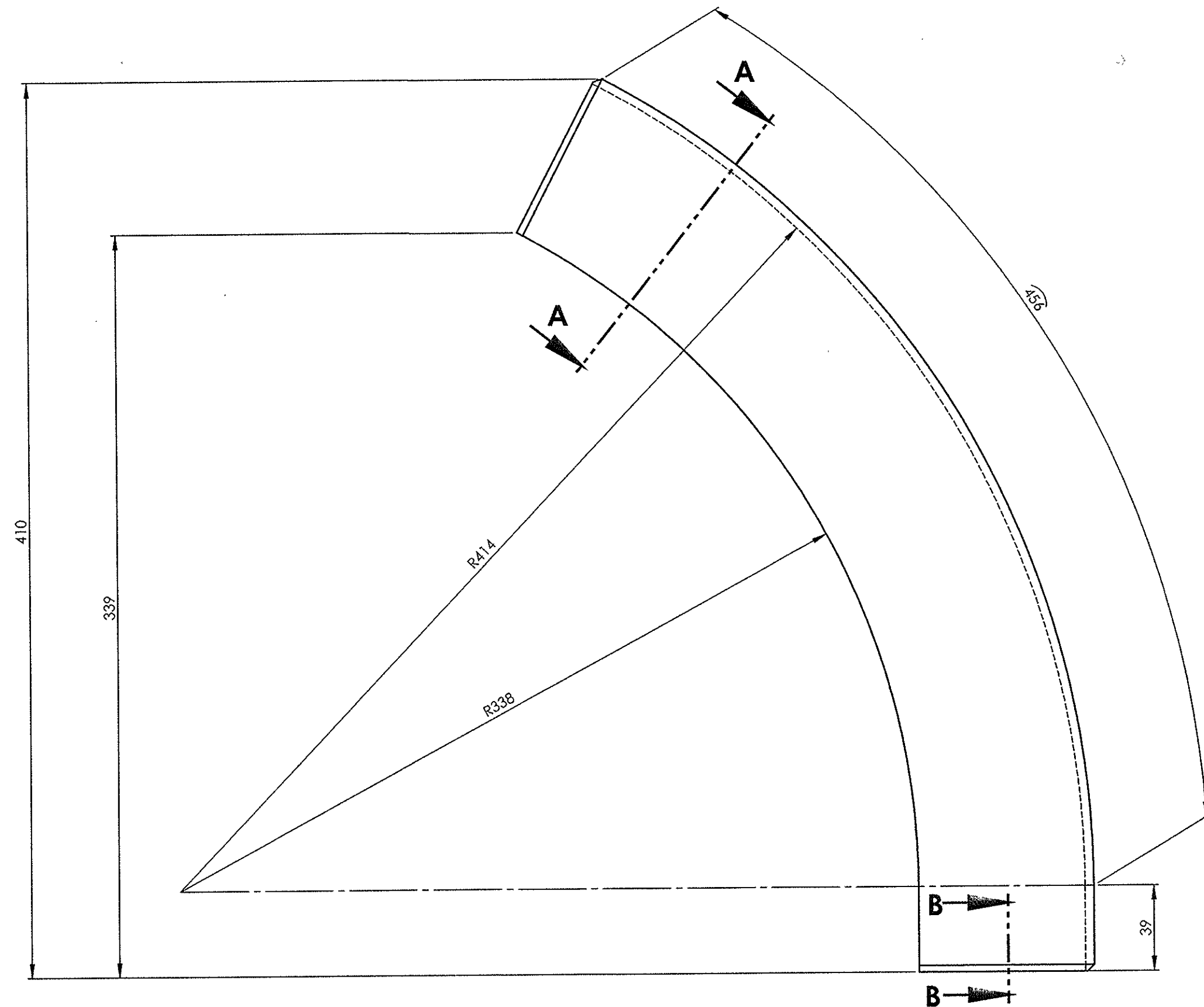
REF.DRG.NO.2 10113.0.20.120.168

DATE OF LATEST ALT.	12-06-2013	AME/SME
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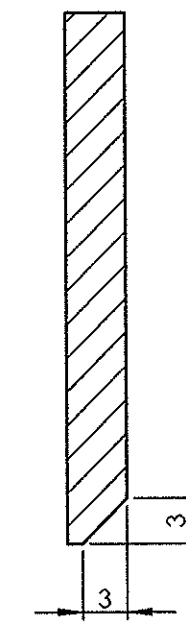
1	ARCH	4x122x495	1		RDSO/SPEC C-K201 X2CrNi12	1.804	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION					SURFACE AREA IN Sq.m.:0.117		
ARCH					SCALE 1:2	SSE/D	H. Irshath Ahmed
					ALT	ALTD	
					DRN		H. Irshath Ahmed
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA15469		
					A2		

AAA15470

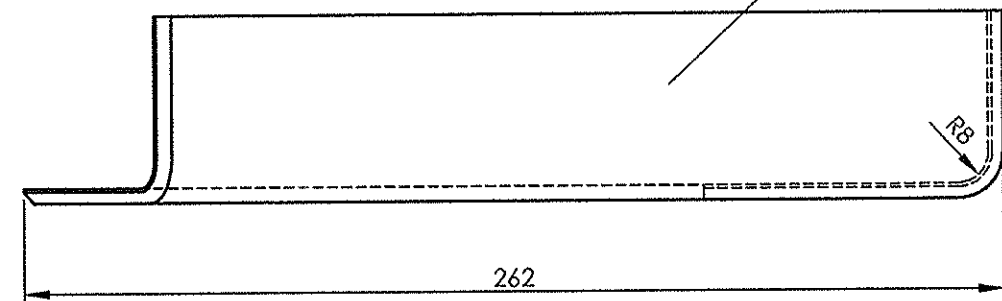
▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS			APPROVED & DATE
▽▽ FINISH MACHINED		② BURRS REMOVED		ALT.	ZONE	DESCRIPTION	
▽▽▽ FINE FINISH MACHINED		③ CHAMFERED		a		THICKNESS CORRECTED FROM 2MM TO 4MM IN BOM	



SECTION A-A
SCALE 1 : 1



SECTION B-B
SCALE 2 : 1



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS:813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY.

REF.DRG.NO.2 10113.0.20.120.169

12/3/17	12-06-2013	AME/SME
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	


1	ARCH	4x122x495	1		RDSO/SPEC C-K201 X2CrNi12	1.804				
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS			
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.: 0.117			WT/ASSY IN Kgs:					
ARCH					SCALE 1:2	SSE/D CHD	1.804			
					ALT a	ALTD DRN	TIKYA NAIK M H.Irshath Ahamed			
					INDIAN RAILWAY STANDARDS			SHEET 1 OF 1	AAA15470	
					INTEGRAL COACH FACTORY, CHENNAI - 600038				A2	

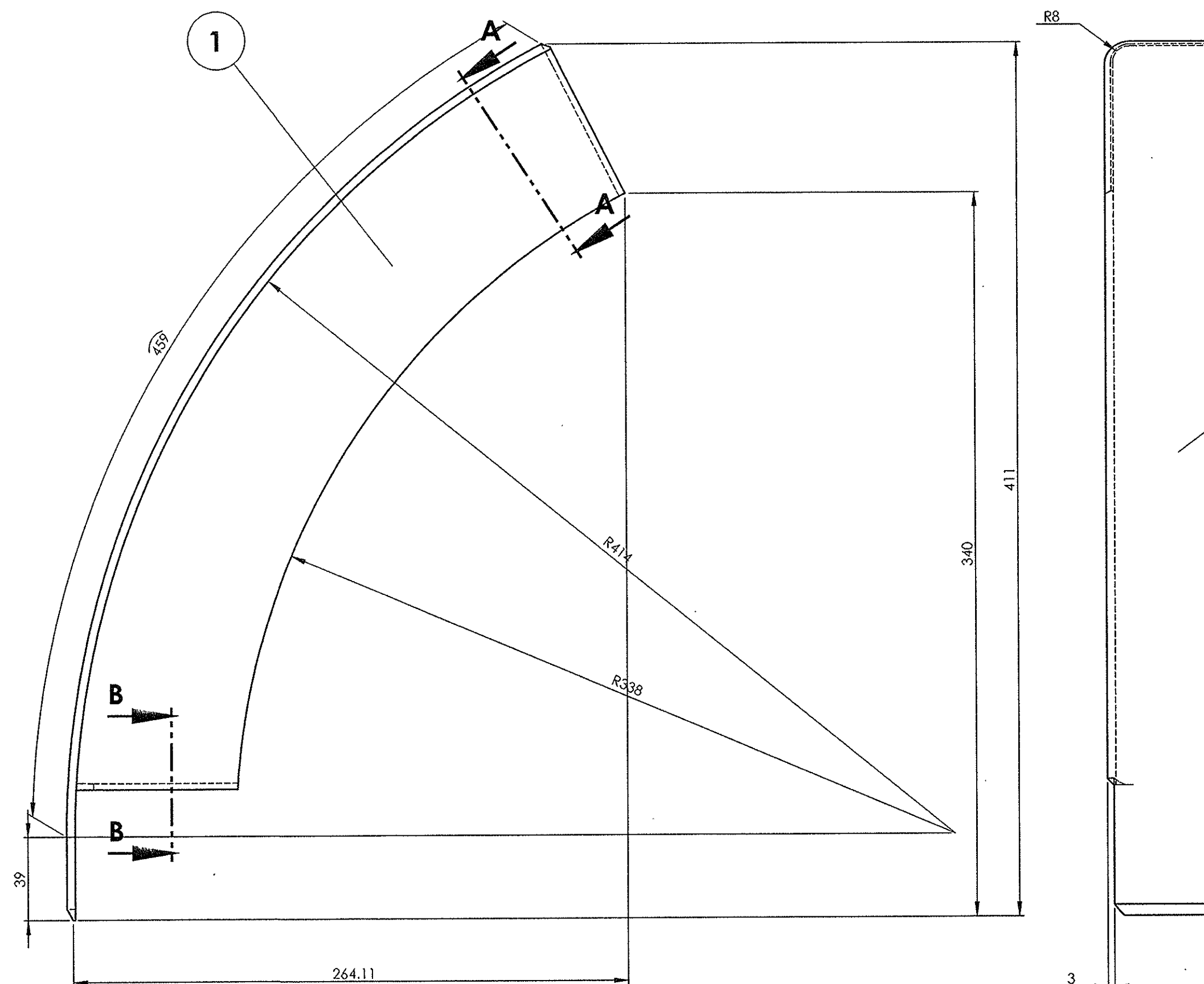
AAA15471

▽ ROUGH MACHINED
▽▽ FINISH MACHINED
▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED
② BURRS REMOVED
③ CHAMFERED

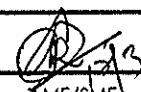
REVISIONS


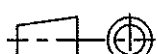
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		THICKNESS CORRECTED FROM 2MM TO 4MM IN BOM.	

SECTION A-A
SCALE 1 : 1SECTION B-B
SCALE 1 : 1

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICF/STD-9-0-001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS:813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY.

REF.DRG.NO.2 10113.0.20.120.170

17/3/17	06-03-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	NAME/SME

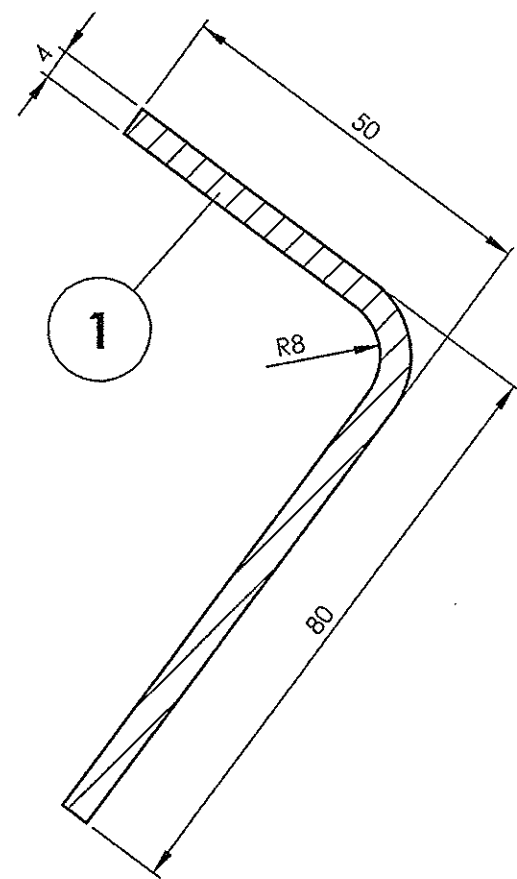
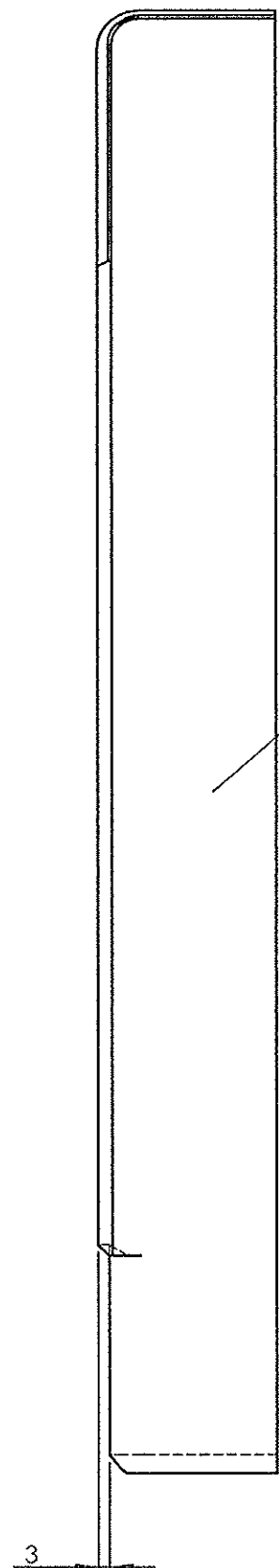
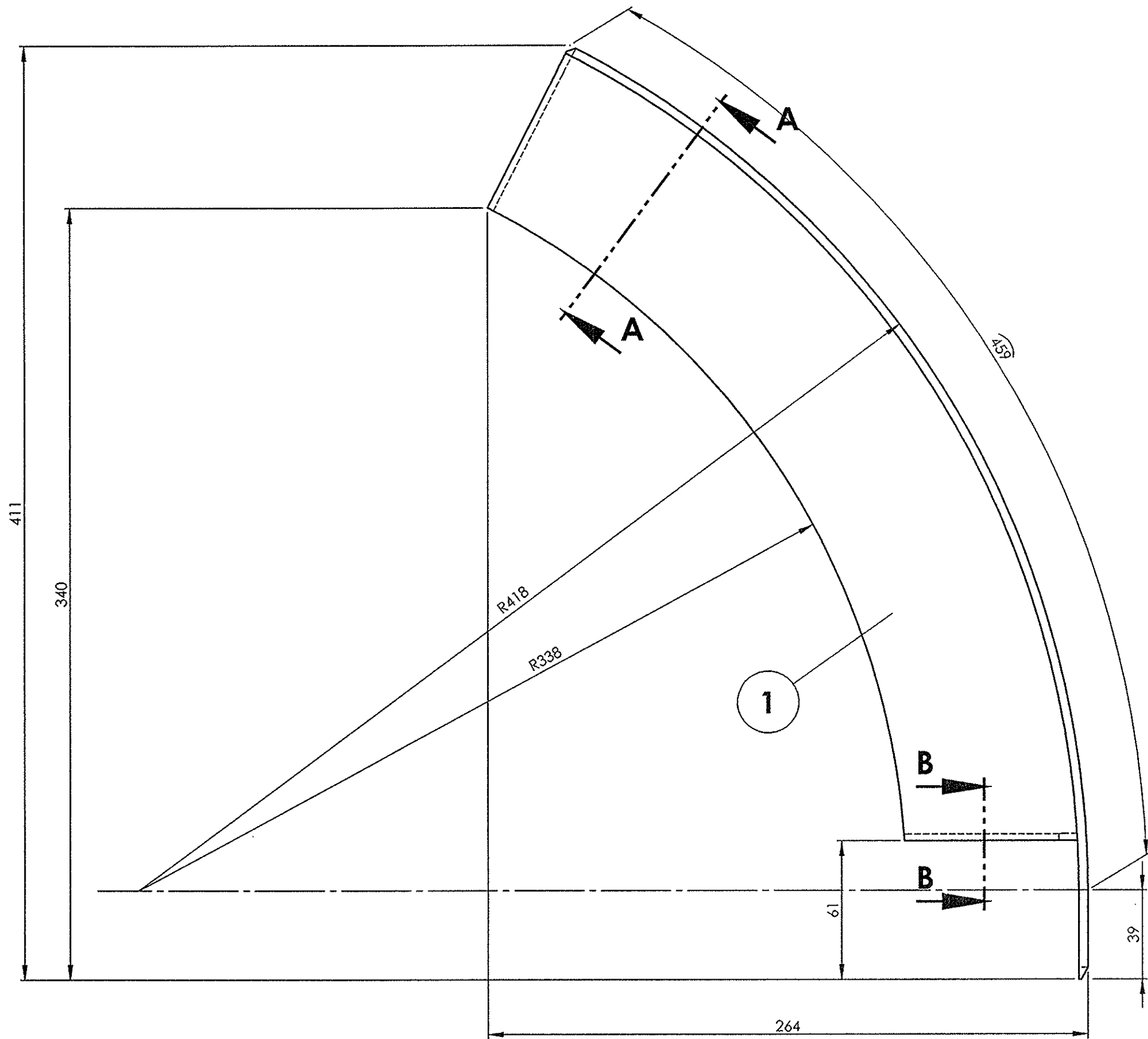
1	ARCH	4x122x498	1		RDSO/SPEC C- K201 X2CrNi12	1.662		
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5 END CONSTRUCTION			SURFACE AREA IN Sq.m.: 0.109			WT/ASSY IN Kgs:		
ARCH					SCALE 1:2	SSE/D		
						CHD		
					ALT a	ALTD	TIKYA NAIK M	
						DRN	H.Irshath Ahamed	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038			SHEET 1 OF 1				AAA15471	
								A

AAA15472

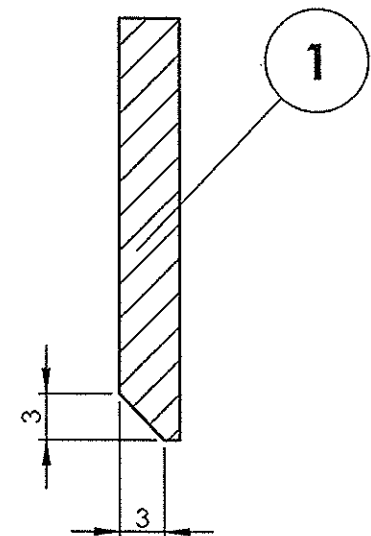
▽ ROUGH MACHINED	⊖ ROUGH CLEANED
▽▽ FINISH MACHINED	⊖⊖ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⊖⊖⊖ CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS:813-1986.



SECTION A-A
SCALE 1 : 1

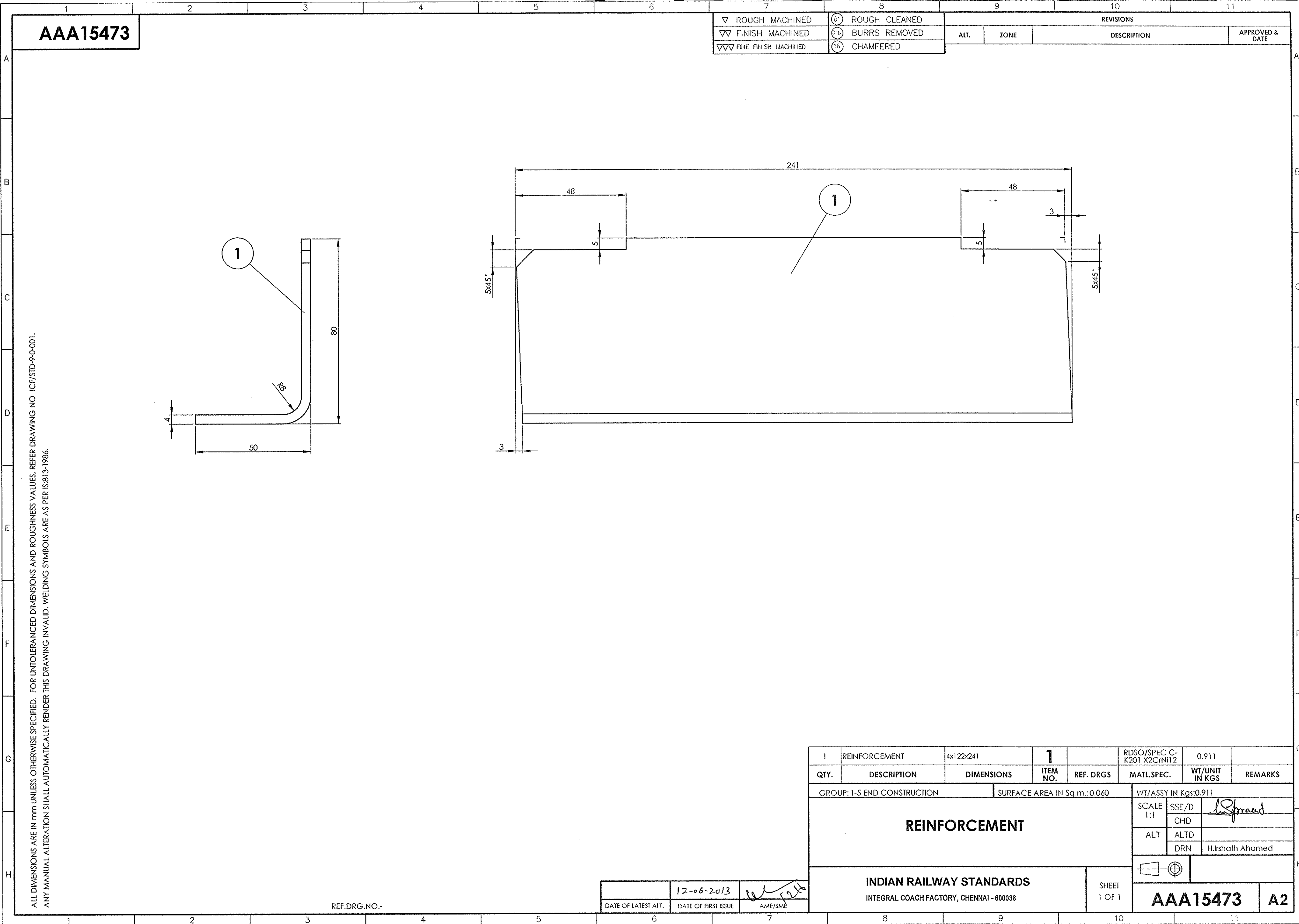


SECTION B-B
SCALE 2 : 1

1	ARCH	4x122x498	1		RDSO/SPEC C-K201 X2CrNi12	1.662	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION				SURFACE AREA IN Sq.m.: 0.109		WT/ASSY IN Kgs: 1.662	
ARCH					SCALE 1:2	SSE/D	H. Irshath Ahamed
					CHD		
					ALT	ALTD	
					DRN		H. Irshath Ahamed
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA15472		
					A2		

REF.DRG.NO.2 10113.0.20.120.171

12-06-2013		
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME



AAA15473

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE


ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO IC/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS813-1986.

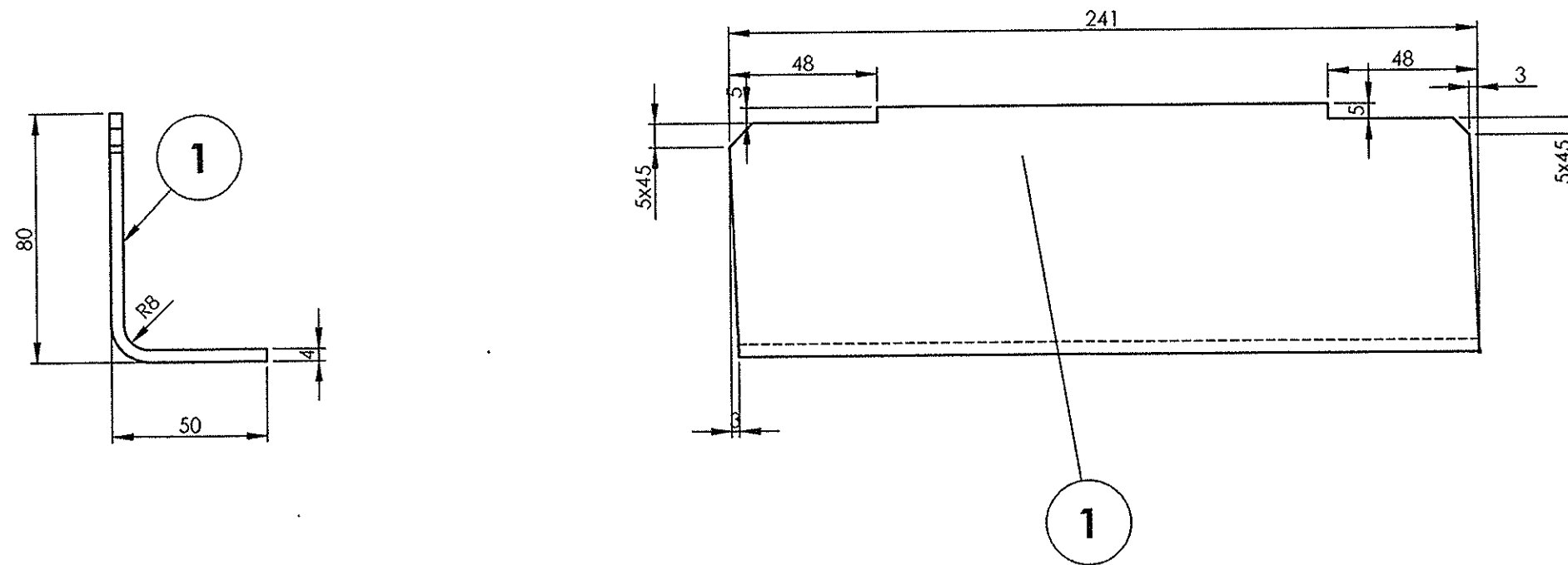
REF.DRG.NO.-

DATE OF LATEST ALT.	12-06-2013	AME/SME
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1	REINFORCEMENT	4x122x241	1		RDSO/SPEC C-K201 X2CrNi12	0.911	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION				SURFACE AREA IN Sq.m.: 0.060		WT/ASSY IN Kgs: 0.911	
REINFORCEMENT					SCALE 1:1	SSE/D	H. Irshath Ahmed
					ALT	CHD	
					DRN	ALTD	
					DRN	ALTD	
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		AAA15473	
INTEGRAL COACH FACTORY, CHENNAI - 600038						A2	

AAA15474

▽ ROUGH MACHINED	①	ROUGH CLEANED	REVISIONS			
▽▽ FINISH MACHINED	②	BURRS REMOVED	ALT.	ZONE	DESCRIPTION	APPROVED & DATE
▽▽▽ FINE FINISH MACHINED	③	CHAMFERED	a		THICKNESS CORRECTED FROM 2MM TO 4MM.	



1	REINFORCEMENT	4x122x241	1		RDSO/SPEC C- K201 X2CrNi12	0.911	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: I-5 END CONSTRUCTION					SURFACE AREA IN Sq.m.: 0.060		
REINFORCEMENT					SCALE 1:2	SSE/D CHD	Li. S. Prasad
					ALT a	ALTD DRN	TIKYA NAIK M H. Irshath Ahamed
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA15474 A2		

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICE/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS:813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY.

REF.DRG.NO.-

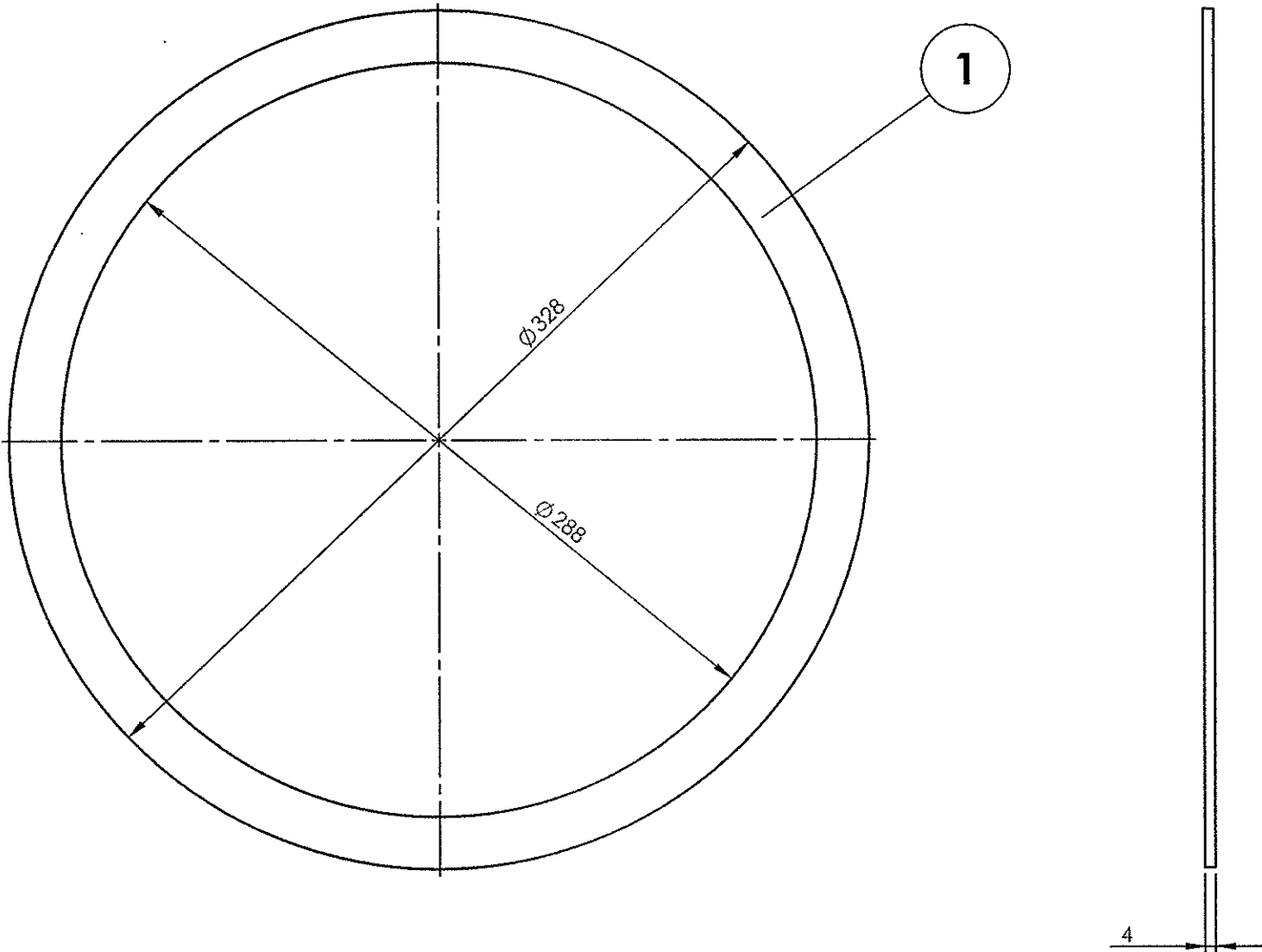
12/3/17	12-06-2013	12/3/17
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	NAME/SME

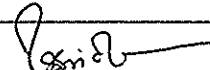

AAA15590

▽ ROUGH MACHINED	▽ FINISH MACHINED
▽▽ FINE FINISH MACHINED	▽▽ FINISH MACHINED

▽ BURRS REMOVED	▽ CHAMFERED
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REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



1	INTERMEDIATE RING	4x328x328	1		RDSO/SPEC C-K201 X2CrNi12	0.619	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.046			WT/ASSY IN Kgs:0.619		
INTERMEDIATE RING					SCALE	SSE/D	
					1:2.5	CHD	
					ALT.	ALTD	
						DRN	B.SARAVANAN
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA15590		
						A3	

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

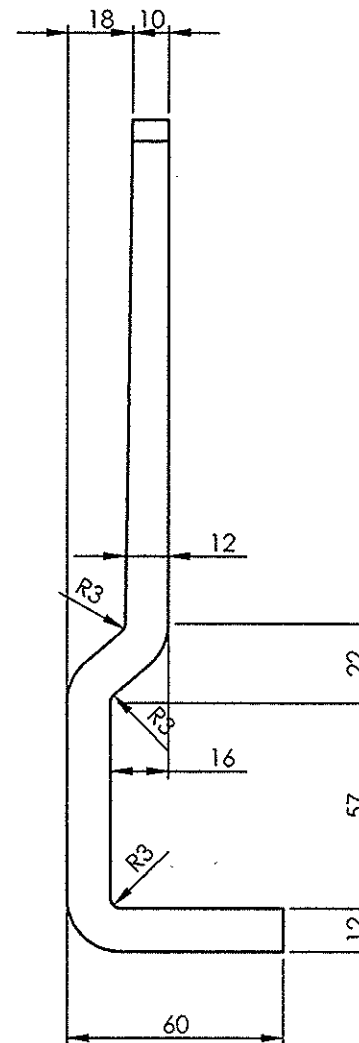
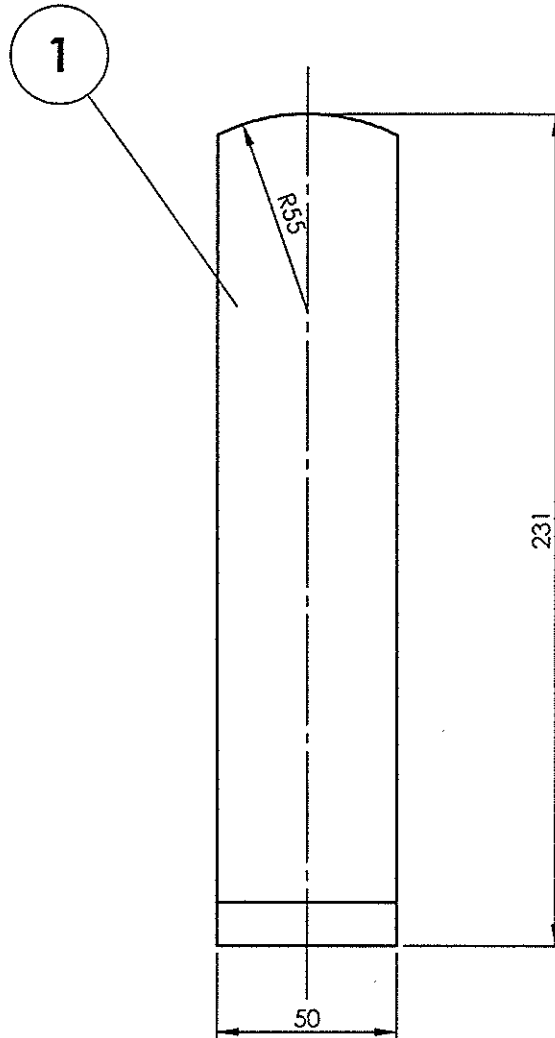
REF.DRG.NO.-

-	6-09-2014	B.SARAVANAN
DATE OF LATEST	DATE OF FIRST ISSUE	AME/SME

AAA26077

▽ ROUGH MACHINED	③ ROUGH CLEANED
▽▽ FINISH MACHINED	④ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑤ CHAMFERED

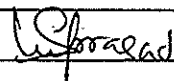
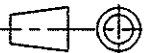
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MAT.SPECIFICATION FOR ITEM-1 UPDATED.	-sd-
b		MATERIAL SPECIFICATION ALTD FROM IRS M41-1997 TO SS409M.	-sd-
c		HOLES DELETED.	<i>[Signature]</i>



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO IC/STD 9 0 001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813 1986.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

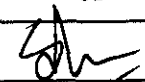
REF.DRG.NO.2 10113.0.10.320.101

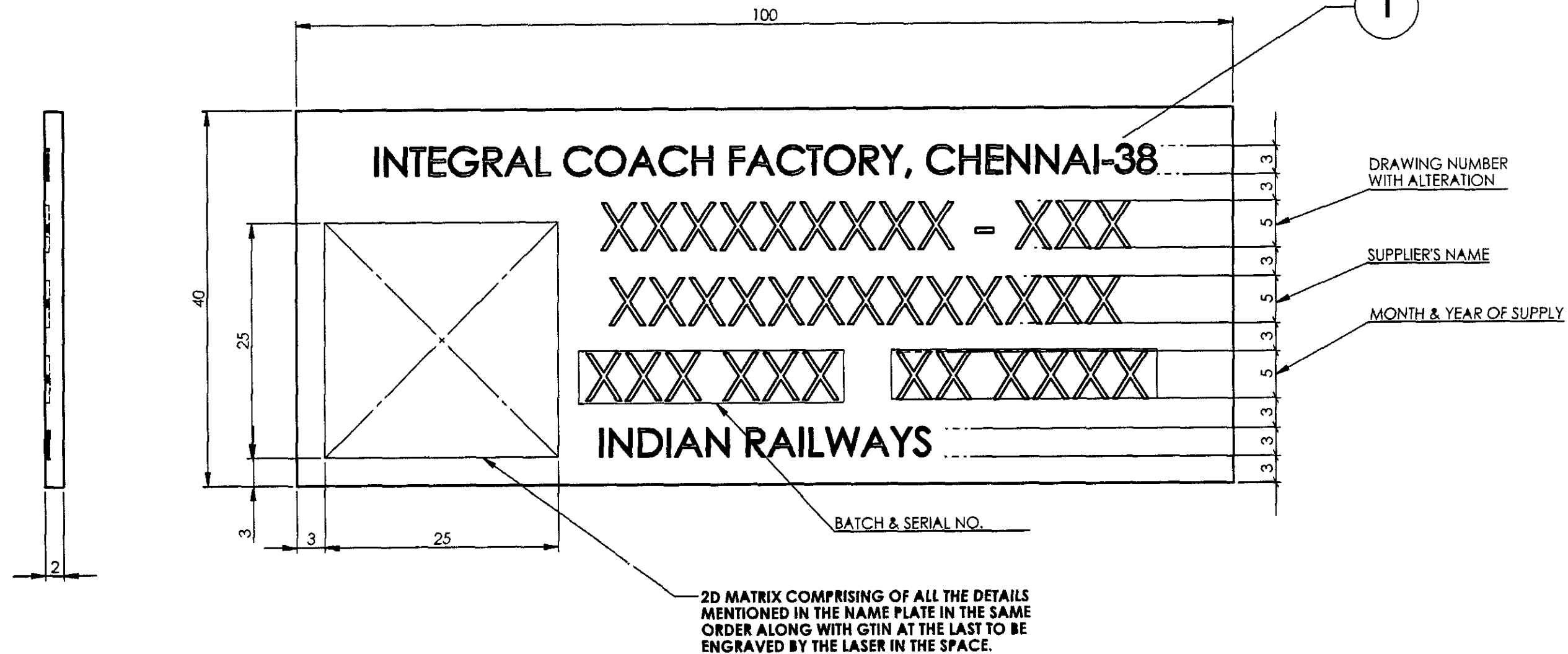
3-04-2017	12-07-2013	<i>[Signature]</i> 3/4
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	NAME/SME

1	BRACKET	12x50x279	1		SS-409M	1.286						
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS					
GROUP: 2-6		SURFACE AREA IN Sq.m.:0.035			WT/ASSY IN Kgs:							
TAIL LAMP BRACKET					SCALE 1:2	SSE/D CHD						
					ALT. c	ALTD DRN		H. Irshath Ahamed L.PANDURANGA RAO				
					INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
										SHEET 1 OF 1		AAA26077

AAA51072

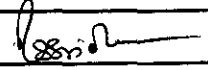
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①① BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①①① CHAMFERED


REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		NAME PLATE REVISED.	-sd-
b		DESIGN REVISED.	-sd-
c		BATCH & SERIAL NO. ADDED	-sd-
d		NOTE-2 ADDED.	



NOTE:

1. LETTERS TO BE PUNCHED OR ENGRAVED.
2. ALTERNATIVELY AISI-304/SS-304 (X02Cr19Ni10)/IS:6911(X04Cr19Ni9) ALSO ACCEPTABLE.

1	NAME PLATE FOR SUPPLIER IDENTIFICATION	2x40x100	1		RDSO/SPEC C-K201 X2 Cr Ni 12	0.063	\$
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 5-1 Body Side Doors				SURFACE AREA IN Sq.m.:0.009		WT/ASSY IN Kgs:	
NAME PLATE FOR SUPPLIER IDENTIFICATION					SCALE 2:1	SSE/D	
					ALT. d	CHD	
						ALTD	KUNTI THAKUR
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038						DRN	G. NAGESWARAN
					SHEET 1 OF 1	AAA51072	
						A3	

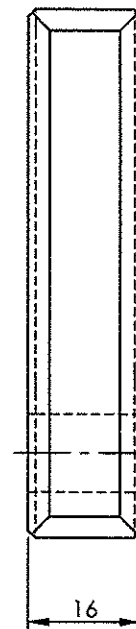
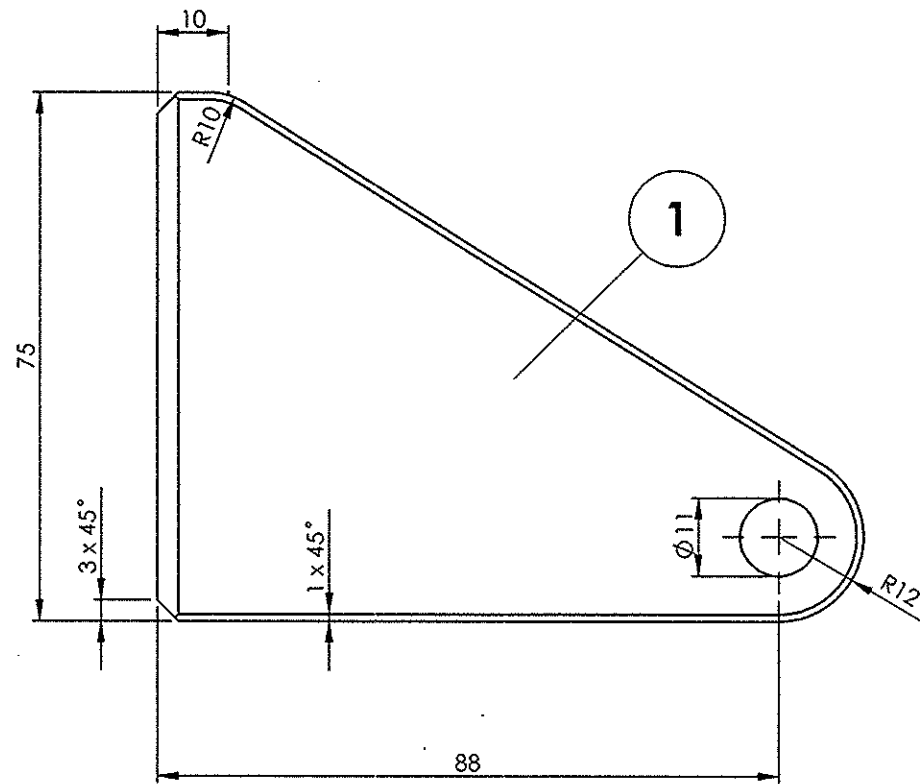
06-07-2024	02.06.2010	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

REF.DRG.NO.

AAB15007

▽ ROUGH MACHINED	③ ROUGH CLEANED
▽▽ FINISH MACHINED	③⑤ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③⑧ CHAMFERED


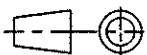
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.
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REF.DRG.NO.-

	18-08-17	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	BRACKET	16x75x100	1		IS:6911-92; X04Cr19Ni9	0.61	EQUIV. TO AISI-304
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: -		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
BRACKET					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	
						DRN	T.J.Kumaravelu
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1		
					AAB15007		A3

1		2		3		4		5		6		7		8	
AAB15087				▽ ROUGH MACHINED		⊖ ROUGH CLEANED		REVISIONS							
				▽▽ FINISH MACHINED		⊖⊖ BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE	
				▽▽▽ FINE FINISH MACHINED		⊖⊖⊖ CHAMFERED									
<div>ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD 9 0 001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813 1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY</div> <div><div>1</div><div><div>367</div><div><div>28</div><div>⊖8</div><div>⊖8</div></div></div></div>															
				1		CABLE SUPPORTING ROD		Ø8x397		1		SS-304		0.16	
QTY.		DESCRIPTION		DIMENSIONS		ITEM NO.		REF. DRGS		MATL.SPEC.		WT/UNIT IN KGS		REMARKS	
GROUP: 1-5 END CONSTRUCTION				SURFACE AREA IN Sq.m.:				WT/ASSY IN Kgs:							
CABLE SUPPORTING ROD										SCALE		SSE/D		<div><div>Signature</div><div>B.SARAVANAN</div></div>	
										1:5		CHD			
										ALT.		ALTD			
										DRN					
INDIAN RAILWAY STANDARDS										SHEET 1 OF 1		AAB15087		A3	
INTEGRAL COACH FACTORY, CHENNAI - 600038															
DATE OF LATEST ALT.		31-10-2017		DATE OF FIRST ISSUE		AME/SME									


1		2		3		4		5		6		7		8	
AAB15177				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS							
				▽▽ FINISH MACHINED		①b BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE	
				▽▽▽ FINE FINISH MACHINED		①8 CHAMFERED		a				RM LENGTH OF ITEM-1 ALTD FROM 420 TO 400.			

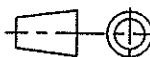
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.-

1	ELEC CABLE TIE ROD	Ø8 x 400	1		AISI-304	0.16	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:			
ELEC CABLE TIE ROD				SCALE 1:2	SSE/D CHD	HIRSHATH AHAMED	
					DRN	HIRSHATH AHAMED	
				INDIAN RAILWAY STANDARDS			
INTEGRAL COACH FACTORY, CHENNAI - 600038							

22-02-2018	05-02-2018	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

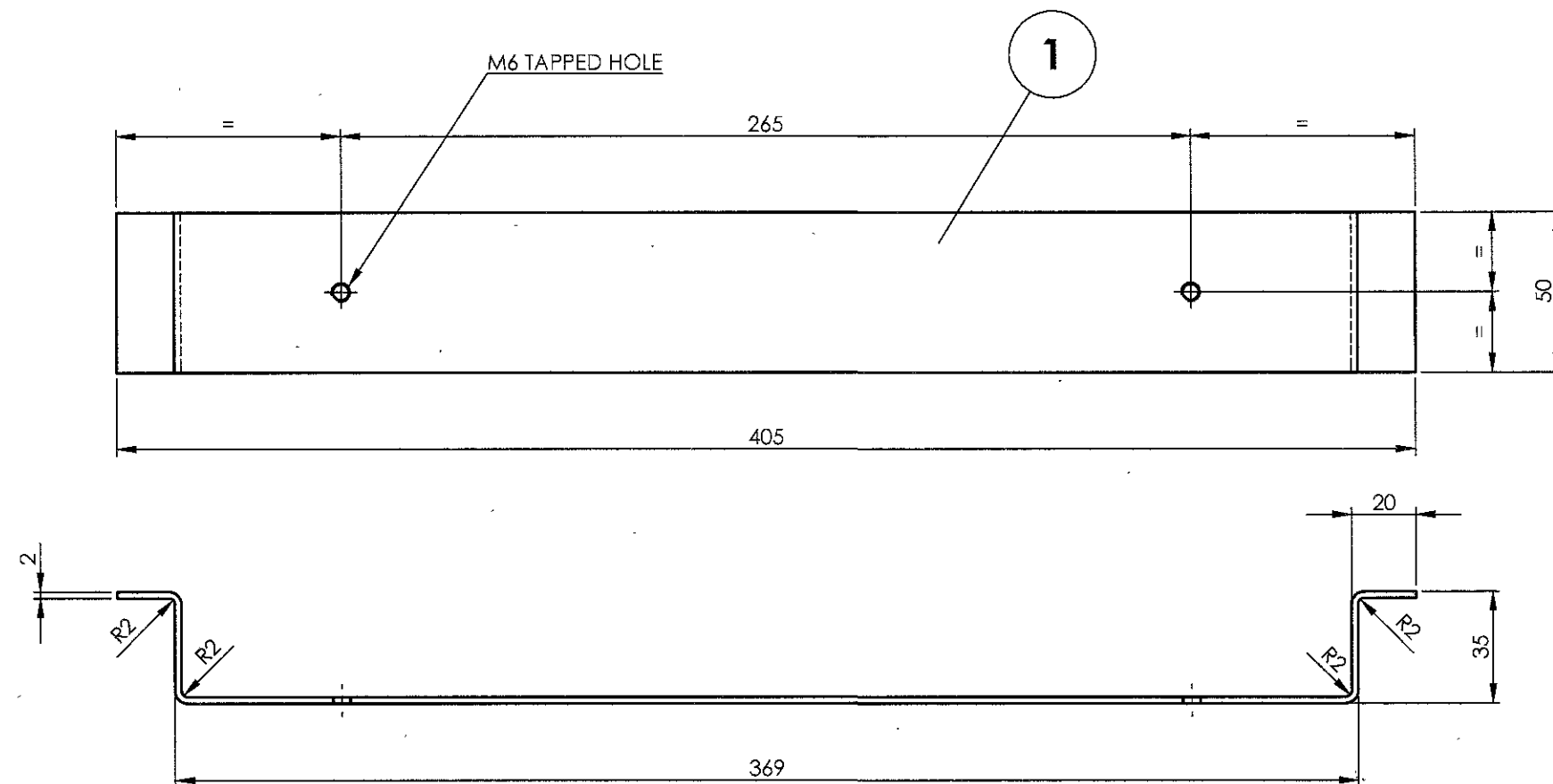
▽ ROUGH MACHINED	①	ROUGH CLEANED	REVISIONS			
▽▽ FINISH MACHINED	①b	BURRS REMOVED	ALT.	ZONE	DESCRIPTION	APPROVED & DATE
▽▽▽ FINE FINISH MACHINED	①8	CHAMFERED	a		RM LENGTH OF ITEM-1 ALTD FROM 420 TO 400.	

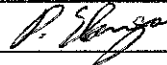
1	ELEC CABLE TIE ROD	Ø8 x 400	1		AIISI-304	0.16		
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:			
ELEC CABLE TIE ROD					SCALE	SSE/D	L. Panduranga Rao	
					1:2	CHD		
					ALT. a	ALTD	HIRSHATH AHAMED	
						DRN	HIRSHATH AHAMED	
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1				
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAB15177		A3	

AAB15292

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



1	BRACKET FOR TERMINAL BOARD	2x50x459	1		RDSO/SPEC C-K201 X2CrNi12	0.37		
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5 END WALL ASSY.		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:			
BRACKET FOR TERMINAL BOARD					SCALE	SSE/D		
					1:2	CHD		
					ALT.	ALTD		
						DRN	B.SARAVANAN	
					INDIAN RAILWAY STANDARDS			
INTEGRAL COACH FACTORY, CHENNAI - 600088								

AAB15431

▽ ROUGH MACHINED
▽▽ FINISH MACHINED
▽▽▽ FINE FINISH MACHINED

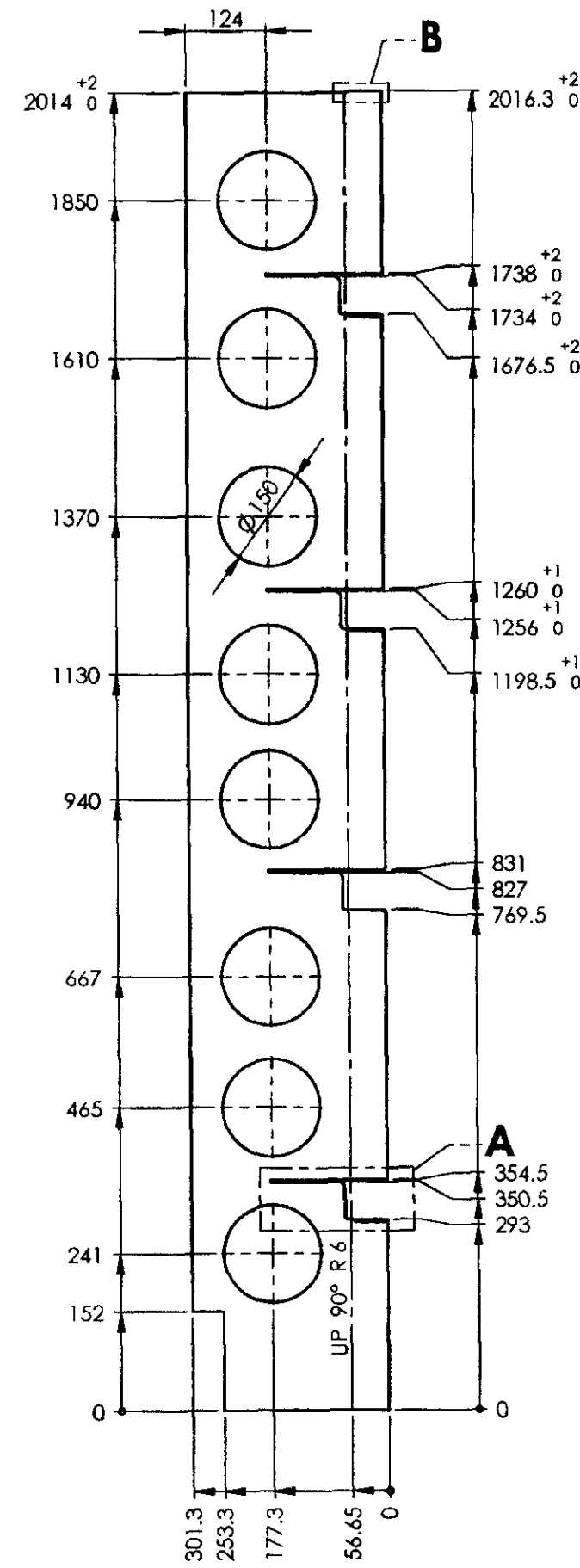
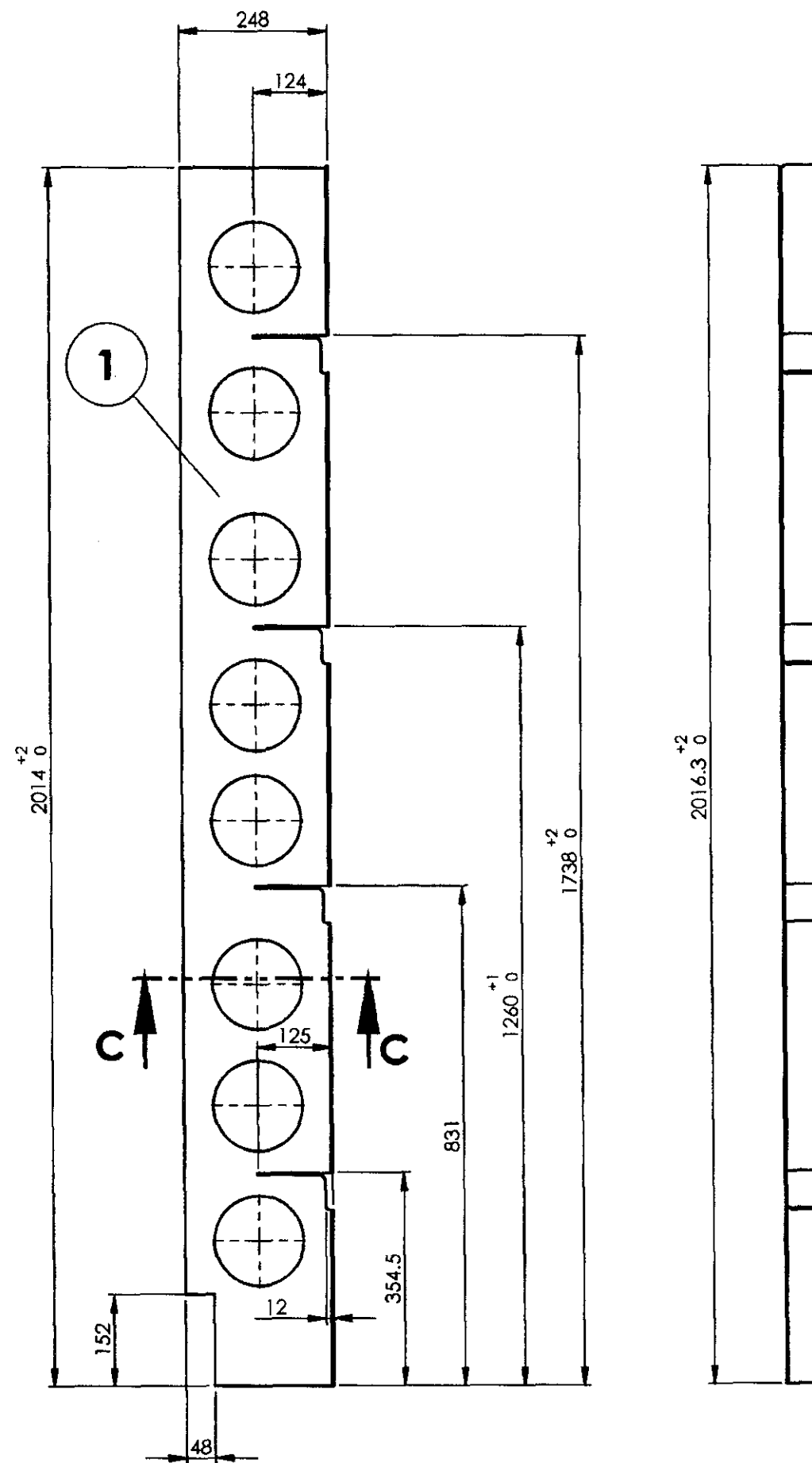
① ROUGH CLEANED
①⑤ BURRS REMOVED
①⑧ CHAMFERED

REVISIONS

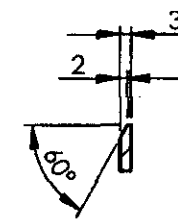
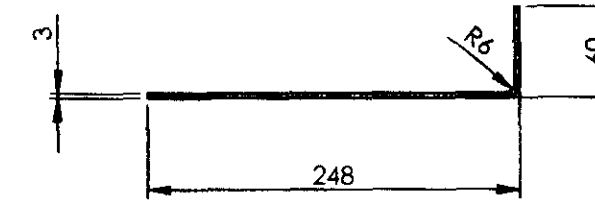
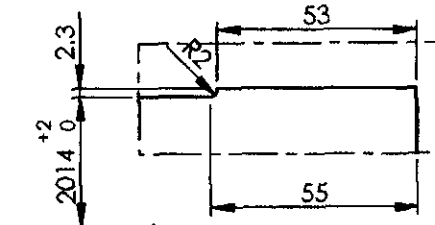
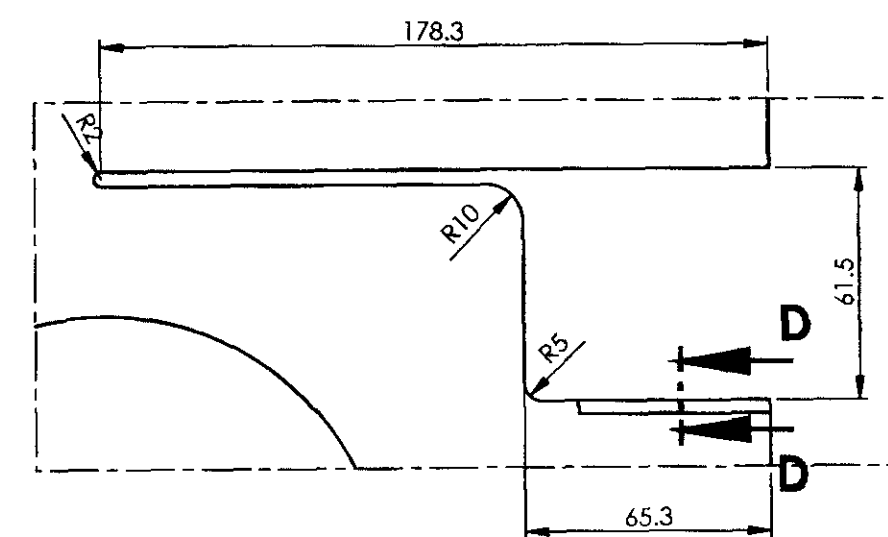
ALT.

ZONE

DESCRIPTION

APPROVED &
DATE

DEVELOPMENT VIEW

SECTION D-D
SCALE 1 : 2SECTION C-C
SCALE 1 : 5DETAIL B
SCALE 1 : 2DETAIL A
SCALE 1 : 2

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICF/STD-9-0-001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS813-1986.

REF.DRG.NO.

26-08-19
DATE OF LATEST ALT.

17-6-19
DATE OF FIRST ISSUE

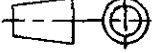
AME/SME

INDIAN RAILWAY STANDARDS
INTEGRAL COACH FACTORY, CHENNAI - 600038

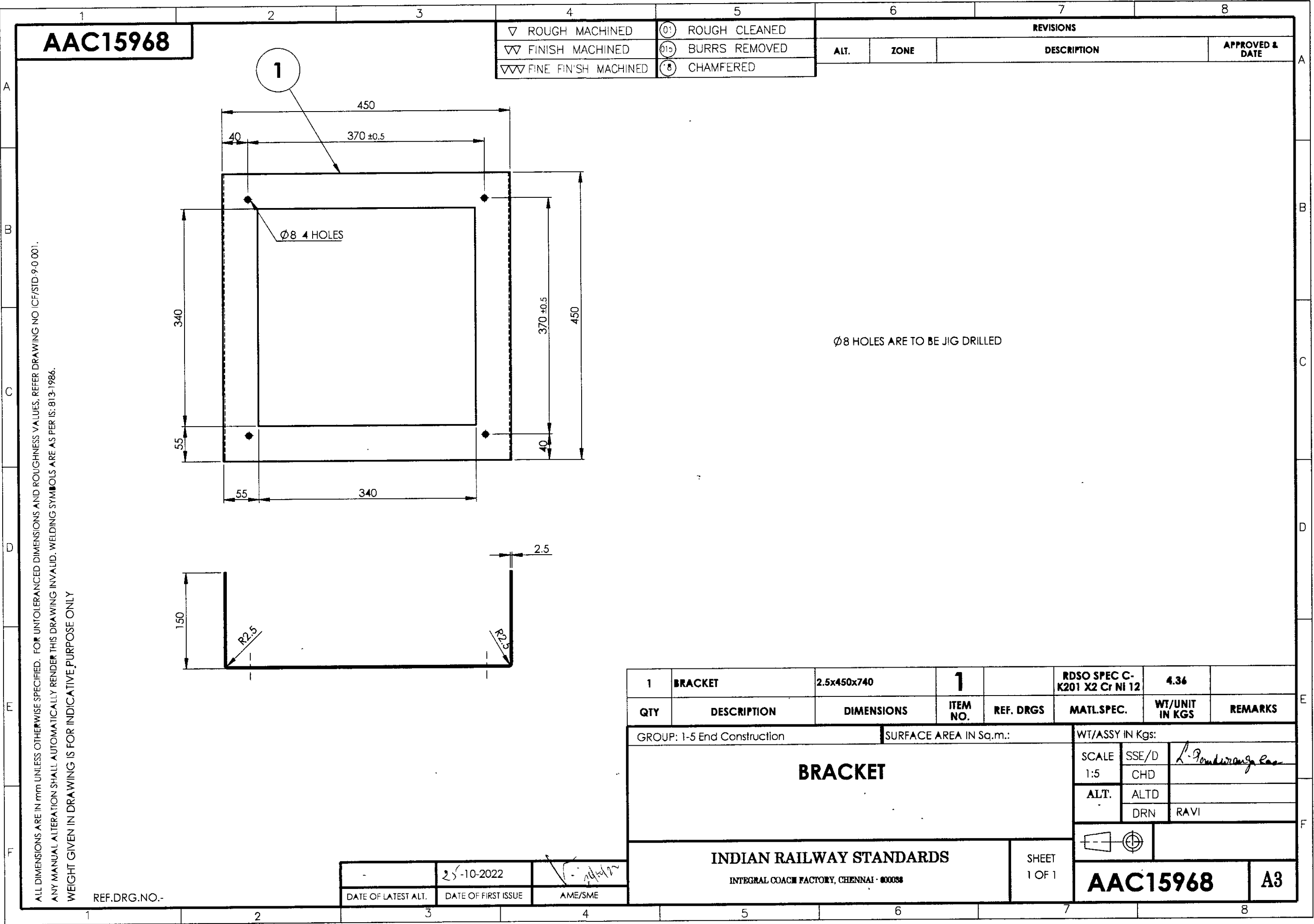
SHEET
1 OF 1

AAB15431

A2

1		3 x 302 x 2016	1		RDSO/SPEC. C- K201 X2 Cr Ni 12	10.583	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION			SURFACE AREA IN Sq.m.: 0.911			WT/ASSY IN Kgs:10.583	
RAM PILLAR					SCALE 1:10	SSE/D	<i>S. Indiranga Reddy</i>
						CHD	
					ALT -	ALTD	
						DRN	H. Irshath Ahamed
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1		
					AAB15431		A2

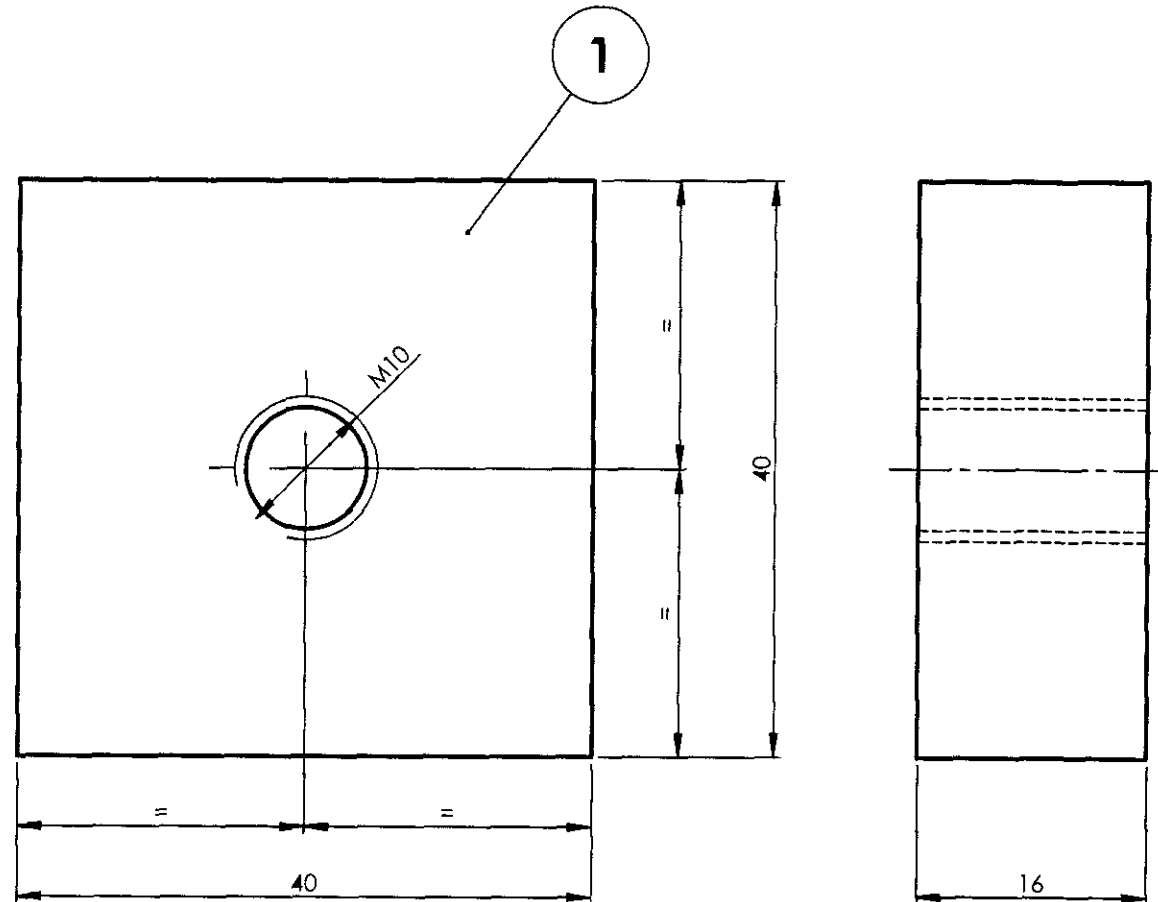
1		2		3		4		5		6		7		8	
AAC15832				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS							
				▽▽ FINISH MACHINED		② BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE	
				▽▽▽ FINE FIN'SH MACHINED		③ CHAMFERED									
A															
B															
C															
D															
E															
F															
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY															
REF.DRG.NO.															
10.03.2022															
AME/SME															
INDIAN RAILWAY STANDARDS															
INTEGRAL COACH FACTORY, CHENNAI - 600038															
SHEET 1 OF 1															
AAC15832															
A3															



AAD15485

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

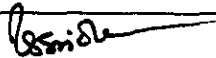

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
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WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.-

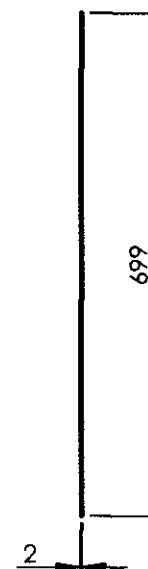
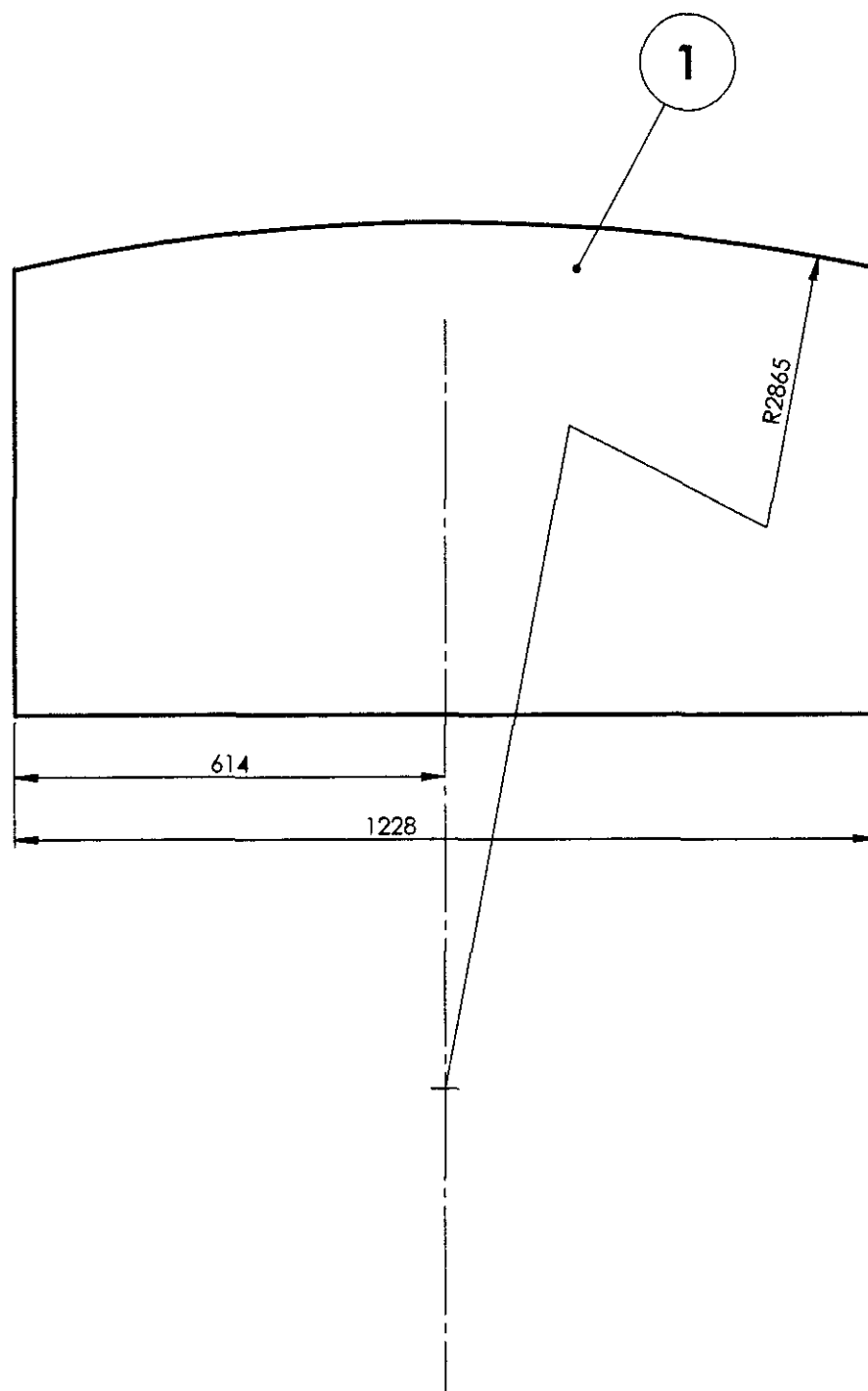
-	8 -02-2023	V. Suresh
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	A/E/SME

1	EARTHING BLOCK	16x40x40	1		SS-304	0.20	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
EARTHING BLOCK					SCALE	SSE/D	
					2:1	CHD	
					ALT.	ALTD	
						DRN	B.Suresh
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1		A3	
AAD15485							

AAD15690

▽ ROUGH MACHINED	⑩ ROUGH CLEANED
▽▽ FINISH MACHINED	⑪ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑫ CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



1	END WALL TOP SHEET	2 x 699 x 1228	1		RDSO SPEC C-K201 X2 Cr Ni 12	13.292	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction				SURFACE AREA IN Sq.m.: 1.147		WT/ASSY IN Kgs:	
END WALL TOP SHEET					SCALE	SSE/D	L. Pandey
					1:10	CHD	
					ALT.	ALTD	
						DRN	H. Irshath Ahamed
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAD15690		A3

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
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WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.

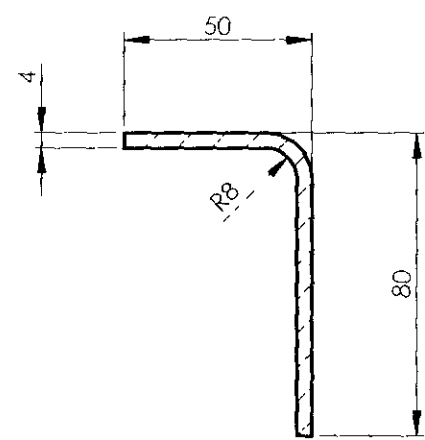
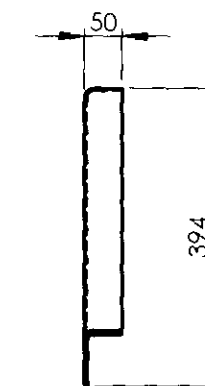
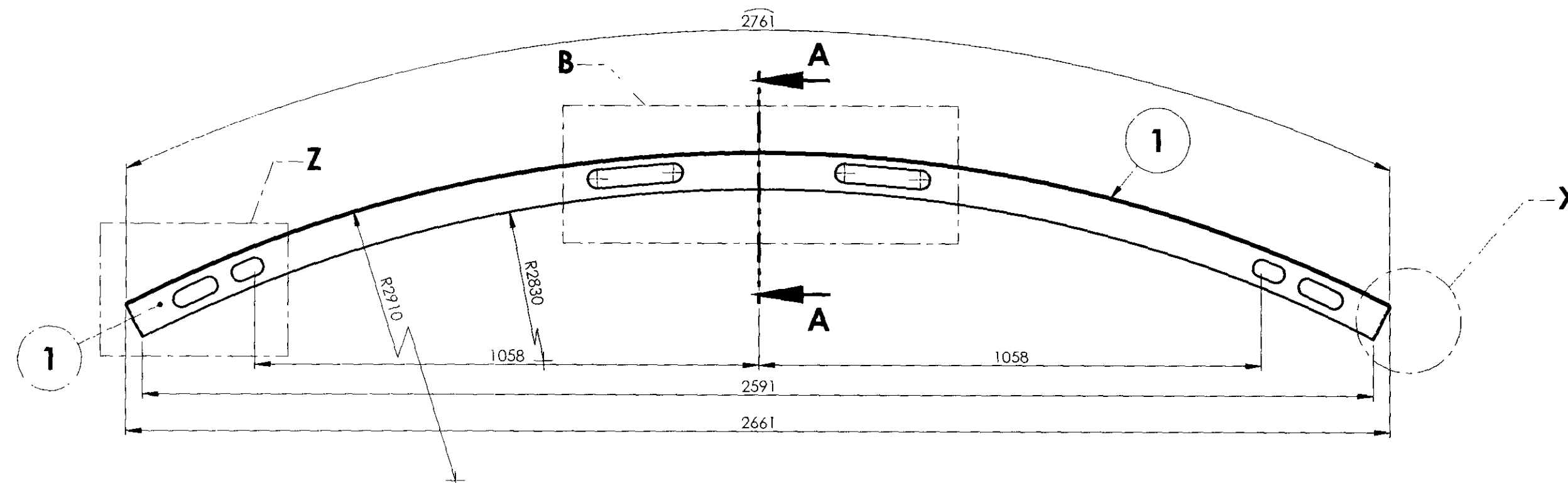
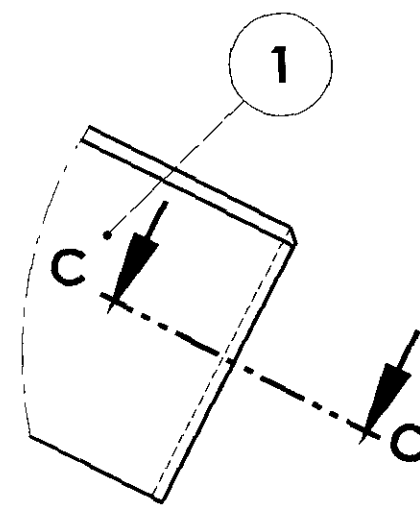
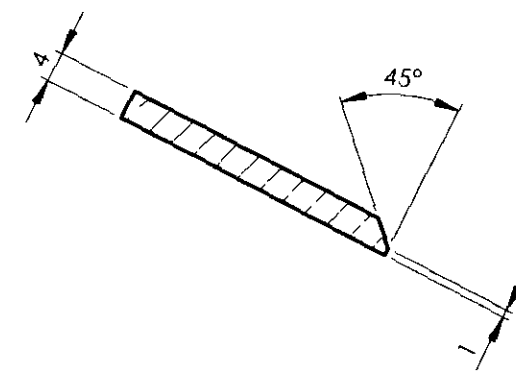
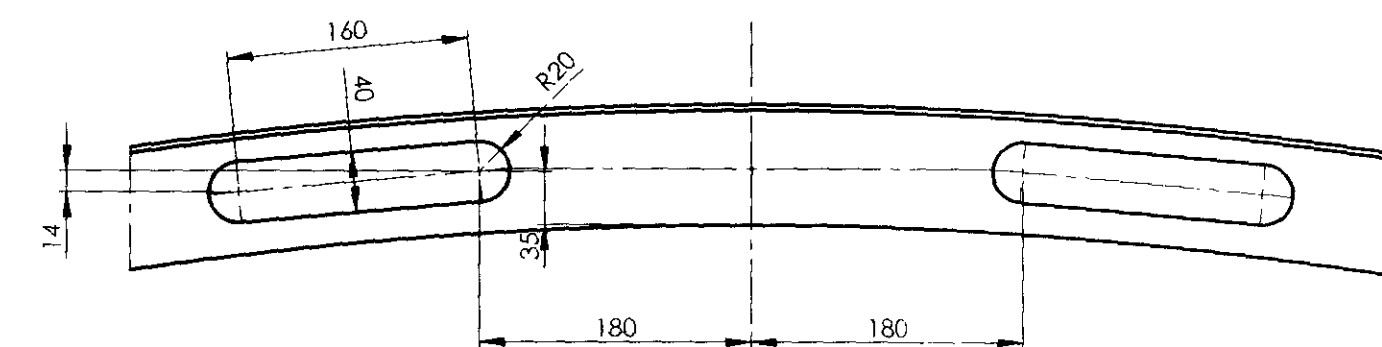
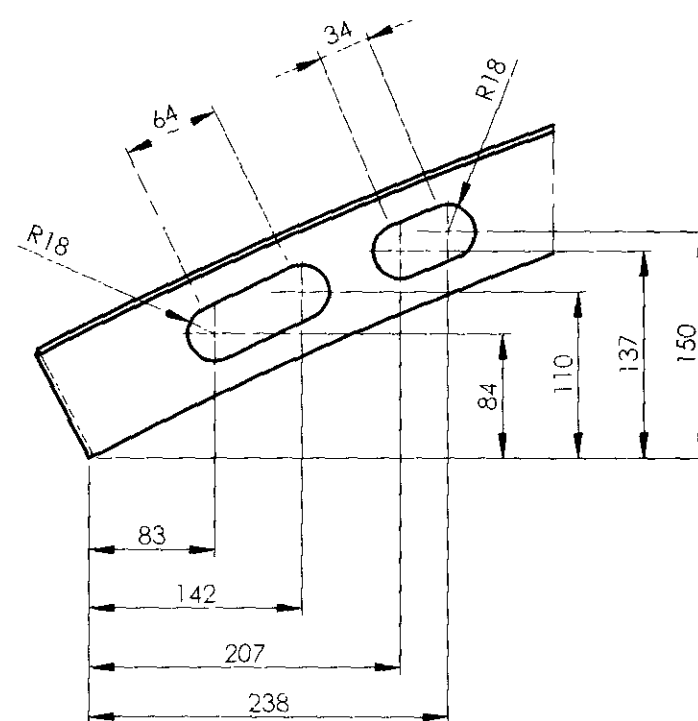
	18/7/23	V. 18/7/23
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAD15701

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		ADDITIONAL SLOTTED HOLES 4 NOS. ADDED DETAIL-Z ADDED.	<i>[Signature]</i>

SECTION A-A
SCALE 1 : 2DETAIL X
SCALE 1 : 2SECTION C-C
SCALE 1 : 1DETAIL B
SCALE 1 : 5DETAIL Z
SCALE 1 : 5

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICF/STD-9-0-001.
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REF.DRG.NO.

07-09-2023	17-07-2023	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	ARCH	4x122x2747.5	1	RDSO/SPEC C-K201 X2CrNi12	9.823	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS
GROUP: I-5 End Construction		SURFACE AREA IN Sq.m : 0.644		WT/ASSY IN Kgs:		
ARCH		SCALE 1:10		CHD	RAVI	
INDIAN RAILWAY STANDARDS		SHEET 1 OF 1		ALT at	3D: B.SURESH 2D: VEDA VAKSHINI.E	
INTEGRAL COACH FACTORY, CHENNAI - 600038		AAD15701		A2		

1		2		3		4		5		6		7		8	
AAD15708				▽ ROUGH MACHINED		⊖ ROUGH CLEANED		REVISIONS							
				▽▽ FINISH MACHINED		⊖⊖ BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE	
				▽▽▽ FINE FINISH MACHINED		⊖⊖⊖ CHAMFERED									

1	SUPPORT FOR CONDUITS	2 x 240 x 285	1		RDSO SPEC C-K201 X2 Cr Ni 12	0.71	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
SUPPORT FOR CONDUITS						SCALE 1:5	SSE/D CHD
						ALT.	ALTD
						DRN	H. Irshath Ahamed
						INDIAN RAILWAY STANDARDS	
INTEGRAL COACH FACTORY, CHENNAI - 600031				AAD15708		A3	

REF.DRG.NO.

DATE OF LATEST ALT.

DATE OF FIRST ISSUE

AME/SME

18/1/23

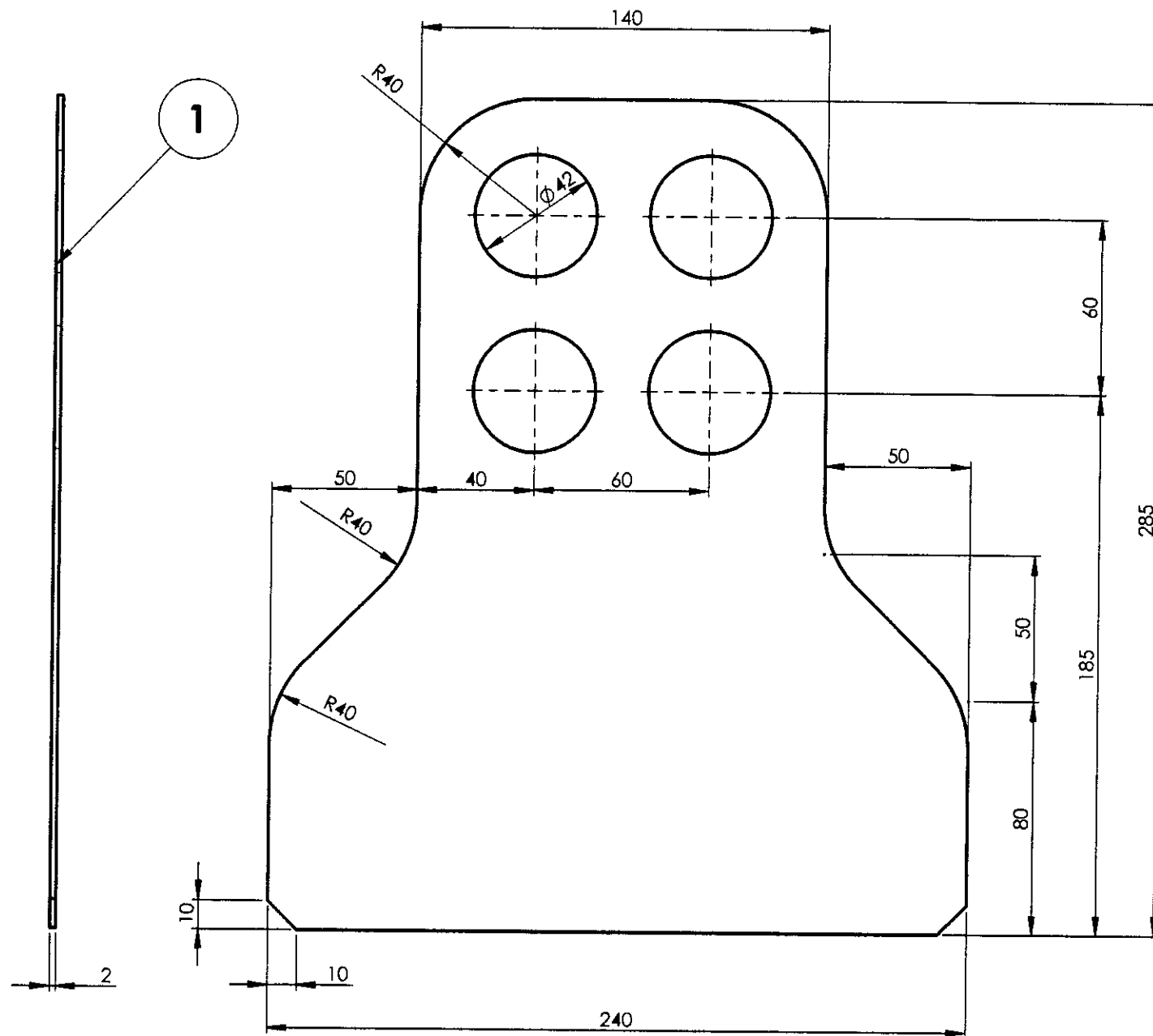
18/1/23

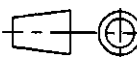
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.

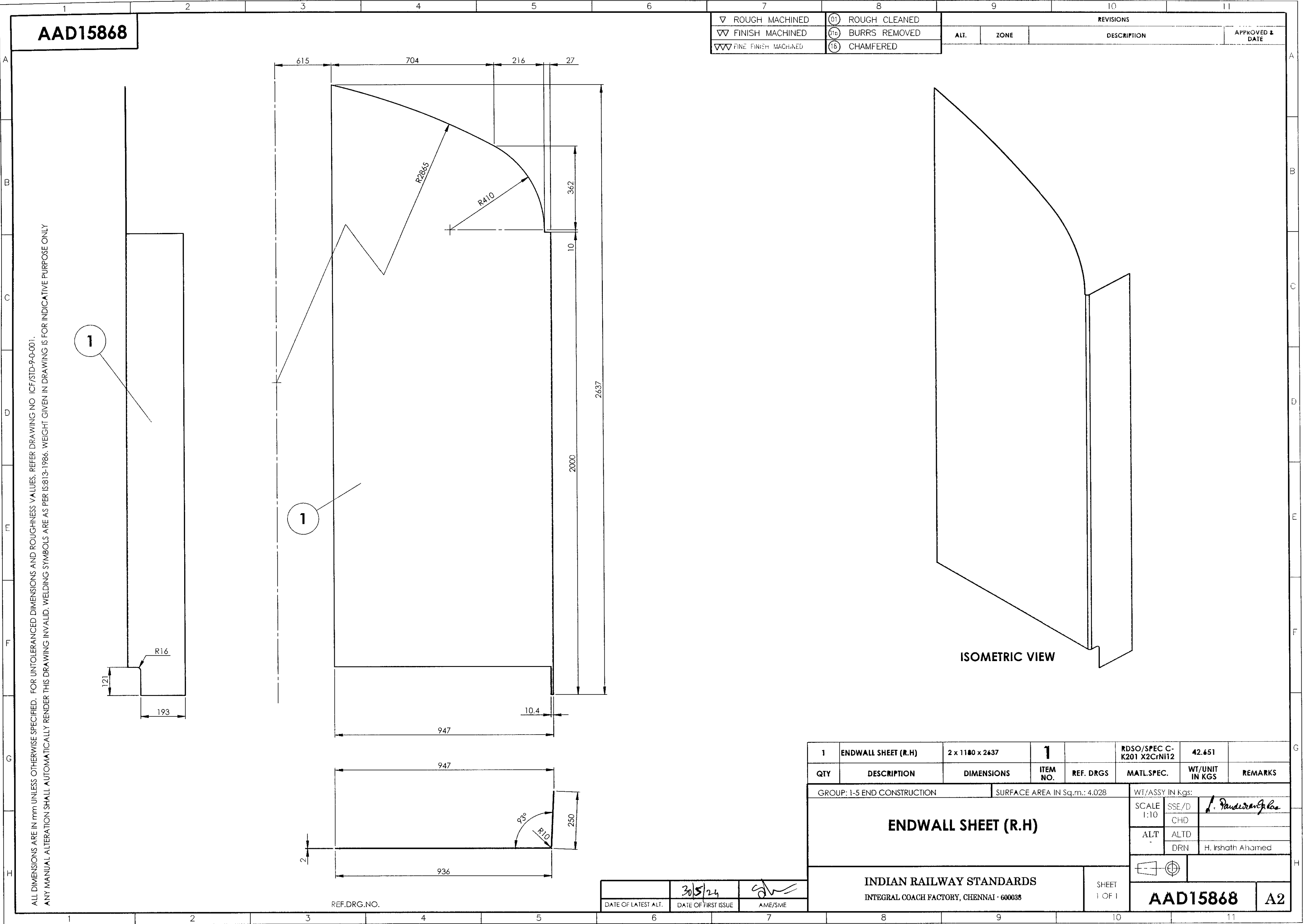
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER EN ISO 2553.

WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



1	SUPPORT FOR CONDUITS	2 x 240 x 285	1		RDSO SPEC C- K201 X2 Cr NI 12	0.71	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
SUPPORT FOR CONDUITS					SCALE	SSE/D	<i>L. Pandey</i>
					1:5	CHD	
					ALT.	ALTD	
						DRN	H. Irshath Ahamed
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			A3
INTEGRAL COACH FACTORY, CHENNAI - 600038							
					AAD15708		

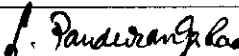
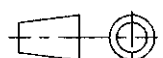


AAD15868

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

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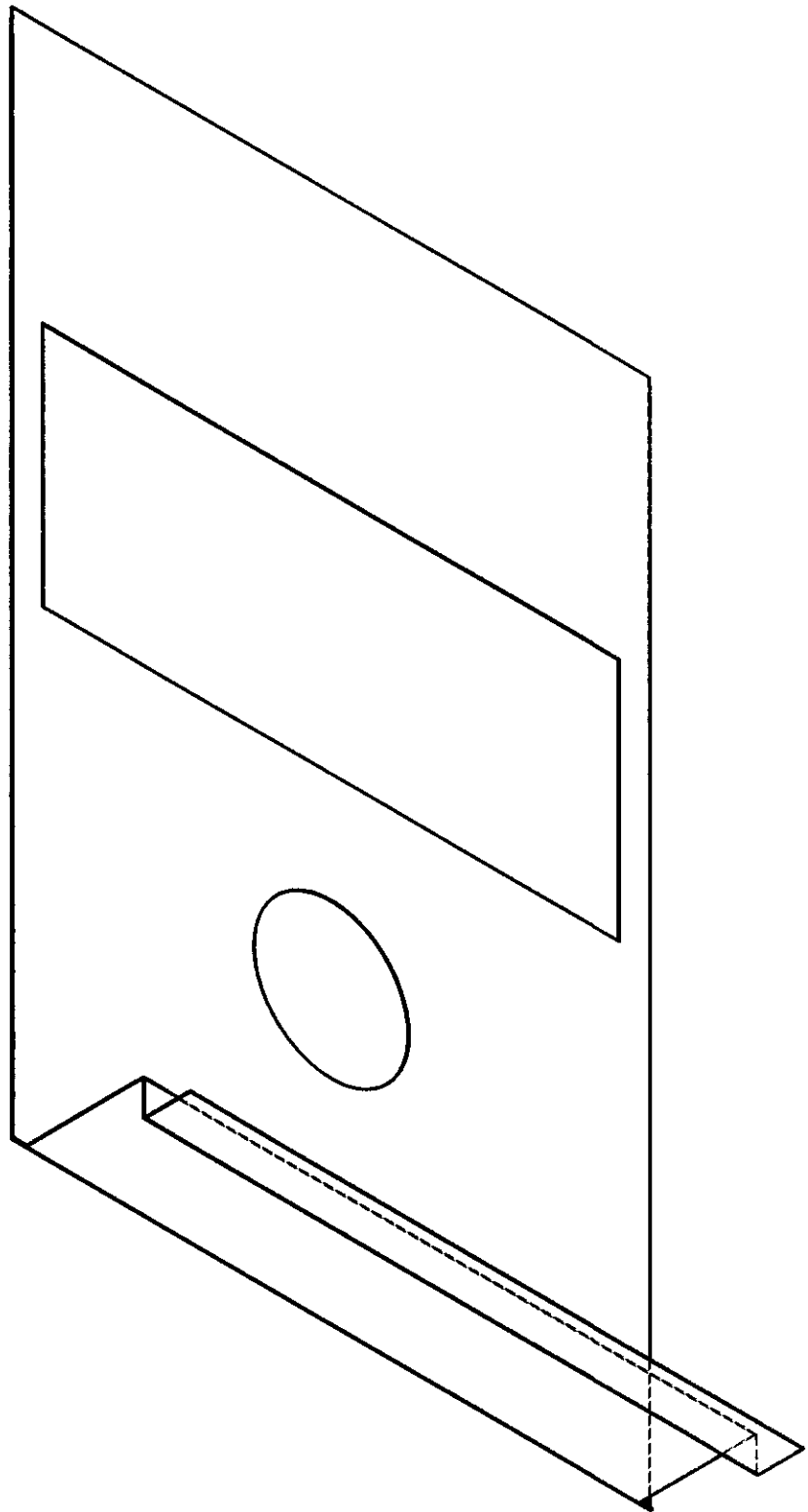
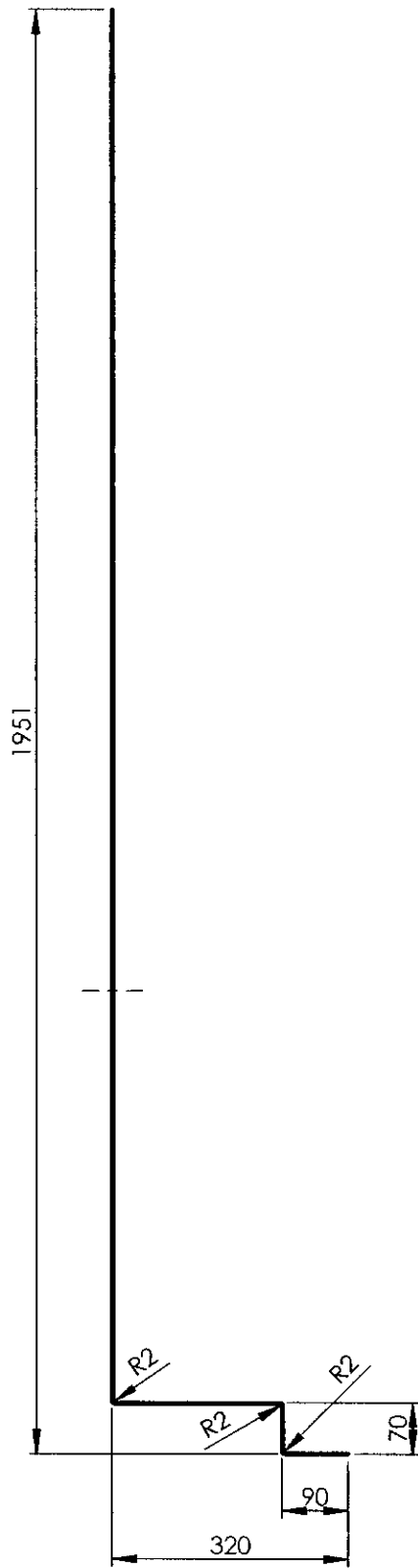
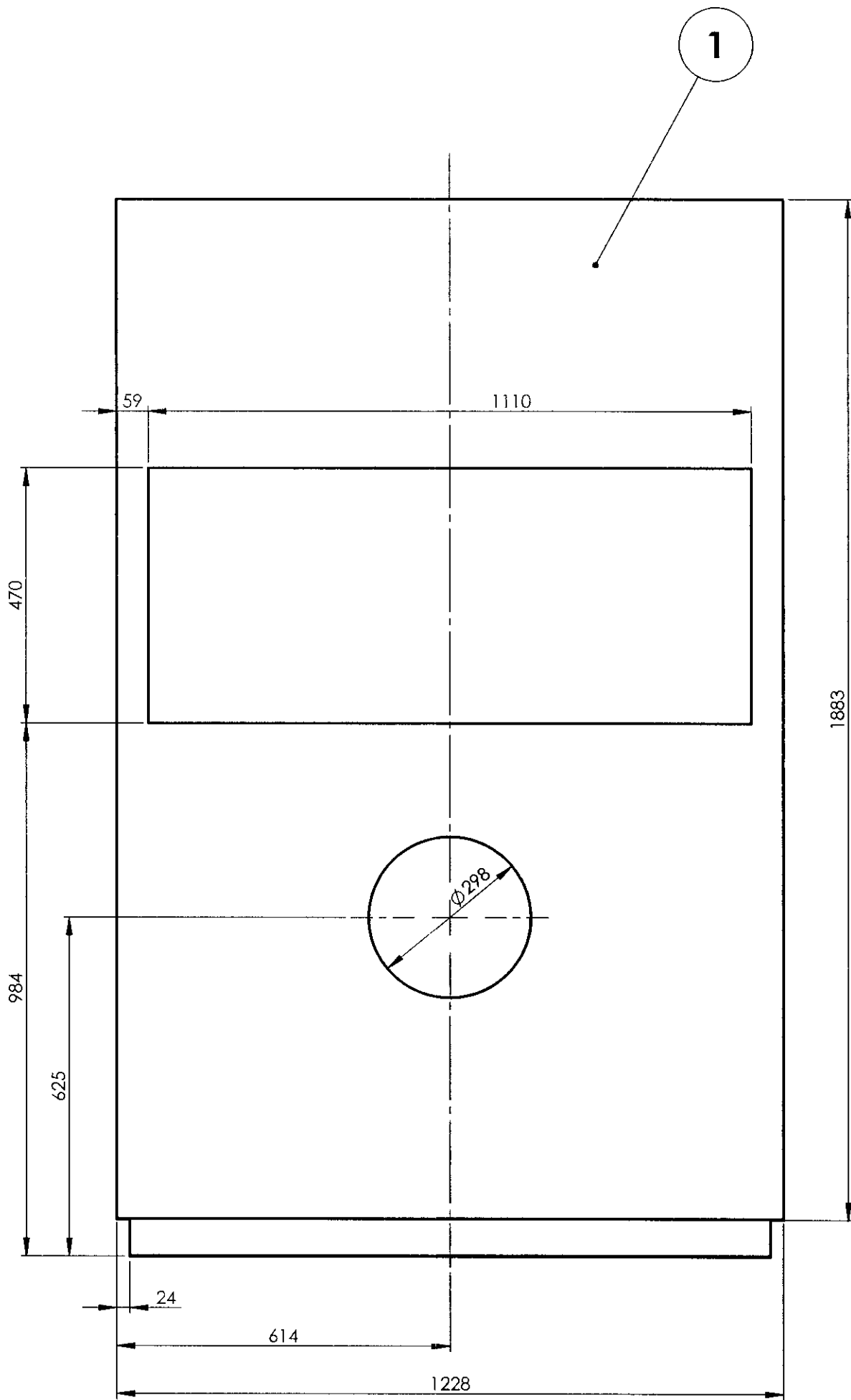
1	ENDWALL SHEET (R.H)	2 x 1180 x 2437	1		RDSO/SPEC C-K201 X2CrNi12	42.451			
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS		
GROUP: 1-5 END CONSTRUCTION			SURFACE AREA IN Sq.m.: 4.028			WT/ASSY IN Kgs:			
ENDWALL SHEET (R.H)						SCALE 1:10	SSE/D		
							CHD		
							ALT	ALTD	H. Irshath Ahmed
								DRN	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600035				SHEET 1 OF 1					
					AAD15868		A2		

DATE OF LATEST ALT.	30/5/24	AME/SME
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AAD15870

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

REVISIONS				APPROVED & DATE	
ALT.	ZONE	DESCRIPTION			



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REF.DRG.NO.

DATE OF LATEST ALT.	30/5/24	AME/SME
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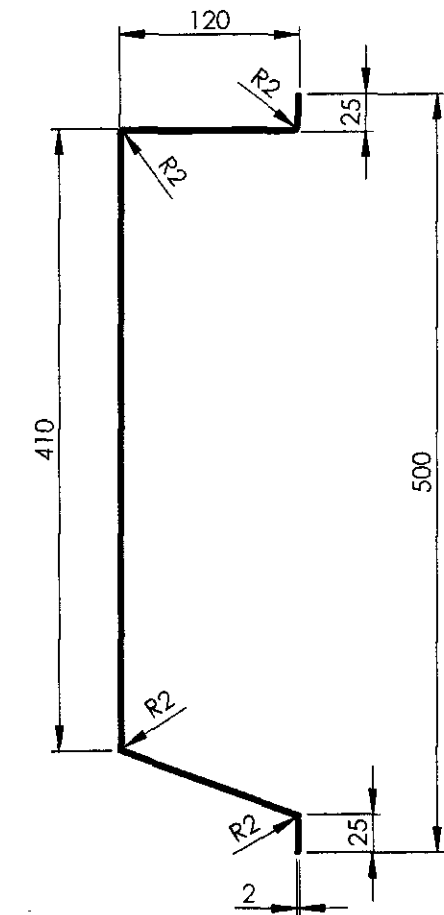
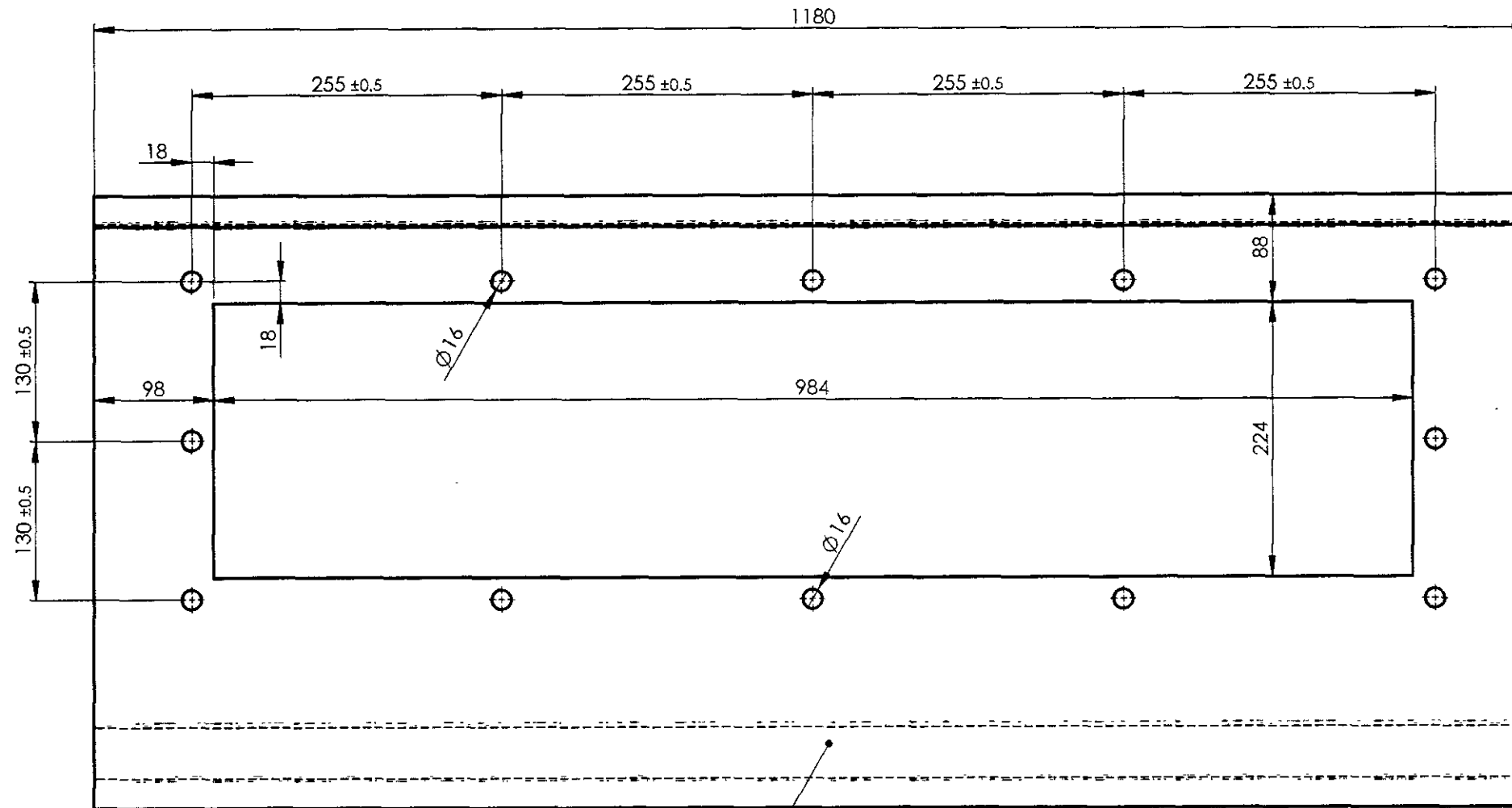
1	CENTRE SHEET	2 x 1228 x 2243	1		RDSO SPEC C-K201 X2 Cr Ni 12	34.75	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction					SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:
CENTRE SHEET					SCALE 1:10	SSE □	H. Irshath Anand
					ALT	CHD	
					ALT	ALT	
					DRN	DRN	
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAD15870		A2

AAD15871

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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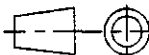


1

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REF.DRG.NO.

DATE OF LATEST ALT.	30/5/24	AME/SME
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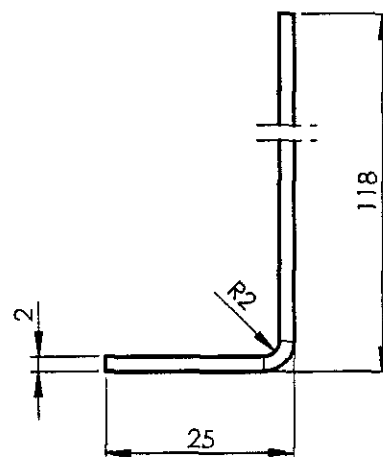
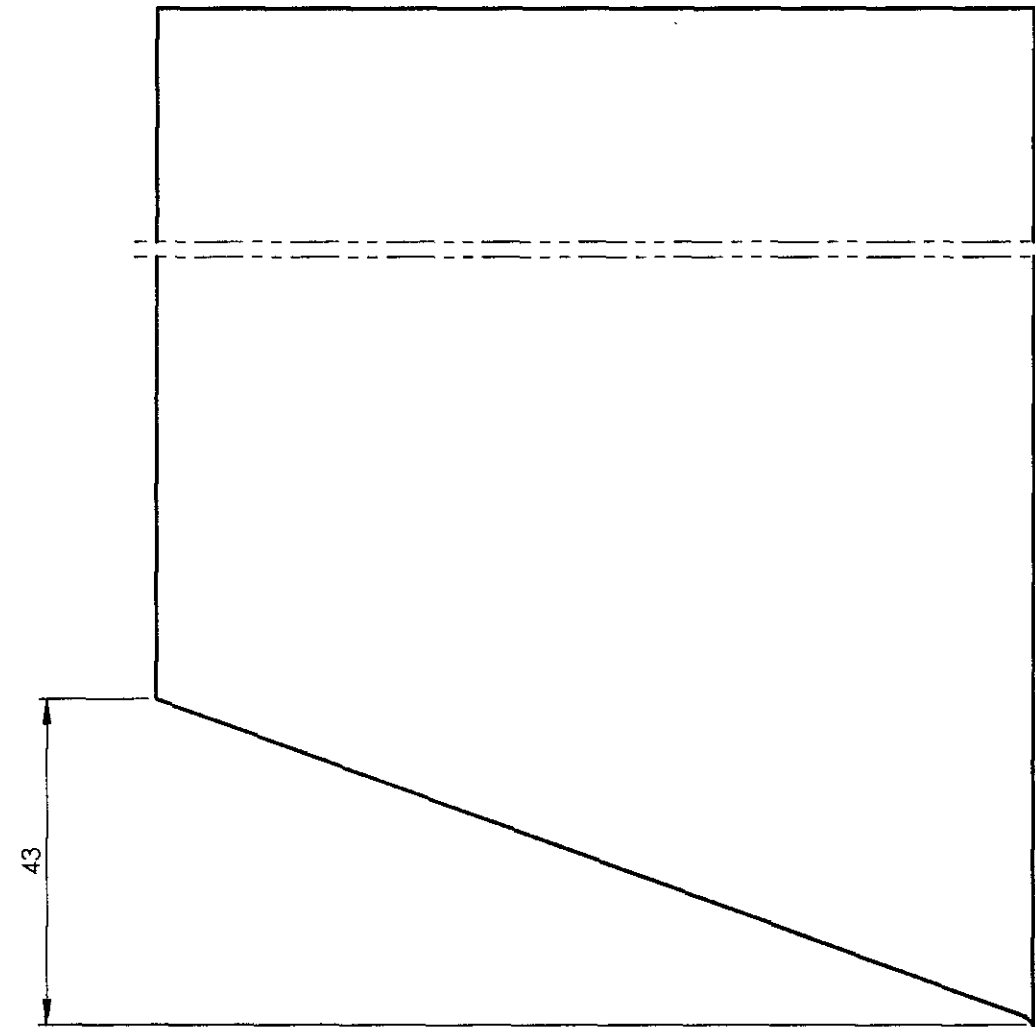
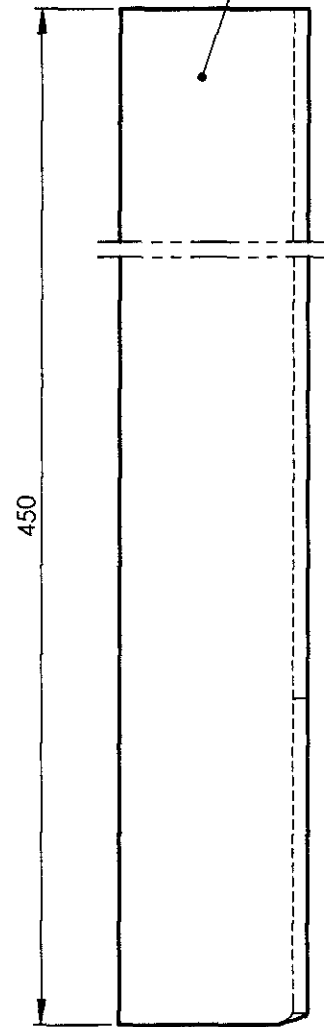
1	COUPLER PLATE	2 x 700 x 1180	1		RDSO SPEC C-K201 X2 Cr Ni 12	9.59	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
COUPLER PLATE					SCALE	SSE/D	L. Pandurangam
					1:5	CHD	
					ALT.	ALTD	
						DRN	H. Irshath Ahamed
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAD15871		A3

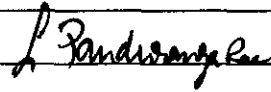
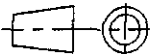
AAD15872

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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1	SIDE COVER	2 x 139 x 450	1		RDSO SPEC C- K201 X2 Cr Ni 12	0.97	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
SIDE COVER					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	
						DRN	H. Irshath Ahamed
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAD15872		A3

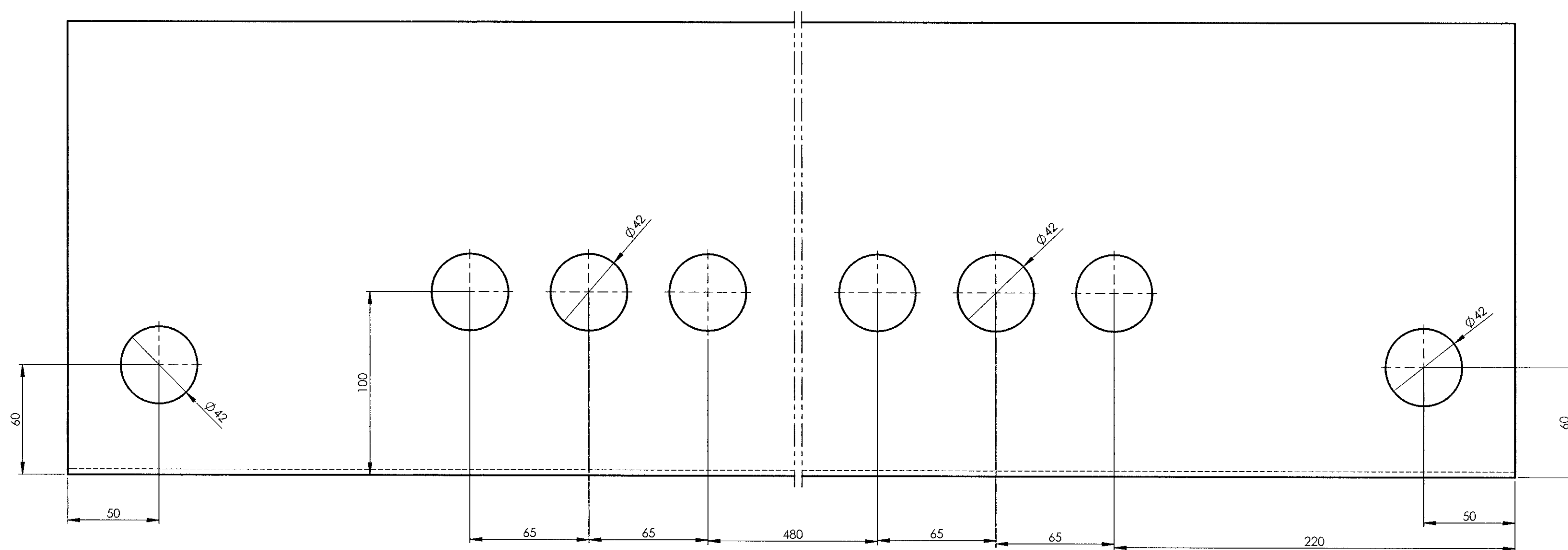
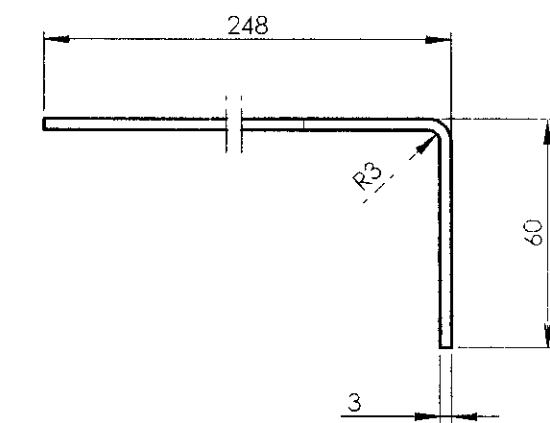
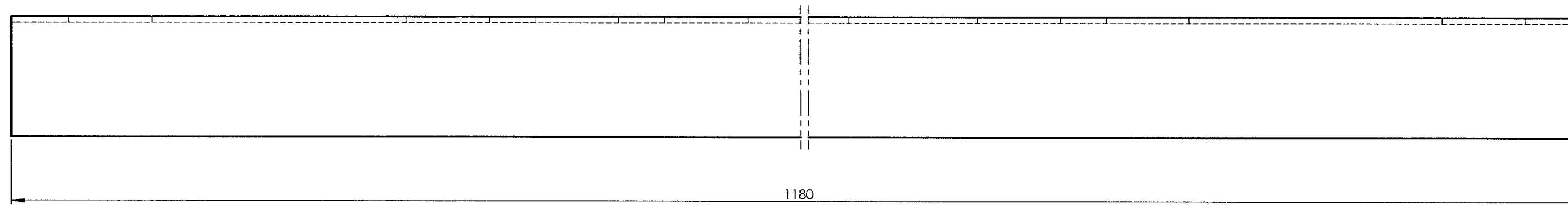
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER EN ISO 2553. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

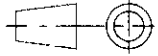
REF.DRG.NO.

AAD15873

▽ ROUGH MACHINED	①1 ROUGH CLEANED
▽▽ FINISH MACHINED	①c BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①6 CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



1	HORIZONTAL STIFFENER	3 x 302 x 1180	1		RDSO SPEC C-K201 X2 Cr Ni 12	8.32	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: I-5 End Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
HORIZONTAL STIFFENER					SCALE 1:5	SSE/D	L. Panduranga Rao
						CHD	
					ALT	ALTD	
						DRN	H. Irshath Ahamed
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600035				SHEET 1 OF 1			
					AAD15873		A2

1		2		3		4		5		6		7		8		
AAD15874				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS								
				▽▽ FINISH MACHINED		①b BURRS REMOVED		ALT.		ZONE		DESCRIPTION			APPROVED & DATE	
				▽▽▽ FINE FINISH MACHINED		①c CHAMFERED										
A																
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D																
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REF.DRG.NO.

1	SIDE COVER	2 x 139 x 450	1		RDSO SPEC C-K201 X2 Cr Ni 12	0.97	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
SIDE COVER					SCALE 1:5	SSE/D CHD	<i>L. Pandurangam</i>
					ALT.	ALTD	
						DRN	H. Irshath Ahamed
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAD15874		A3

	30/5/24	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

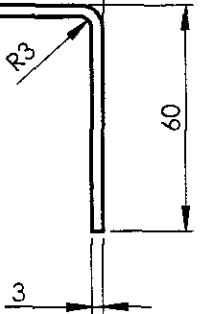
AAD15878

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

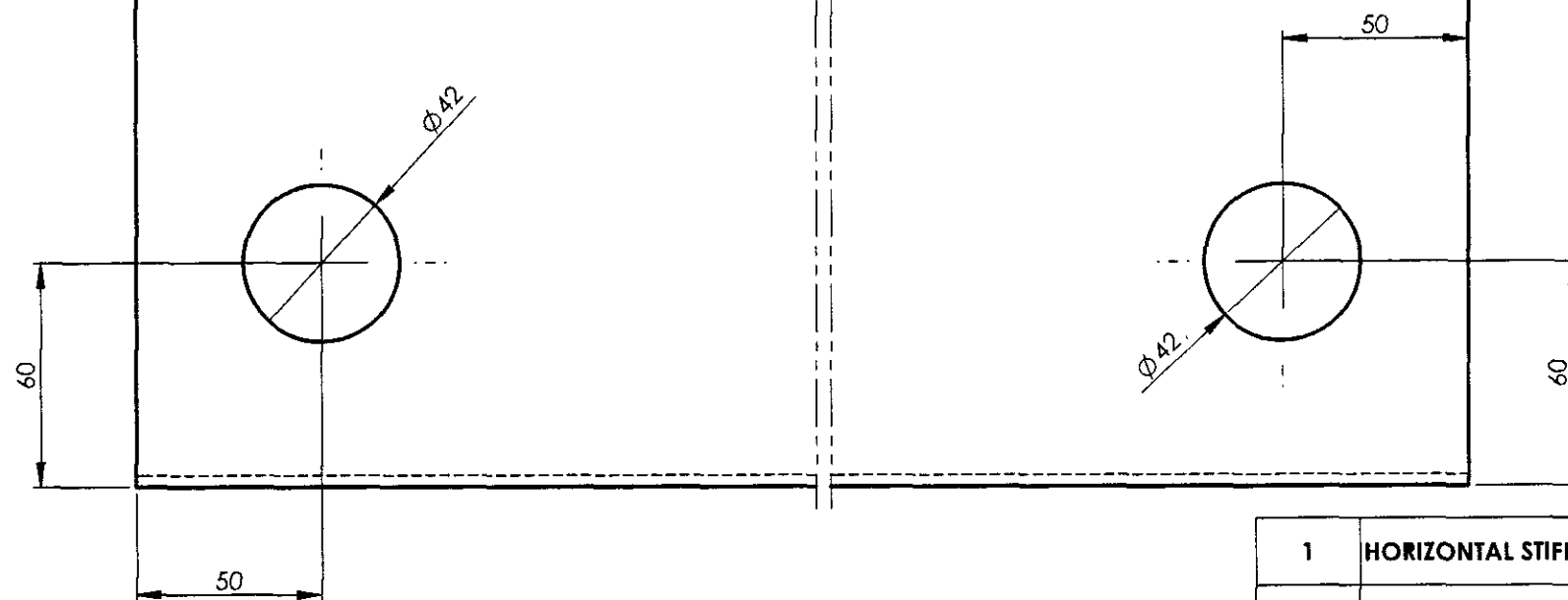
REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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248



1



1	HORIZONTAL STIFFENER	3 x 302 x 1180	1		RDSO SPEC C-K201 X2 Cr Ni 12	8.52	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS

GROUP: 1-5 End Construction

SURFACE AREA IN Sq.m.:

WT/ASSY IN Kgs:

HORIZONTAL STIFFENER

SCALE
1:10SSE/D
CHD

A. Panduranga Rao

ALT.

ALTD

DRN

H. Irshath Ahamed

INDIAN RAILWAY STANDARDS

INTEGRAL COACH FACTORY, CHENNAI - 600038

SHEET
1 OF 1

AAD15878

A3

REF.DRG.NO.-

	30/5/24	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
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WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

1		2		3		4		5		6		7		8																																																					
AAD15880				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS																																																											
				▽▽ FINISH MACHINED		①b BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE																																																					
				▽▽▽ FINE FINISH MACHINED		⑱ CHAMFERED																																																													
<div><div>ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER EN ISO 2553. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY</div><div><div><div><div><div><div>1</div><div>130 ±0.5</div><div>130 ±0.5</div><div>20</div><div>255 ±0.5</div><div>255 ±0.5</div><div>255 ±0.5</div><div>255 ±0.5</div><div>1060</div><div>300</div></div><div>M 12 TAPPED</div><div>1</div></div><div><div>10</div></div></div></div></div><div>ALTERNATIVELY IS:6911 X02 Cr12 (OR) IS:6911 X04Cr19 Ni9 ALSO ACCEPTABLE.</div><table><tr><td>1</td><td>BASE PLATE FOR ELECTRICAL COUPLER</td><td>10 x 300 x 1060</td><td>1</td><td></td><td>RDSO SPEC C-K201 X2 Cr Ni 12</td><td>8.11</td><td></td></tr><tr><td>QTY</td><td>DESCRIPTION</td><td>DIMENSIONS</td><td>ITEM NO.</td><td>REF. DRGS</td><td>MATL.SPEC.</td><td>WT/UNIT IN KGS</td><td>REMARKS</td></tr><tr><td colspan="4">GROUP: 1-5 End Construction</td><td colspan="2">SURFACE AREA IN Sq.m.:</td><td colspan="2">WT/ASSY IN Kgs:</td></tr><tr><td colspan="5" rowspan="4">BASE PLATE FOR ELECTRICAL COUPLER</td><td>SCALE 1:5</td><td>SSE/D CHD</td><td rowspan="2">L. Pandurangiah</td></tr><tr><td>ALT.</td><td>ALTD</td><td></td></tr><tr><td></td><td>DRN</td><td>H. Irshath Ahamed</td></tr><tr><td colspan="5">INDIAN RAILWAY STANDARDS</td><td colspan="2">SHEET 1 OF 1</td></tr><tr><td colspan="5">INTEGRAL COACH FACTORY, CHENNAI - 600038</td><td colspan="2">A3</td></tr></table><div><div>REF.DRG.NO.</div><div>30/5/24</div><div></div><div>DATE OF LATEST ALT.</div><div>DATE OF FIRST ISSUE</div><div>AME/SME</div></div></div>																1	BASE PLATE FOR ELECTRICAL COUPLER	10 x 300 x 1060	1		RDSO SPEC C-K201 X2 Cr Ni 12	8.11		QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-5 End Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:		BASE PLATE FOR ELECTRICAL COUPLER					SCALE 1:5	SSE/D CHD	L. Pandurangiah	ALT.	ALTD			DRN	H. Irshath Ahamed	INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		INTEGRAL COACH FACTORY, CHENNAI - 600038					A3	
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INTEGRAL COACH FACTORY, CHENNAI - 600038					A3																																																														

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AAD15881				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS																																																																														
				▽▽ FINISH MACHINED		② BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE																																																																								
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ASTM - 276 TYPE 304 CAN BE USED AS ALTERNATIVE MATERIAL.																																																																																						
<table><tr><td>1</td><td>ELECTRICAL CABLE TIE ROD</td><td>Ø8 x 490</td><td>1</td><td></td><td>IS 6603-2001 X04Cr19Ni9</td><td>0.20</td><td></td></tr><tr><td>QTY</td><td>DESCRIPTION</td><td>DIMENSIONS</td><td>ITEM NO.</td><td>REF. DRGS</td><td>MATL.SPEC.</td><td>WT/UNIT IN KGS</td><td>REMARKS</td></tr><tr><td colspan="5">GROUP: 1-5 End Construction</td><td colspan="2">SURFACE AREA IN Sq.m.:</td><td>WT/ASSY IN Kgs:</td></tr><tr><td colspan="5" rowspan="4">ELECTRICAL CABLE TIE ROD</td><td>SCALE</td><td>SSE/D</td><td rowspan="4"><div><div></div><div>L. Pandurangam</div><div>H. Irshath Ahamed</div></div></td></tr><tr><td>1:5</td><td>CHD</td></tr><tr><td>ALT.</td><td>ALTD</td></tr><tr><td></td><td>DRN</td></tr><tr><td colspan="5">INDIAN RAILWAY STANDARDS</td><td colspan="2">SHEET 1 OF 1</td><td></td></tr><tr><td colspan="5">INTEGRAL COACH FACTORY, CHENNAI - 600038</td><td colspan="2"></td><td></td></tr><tr><td colspan="2">REF.DRG.NO.</td><td>30/5/24</td><td>AME/SME</td><td colspan="4">AAD15881</td><td>A3</td></tr><tr><td>DATE OF LATEST ALT.</td><td>DATE OF FIRST ISSUE</td><td colspan="5"></td><td></td></tr></table>																1	ELECTRICAL CABLE TIE ROD	Ø8 x 490	1		IS 6603-2001 X04Cr19Ni9	0.20		QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-5 End Construction					SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	ELECTRICAL CABLE TIE ROD					SCALE	SSE/D	<div><div></div><div>L. Pandurangam</div><div>H. Irshath Ahamed</div></div>	1:5	CHD	ALT.	ALTD		DRN	INDIAN RAILWAY STANDARDS					SHEET 1 OF 1			INTEGRAL COACH FACTORY, CHENNAI - 600038								REF.DRG.NO.		30/5/24	AME/SME	AAD15881				A3	DATE OF LATEST ALT.	DATE OF FIRST ISSUE						
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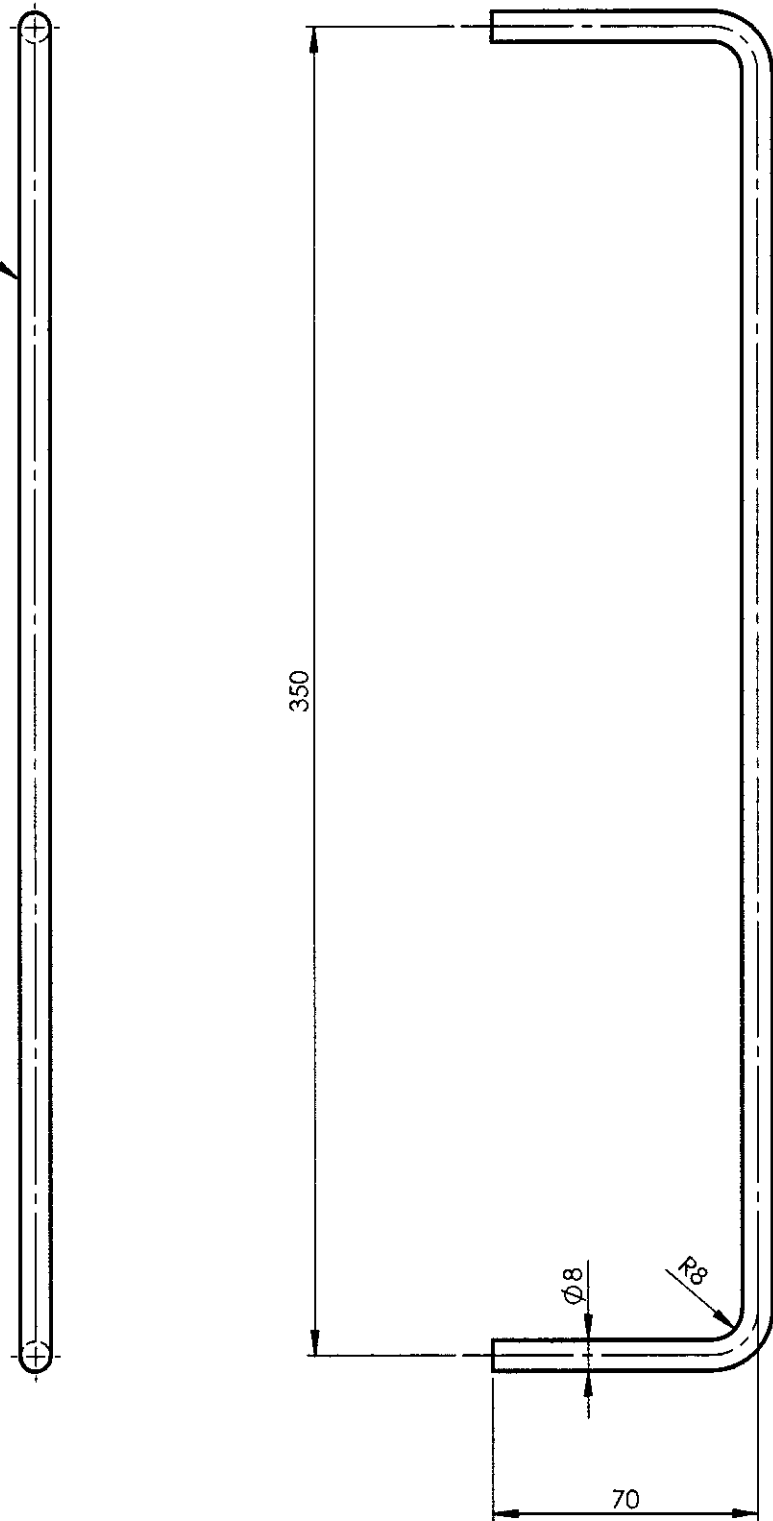
1		2		3		4		5		6		7		8																																																						
AAD15882				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS																																																												
				▽▽ FINISH MACHINED		①b BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE																																																						
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<table><tr><td>1</td><td>SUPPORT ANGLE</td><td>4 x 92 x 1170</td><td>1</td><td></td><td>RDSO SPEC C-K201 X2 Cr Ni 12</td><td>3.50</td><td></td></tr><tr><td>QTY</td><td>DESCRIPTION</td><td>DIMENSIONS</td><td>ITEM NO.</td><td>REF. DRGS</td><td>MATL.SPEC.</td><td>WT/UNIT IN KGS</td><td>REMARKS</td></tr><tr><td colspan="4">GROUP: 1-5 End Construction</td><td colspan="2">SURFACE AREA IN Sq.m.:</td><td colspan="2">WT/ASSY IN Kgs:</td></tr><tr><td colspan="5" rowspan="3">SUPPORT ANGLE</td><td>SCALE 1:1</td><td>SSE/D CHD</td><td>L. Panduranga Rao</td></tr><tr><td>ALT.</td><td>ALTD</td><td></td></tr><tr><td>DRN</td><td>H. Irshath Ahamed</td></tr><tr><td colspan="4">INDIAN RAILWAY STANDARDS</td><td colspan="2">SHEET 1 OF 1</td><td colspan="2">A3</td></tr><tr><td colspan="4">INTEGRAL COACH FACTORY, CHENNAI - 600038</td><td colspan="2"></td><td colspan="2"></td></tr></table>																1	SUPPORT ANGLE	4 x 92 x 1170	1		RDSO SPEC C-K201 X2 Cr Ni 12	3.50		QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-5 End Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:		SUPPORT ANGLE					SCALE 1:1	SSE/D CHD	L. Panduranga Rao	ALT.	ALTD		DRN	H. Irshath Ahamed	INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		A3		INTEGRAL COACH FACTORY, CHENNAI - 600038							
1	SUPPORT ANGLE	4 x 92 x 1170	1		RDSO SPEC C-K201 X2 Cr Ni 12	3.50																																																														
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REF.DRG.NO.		DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME																																																														
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AAD15899

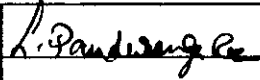
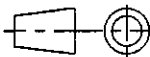
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

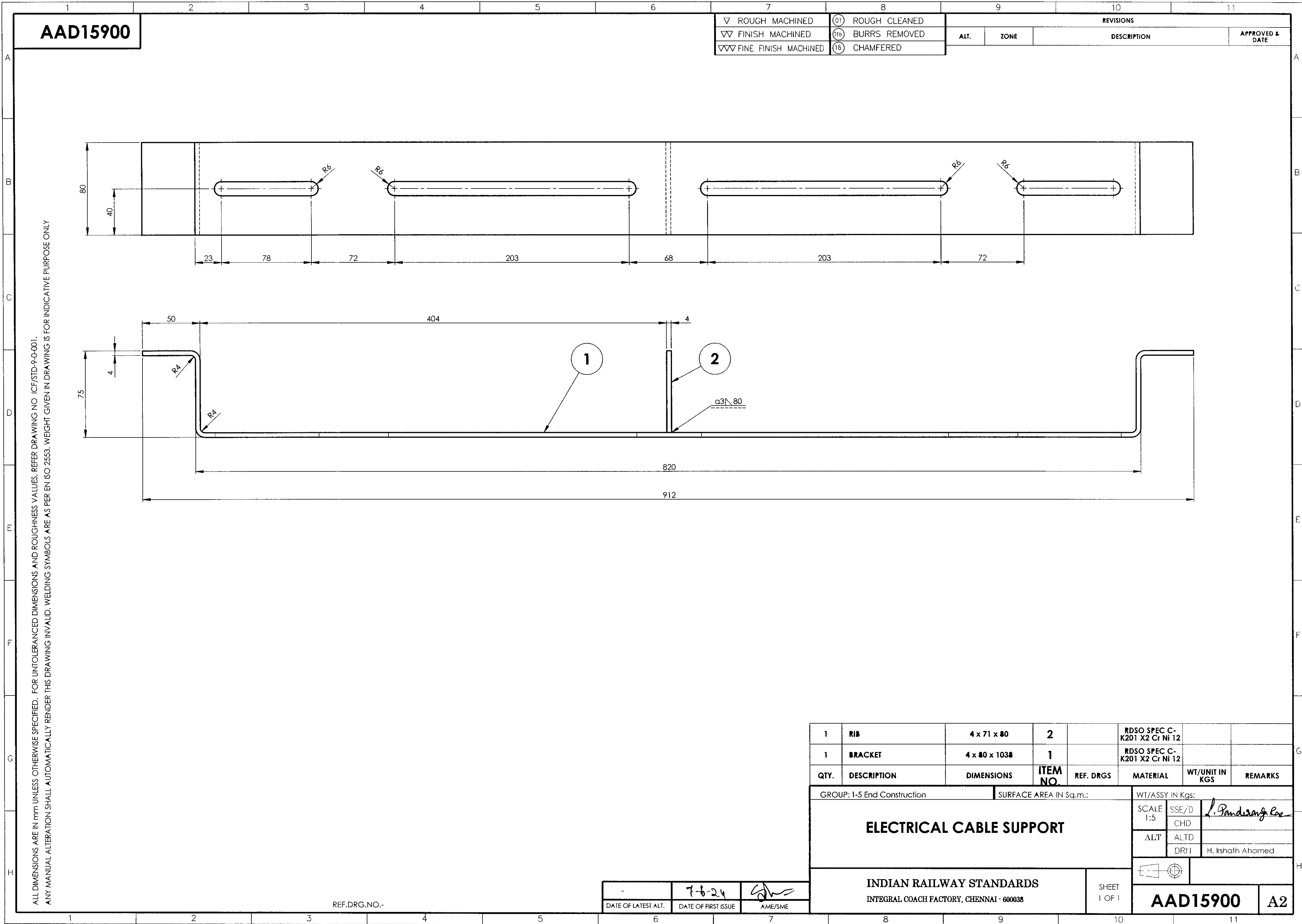
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

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ASTM - 276 TYPE 304 CAN BE USED AS ALTERNATIVE MATERIAL.

1	ELECTRICAL CABLE TIE ROD	Ø8 x 480	1		IS 6603-2001 X04Cr19Ni9	0.19	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
ELECTRICAL CABLE TIE ROD					SCALE	SSE/D	
					1:2	CHD	
					ALT.	ALTD	
						DRN	H. Irshath Ahamed
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1	AAD15899	
							A3

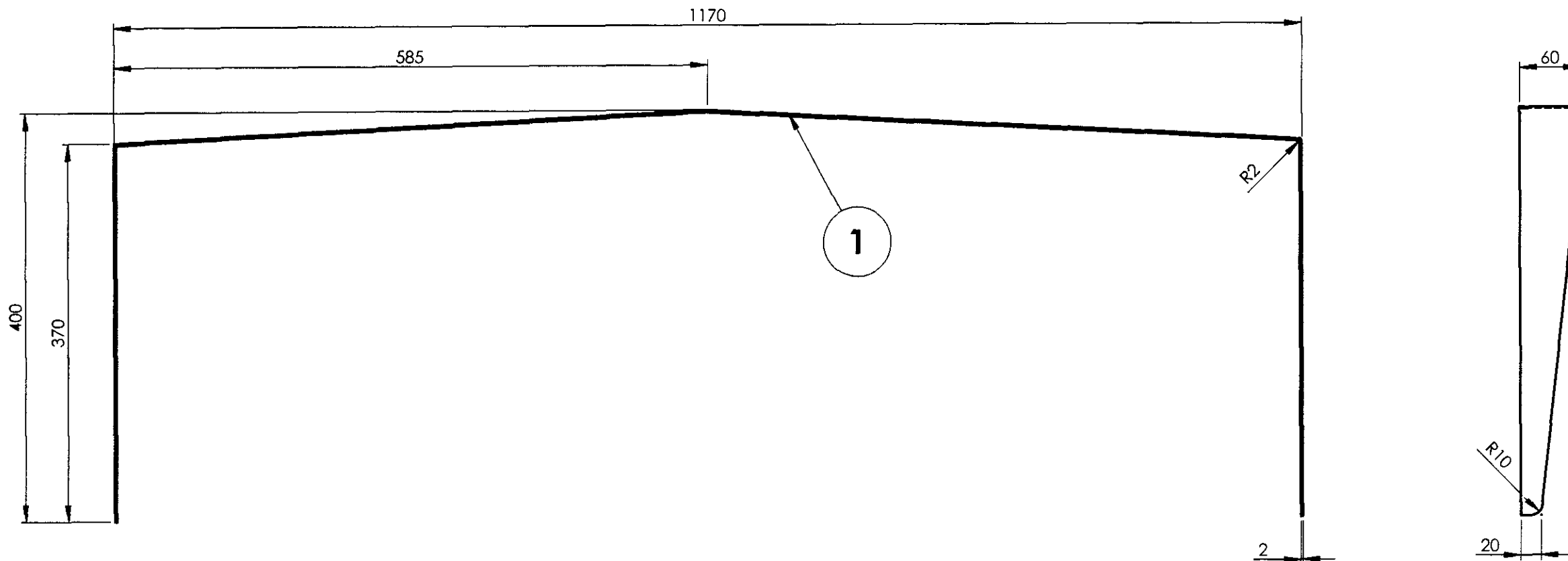


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AAD15901

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

REVISIONS				APPROVED & DATE	
ALT.	ZONE	DESCRIPTION			



1	HOOD FOR ELEC COUPLER	2 x 60 x 1904	1		RDSO SPEC C-K201 X2 Cr Ni 12	1.59	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS

GROUP: 1-5 End Construction		SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:		
HOOD FOR ELEC COUPLER				SCALE	SSE/D	<i>H. Panduranga Rao</i>
				1:5	CHD	
				ALT.	ALTD	
					DRN	H. Irshath Ahamed
INDIAN RAILWAY STANDARDS						
INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1	AAD15901	A3

-	7-6-24	Shc
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

REF.DRG.NO.-

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AAD15904

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

REVISION

ALT.

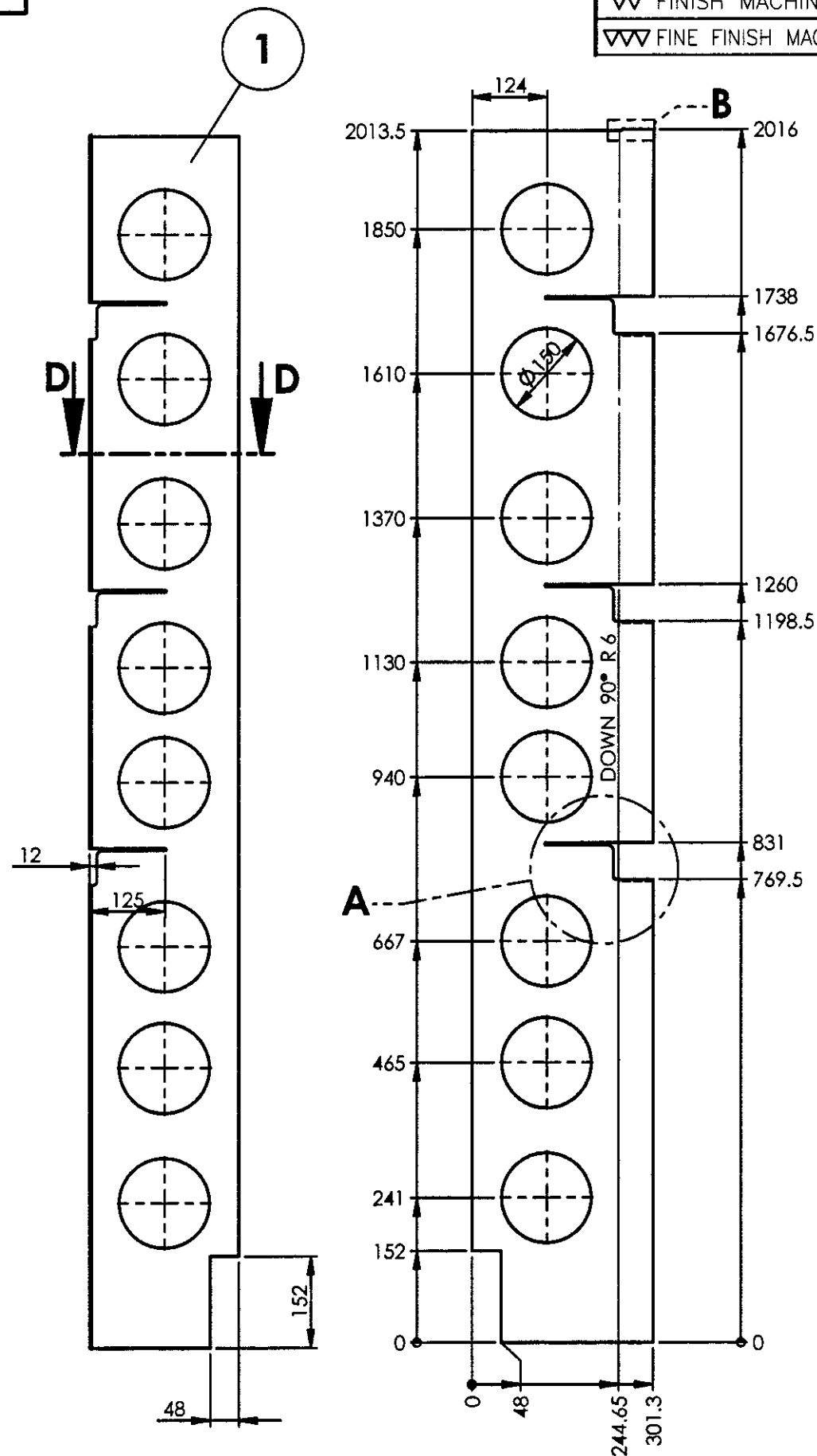
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DESCRIPTION

APPROVED &
DATE

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REF.DRG.NO.



DEVELOPMENT VIEW

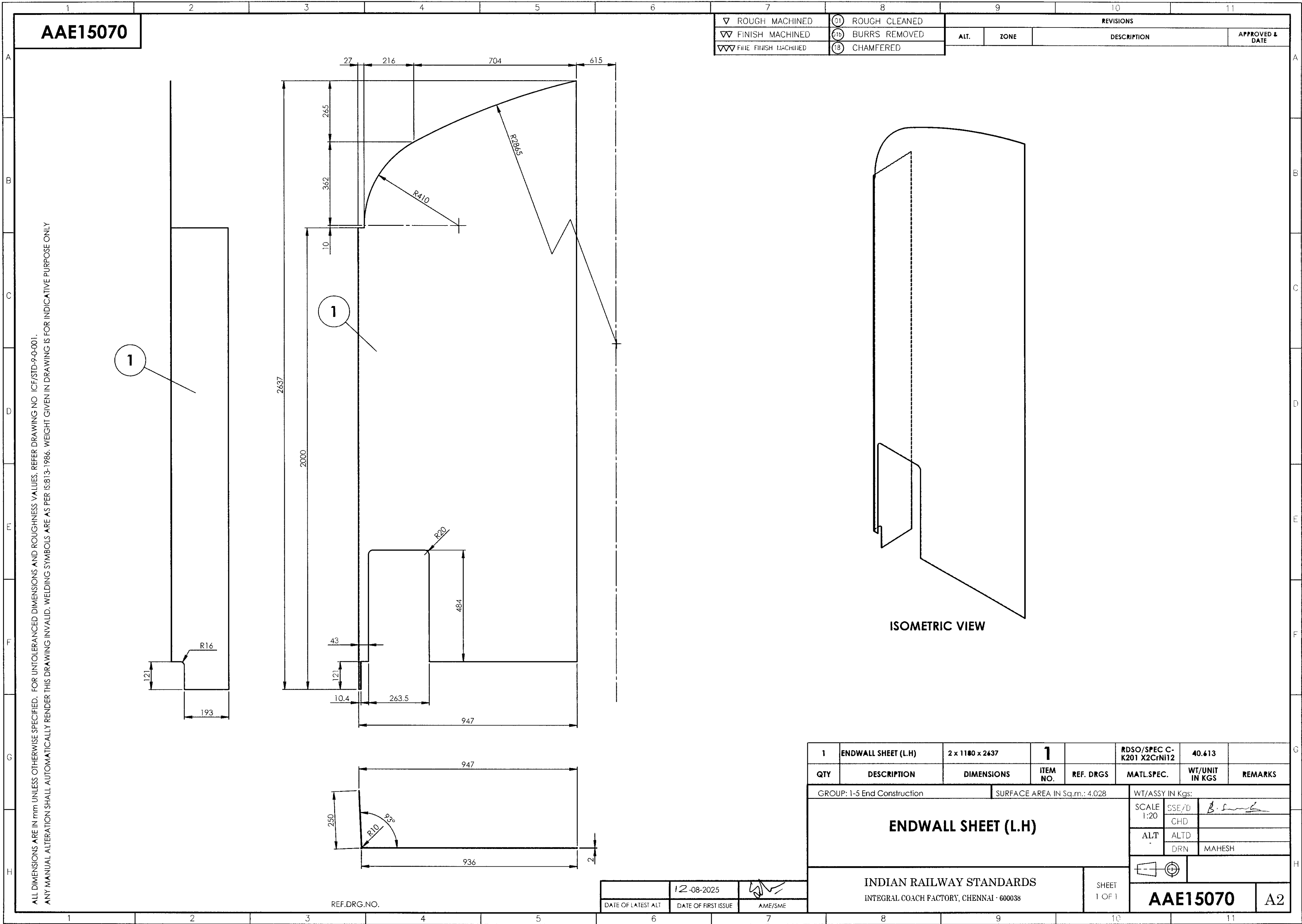
DETAIL A
SCALE 1 : 2.5DETAIL B
SCALE 1 : 2

ISOMETRIC VIEW

SECTION C-C
SCALE 1 : 1SECTION D-D
SCALE 1 : 5

1	RAM PILLAR	3x302x2016	1		RHS/SPEC C-K20 X2CrNi12	10.668	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MTL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction					SURFACE AREA IN Sq.m.:0.919		
RAM PILLAR					WT/ASSY IN Kgs:		
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600036					SCALE	SSE/D	
					1:10	CHD	B SURESH
					ALT.	ALTD	
						DRN	MAHESH
					SHEET 1 OF 1		
					AAD15904		
					A3		

30-07-24		
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME



AAE15071

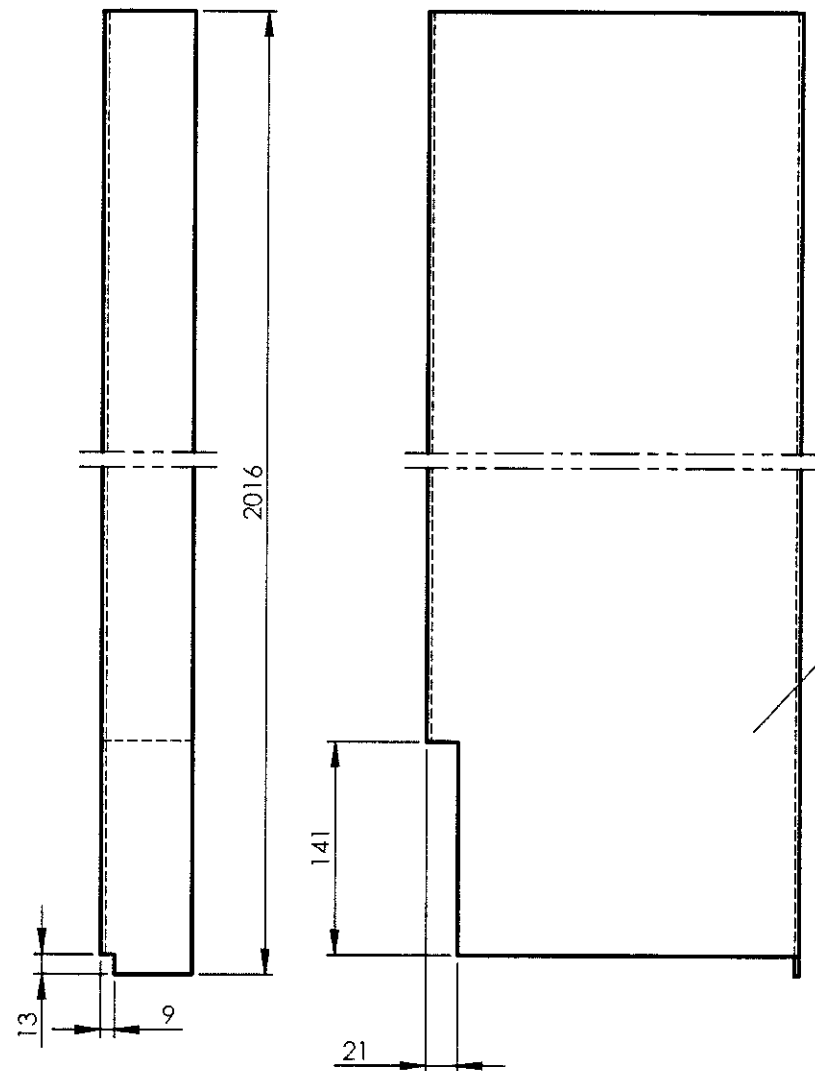
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①B CHAMFERED

REVISIONS

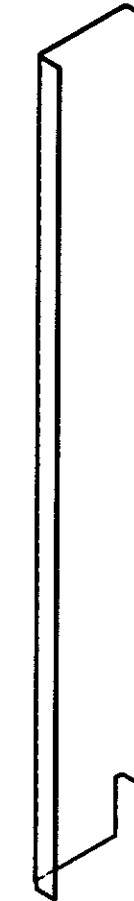
ALT.

ZONE

DESCRIPTION

APPROVED &
DATE

1



ISOMETRIC VIEW

1	PILLAR RH	3 x 356 x 2016	1		RDSO SPEC C-K201 X2 Cr Ni 12	16.86		
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5 End Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:		
PILLAR RH						SCALE	SSE/D	β
						1:5	CHD	
						ALT.	ALTD	
						DRN	Mahesh	
INDIAN RAILWAY STANDARDS						SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038						AAE15071		
						A3		

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REF.DRG.NO.

12-08-2025

DATE OF LATEST ALT.

DATE OF FIRST ISSUE

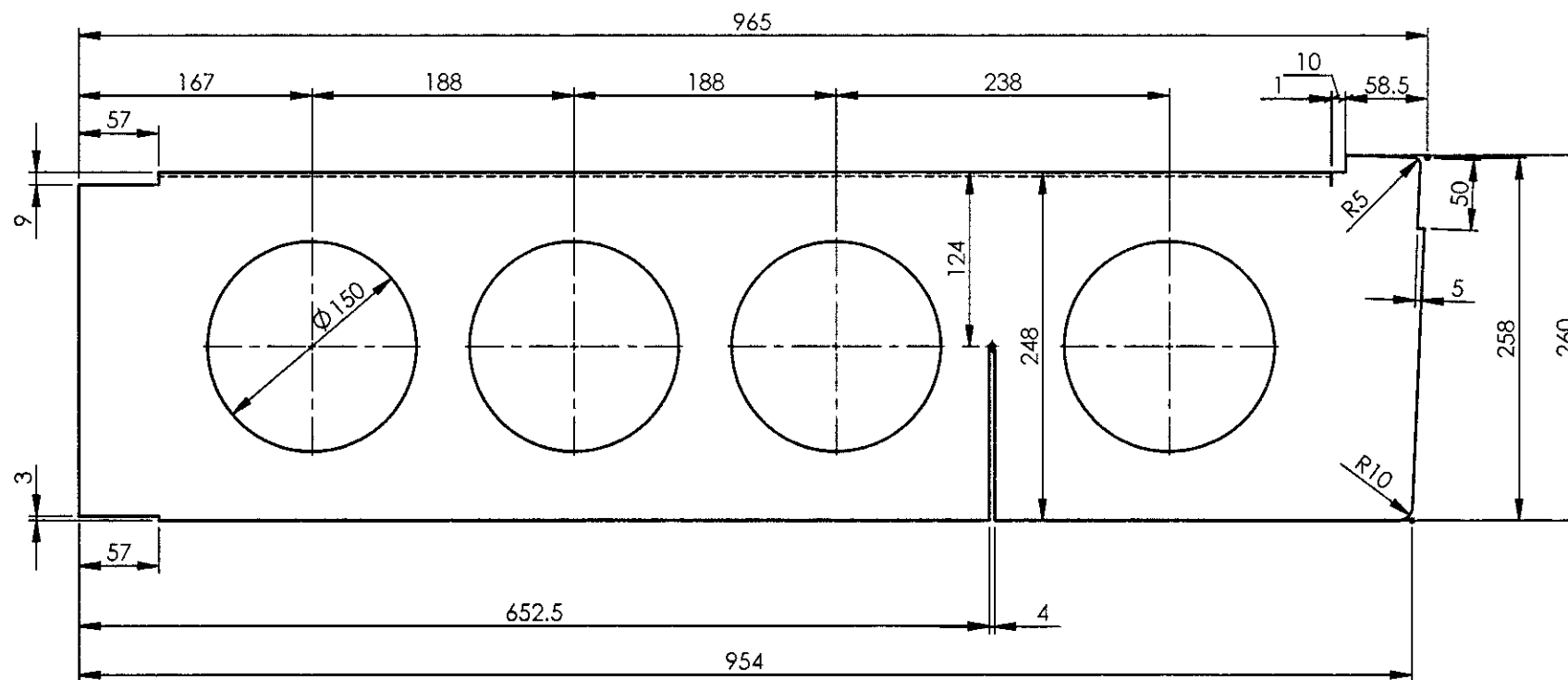
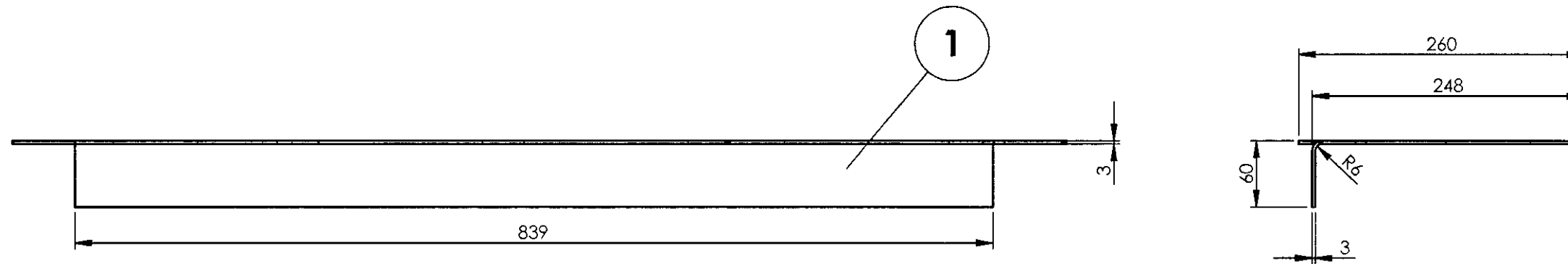
AME/SME

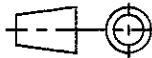
AAE15073

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①c CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE



1	FLANGE	3 x 303 x 965	1		RDSO/SPEC C-K201 X2CrNi12	5.078	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
FLANGE					SCALE	SSE/D	B. Suresh
					1:5	CHD	
					ALT.	ALTD	
						DRN	3D B SURESH 2D MAHESH
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAE15073		A3

AAE15074

▽ ROUGH MACHINED

① ROUGH CLEANED

▽▽ FINISH MACHINED

①b BURRS REMOVED

▽▽▽ FINE FINISH MACHINED

①8 CHAMFERED

REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &
DATE

1

839

260

248

60

R6

3

965

10

1

238

188

188

167

57

9

58.5

50

5

R5

80°

9

124

248

124

248

R10

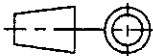
57

3

4

653

954

1	FLANGE	3 x 303 x 965	1		RDSO/SPEC C-K201 X2CrNi12	5.078	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
FLANGE					SCALE	SSE/D	B. Suresh
					1:5	CHD	
					ALT.	ALTD	
						DRN	3D B SURESH 2D MAHESH
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAE15074		A3

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ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.

12-08-2025

DATE OF LATEST ALT.

DATE OF FIRST ISSUE

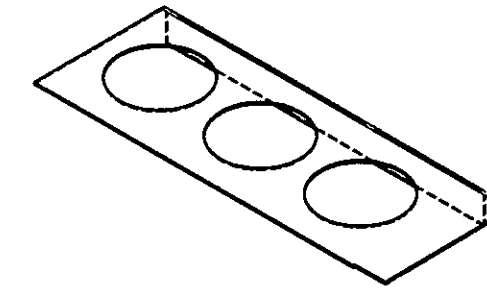
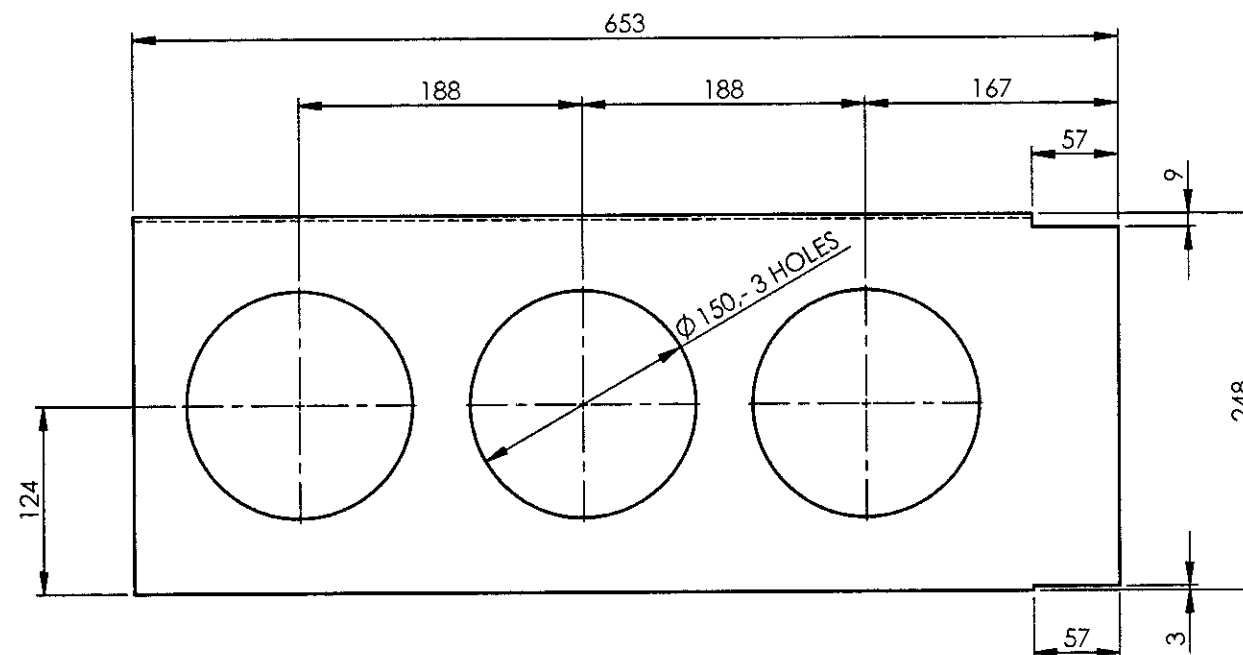
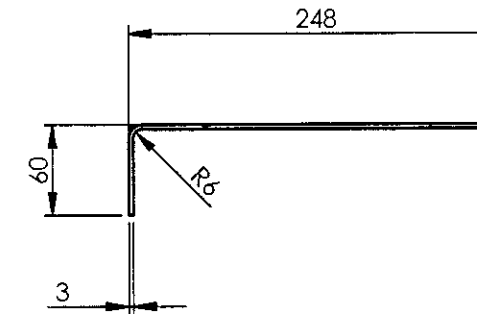
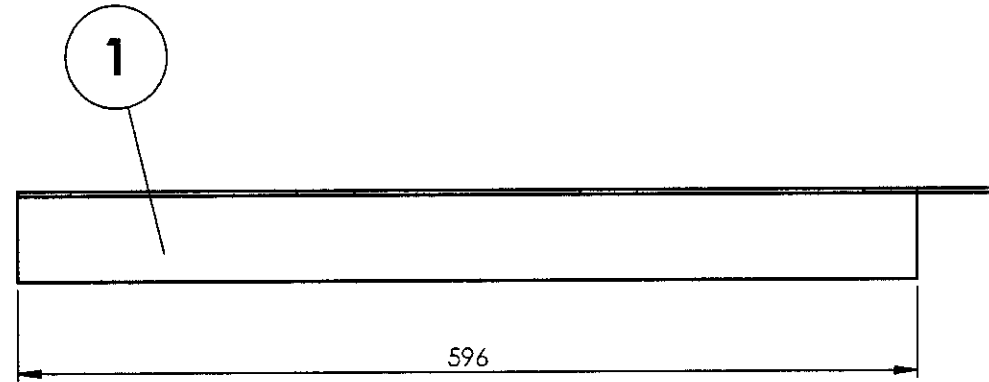
AME/SME

AAE15075

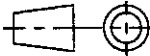
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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ISOMETRIC VIEW

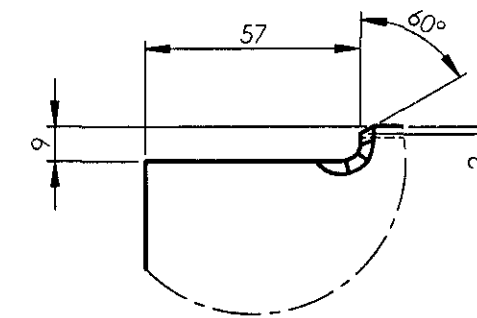
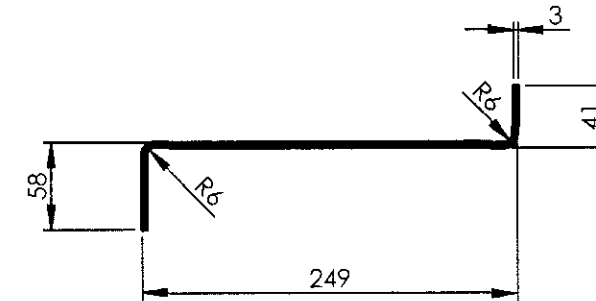
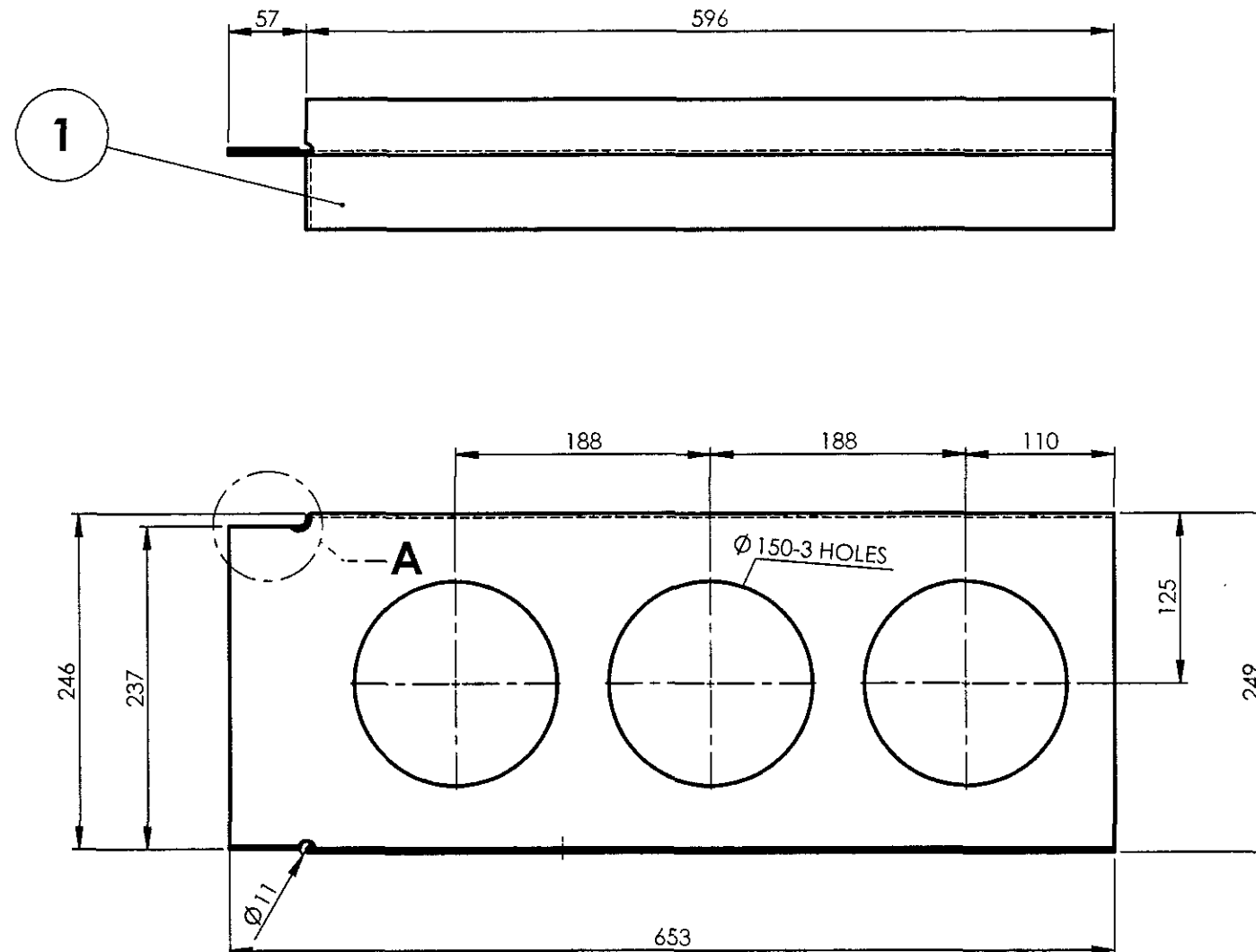
1	FLANGE	3 x 303 x 453	1		RDSO/SPEC C-K201 X2CrNi12	3.376	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
FLANGE					SCALE	SSE/D	B Suresh
					1:5	CHD	
					ALT.	ALTD	
					DRN	3D B.Suresh 2D MAHESH	
							
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1	AAE15075		A3
INTEGRAL COACH FACTORY, CHENNAI - 600038							

AAE15077

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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DETAIL A
SCALE 1 : 2

1	FLANGE RH	3x335x653	1		RDSO SPEC C-K201 X2 Cr Ni 12	3.83	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
FLANGE RH					SCALE 1:5	SSE/D	B. Suresh
					ALT.	CHD	
						ALTD	
						DRN	3D B SURESH 2D MAHESH
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAE15077		A3

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ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER EN ISO 2553.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

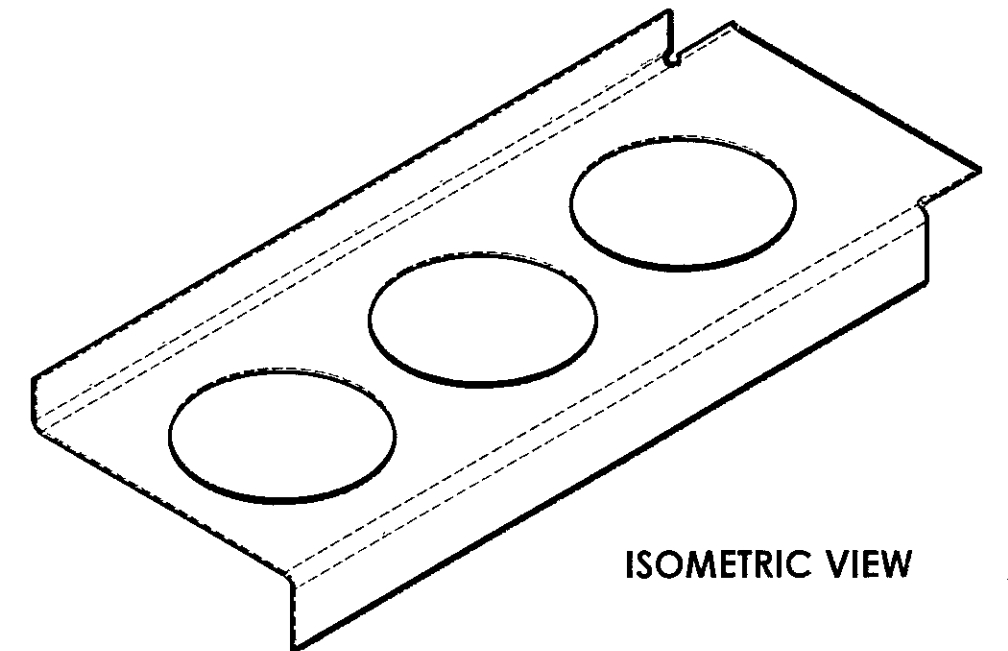
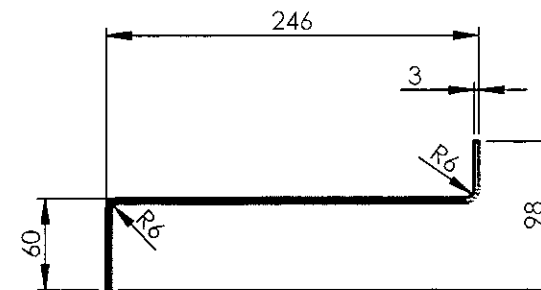
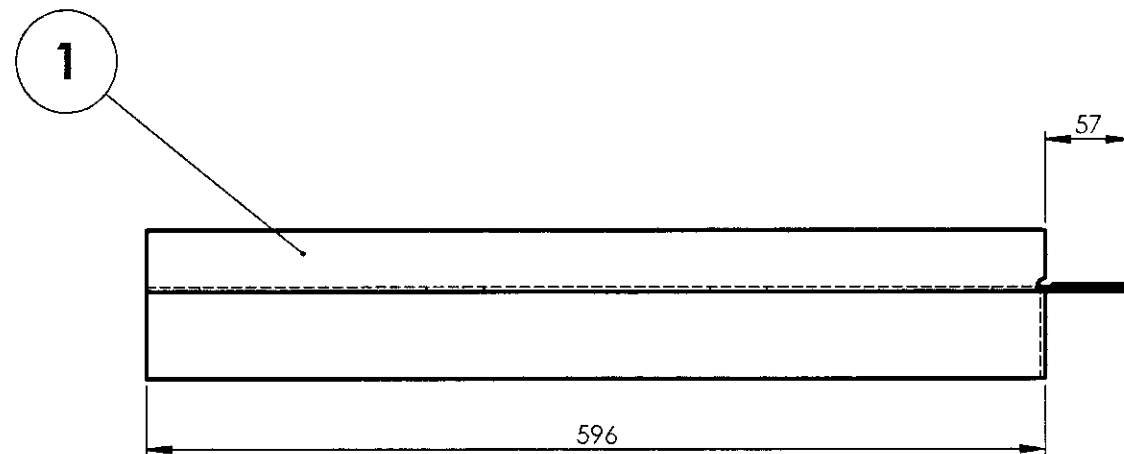
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-	12 -08-2025	AME/SME
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	

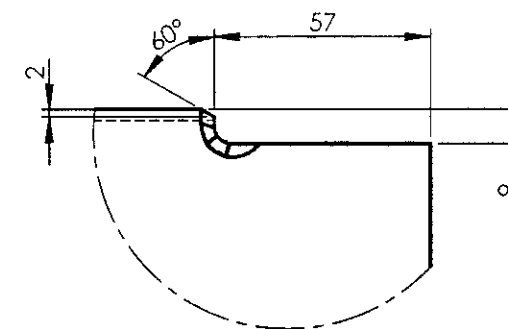
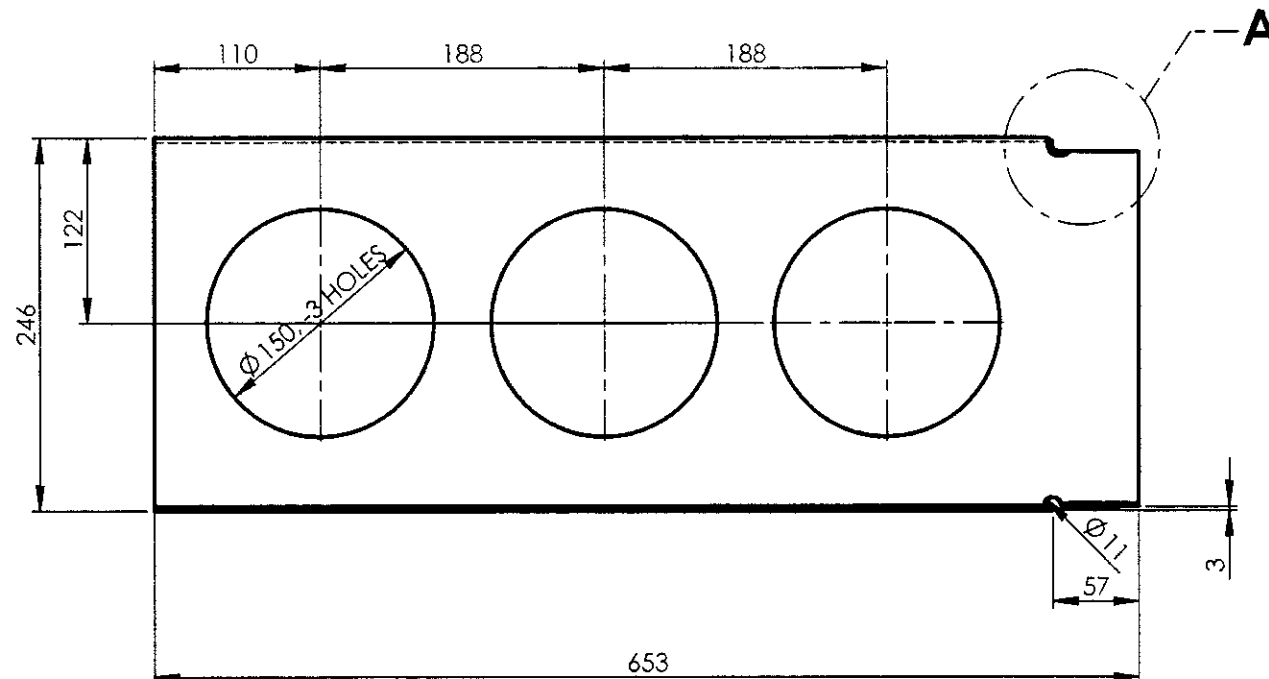
AAE15078

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



ISOMETRIC VIEW

DETAIL A
SCALE 1 : 2

1	FLANGE LH	3x335x453	1		RDSO SPEC C- K201 X2 Cr Ni 12	3.83	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
FLANGE LH					SCALE 1:5	SSE/D CHD	B. Suresh
					ALT.	ALTD	
						DRN	3D B.Suresh 2D MAHESH
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		AAE15078	
INTEGRAL COACH FACTORY CHENNAI 600038						A3	

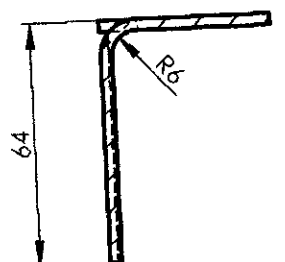
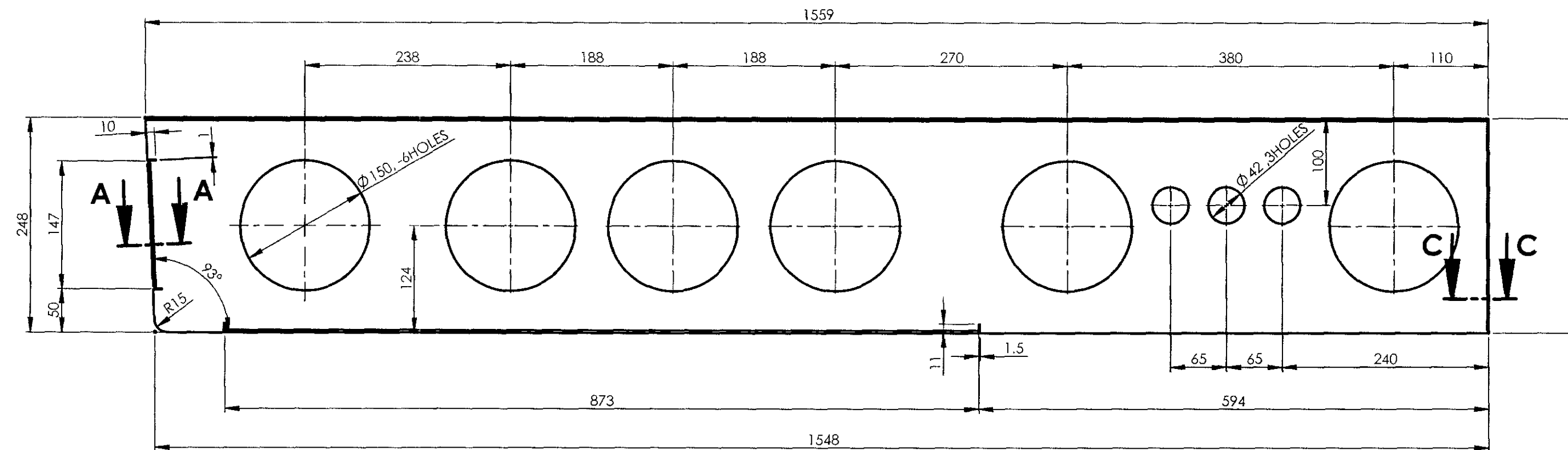
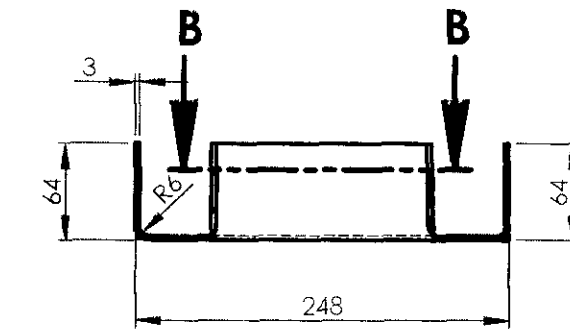
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
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REF.DRG.NO.

-	12 -08-25	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

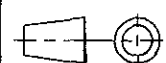
AAE15080		▽ ROUGH MACHINED ▽▽ FINISH MACHINED ▽▽▽ FINE FINISH MACHINED		①1 ROUGH CLEANED ①10 BURRS REMOVED ①8 CHAMFERED		REVISIONS		ALT.		ZONE		DESCRIPTION		APPROVED & DATE																																																										
<p>SECTION A-A SCALE 1 : 2</p> <p>SECTION B-B SCALE 1 : 2</p> <p>SECTION C-C SCALE 2 : 1</p>																																																																								
<table border="1"><tr><td>1</td><td>FLANGE</td><td>3 x 362 x 1414</td><td>1</td><td></td><td>RDSO/SPEC C-K201 X2CrNi12</td><td>10.148</td><td></td></tr><tr><td>QTY</td><td>DESCRIPTION</td><td>DIMENSIONS</td><td>ITEM NO.</td><td>REF. DRGS</td><td>MATL.SPEC.</td><td>WT/UNIT IN KGS</td><td>REMARKS</td></tr><tr><td colspan="5">GROUP: 1-5 End Construction</td><td colspan="2">SURFACE AREA IN Sq.m.: 0.869</td><td>WT/ASSY IN Kgs:</td></tr><tr><td colspan="5" rowspan="4">FLANGE</td><td>SCALE 1:5</td><td>SSE/D</td><td>B. R. L.</td></tr><tr><td>CHD</td><td></td><td></td></tr><tr><td>ALT</td><td>ALTD</td><td></td></tr><tr><td>DRN</td><td>Maresh</td><td></td></tr><tr><td colspan="5">INDIAN RAILWAY STANDARDS</td><td colspan="2">SHEET 1 OF 1</td><td></td></tr><tr><td colspan="5">INTEGRAL COACH FACTORY, CHENNAI - 600038</td><td colspan="2">AAE15080</td><td>A2</td></tr></table>																1	FLANGE	3 x 362 x 1414	1		RDSO/SPEC C-K201 X2CrNi12	10.148		QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-5 End Construction					SURFACE AREA IN Sq.m.: 0.869		WT/ASSY IN Kgs:	FLANGE					SCALE 1:5	SSE/D	B. R. L.	CHD			ALT	ALTD		DRN	Maresh		INDIAN RAILWAY STANDARDS					SHEET 1 OF 1			INTEGRAL COACH FACTORY, CHENNAI - 600038					AAE15080		A2
1	FLANGE	3 x 362 x 1414	1		RDSO/SPEC C-K201 X2CrNi12	10.148																																																																		
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS																																																																	
GROUP: 1-5 End Construction					SURFACE AREA IN Sq.m.: 0.869		WT/ASSY IN Kgs:																																																																	
FLANGE					SCALE 1:5	SSE/D	B. R. L.																																																																	
					CHD																																																																			
					ALT	ALTD																																																																		
					DRN	Maresh																																																																		
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1																																																																			
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAE15080		A2																																																																	

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



SECTION C-C

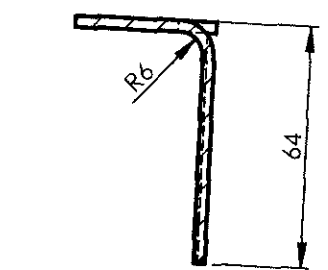
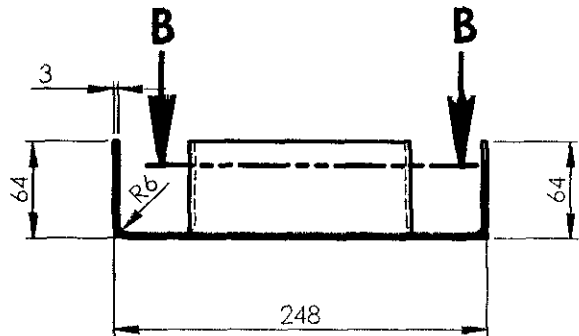
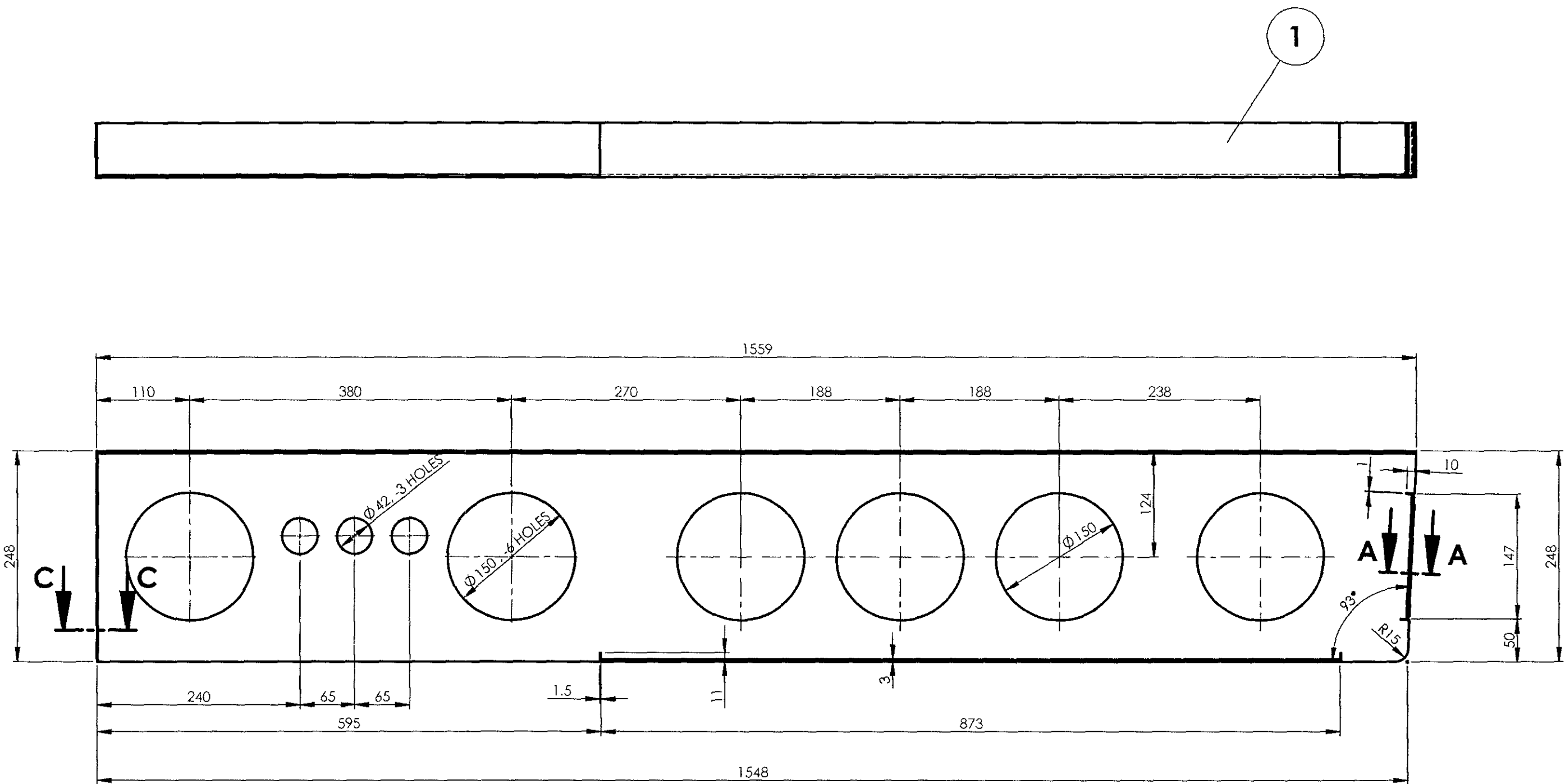
SECTION C-C
SCALE 2 : 1

1	FLANGE	3 x 342 x 1414	1		RDSO/SPEC C- K201 X2CrNi12	10.168	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: I-5 End Construction		SURFACE AREA IN Sq.m.: 0.869			WT/ASSY IN Kgs:		
FLANGE					SCALE 1:5	SSE/D	S. Ramesh
						CHD	
					ALT	ALTD	
					DRN	Mahesh	
							
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1	AAE15080		A2
INTEGRAL COACH FACTORY, CHENNAI - 600038							

AAE15081

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

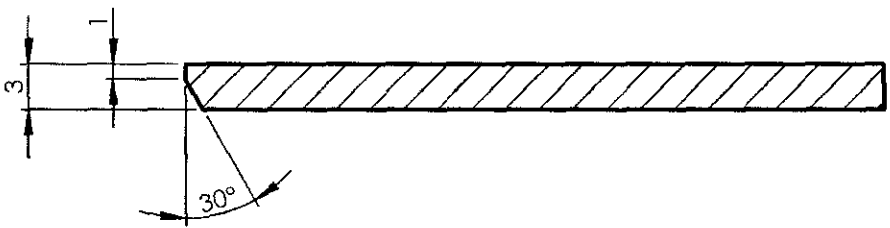
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



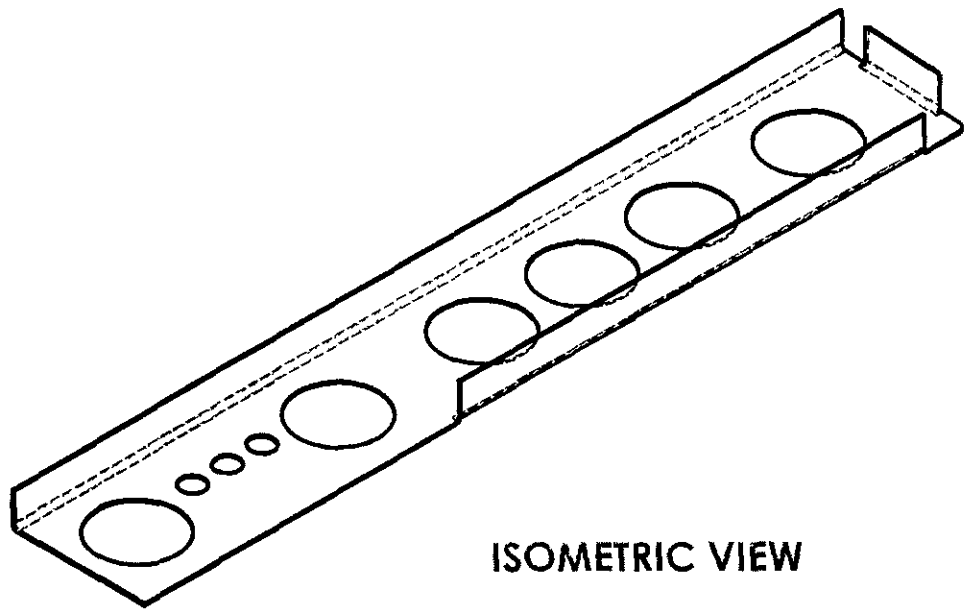
SECTION A-A
SCALE 1 : 2



SECTION B-B
SCALE 1 : 2



SECTION C-C
SCALE 2 : 1



ISOMETRIC VIEW

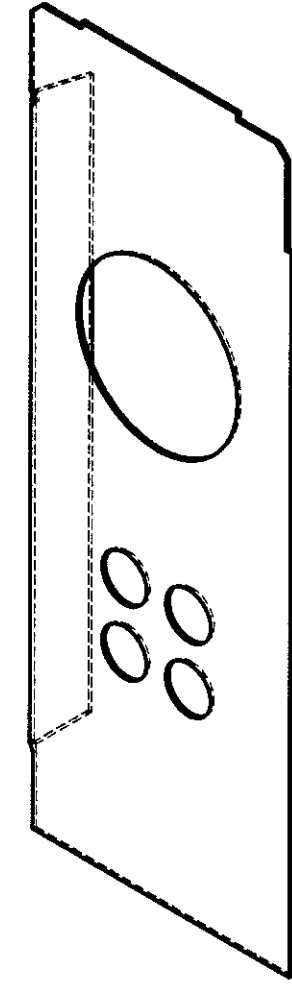
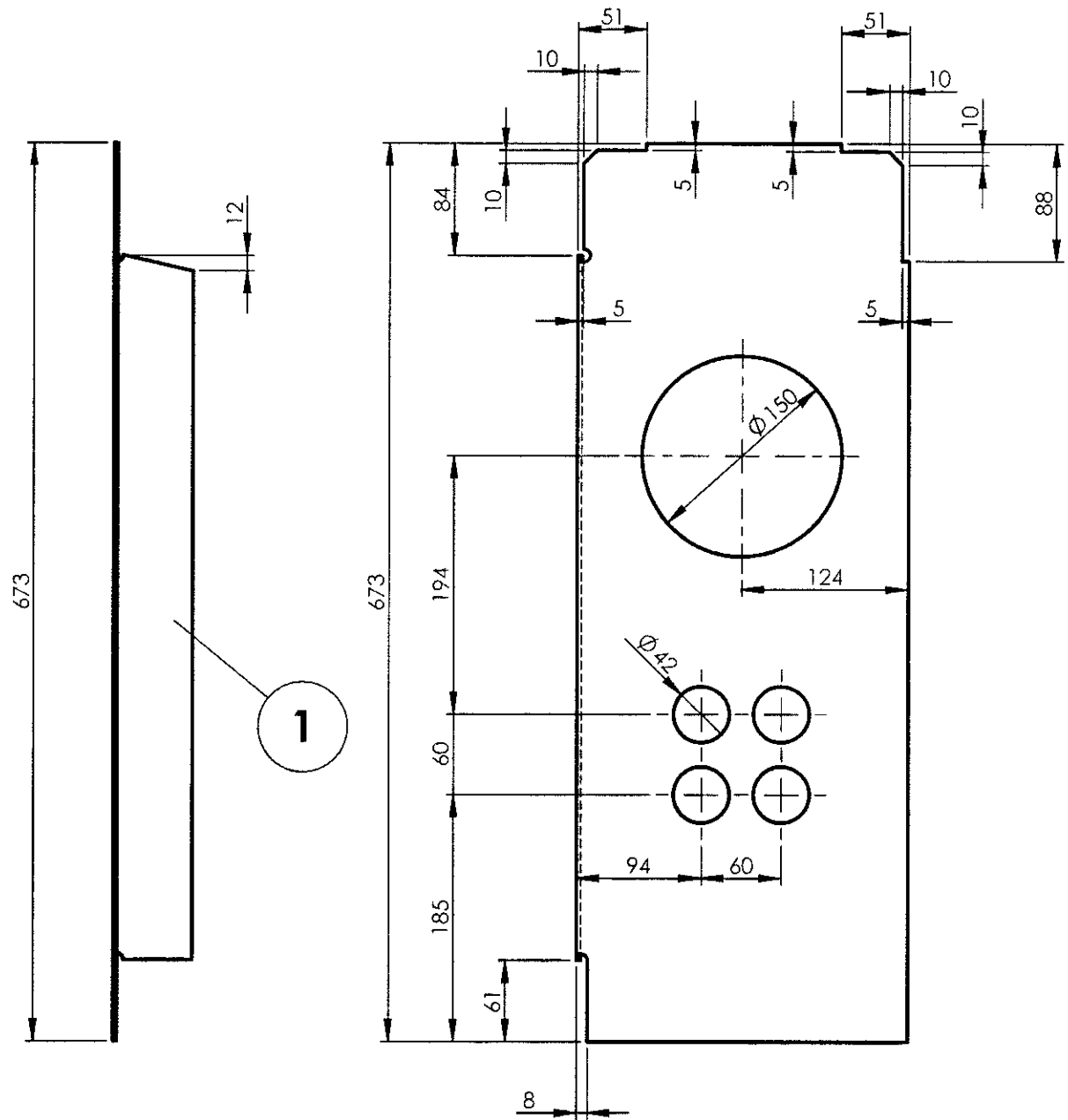
1	FLANGE	3 x 342 x 1414	1		RDSO/SPEC C-K201 X2CrNi12	10.148	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
FLANGE				SCALE 1:5		SSE/D	B. Suresh
				ALT		CHD	
						ALTD	
						DRN	B.Suresh
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		AAE15081	
INTEGRAL COACH FACTORY, CHENNAI - 600038						A2	

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AAE15082

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

REVISIONS				APPROVED & DATE	
ALT.	ZONE	DESCRIPTION			



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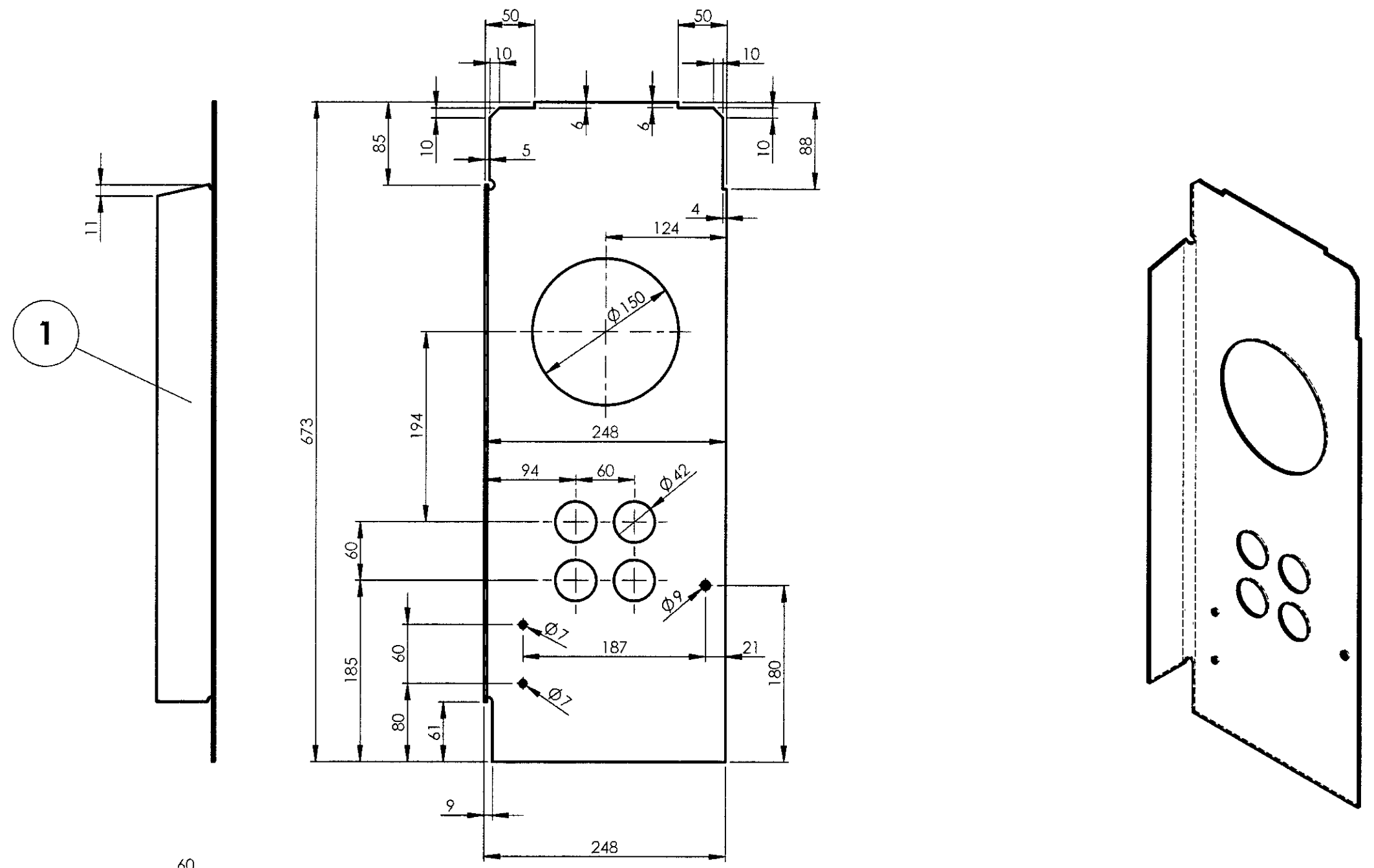
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	12-08-2025	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

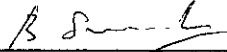
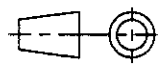
1	PILLAR	3 x 302 x 673	1		RDSO/SPEC C-K201 X2CrNi12	4.078	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction		SURFACE AREA IN Sq.m.:0.349			WT/ASSY IN Kgs:		
PILLAR					SCALE	SSE/D	B. Suresh
					1:5	CHD	
					ALT.	ALTD	
						DRN	3D B.Suresh 2D Mahesh
					INDIAN RAILWAY STANDARDS		SHEET 1 OF 1
INTEGRAL COACH FACTORY, CHENNAI - 600038							

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



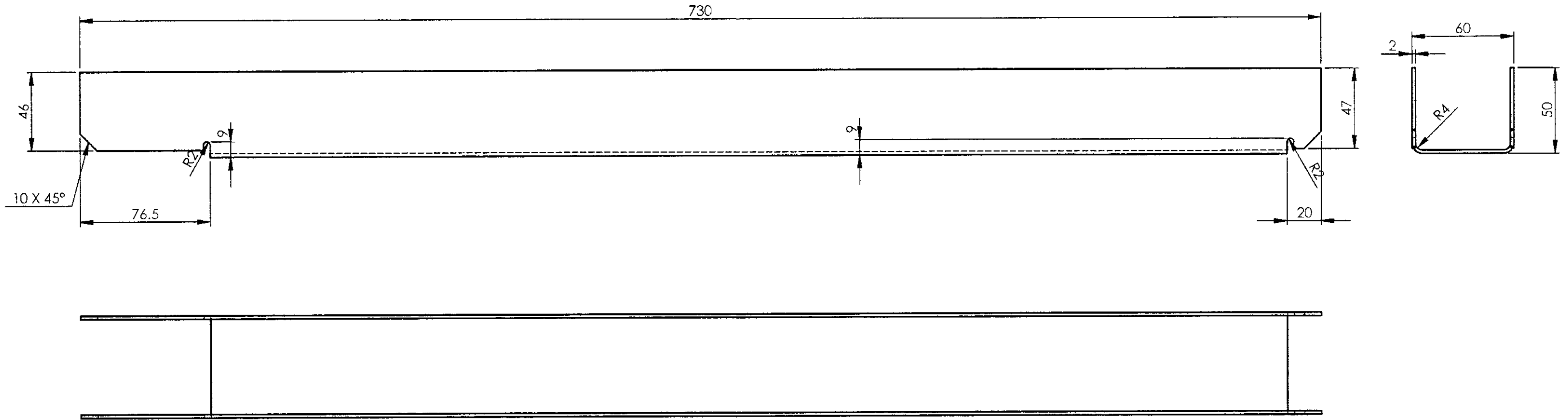
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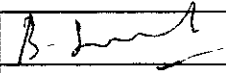

1	PILLAR	3 x 302 x 473	1		RDSO/SPEC C-K201 X2CrNi12	4.060	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction		SURFACE AREA IN Sq.m.:0.347			WT/ASSY IN Kgs:		
PILLAR					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	
						DRN	3D B.SURESH 2D Mahesh
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY CHENNAI - 600038				SHEET 1 OF 1			
					AAE15083		A3

AAE15084

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①① BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①①① CHAMFERED

REVISIONS				APPROVED & DATE	
ALT.	ZONE	DESCRIPTION			




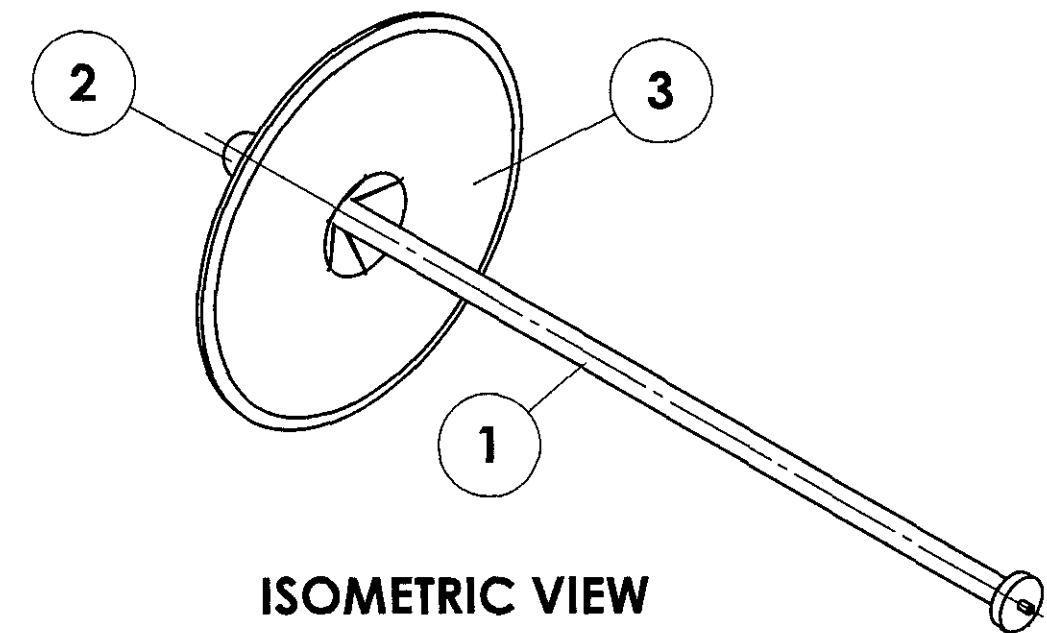
1	REINFORCEMENT	2x152x730	1		RDSO/SPEC C-K201 X2CrNi12	1.675		
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.213			WT/ASSY IN Kgs:			
REINFORCEMENT					SCALE	SSE/D		
					1:5	CHD		
					ALT.	ALTD		
						DRN		3D ■ Suresh 2D Mahesh
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAE15084			
							A3	

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49516008

▽ ROUGH MACHINED	01 ROUGH CLEANED
▽▽ FINISH MACHINED	01b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	18 CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		NOTE REVISED. VIEWS UPDATED AS PER DETAIL.	



ISOMETRIC VIEW

NOTE:

- ITEM-1 TO BE RESISTANCE WELDED AS SHOWN IN THE RESPECTIVE DRAWING AND ITEMS-2&3 TO BE SUPPLIED IN LOOSE (TO BE ASSEMBLED IN FURNISHING AFTER INSERTING THERMAL INSULATION).
- 5% EXCESS QTY OF ITEMS-2&3 TO BE SUPPLIED AGAINST THE QTY CALLED FOR IN THE RESPECTIVE ASSEMBLY DRAWINGS.

1	SERRATED SPRING WASHER		3	AAA16495		0.003	
1	CAP		2	AAA16494		0.000	
1	WELDING PIN		1	AAA16493		0.002	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS

GROUP: 1-6 ROOF CONSTRUCTION

SURFACE AREA IN Sq.m.:0.002

WT/ASSY IN Kgs:

WELDING PIN ASSEMBLY

SCALE 1:1	SSE/D CHD	
ALT. a	ALTD DRN	A.Palanichamy 3D:A.Palanichamy 2D:P.Murugan

INDIAN RAILWAY STANDARDS

INTEGRAL COACH FACTORY, CHENNAI - 600038

SHEET 1 OF 1

LWGSCWAC2

49516008

A3

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER EN ISO 2553. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.mi005176

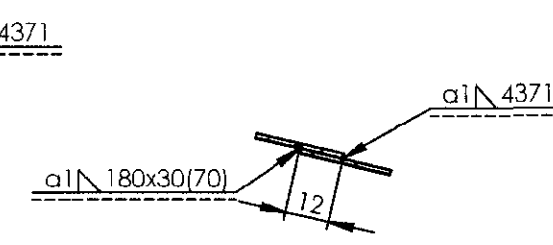
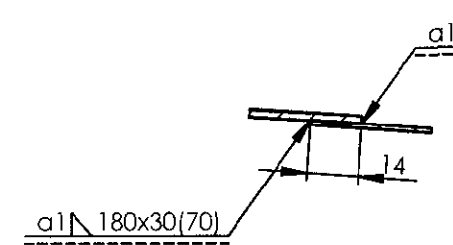
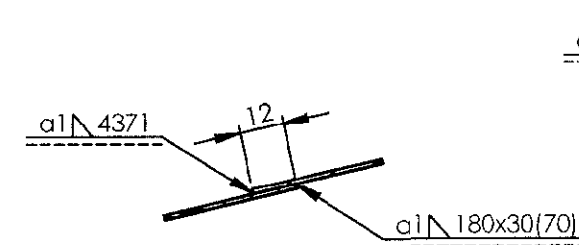
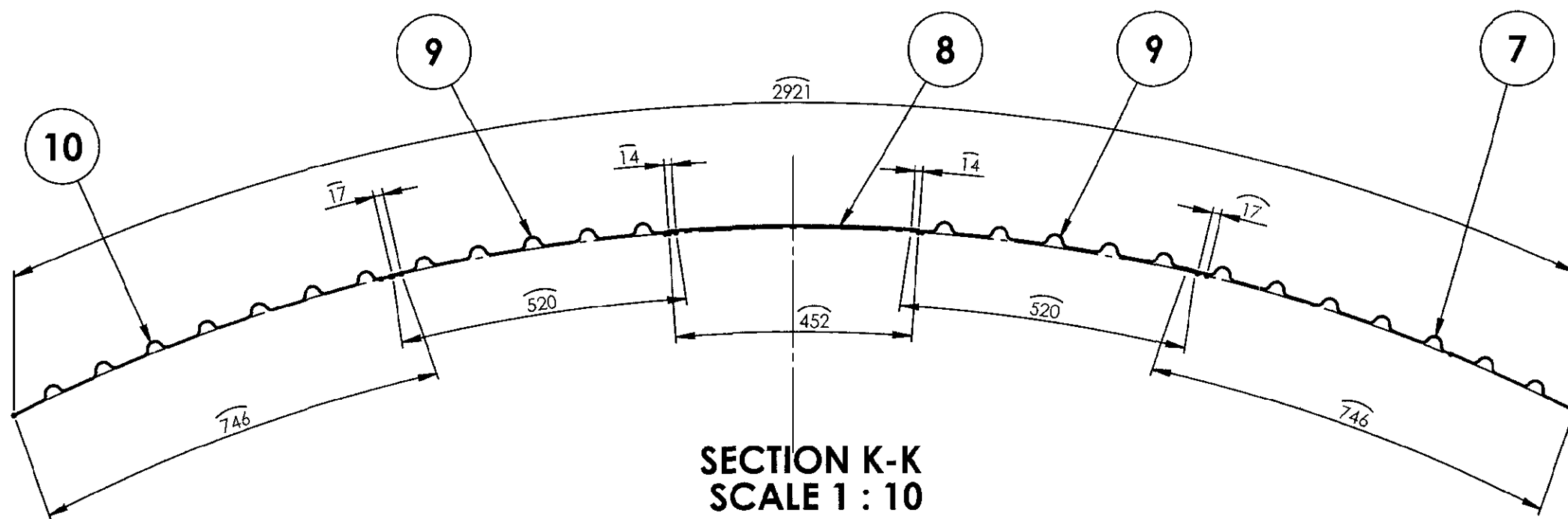
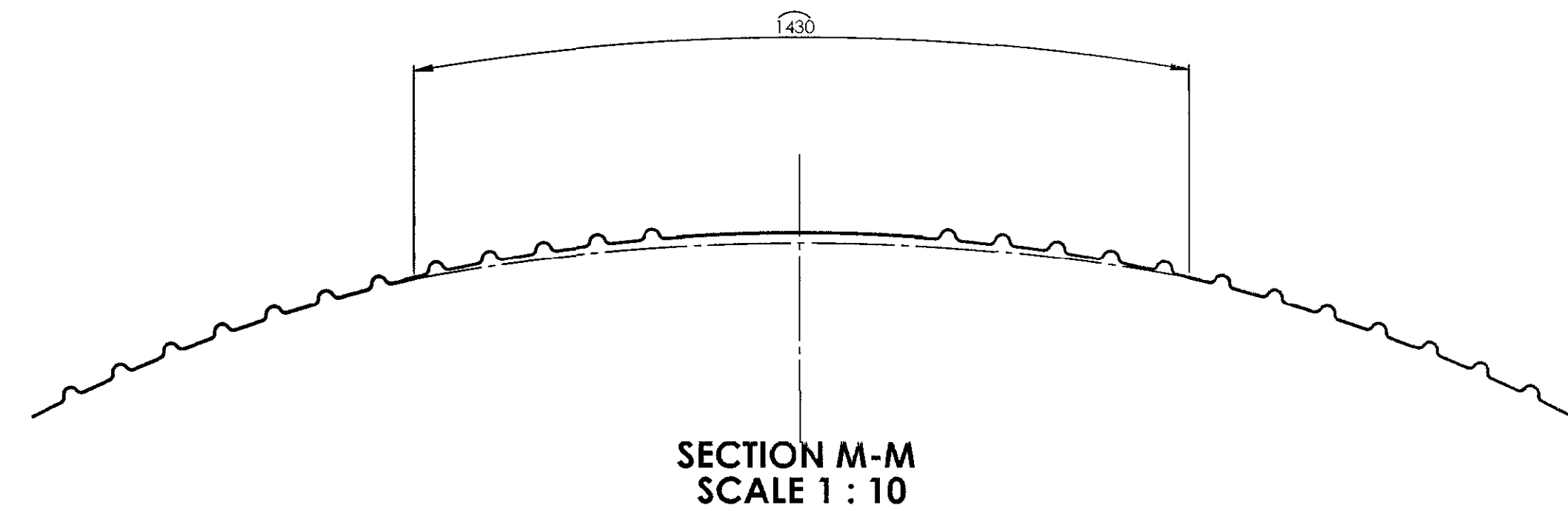
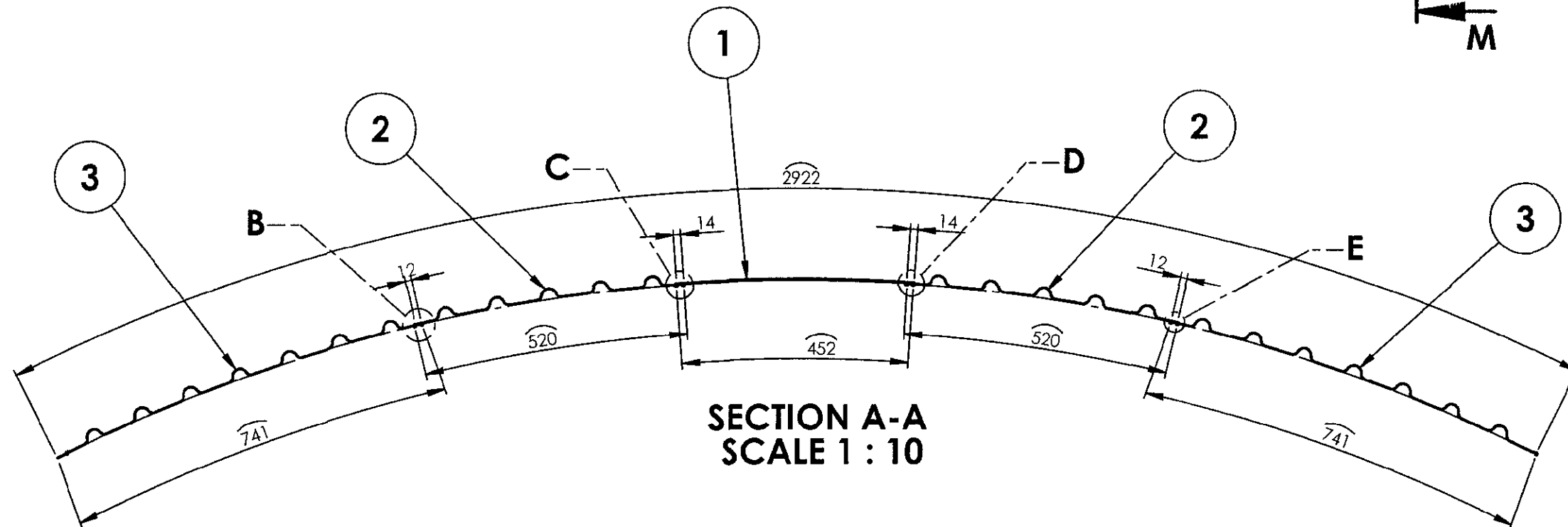
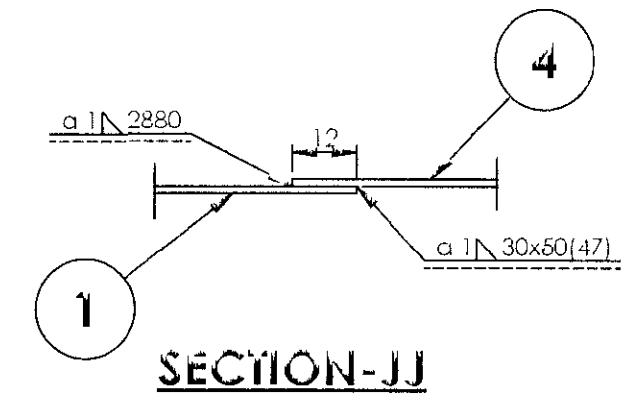
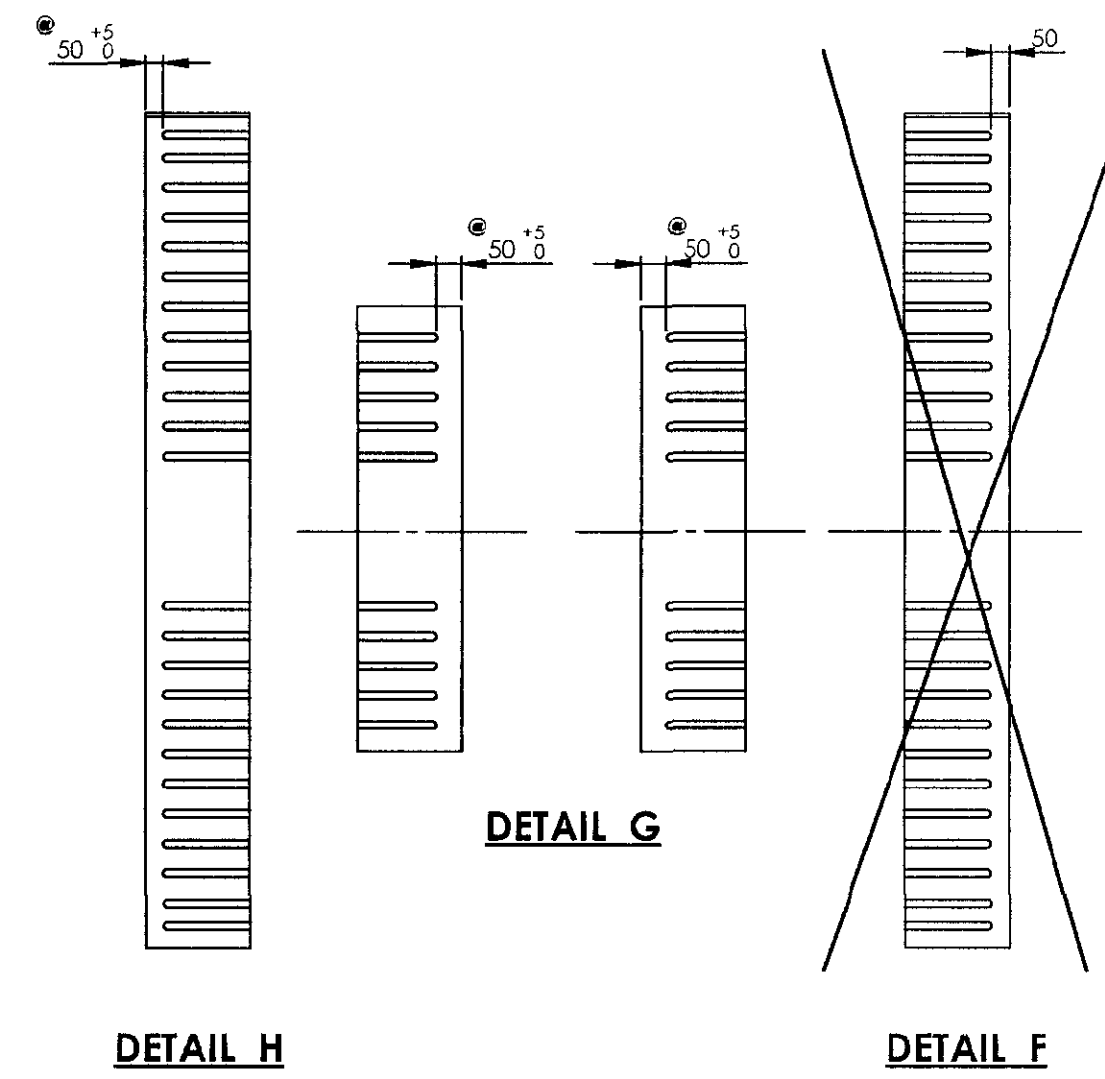
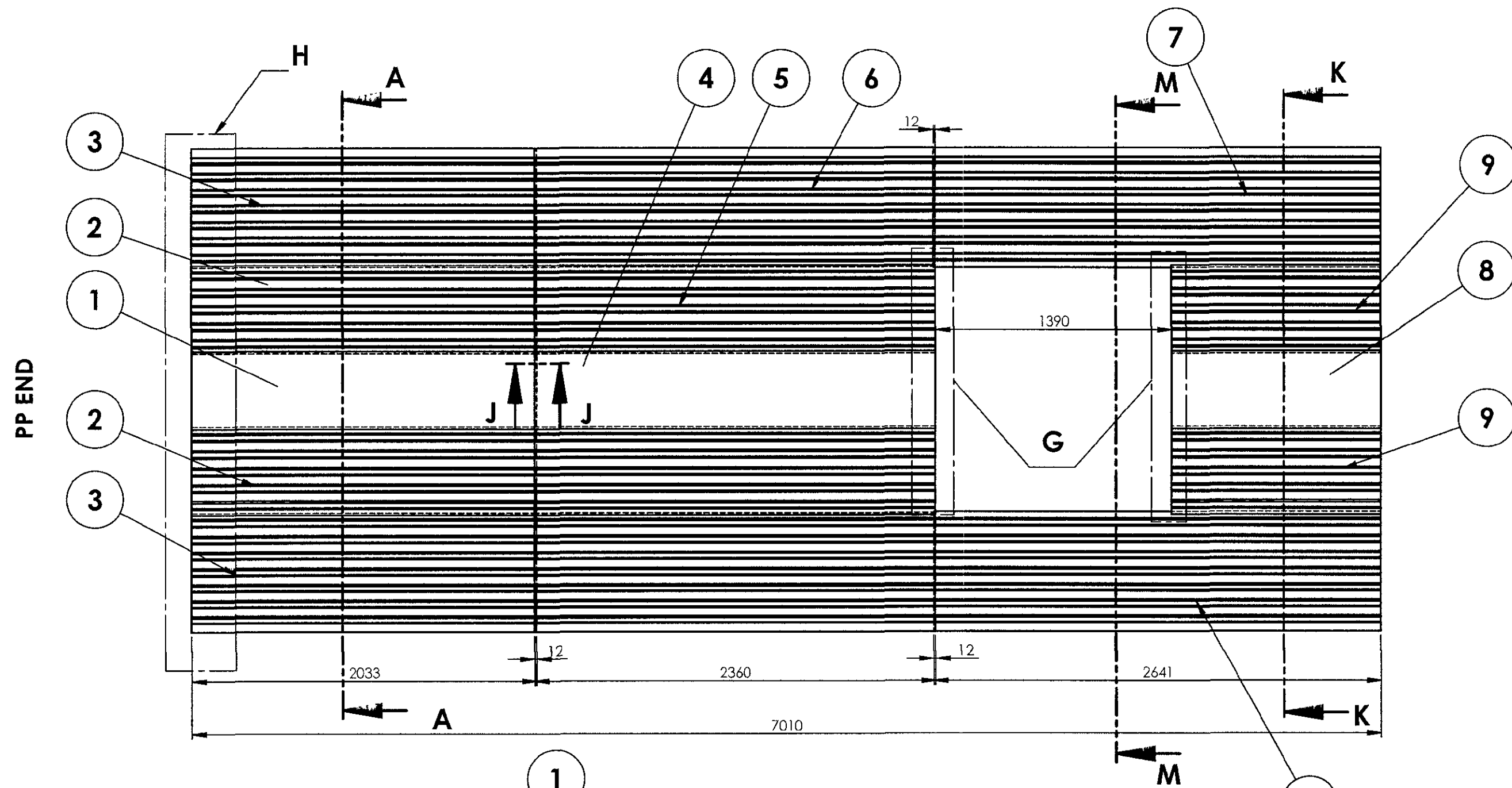
06-02-2024	19-07-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

53816003

▽ ROUGH MACHINED
▽▽ FINISH MACHINED
▽▽▽ FINE FINISH MACHINED

(1) ROUGH CLEANED
(2) BURRS REMOVED
(3) CHAMFERED

REVISIONS				
ALT.	ZONE	DESCRIPTION		APPROVED & DATE
a		DIMENSIONS 2023 & 7000 ALTERED TO 2033 & 7010 RESPECTIVELY		-Sd-
b		DETAIL F DELETED. VIEWS UPDATED AS PER CHANGE IN DESIGN OF ITEMS 2, 3, 5 & 7 & 10. DETAIL C, G, H & NOTES REVISED.		-Sd-
c		NOTE: F REVISED.		

**NOTE:**

1. STAINLESS STEEL ELECTRODE OF SAME COMPOSITION AS PER TABLE-3 OF RDSO/SPEC C-K201 SHALL BE USED FOR WELDING.
2. ALL WELDINGS SHALL BE TIG WELDING UNLESS OTHERWISE SPECIFIED.
3. ALL WELD SPATTERS SHALL BE GROUND.
4. ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
5. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
6. ALL WELD PERFORMANCE CLASS SHALL BE **CP C2** UNLESS OTHERWISE SPECIFIED.
7. FOR WELD TESTING PREFERENCES REFER DRG. No. ICF/STD-9-0-998.
8. FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.
9. NIBBLER CUTTING TO 80mm, FLATTENING TO 50mm AND LEAK PROOF WELDING SHALL BE DONE ON ROOF SHEET CORRUGATIONS AT BOTH ENDS OF ROOF SHEET ASSEMBLY AS PER THE DRAWING. AFTER COMPLETING THESE OPERATIONS THE FINAL ROOF SHEET ASSEMBLY SHALL CONFORM TO THE IMAGE "ANNEXURE-1 TO DRG 58214002.PDF".

1	ROOF SHEET PART		10	AAB16311		22.967	
2	ROOF SHEET PART		9	AAB16119		7.531	
1	ROOF SHEET PART		8	AAB16132		8.963	
1	ROOF SHEET PART		7	AAB16128		22.967	
2	ROOF SHEET PART		6	AAB16136		20.405	
2	ROOF SHEET PART		5	AAB16127		14.344	
1	ROOF SHEET PART		4	AAB16131		17.073	
2	ROOF SHEET PART		3	AAB16124		17.578	
2	ROOF SHEET PART		2	AAB16125		12.356	
1	ROOF SHEET PART		1	AAB16130		14.707	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS

GROUP: 1-6 ROOF		SURFACE AREA IN Sq.m.: 43.278		WT/ASSY IN Kgs:	
ROOF SHEET FOR POWER CAR		SCALE 1:50	SSE: D		
		ALT. c	ALTD		
		D/RN	AMAL GEORGE		
			S. Bala V. Subramani		
INDIAN RAILWAY STANDARDS		SHEET 1 OF 1		LWLRRM	
INTEGRAL COACH FACTORY, CHENNAI - 600038		53816003		A1	

2x -07-2025	08-03-2016	
DATE OF LATEST ALT	DATE OF FIRST ISSUE	AME/SME

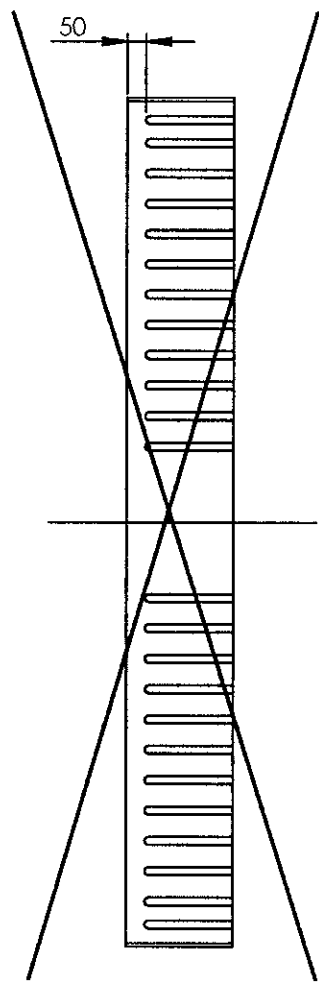
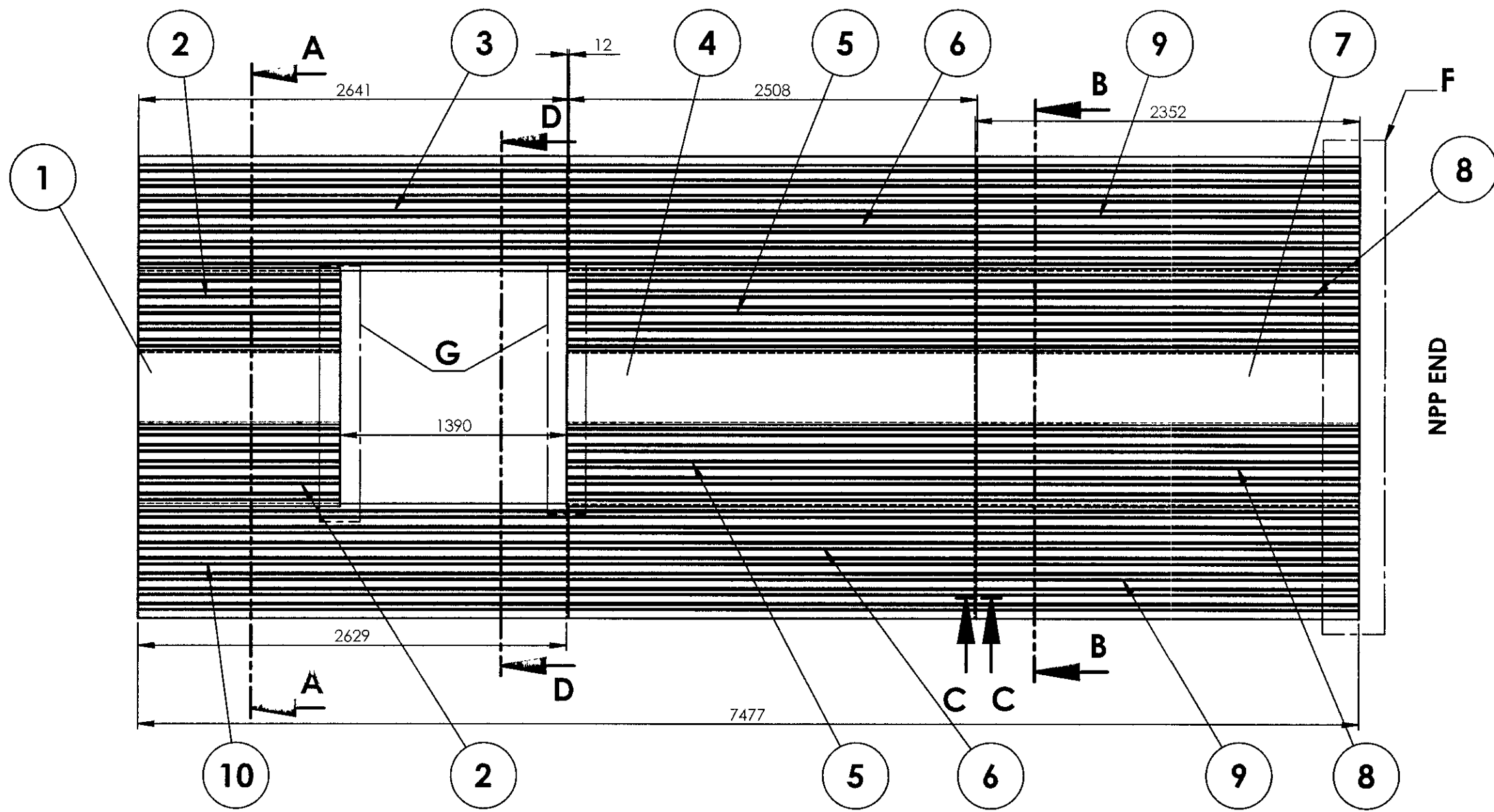
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53816006

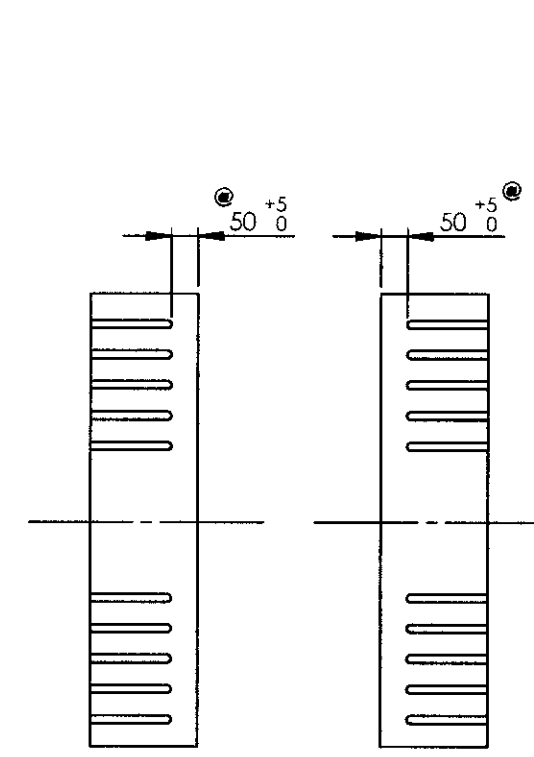
▽ ROUGH MACHINED
▽ FINISH MACHINED
▽▽ FINE FINISH MACHINED

① ROUGH CLEANED
② BURRS REMOVED
③ CHAMFERED

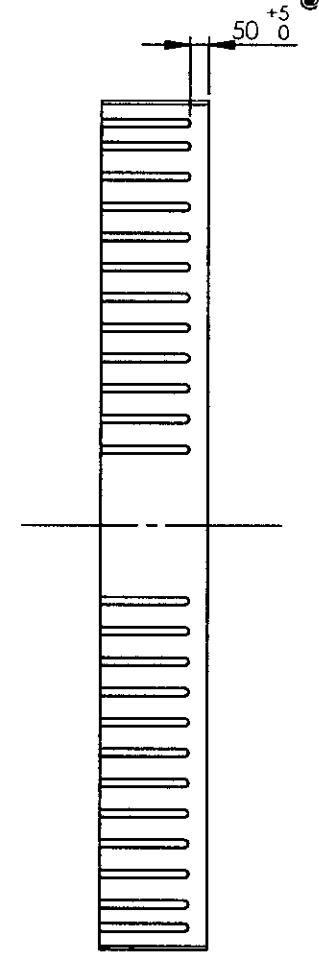
REVISIONS				APPROVED & DATE
ALT.	ZONE	DESCRIPTION		-Sd-
a		DETAIL-H DELETED. VIEWS UPDATED AS PER CHANGE IN DESIGN OF ITEMS 2,3,4,5,6,7,8,9,11. DETAIL-F, G & NOTES REVISED.		
b		ITEM-11 RENUMBERED AS ITEM-10.		
c		NOTE 9 REVISED.		



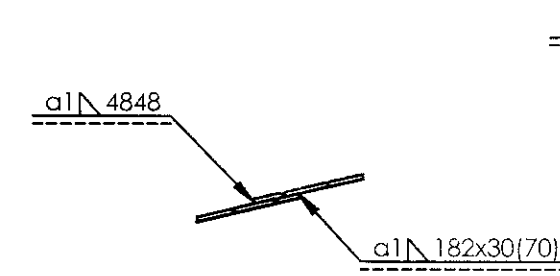
DETAIL - H



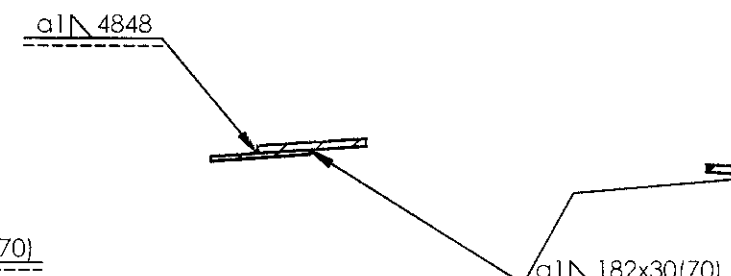
DETAIL G



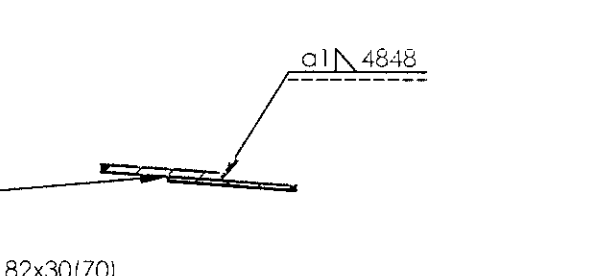
DETAIL - F



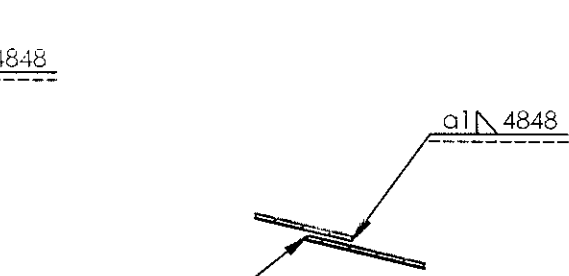
DETAIL X
SCALE 1 : 2



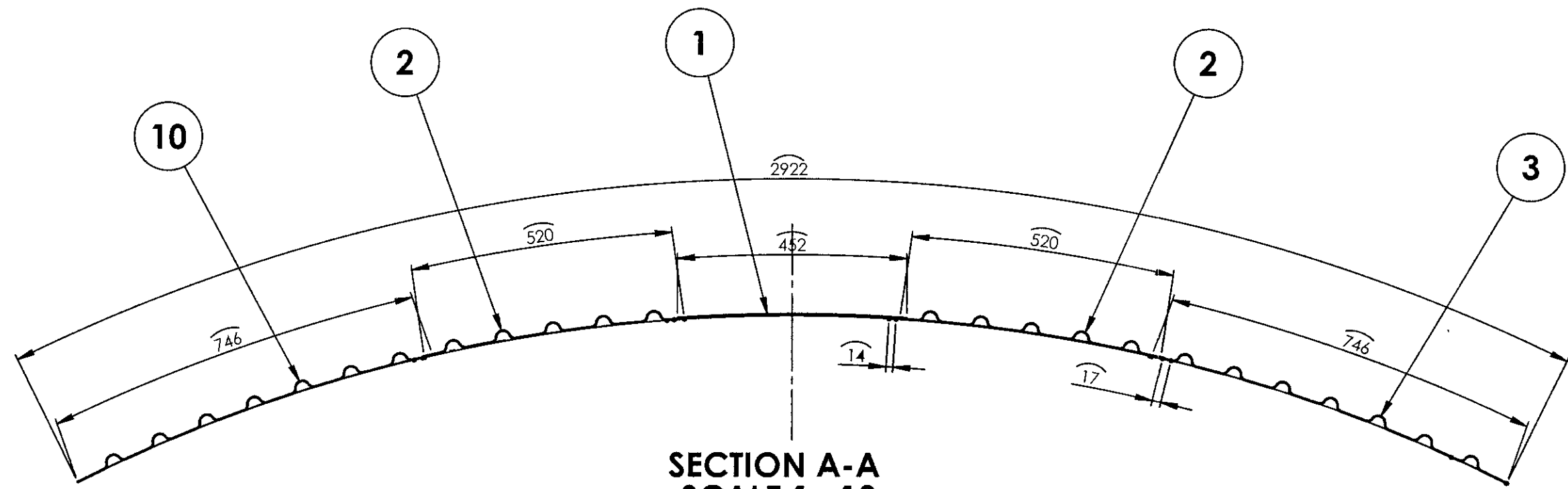
DETAIL Y
SCALE 1 : 2



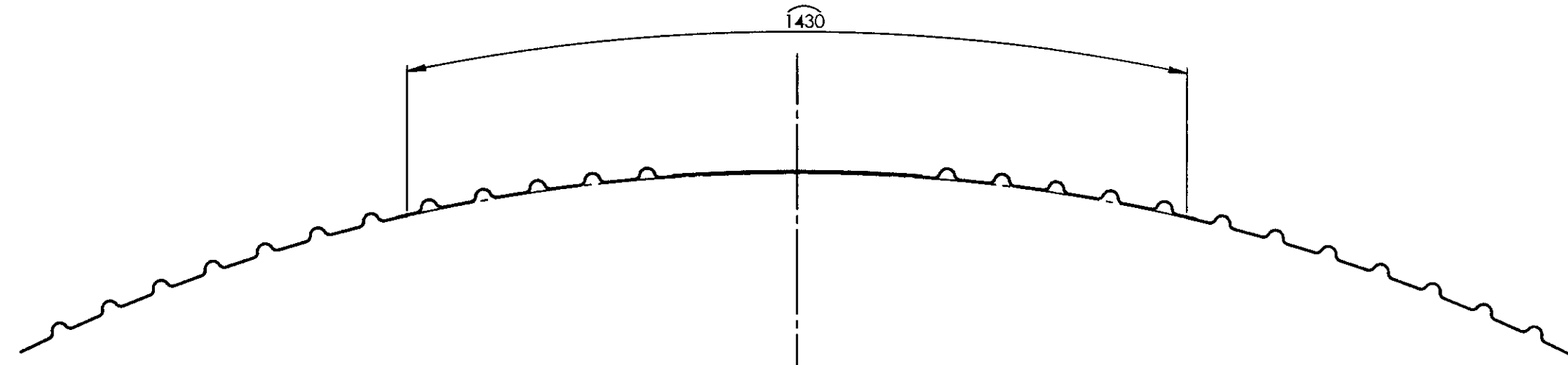
DETAIL V
SCALE 1 : 2



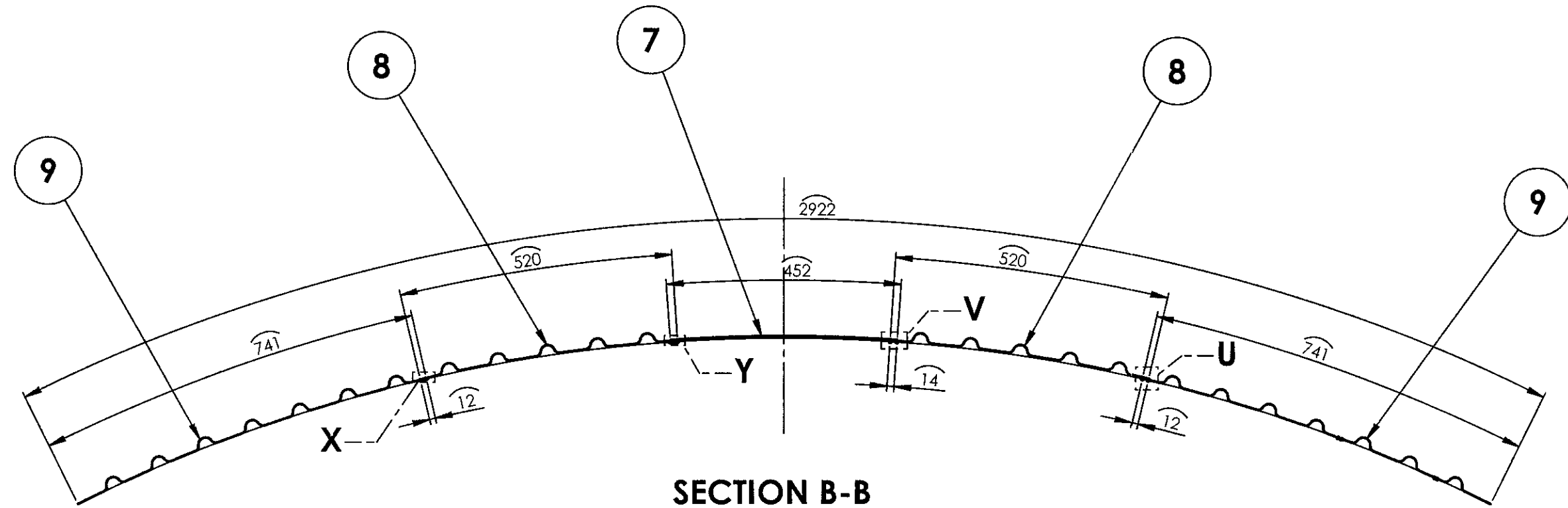
DETAIL U
SCALE 1 : 2



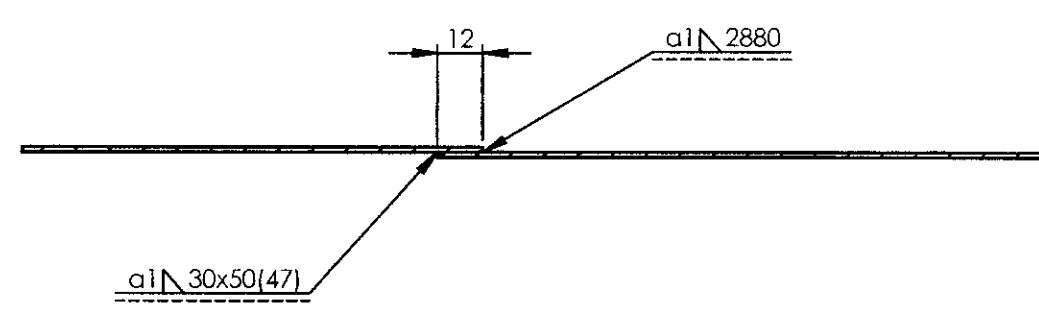
SECTION A-A
SCALE 1 : 10



SECTION D-D
SCALE 1 : 10



SECTION B-B
SCALE 1 : 10



SECTION C-C
SCALE 1 : 2

NOTE:

1. STAINLESS STEEL ELECTRODE OF SAME COMPOSITION AS PER TABLE-3 OF RDSO/SPEC C-K201 SHALL BE USED FOR WELDING.
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6. ALL WELD PERFORMANCE CLASS SHALL BE **CP C2** UNLESS OTHERWISE SPECIFIED.
7. FOR WELD TESTING PREFERENCES REFER DRG. No. ICF/STD-9-0-998.
8. FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.
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1	ROOF SHEET PART		10	AAB14312		22.947	
2	ROOF SHEET PART		9	AAB14136		20.334	
2	ROOF SHEET PART		8	AAB14137		14.309	
1	ROOF SHEET PART		7	AAB14134		17.015	
2	ROOF SHEET PART		6	AAB14129		21.485	
2	ROOF SHEET PART		5	AAB14135		15.258	
1	ROOF SHEET PART		4	AAB14133		18.144	
1	ROOF SHEET PART		3	AAB14128		22.947	
2	ROOF SHEET PART		2	AAB14119		7.531	
1	ROOF SHEET PART		1	AAB14132		8.943	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS

GROUP: 1-6 ROOF ASSY.		SURFACE AREA IN Sq.m .46.469		WT/ASSY IN Kgs:	
ROOF SHEET ASSEMBLY		SCALE 1:50	SSE 'D'		
		ALT 'C'	CHD		
		DRN	AMAL GEORGE		
INDIAN RAILWAY STANDARDS		SHEET 1 OF 1		LWLRRM	
INTEGRAL COACH FACTORY, CHENNAI - 600038		53816006		A1	

REF.DRG.NO.MI001644 All-a

2x -07-2025	08-03-2016	
DATE OF LATEST ALT	DATE OF FIRST ISSUE	AME/SME