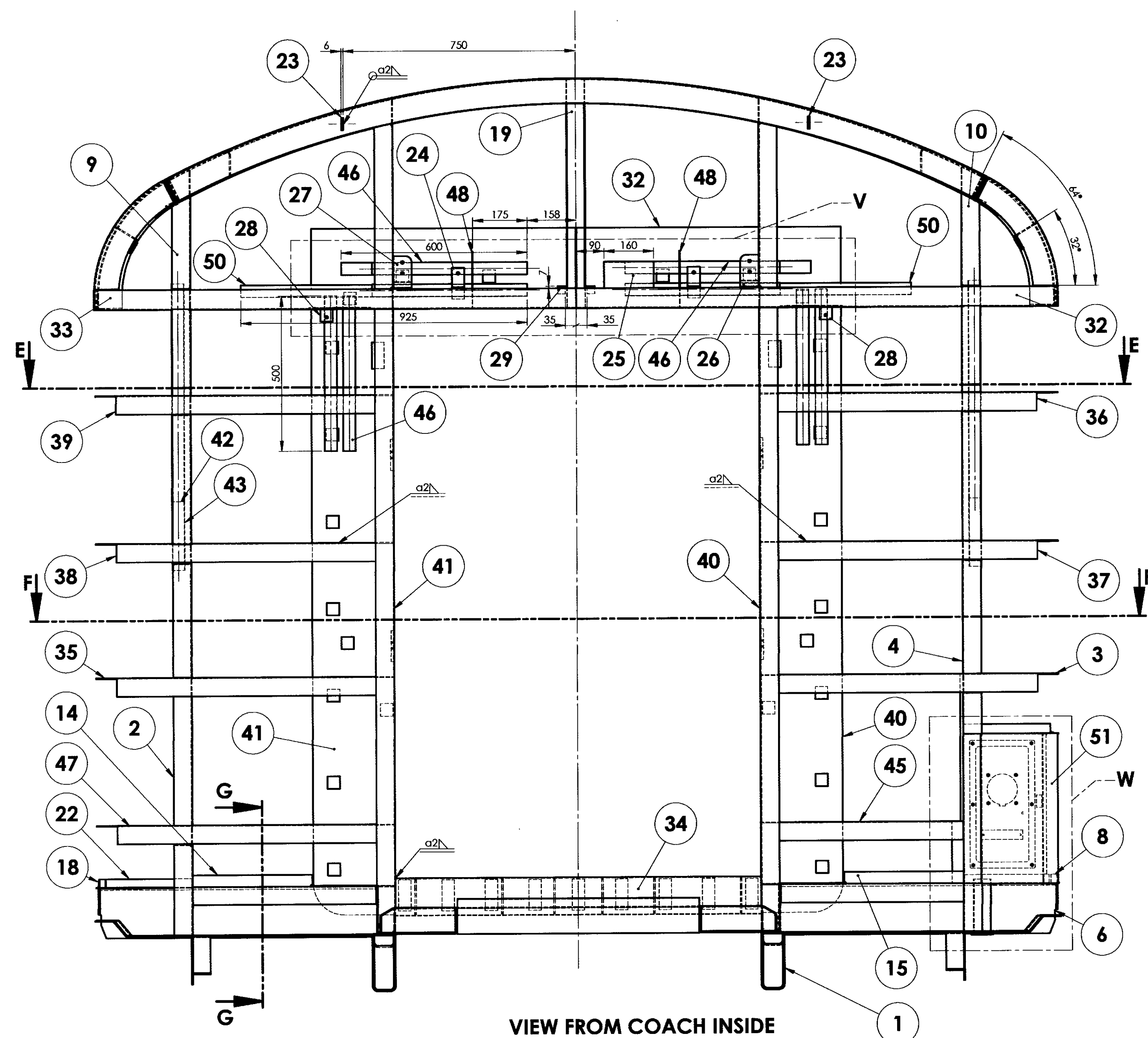
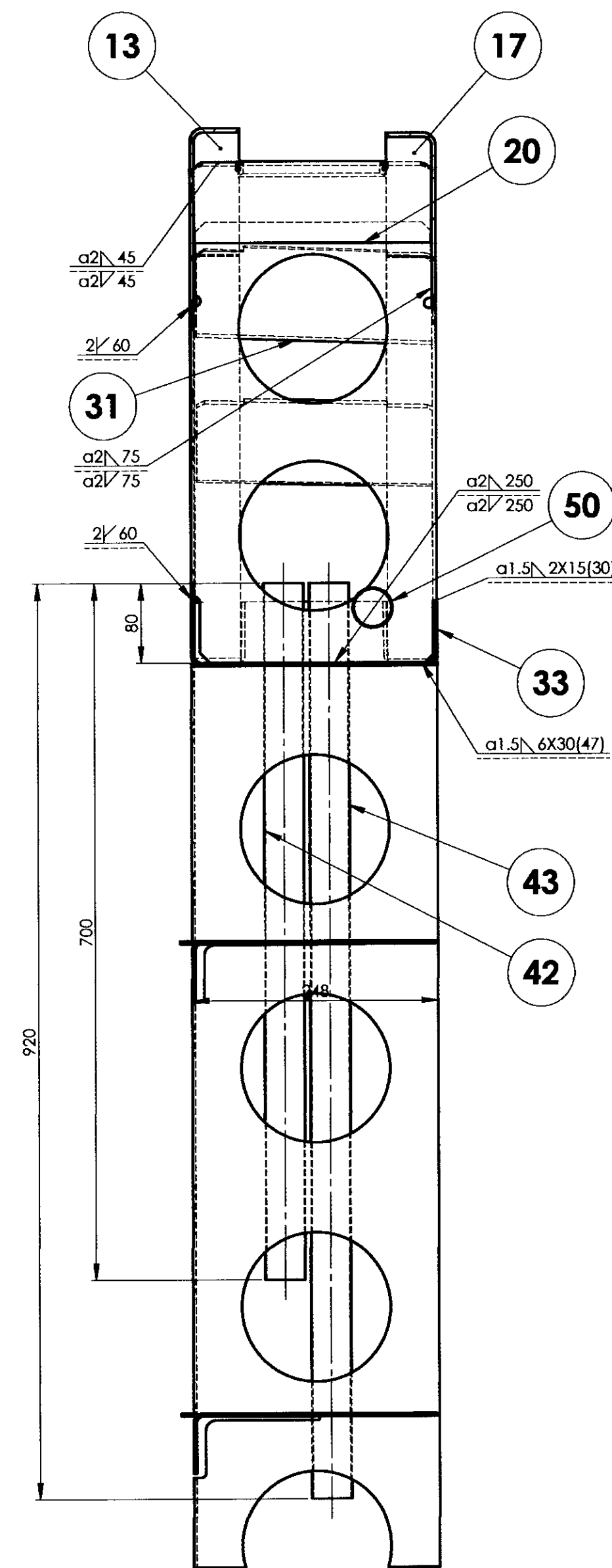
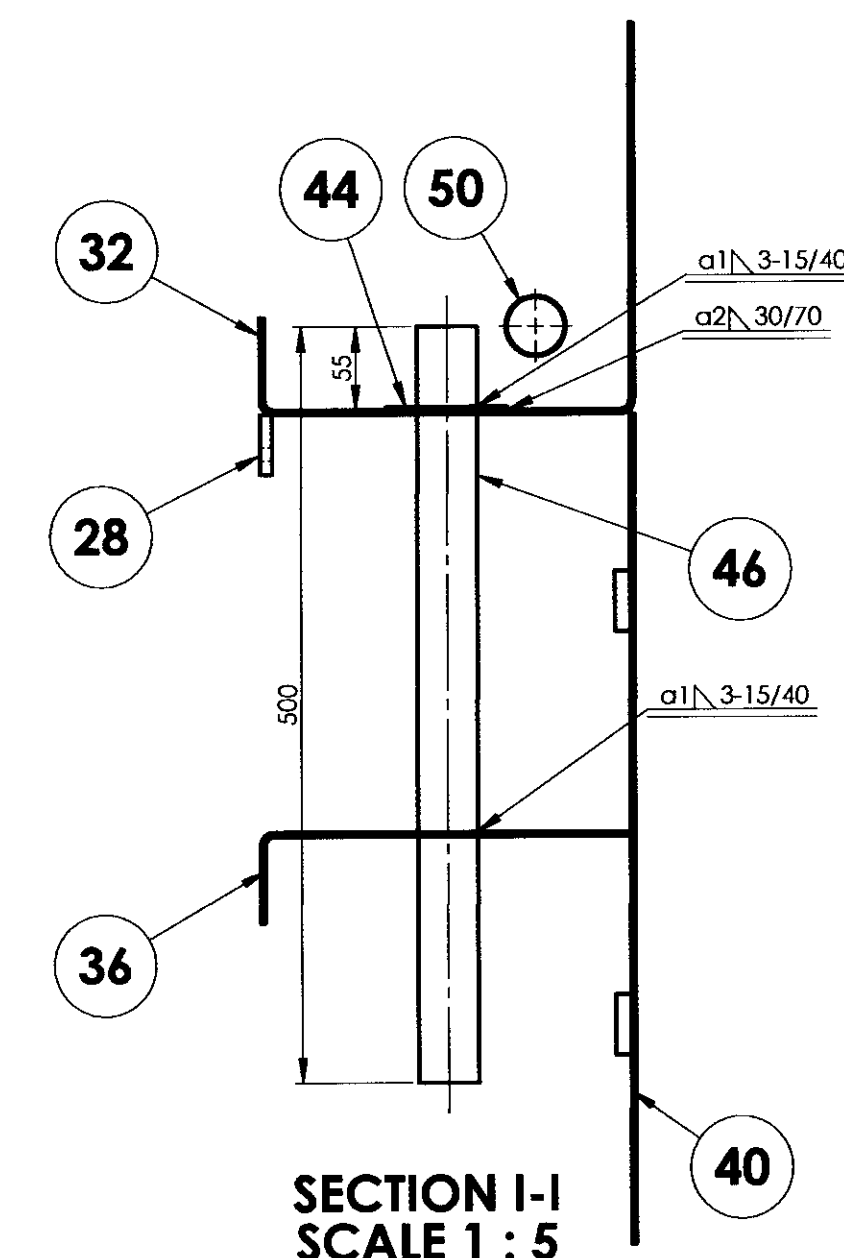
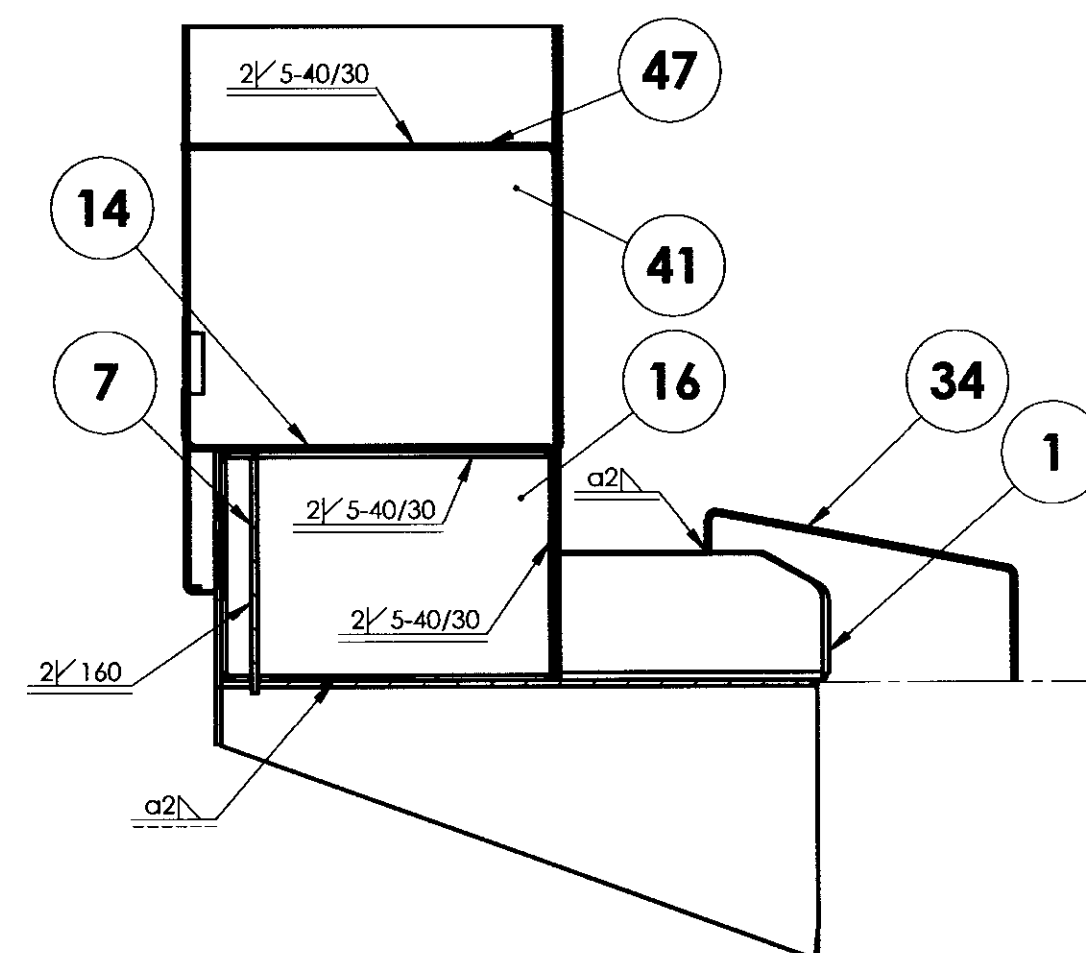
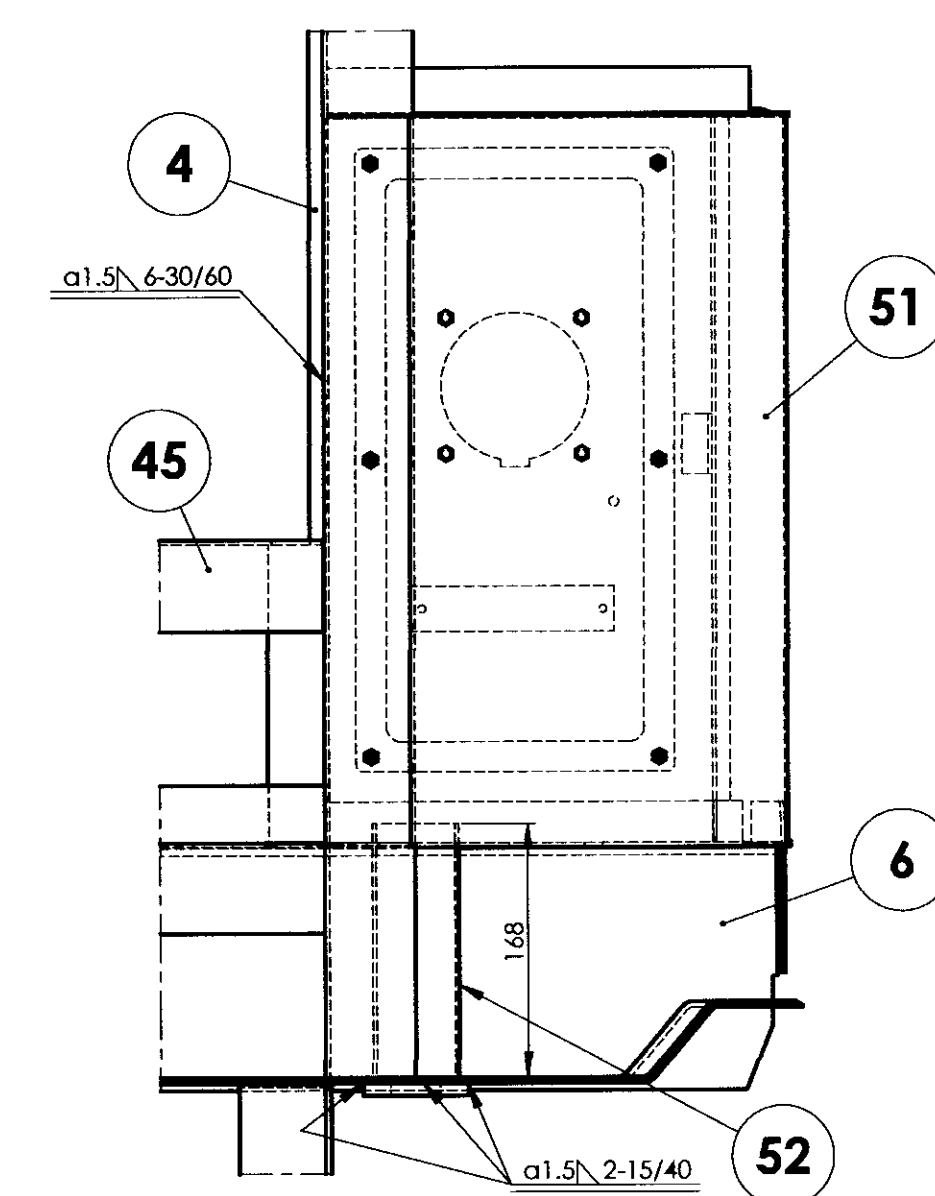
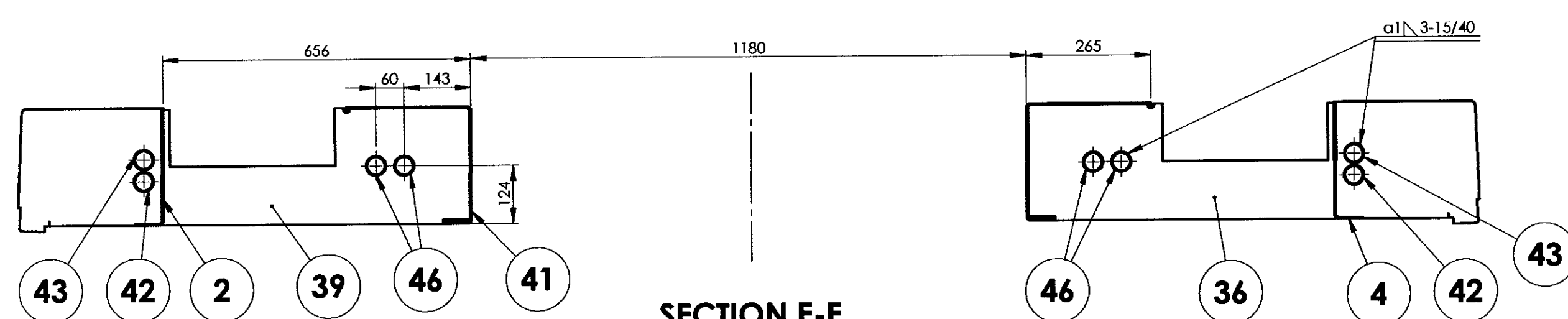
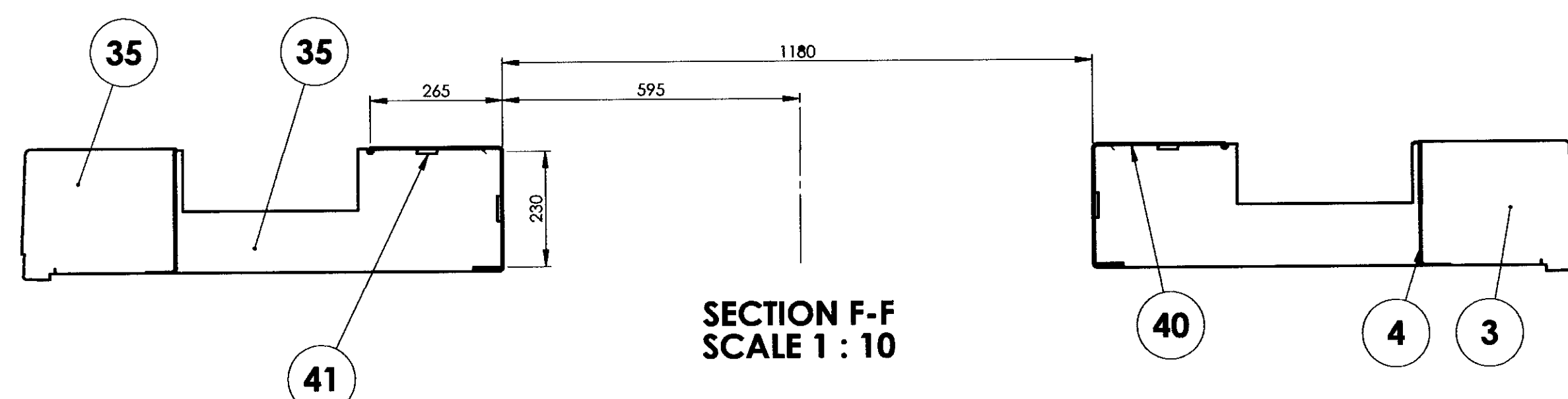
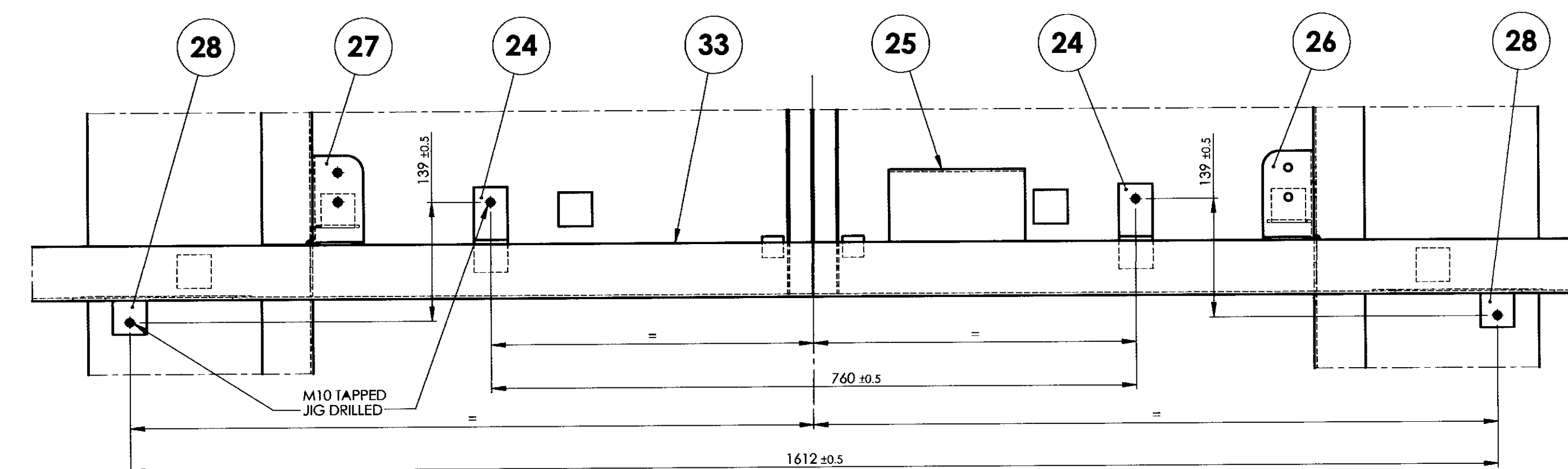


83115006

▽ ROUGH MACHINED	(01) ROUGH CLEANED
▽▽ FINISH MACHINED	(01b) BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	(01c) CHAMFERED



VIEW FROM COACH INSIDE

SECTION H-H  
SCALE 1 : 5SECTION I-I  
SCALE 1 : 5SECTION G-G  
SCALE 1 : 5DETAIL W  
SCALE 1 : 5SECTION E-E  
SCALE 1 : 10SECTION F-F  
SCALE 1 : 10DETAIL V  
(LOCATION FOR VESTIBULE SLIDING DOOR FIXING BRACKETS)  
SCALE 1 : 5

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. (CF/STD-9-0001).  
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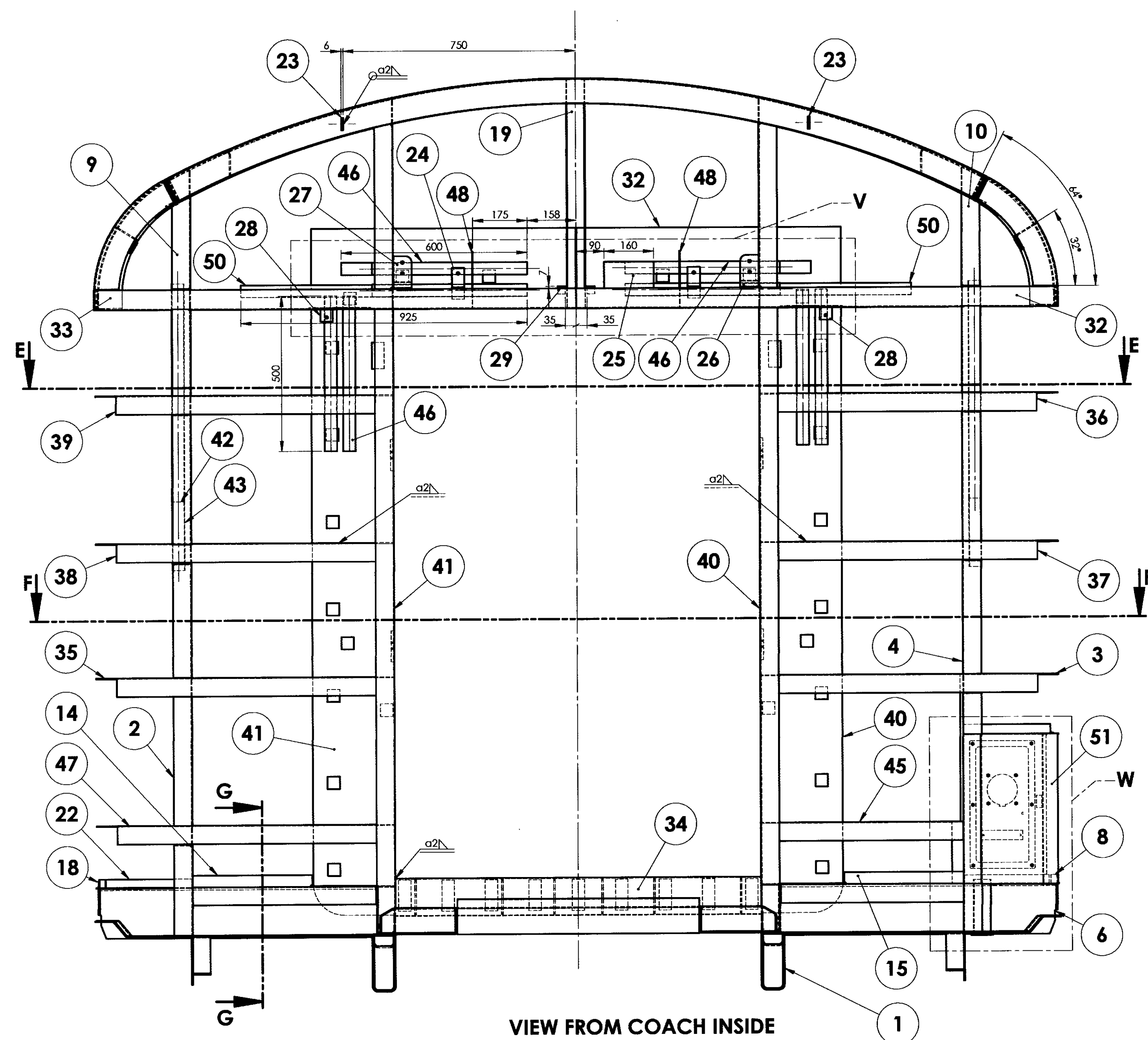
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DATE OF LATEST ALT.	13-03-2026	AME/SME
DATE OF FIRST ISSUE		

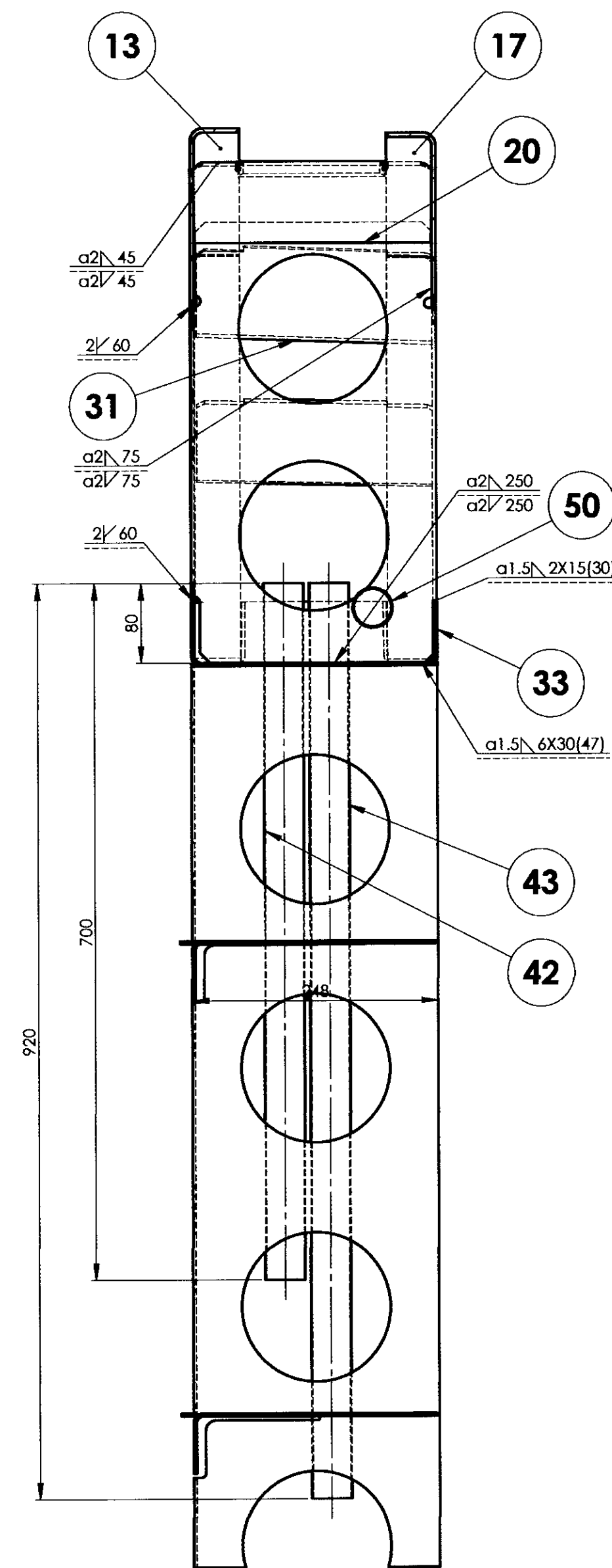
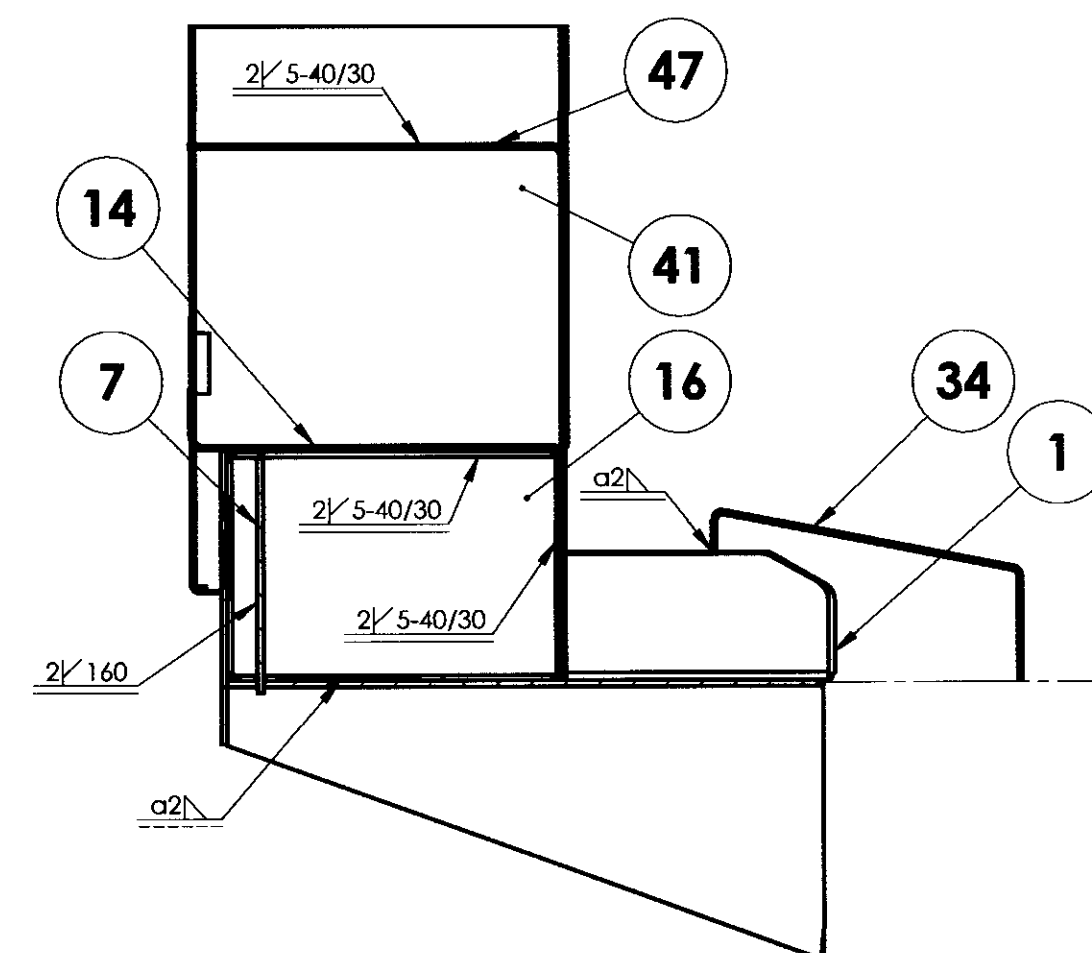
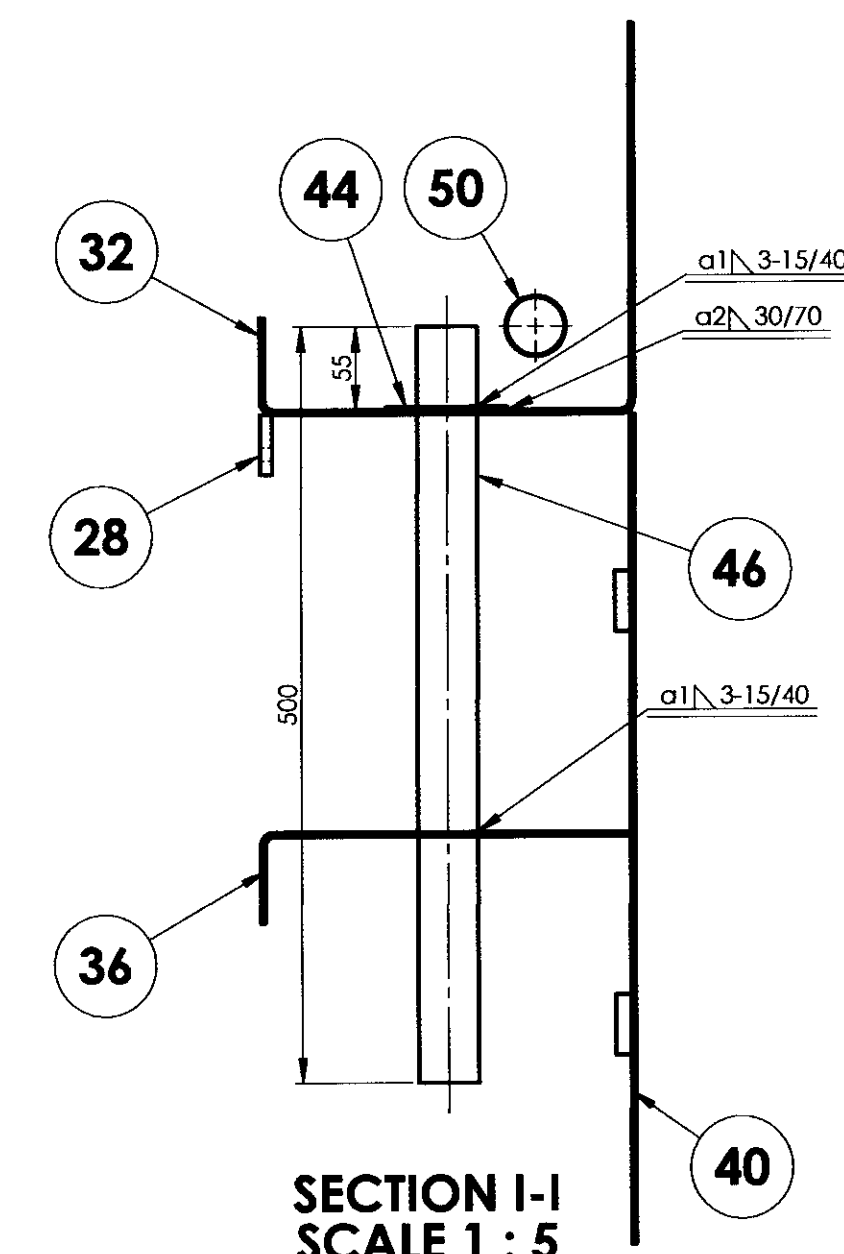
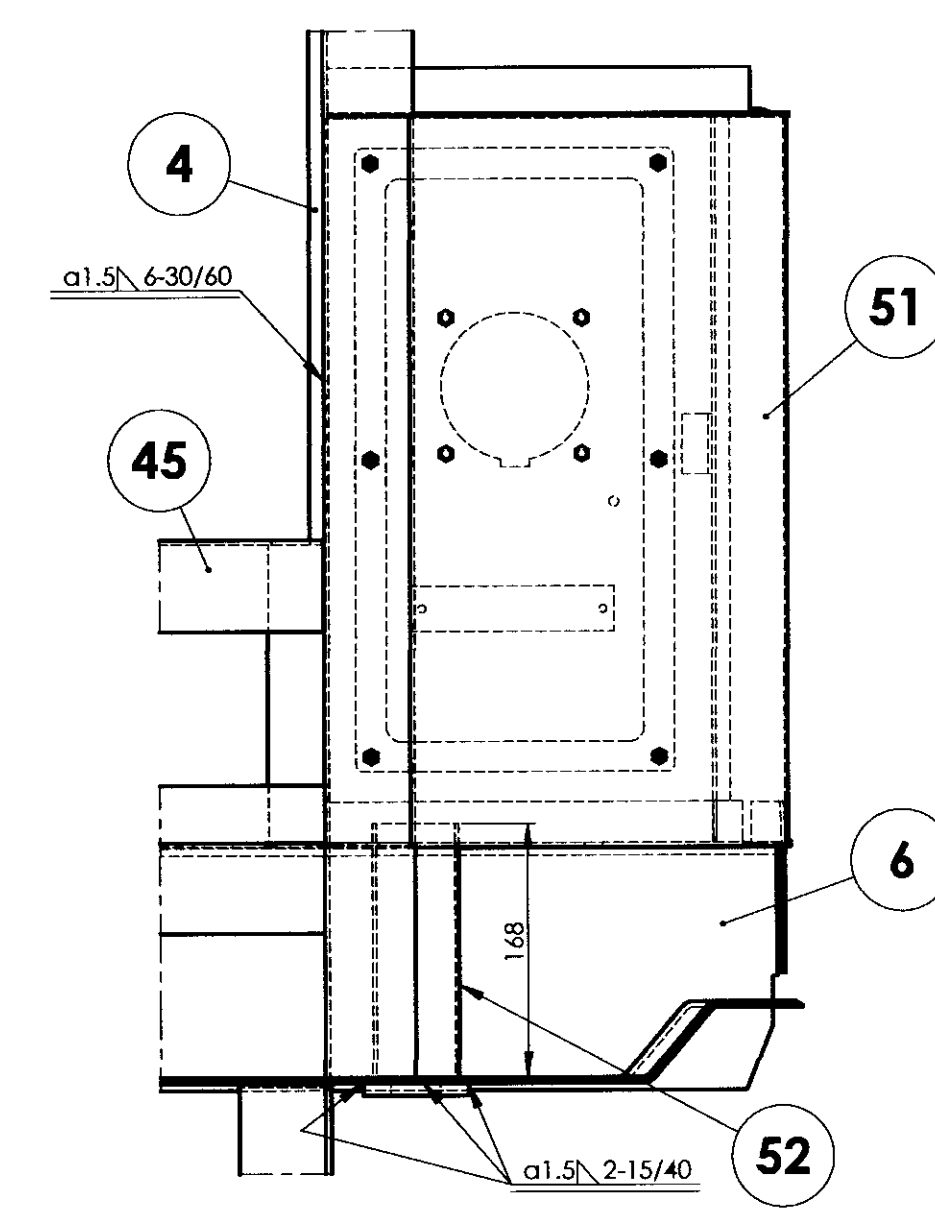
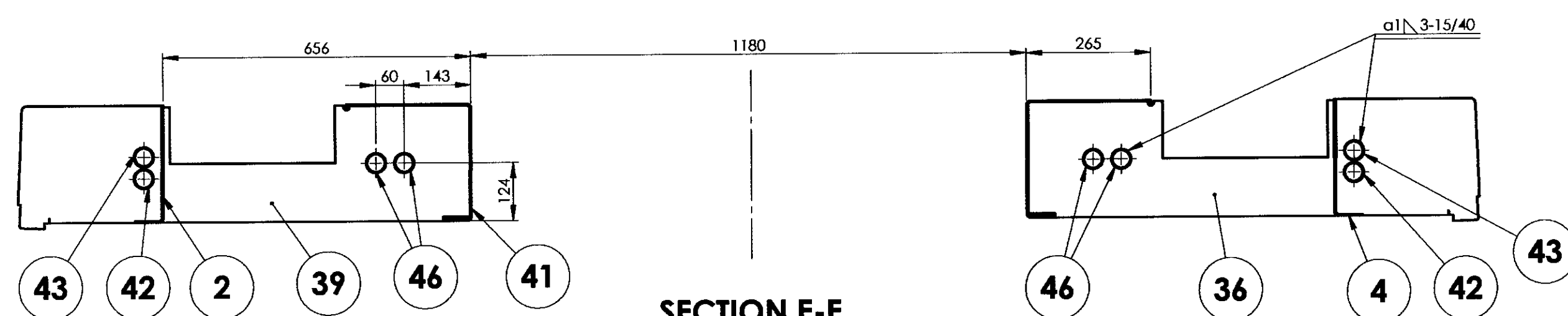
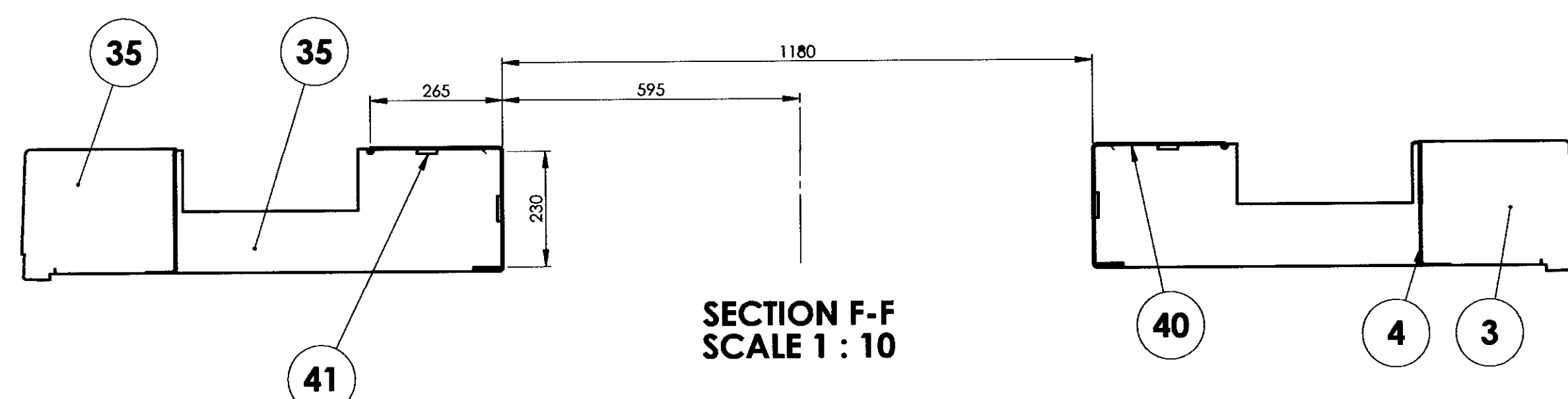
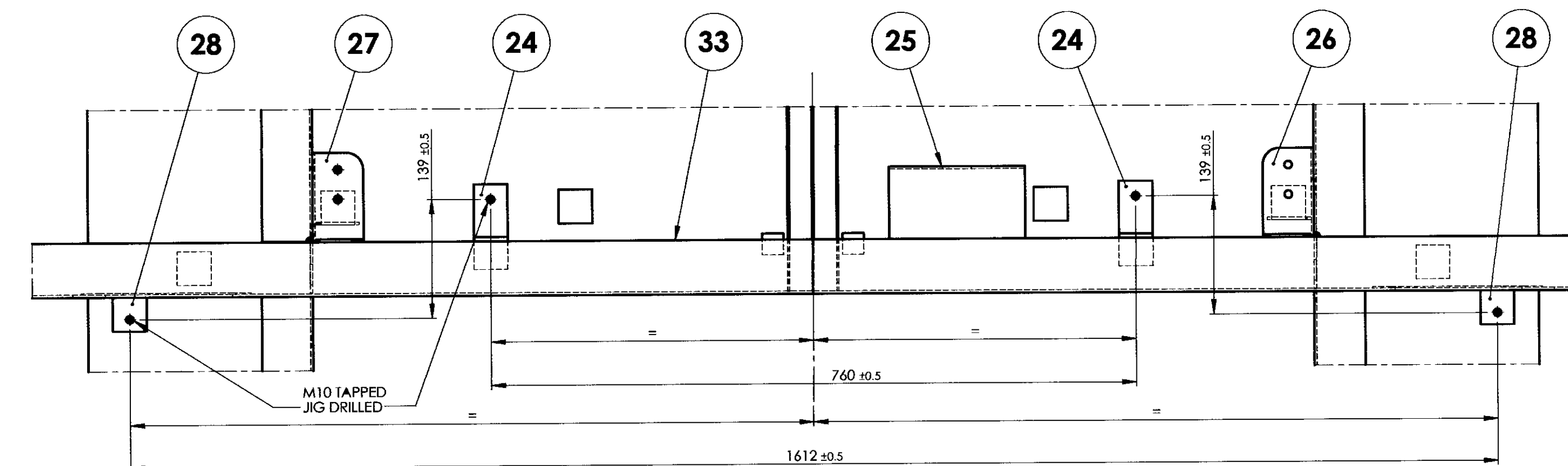
GROUP: 1-5 End Construction	SURFACE AREA IN Sq.m.:	WT/ASSY IN Kgs:
FRAME WORK		SCALE 1:10
INDIAN RAILWAY STANDARDS		SSE/D CHD
INTEGRAL COACH FACTORY, CHENNAI - 600038		ALT. ALTD
SHEET 2 OF 3		DRN MAHESH
83115006		LWLRRM/PP2
A1		

83115006

▽ ROUGH MACHINED	(01) ROUGH CLEANED
▽▽ FINISH MACHINED	(02) BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	(03) CHAMFERED



VIEW FROM COACH INSIDE

SECTION H-H  
SCALE 1 : 5SECTION G-G  
SCALE 1 : 5SECTION I-I  
SCALE 1 : 5DETAIL W  
SCALE 1 : 5SECTION E-E  
SCALE 1 : 10SECTION F-F  
SCALE 1 : 10DETAIL V  
(LOCATION FOR VESTIBULE SLIDING DOOR FIXING BRACKETS)  
SCALE 1 : 5

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REF.DRG.NO.

DATE OF LATEST ALT.	13-03-2026	DATE OF FIRST ISSUE	AME/SME
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GROUP: 1-5 End Construction	SURFACE AREA IN Sq.m.:	WT/ASSY IN Kgs:
FRAME WORK		SCALE 1:10
INDIAN RAILWAY STANDARDS		SSE/D CHD
INTEGRAL COACH FACTORY, CHENNAI - 600038		ALT. ALTD
SHEET 2 OF 3		DRN MAHESH
83115006		LWLRRM/PP2
A1		

83115006

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

① ROUGH CLEANED  
② BURRS REMOVED  
③ CHAMFERED

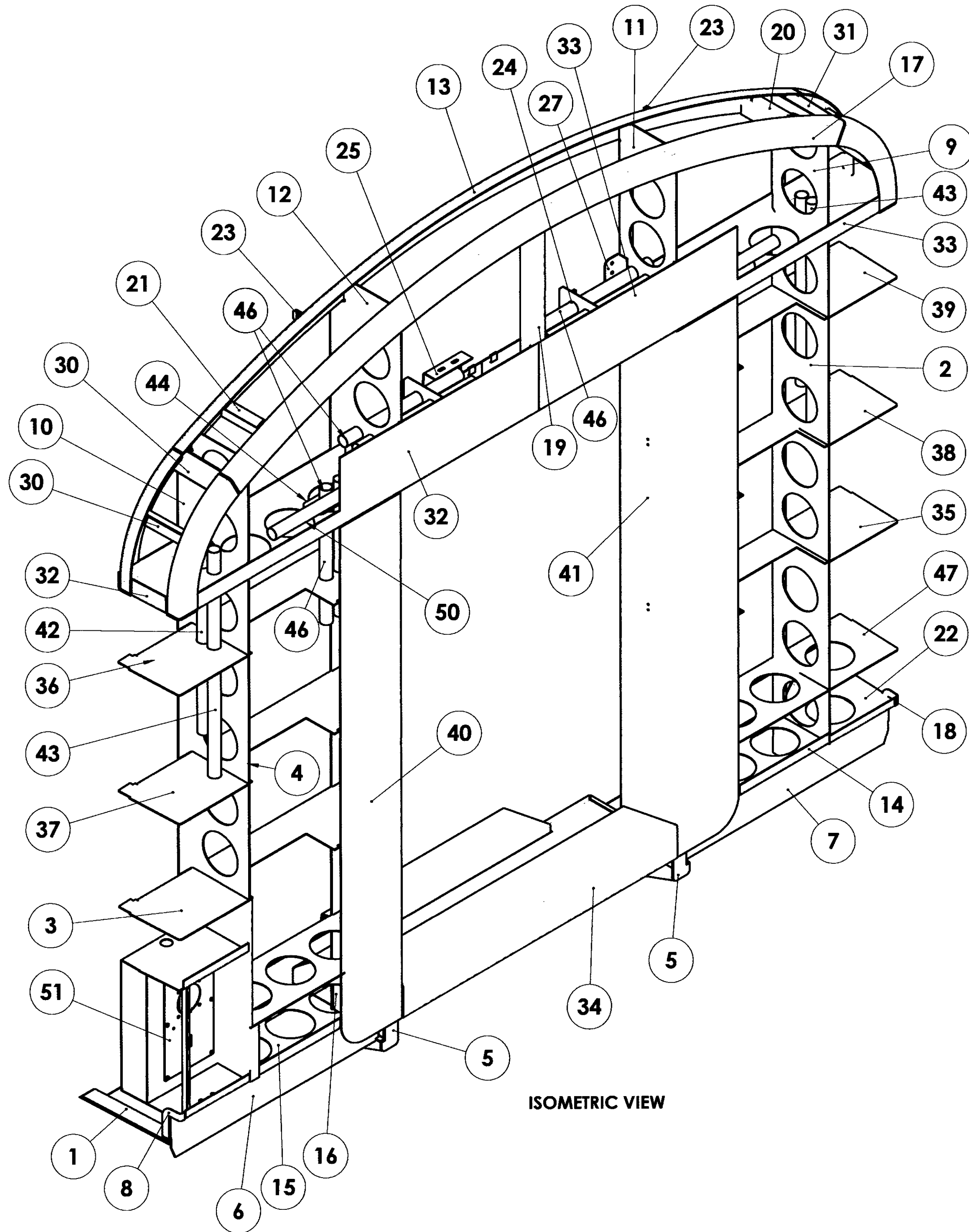
REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED & DATE



ISOMETRIC VIEW

NOTE:

1. STAINLESS STEEL ELECTRODE OF SAME COMPOSITION AS PER TABLE-3 OF RDSO/SPEC C-K201 SHALL BE USED FOR WELDING.
2. ALL WELD SPATTERS SHALL BE GROUND.
3. ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
4. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
5. ALL WELDINGS SHALL BE TIG WELDING UNLESS OTHERWISE SPECIFIED.
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. ALL TAPPED HOLES FOR FIXING VESTIBULE SHALL BE DONE BY THE FIRM TO SUIT AT SITE.
10. ALTERNATIVELY SS WELDED TUBES TO SPEC. ASTM A554 GRADE MI 304 (OR) ASTM A269/A269M GRADE TP 304 CAN ALSO BE USED FOR CONDUITS.

1	PIPE COMPLETE		52	49515018		0.859	
1	BRACKET COMPLETE		51	58115004		9.128	
2	CONDUIT	1mm THK x Ø40 x 925	50		IS:17876 X04Cr19Ni9	0.90	
2	CONDUIT	1mm THK x Ø40 x 600	49		IS:17876 X04Cr19Ni9	0.58	
2	SUPPORT FOR CONDUITS		48	AAE15019		0.55	
1	FLANGE		47	AAE15049		5.064	
10	CONDUIT	1mm THK x Ø40 x 500	46		IS:17876 X04Cr19Ni9	0.49	
1	FLANGE		45	AAD15905		3.354	
2	SUPPORT FOR CONDUIT		44	AAD15711		0.21	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS

2	CONDUIT		43	AAD15858		0.89	
2	CONDUIT		42	AAD15859		0.68	
1	RAM PILLAR ASSEMBLY		41	75415026		28.57	
1	RAM PILLAR ASSEMBLY		40	75415025		28.54	
1	FLANGE		39	AAE15047		5.581	
1	FLANGE		38	AAE15044		5.481	
1	FLANGE		37	AAE15045		5.484	
1	FLANGE		36	AAE15043		5.584	
1	FLANGE		35	AAE15048		5.702	
1	RAMP ARRANGEMENT		34	75415022		23.787	
1	FLANGE		33	75415028		14.45	
1	FLANGE		32	75415027		14.45	
2	REINFORCEMENT		31	AAA15474		0.911	
2	REINFORCEMENT		30	AAA15473		0.911	
2	FLAT		29	AAA10971		0.025	
2	BACK PIECE		28	AAA10949		0.102	
1	BRACKET COMPLETE		27	SSA10020		0.257	
1	BRACKET COMPLETE		26	SSA10019		0.257	
1	BRACKET		25	AAA10944		0.497	
2	BRACKET		24	AAA10941		0.222	
2	GROUNDING FLAP		23	AAA14445		0.087	
1	FLANGE		22	AAA15414		1.294	
1	REINFORCEMENT		21	AAA15205		0.741	
1	REINFORCEMENT		20	AAA15206		0.780	
1	REINFORCEMENT		19	AAA15210		1.458	
1	REINFORCEMENT		18	AAA15232		0.088	
1	ARCH COMPLETE		17	59315003		14.208	
2	WEB		16	AAA15208		0.782	
1	FLANGE LH		15	AAE15044		3.44	
1	FLANGE RH		14	AAE15050		3.45	
1	ARCH COMPLETE		13	59315004		13.994	
1	PILLAR		12	AAE15018		3.565	
1	PILLAR		11	AAE15017		3.565	
1	PILLAR		10	AAA15237		2.101	
1	PILLAR		9	AAA15238		2.101	
1	REINFORCEMENT		8	AAA15252		0.089	
1	FRAMEWORK PART		7	AAA15253		4.519	
1	FRAMEWORK PART		6	AAA15254		4.520	
2	REINFORCEMENT		5	AAA15257		0.342	
1	RAM PILLAR		4	AAB15430		12.184	
1	FLANGE		3	AAE15044		5.719	
1	RAM PILLAR		2	AAB15431		10.583	
1	SILL ARRANGEMENT		1	49515003		39.942	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS

GROUP: 1-5 End Construction

SURFACE AREA IN Sq.m.:

WT/ASSY IN Kgs:

FRAME WORK

INDIAN RAILWAY STANDARDS  
INTEGRAL COACH FACTORY, CHENNAI - 600038

SHEET  
3 OF 3

83115006

A1

REF.DRG.NO.

DATE OF LATEST ALT. 13-03-2026  
DATE OF FIRST ISSUE  
AME/SME

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83115006

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

① ROUGH CLEANED  
①① BURRS REMOVED  
①① CHAMFERED

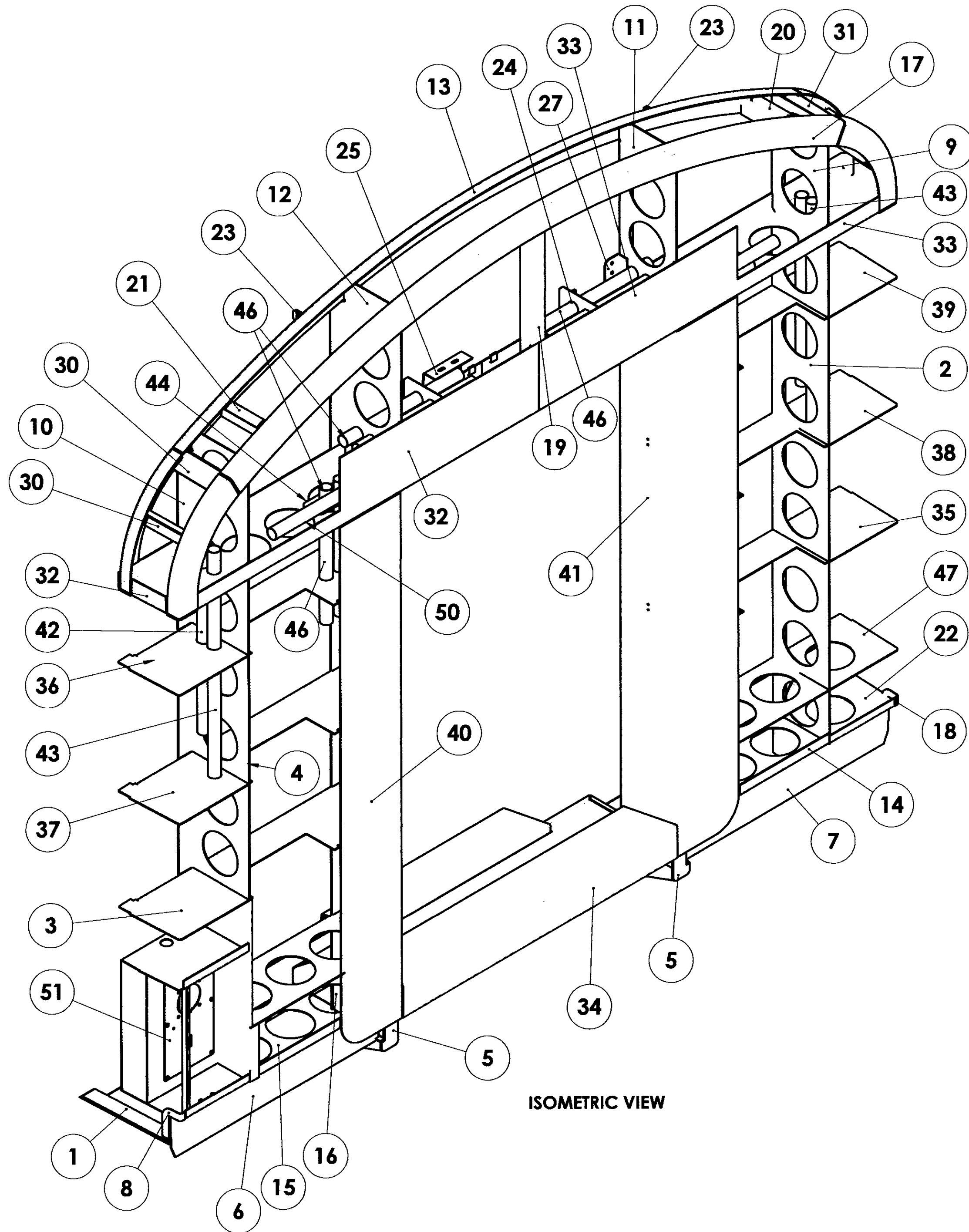
REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED & DATE



ISOMETRIC VIEW

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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8. FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.
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1	BRACKET COMPLETE		51	58115004		9.128	
2	CONDUIT	1mm THK x Ø40 x 925	50		IS:17876 X04Cr19Ni9	0.90	
2	CONDUIT	1mm THK x Ø40 x 600	49		IS:17876 X04Cr19Ni9	0.58	
2	SUPPORT FOR CONDUITS		48	AAE15019		0.55	
1	FLANGE		47	AAE15049		5.064	
10	CONDUIT	1mm THK x Ø40 x 500	46		IS:17876 X04Cr19Ni9	0.49	
1	FLANGE		45	AAD15905		3.354	
2	SUPPORT FOR CONDUIT		44	AAD15711		0.21	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS

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2	CONDUIT		42	AAD15859		0.68	
1	RAM PILLAR ASSEMBLY		41	75415026		28.57	
1	RAM PILLAR ASSEMBLY		40	75415025		28.54	
1	FLANGE		39	AAE15047		5.581	
1	FLANGE		38	AAE15044		5.481	
1	FLANGE		37	AAE15045		5.484	
1	FLANGE		36	AAE15043		5.584	
1	FLANGE		35	AAE15048		5.702	
1	RAMP ARRANGEMENT		34	75415022		23.787	
1	FLANGE		33	75415028		14.45	
1	FLANGE		32	75415027		14.45	
2	REINFORCEMENT		31	AAA15474		0.911	
2	REINFORCEMENT		30	AAA15473		0.911	
2	FLAT		29	AAA10971		0.025	
2	BACK PIECE		28	AAA10949		0.102	
1	BRACKET COMPLETE		27	SSA10020		0.257	
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2	BRACKET		24	AAA10941		0.222	
2	GROUNDING FLAP		23	AAA14445		0.087	
1	FLANGE		22	AAA15414		1.294	
1	REINFORCEMENT		21	AAA15205		0.741	
1	REINFORCEMENT		20	AAA15206		0.780	
1	REINFORCEMENT		19	AAA15210		1.458	
1	REINFORCEMENT		18	AAA15232		0.088	
1	ARCH COMPLETE		17	59315003		14.208	
2	WEB		16	AAA15208		0.782	
1	FLANGE LH		15	AAE15044		3.44	
1	FLANGE RH		14	AAE15050		3.45	
1	ARCH COMPLETE		13	59315004		13.994	
1	PILLAR		12	AAE15018		3.565	
1	PILLAR		11	AAE15017		3.565	
1	PILLAR		10	AAA15237		2.101	
1	PILLAR		9	AAA15238		2.101	
1	REINFORCEMENT		8	AAA15252		0.089	
1	FRAMEWORK PART		7	AAA15253		4.519	
1	FRAMEWORK PART		6	AAA15254		4.520	
2	REINFORCEMENT		5	AAA15257		0.342	
1	RAM PILLAR		4	AAB15430		12.184	
1	FLANGE		3	AAE15044		5.719	
1	RAM PILLAR		2	AAB15431		10.583	
1	SILL ARRANGEMENT		1	49515003		39.942	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS

GROUP: 1-5 End Construction

SURFACE AREA IN Sq.m.:

WT/ASSY IN Kgs:

FRAME WORK

INDIAN RAILWAY STANDARDS  
INTEGRAL COACH FACTORY, CHENNAI - 600038

SHEET  
3 OF 3

83115006

A1

REF.DRG.NO.

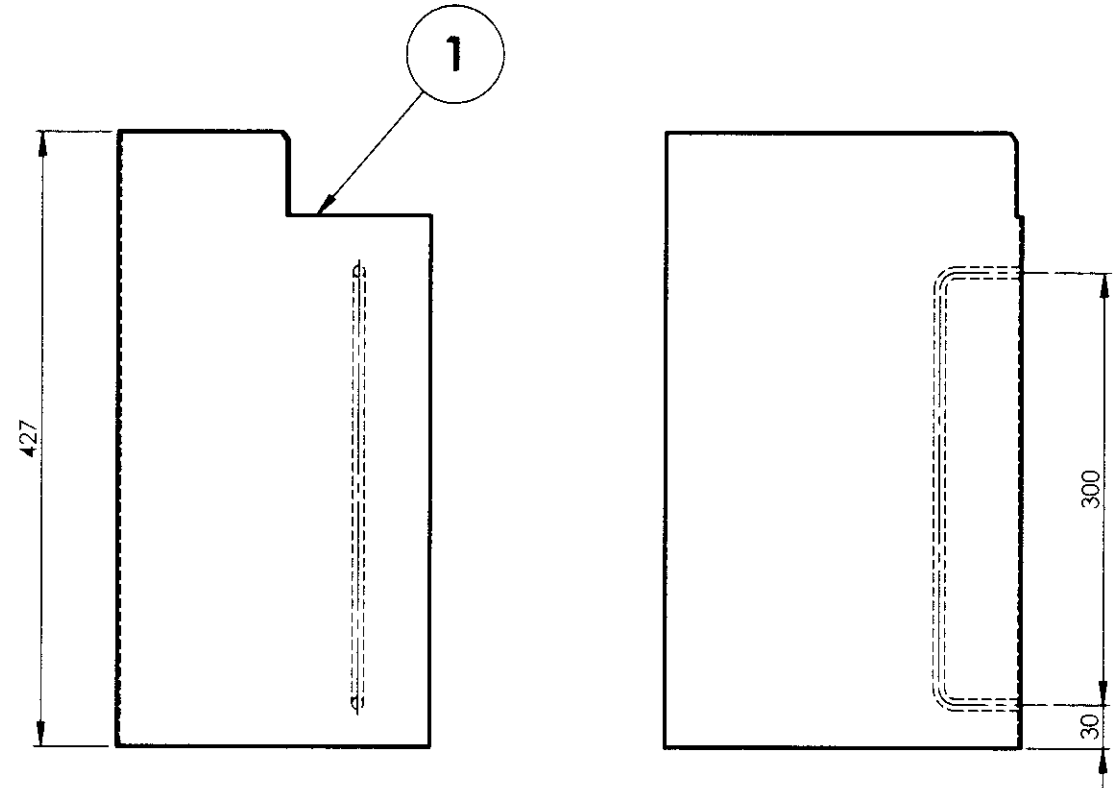
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DATE OF FIRST ISSUE  
AME/SME

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97115004

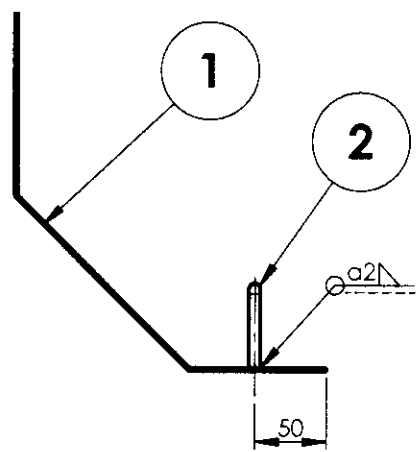
▽ ROUGH MACHINED	⊖ ROUGH CLEANED
▽▽ FINISH MACHINED	⊖⊖ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⊖⊖⊖ CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



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7. FOR WELD PROCEDURE SPECIFICATION REFER DRG. No ICF/STD-9-0-999.



1	ELEC CABLE TIE ROD		2	AAB15177		0.16	
1	ELEC COUPLER COVER		1	AAD15725		2.59	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
ELEC COUPLER COVER COMPLETE					SCALE	CHD	
					1:5	CHD	
					ALT	ALT	
						DRN	SURESH B
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		LWS/VA	
						97115004	
INTEGRAL COACH FACTORY CHENNAI 600038						A3	

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REF.DRG.NO.

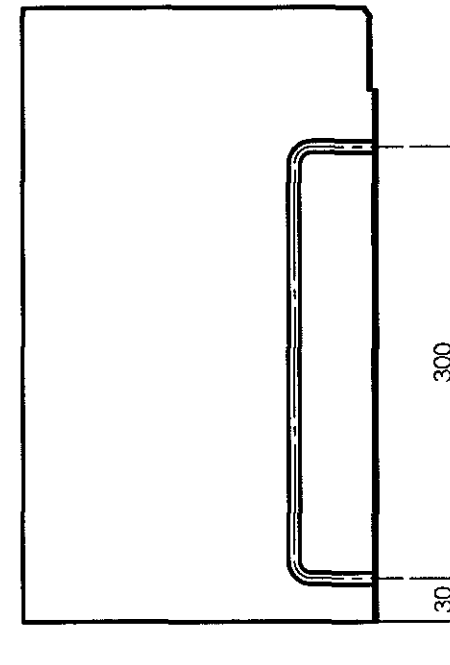
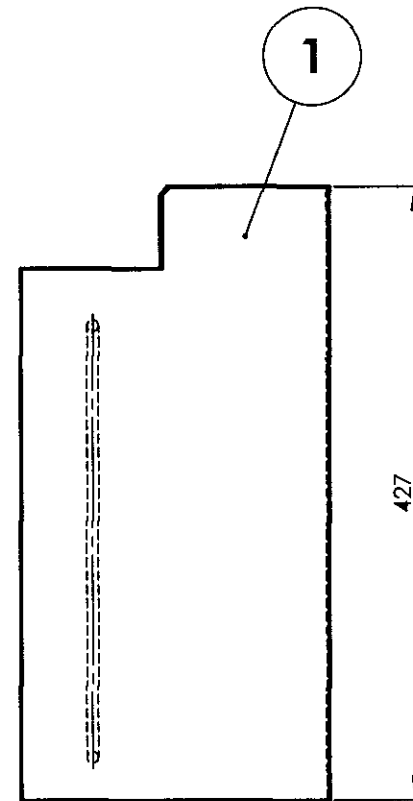
	05-09-2023	
DATE OF LATEST ALT	DATE OF FIRST ISSUE	AME/SME

97115005

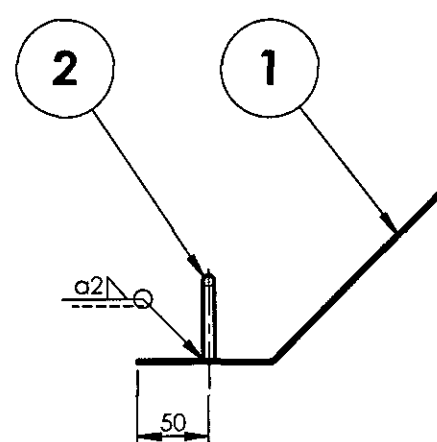
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①c CHAMFERED

## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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7. FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.



1	ELEC CABLE TIE ROD		2	AAB15177		0.16	
1	ELEC COUPLER COVER		1	AAD15726		2.57	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS

GROUP: 1-5 End Construction

SURFACE AREA IN Sq.m.:

WT/ASSY IN Kgs:

**ELEC COUPLER COVER COMPLETE**

SCALE	SSE/D	
1:5	CHD	
ALT.	ALTD	
	DRN	MURUGAN P

INDIAN RAILWAY STANDARDS

INTEGRAL COACH FACTORY, CHENNAI - 600038

SHEET  
1 OF 1

LWS/VA

97115005

A3

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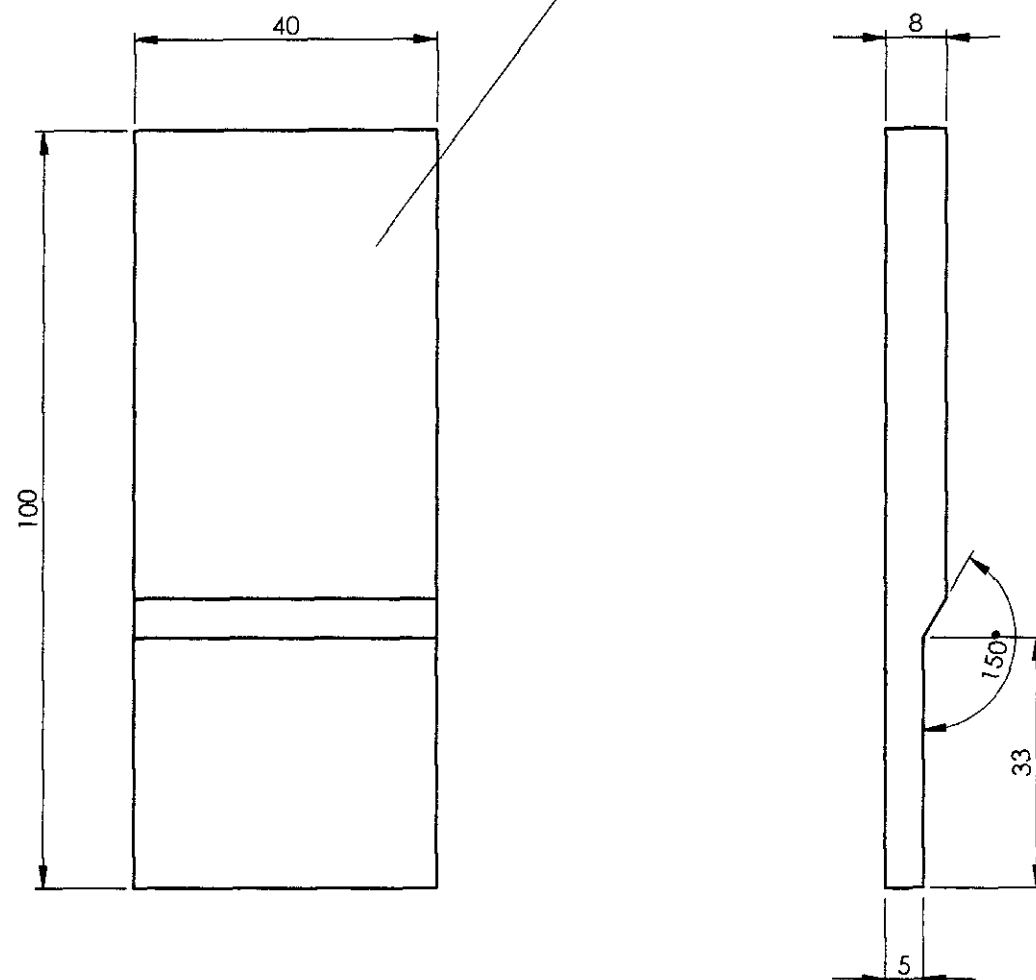
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DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

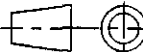
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▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		NOTE 1 ADDED	<i>[Signature]</i>

**NOTE:**

1. ALTERNATIVELY IS 6911 X04Cr19Ni9 (OR) ASTM A240 S30400 MAY BE USED IN LIEU OF RDSO/SPEC C-K201 X5 Cr Ni 18 10 FOR ITEM 1.

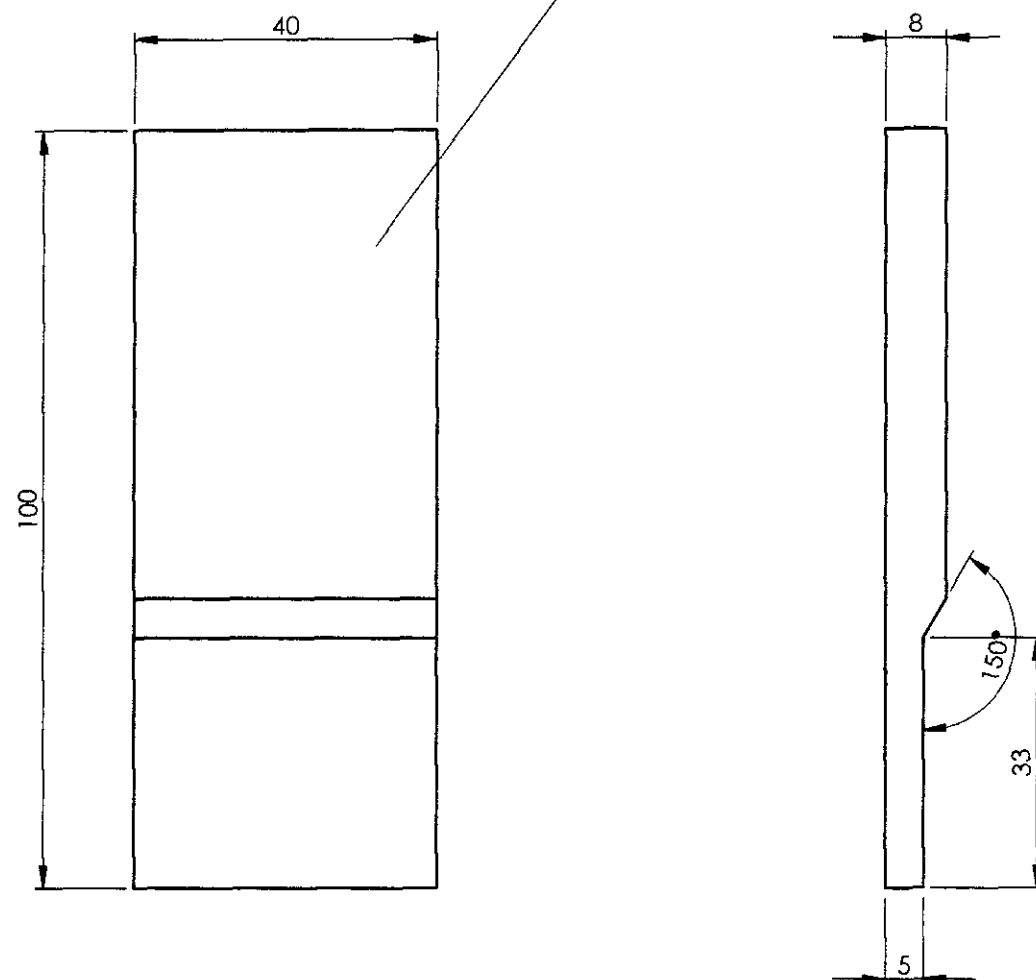
1	BRACKET	8x40x100	1		RDSO/SPEC C- K201 X5 Cr Ni 18 10	0.222	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:0.010			WT/ASSY IN Kgs:0.222		
BRACKET					SCALE	SSE/D	<i>L Panduranga Rao</i>
					1:1	CHD	
					ALT.	ALTD	MAHESHBABU
					a	DRN	L.PANDURANGA RAO
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1	AAA10961		A3

REF.DRG.NO.3 10113.0.20.095.124

AAA10961

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		NOTE 1 ADDED	<i>[Signature]</i>

**NOTE:**

1. ALTERNATIVELY IS 6911 X04Cr19Ni9 (OR) ASTM A240 S30400 MAY BE USED IN LIEU OF RDSO/SPEC C-K201 X5 Cr Ni 18 10 FOR ITEM 1.

1	BRACKET	8x40x100	1		RDSO/SPEC C- K201 X5 Cr Ni 18 10	0.222	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:0.010			WT/ASSY IN Kgs:0.222		
BRACKET					SCALE	SSE/D	<i>L Panduranga Rao</i>
					1:1	CHD	
					ALT.	ALTD	MAHESHBABU
					a	DRN	L.PANDURANGA RAO
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1		AAA10961

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 10113.0.20.095.124

04/7/23		<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME



AAA10966

▽ ROUGH MACHINED	⊙ ROUGH CLEANED
▽▽ FINISH MACHINED	⊙ BURRS REMOVED
▽▽▽ FINISH VACUUM	⊙ CHAMFERED

REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &  
DATE

1

160

53

R6

85

3

25

9

43.5

15

43

15

1	BRACKET	3x132x160	1		RDSO/SPEC C- K201 X2CrNi12	0.497	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0				SURFACE AREA IN Sq.m.:0.043		WT/ASSY IN Kgs:0.497	
BRACKET					SCALE 1:1	SSE/D CHD	L.PANDURANGA RAO
					ALT.	ALTD	
						DRN	L.PANDURANGA RAO
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA10966		
					A3		

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

REF.DRG.NO.3 10113.0.20.095.159

DATE OF LATEST ALT.

10-04-2013

DATE OF FIRST ISSUE

AME/SME

10/4/13

AAA10966

▽ ROUGH MACHINED	⊙ ROUGH CLEANED
▽▽ FINISH MACHINED	⊙ BURRS REMOVED
▽▽▽ FINISH VACUUM	⊙ CHAMFERED

REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &  
DATE

1

160

53

R6

85

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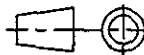
9

43.5

15

43

15

1	BRACKET	3x132x160	1		RDSO/SPEC C-K201 X2CrNi12	0.497	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:0.043			WT/ASSY IN Kgs:0.497		
BRACKET					SCALE	SSE/D	<i>L.Panduranga Rao</i>
					1:1	CHD	
					ALT.	ALTD	
						DRN	L.PANDURANGA RAO
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET	AAA10966		
				1 OF 1			
				A3			

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

REF.DRG.NO.3 10113.0.20.095.159

DATE OF LATEST ALT.

10-04-2013

DATE OF FIRST ISSUE

AME/SME

*10/4/13*

1		2		3		4		5		6		7		8		
AAA10969				▽ ROUGH MACHINED		⊖ ROUGH CLEANED		REVISIONS								
				▽▽ FINISH MACHINED		⊖⊖ BURRS REMOVED		ALT.		ZONE		DESCRIPTION			APPROVED & DATE	
				▽▽▽ FINE FINISH MACHINED		⊖⊖⊖ CHAMFERED										
A																
B																
C																
D																
E																
F																
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS ALSO 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.LW10204; ITEM-17																
		10-04-2013		10/4/13												
DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME												
INDIAN RAILWAY STANDARDS																
INTEGRAL COACH FACTORY, CHENNAI - 600038																
SHEET 1 OF 1																
AAA10969														A3		
1																
8																
40																
FLAT																
GROUP: 1-0																
SURFACE AREA IN Sq.m.:0.004																
WT/ASSY IN Kgs:0.102																
SCALE 2:1																
SSE/D																
CHD																
ALT.																
ALTD																
DRN																
L.PANDURANGA RAO																
INDIAN RAILWAY STANDARDS																
INTEGRAL COACH FACTORY, CHENNAI - 600038																
SHEET 1 OF 1																
AAA10969														A3		

1		2		3		4		5		6		7		8		
AAA10969				▽ ROUGH MACHINED		⊖ ROUGH CLEANED		REVISIONS								
				▽▽ FINISH MACHINED		⊖⊖ BURRS REMOVED		ALT.		ZONE		DESCRIPTION			APPROVED & DATE	
				▽▽▽ FINE FINISH MACHINED		⊖⊖⊖ CHAMFERED										
A																
B																
C																
D																
E																
F																
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS ALSO 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.LW10204; ITEM-17																
		10-04-2013		10/4/13												
DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME												
INDIAN RAILWAY STANDARDS																
INTEGRAL COACH FACTORY, CHENNAI - 600038																
SHEET 1 OF 1																
AAA10969														A3		
1																
8																
40																
FLAT																
GROUP: 1-0																
SURFACE AREA IN Sq.m.:0.004																
WT/ASSY IN Kgs:0.102																
SCALE 2:1																
SSE/D																
CHD																
ALT.																
ALTD																
DRN																
L.PANDURANGA RAO																
INDIAN RAILWAY STANDARDS																
INTEGRAL COACH FACTORY, CHENNAI - 600038																
SHEET 1 OF 1																
AAA10969														A3		

1		2		3		4		5		6		7		8		
AAA10971				▽ 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 ICT/STD 9 0 001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813 1986.</div> <div><div>25</div><div>25</div><div>5</div><div>1</div></div>																
1		2		3		4		5		6		7		8		
QTY.		DESCRIPTION		DIMENSIONS		ITEM NO.		REF. DRGS		MATL.SPEC.		WT/UNIT IN KGS		REMARKS		
GROUP: 1-0				SURFACE AREA IN Sq.m.:0.002						WT/ASSY IN Kgs:0.025						
FLAT										SCALE 1:1		SSE/D CHD		L.PANDURANGA RAO		
										ALT.		ALTD				
										DRN						
INDIAN RAILWAY STANDARDS										SHEET 1 OF 1		AAA10971		A3		
INTEGRAL COACH FACTORY, CHENNAI - 600038																
DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME												
10-04-2013		10-04-2013		10-04-2013												

1		2		3		4		5		6		7		8		
AAA10971				▽ 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 ICT/STD 9 0 001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813 1986.</div> <div><div>25</div><div>25</div><div>5</div><div>1</div></div>																
1		2		3		4		5		6		7		8		
QTY.		DESCRIPTION		DIMENSIONS		ITEM NO.		REF. DRGS		MATL.SPEC.		WT/UNIT IN KGS		REMARKS		
GROUP: 1-0										SURFACE AREA IN Sq.m.:0.002		WT/ASSY IN Kgs:0.025				
FLAT										SCALE 1:1		SSE/D CHD		L.PANDURANGA RAO		
										ALT.		ALTD				
										DRN						
INDIAN RAILWAY STANDARDS										SHEET 1 OF 1		AAA10971		A3		
INTEGRAL COACH FACTORY, CHENNAI - 600038																
DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME												
10-04-2013		10-04-2013		10-04-2013												



1		2		3		4		5		6		7		8	
AAA10972				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS							
				▽▽ FINISH MACHINED		② BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE	
				▽▽▽ - 12 - 12 - VAC - 12		③ CHAMFERED		a				MATERIAL SPECIFICATION REVISED		23/01/22	
A															
B															
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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.

REF.DRG.NO.4 10113.0.20.095.138

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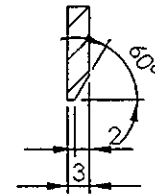
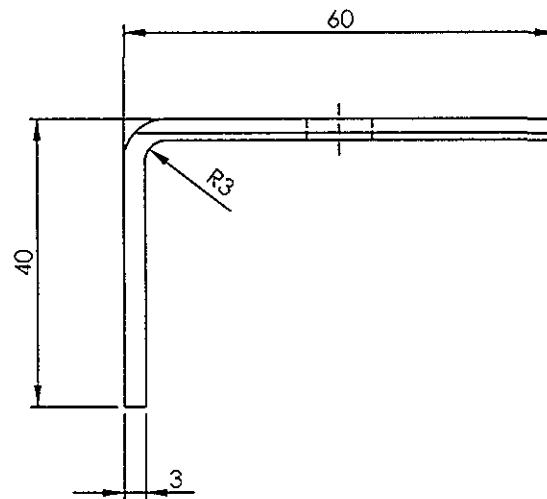
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1	GROUNDING FLAP	8x30x45	1		IS 6911 X04Cr19Ni9 (304 S1)	0.084	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0 Body Shell		SURFACE AREA IN Sq.m.:0.004		WT/ASSY IN Kgs:0.084			
GROUNDING FLAP					SCALE 2:1	SSE/D CHD	L. Panduranga Rao
					ALT. a	ALTD DRN	RAVI L. PANDURANGA RAO
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA10972		A3
25-08-2022		10-04-2013					
DATE OF LATEST ALT		DATE OF FIRST ISSUE		AME/SME			

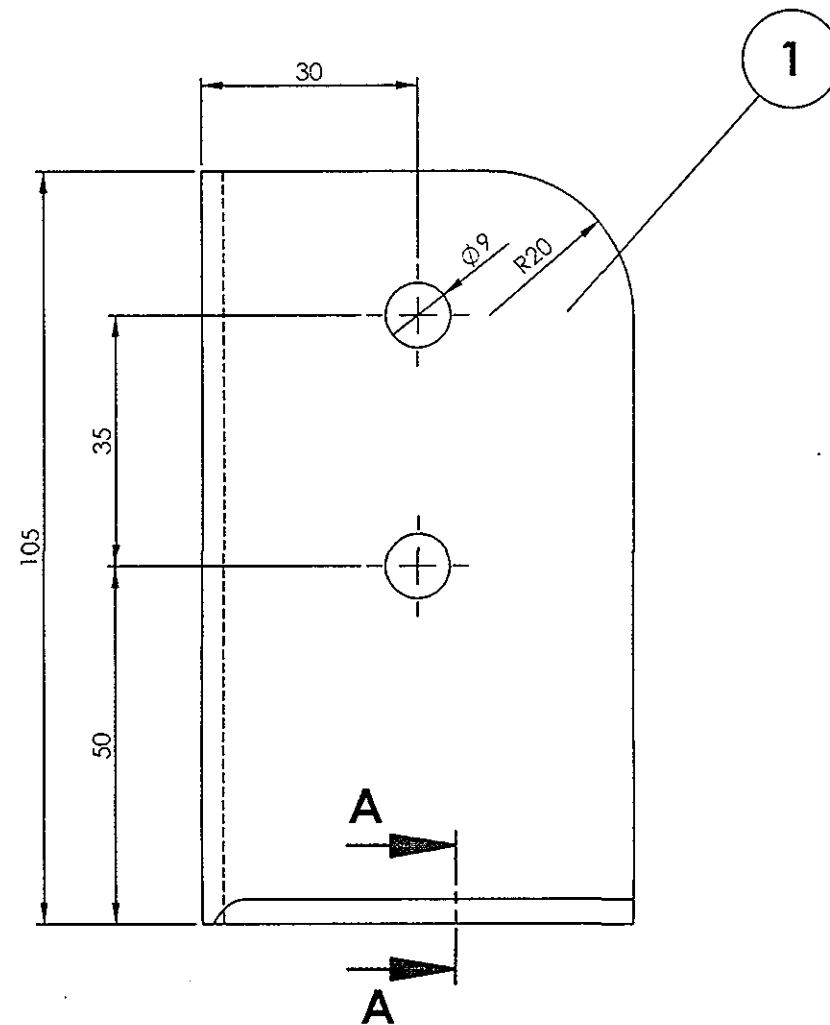
AAA10973

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



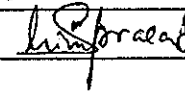
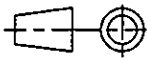
SECTION A-A



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICI/SHD 90001.  
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

REF.DRG.NO.3 10113.0.20.095.136

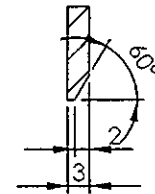
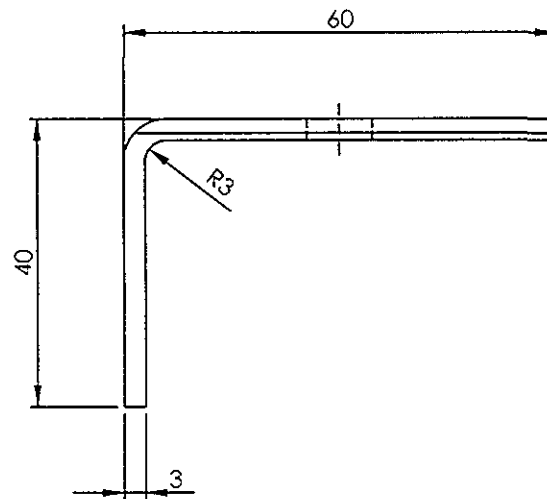
	10-04-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	ANGLE	3x94x105	1		RDSO/SPEC C-K201 X2CrNi12	0.233	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:0.021			WT/ASSY IN Kgs:0.233		
ANGLE					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	
						DRN	L.PANDURANGA RAO
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
					AAA10973		A3
INTEGRAL COACH FACTORY, CHENNAI - 600038							

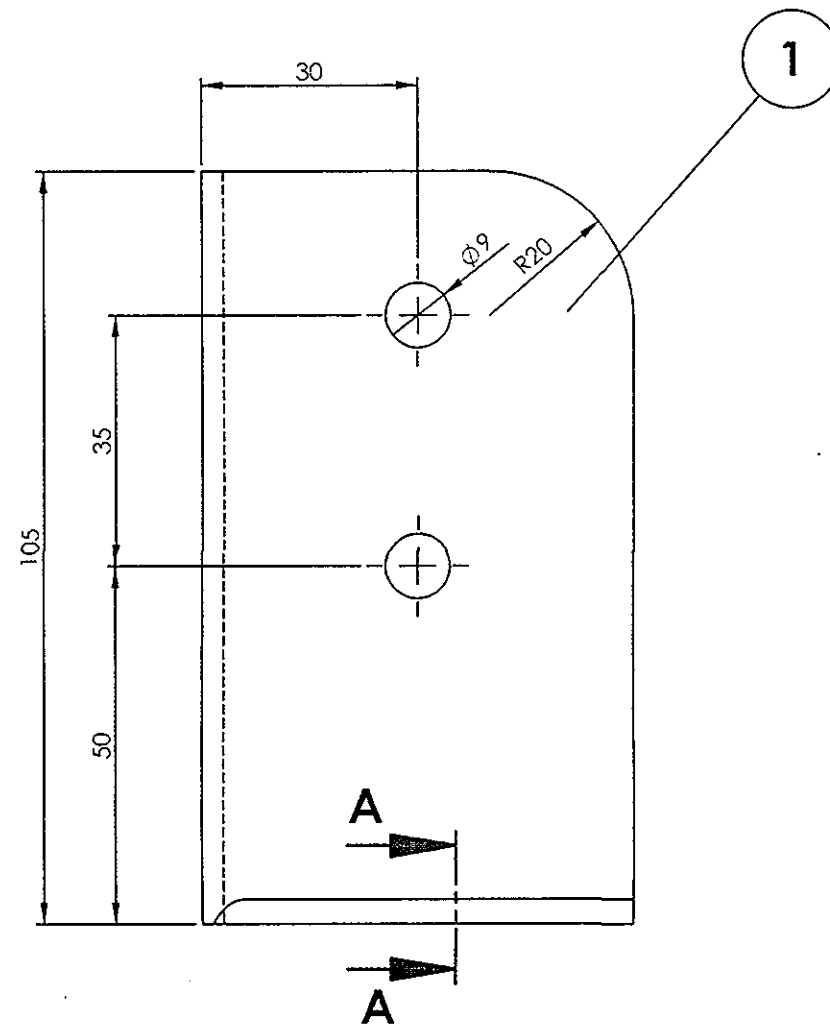
AAA10973

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



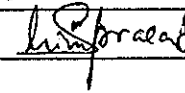
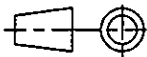

SECTION A-A



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICI/SHD 90001.  
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

REF.DRG.NO.3 10113.0.20.095.136

	10-04-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	ANGLE	3x94x105	1		RDSO/SPEC C-K201 X2CrNi12	0.233	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:0.021			WT/ASSY IN Kgs:0.233		
ANGLE					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	
						DRN	L.PANDURANGA RAO
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1	AAA10973		A3

1		2		3		4		5		6		7		8	
AAA10974				▽ ROUGH MACHINED		⊖ ROUGH CLEANED		REVISIONS							
				▽ FINISH MACHINED		⊖ BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE	
				▽▽ FINE FINISH MACHINED		⊖ CHAMFERED									

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO IC1/STD 9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813:1986.

1	WEB	3x32x52	1		RDSO/SPEC C-K201 X2CrNi12	0.024	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:0.002		WT/ASSY IN Kgs:0.024			
WEB					SCALE 1:1	SSE/D	<i>L.Panduranga Rao</i>
						CHD	
					ALT.	ALTD	
						DRN	L.PANDURANGA RAO
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038							
DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME		AAA10974	
		10-04-2013		<i>[Signature]</i>		A3	

REF.DRG.NO.4 10113.0.20.095.135

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▽ ROUGH MACHINED	③ ROUGH CLEANED	REVISIONS		
▽▽ FINISH MACHINED	④ BURRS REMOVED	ALT.	ZONE	APPROVED & DATE
▽▽▽ FINE FINISH MACHINED	⑧ CHAMFERED			

1		2		3		4		5		6		7		8	
AAA10974				▽ ROUGH MACHINED		⊖ ROUGH CLEANED		REVISIONS							
				▽ FINISH MACHINED		⊖ BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE	
				▽▽ FINE FINISH MACHINED		⊖ CHAMFERED									

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO IC1/STD 9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

1	WEB	3x32x52	1		RDSO/SPEC C-K201 X2CrNi12	0.024	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:0.002		WT/ASSY IN Kgs:0.024			
WEB					SCALE	SSE/D	<i>L. Panduranga Rao</i>
					1:1	CHD	
					ALT.	ALTD	
						DRN	L.PANDURANGA RAO
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1		
REF.DRG.NO.4 10113.0.20.095.135		10-04-2013	<i>(Signature)</i>				
DATE OF LATEST ALT.		DATE OF FIRST ISSUE	AME/SME				

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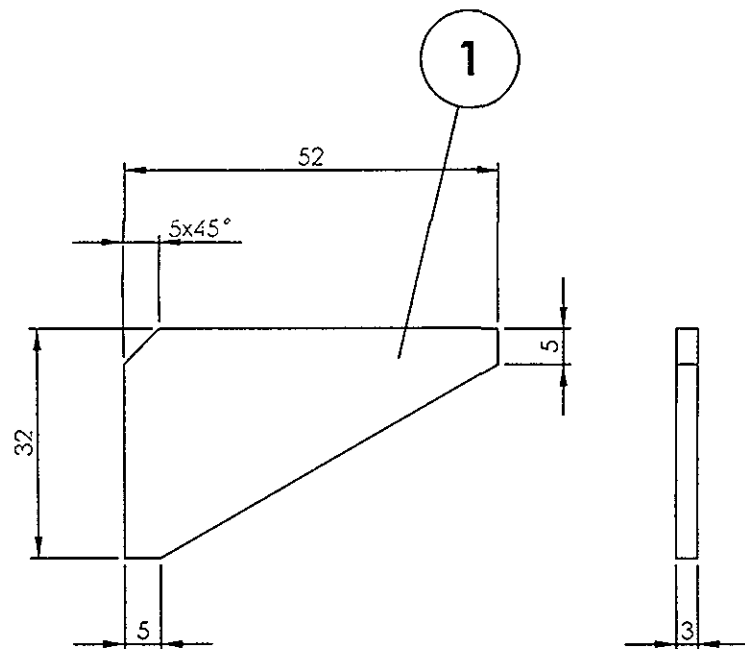
AAA10974


A3

10-04-2013

10-04-2013

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



1	WEB	3x32x52	1		RDSO/SPEC C- K201 X2CrNi12	0.024	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:0.002			WT/ASSY IN Kgs:0.024		
WEB					SCALE	SSE/D	<i>L. Panduranga Rao</i>
					1:1	CHD	
					ALT.	ALTD	
						DRN	L.PANDURANGA RAO
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA10974		A3

AAA10975

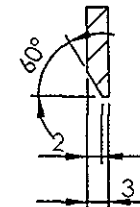
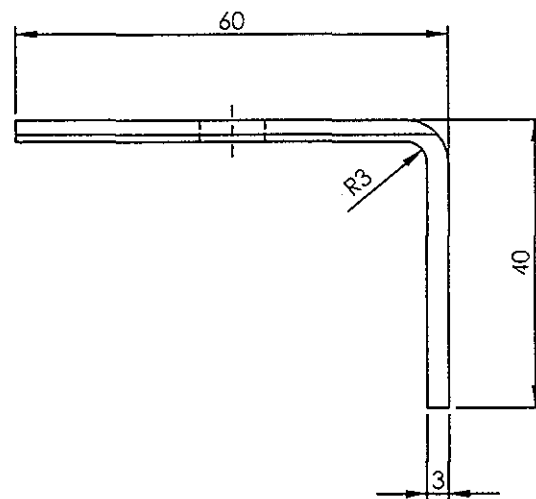
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

## REVISIONS

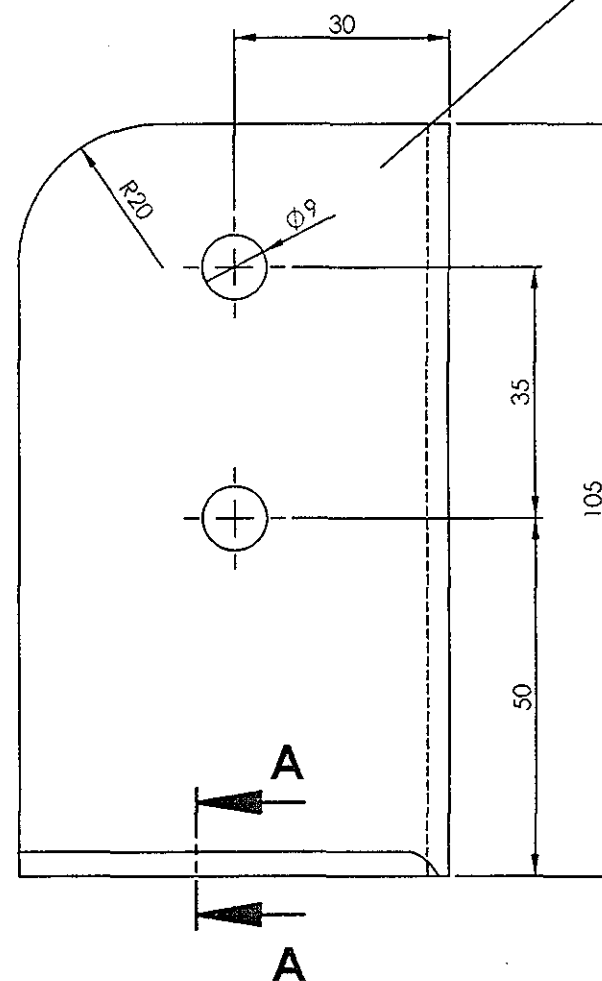
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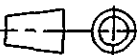
ZONE

DESCRIPTION

APPROVED &  
DATE

SECTION A-A



1	ANGLE	3x94x105	1		RDSO/SPEC C-K201 X2CrNi12	0.233	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:0.021			WT/ASSY IN Kgs:0.233		
ANGLE					SCALE	SSE/D	<i>Indrapal ad</i>
					1:1	CHD	
					ALT.	ALTD	
						DRN	L.PANDURANGA RAO
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA10975		A3

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

REF.DRG.NO.3 10113.0.20.095.134

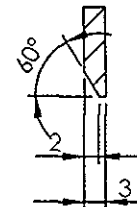
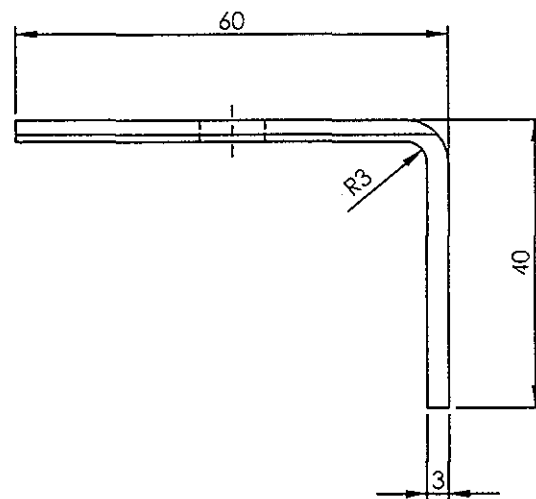


AAA10975

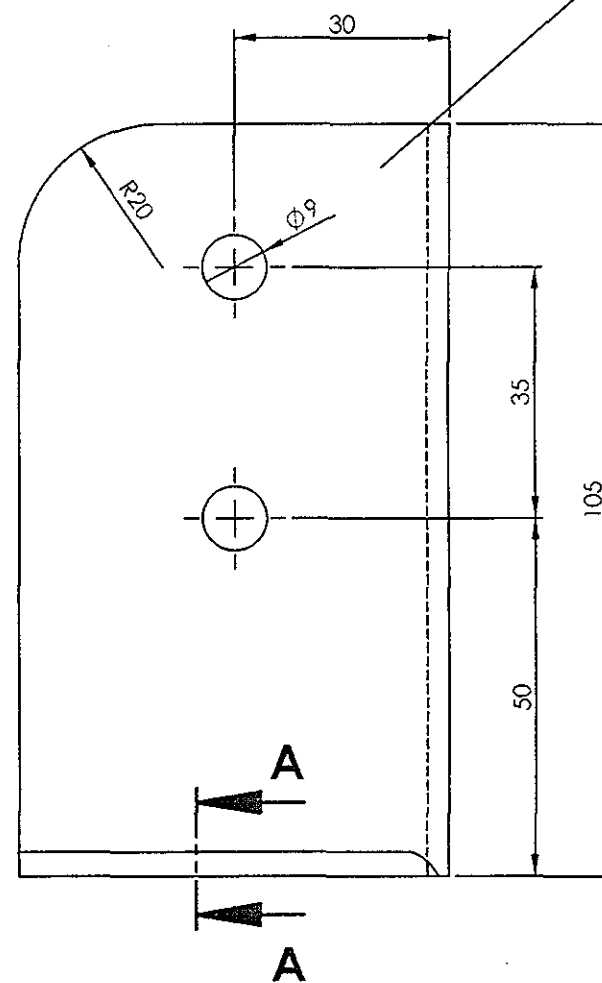
▽ ROUGH MACHINED	② ROUGH CLEANED
▽▽ FINISH MACHINED	③ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	④ CHAMFERED

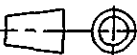
## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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SECTION A-A



1	ANGLE	3x94x105	1		RDSO/SPEC C-K201 X2CrNi12	0.233	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:0.021			WT/ASSY IN Kgs:0.233		
ANGLE					SCALE	SSE/D	<i>Indrapal ad</i>
					1:1	CHD	
					ALT.	ALTD	
						DRN	L.PANDURANGA RAO
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA10975		A3

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

REF.DRG.NO.3 10113.0.20.095.134

AAA15180

▽ ROUGH MACHINED

⊙ ROUGH CLEANED

▽▽ FINISH MACHINED

⊙ BURRS REMOVED

▽▽▽ FINE FINISH MACHINED

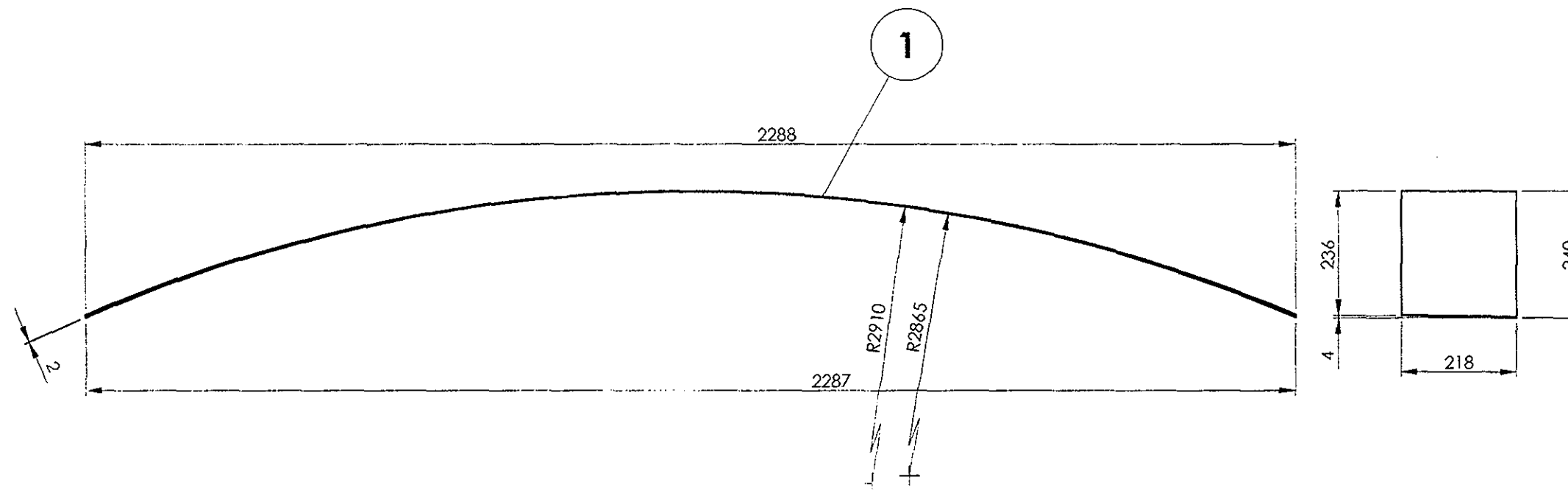
⊙ CHAMFERED

REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &  
DATE

1	COVERING SHEET	2x218x2353	1		RDSO/SPEC C-K201 X2CrNi12	8.203	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:1035418.877			WT/ASSY IN Kgs:8.203		
COVERING SHEET					SCALE	SSE/D	
					1:20	CHD	
					ALT.	ALTD	
					DRN	D.MOSES & T J K VELU	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038						SHEET 1 OF 1	
				AAA15180		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.

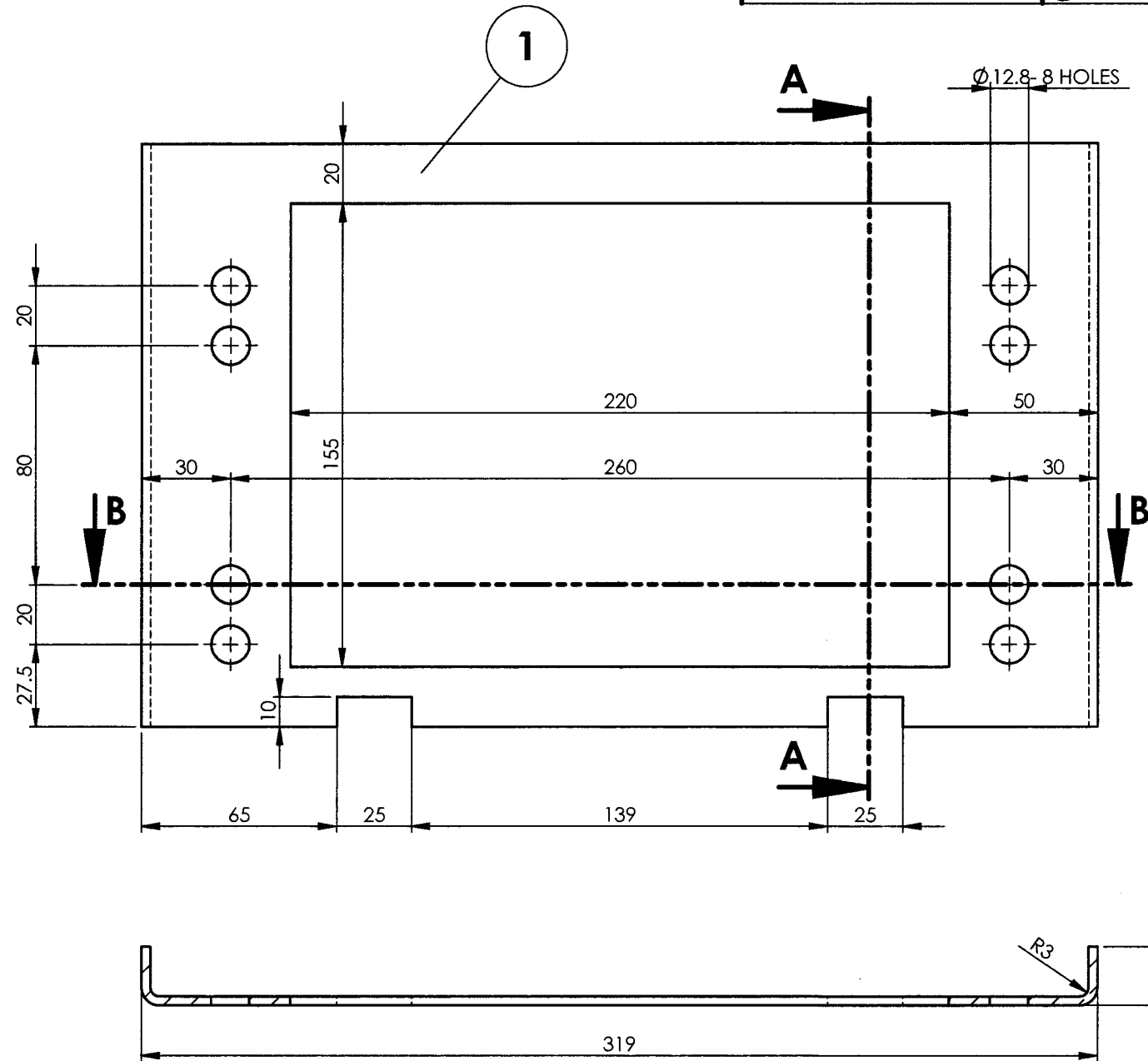
REF.DRG.NO.

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

AAA15181

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERAIL SPEC UPDATED	-sd-
b		HOLE CENTRE TO CENTRE LOCATING DIMENSION ADDED.	-sd-
c		DIMENSION FOR CUTAWAYS ADDED.	sh



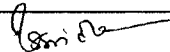
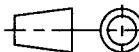
SECTION A-A

SECTION B-B

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

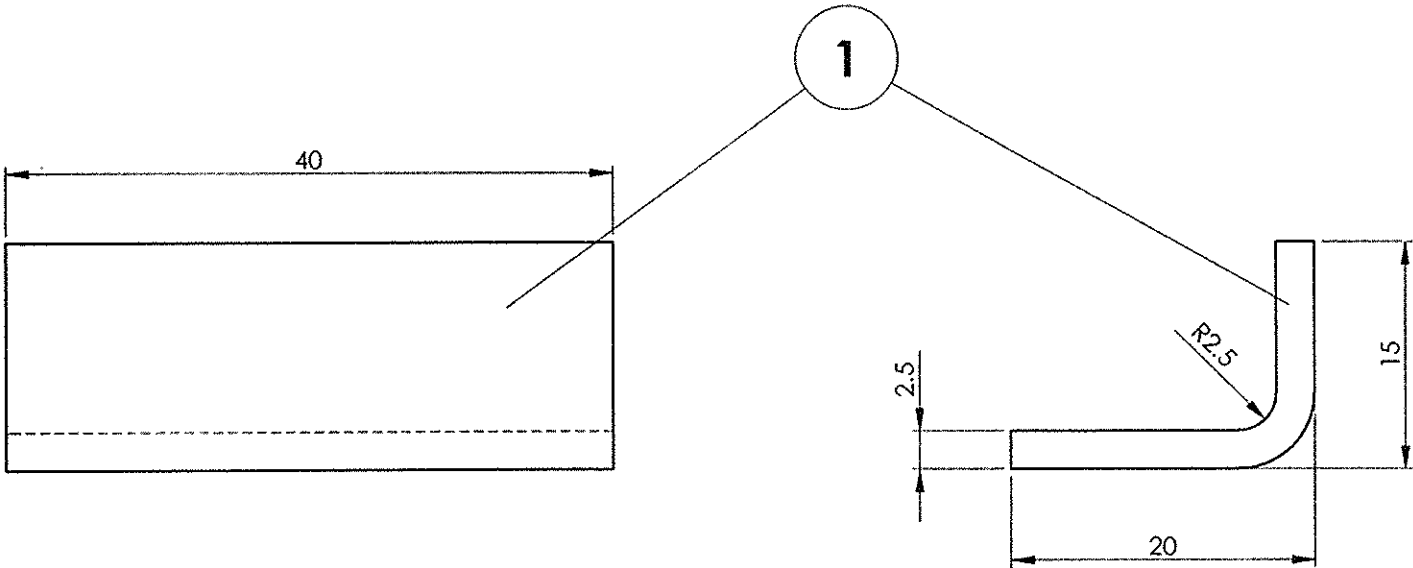
02-09-2021	24-12-2009	sh
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	BRACKET	3x195x348.5	1		RDSO/SPEC C- K201 X2CrNi12	0.776	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.071			WT/ASSY IN Kgs:		
BRACKET					SCALE	SSE/D	
					1:2	CHD	
					ALT.	ALTD	MURUGAN P
					c	DRN	D.MOSES
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1	AAA15181	
						A3	

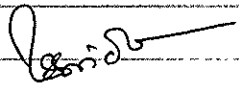
AAA15193

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		R.M.SIZE ALTD. FROM 2.5x35.2x40 TO 2.5x30x40 AND MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	 30/5



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

1	STOP	2.5x30x40	1		RDSO/SPEC C-K201 X2CrNi12	0.025	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.003			WT/ASSY IN Kgs:0.028		
STOP					SCALE 2:1	SSE/D CHD	
					ALT. a	ALTD	
						DRN	D.MOSES & T J K VELU.
					INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038		
					AAA15193		A3

AAA15197

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

① ROUGH CLEANED  
①① BURRS REMOVED  
①① CHAMFERED

## REVISIONS

ALT.

ZONE

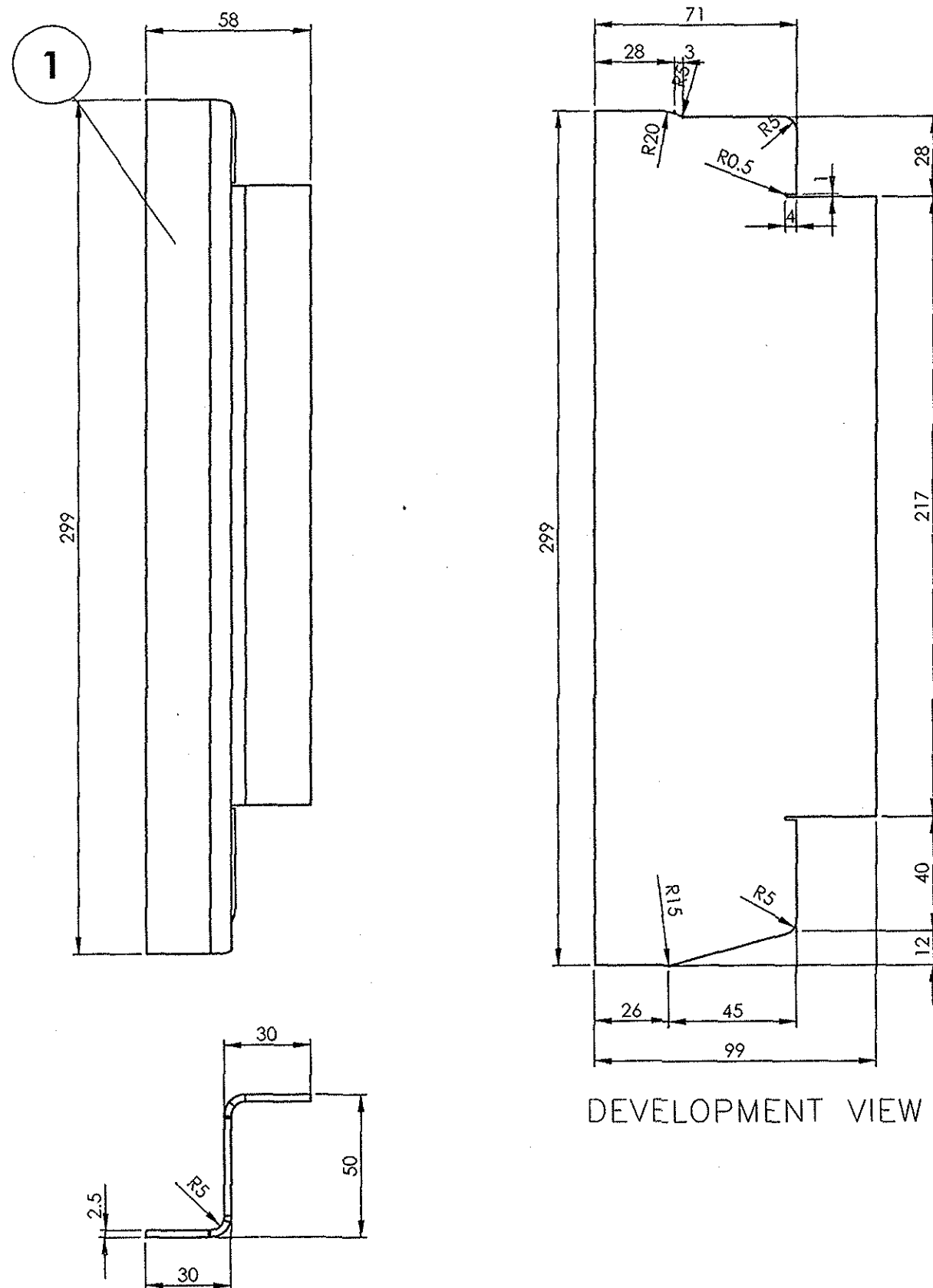
DESCRIPTION

APPROVED &  
DATE

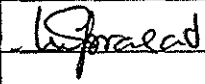

a

MATERIAL SPEC REVISED.

A 19/



DEVELOPMENT VIEW

1	WEB	2.5x99x299	1		RDSO/SPEC C-K201 X2CrNi12	0.545	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.056			WT/ASSY IN Kgs:0.539		
WEB					SCALE	SSE/D	
					1:2	CHD	
					ALT.	ALTD	M.S.NETHAJI
					a	DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA15197		A3

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS 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.

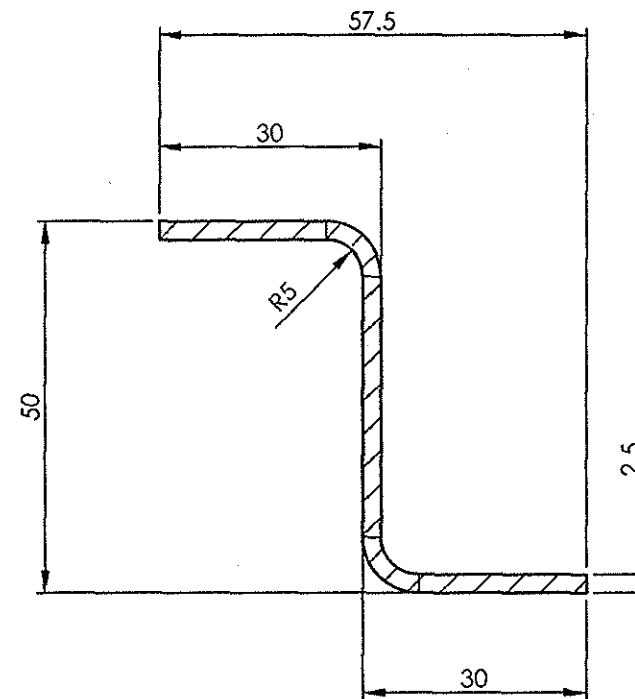
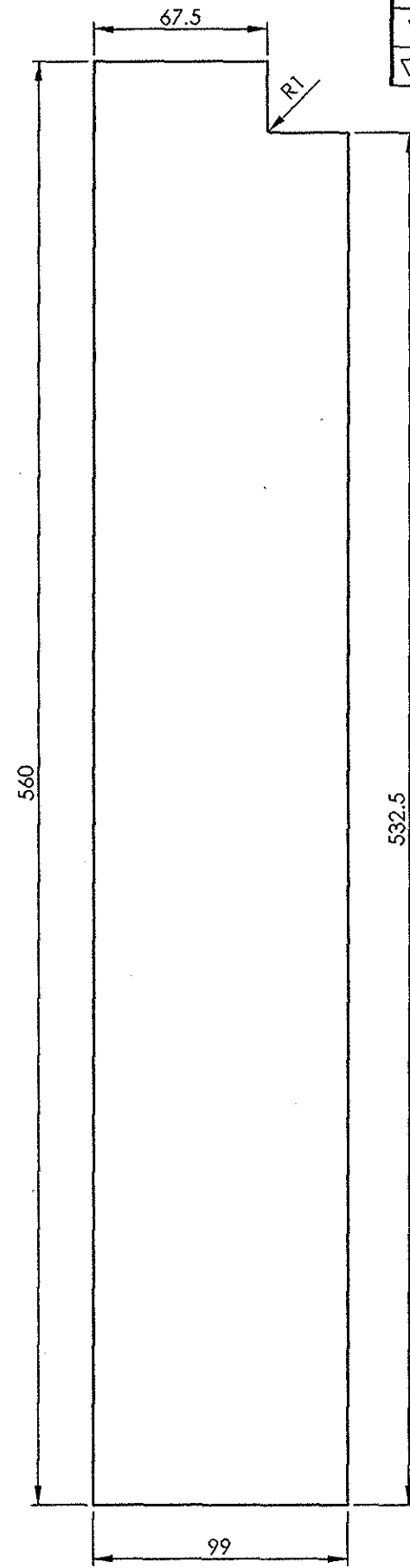
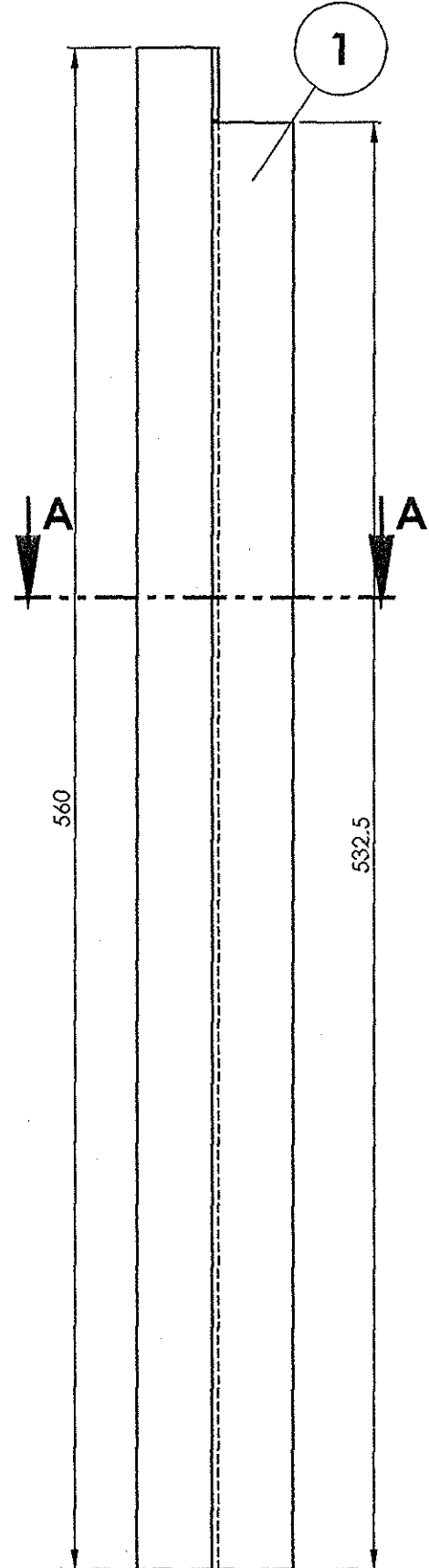
AAA15198

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


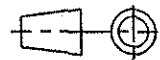
## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC REVISED.	19/1

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS 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

DEVELOPED VIEW

1	FLANGE	2.5x99x560	1		RDSO/SPEC C-K201 X2CrNi12	1.099		
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.113			WT/ASSY IN Kgs: 1.093			
FLANGE					SCALE	SSE/D		
					1:2.5	CHD		
					ALT. a	ALTD	M.S.NETHAJI	
						DRN	D.MOSES & T J K VELU	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1				
					AAA15198		A3	

19-02-2016	26-02-2010	18.2
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	SME



AAA15199

▽ ROUGH MACHINED

① ROUGH CLEANED

▽▽ FINISH MACHINED

①b BURRS REMOVED

▽▽▽ FINE FINISH MACHINED

①8 CHAMFERED

## REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &  
DATE

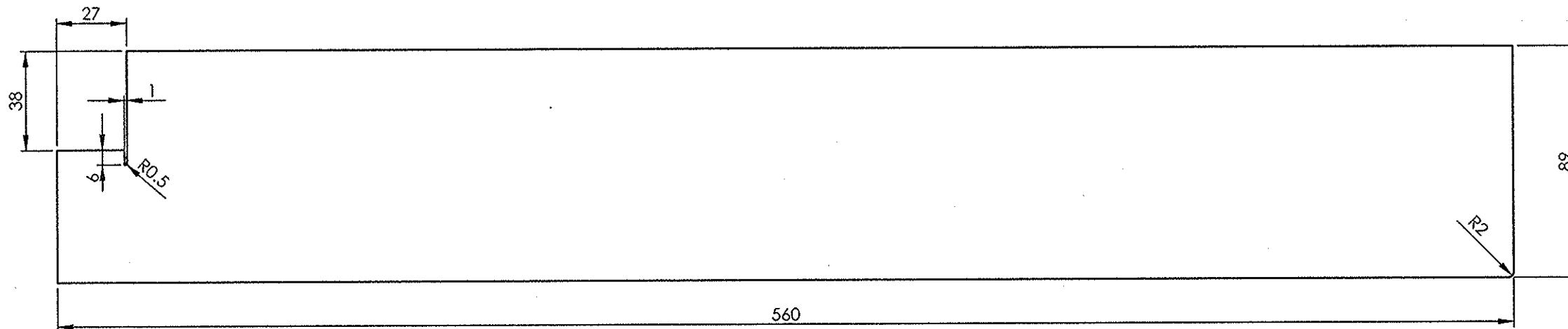
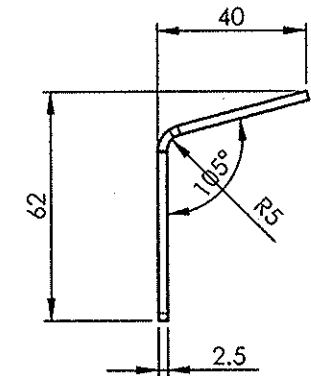
a

MATERIAL SPEC REVISED.

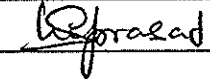

11/1

1

558



DEVELOPED VIEW

1	FLANGE	2.5x89x560	1		RDSO/SPEC C-K201 X2CrNi12	0.976		
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.101			WT/ASSY IN Kgs:0.978			
FLANGE					SCALE	SSE/D		
					1:2	CHD		
					ALT.	ALTD	M.S.NETHAJI	
					a	DRN	D.MOSES & T J K VELU	
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038								
					SHEET 1 OF 1		AAA15199	A3

19-02-2016

DATE OF LATEST ALT.

26-02-2010

DATE OF FIRST ISSUE

SME

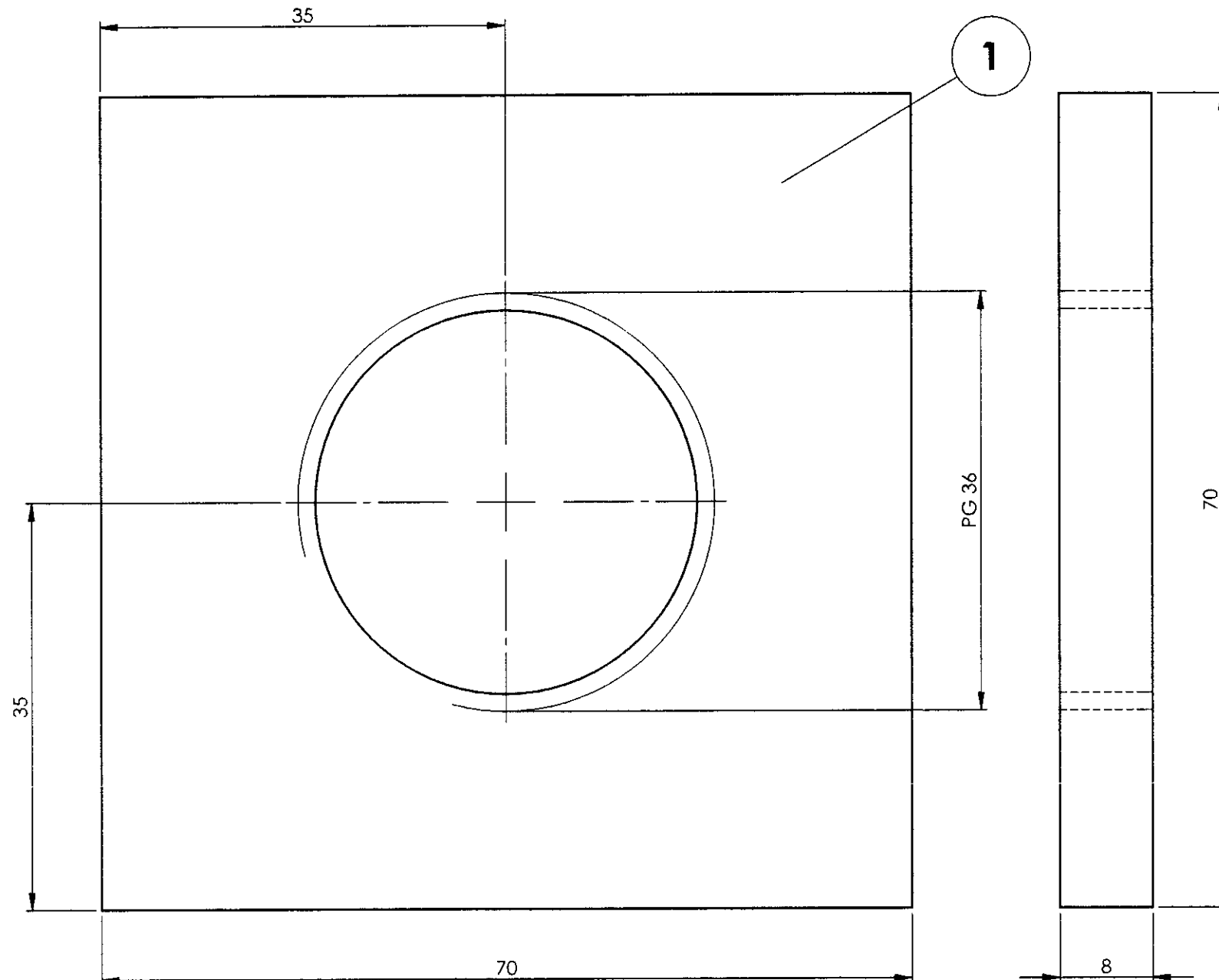
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

AAA15203

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

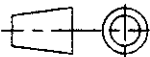
## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	
b		TAPPED HOLE SIZE CORRECTED FROM M36X3.0 T PG 36 AND MATERIAL SPEC. REVISED FROM RDSO/SPEC.C-K201 X2 CrNi12 TO RDSO/SPEC C-K201 X5 CrNi1810	
c		NOTE 1 ADDED	✓ 04/7/23



## NOTE:

1. ALTERNATIVELY IS 6911 X04Cr19Ni9 (OR) ASTM A240 S30400 MAY BE USED IN LIEU OF RDSO/SPEC C-K201 X5Cr Ni 18 10 FOR ITEM 1.

1	PLATE	8x70x70	1		RDSO SPEC C- K201 X5 Cr Ni 18 10	0.212	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.011			WT/ASSY IN Kgs:0.259		
PLATE					SCALE	SSE/D	<i>L. Panduranga R</i>
					2:1	CHD	
					ALT.	ALTD	MAHESHBABU
					c	DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA15203		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.

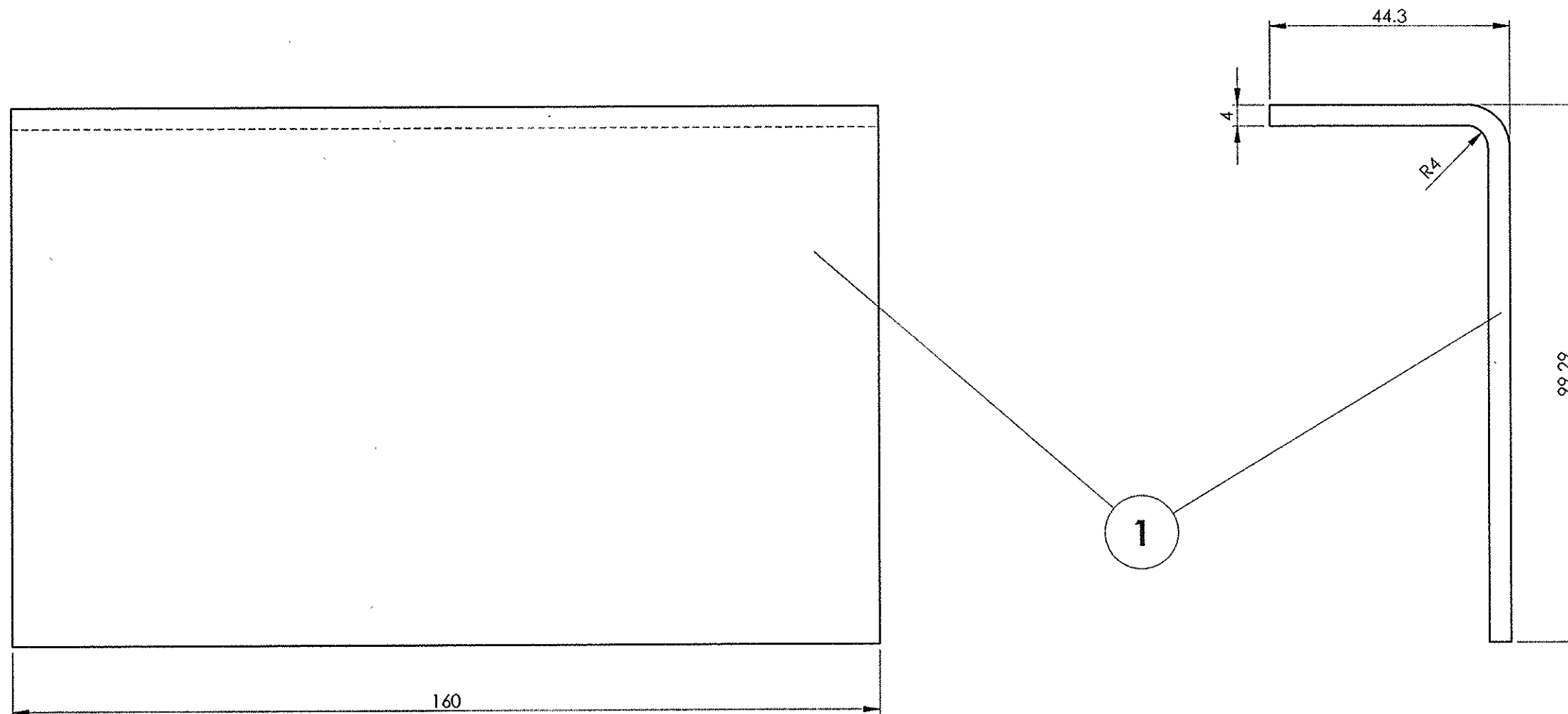
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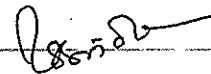

04/7/23		✓ 04/7/23
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAA15204

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		SECTION A-A DELETED AND MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	 2/15



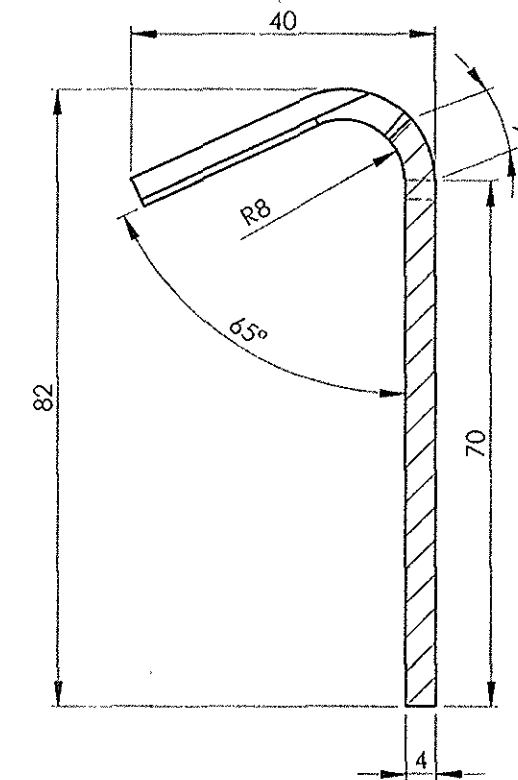
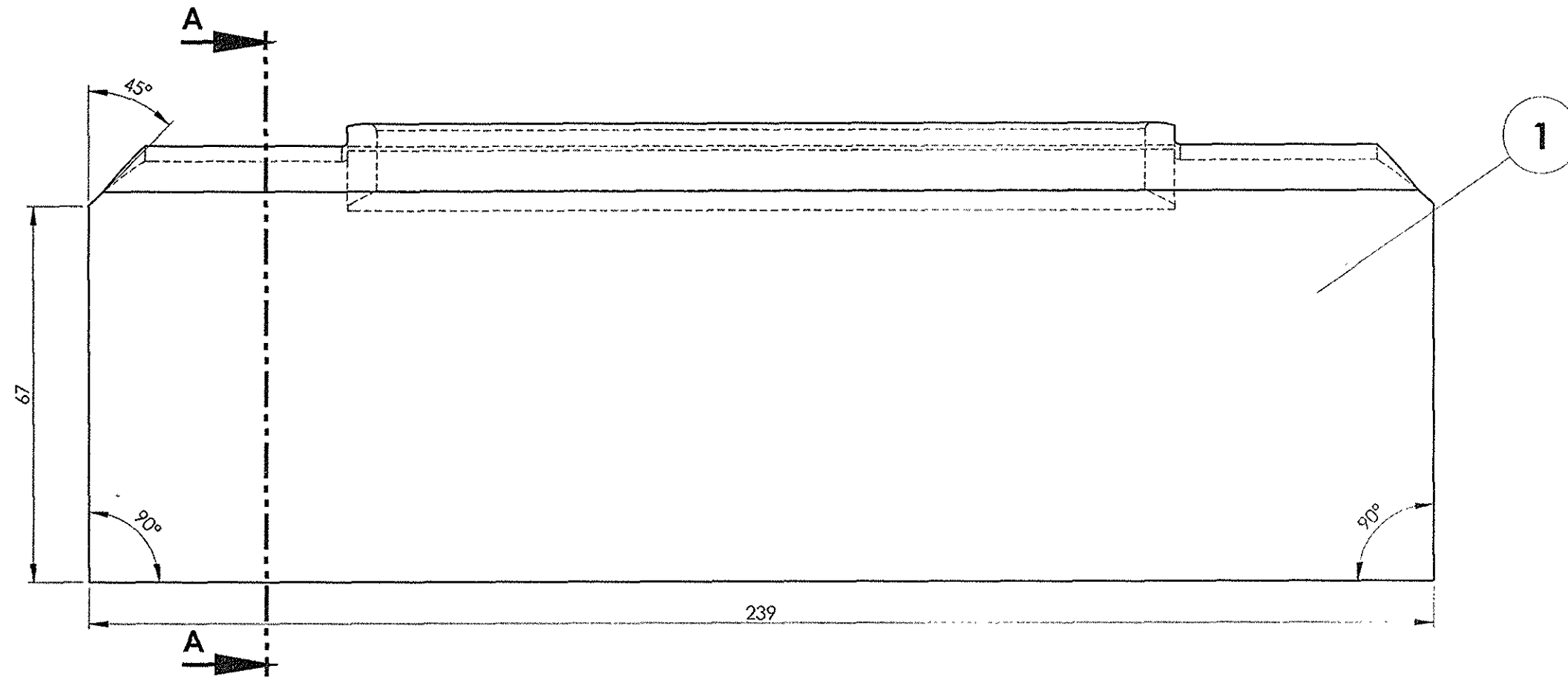
1	BRACKET	4x137.3x160	1		RDSO/SPEC C-K201 X2CrNi12	0.701	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.046			WT/ASSY IN Kgs:0.701		
BRACKET					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	B.SARAVANAN
					a	DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1	AAA15204		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.

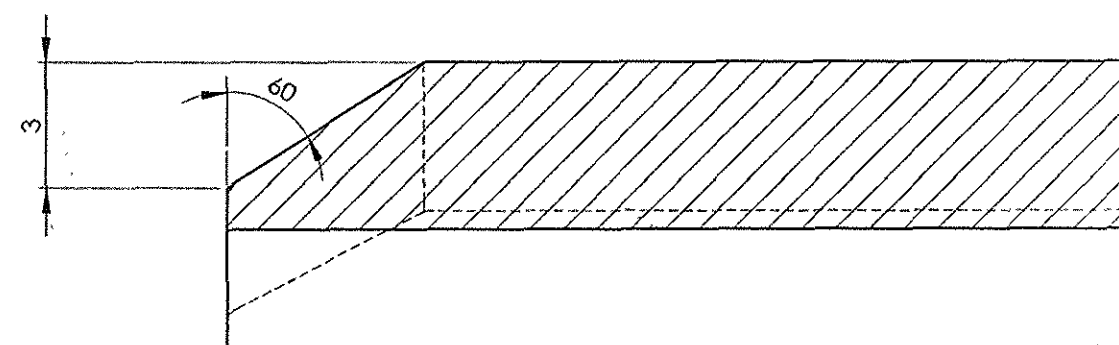
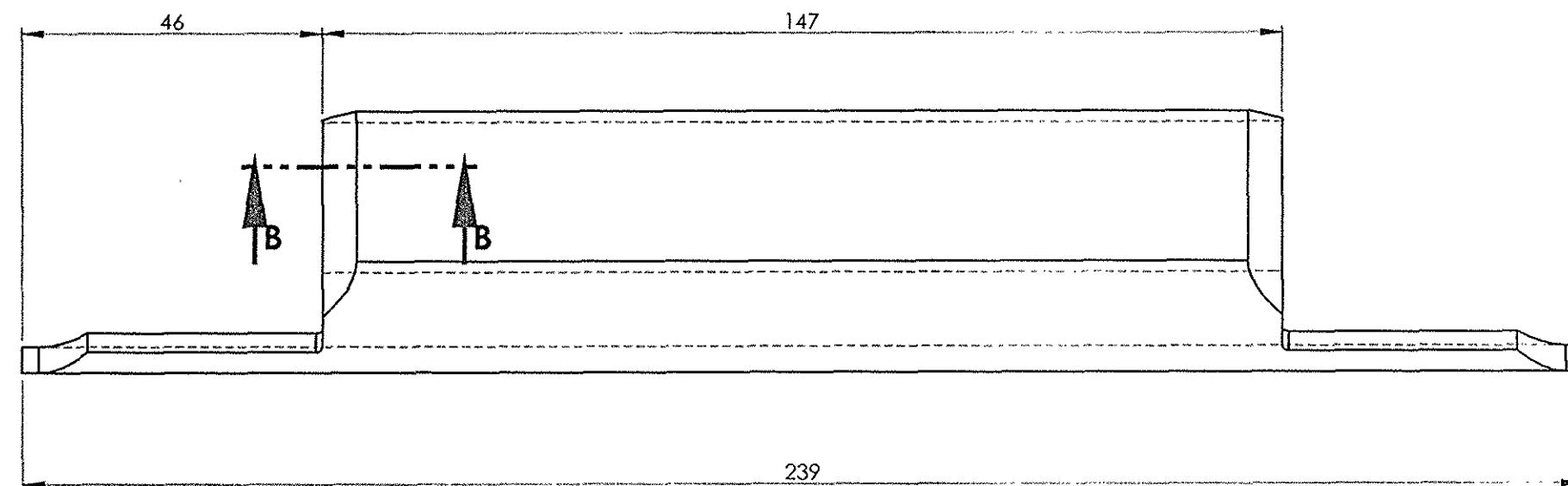
REF.DRG.NO.

AAA15205

▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS			APPROVED & DATE
▽▽ FINISH MACHINED		② BURRS REMOVED		ALT.	ZONE	DESCRIPTION	
▽▽▽ FINE FINISH MACHINED		③ CHAMFERED		a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	



SECTION A-A



SECTION B-B  
SCALE 5 : 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.

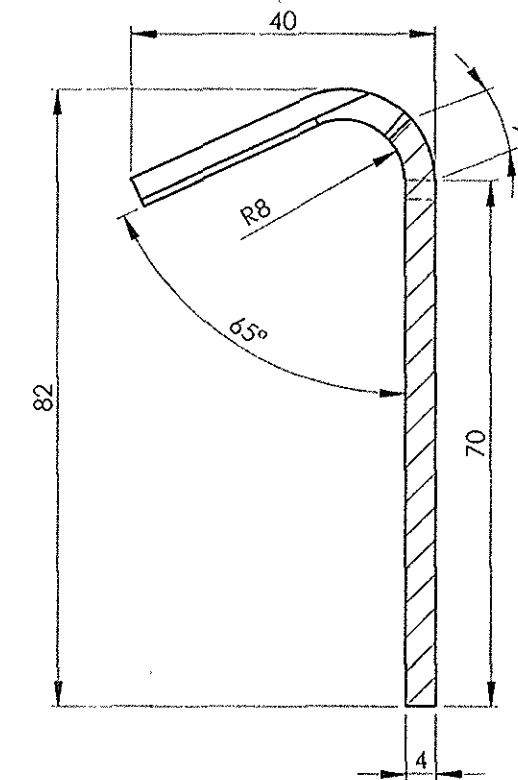
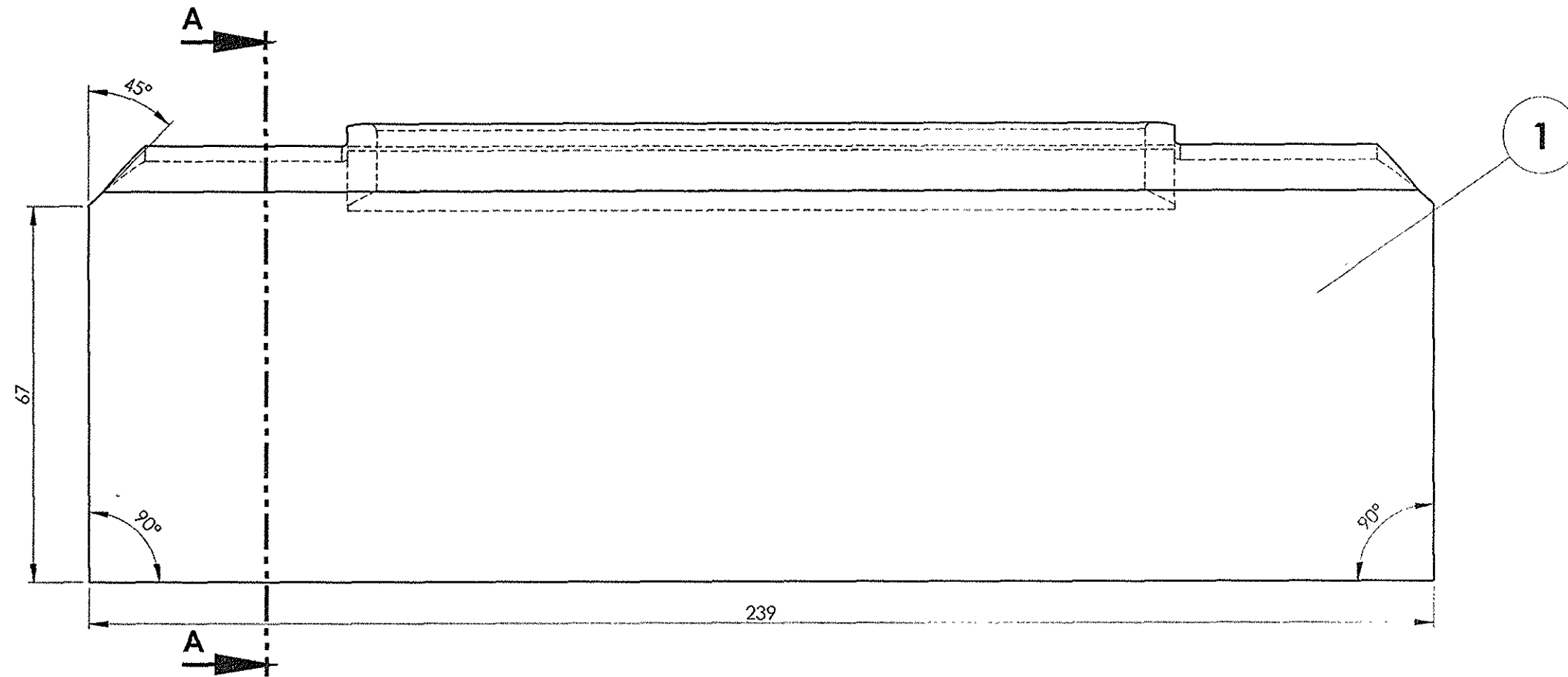
REF.DRG.NO.

-05-2013	24-12-2009	AME/SME
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	

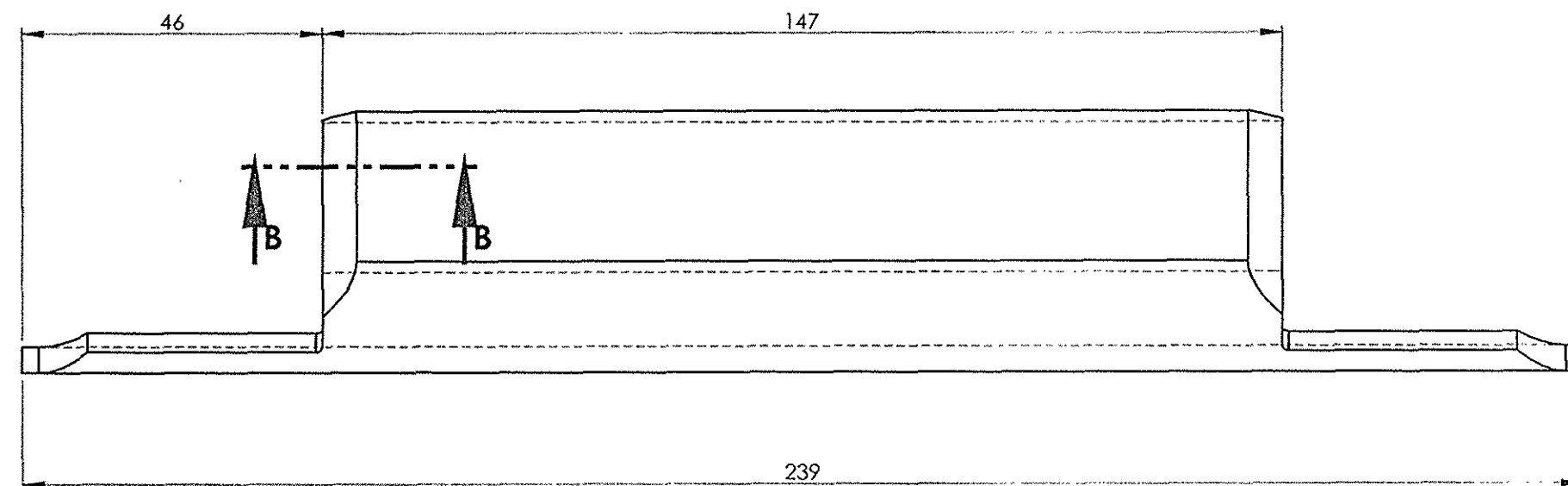
1	REINFORCEMENT	4x115.3x239	1		RDSO/SPEC C-K201 X2CrNi12	0.761	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5				SURFACE AREA IN Sq.m.:0.050		WT/ASSY IN Kgs:0.761	
REINFORCEMENT					SCALE 1:1	SSE/D	
					ALT a	CHD	
						ALTD	B.SARAVANAN
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038						DRN	D.MOSES & T J K VELU
					SHEET 1 OF 1	AAA15205	
						A2	

AAA15205

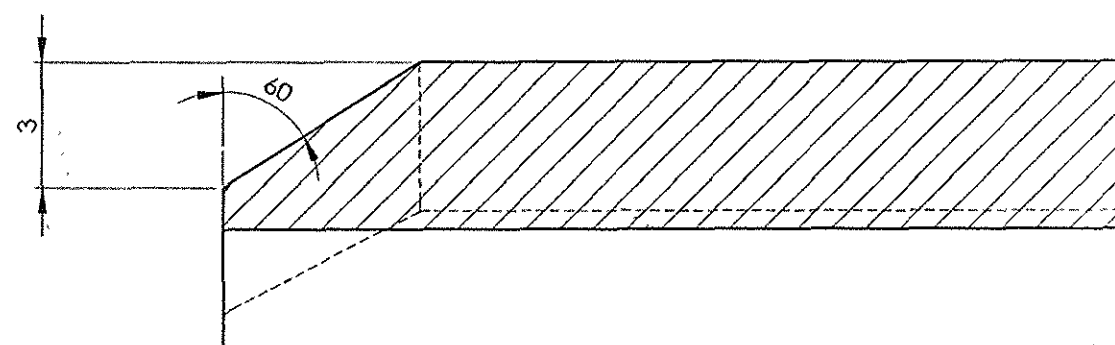
7		8		9			10			11
▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS						
▽▽ FINISH MACHINED		② BURRS REMOVED		ALT.	ZONE	DESCRIPTION	APPROVED & DATE			
▽▽▽ FINE FINISH MACHINED		③ CHAMFERED		a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	30/06			


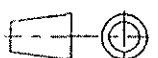


SECTION A-A



SECTION B-B  
SCALE 5 : 1



1	REINFORCEMENT	4x115.3x239	1		RDSO/SPEC C-K201 X2CrNi12	0.761		
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5			SURFACE AREA IN Sq.m.: 0.050		WT/ASSY IN Kgs: 0.761			
REINFORCEMENT					SCALE 1:1	SSE/D		
						CHD		
					ALT a	ALTD	B.SARAVANAN	
						DRN	D.MOSES & T J K VELU	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038								
					SHEET 1 OF 1	AAA15205		
							A2	


-05-2013	24-12-2009	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

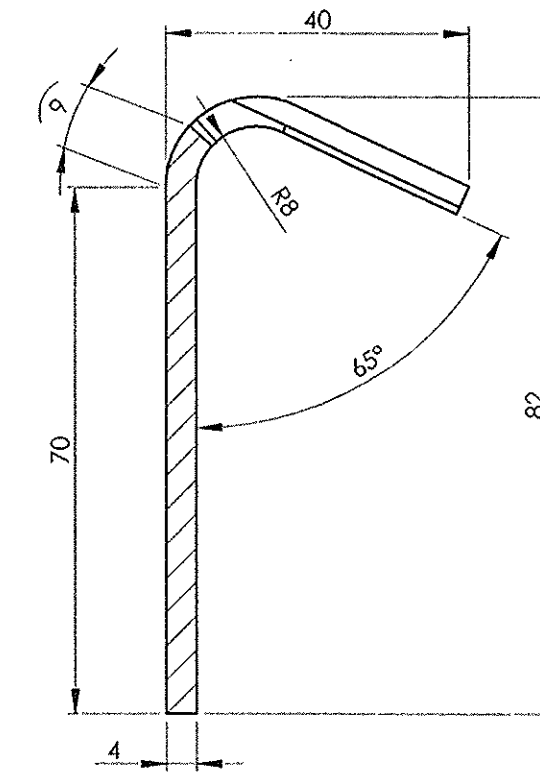
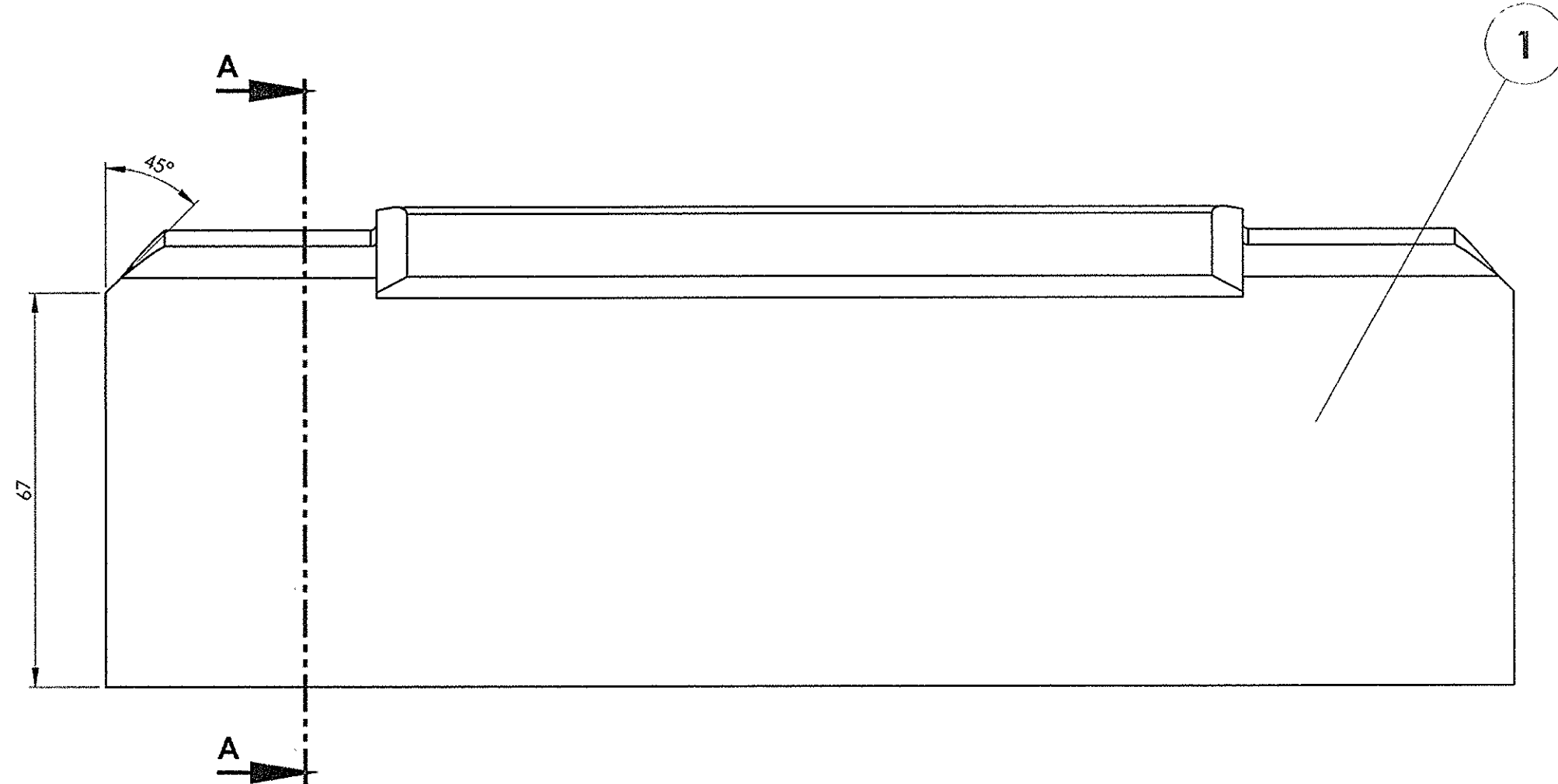
REF.DRG.NO.

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.

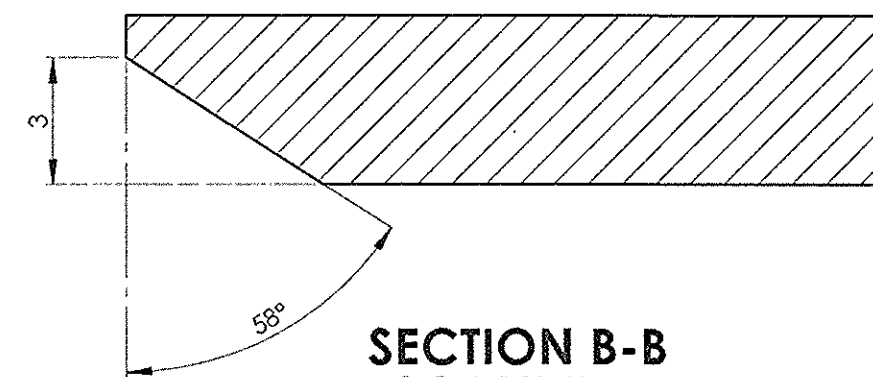
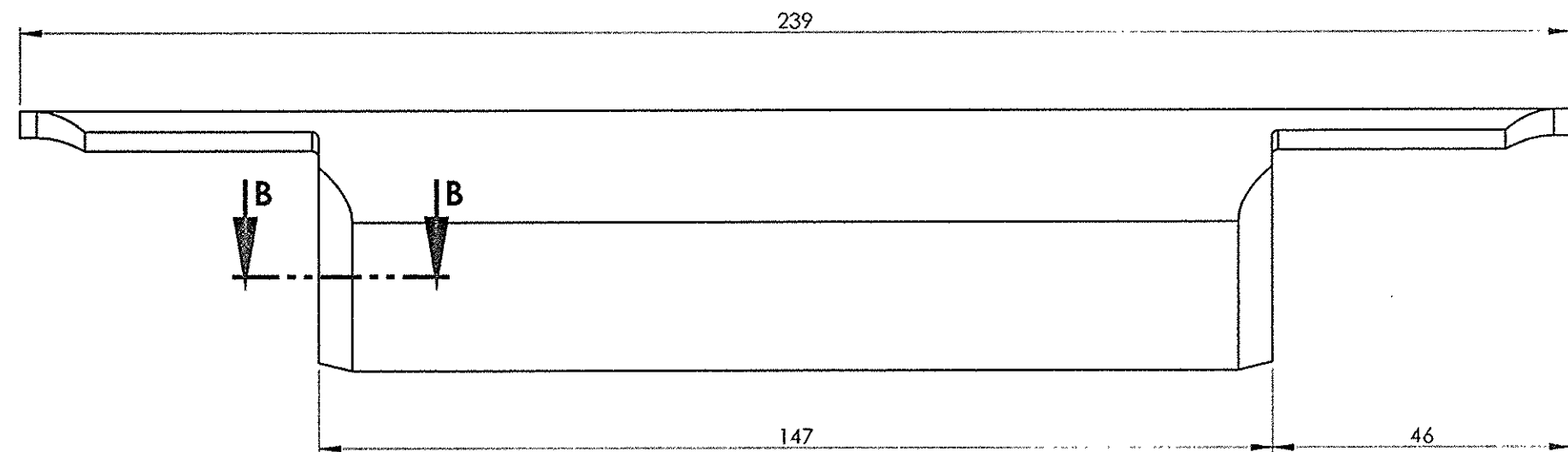
AAA15206

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	

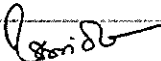



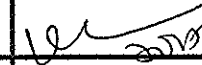
SECTION A-A



SECTION B-B  
SCALE 5 : 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.

1	REINFORCEMENT	4x115.3x239	1		RDSO/SPEC C-K201 X2CrNi12	0.761	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5			SURFACE AREA IN Sq.m.: 0.050			WT/ASSY IN Kgs: 0.761	
REINFORCEMENT					SCALE 1:1	SSE/D	
						CHD	
					ALT a	ALTD	B.SARAVANAN
						DRN	D.MOSES
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1	AAA15206	A2

-05-2013	24-12-2009	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

REF.DRG.NO.



AAA15208

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

⊖ ROUGH CLEANED

⊖ BURRS REMOVED

⊖ CHAMFERED

## REVISIONS

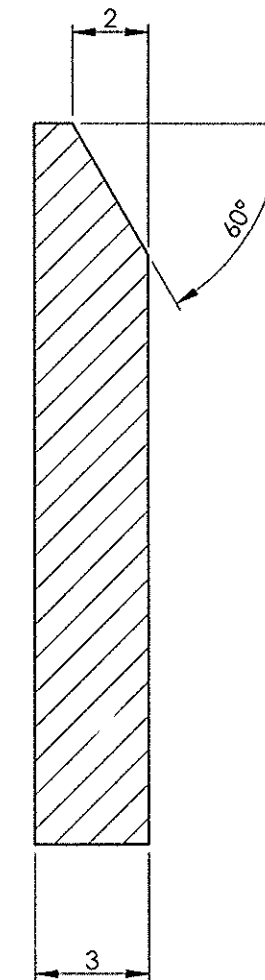
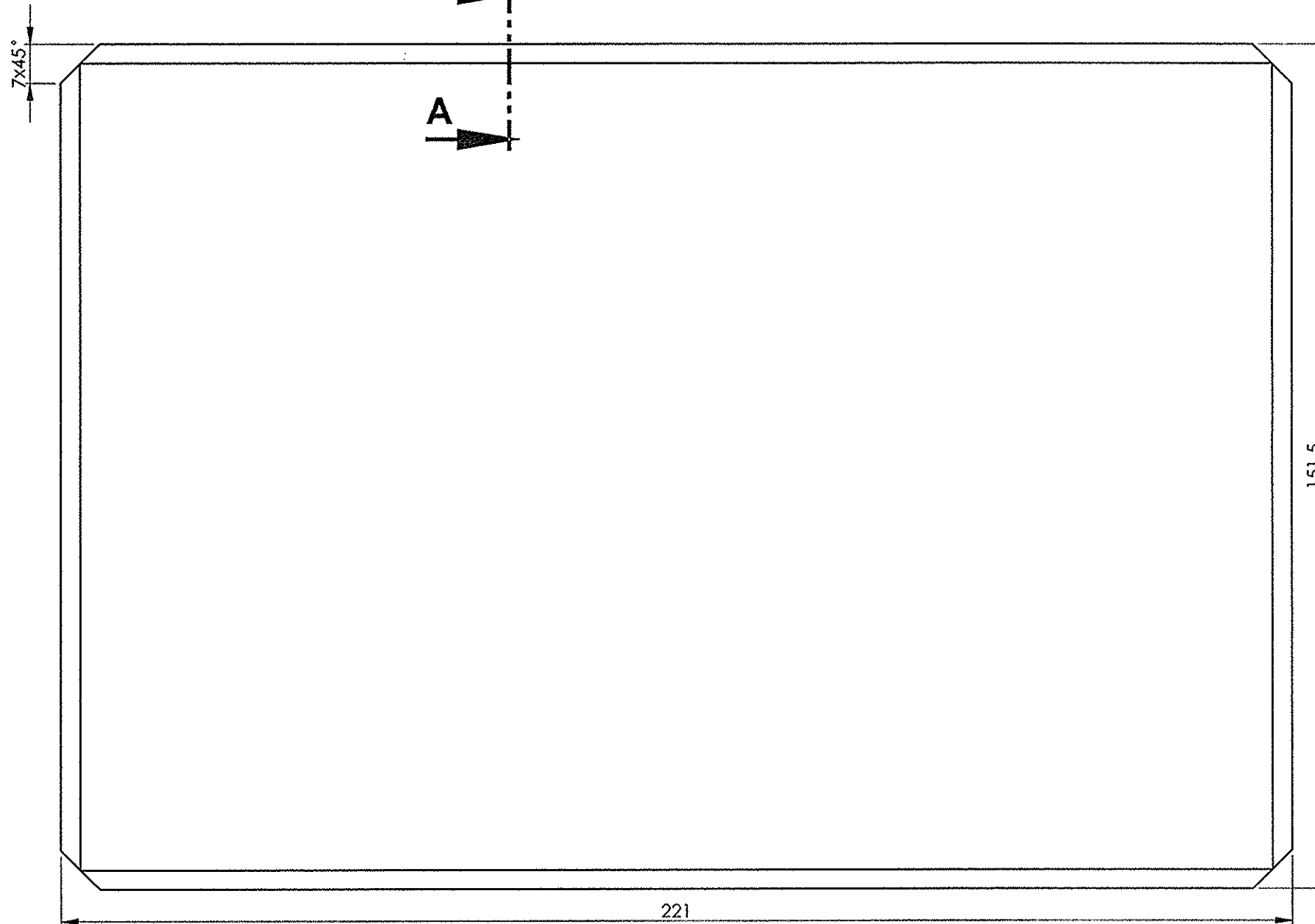
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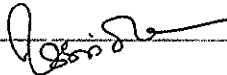
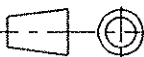
ZONE

DESCRIPTION

APPROVED &  
DATE

a

MATERIAL SPEC. ALTD. FROM SS-409M TO  
RDSO/SPEC. C-K201 X2CrNi12SECTION A-A  
SCALE 5 : 1

1	WEB	3x151.5x221	1		RDSO/SPEC C-K201 X2CrNi12	0.782					
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS				
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.068			WT/ASSY IN Kgs:0.782						
WEB					SCALE 1:1	SSE/D CHD					
					ALT. a	ALTD DRN		B.SARAVANAN D.MOSES & T J K VELU			
											
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		AAA15208				
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.  
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

REF.DRG.NO.

AAA15208

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

⊖ ROUGH CLEANED

⊖ BURRS REMOVED

⊖ CHAMFERED

## REVISIONS

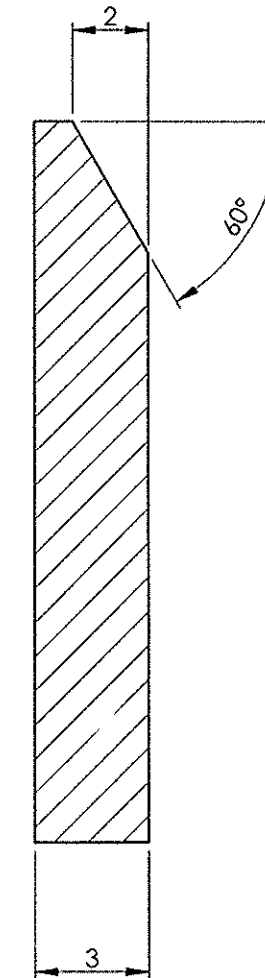
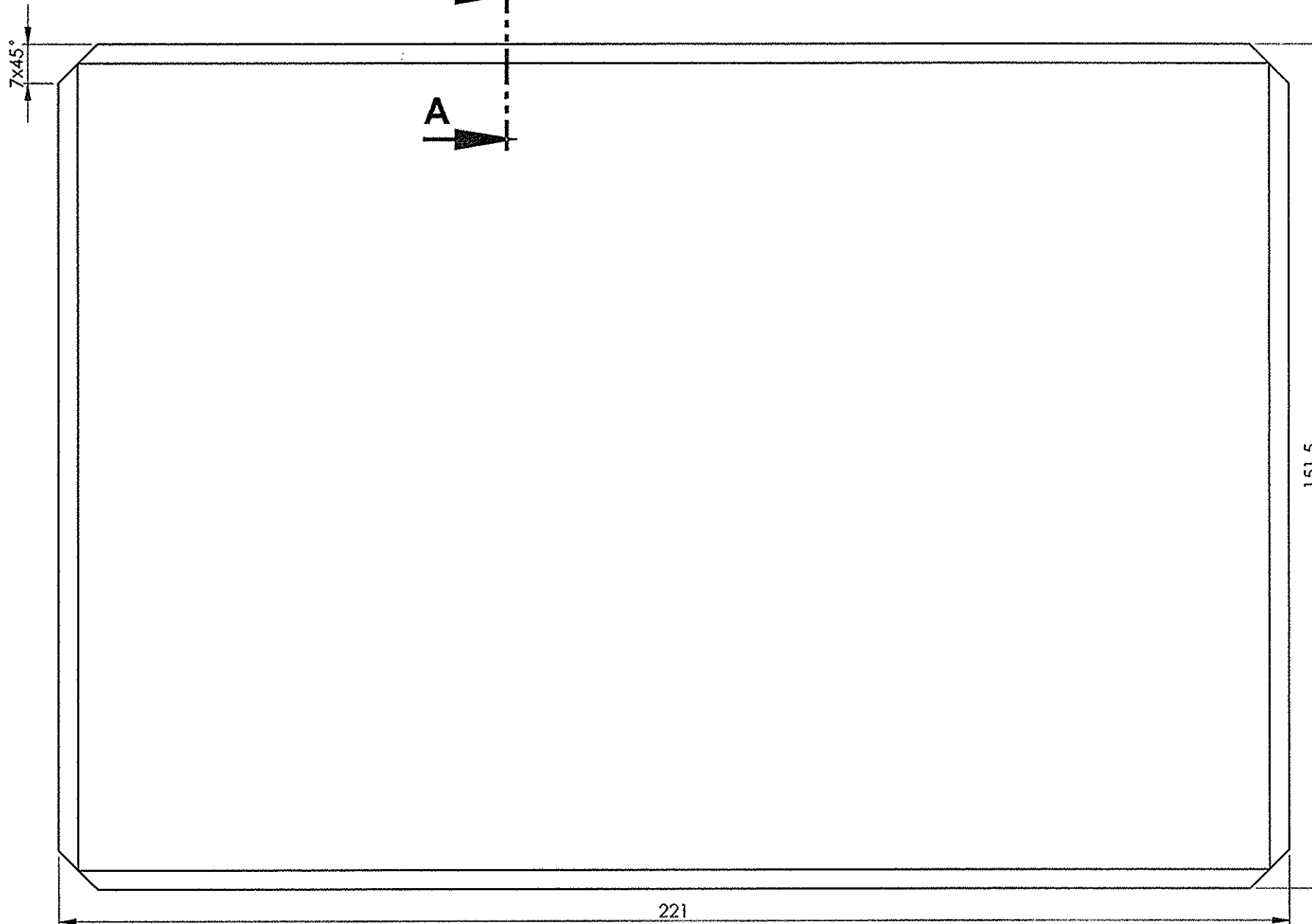
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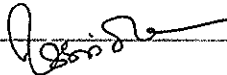

ZONE

DESCRIPTION

APPROVED &  
DATE

a

MATERIAL SPEC. ALTD. FROM SS-409M TO  
RDSO/SPEC. C-K201 X2CrNi12SECTION A-A  
SCALE 5 : 1

1	WEB	3x151.5x221	1		RDSO/SPEC C-K201 X2CrNi12	0.782	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.068			WT/ASSY IN Kgs:0.782		
WEB					SCALE	SSE/D	
					1:1	CHD	
					ALT. a	ALTD	B.SARAVANAN
						DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038							

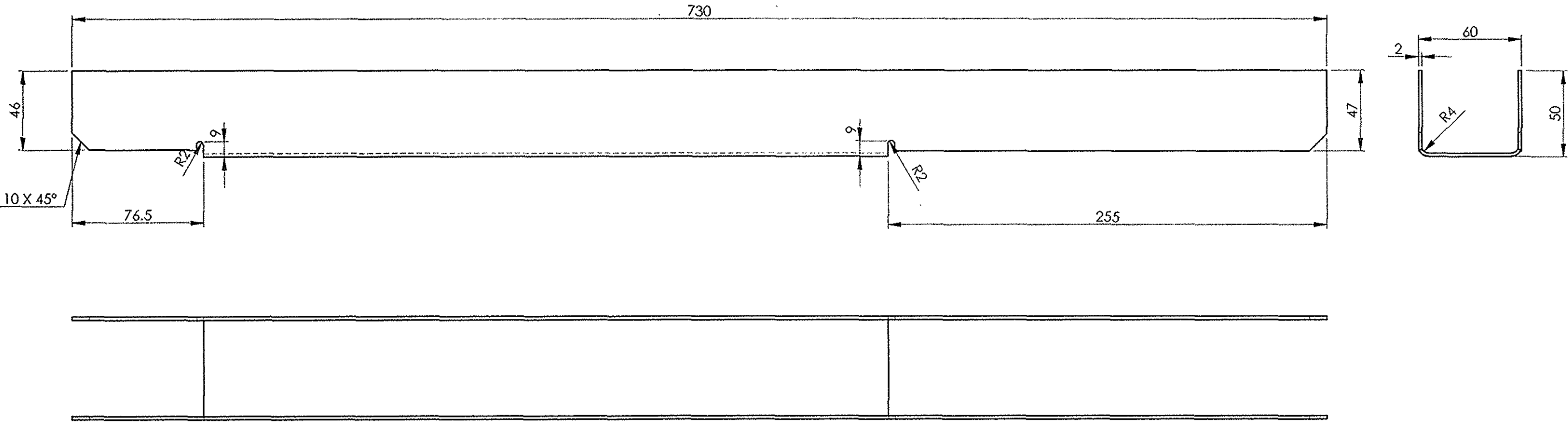
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.  
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

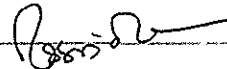
REF.DRG.NO.

AAA15210

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		DESIGN REVISED & DRAWING REDRAWN.	<i>[Signature]</i> 30/11



1	REINFORCEMENT	2x152x730	1		RDSO/SPEC C-K201 X2CrNi12	1.458	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.187			WT/ASSY IN Kgs:1.458		
REINFORCEMENT					SCALE	SSE/D	
					1:5	CHD	
					ALT. a	ALTD	T.J.Kumaravelu
						DRN	D.MOSES & TJ K VELU
					INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038		
SHEET 1 OF 1							

-05-2013	26-02-2010	<i>[Signature]</i> 30/11
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

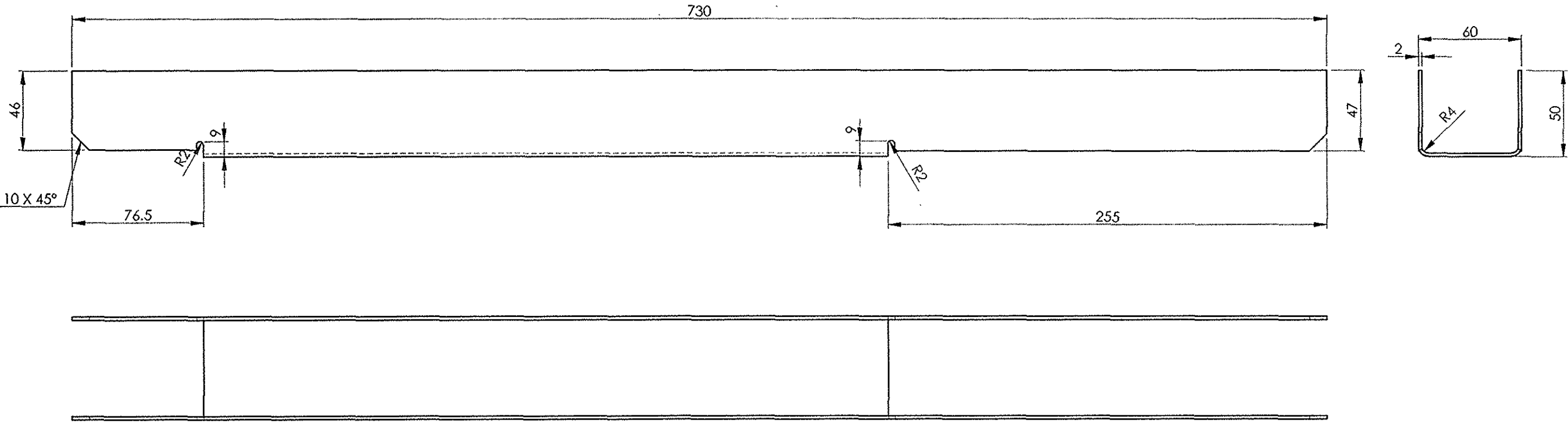
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

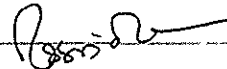
REF.DRG.NO.

AAA15210

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		DESIGN REVISED & DRAWING REDRAWN.	<i>[Signature]</i> 30/11



1	REINFORCEMENT	2x152x730	1		RDSO/SPEC C-K201 X2CrNi12	1.458	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.187			WT/ASSY IN Kgs:1.458		
REINFORCEMENT					SCALE	SSE/D	
					1:5	CHD	
					ALT. a	ALTD	T.J.Kumaravelu
						DRN	D.MOSES & TJ K VELU
					INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038		
SHEET 1 OF 1							

-05-2013	26-02-2010	<i>[Signature]</i> 30/11
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

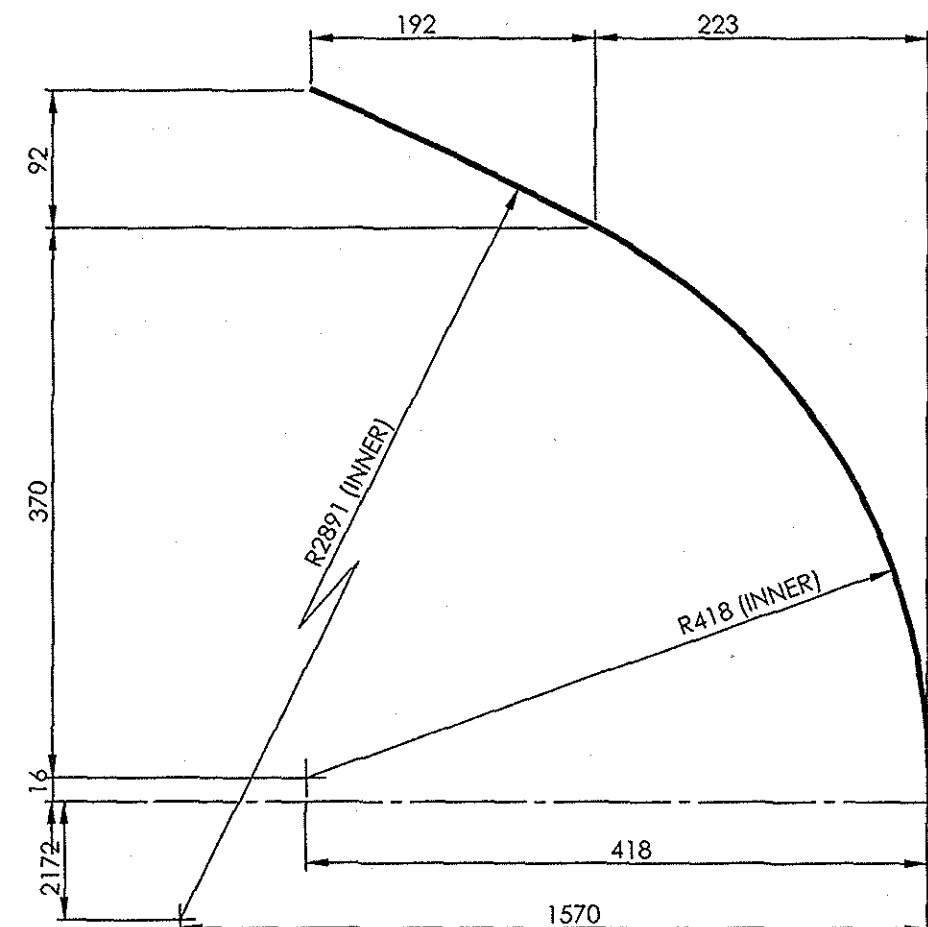
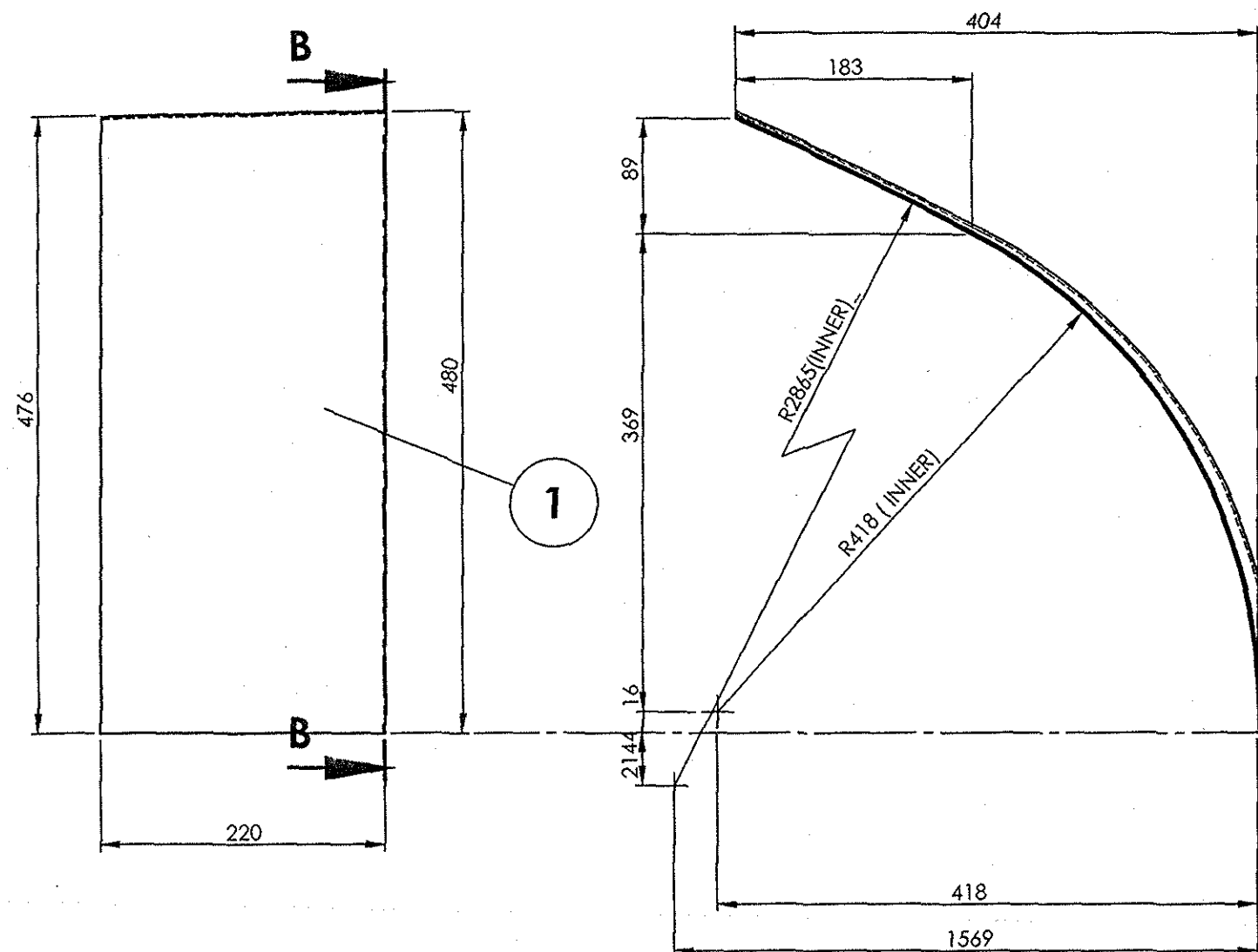
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

REF.DRG.NO.

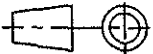
AAA15219

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC REVISED.	<i>A. (19)</i>



SECTION B-B

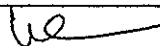
1	COVERING SHEET	2x220x670	1		RDSO/SPEC C- K201 X2CrNi12	2.389	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.296			WT/ASSY IN Kgs:2.337		
COVERING SHEET					SCALE	SSE/D	<i>h. Prasad</i>
					1:5	CHD	
					ALT. a	ALTD	TIKYA NAIK
					DRN		A.Palanichamy & T J K VELU
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA15219		A3

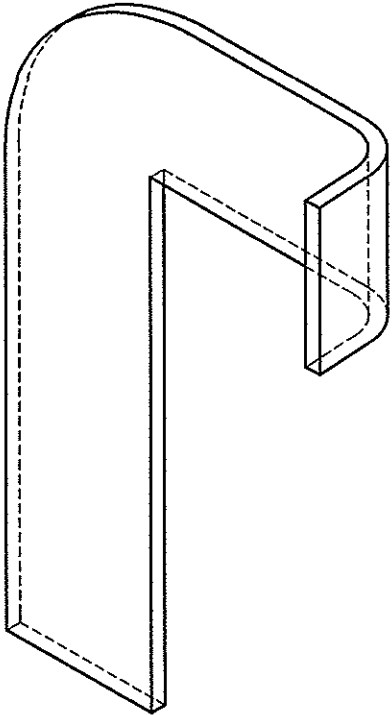
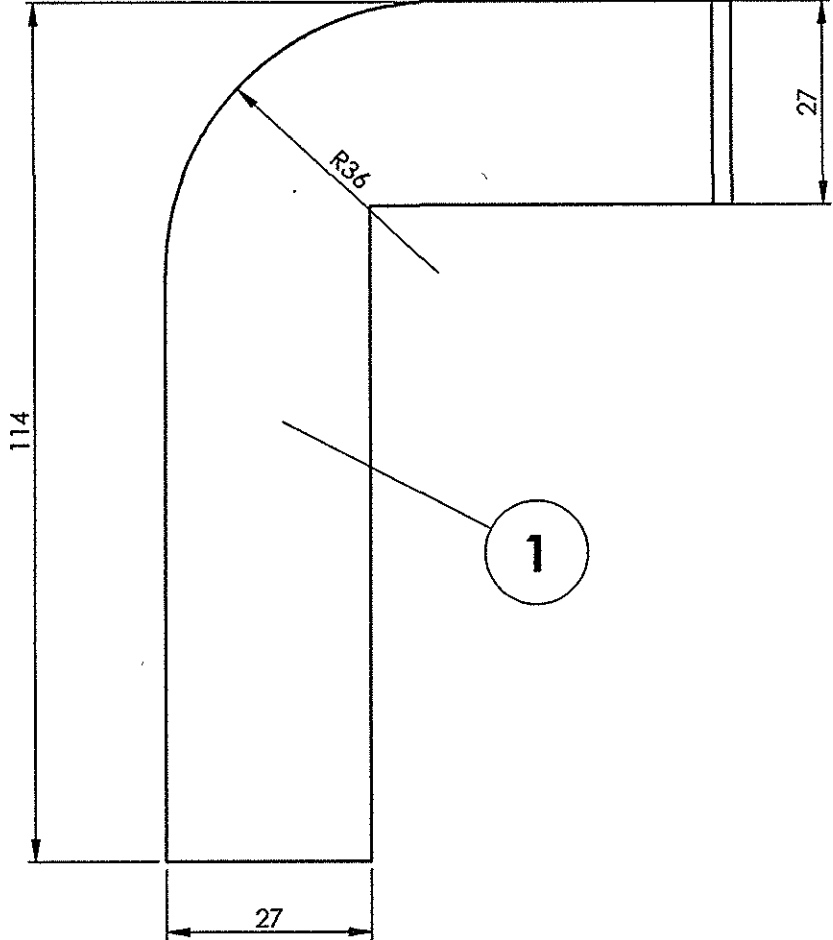
19-02-2016	26-02-2016	<i>A. M.</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	SME

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS 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.

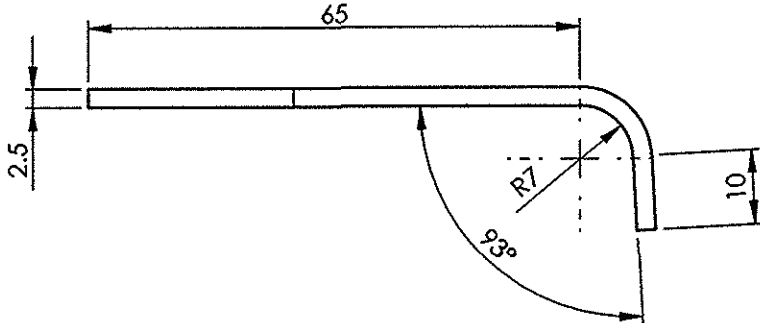
AAA15232

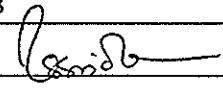

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	



ISOMETRIC VIEW



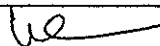
1	REINFORCEMENT	2.5x87x114	1		RDSO/SPEC C-K201 X2CrNi12	0.088	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.010			WT/ASSY IN Kgs:0.088		
REINFORCEMENT					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	B.SARAVANAN
					a	DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1		AAA15232	A3

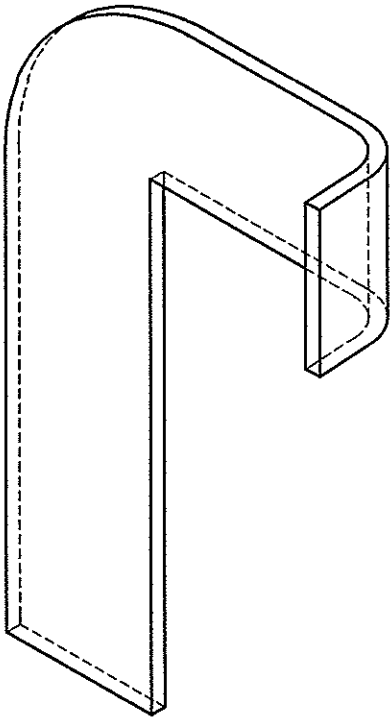
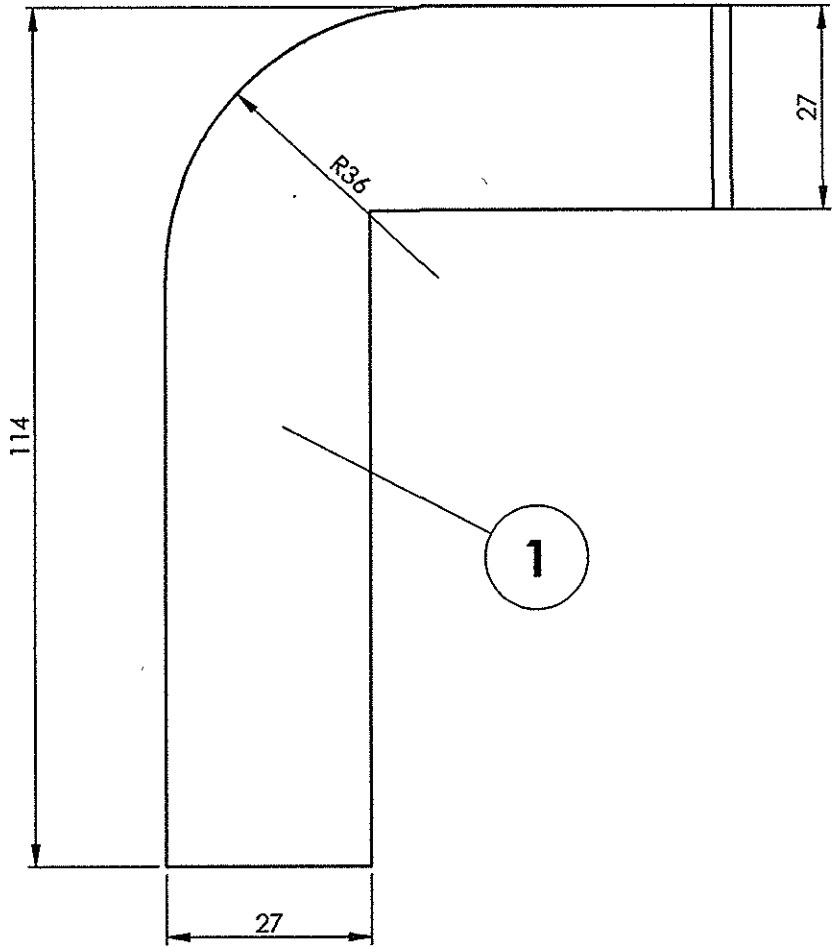
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

REF.DRG.NO.

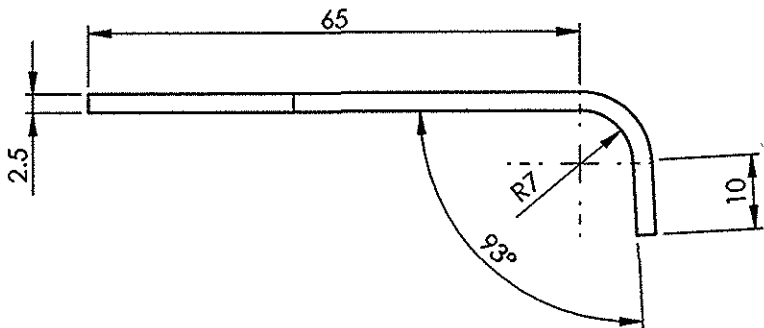
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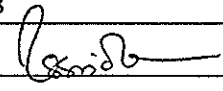

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	



ISOMETRIC VIEW



1	REINFORCEMENT	2.5x87x114	1		RDSO/SPEC C-K201 X2CrNi12	0.088	
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:0.088		
REINFORCEMENT					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	B.SARAVANAN
					a	DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1		AAA15232	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.

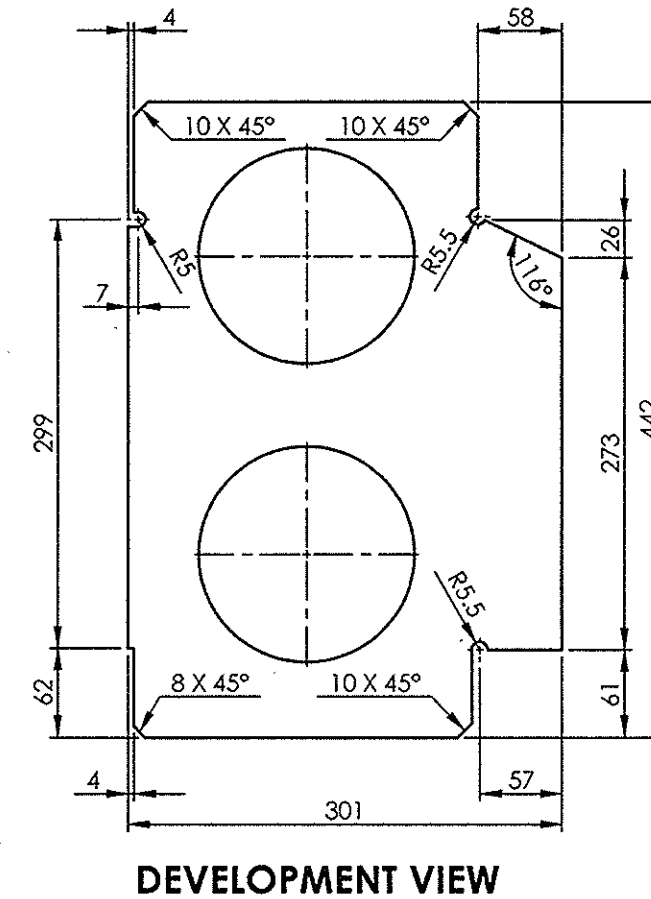
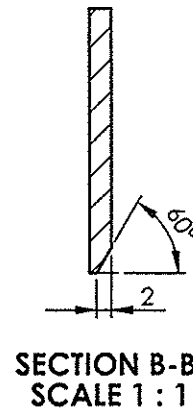
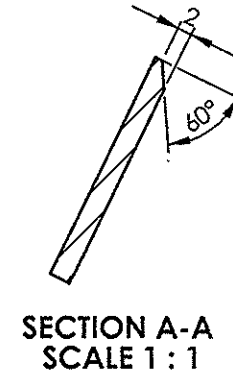
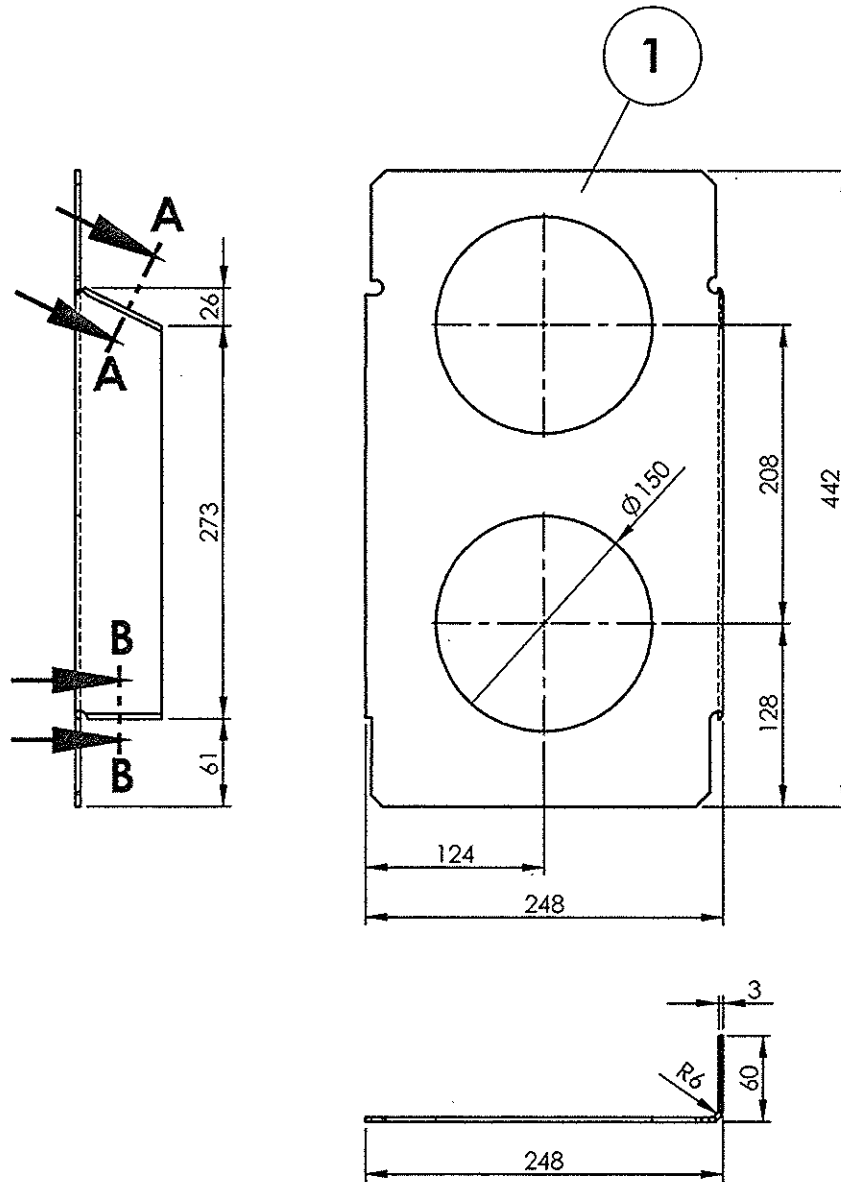
REF.DRG.NO.

AAA15237

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

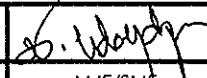
## REVISIONS

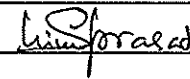
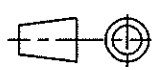
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
b		Ø 150 HOLES ADDED, DIMENSION REVISED, CHAMFERING, SECTION-AA & BB ADDED, VIEWS UPDATED.	



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 10113.0.20.120.111

24-06.2017	05.03.2010	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME


1	PILLAR	3x301x442	1		RDSO/SPEC C-K201 X2CrNi12	2.101	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.182			WT/ASSY IN Kgs:		
PILLAR					SCALE	SSE/D	
					1:5	CHD	
					ALT. b	ALTD	R.Vijay Rathinam
						DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1	AAA15237	
							A3

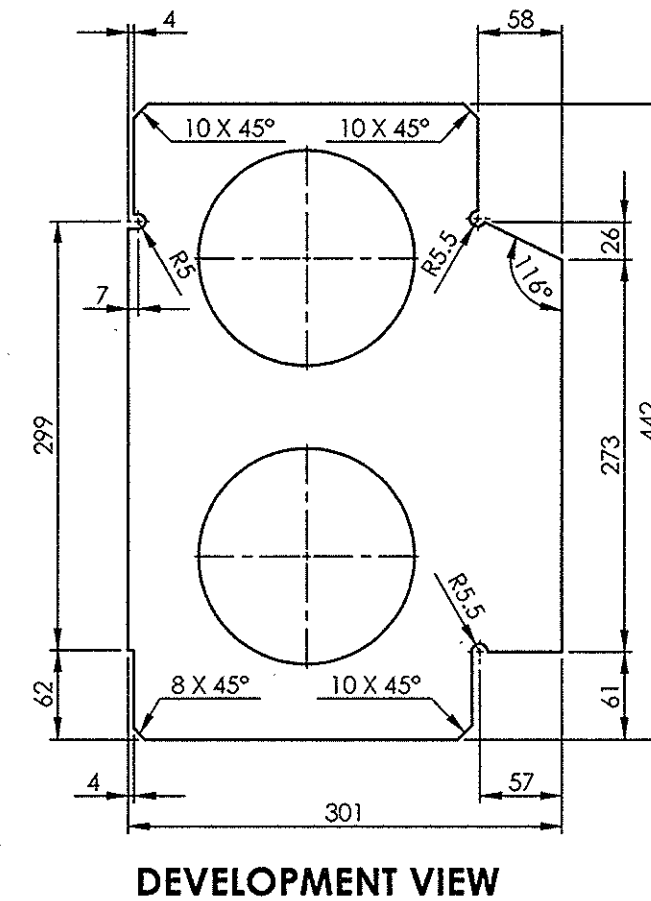
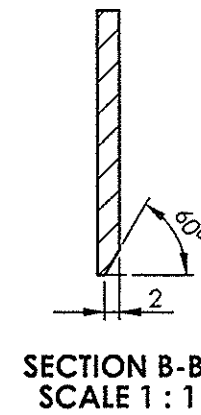
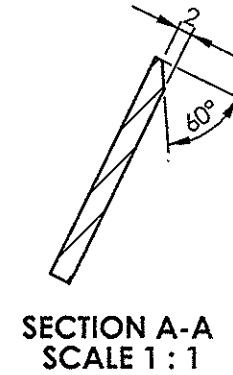
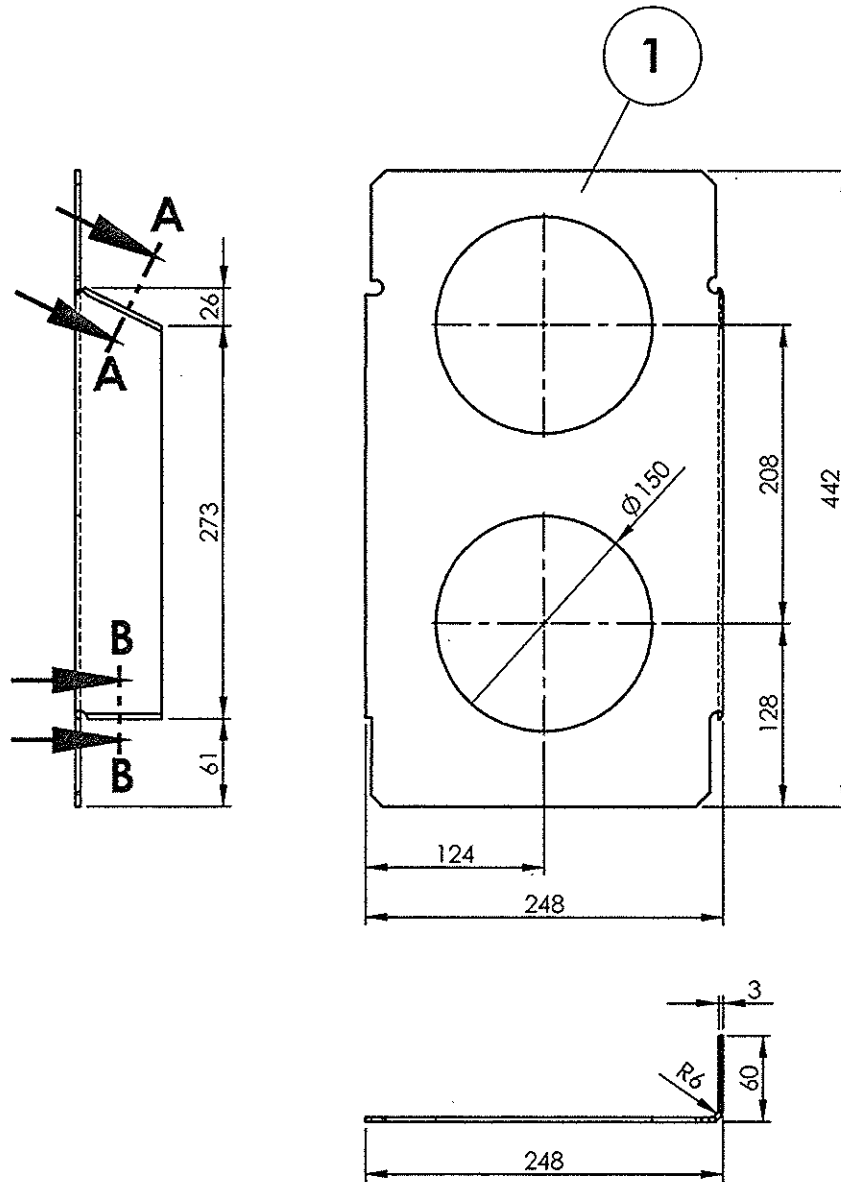


AAA15237

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

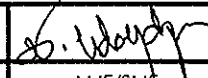
## REVISIONS

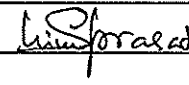
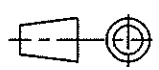
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
b		Ø 150 HOLES ADDED, DIMENSION REVISED, CHAMFERING, SECTION-AA & BB ADDED, VIEWS UPDATED.	



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 10113.0.20.120.111

24-06.2017	05.03.2010	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	PILLAR	3x301x442	1		RDSO/SPEC C-K201 X2CrNi12	2.101		
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.182			WT/ASSY IN Kgs:			
PILLAR					SCALE	SSE/D		
					1:5	CHD		
					ALT. b	ALTD	R.Vijay Rathinam	
						DRN	D.MOSES & T J K VELU	
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038								
					SHEET 1 OF 1	AAA15237		
							A3	

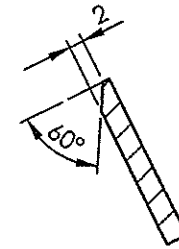
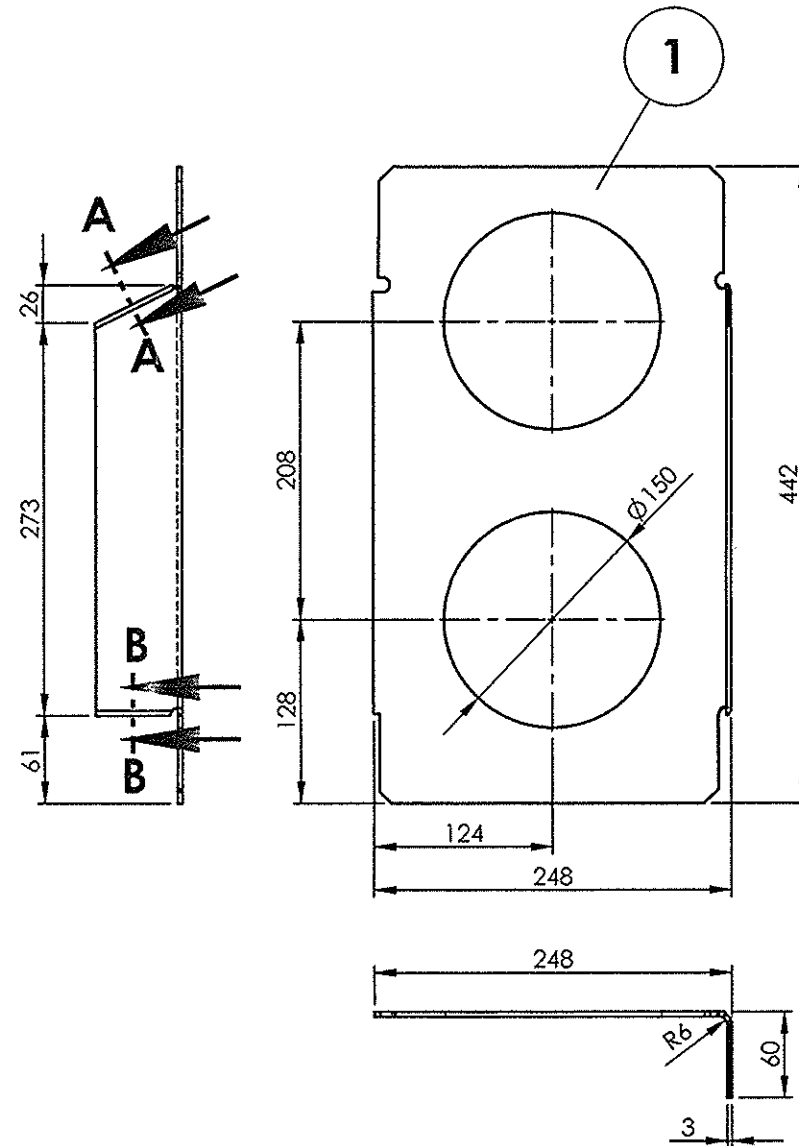
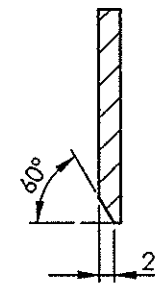
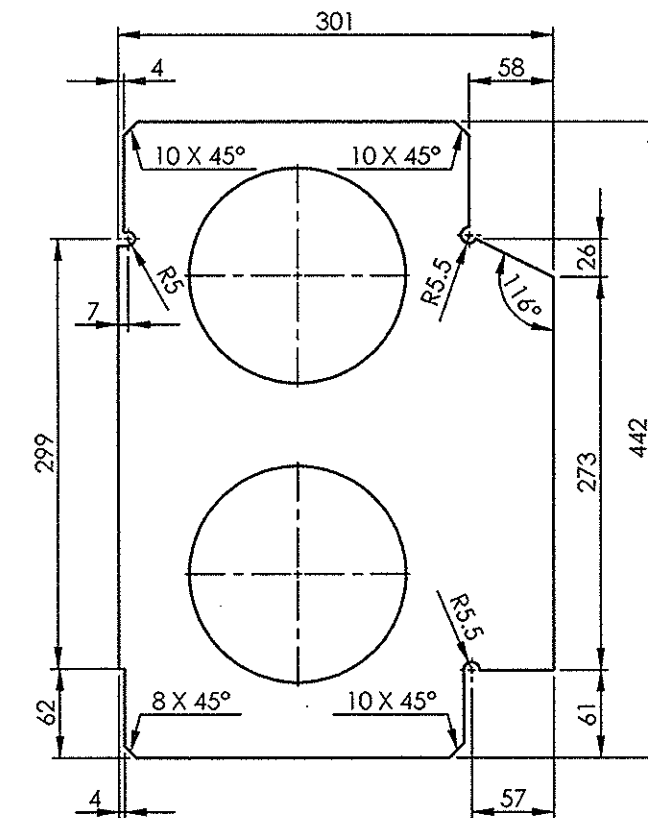
AAA15238

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

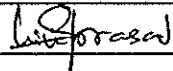
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
b		Ø 150 HOLES ADDED, DIMENSION REVISED, CHAMFERING, SECTION-AA & BB ADDED, VIEWS UPDATED.	

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 10113.0.20.120.110


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

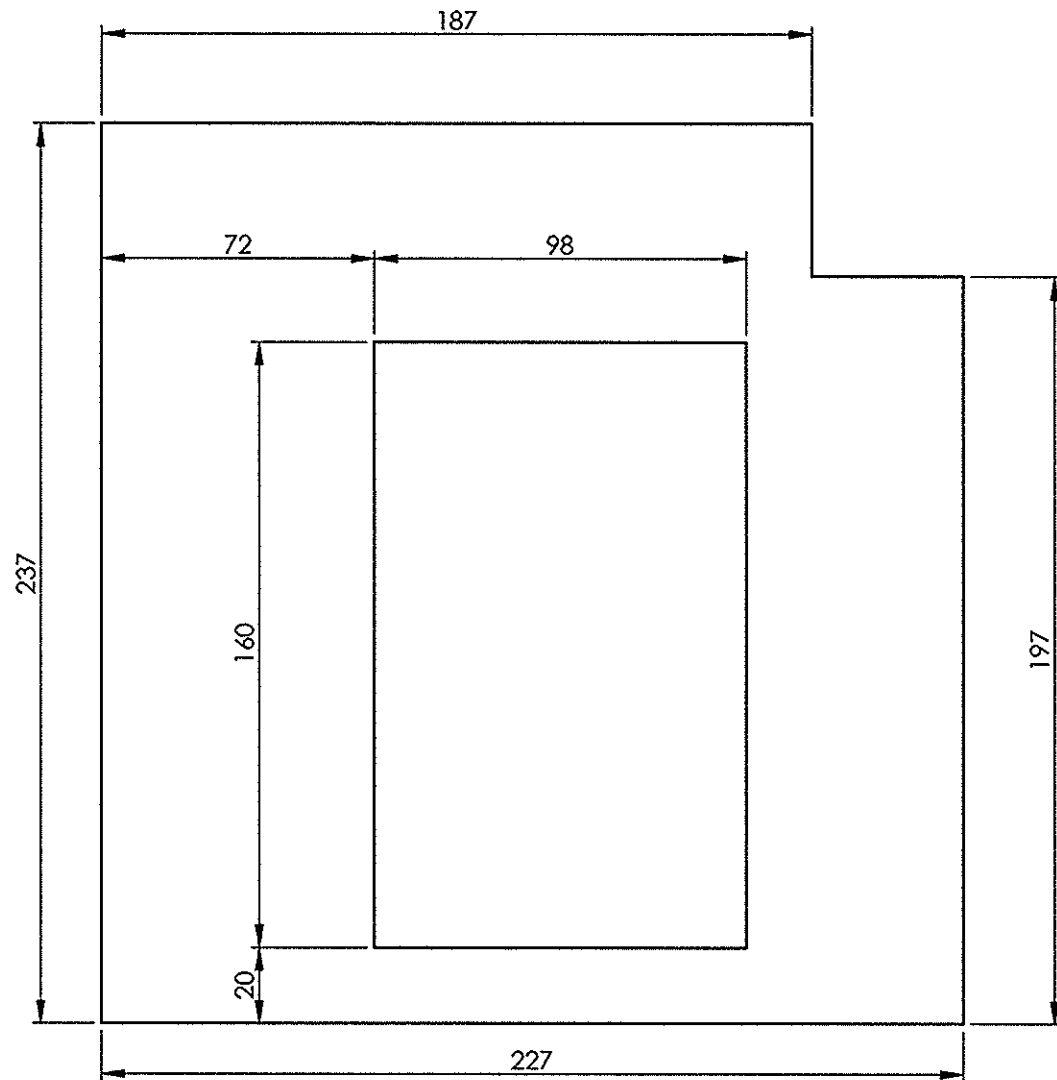
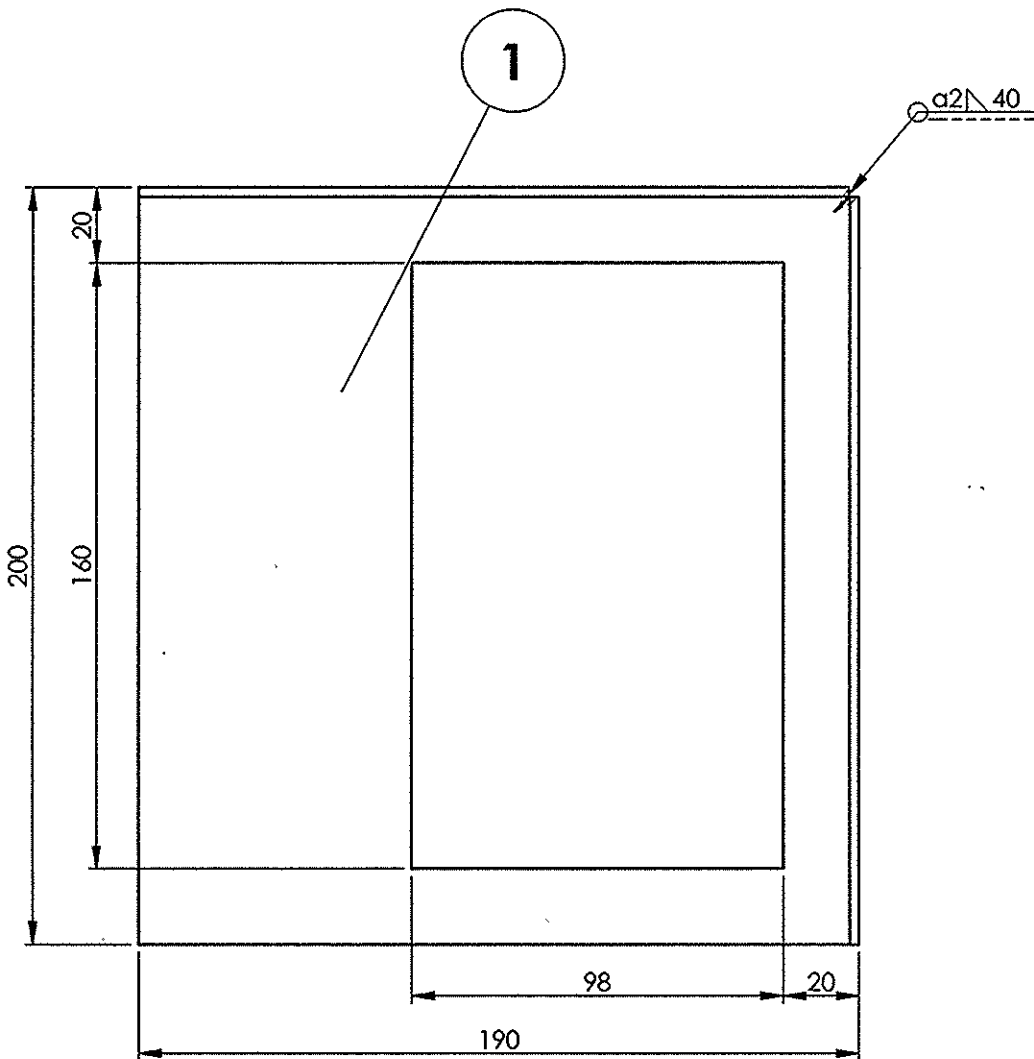
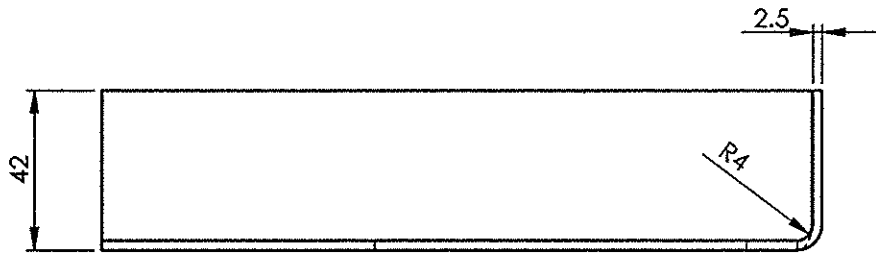
DEVELOPMENT VIEW

1	PILLAR	3x301x442	1		RDSO/SPEC C-K201 X2CrNi12	2.101	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.182			WT/ASSY IN Kgs:		
PILLAR					SCALE	SSE/D	
					1:5	CHD	
					ALT. b	ALTD	R.Vijay Rathinam
						DRN	D.MOSES & T J K VELU
					INDIAN RAILWAY STANDARDS		
INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1	AAA15238	
							A3

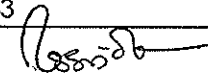

AAA15240

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MAT SPEC. ALTERED FROM SS 409M TO RDSO/SPEC C-K 201 X2CrNi12	



DEVELOPMENT VIEW

1	BRACKET	2.5x228x238	1		RDSO/SPEC C-K201 X2CrNi12	0.733	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.077			WT/ASSY IN Kgs:0.733		
BRACKET					SCALE	SSE/D	
					1:2	CHD	
					ALT. a	ALTD	
						DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA15240		A3

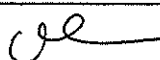
30-06-2013	05-03-2010	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	SME/AME

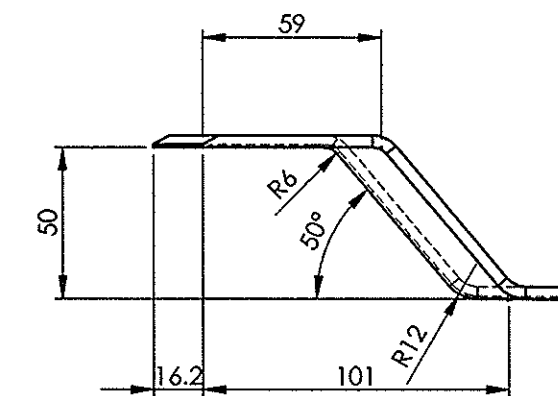
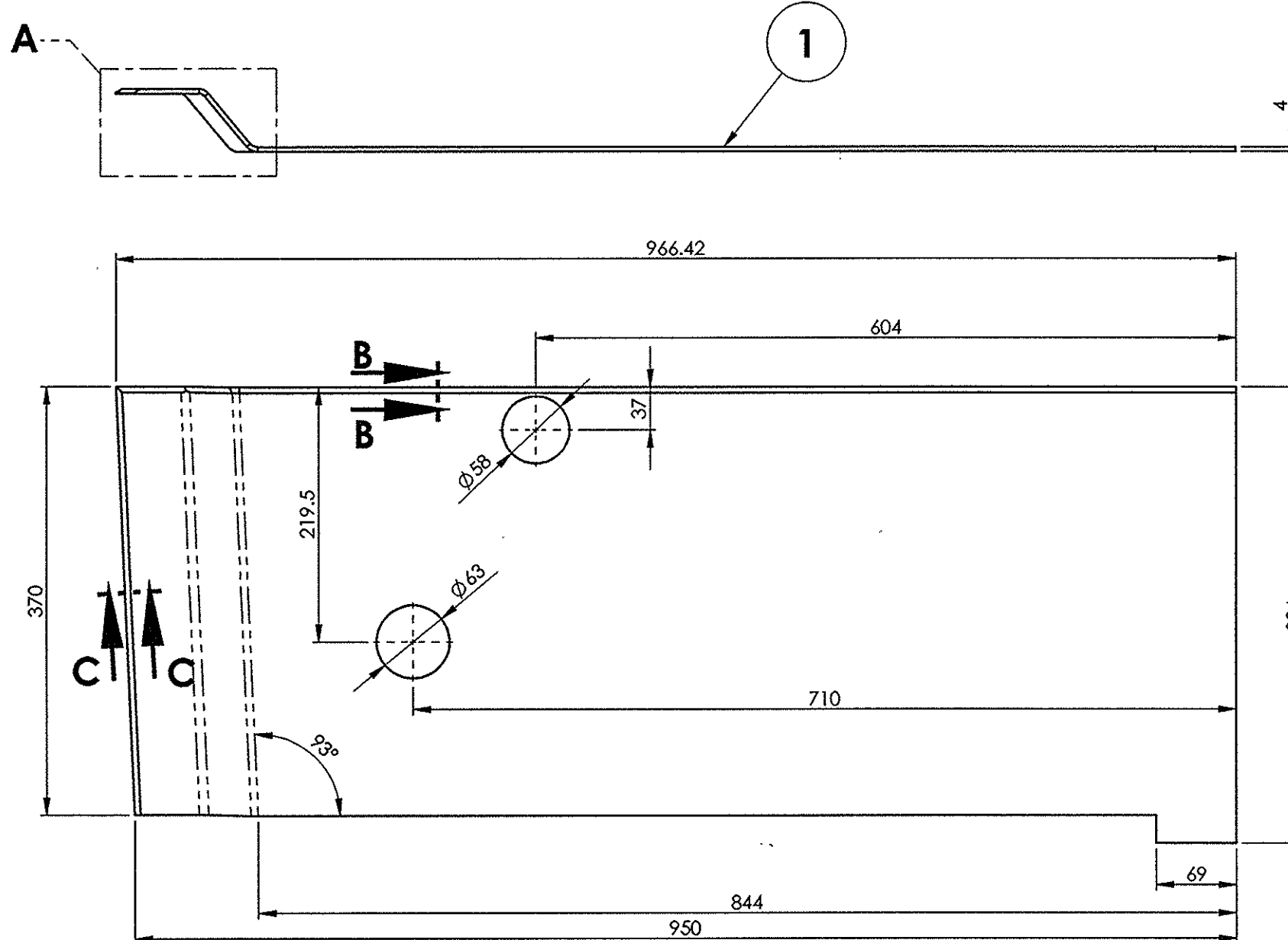
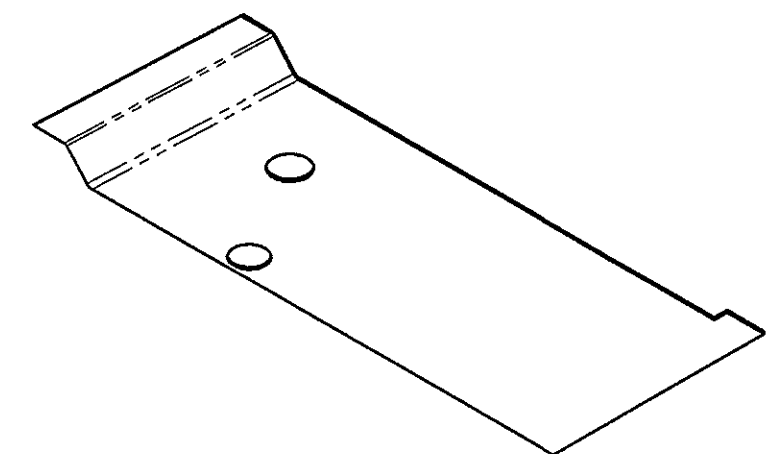
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

AAA15244

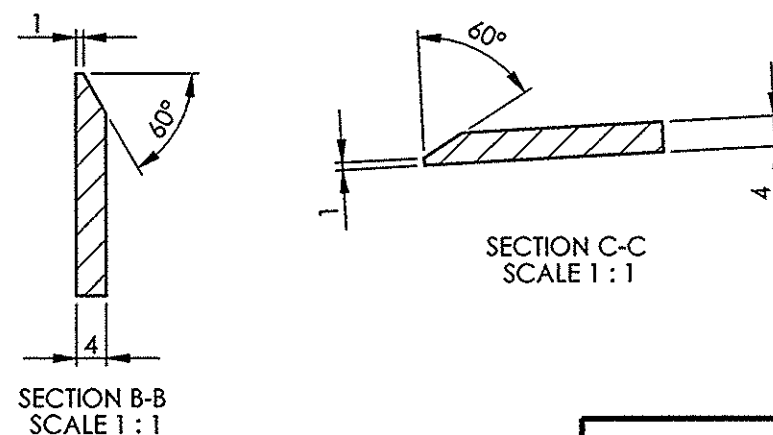
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

## REVISIONS


ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	

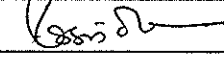
DETAIL A  
SCALE 2 : 5

ISOMETRIC VIEW

SECTION C-C  
SCALE 1 : 1SECTION B-B  
SCALE 1 : 1

REF.DRG.NO.

30-03622013	26-02-2010	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	FLANGE R.H	4x394x988	1		RDSO/SPEC C-K201 X2CrNi12	11.394	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION				SURFACE AREA IN Sq.m.:0.727		WT/ASSY IN Kgs:11.394	
FLANGE R.H					SCALE 1:5	SSE/D CHD	
					ALT. a	ALTD DRN	B.SARAVANAN A.Palanichamy & T J K VELU
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA15244		
					A3		

AAA15244

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED

①b BURRS REMOVED

①8 CHAMFERED

REVISIONS

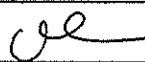
ALT.

ZONE

DESCRIPTION

APPROVED &  
DATE

a

MATERIAL SPEC. ALTD. FROM SS-409M TO  
RDSO/SPEC. C-K201 X2CrNi12

A

1

4

966.42

604

B  
B

37

Ø58

Ø63

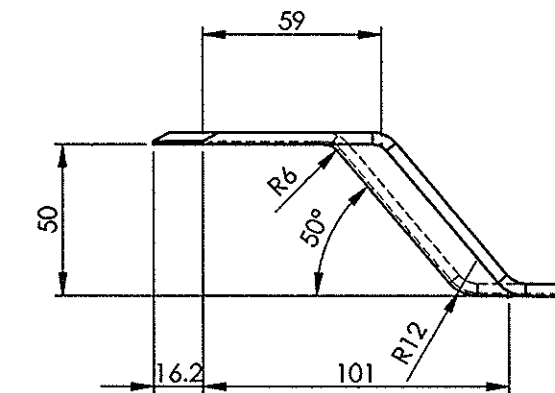
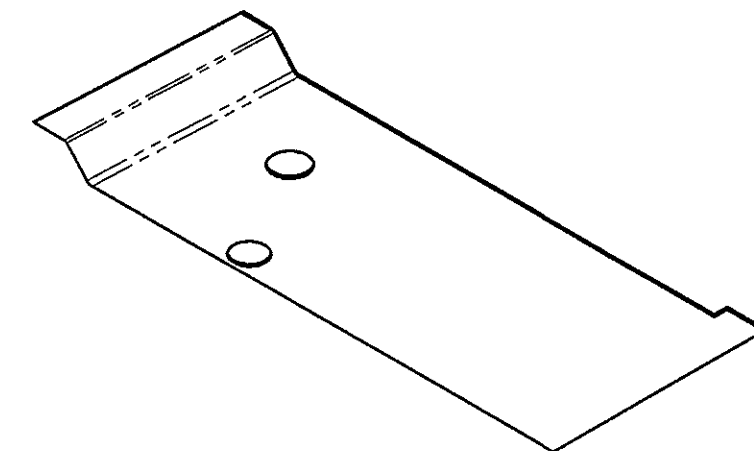
710

394

844

950

69

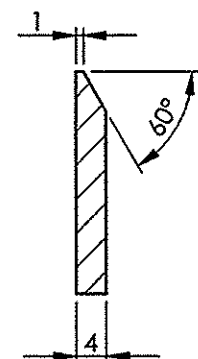
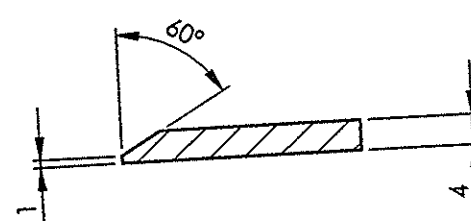
DETAIL A  
SCALE 2 : 5

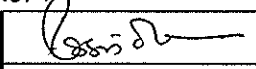
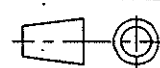
ISOMETRIC VIEW

C  
C

219.5

3°

SECTION B-B  
SCALE 1 : 1SECTION C-C  
SCALE 1 : 1

1	FLANGE R.H	4x394x988	1		RDSO/SPEC C-K201 X2CrNi12	11.394	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION				SURFACE AREA IN Sq.m.:0.727		WT/ASSY IN Kgs:11.394	
FLANGE R.H					SCALE 1:5	SSE/D	
					ALT. a	CHD	
INDIAN RAILWAY STANDARDS					ALT. a	ALTD	B.SARAVANAN
					ALT. a	DRN	A.Palanichamy & T J K VELU
INTEGRAL COACH FACTORY, CHENNAI - 600038							A3
SHEET 1 OF 1					AAA15244		

30-03-2013

26-02-2010



DATE OF LATEST ALT.

DATE OF FIRST ISSUE

AME/SME

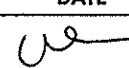
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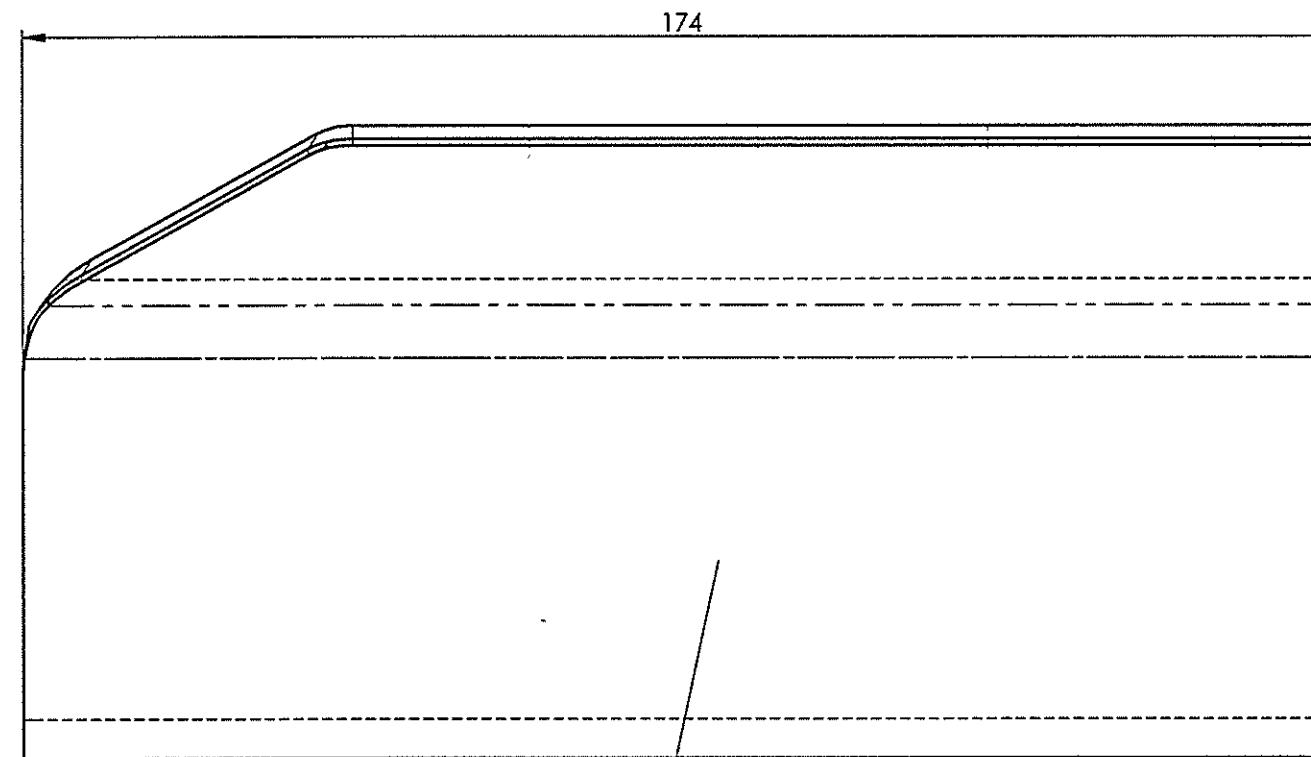
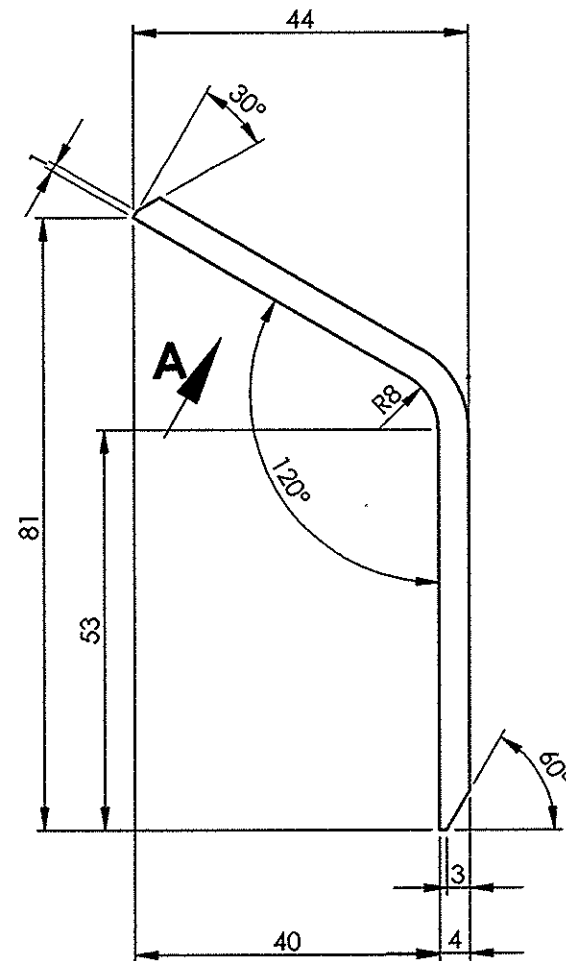
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.  
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

AAA15247

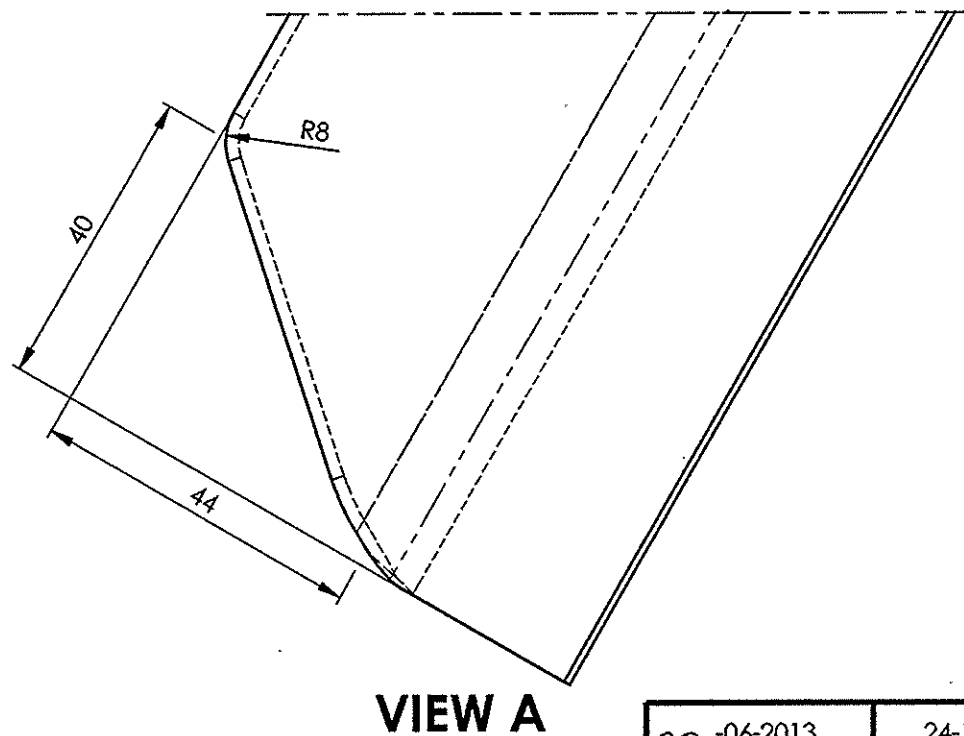
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

## REVISIONS


ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	

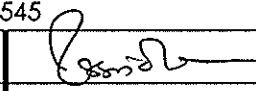


1



VIEW A

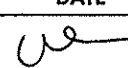
30-06-2013	24-12-2009	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	SME/AME

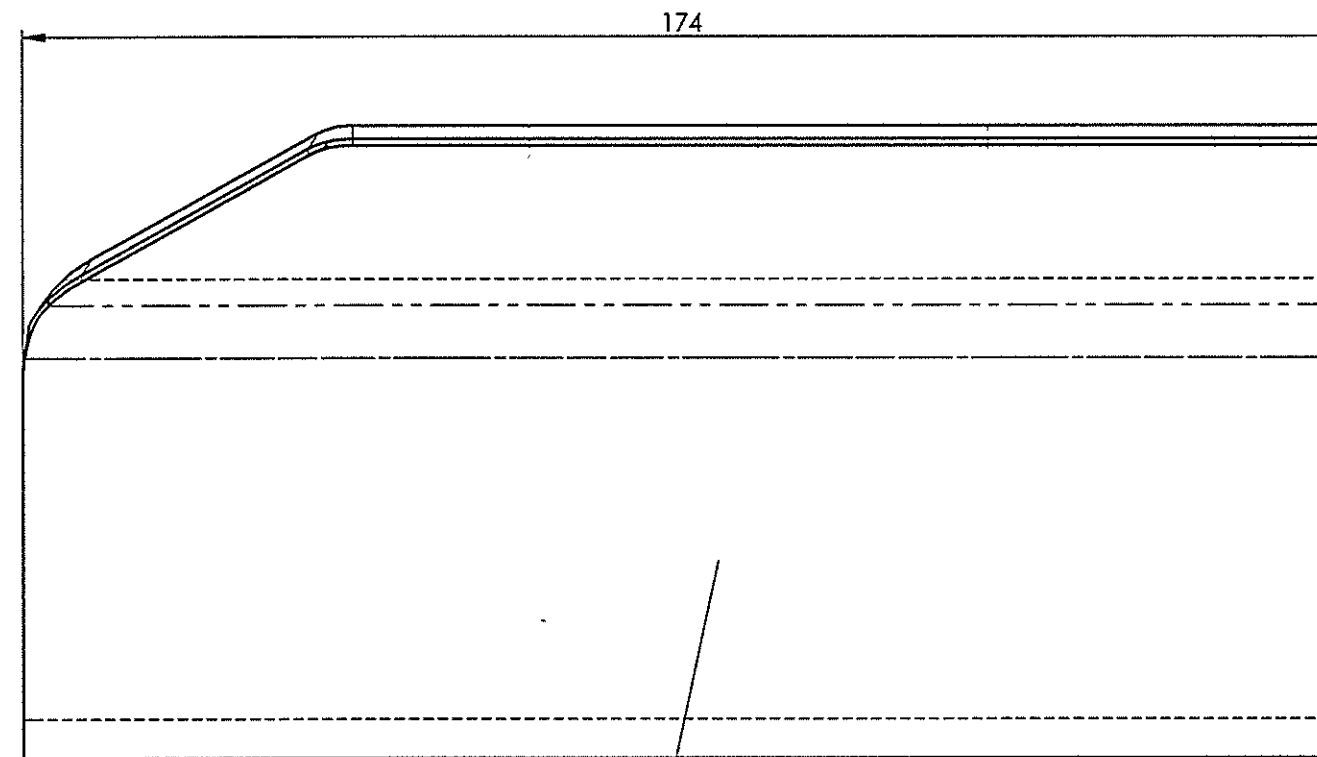
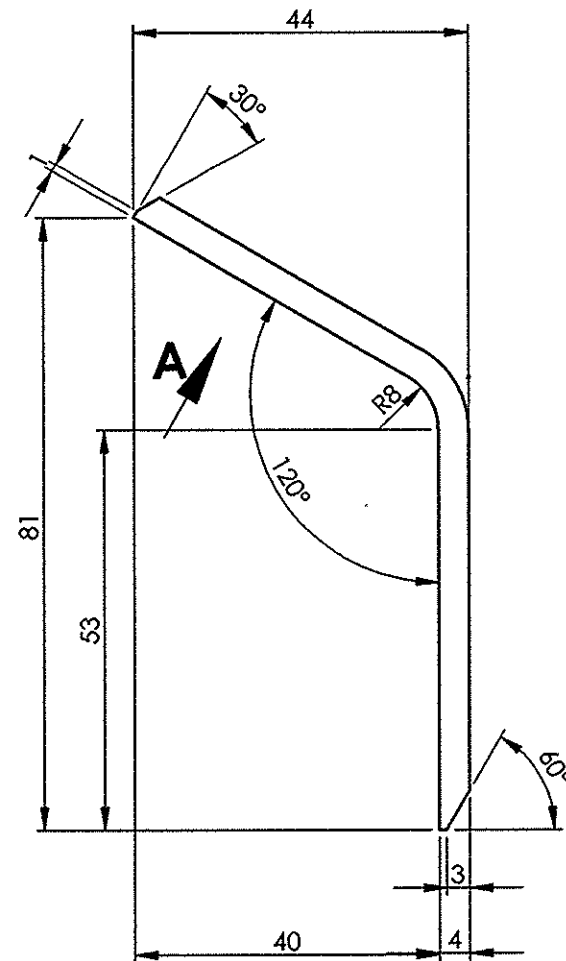
1	COVERING SHEET	4x105x174	1		RDSO/SPEC C-K201 X2CrNi12	0.542	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION				SURFACE AREA IN Sq.m.:0.036		WT/ASSY IN Kgs:0.545	
COVERING SHEET					SCALE	SSE/D	
					1:1	CHD	
					ALT. a	ALTD	B.SARAVANAN
INDIAN RAILWAY STANDARDS						DRN	A.Palanichamy & T J K VELU
					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA15247		A3

AAA15247

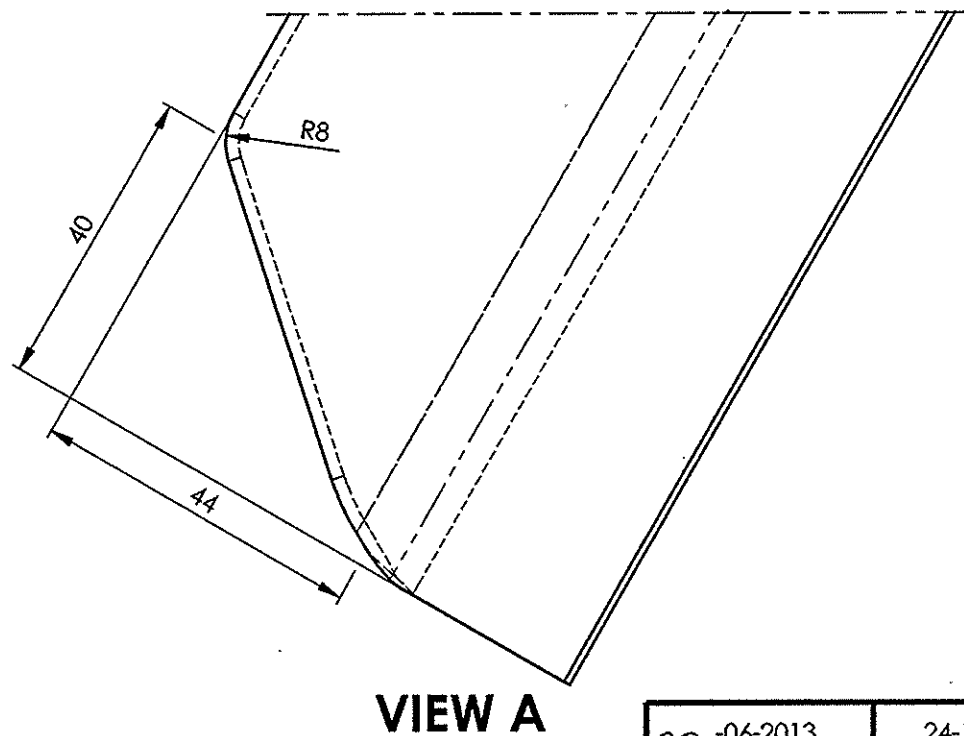
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

## REVISIONS


ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	

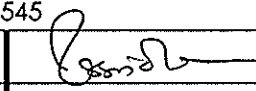
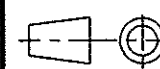


1



VIEW A

30-06-2013	24-12-2009	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	SME/AME

1	COVERING SHEET	4x105x174	1		RDSO/SPEC C-K201 X2CrNi12	0.542	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION				SURFACE AREA IN Sq.m.:0.036		WT/ASSY IN Kgs:0.545	
COVERING SHEET					SCALE 1:1	SSE/D CHD	
					ALT. a	ALTD DRN	B.SARAVANAN A.Palanichamy & T J K VELU
							
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		AAA15247	
INTEGRAL COACH FACTORY, CHENNAI - 600038						A3	

AAA15248

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED

② BURRS REMOVED

③ CHAMFERED

## REVISIONS

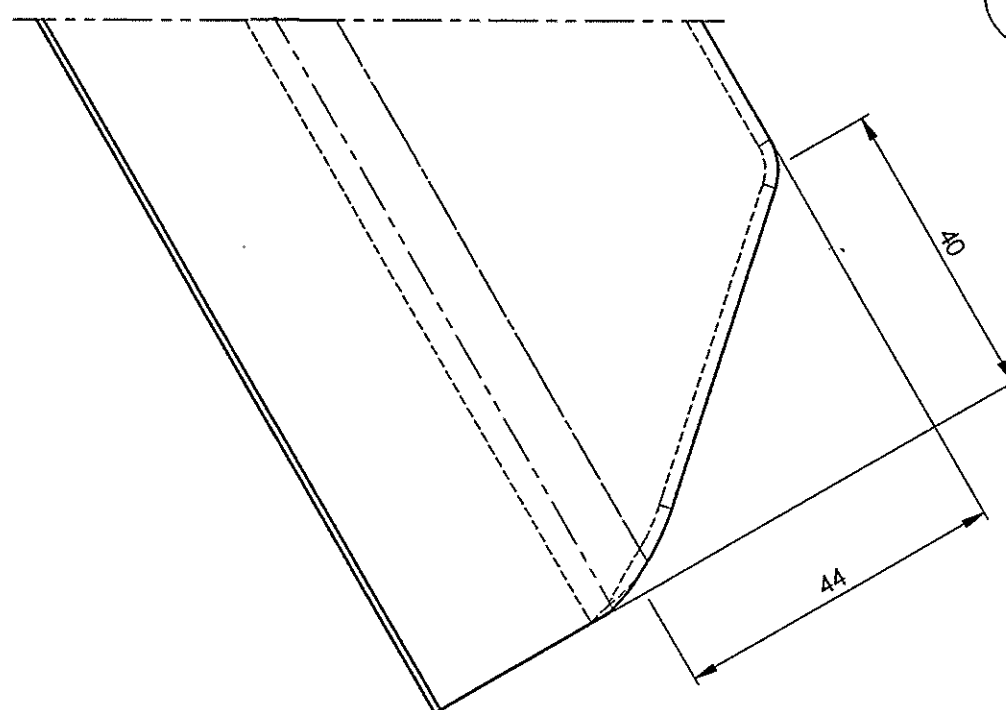
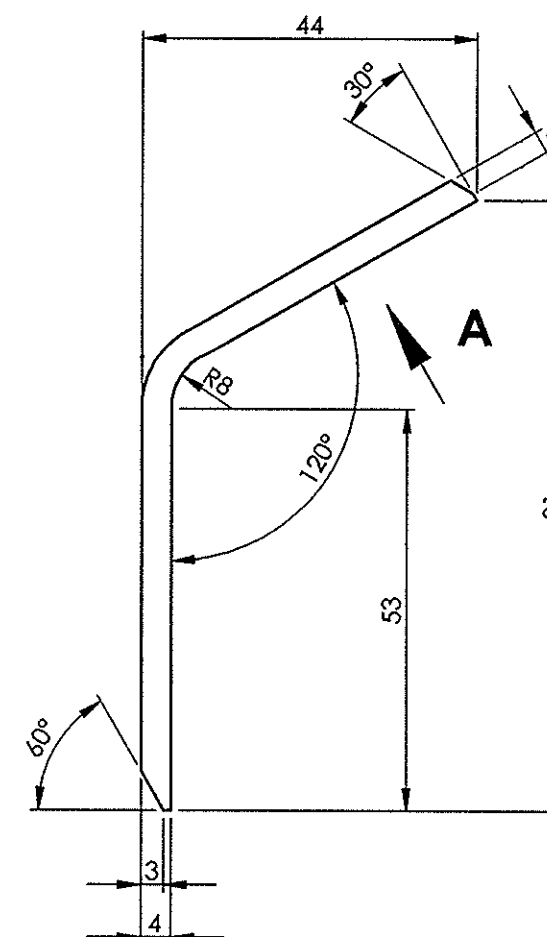
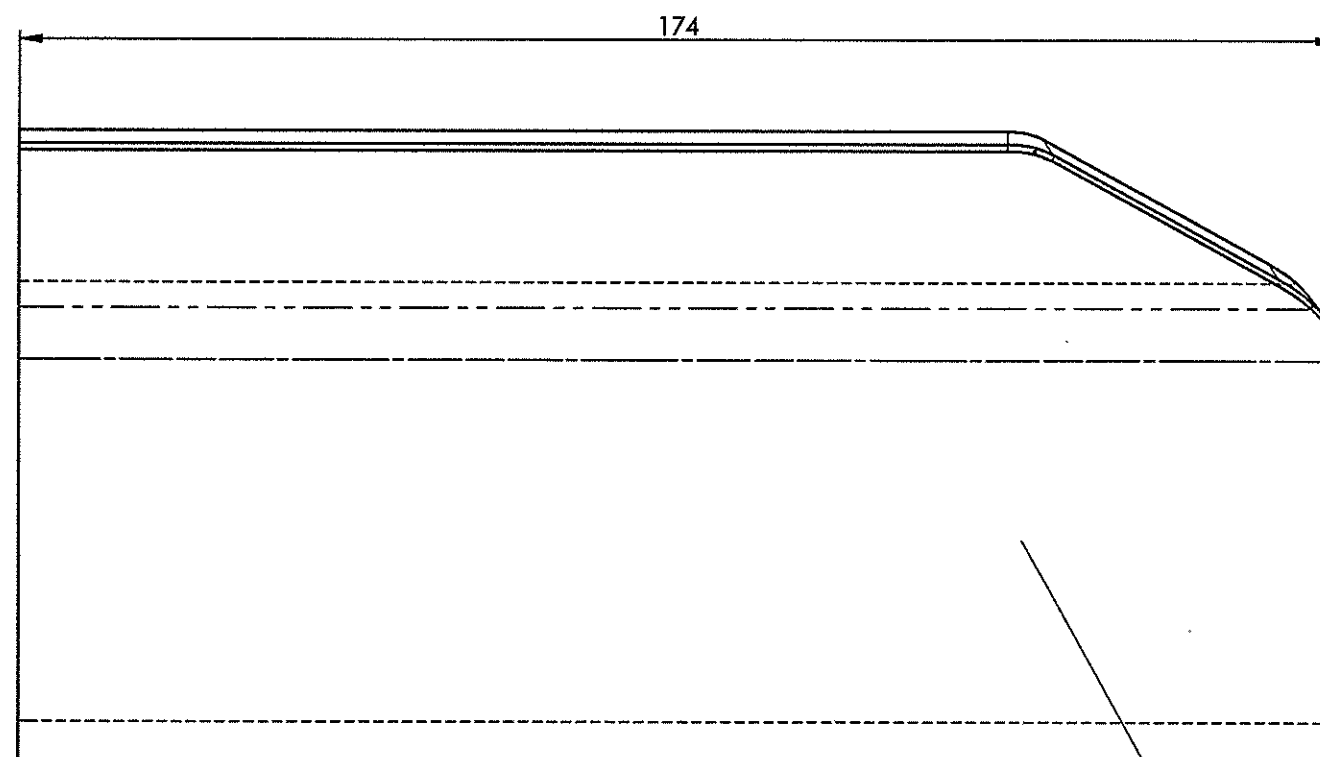
ALT.

ZONE

DESCRIPTION

APPROVED &  
DATE

a

MATERIAL SPEC. ALTD. FROM SS-409M TO  
RDSO/SPEC. C-K201 X2CrNi12

VIEW A

30-06-2013

24-12-2009

DATE OF LATEST ALT.

DATE OF FIRST ISSUE

SME/AME

1	COVERING SHEET	4x105x174	1		RDSO/SPEC C-K201 X2CrNi12	0.542	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION				SURFACE AREA IN Sq.m.:0.036		WT/ASSY IN Kgs:0.545	
COVERING SHEET					SCALE	SSE/D	B.SARAVANAN A.Palanichamy & T J K VELU
					1:1	CHD	
INDIAN RAILWAY STANDARDS					ALT.	ALTD	A3
					a	DRN	
INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1		
					AAA15248		



AAA15248

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED

② BURRS REMOVED

③ CHAMFERED

## REVISIONS

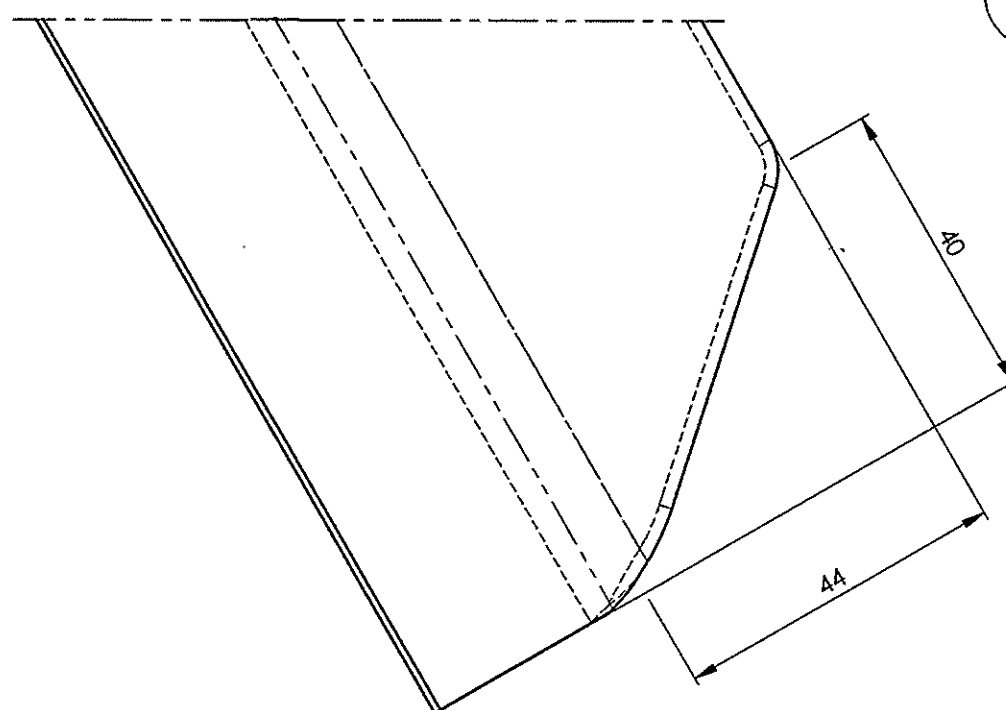
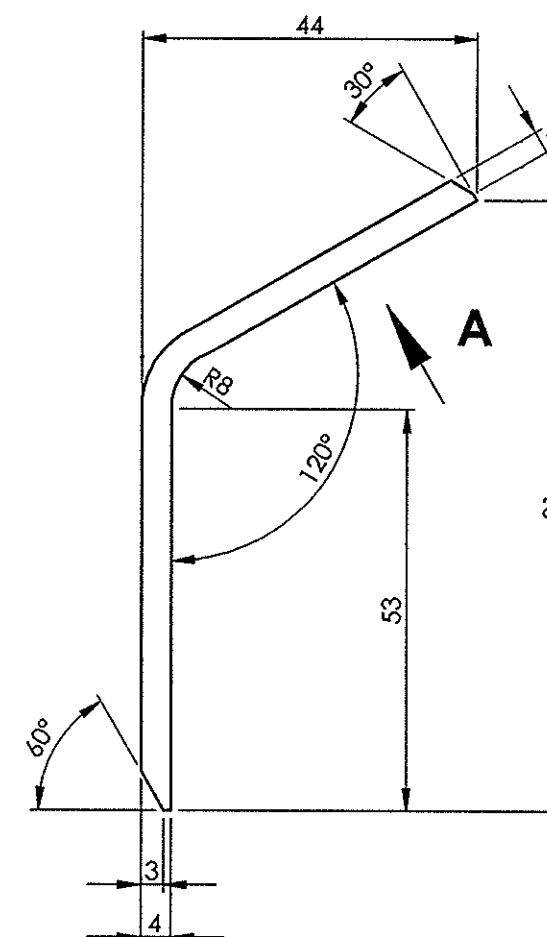
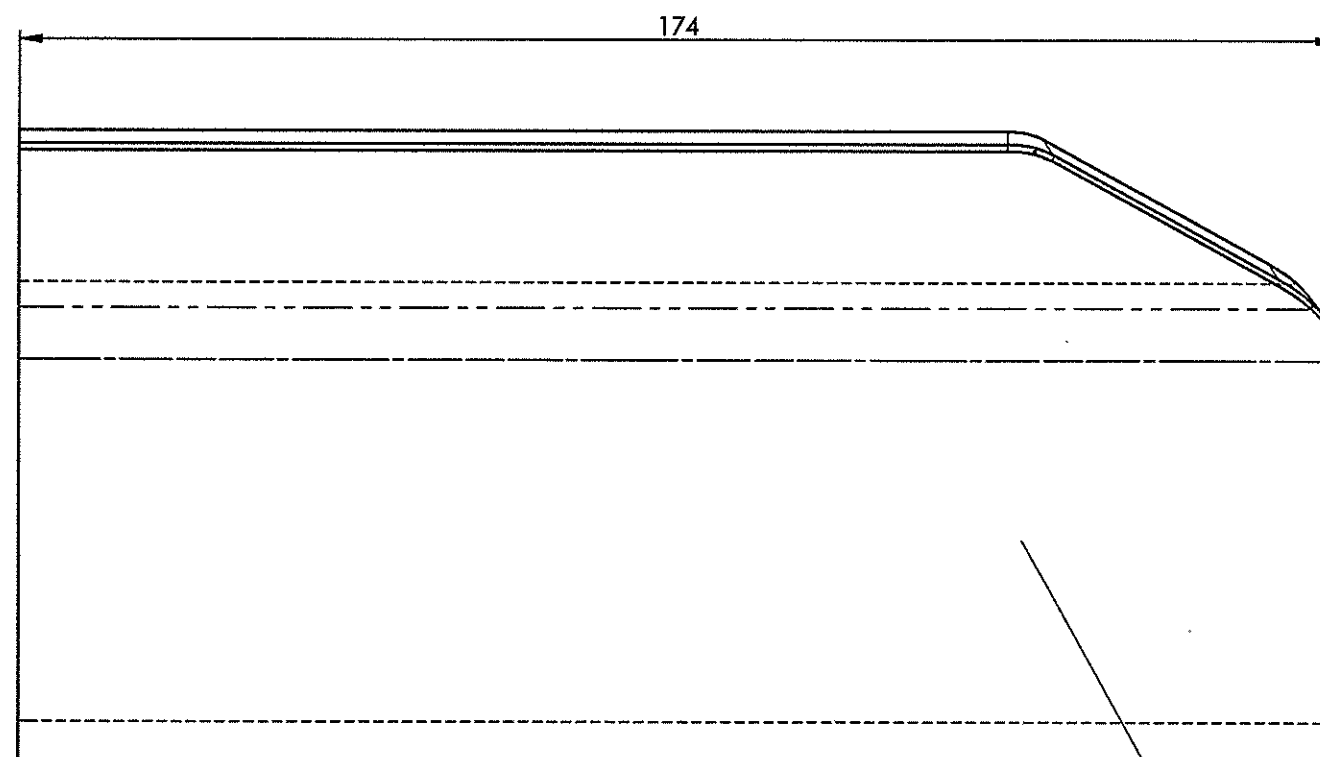
ALT.

ZONE

DESCRIPTION

APPROVED &  
DATE

a

MATERIAL SPEC. ALTD. FROM SS-409M TO  
RDSO/SPEC. C-K201 X2CrNi12

VIEW A

30-06-2013

24-12-2009

DATE OF LATEST ALT.

DATE OF FIRST ISSUE

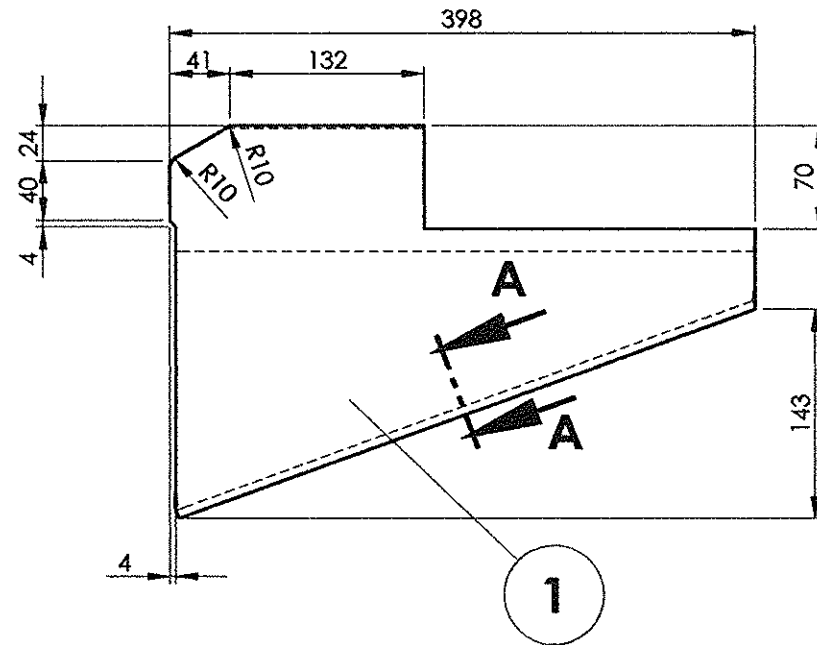
SME/AME

1	COVERING SHEET	4x105x174	1		RDSO/SPEC C-K201 X2CrNi12	0.542	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION				SURFACE AREA IN Sq.m.:0.036		WT/ASSY IN Kgs:0.545	
COVERING SHEET					SCALE	SSE/D	B.SARAVANAN
					1:1	CHD	
					ALT. a	ALTD	A.Palanichamy & T J K VELU
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA15248		A3

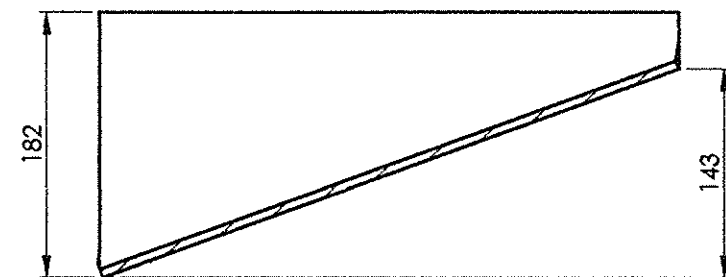
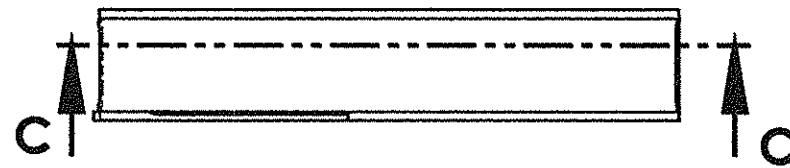
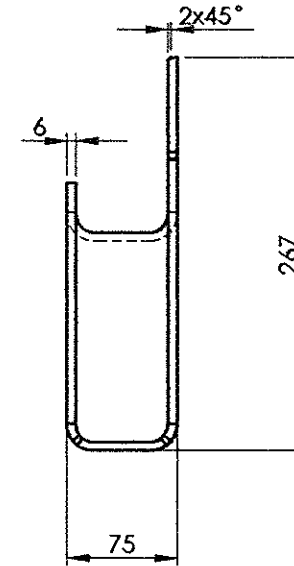
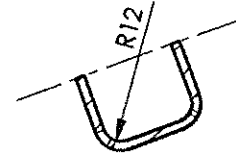
AAA15249

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

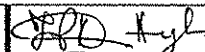
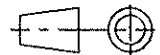
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



SECTION A-A



SECTION C-C

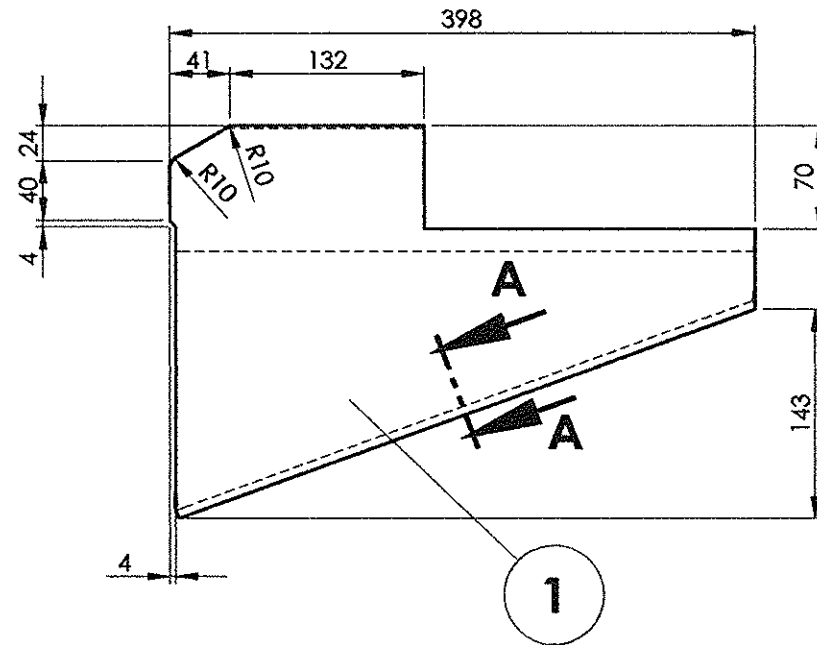
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QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.261			WT/ASSY IN Kgs:5.939		
CONSOLE					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	
						DRN	A.Palanichamy & T J K VELU
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600088					AAA15249		A3

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS 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.

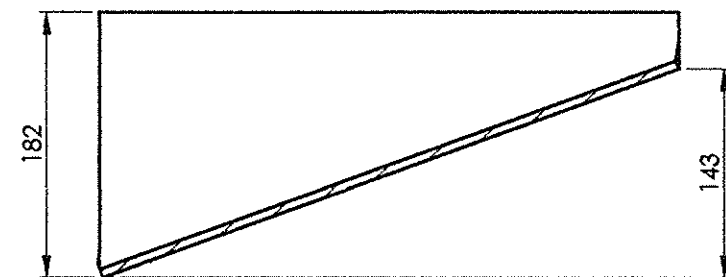
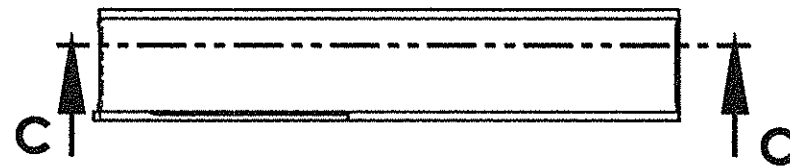
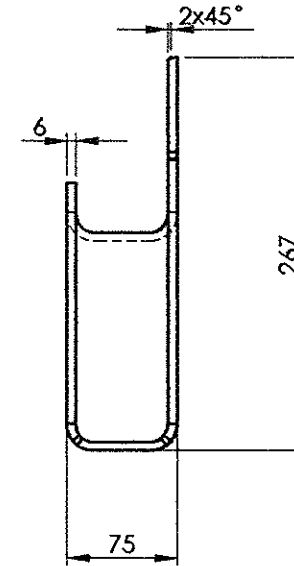
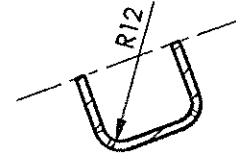
AAA15249

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

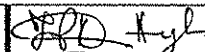
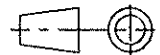
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



SECTION A-A



SECTION C-C

1	CONSOLE	6x440x451	1		IRS M-41-1997	5.916	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.261			WT/ASSY IN Kgs:5.939		
CONSOLE					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	
						DRN	A.Palanichamy & T J K VELU
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600088					AAA15249		A3

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS REFER DRAWING NO ICF/STD-9-0-001.  
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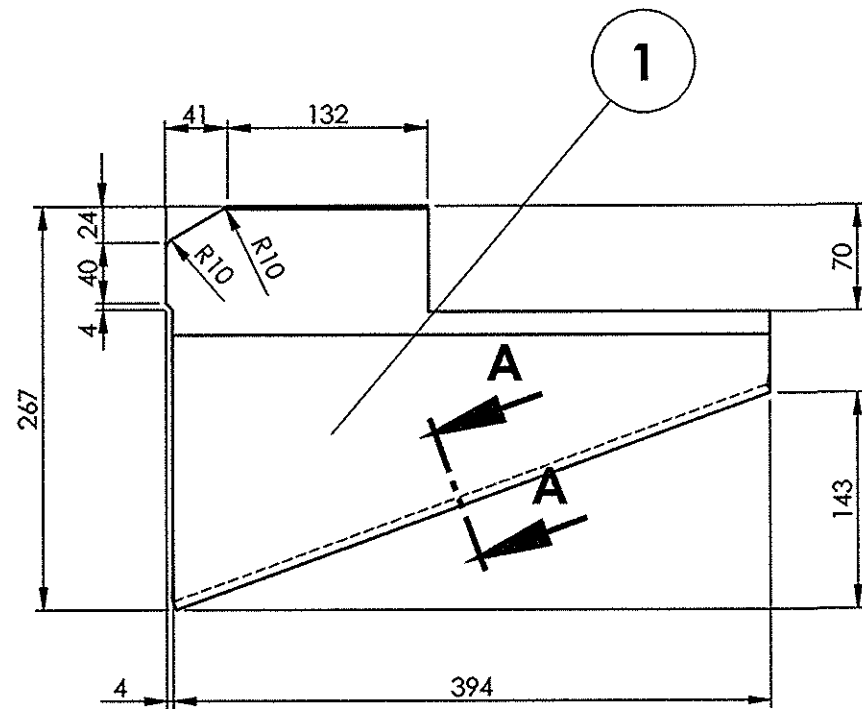
AAA15250

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

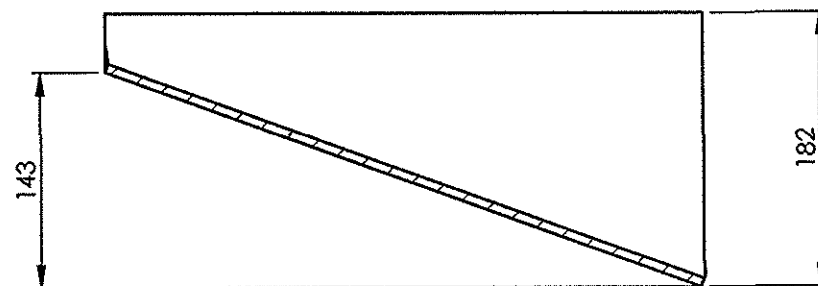
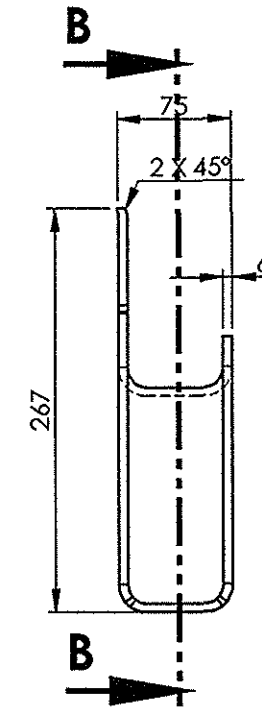
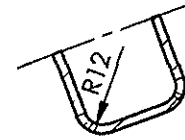
① ROUGH CLEANED  
①b BURRS REMOVED  
⑱ CHAMFERED

## REVISIONS

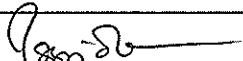
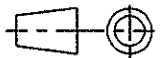
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MAT. SPEC. ALTERED FROM RDSO/SPEC C-K 201 X2CrNi12 TO IRS M41-97.	<i>[Signature]</i>



SECTION A-A



SECTION B-B

1	CONSOLE	6x440x451	1		IRS M-41-1997	5.92	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.261			WT/ASSY IN Kgs:5.939		
CONSOLE					SCALE	SSE/D	
					1:5	CHD	
					ALT. a	ALTD	V.S.SRIDHARAN
						DRN	T.J.Kumaravelu
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA15250		A3

30-06-2013	28-03-2013	<i>[Signature]</i> 30/6
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. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

REF.DRG.NO.

AAA15250

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

① ROUGH CLEANED  
①b BURRS REMOVED  
⑱ CHAMFERED

## REVISIONS

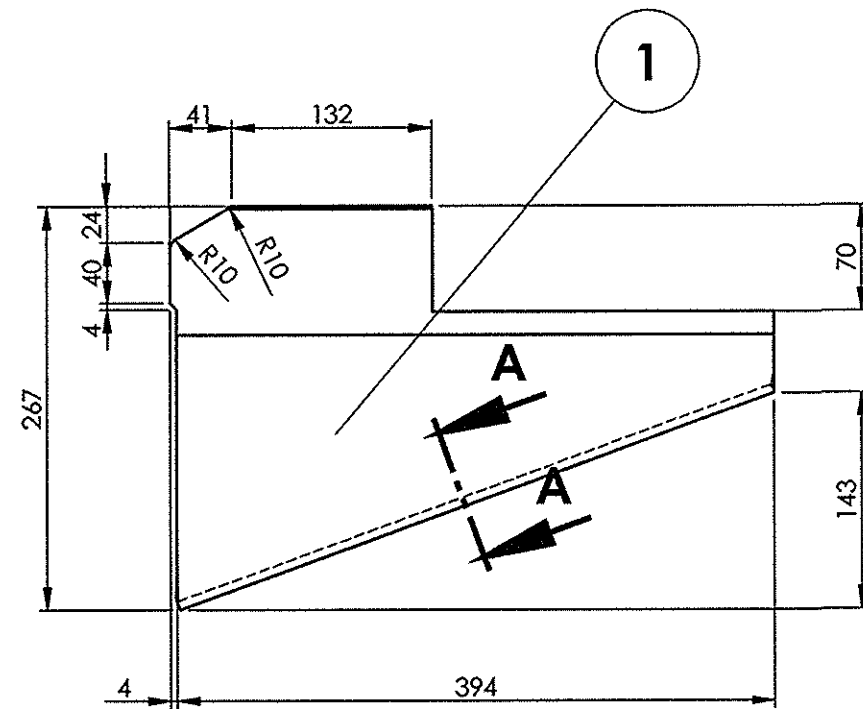
ALT.

ZONE

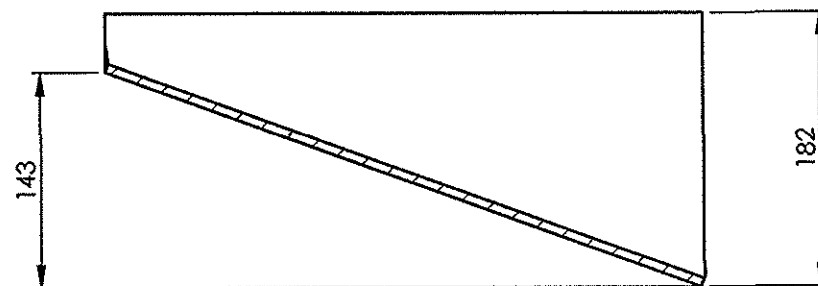
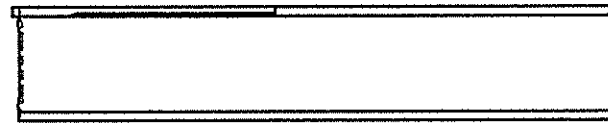
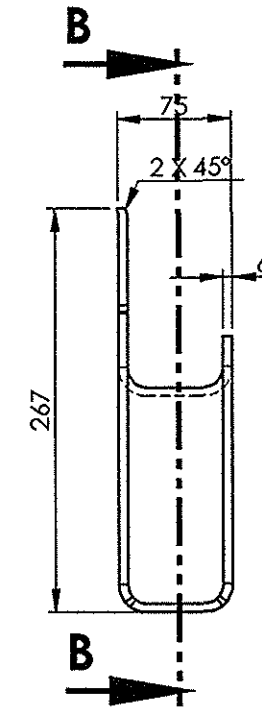
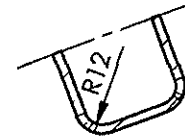
DESCRIPTION

APPROVED &  
DATE

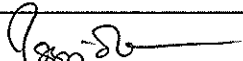
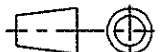
a

MAT. SPEC. ALTERED FROM RDSO/SPEC C-K 201 X2CrNi12 TO  
IRS M41-97.

SECTION A-A



SECTION B-B

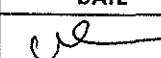
1	CONSOLE	6x440x451	1		IRS M-41-1997	5.92	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.261			WT/ASSY IN Kgs:5.939		
CONSOLE					SCALE	SSE/D	
					1:5	CHD	
					ALT. a	ALTD	V.S.SRIDHARAN
						DRN	T.J.Kumaravelu
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1	AAA15250	A3

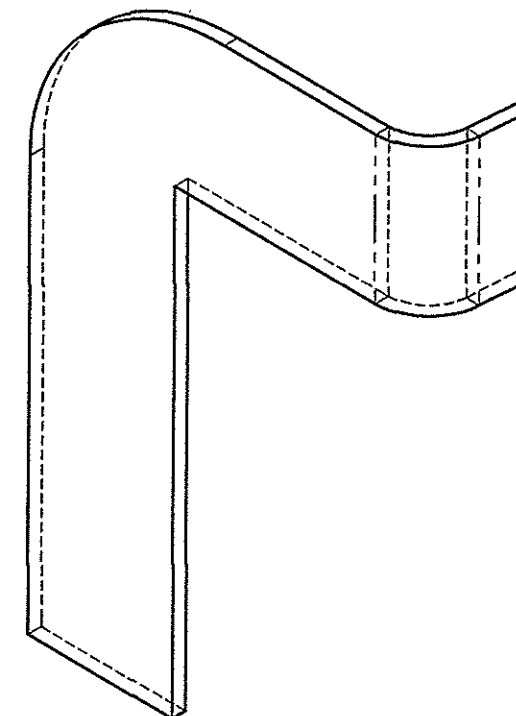
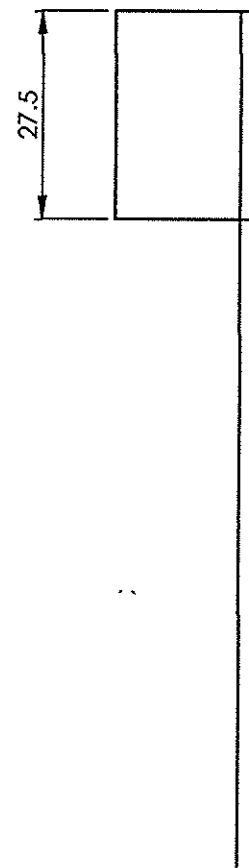
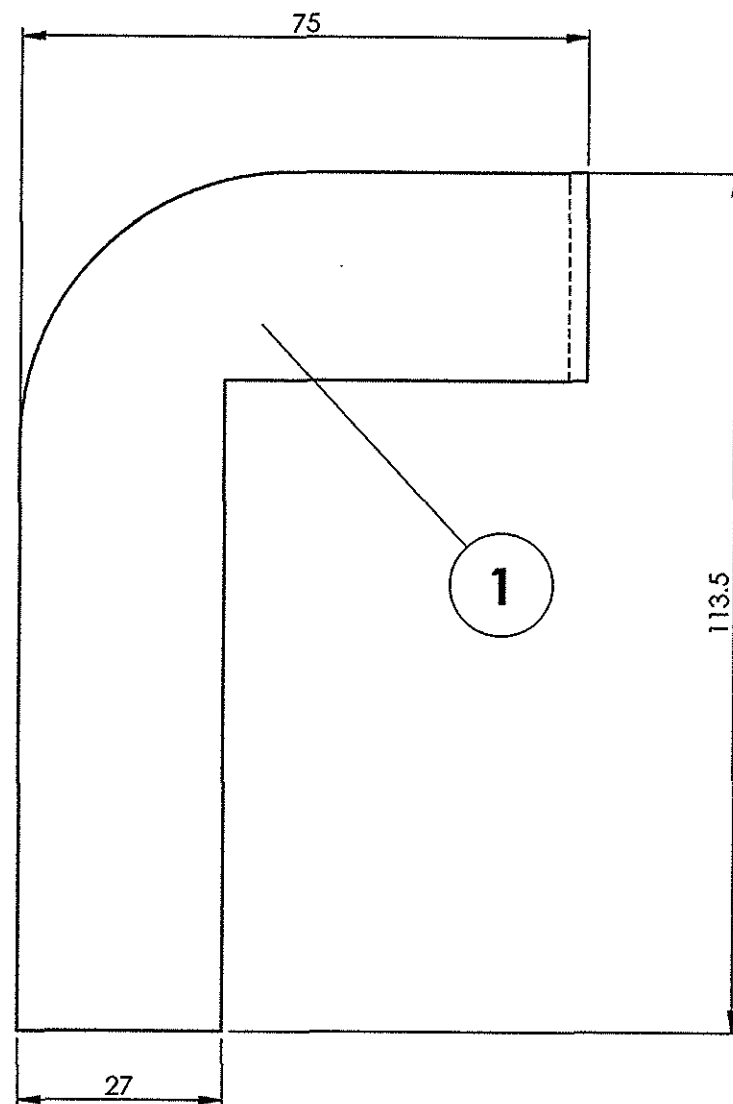
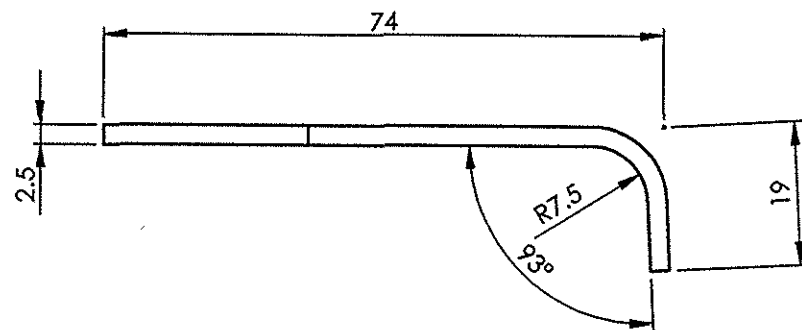
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.  
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

REF.DRG.NO.

AAA15252

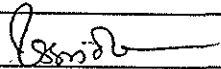
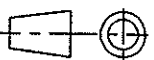
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	



3D VIEW


ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS 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.

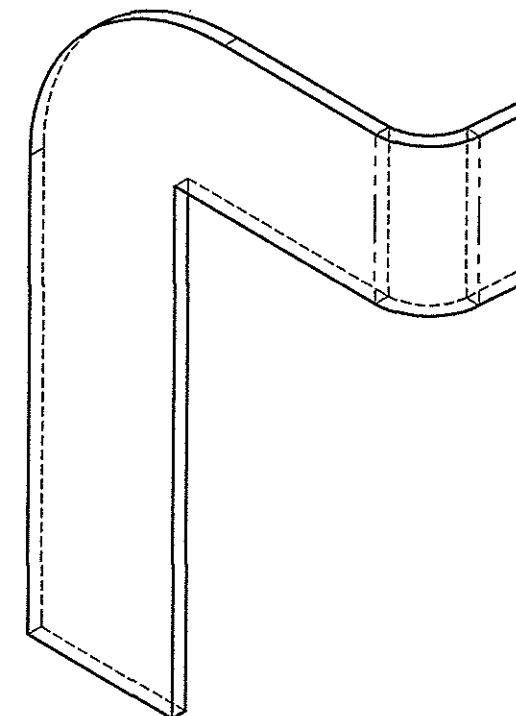
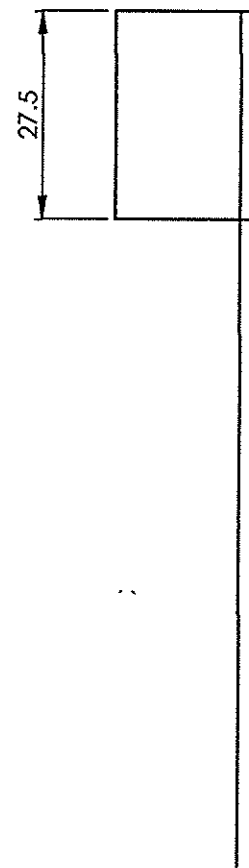
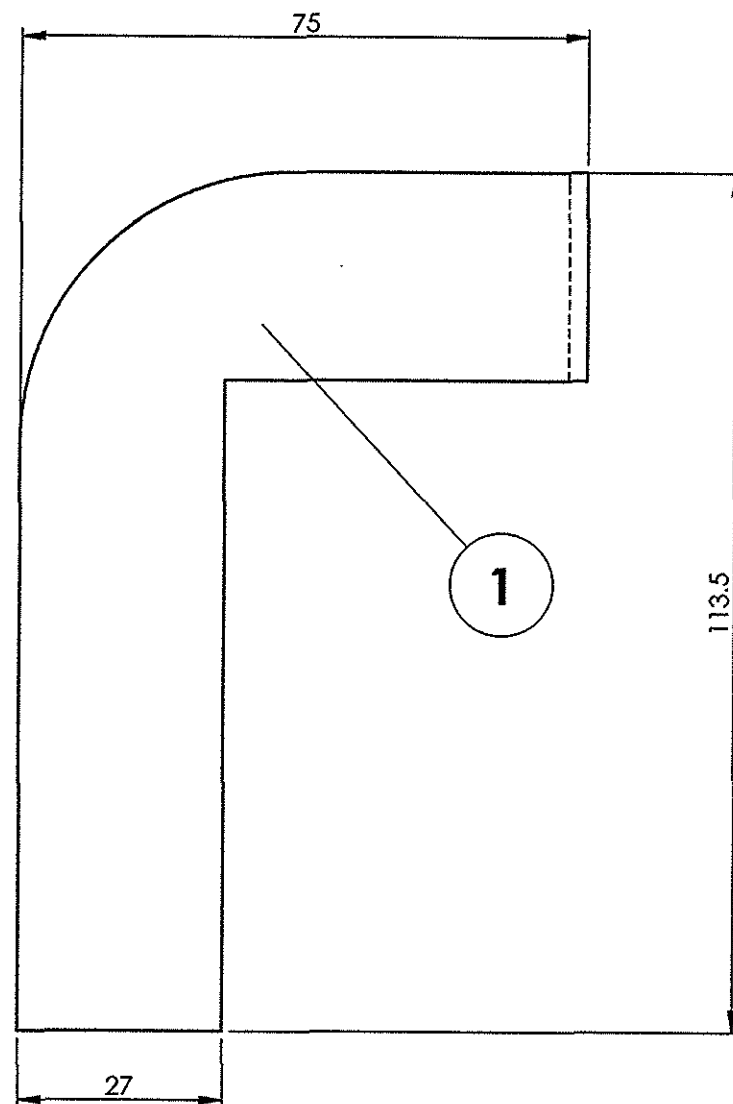
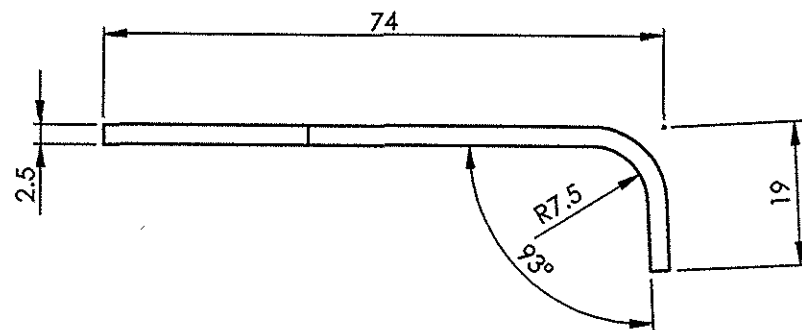
1	REINFORCEMENT	2.5x87x114	1		RDSO/SPEC C-K201 X2CrNi12	0.089	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.010			WT/ASSY IN Kgs:0.089		
REINFORCEMENT					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	B.SARAVANAN
					a	DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			A3
					AAA15252		

30 -06-2013	26-02-2010	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	SME/AME

AAA15252

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	



3D VIEW

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS 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.

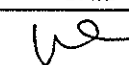
1	REINFORCEMENT	2.5x87x114	1		RDSO/SPEC C-K201 X2CrNi12	0.089	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5				SURFACE AREA IN Sq.m.:0.010		WT/ASSY IN Kgs:0.089	
REINFORCEMENT					SCALE 1:1	SSE/D CHD	<i>[Signature]</i>
					ALT. a	ALTD DRN	B.SARAVANAN D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1		
					AAA15252		A3

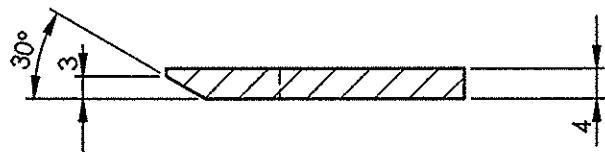
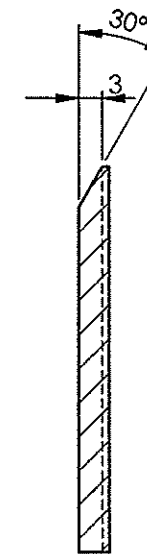
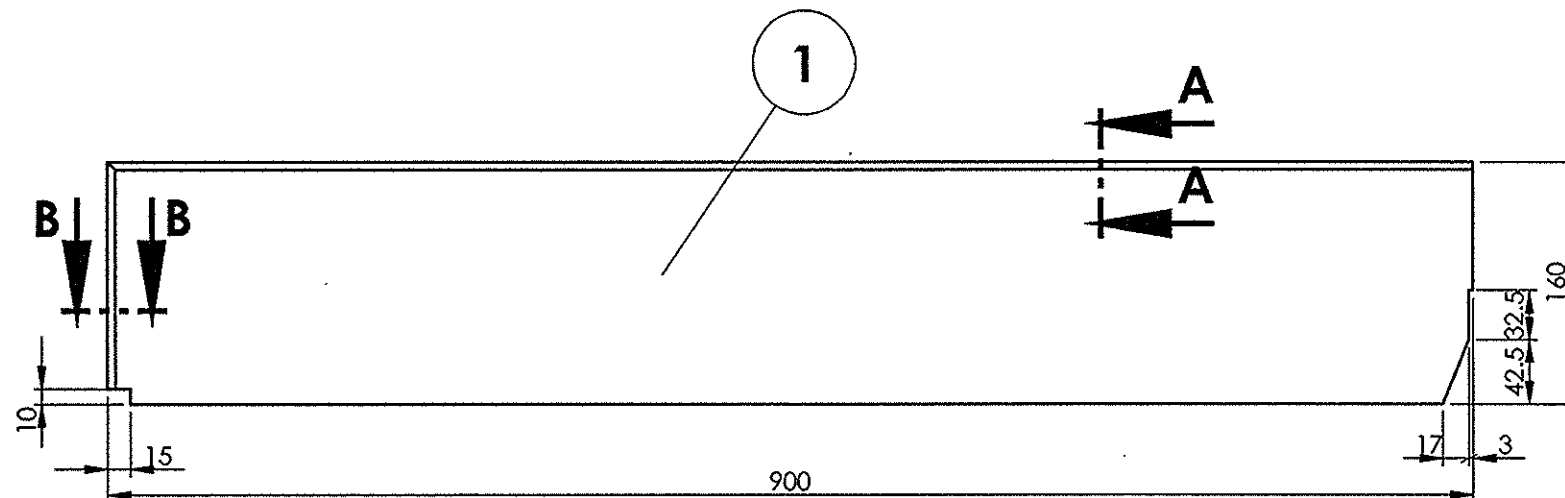
30-06-2013	26-02-2010	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	SME/AME

AAA15253

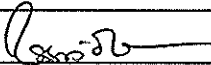
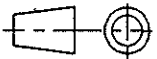
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	

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

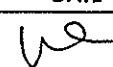
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS REFER DRAWING NO ICF/STD-9-0-001.  
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

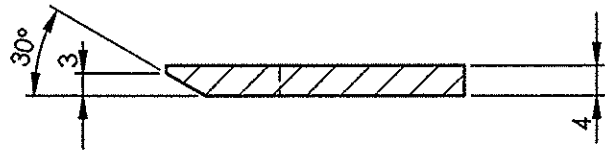
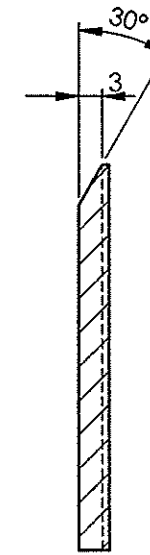
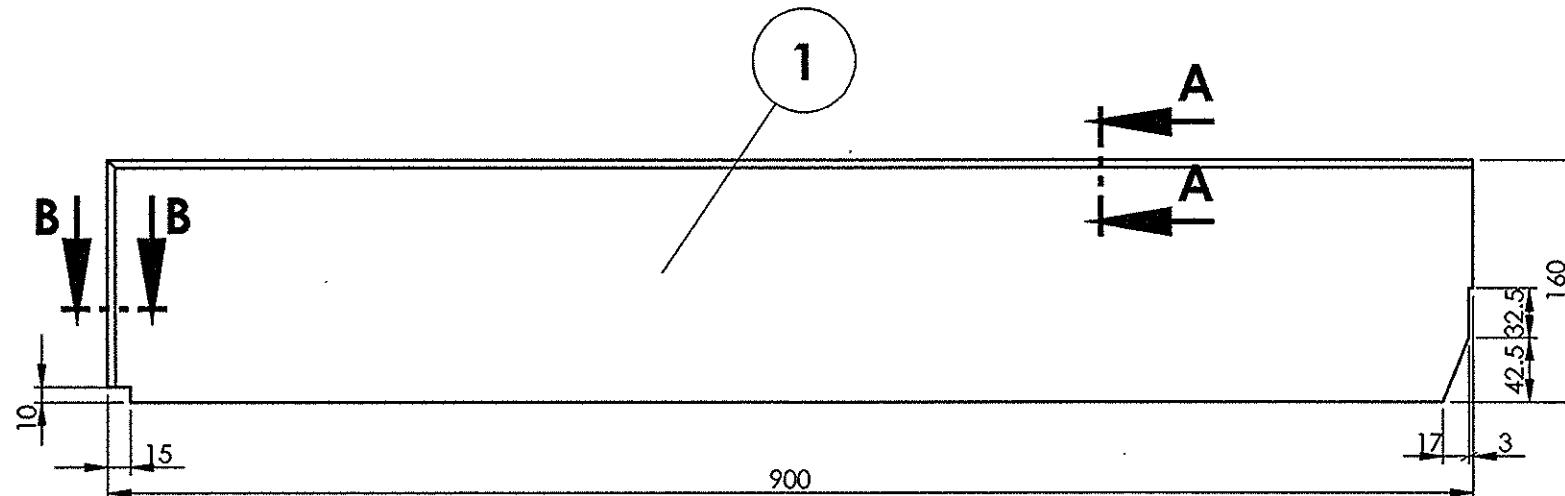
1	FRAMEWORK PART	4x160X900	1		RDSO/SPEC C-K201 X2CrNi12	4.519		
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.293			WT/ASSY IN Kgs:4.519			
FRAMEWORK					SCALE	SSE/D		
					1:5	CHD		
					ALT. a	ALTD	B.SARAVANAN	
						DRN	D.MOSES & T J K VELU	
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038								
					SHEET 1 OF 1	AAA15253	A3	



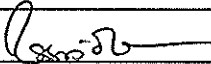


AAA15253

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	

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

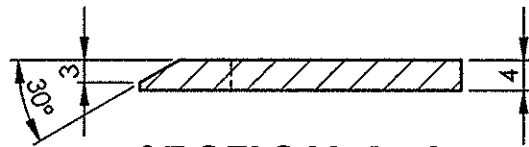
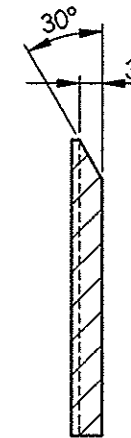
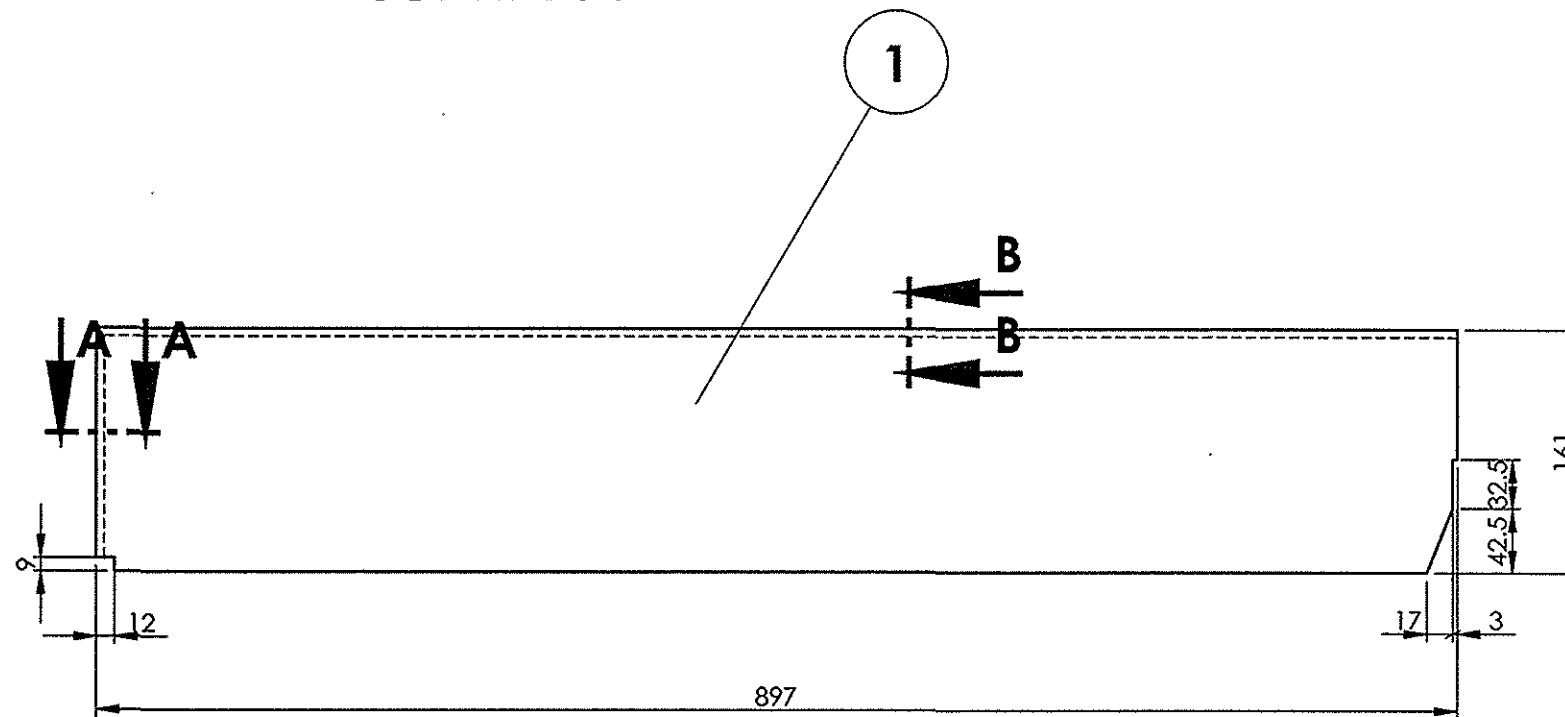
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS REFER DRAWING NO ICF/STD-9-0-001.  
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

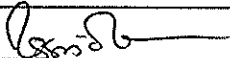

1	FRAMEWORK PART	4x160X900	1		RDSO/SPEC C-K201 X2CrNi12	4.519	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.293			WT/ASSY IN Kgs:4.519		
FRAMEWORK					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	B.SARAVANAN
					a	DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA15253		A3

AAA15254

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		R.M.SIZE ALTD. FROM 4x160x900 TO 4x160x897 AND MATERIAL SPEC. ALTD.FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	

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

1	FRAMEWORK PART	4x160x897	1		RDSO/SPEC C-K201 X2CrNi12	4.520	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.293			WT/ASSY IN Kgs:4.520		
FRAMEWORK					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	B.SARAVANAN
					a	DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600088					AAA15254	A3	

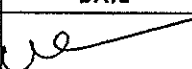
30-06-2013	26-02-2010	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

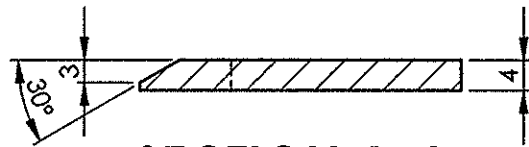
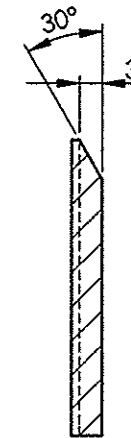
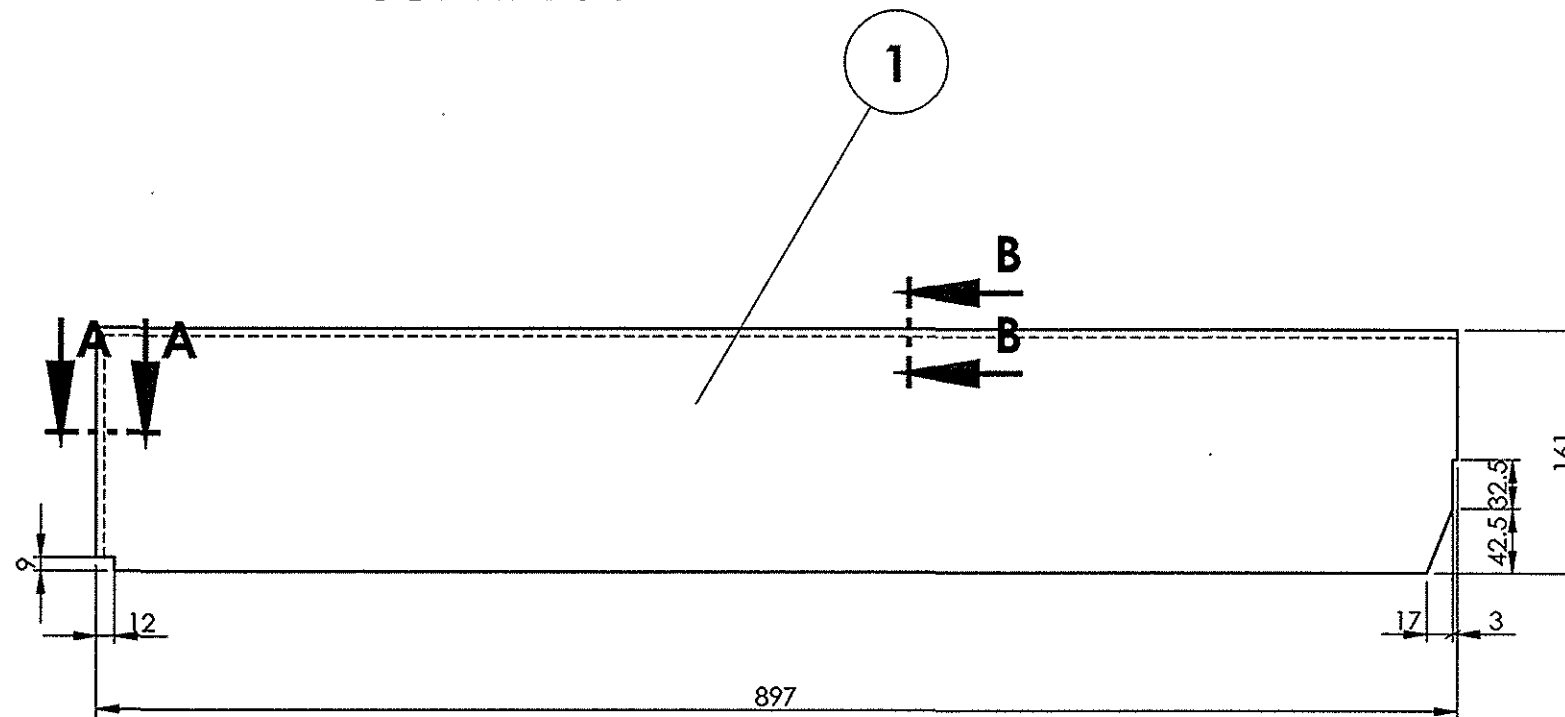
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

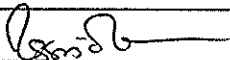

REF.DRG.NO.

AAA15254

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		R.M.SIZE ALTD. FROM 4x160x900 TO 4x160x897 AND MATERIAL SPEC. ALTD.FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	

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

1	FRAMEWORK PART	4x160x897	1		RDSO/SPEC C-K201 X2CrNi12	4.520	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.293			WT/ASSY IN Kgs:4.520		
FRAMEWORK					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	B.SARAVANAN
					a	DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600088					AAA15254	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.

AAA15257

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED

⑥1b BURRS REMOVED

①8 CHAMFERED

## REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &  
DATE

a

R.M.SIZE ALTD. FROM 4x70x189 TO 4x70x194 AND MATERIAL  
SPEC. ALTD FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12ue  
20

1

56

156

194

R15

70

4

-07-2013

26-02-2010

AME/SME

DATE OF LATEST ALT.

DATE OF FIRST ISSUE

INDIAN RAILWAY STANDARDS

INTEGRAL COACH FACTORY, CHENNAI - 600038

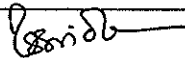

SHEET  
1 OF 1

AAA15257

A3

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

REF.DRG.NO.

1	REINFORCEMENT	4x70x194	1		RDSO/SPEC C-K201 X2CrNi12	0.362		
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.025			WT/ASSY IN Kgs:0.362			
REINFORCEMENT					SCALE	SSE/D		
					1:2	CHD		
					ALT. a	ALTD	B.SARAVANAN	
						DRN	D.MOSES & T J K VELU	
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038								
					SHEET 1 OF 1	AAA15257		
						A3		

AAA15257

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED

⑥1b BURRS REMOVED

①8 CHAMFERED

## REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &  
DATE

a

R.M.SIZE ALTD. FROM 4x70x189 TO 4x70x194 AND MATERIAL  
SPEC. ALTD FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12  
2/12

1

56

156

194

R15

70

4

-07-2013

26-02-2010

AME/SME

DATE OF LATEST ALT.

DATE OF FIRST ISSUE

INDIAN RAILWAY STANDARDS

INTEGRAL COACH FACTORY, CHENNAI - 600038

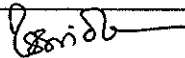

SHEET  
1 OF 1

AAA15257

A3


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

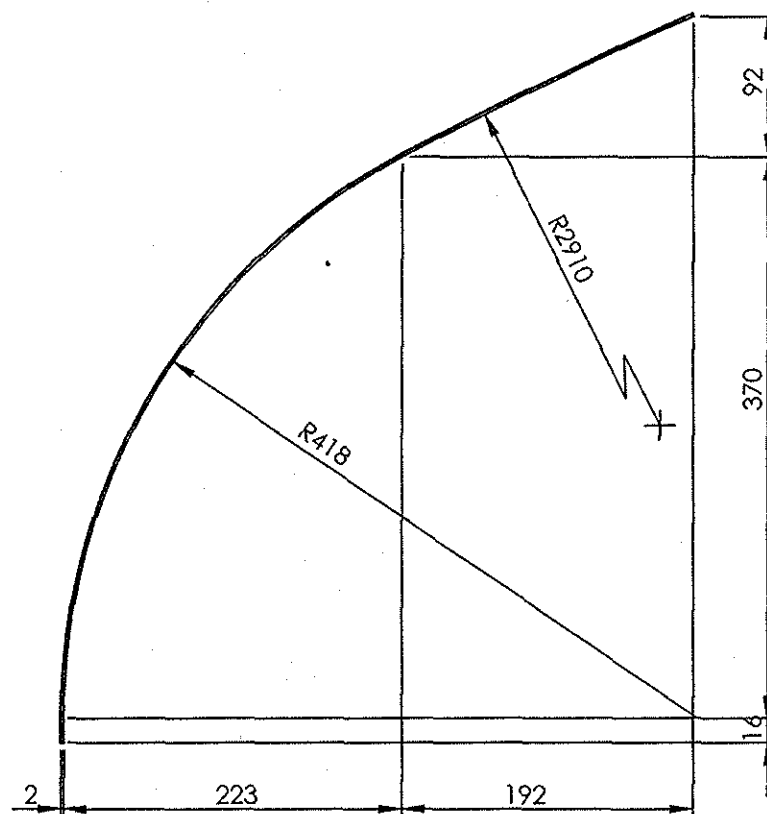
REF.DRG.NO.

1	REINFORCEMENT	4x70x194	1		RDSO/SPEC C-K201 X2CrNi12	0.362		
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.025			WT/ASSY IN Kgs:0.362			
REINFORCEMENT					SCALE	SSE/D		
					1:2	CHD		
					ALT. a	ALTD	B.SARAVANAN	
						DRN	D.MOSES & T J K VELU	
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1				
					AAA15257			A3

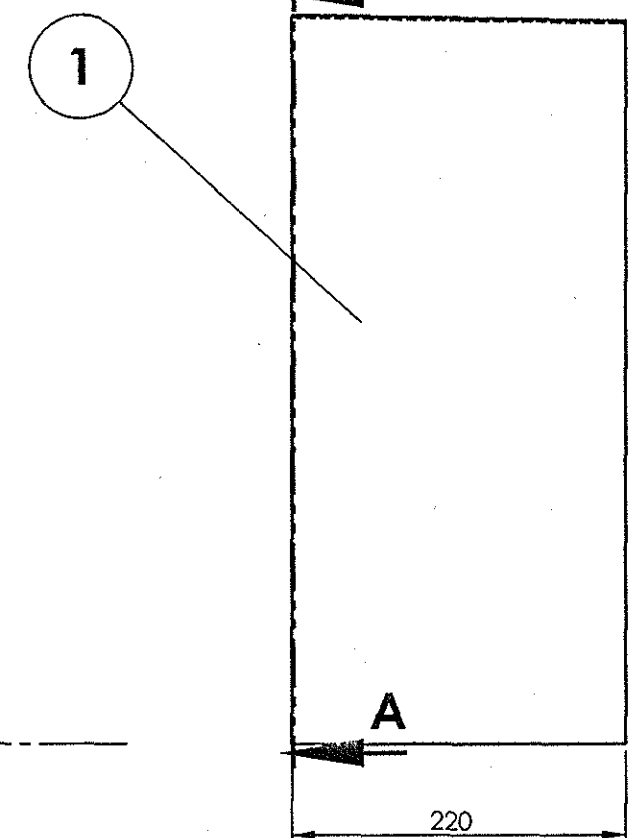
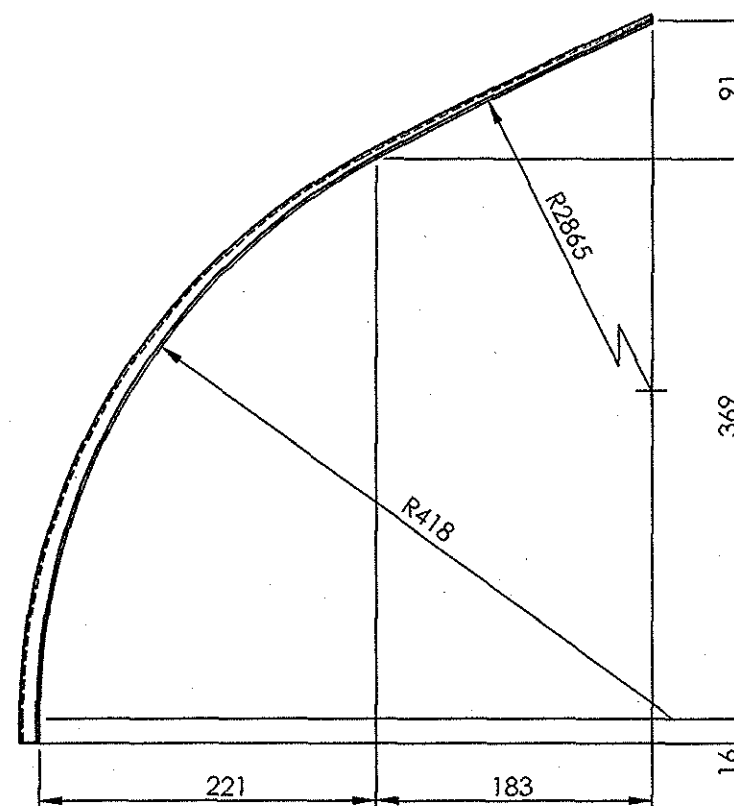
AAA15259

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


REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC REVISED	 19/1



SECTION A-A



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS 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.

1	COVERING SHEET	2x218x676	1		RDSO/SPEC C-K201 X2CrNi12	2.389	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.296			WT/ASSY IN Kgs:2.340		
COVERING SHEET					SCALE	SSE/D	L. Srinivas
					1:5	CHD	
					ALT.	ALTD	TIKYA NAIK.M
					a	DRN	A.Palanichamy & T.J K VELU
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600038				AAA15259		A3	

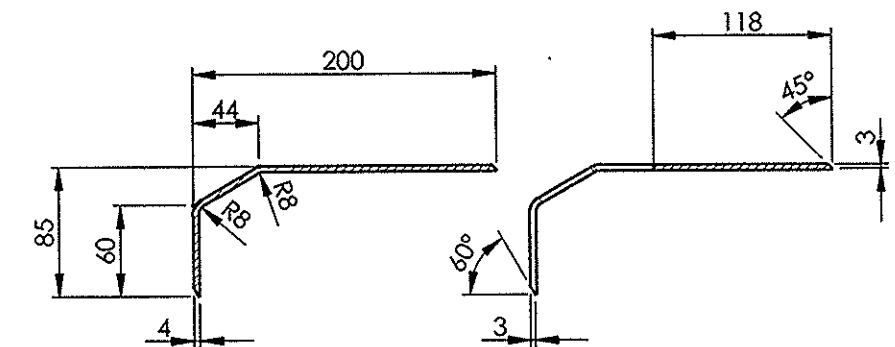
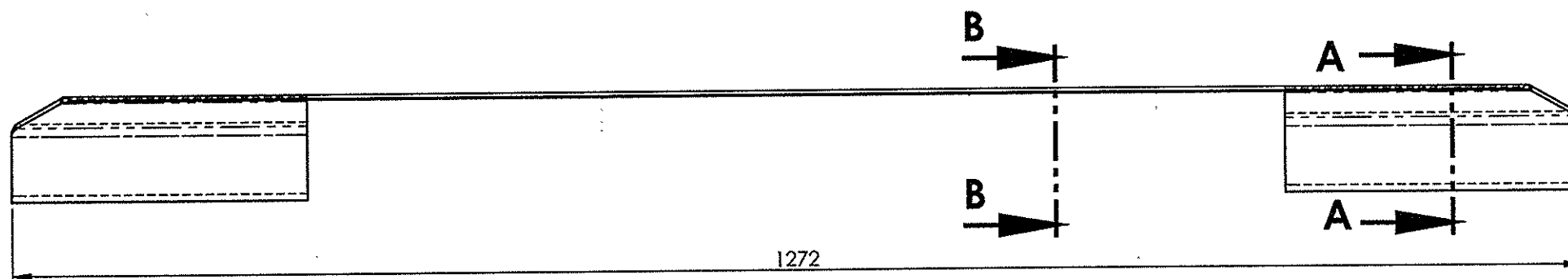
19-02-2016	26-02-2010	<i>A.M.</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	SME

AAA15261

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

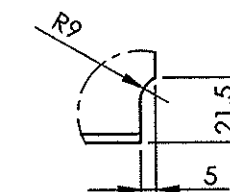
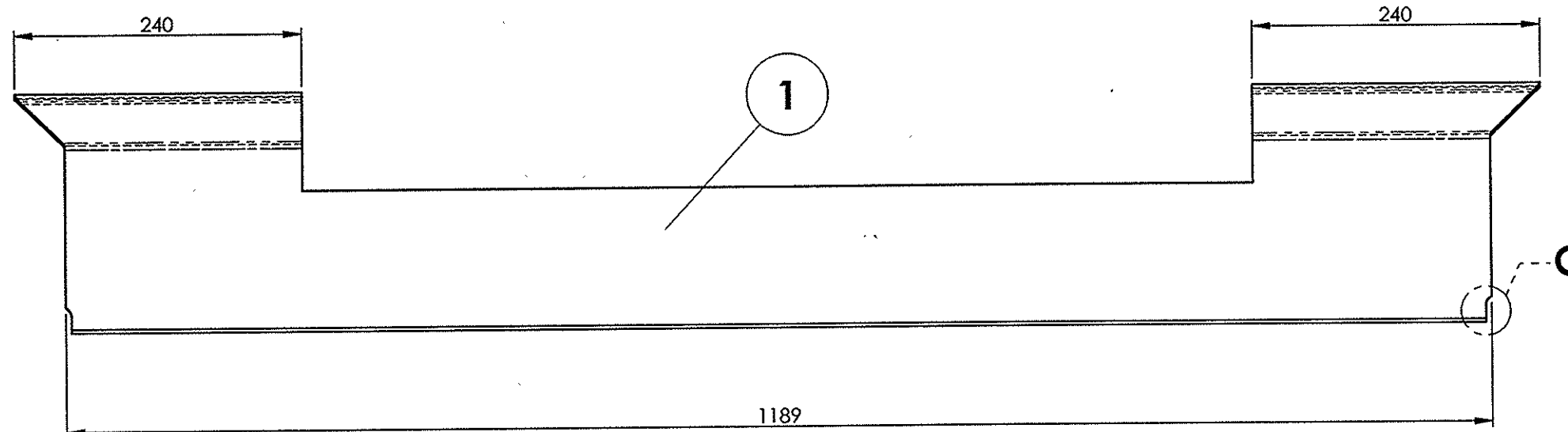
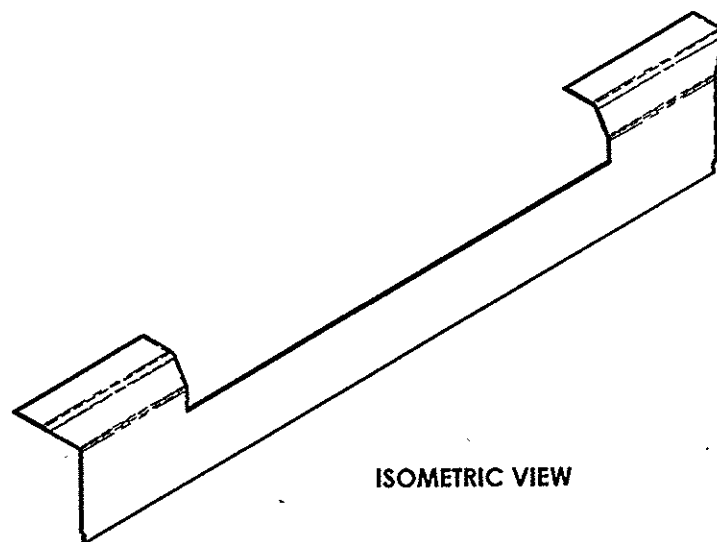
## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	<i>[Signature]</i>

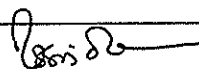


SECTION A-A

SECTION B-B

DETAIL C  
SCALE 2 : 5

ISOMETRIC VIEW

1	SILL	4x261.5x1272	1		RDSO/SPEC C-K201 X2CrNi12	6.458	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.418			WT/ASSY IN Kgs:6.458		
SILL					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	B.SARAVANAN
					a	DRN	A.Palanichamy & T J K VELU
					INDIAN RAILWAY STANDARDS		
INTEGRAL COACH FACTORY, CHENNAI - 600088			AAA15261				

-07-2013	24-12-2009	<i>[Signature]</i>
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. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

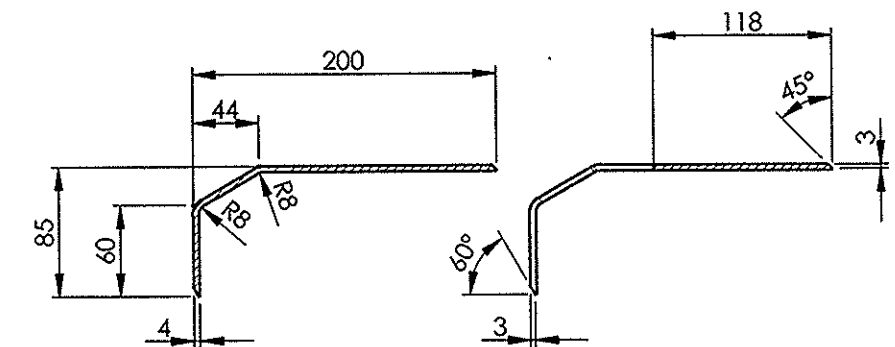
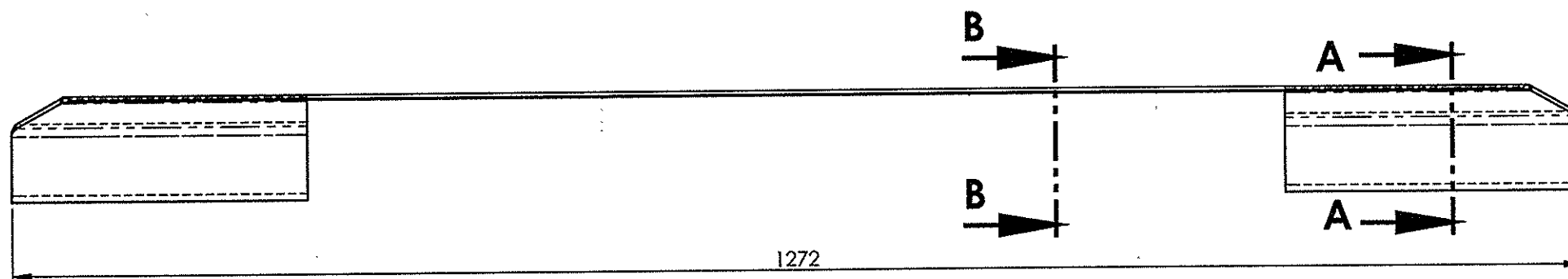
REF.DRG.NO.

AAA15261

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

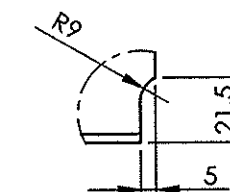
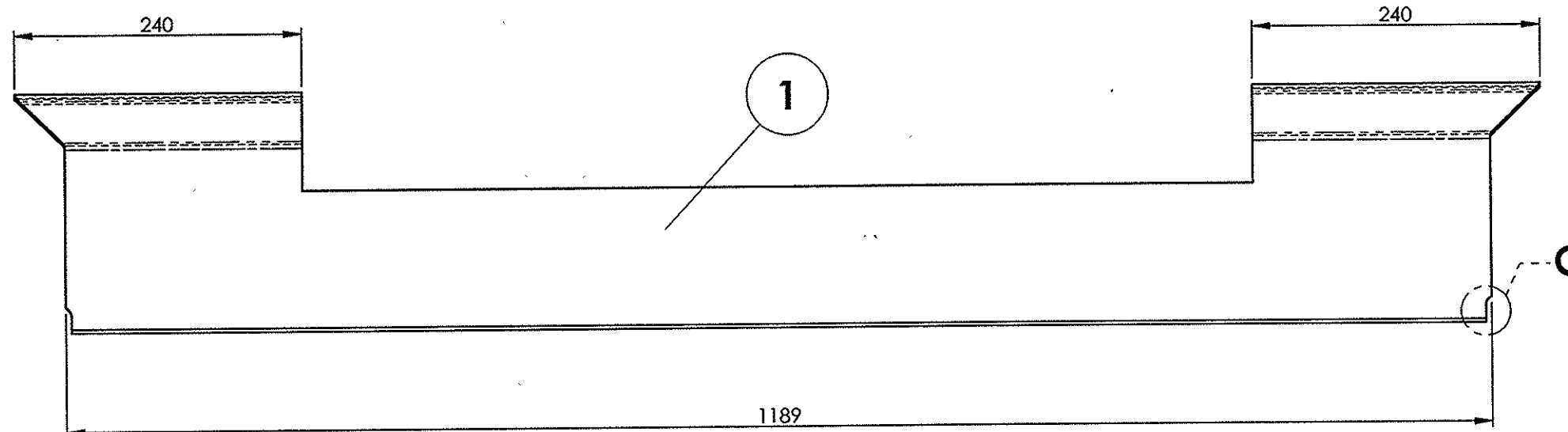
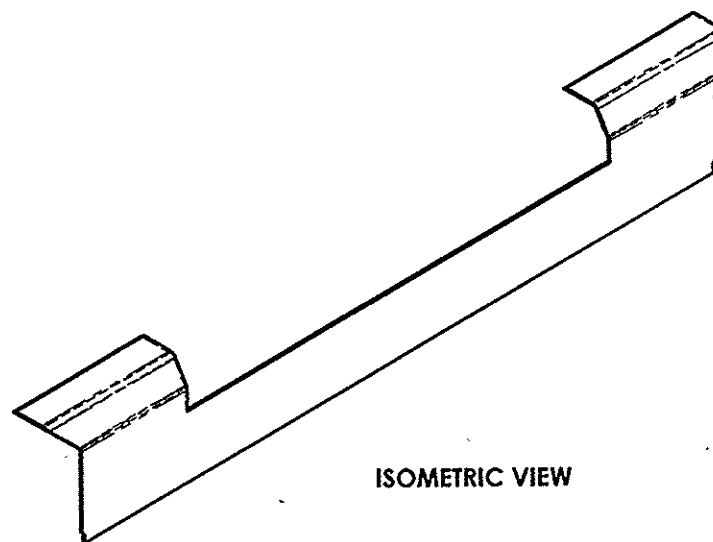
## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12	<i>[Signature]</i>

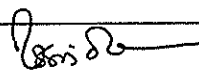
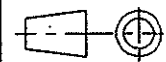


SECTION A-A

SECTION B-B

DETAIL C  
SCALE 2 : 5

ISOMETRIC VIEW

1	SILL	4x261.5x1272	1		RDSO/SPEC C-K201 X2CrNi12	6.458	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.418			WT/ASSY IN Kgs:6.458		
SILL					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	B.SARAVANAN
					a	DRN	A.Palanichamy & T J K VELU
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600088				SHEET 1 OF 1		AAA15261	
						A3	

-07-2013	24-12-2009	<i>[Signature]</i>
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. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

REF.DRG.NO.

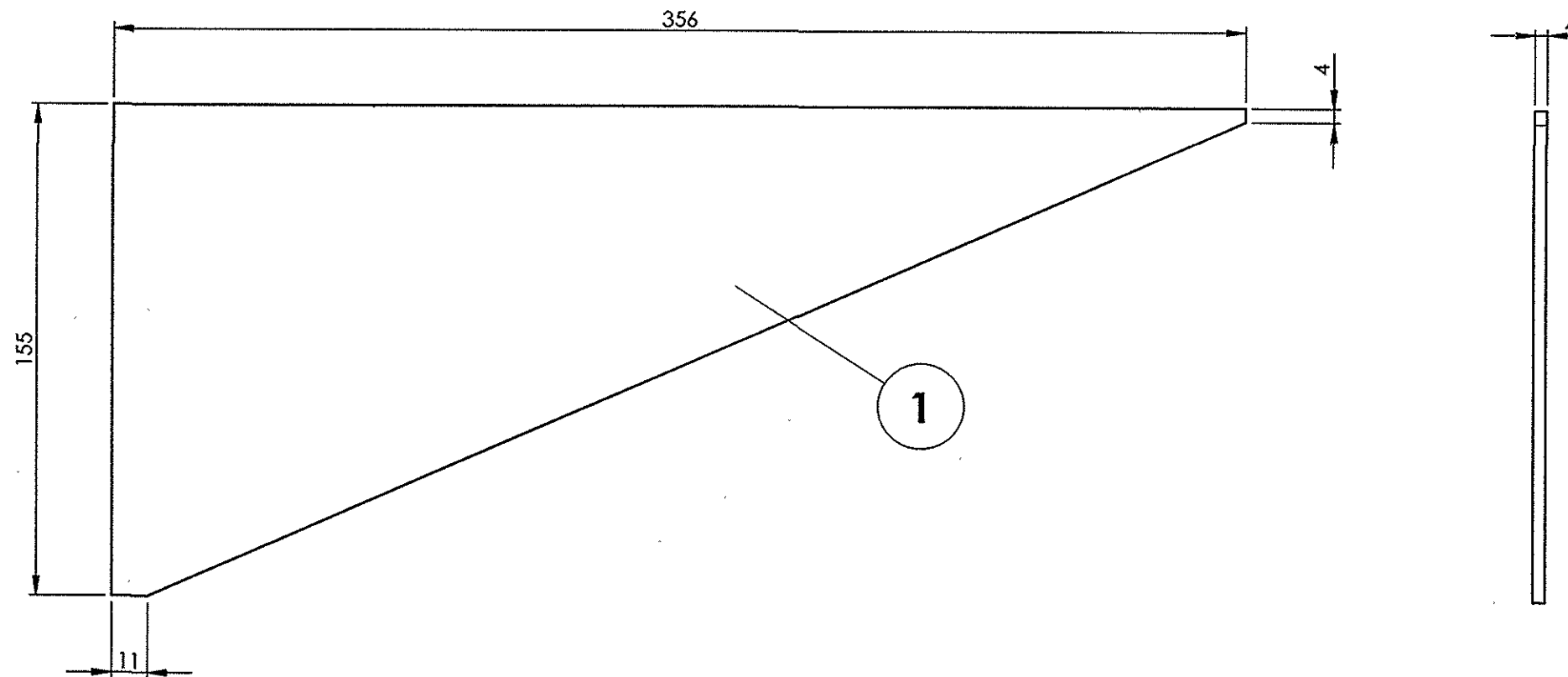


AAA15263

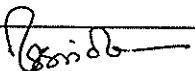
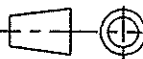
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12.	<i>ue</i> 21/11



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.

1	WEB	4x155x356	1		RDSO/SPEC C-K201 X2CrNi12	0.935	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.062			WT/ASSY IN Kgs:0.935		
WEB					SCALE	SSE/D	
					1:2	CHD	
					ALT.	ALTD	B.SARAVANAN
					a	DRN	A.Palanichamy & T J K VELU
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1	AAA15263		A3

-07-2013	24-12-2009	<i>ue</i> 21/11
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

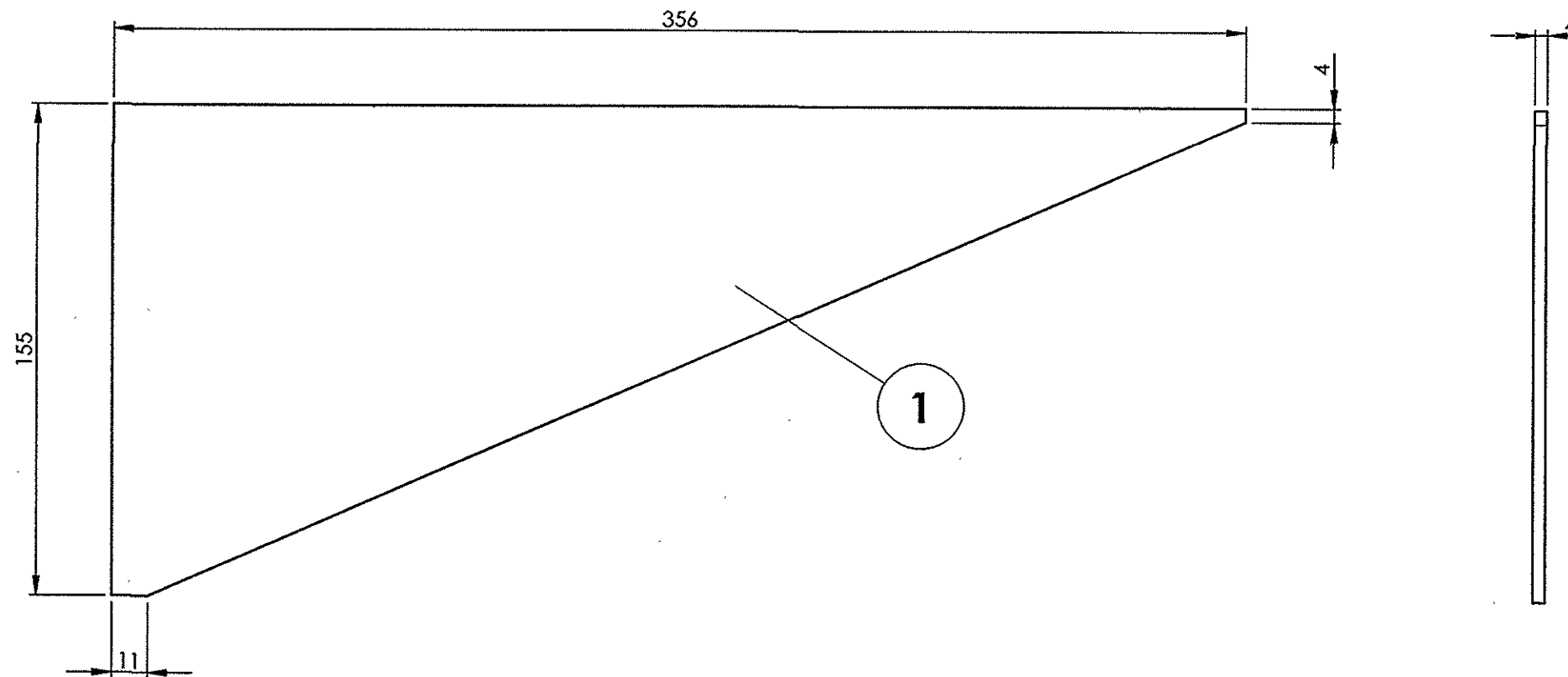
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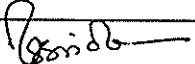
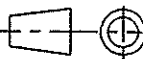
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO RDSO/SPEC. C-K201 X2CrNi12.	<i>ue</i> 21/11



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.

1	WEB	4x155x356	1		RDSO/SPEC C-K201 X2CrNi12	0.935	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.062			WT/ASSY IN Kgs:0.935		
WEB					SCALE	SSE/D	
					1:2	CHD	
					ALT.	ALTD	B.SARAVANAN
					a	DRN	A.Palanichamy & T J K VELU
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA15263		A3

-07-2013	24-12-2009	<i>ue</i> 21/11
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

REF.DRG.NO.

AAA15264

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED

② BURRS REMOVED

③ CHAMFERED

REVISIONS

ALT.

ZONE

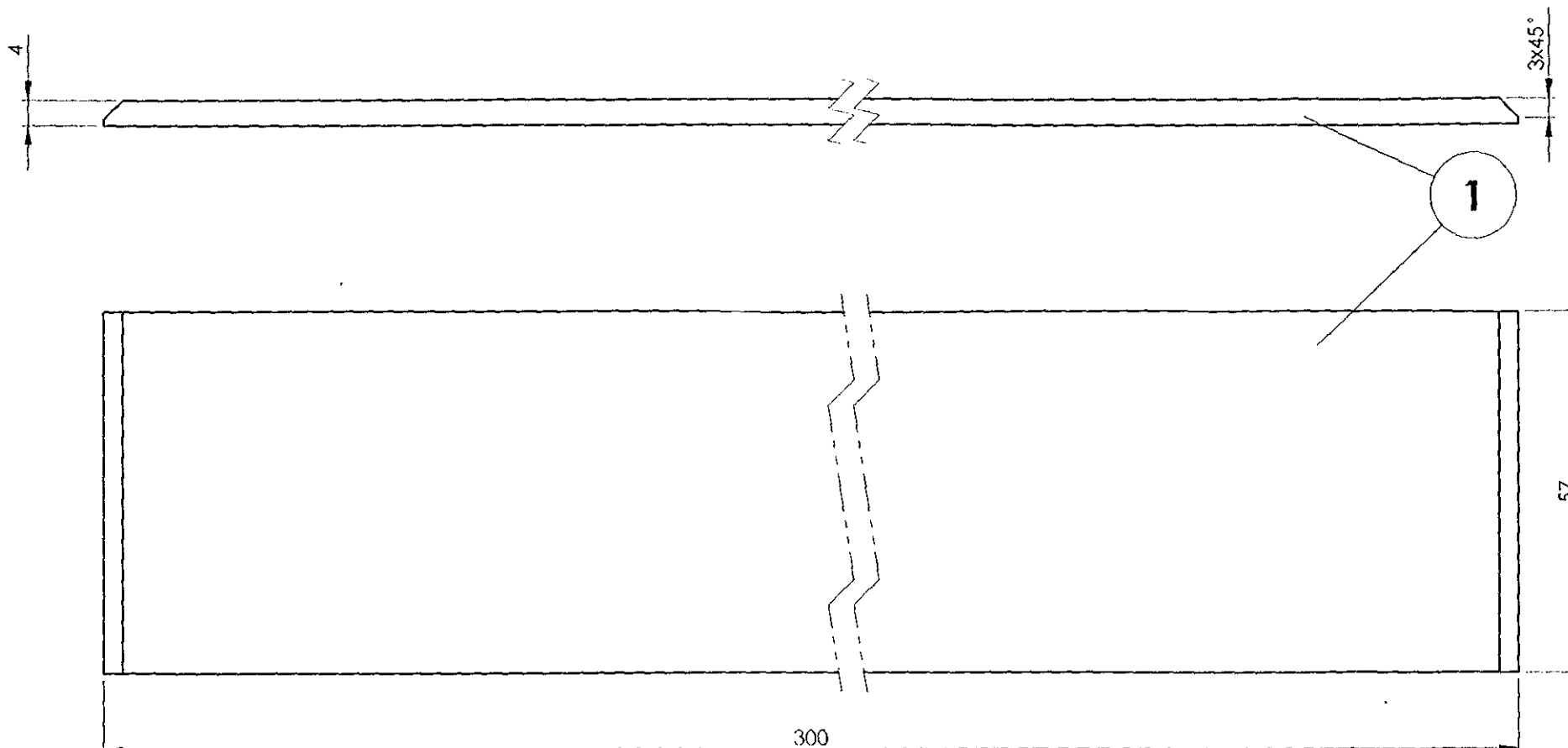
DESCRIPTION

APPROVED &  
DATE

a

R.M. LENGTH ALTD. FROM 400 TO 300

10-11-2013



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS 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.

1	SHEET	4x57x300	1		RDSO/SPEC C-K201 X2CrNi12	0.543	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.049		WT/ASSY IN Kgs:0.730			
SHEET					SCALE	SSF/D	B.SARAVANAN A.Palanichamy & T J K
					1:1	CHD	
					ALT.	ALTD	
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA15264		A3
28-03-2013		24-12-2009					
DATE OF LATEST ALT.		DATE OF FIRST ISSUE		SME			

AAA15264

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED

② BURRS REMOVED

③ CHAMFERED

REVISIONS

ALT.

ZONE

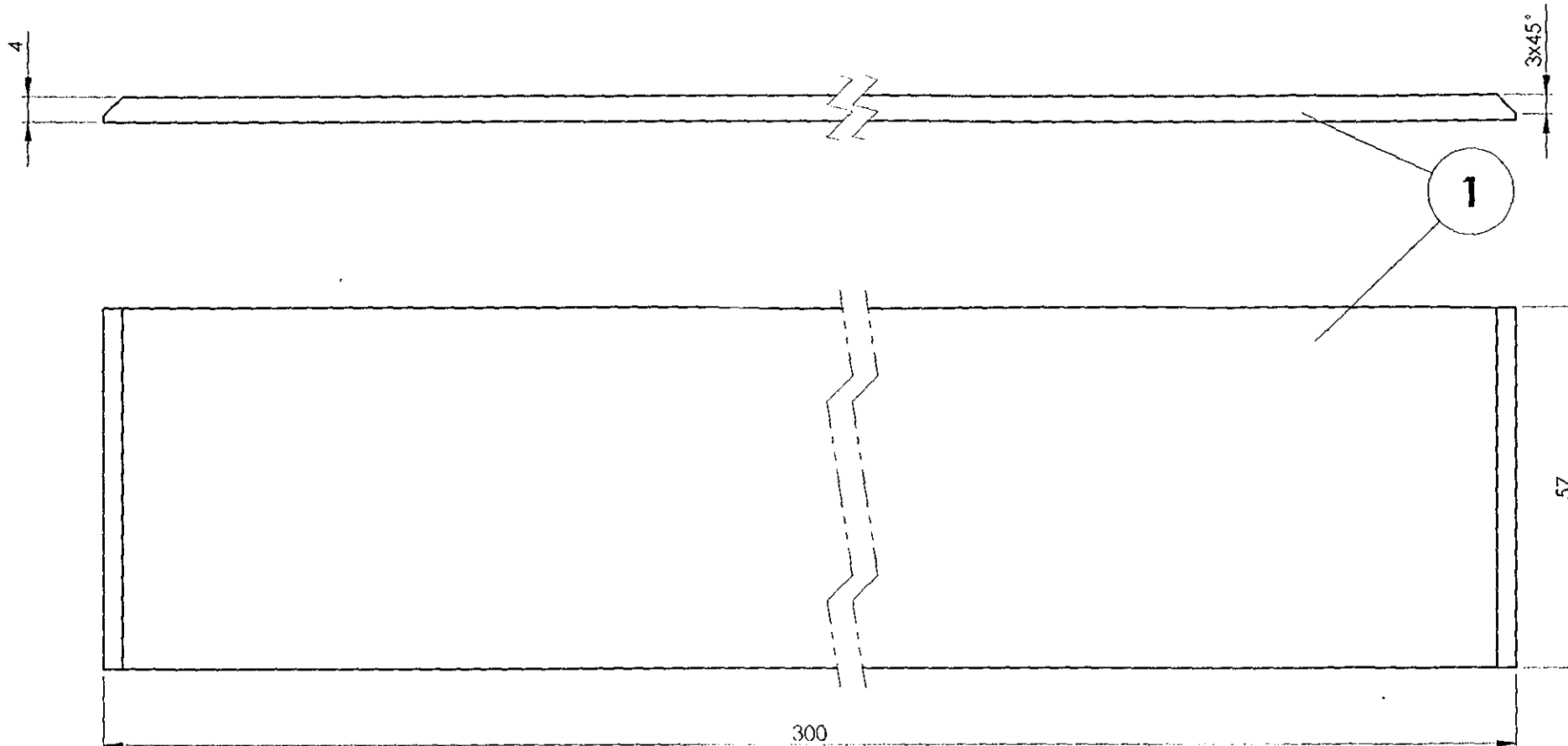
DESCRIPTION

APPROVED &  
DATE

a

R.M. LENGTH ALTD. FROM 400 TO 300

10-11-2013



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS 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.

1	SHEET	4x57x300	1		RDSO/SPEC C-K201 X2CrNi12	0.543	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 END CONSTRUCTION		SURFACE AREA IN Sq.m.:0.049		WT/ASSY IN Kgs:0.730			
SHEET					SCALE	SSR/D	B.SARAVANAN A.Palanichamy & T J K
					1:1	CHD	
					ALT.	ALTD	
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA15264		A3
28-03-2013		24-12-2009					
DATE OF LATEST ALT.		DATE OF FIRST ISSUE		SME			

3

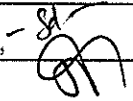
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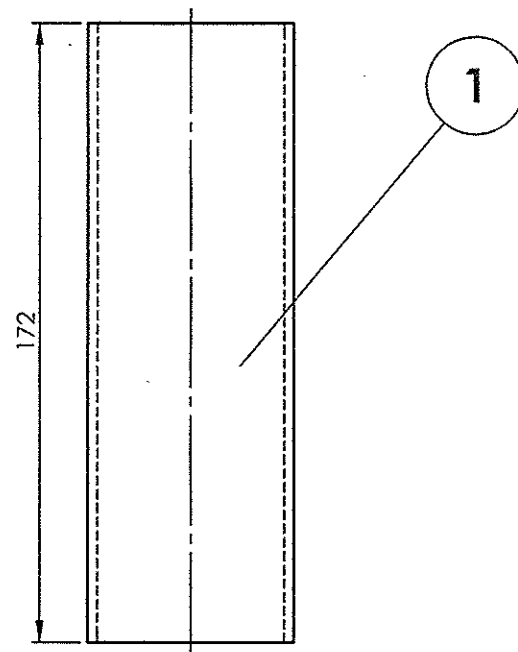
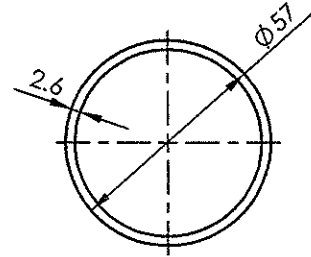
A3

1		2		3		4		5		6		7		8																																																																															
AAA15278				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS																																																																																					
				▽▽ FINISH MACHINED		①b BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE																																																																															
				▽▽▽ FINE FINISH MACHINED		①8 CHAMFERED		a				MATERIAL SPEC REVISED.		19/1																																																																															
<div><div>15</div><div>15</div><div>6</div><div>1</div></div>																																																																																													
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS 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.																																																																																													
<table><tr><td>1</td><td>BACK PIECE</td><td>6x15x15</td><td>1</td><td></td><td>RDSO/SPEC C-K201 X2CrNi12</td><td>0.011</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.:0.001</td><td>WT/ASSY IN Kgs:0.011</td></tr><tr><td colspan="5" rowspan="3">BACK PIECE</td><td>SCALE</td><td>SSE/D</td><td>19/1</td></tr><tr><td>5:1</td><td>CHD</td><td></td></tr><tr><td>ALT.</td><td>ALTD</td><td>M.S.NETHAJI</td></tr><tr><td colspan="5"></td><td>a</td><td>DRN</td><td>A.Palanichamy &amp; T J K VELU</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="5">19-02-2010</td><td colspan="2">26-02-2010</td><td></td></tr><tr><td colspan="5">DATE OF LATEST ALT.</td><td colspan="2">DATE OF FIRST ISSUE</td><td>SME</td></tr></table>																1	BACK PIECE	6x15x15	1		RDSO/SPEC C-K201 X2CrNi12	0.011		QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-5 END CONSTRUCTION					SURFACE AREA IN Sq.m.:0.001		WT/ASSY IN Kgs:0.011	BACK PIECE					SCALE	SSE/D	19/1	5:1	CHD		ALT.	ALTD	M.S.NETHAJI						a	DRN	A.Palanichamy & T J K VELU	INDIAN RAILWAY STANDARDS					SHEET 1 OF 1			INTEGRAL COACH FACTORY, CHENNAI - 600038								19-02-2010					26-02-2010			DATE OF LATEST ALT.					DATE OF FIRST ISSUE		SME
1	BACK PIECE	6x15x15	1		RDSO/SPEC C-K201 X2CrNi12	0.011																																																																																							
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS																																																																																						
GROUP: 1-5 END CONSTRUCTION					SURFACE AREA IN Sq.m.:0.001		WT/ASSY IN Kgs:0.011																																																																																						
BACK PIECE					SCALE	SSE/D	19/1																																																																																						
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					ALT.	ALTD	M.S.NETHAJI																																																																																						
					a	DRN	A.Palanichamy & T J K VELU																																																																																						
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AAA15287

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

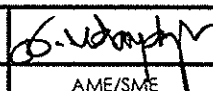
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL SPEC. ALTD. FROM SS-409M TO IS:6913-'73 Tab-1 Gr-'B'	
b		NOTE ADDED	

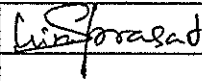
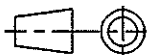
**NOTE:**

1. ALTERNATIVELY AISI-304 IS ACCEPTABLE

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.

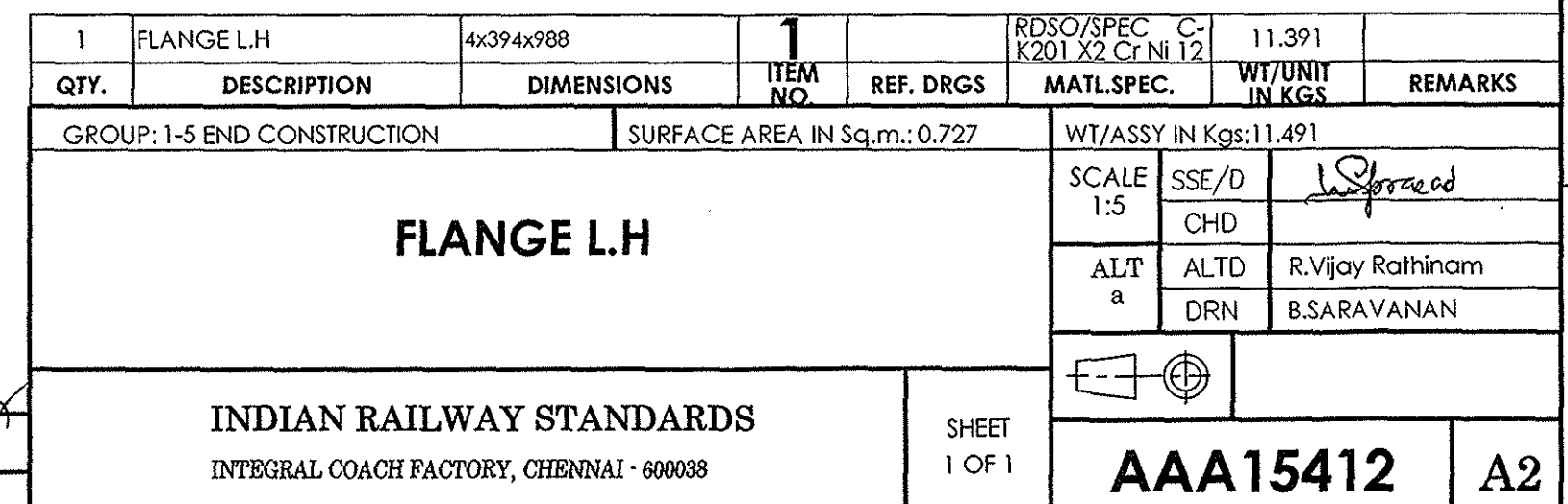
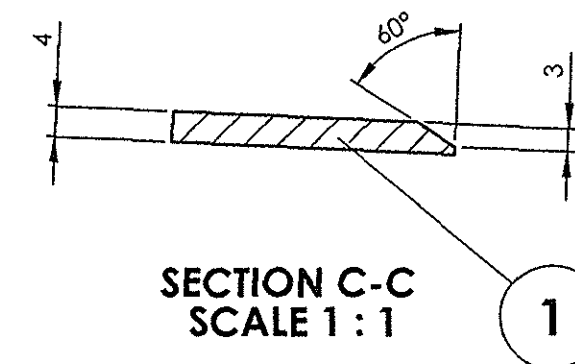
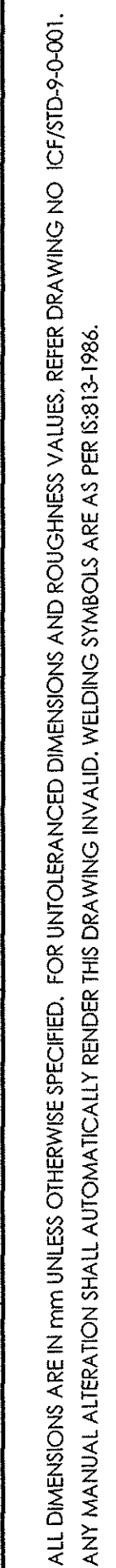
REF.DRG.NO.3.10113.0.26.120.034 ITEM-2


27-07-2017	26-02-2010	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	PIPE	O.D 57x2.6x172	1		IS:6913-'73 Tab-1 Gr-'B'	0.600	WELDED TUBES
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.059			WT/ASSY IN Kgs:0.678		
PIPE					SCALE	SSE/D	
					1:2	CHD	
					ALT. b	ALTD	ANU C
						DRN	D.MOSES & T J K VELU
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA15287		A3

A
B
C
D
E
F
G
H

Figure 1. A schematic diagram of the experimental design. The diagram shows a sequence of events: a subject is presented with a stimulus (a word or picture), then a response is recorded, and finally, the subject is asked to provide a rating (e.g., 'How difficult was this?'). The diagram also indicates the timing of the stimulus presentation and the response recording.

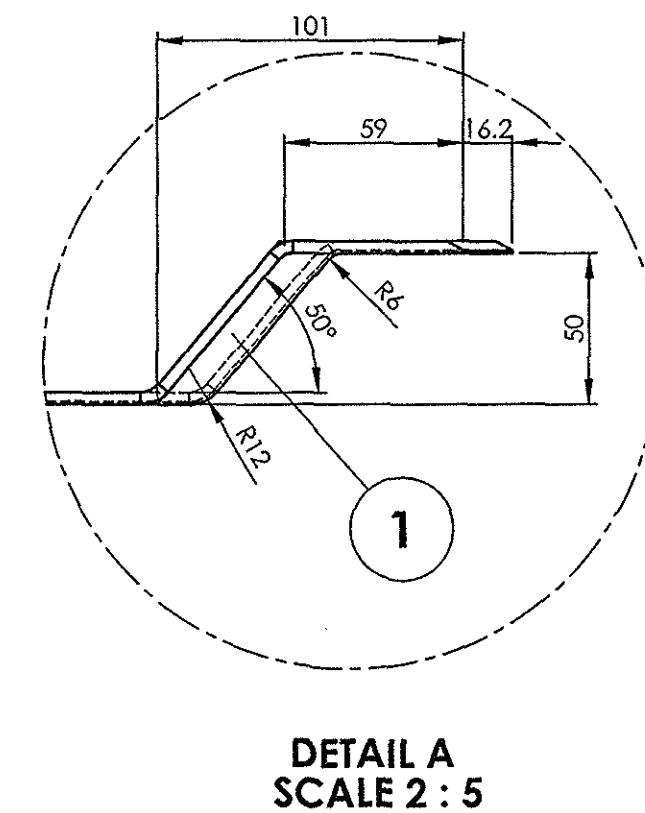



	-03-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	A.M.E./S.M.E.



A	B	C	D	E	F	G	H
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Figure 1. A schematic diagram of the experimental design. The diagram shows a sequence of events: a subject is presented with a stimulus (a word or picture), then a response is recorded (a button press or verbal response), and finally a feedback is provided (a tone or visual cue). The sequence is repeated for multiple trials, with the stimulus and response being varied across trials. The feedback is provided after each response. The diagram also shows a timeline of the experiment, with the stimulus and response occurring within a specific time window, and the feedback occurring immediately after the response. The timeline is divided into segments for stimulus presentation, response recording, and feedback provision. The segments are labeled with their respective durations in seconds. The diagram illustrates the experimental design for the study, showing the sequence of events and the timing of the stimulus, response, and feedback.



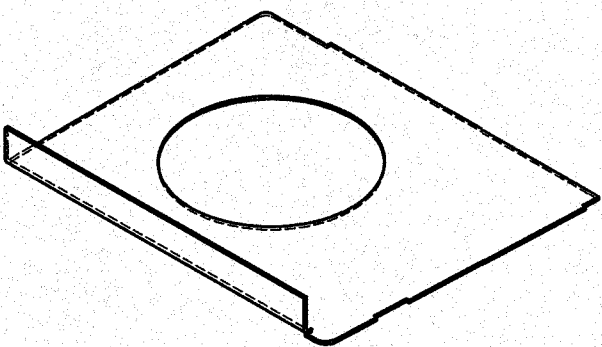
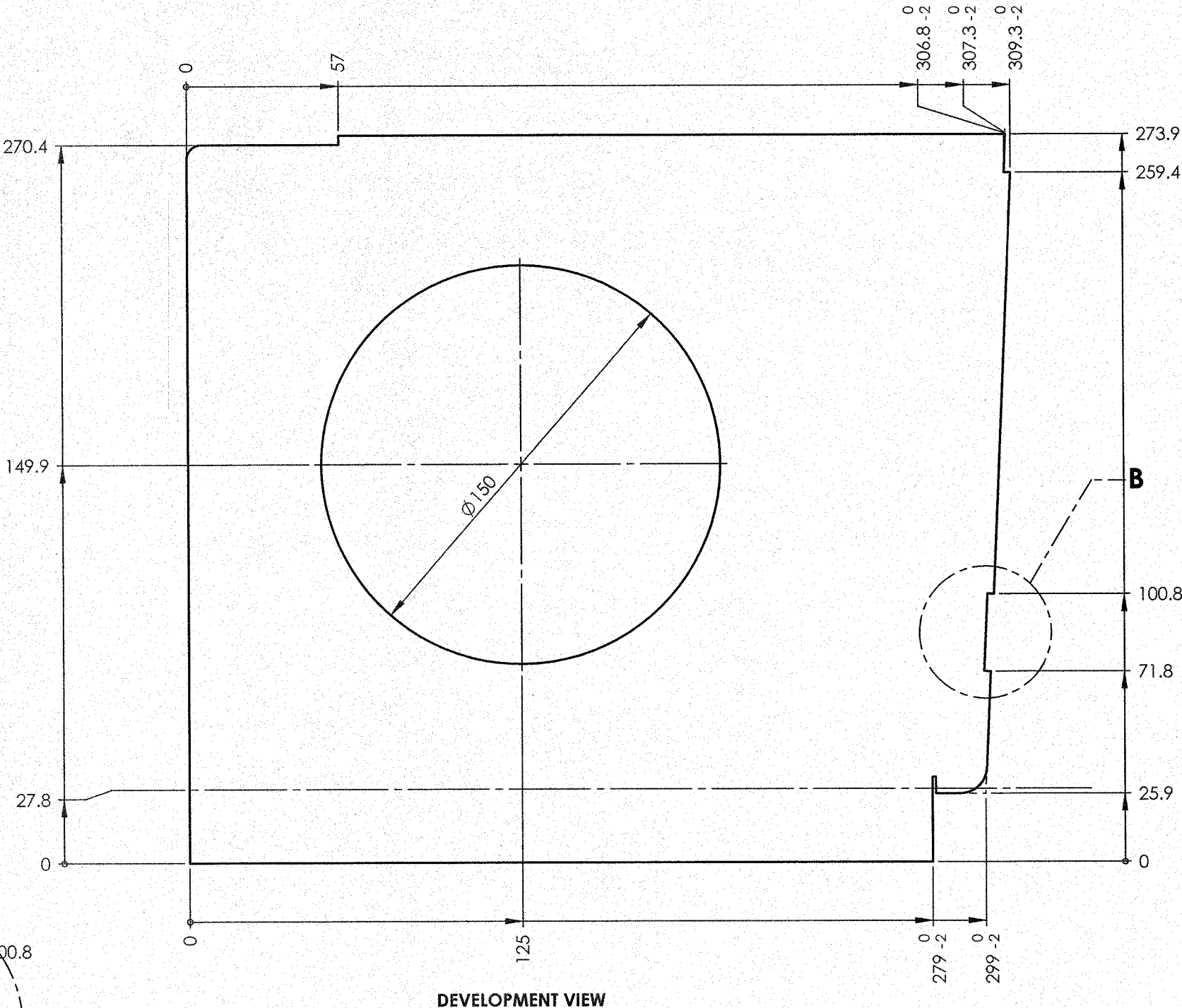
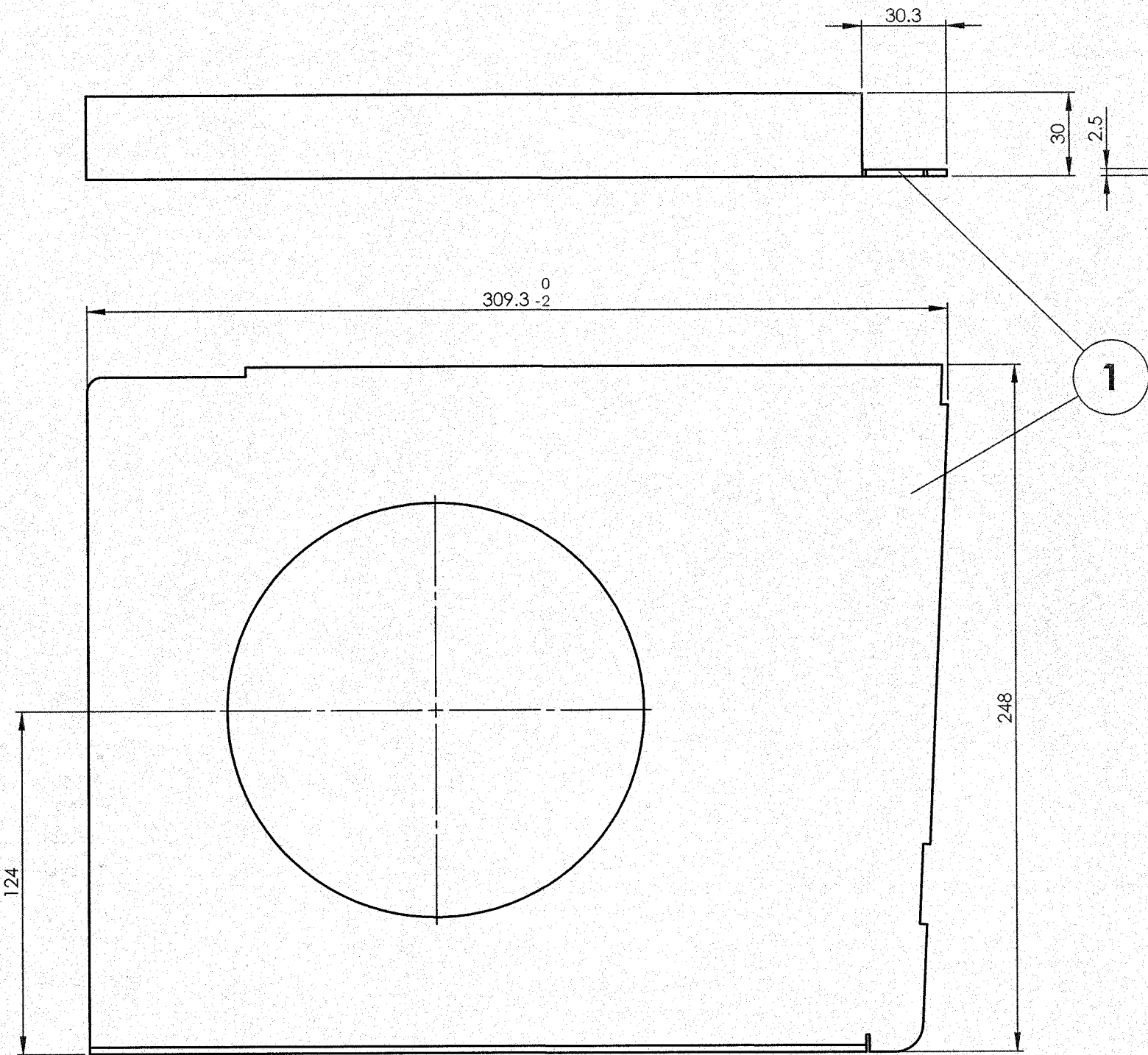
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DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

REF.DRG.NO.2 10113\_0\_20\_120\_119\_ER2

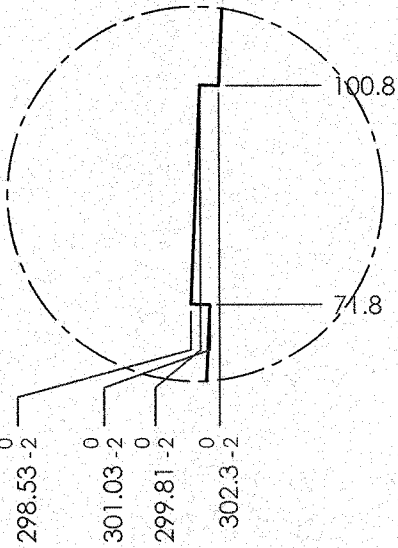
AAA15414

▽ 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

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

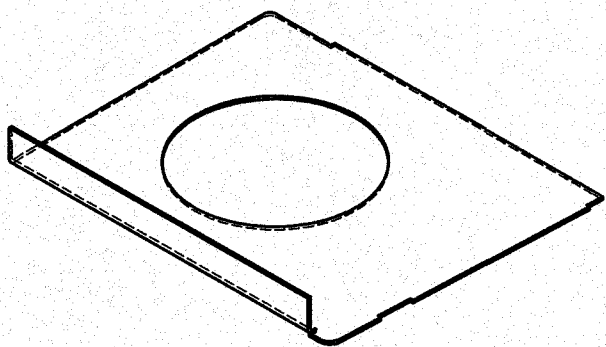
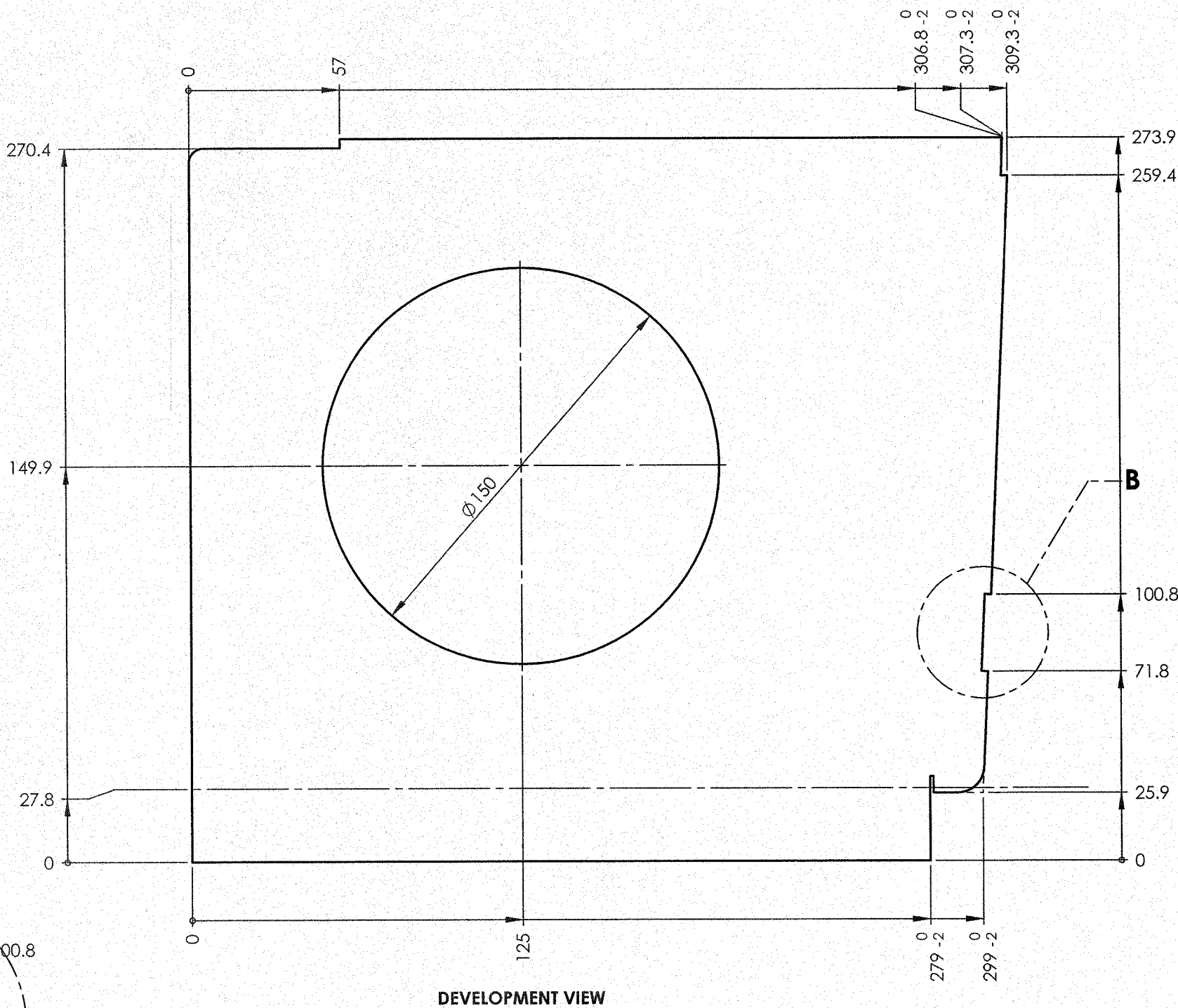
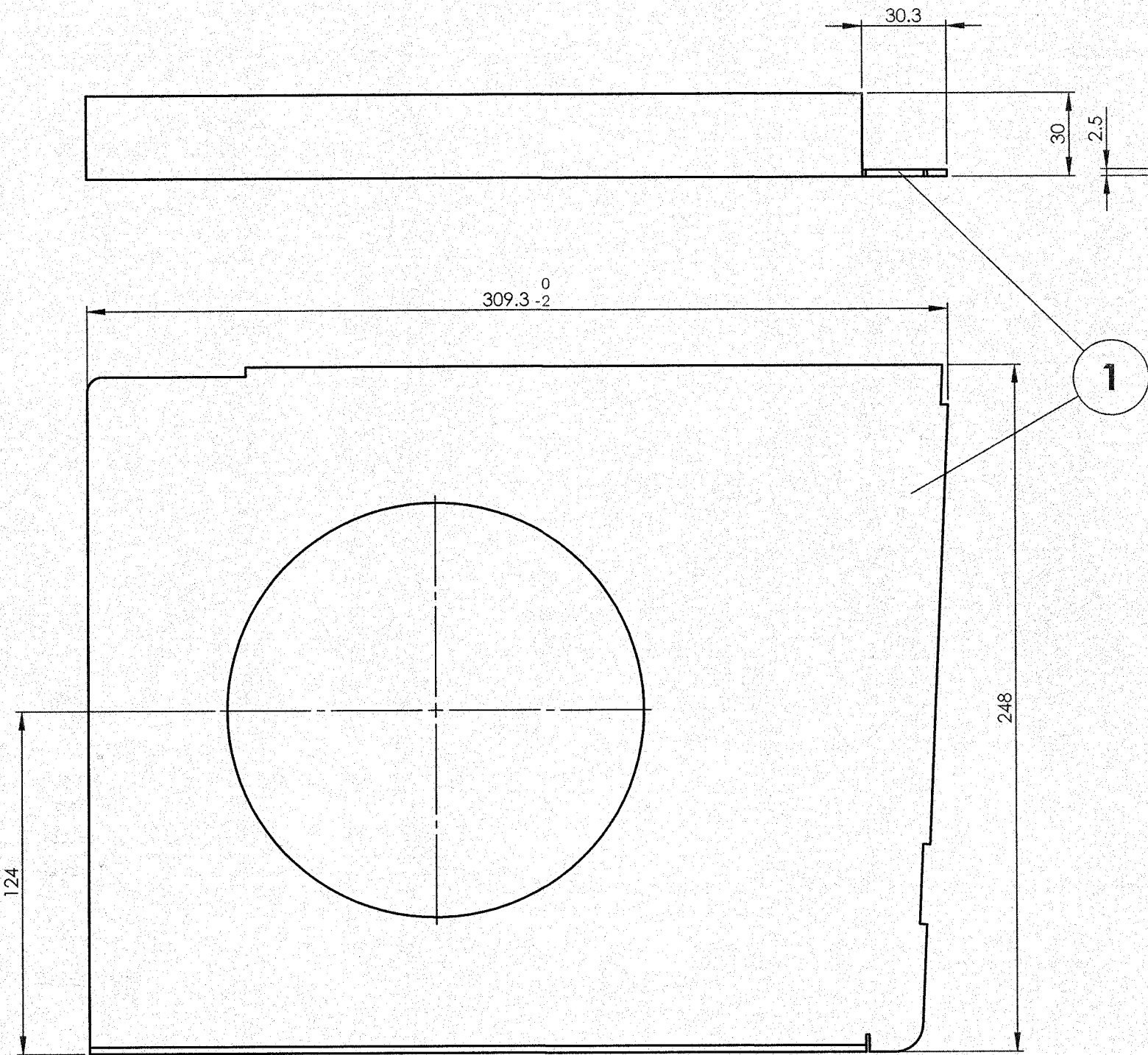
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QTY.	DESCRIPTION	DIMENSIONS	ITEM NO	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: (1-5) END CONSTRUCTION				SURFACE AREA IN Sq.m.: 0.134		WT/ASSY IN Kgs:	
FLANGE					SCALE 1:2	SSE/D	
						CHD	
					ALT a	ALTD	B.SARAVANAN
						DRN	B.SARAVANAN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



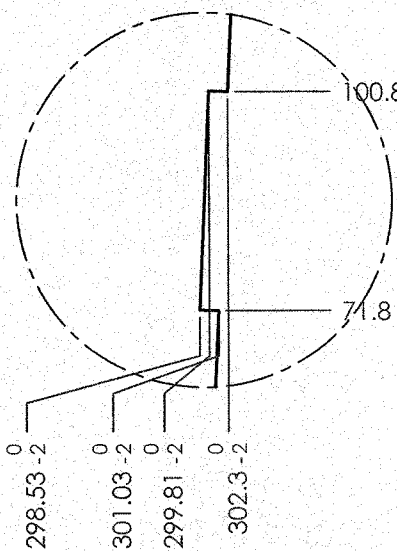
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▽ ROUGH MACHINED	01 ROUGH CLEANED
▽▽ FINISH MACHINED	01b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	18 CHAMFERED

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

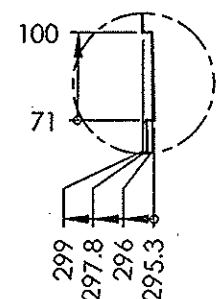
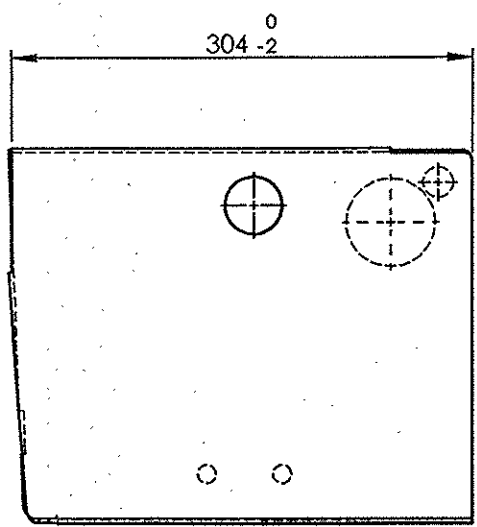
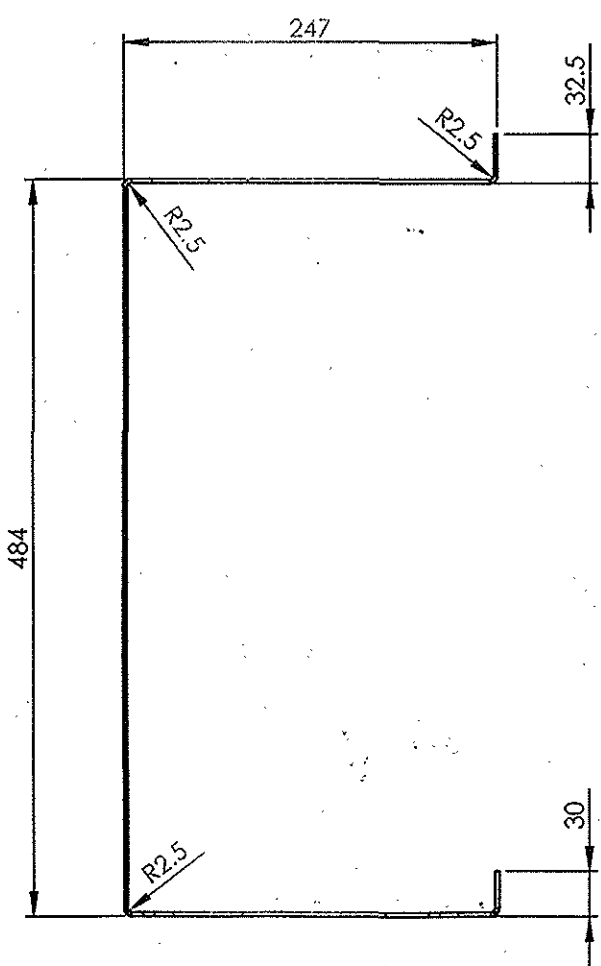
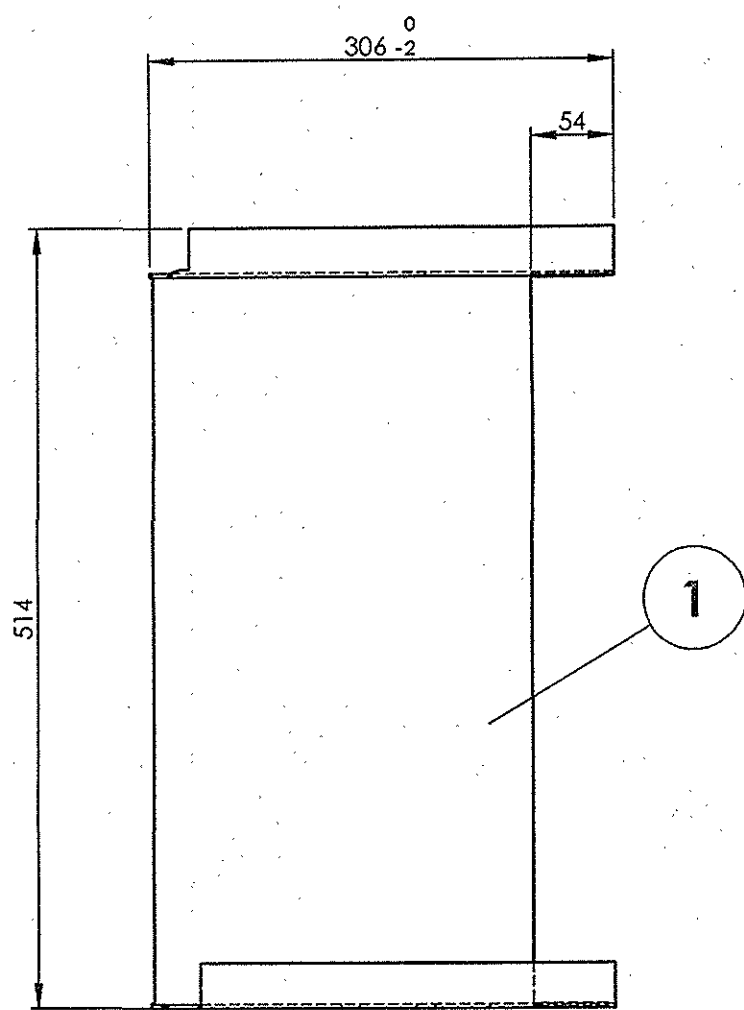
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1	FLANGE	2.5x273.9x309.3	1		SS-409M	1.294	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: (1-5) END CONSTRUCTION		SURFACE AREA IN Sq.m.: 0.134			WT/ASSY IN Kgs:		
FLANGE				SCALE 1:2	SSE/D	P. Nango	
					CHD		
				ALT a	ALTD	B.SARAVANAN	
					DRN	B.SARAVANAN	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1	A2		
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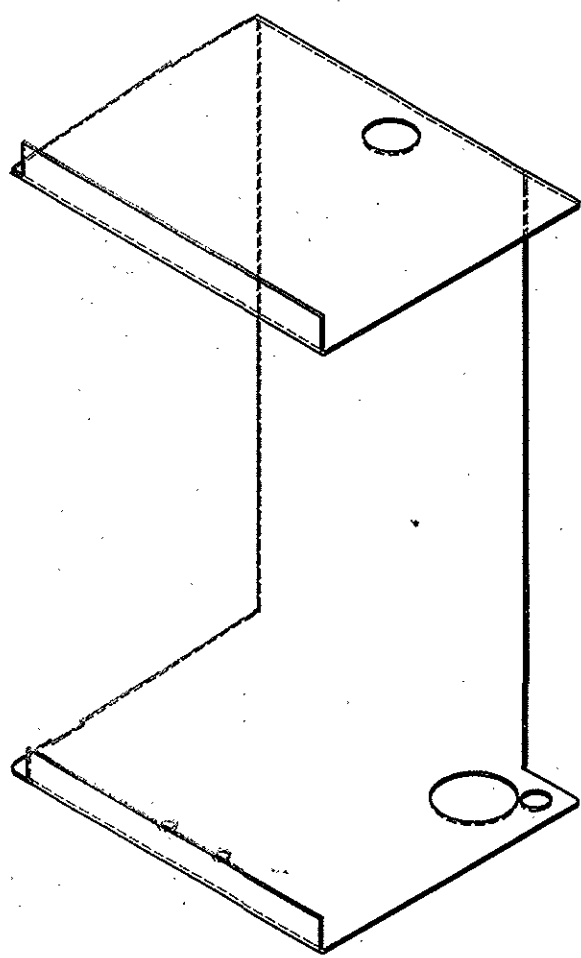
23-03-2018	28-03-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SAE

AAA15428

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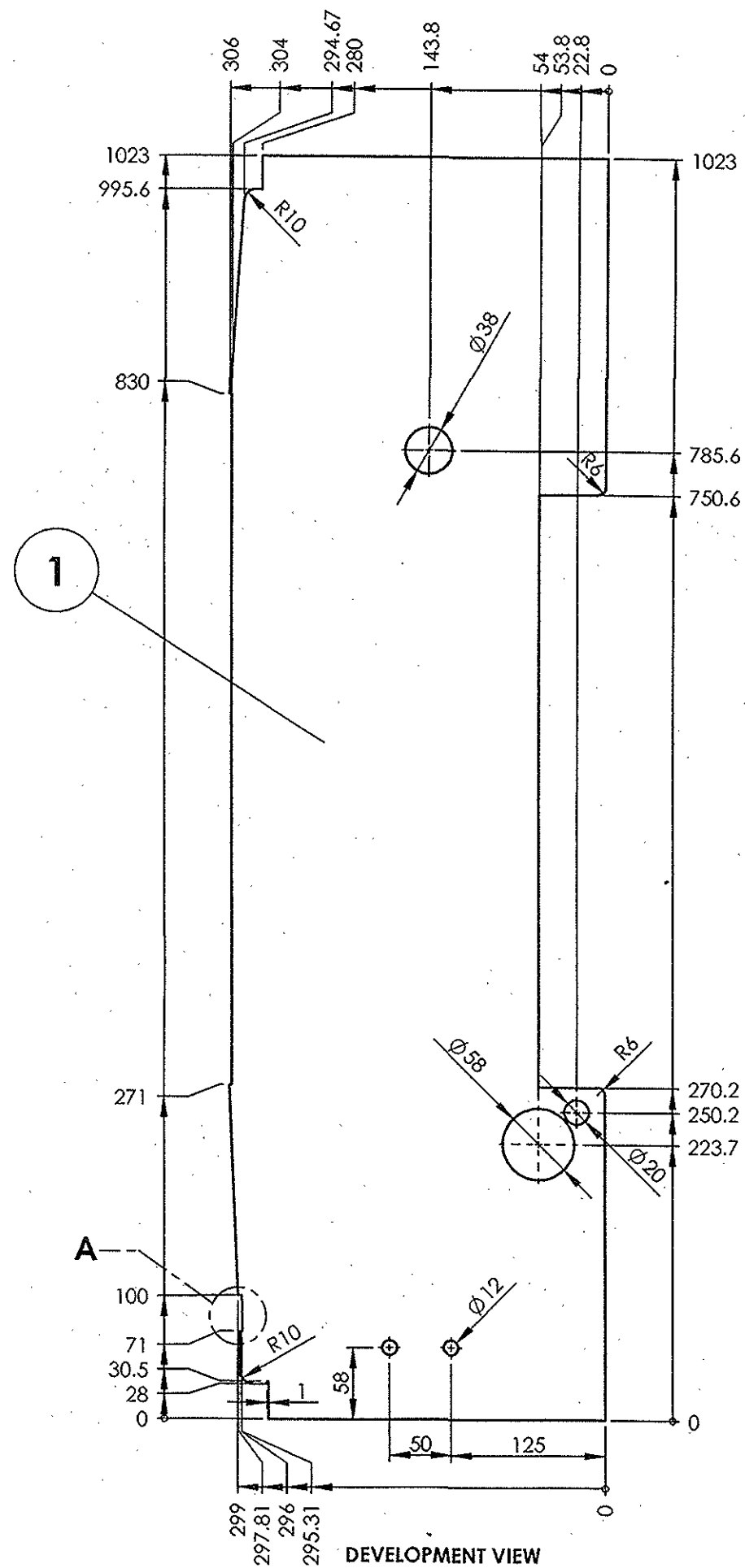


DETAIL A  
SCALE 2 : 5




ISOMETRIC VIEW

REVISIONS		ALT.	ZONE	DESCRIPTION	APPROVED & DATE
▽▽ FINISH MACHINED	① BURRS REMOVED				
▽▽ FINE FINISH MACHINED	② CHAMFERED	a		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	Revised
						CHD	
					ALT a	ALTD	H. Irshath Ahamed
					DRN		B.SARAVANAN
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA15428		
							A2

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

REF.DRG.NO. 2 10113.0.20.120.181

AAA15429

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

⊕ ROUGH CLEANED  
⊕ BURRS REMOVED  
⊕ CHAMFERED

REVISIONS

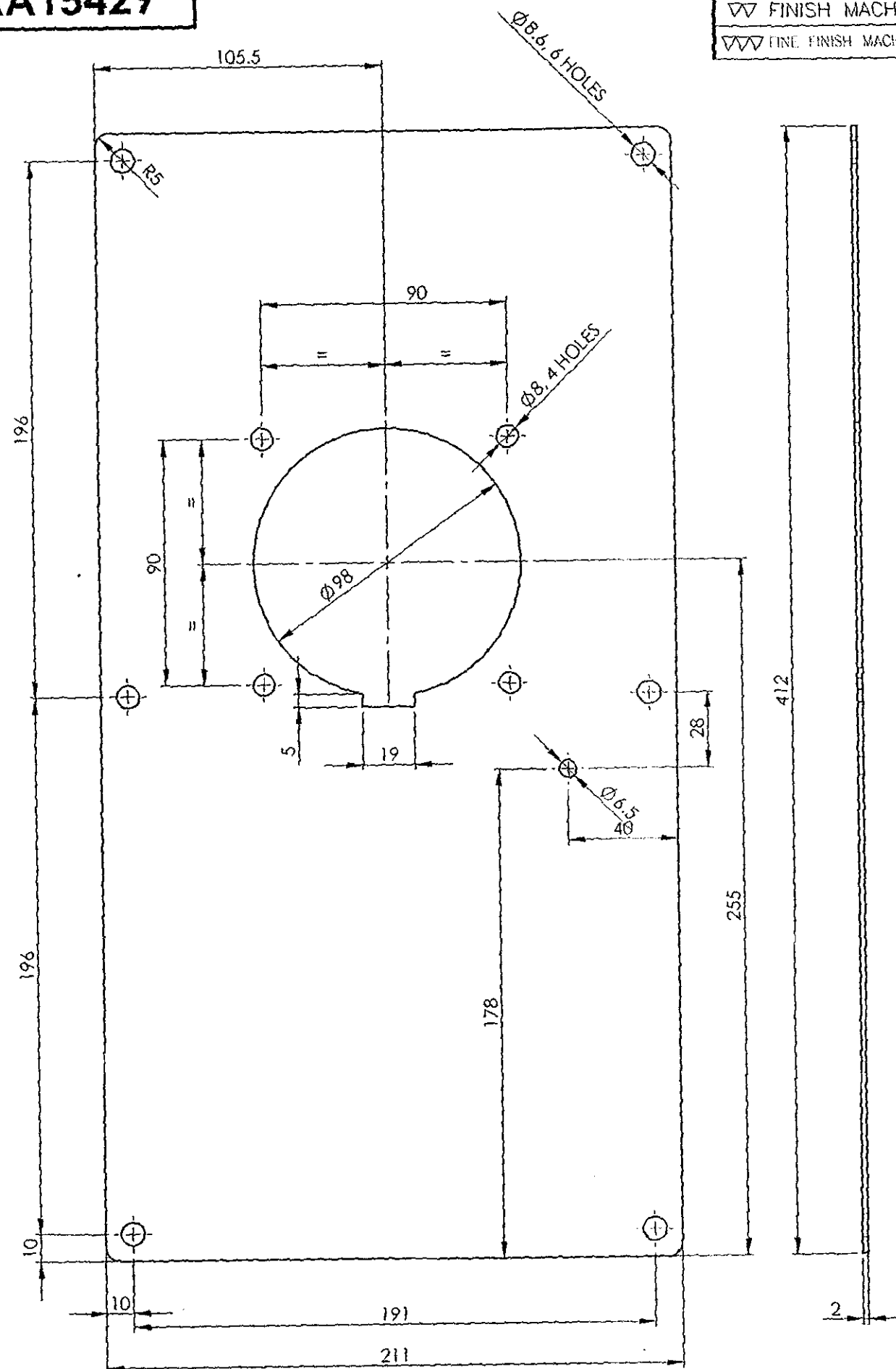
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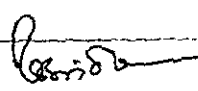

ZONE

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.



1	SHEET	2x211x412	1		RDSO/SPEC C- K201 X2 Cr Ni 12	1.259	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5		SURFACE AREA IN Sq.m.:0.161			WT/ASSY IN Kgs: 1.259		
SHEET					SCALE	SSE/O	
					1:2	CHD	
					ALT.	ALTD	
						DRN	B.SARAVANAN
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA15429		A3

REF.DRG.NO. LW15102

DATE OF LATEST ALL.

28-03-2013

DATE OF FIRST ISSUE

AME/SME

INDIAN RAILWAY STANDARDS

INTEGRAL COACH FACTORY, CHENNAI - 600038

SHEET  
1 OF 1

AAA15429

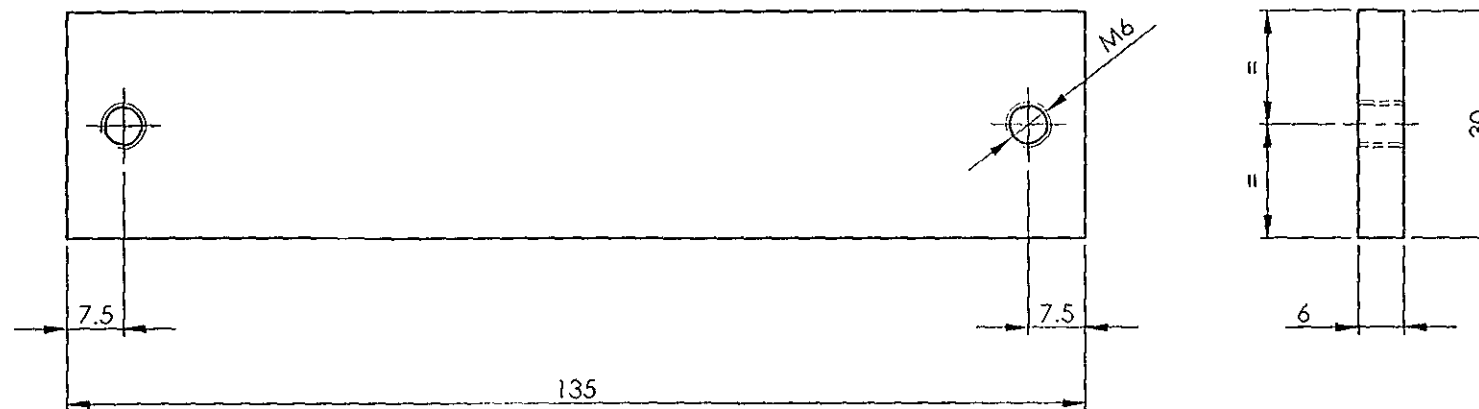
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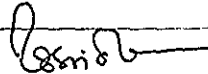
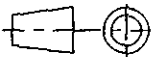
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▽ ROUGH MACHINED	⑥ ROUGH CLEANED
▽▽ FINISH MACHINED	⑦ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑧ CHAMFERED

## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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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.

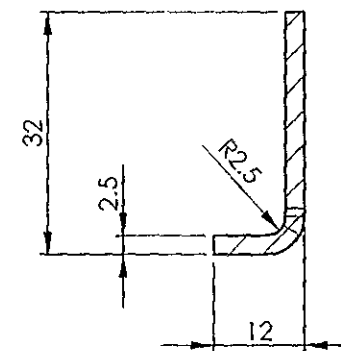
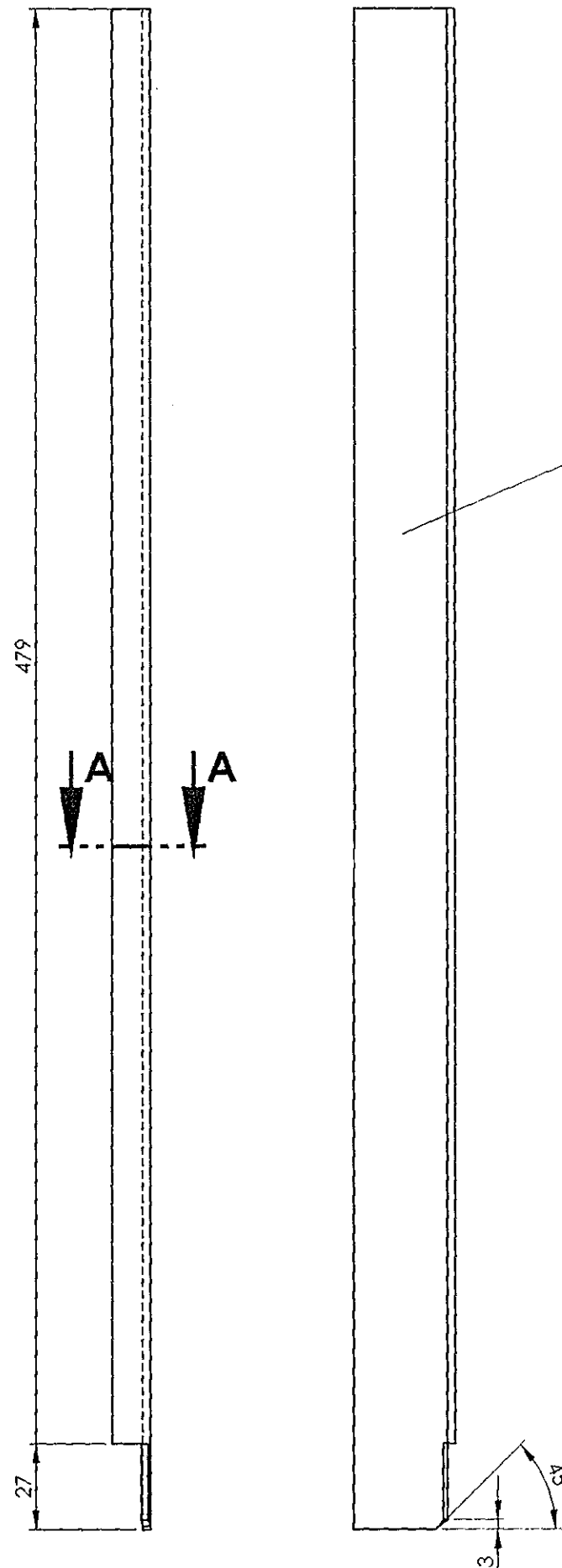
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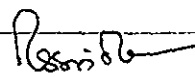
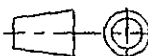
AAA15431

▽ 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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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, CHIENNAI - 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.

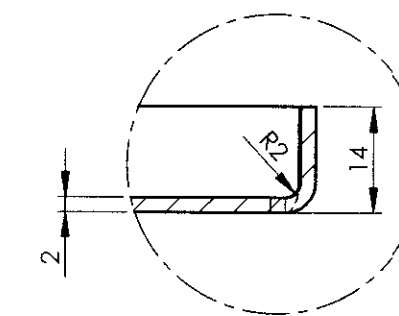
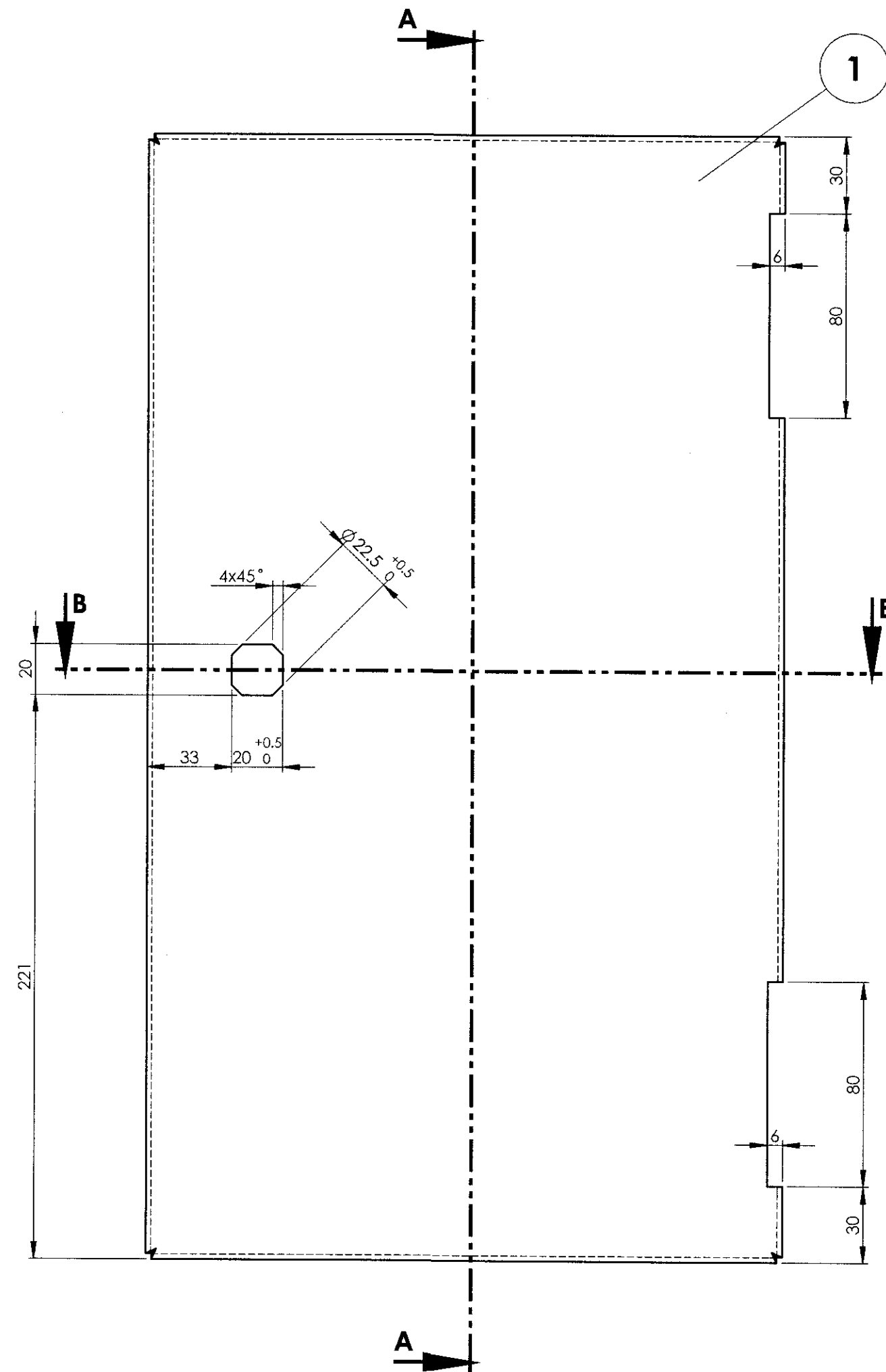
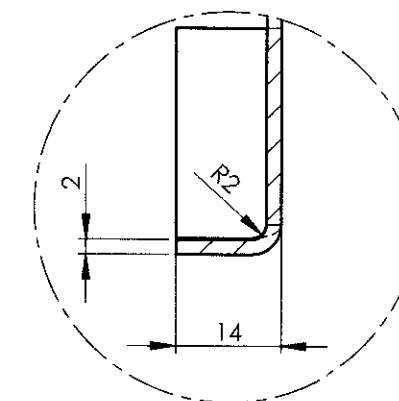
AAA15432

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

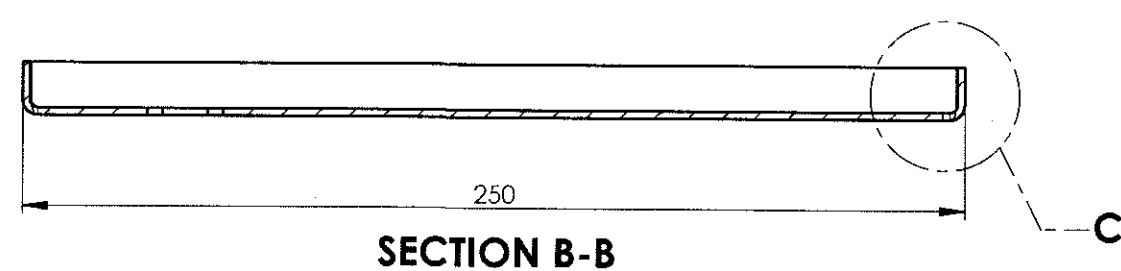
① ROUGH CLEANED  
①b BURRS REMOVED  
①8 CHAMFERED

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

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REF.DRG.NO.

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

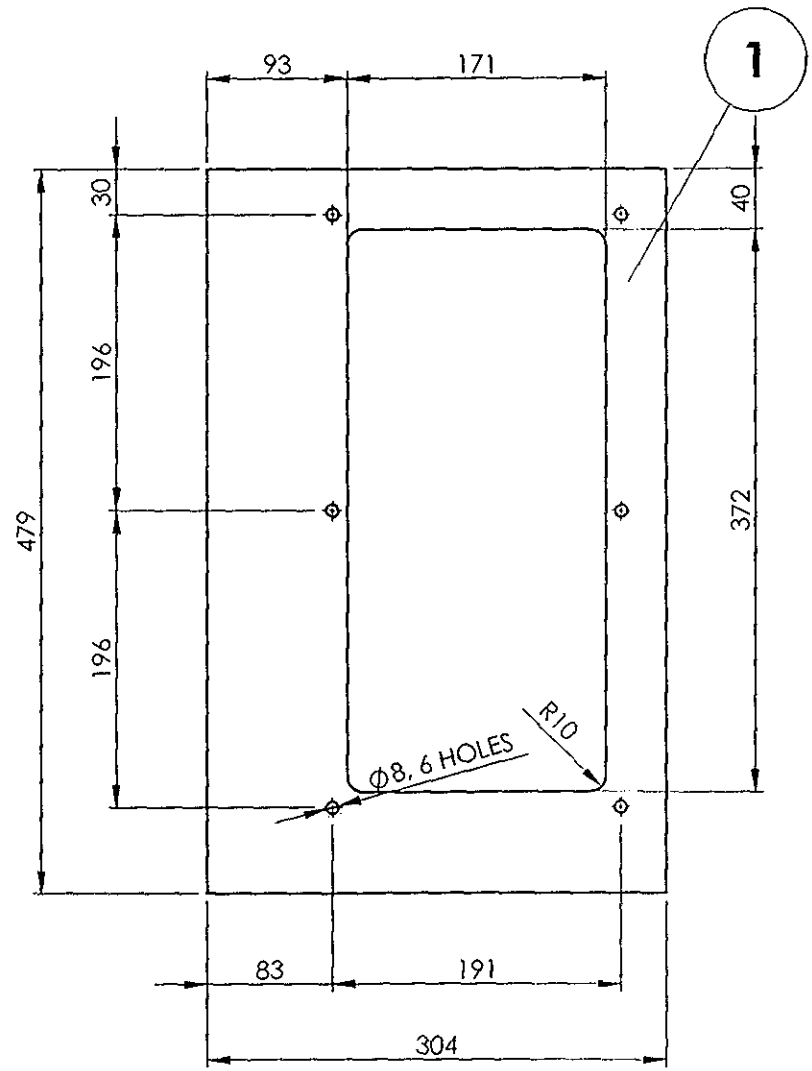
1	SHUTTER	2x266.5x457.5	1		RDSO/SPEC C-K201 X2 Cr Ni 12	1.949	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-5 End Construction					SURFACE AREA IN Sq.m.: 0.247		
SHUTTER					SCALE 1:2	SSE/D CHD	H. Irshath Ahamed
					ALT a	ALTD DRN	B.SARAVANAN
INDIAN RAILWAY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

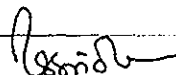
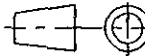


AAA15433

▽ 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	B.SARAVANAN
						DRN	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA15433		A3

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

REF.DRG.NO.3 10113.0.20.120.183\_B

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