

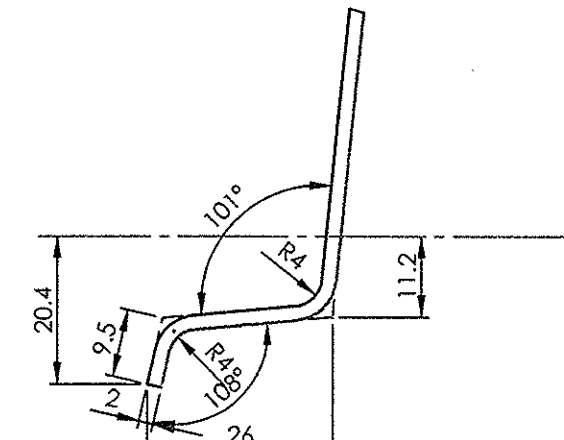
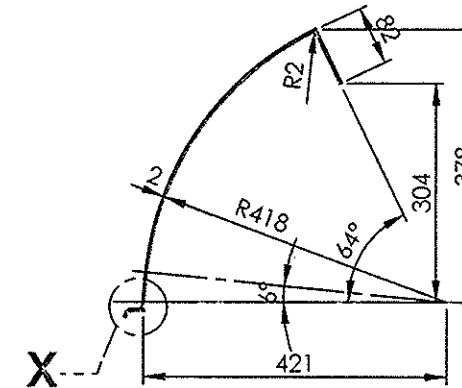
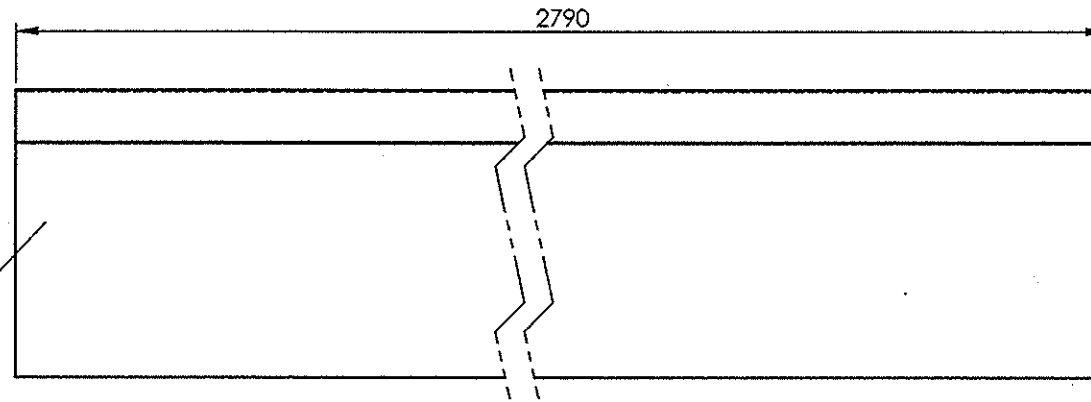
AAC14655

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

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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1

DETAIL X
SCALE 1 : 1

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


REF.DRG.NO.LW14220

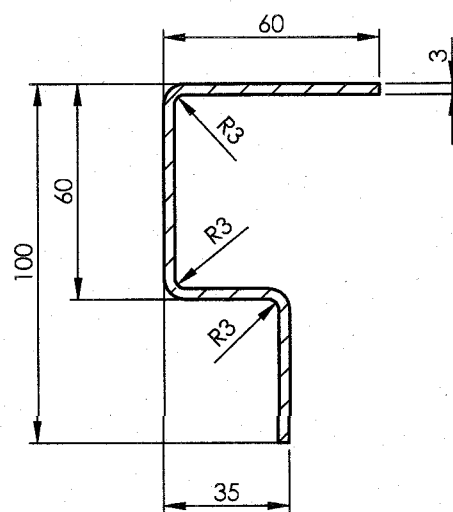
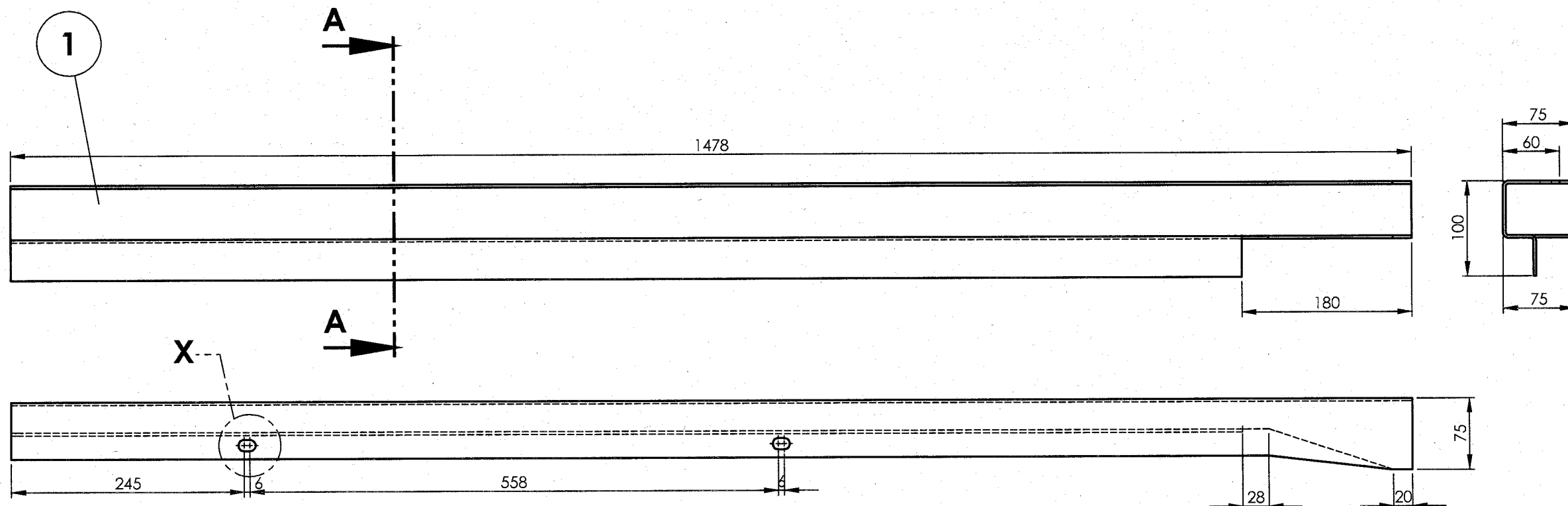
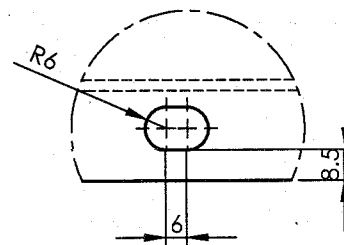
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DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

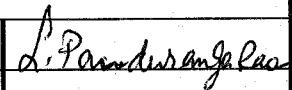
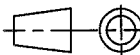
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QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-4		SURFACE AREA IN Sq.m.:3.299			WT/ASSY IN Kgs:			
CARLINE					SCALE	SSE/D	L. Panduranga Rao	
					1:20	CHD		
					ALT.	ALTD		
						DRN	A.Muthukumar	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1		AAC14655	A3

AAC14670

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		HOLES & DETAIL AT X ADDED	

SECTION A-A
SCALE 1 : 2DETAIL X
SCALE 1 : 2

1	HORIZONTAL MEMBER	3X198X1478	1		RDSO/SPEC C-K201 X2CrNi12	6.43	
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HORIZONTAL MEMBER					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	A.Muthukumar
					a	DRN	A.Muthukumar
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1		AAC14670
							A3

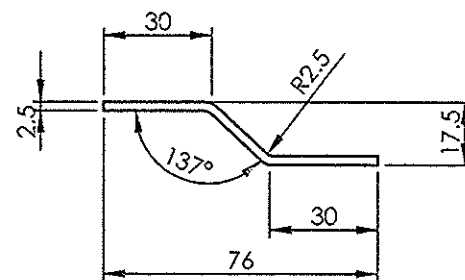
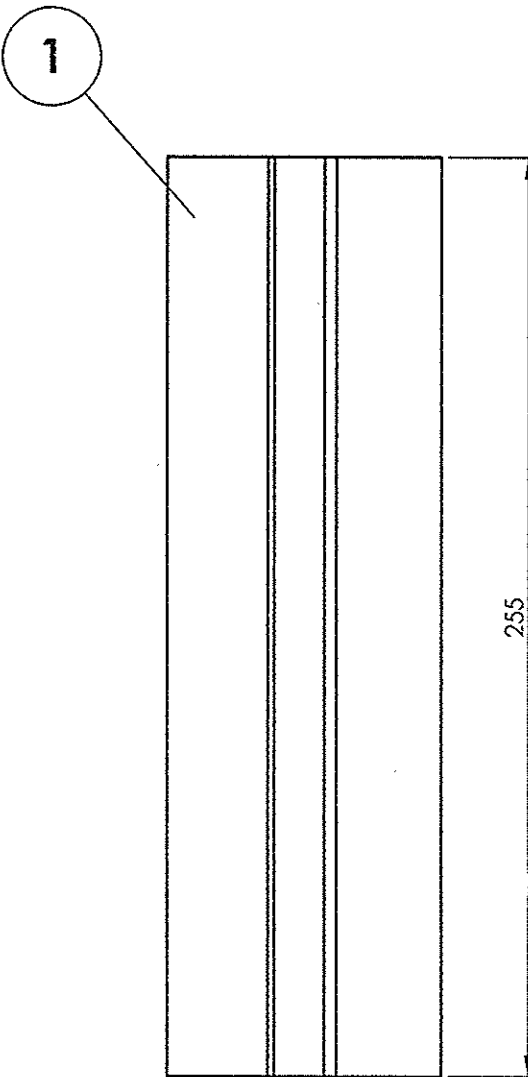
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD 9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.-

AAC14681

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

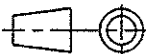
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS A-1. THICKNESS VALUES, REFER DRAWING NO ICF/STD-9-0 001.
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WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

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

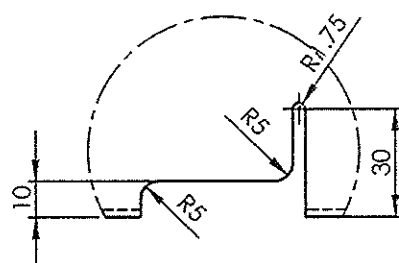
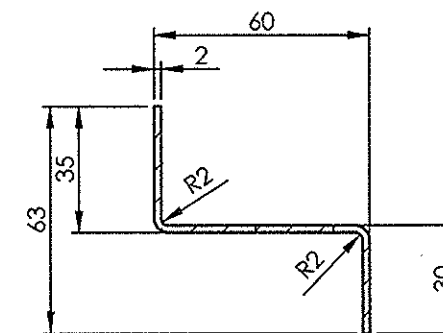
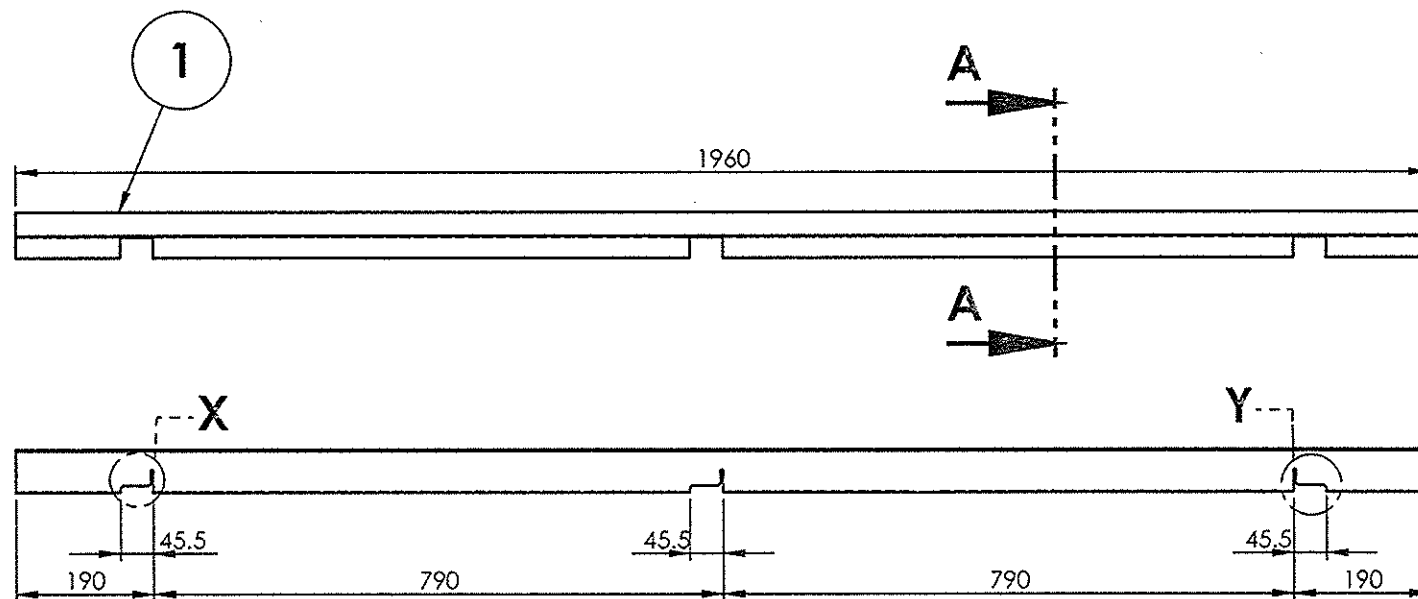
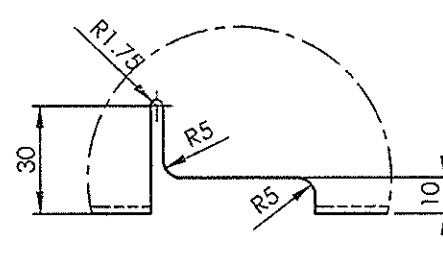
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GROUP: 1-4		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
BRACKET					SCALE	SSE/D	<i>P. Panduranga Rao</i>
					1:2	CHD	
					ALT.	ALTD	
						DRN	A.Muthukumar
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAC14681		A3

1		2		3		4		5		6		7		8																																																													
AAC14682				▽ ROUGH MACHINED		③ ROUGH CLEANED		REVISIONS																																																																			
				▽▽ FINISH MACHINED		④ BURRS REMOVED		ALT.		ZONE		DESCRIPTION			APPROVED & DATE																																																												
				▽▽▽ FINE FINISH MACHINED		⑤ CHAMFERED																																																																					
<div>ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD 9 0 001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813 1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY</div> <div><div>1</div><div>1190</div><div><div>2.5</div><div>30</div><div>R2.5</div><div>30</div></div></div>																																																																											
<table><tr><td>1</td><td>ANGLE</td><td>2.5X55X1190</td><td>1</td><td></td><td>RDSO/SPEC C-K201 X2CrNi12</td><td>1.33</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="2">GROUP: 1-4</td><td colspan="2">SURFACE AREA IN Sq.m.:</td><td colspan="4">WT/ASSY IN Kgs:</td></tr><tr><td colspan="4" rowspan="3">ANGLE</td><td>SCALE</td><td>SSE/D</td><td colspan="2" rowspan="2"><i>L. Panduranga Rao</i></td></tr><tr><td>1:10</td><td>CHD</td></tr><tr><td>ALT.</td><td>ALTD</td><td></td></tr><tr><td colspan="4"></td><td>DRN</td><td colspan="2">A.Muthukumar</td></tr><tr><td colspan="4">INDIAN RAILWAY STANDARDS</td><td colspan="2">SHEET 1 OF 1</td><td colspan="2">AAC14682</td></tr><tr><td colspan="4">INTEGRAL COACH FACTORY, CHENNAI - 600038</td><td colspan="2"></td><td colspan="2">A3</td></tr></table>																1	ANGLE	2.5X55X1190	1		RDSO/SPEC C-K201 X2CrNi12	1.33		QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-4		SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:				ANGLE				SCALE	SSE/D	<i>L. Panduranga Rao</i>		1:10	CHD	ALT.	ALTD						DRN	A.Muthukumar		INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		AAC14682		INTEGRAL COACH FACTORY, CHENNAI - 600038						A3	
1	ANGLE	2.5X55X1190	1		RDSO/SPEC C-K201 X2CrNi12	1.33																																																																					
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS																																																																				
GROUP: 1-4		SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:																																																																							
ANGLE				SCALE	SSE/D	<i>L. Panduranga Rao</i>																																																																					
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INTEGRAL COACH FACTORY, CHENNAI - 600038						A3																																																																					
REF.DRG.NO.-		12-10-2017		<i>A. Muthukumar</i>																																																																							
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AAC14699

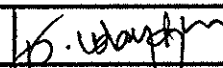
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▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		DESIGN REVISED	

DETAIL X
SCALE 1 : 2DETAIL Y
SCALE 1 : 2

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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REF.DRG.NO.-

09-11-2017	12-10-2017	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	HORIZONTAL MEMBER	2x117x1960	1		RDSO/SPEC C-K201 X2CrNi12	3.63	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4			SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:		
HORIZONTAL MEMBER					SCALE 1:1	SSE/D	<i>L. Pandiranga Rao</i>
						CHD	
					ALT. a	ALTD	A.Muthukumar
						DRN	A.Muthukumar
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1		AAC14699

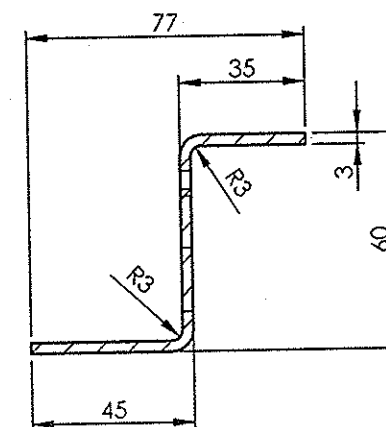
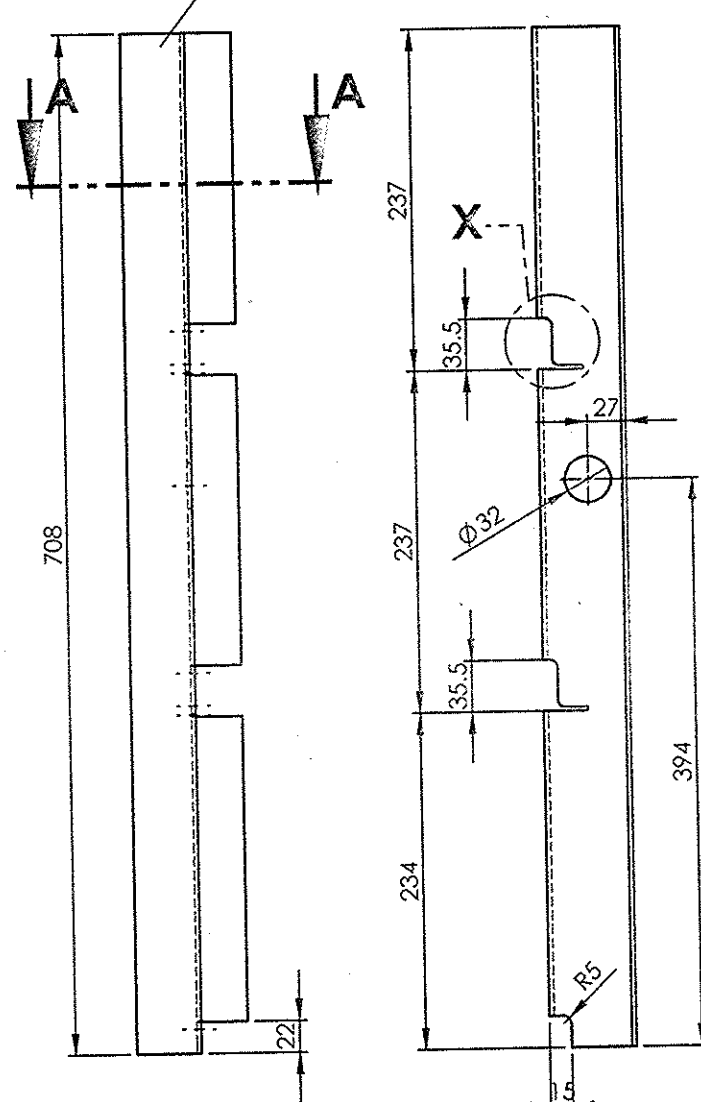
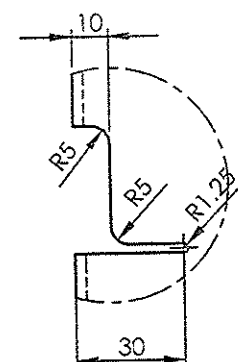
AAC14700


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

① ROUGH CLEANED
② BURRS REMOVED
③ CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
b		HOLES DELETED.	-sd-
c		HOLE ADDED	

SECTION A-A
SCALE 1 : 2DETAIL X
SCALE 1 : 2

1	PART PILLAR L H	3x128x708	1		RDSO/SPEC C-K201 X2CrNi12	2.10	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4			SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:		
PART PILLAR L H					SCALE	SSE/D	A. Panduranga Rao
					1:5	CHD	
					ALT. c	ALTD	A.Muthukumar
						DRN	A.Muthukumar
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1	AAC14700	A3

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNIFORMITY OF DIMENSIONS AND NOTATION, REFER DRAWING NO. 900001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. REFERENCE SYMBOLS ARE AS PER IS: 1502-1986.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.-

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AAC14786			▽ ROUGH MACHINED	① ROUGH CLEANED	REVISIONS			
			▽▽ FINISH MACHINED	①b BURRS REMOVED	ALT.	ZONE	DESCRIPTION	APPROVED & DATE
			▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED				
<div><div><div><div><div><div></div><div>20</div></div><div><div></div><div>28</div></div></div><div><div></div><div>20</div></div></div><div><div></div><div>2</div></div></div><div><div></div><div>1</div></div></div> <div><div></div><div>180</div></div>								

30

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ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.
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AAC14787			▽ ROUGH MACHINED	① ROUGH CLEANED	REVISIONS			
			▽▽ FINISH MACHINED	①b BURRS REMOVED	ALT.	ZONE	DESCRIPTION	APPROVED & DATE
			▽▽▽ FINE FINISH MACHINED	①c CHAMFERED				
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<div>ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY</div> <div>REF.DRG.NO.-</div> <div><div>09-11-2017</div><div>AME/SME</div></div> <div><div>INDIAN RAILWAY STANDARDS</div><div>INTEGRAL COACH FACTORY, CHENNAI - 600038</div></div> <div><div>GROUP: 1-4</div><div>SURFACE AREA IN Sq.m.:</div><div>WT/ASSY IN Kgs:</div></div> <div><div>BACK PIECE</div><div>SCALE 1:1</div><div>ALT.</div><div>INDIAN RAILWAY STANDARDS</div><div>INTEGRAL COACH FACTORY, CHENNAI - 600038</div><div>SHEET 1 OF 1</div><div>AAC14787</div><div>A3</div></div>								
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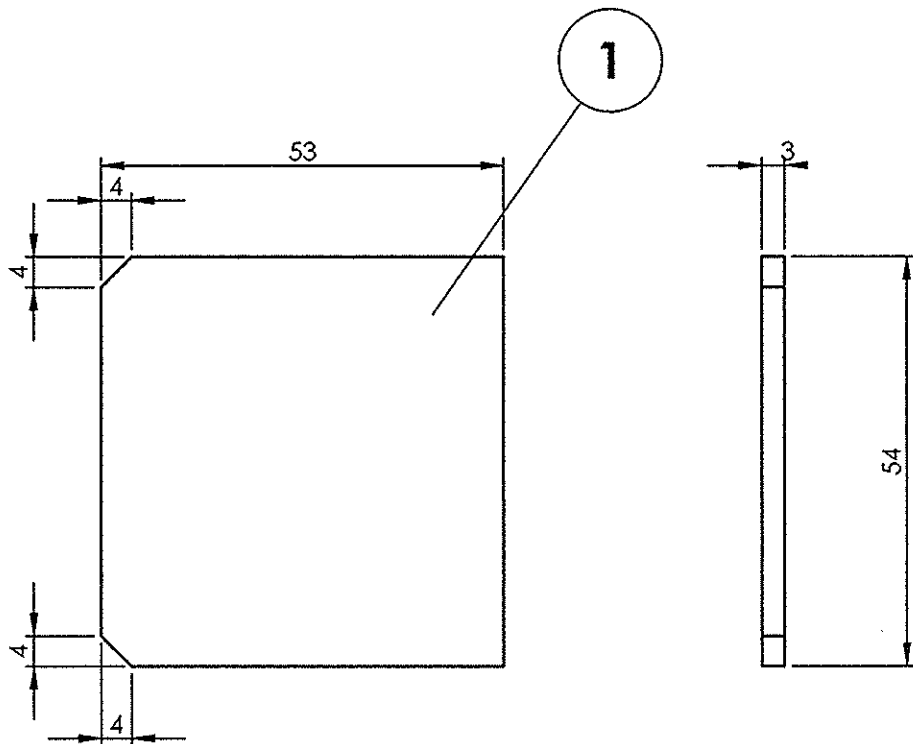
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AAC14788			<div>▽ ROUGH MACHINED</div> <div>▽▽ FINISH MACHINED</div> <div>▽▽▽ FINE FINISH MACHINED</div>		<div>⑩i ROUGH CLEANED</div> <div>⑩ib BURRS REMOVED</div> <div>⑩8 CHAMFERED</div>		<div>REVISIONS</div> <table><tr><td>ALT.</td><td>ZONE</td><td>DESCRIPTION</td><td>APPROVED & DATE</td></tr></table>		ALT.	ZONE	DESCRIPTION	APPROVED & DATE																																																						
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GROUP: 1-4					SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:																																																											
BACK PIECE					SCALE 1:1	SSE/D CHD	L. Panduranga Rao																																																											
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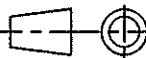
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				▽▽ FINISH MACHINED		①b BURRS REMOVED		ALT.		ZONE		DESCRIPTION																																																																											
				▽▽▽ FINE FINISH MACHINED		①8 CHAMFERED		a				MATL SPEC ADDED.																																																																											
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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. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY																																																																																							
<table><tr><td>1</td><td>BACKPIECE</td><td>3X43X160</td><td>1</td><td></td><td>RDSO/SPEC C-K201 X2CrNi12</td><td>0.16</td><td></td></tr><tr><td>QTY.</td><td>DESCRIPTION</td><td>DIMENSIONS</td><td>ITEM NO.</td><td>REF. DRGS</td><td>MATL.SPEC.</td><td>WT/UNIT IN KGS</td><td>REMARKS</td></tr><tr><td colspan="4">GROUP: 1-4</td><td colspan="2">SURFACE AREA IN Sq.m.:</td><td colspan="2">WT/ASSY IN Kgs:</td></tr><tr><td colspan="6" rowspan="2">BACKPIECE</td><td>SCALE 1:1</td><td>SSE/D CHD</td><td rowspan="2">A.Muthukumar</td></tr><tr><td>ALT. a</td><td>ALTD DRN</td><td>A.Muthukumar</td></tr><tr><td colspan="6">INDIAN RAILWAY STANDARDS</td><td colspan="2">SHEET 1 OF 1</td><td rowspan="2">AAC14789</td><td rowspan="2">A3</td></tr><tr><td colspan="6">INTEGRAL COACH FACTORY, CHENNAI - 600038</td></tr><tr><td colspan="2">19-4-2018</td><td colspan="2">9-11-17</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">DATE OF LATEST ALT.</td><td colspan="2">DATE OF FIRST ISSUE</td><td colspan="2">AME/SME</td><td colspan="2"></td><td colspan="2"></td></tr></table>																1	BACKPIECE	3X43X160	1		RDSO/SPEC C-K201 X2CrNi12	0.16		QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-4				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:		BACKPIECE						SCALE 1:1	SSE/D CHD	A.Muthukumar	ALT. a	ALTD DRN	A.Muthukumar	INDIAN RAILWAY STANDARDS						SHEET 1 OF 1		AAC14789	A3	INTEGRAL COACH FACTORY, CHENNAI - 600038						19-4-2018		9-11-17								DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME					
1	BACKPIECE	3X43X160	1		RDSO/SPEC C-K201 X2CrNi12	0.16																																																																																	
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BACKPIECE						SCALE 1:1	SSE/D CHD	A.Muthukumar																																																																															
						ALT. a	ALTD DRN		A.Muthukumar																																																																														
INDIAN RAILWAY STANDARDS						SHEET 1 OF 1		AAC14789	A3																																																																														
INTEGRAL COACH FACTORY, CHENNAI - 600038																																																																																							
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DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME																																																																																			
REF.DRG.NO.-																																																																																							
1		2		3		4		5		6		7		8																																																																									

AAC14822

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

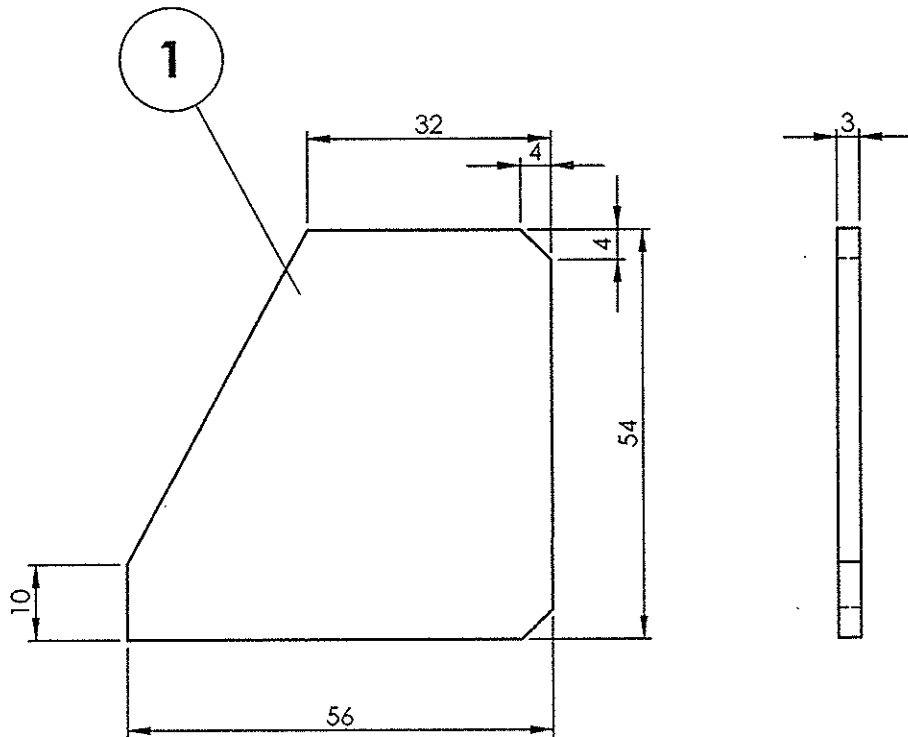
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



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QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
RIB					SCALE	SSE/D	L. Panduranga Rao
					1:1	CHD	
					ALT.	ALTD	
						DRN	A.Muthukumar
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAC14822		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.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.-

1	2	3	4	5	6	7	8											
AAC14823			▽ ROUGH MACHINED ▽▽ FINISH MACHINED ▽▽▽ FINE FINISH MACHINED		① ROUGH CLEANED ② BURRS REMOVED ③ CHAMFERED		REVISIONS											
					ALT.	ZONE	DESCRIPTION	APPROVED & DATE										
<div>ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY</div> <div></div>																		
									1		RIB	3X54X56	1		RDSO/SPEC C-K201 X2CrNi12	0.06		
									QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS		
									GROUP: 1-4				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:			
									RIB						SCALE 1:1	SSE/D	L. Panduranga Rao	
																	CHD	
															ALT.	ALTD		
															DRN	A.Muthukumar		
									INDIAN RAILWAY STANDARDS						SHEET 1 OF 1			
									INTEGRAL COACH FACTORY, CHENNAI - 600038									
REF.DRG.NO.-		09-11-2017	AME/SME		AAC14823		A3											
DATE OF LATEST ALT.		DATE OF FIRST ISSUE																
1	2	3	4	5	6	7	8											

AAC14824

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED

② BURRS REMOVED

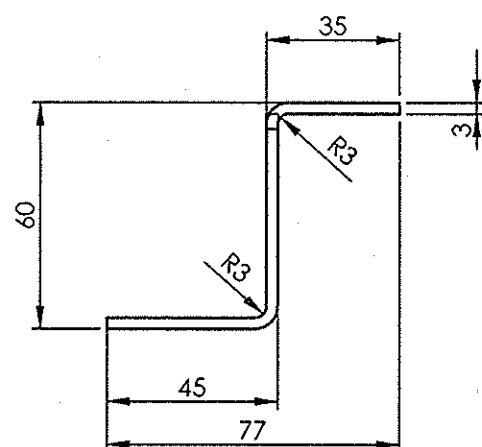
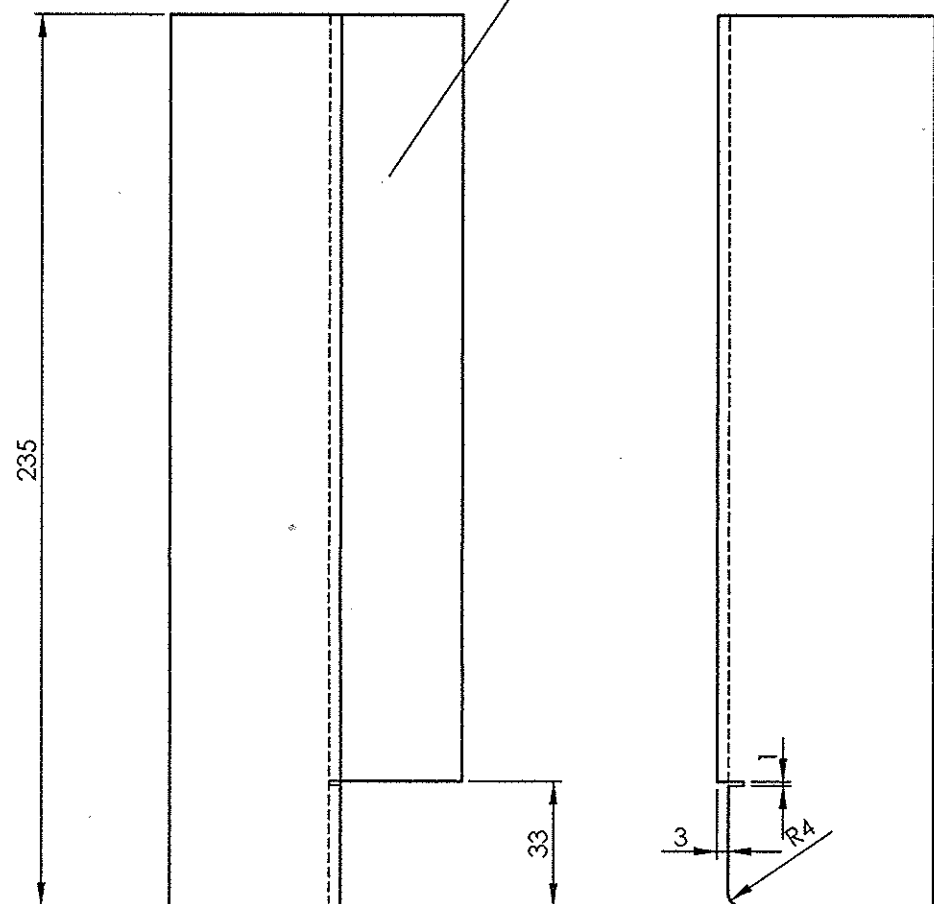
③ CHAMFERED

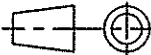
REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &
DATE

1	PART PILLAR L H	3x128x708	1		RDSO/SPEC C-K201 X2CrNi12	0.71	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
PART PILLAR L H					SCALE	SSE/D	
					1:2	CHD	
					ALT.	ALTD	
					DRN	A.Muthukumar	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAC14824		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.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.-

	16-11-2017	S. Velayudh
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAC14826

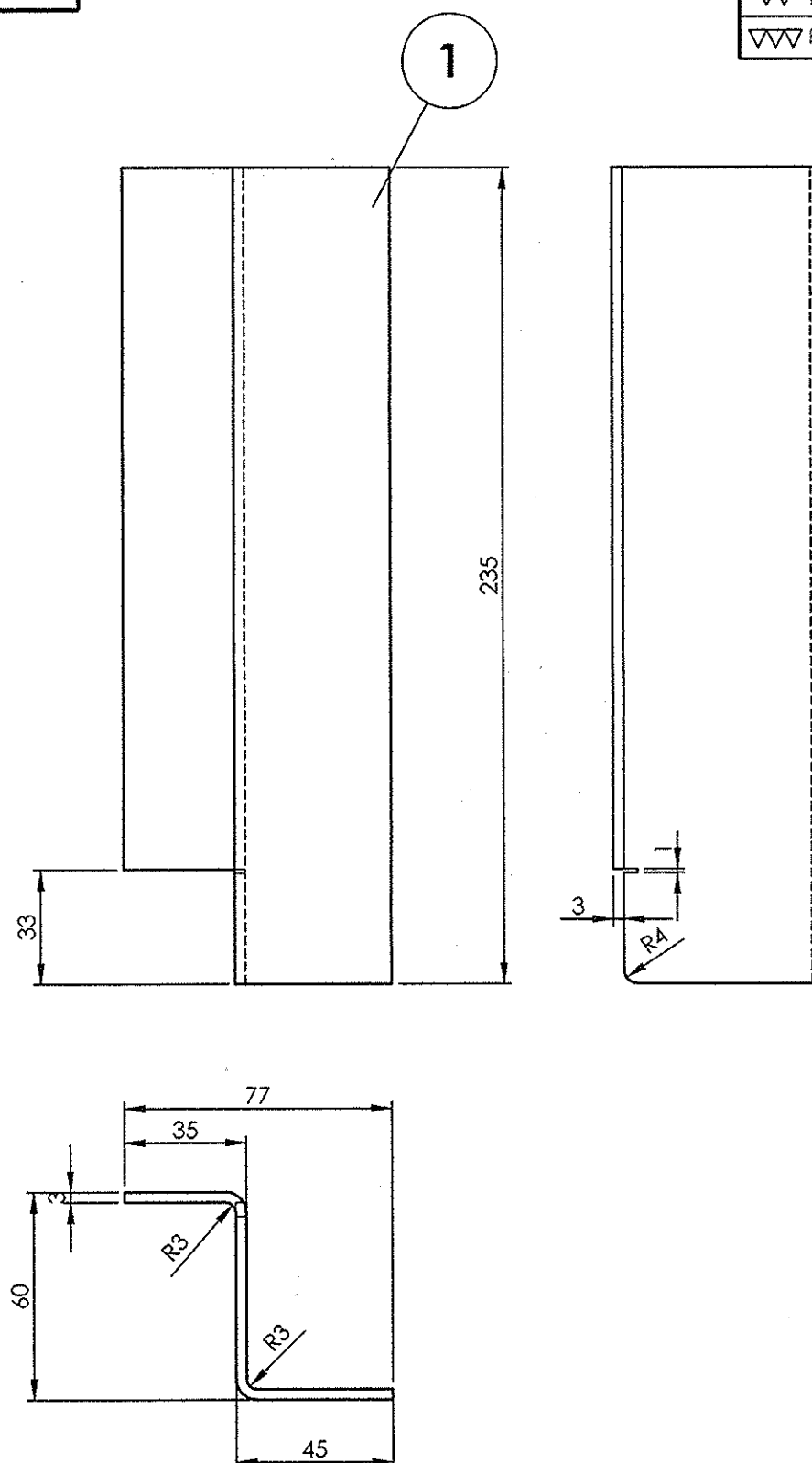
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED


REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &
DATE

1	PART PILLAR R H	3x128x235	1		RDSO/SPEC C-K201 X2CrNi12	0.71	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
PART PILLAR R H					SCALE	SSE/D	A. Panduranga Rao
					1:2	CHD	
					ALT.	ALTD	
						DRN	A.Muthukumar
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1		
					AAC14826		A3

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WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

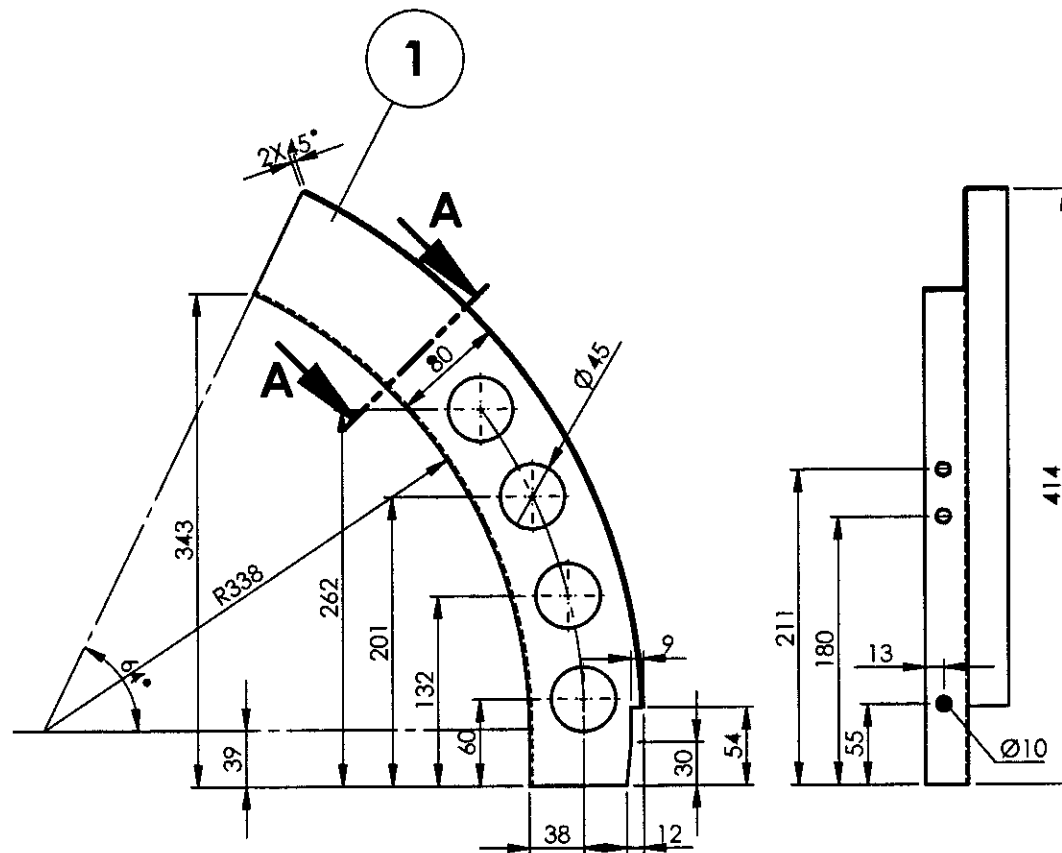
REF.DRG.NO.-

	16-11-2017	A. Muthukumar
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAC14830

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		DIA OF THE HOLE AND CUTAWAY REVISED.	-sd-
b		Ø 10 HOLES ADDED.	-sd-
c		CUTAWAY INCREASED FROM 7 TO 9.	-sd-
d		ADDITIONAL Ø45 HOLE ADDED.	-sd-
e		HOLE DIMENSIONS REVISED.	<i>sdm</i>

SECTION A-A
SCALE 1:2

1	ARCH L H	2X305.5X440	1		RDSO/SPEC C-K201 X2CrNi12	0.849	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4				SURFACE AREA IN Sq.m.:0.110		WT/ASSY IN Kgs:	
ARCH L H					SCALE 1:5	SSE/D	<i>A. Muthukumar</i>
					ALT. e	CHD	
						ALTD	ARUN S
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038						DRN	A.Muthukumar
					SHEET 1 OF 1		
					AAC14830		A3

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

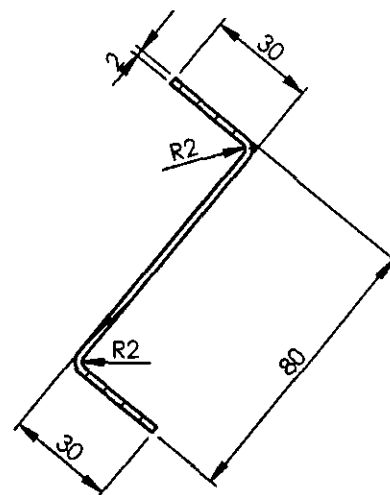
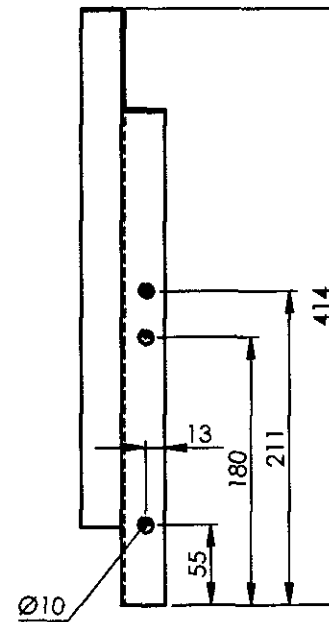
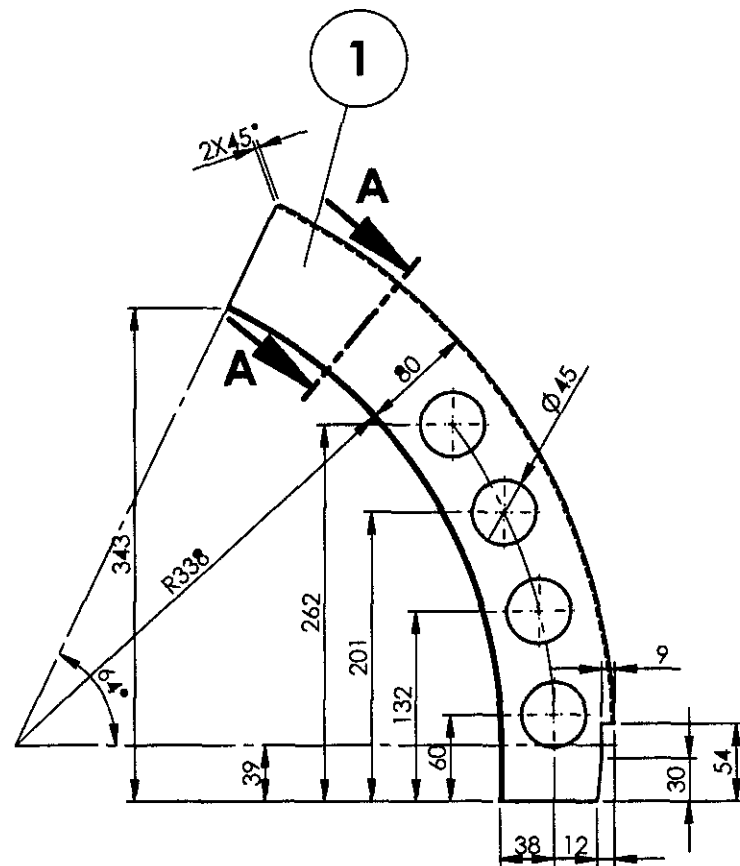
21-07-2023	21-11-17	<i>sdm</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAC14831

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

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		DIA OF THE HOLE AND CUTAWAY REVISED.	-sd-
b		Ø 10 HOLES ADDED.	-sd-
c		CUTAWAY INCREASED FROM 7 TO 9.	-sd-
d		ADDITIONAL Ø45 HOLE ADDED.	-sd-
e		HOLE DIMENSIONS REVISD.	gls

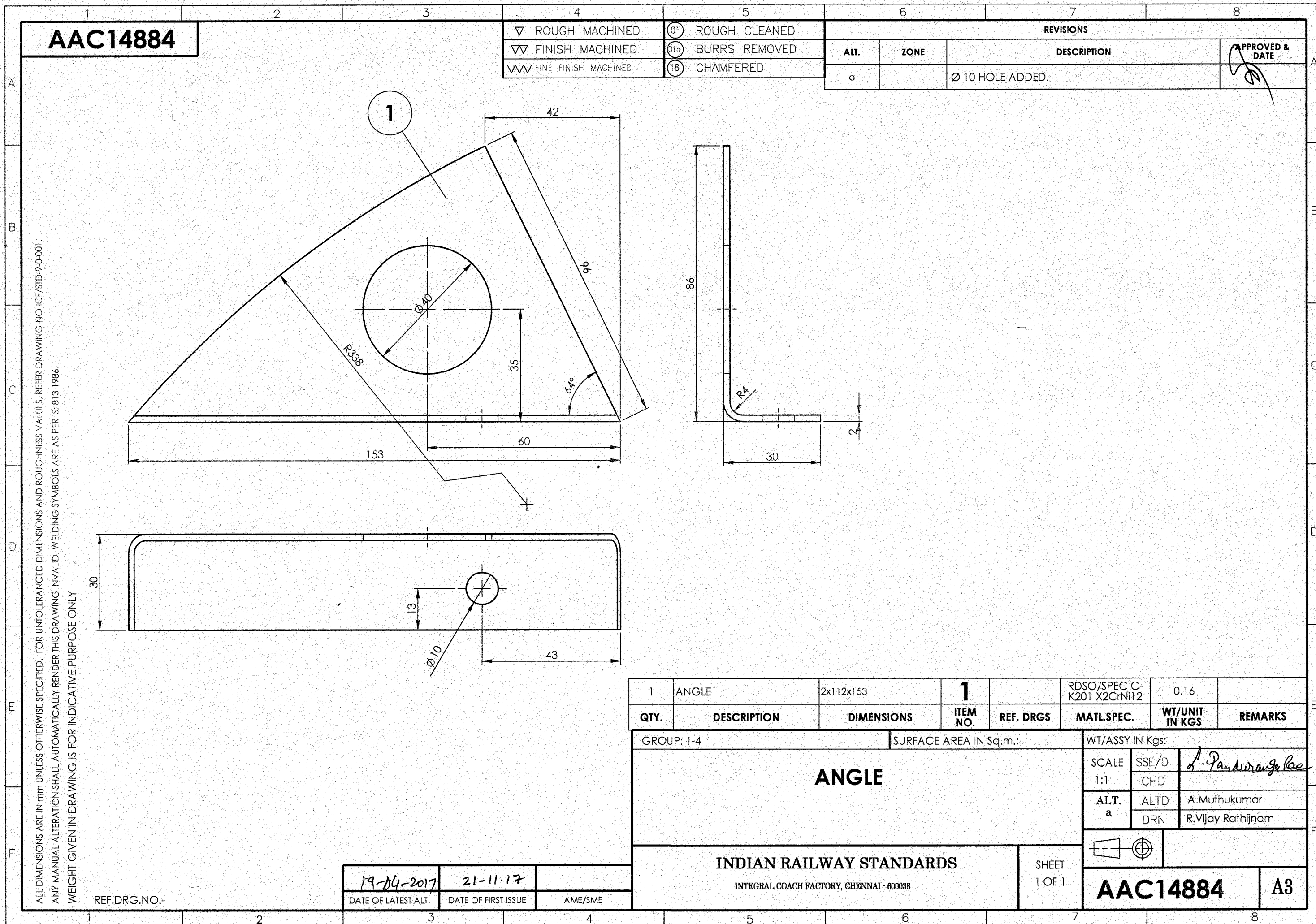
SECTION A-A
SCALE 1 : 2

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

REF.DRG.NO.LW14157

21-07-2023	27-11-17	gls
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	ARCH R H	2X305.5X440	1		RDSO/SPEC C-K201 X2CrNi12	0.850	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4				SURFACE AREA IN Sq.m.:0.110		WT/ASSY IN Kgs:	
ARCH R H					SCALE	SSE/D	A. M
					1:5	CHD	
					ALT.	ALTD	ARUN S
					e	DRN	A.Muthukumar
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAC14831		A3

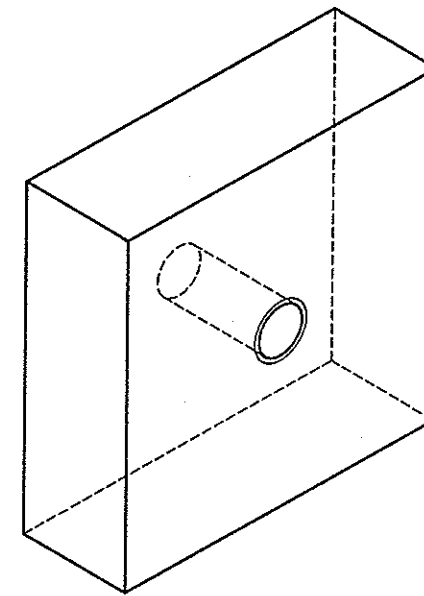
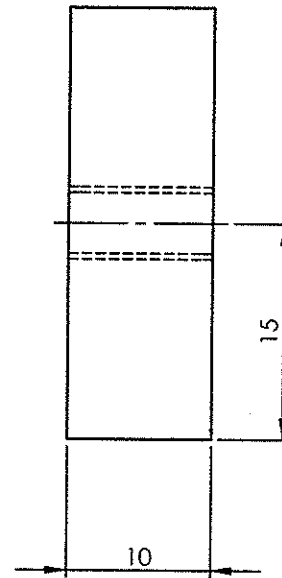
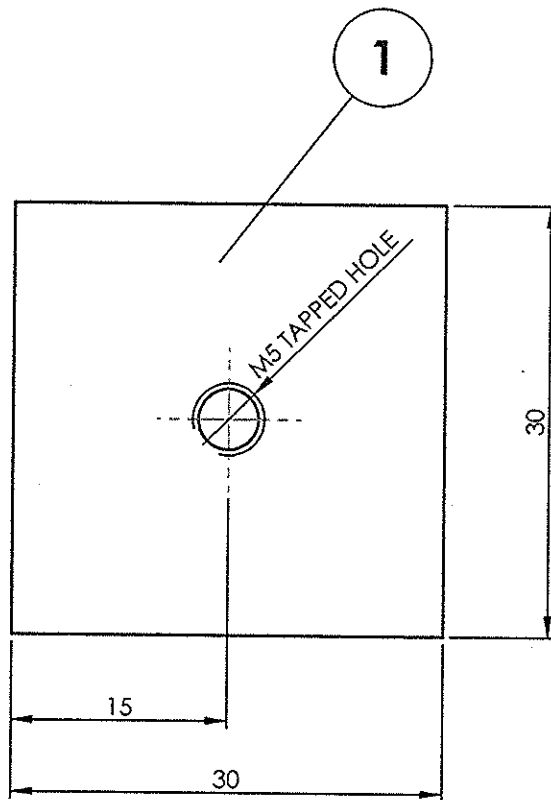


1		2		3		4		5		6		7		8																																																													
AAC14886				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS																																																																			
				▽▽ FINISH MACHINED		①b BURRS REMOVED		ALT.		ZONE		DESCRIPTION																																																															
				▽▽▽ FINE FINISH MACHINED		①8 CHAMFERED		a				Ø 10 HOLE ADDED																																																															
												APPROVED & DATE																																																															
<div><div>ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-90.001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY</div><div><div><div><div><div><div>1</div><div>R338</div><div>Ø 40</div><div>42</div><div>96</div><div>35</div><div>64°</div><div>60</div><div>153</div></div><div><div>Ø 10</div><div>43</div><div>13</div><div>30</div></div></div><div><div><div>R4</div><div>86</div><div>30</div><div>2</div></div></div></div></div><div><table><tr><td>1</td><td>ANGLE</td><td>2x112x153</td><td>1</td><td></td><td>RDSO/SPEC C-K201 X2CrNi12</td><td>0.16</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: 1-4</td><td colspan="2">SURFACE AREA IN Sq.m.:</td><td>WT/ASSY IN Kgs:</td></tr><tr><td colspan="5" rowspan="3">ANGLE</td><td>SCALE 1:2</td><td>SSE/D CHD</td><td>L. Panduranga Rao</td></tr><tr><td>ALT. a</td><td>ALTD</td><td>A.Muthukumar</td></tr><tr><td>DRN</td><td>R.Vijay Rathinam</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">REF.DRG.NO.-</td><td colspan="2">AAC14886</td><td>A3</td></tr></table></div></div></div>															1	ANGLE	2x112x153	1		RDSO/SPEC C-K201 X2CrNi12	0.16		QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-4					SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	ANGLE					SCALE 1:2	SSE/D CHD	L. Panduranga Rao	ALT. a	ALTD	A.Muthukumar	DRN	R.Vijay Rathinam	INDIAN RAILWAY STANDARDS					SHEET 1 OF 1			INTEGRAL COACH FACTORY, CHENNAI - 600038								REF.DRG.NO.-					AAC14886		A3
1	ANGLE	2x112x153	1		RDSO/SPEC C-K201 X2CrNi12	0.16																																																																					
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS																																																																				
GROUP: 1-4					SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:																																																																				
ANGLE					SCALE 1:2	SSE/D CHD	L. Panduranga Rao																																																																				
					ALT. a	ALTD	A.Muthukumar																																																																				
					DRN	R.Vijay Rathinam																																																																					
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1																																																																						
INTEGRAL COACH FACTORY, CHENNAI - 600038																																																																											
REF.DRG.NO.-					AAC14886		A3																																																																				

AAC14952

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

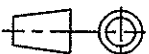


ISOMETRIC VIEW

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.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.-

	25-01-2018	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	FLAT	10x30x30	1		SS-409M	0.07	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
FLAT					SCALE	SSE/D	<i>L. Panduranga</i>
					2:1	CHD	
					ALT.	ALTD	
						DRN	M.S.NETHAJI
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAC14952		A3

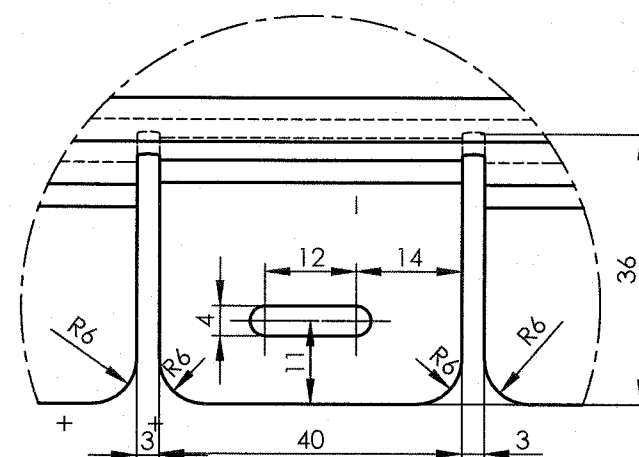
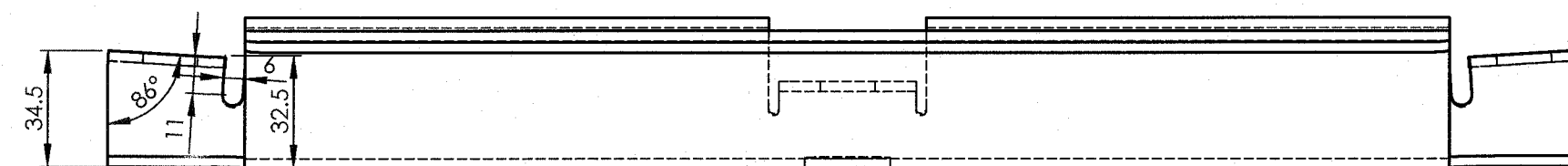
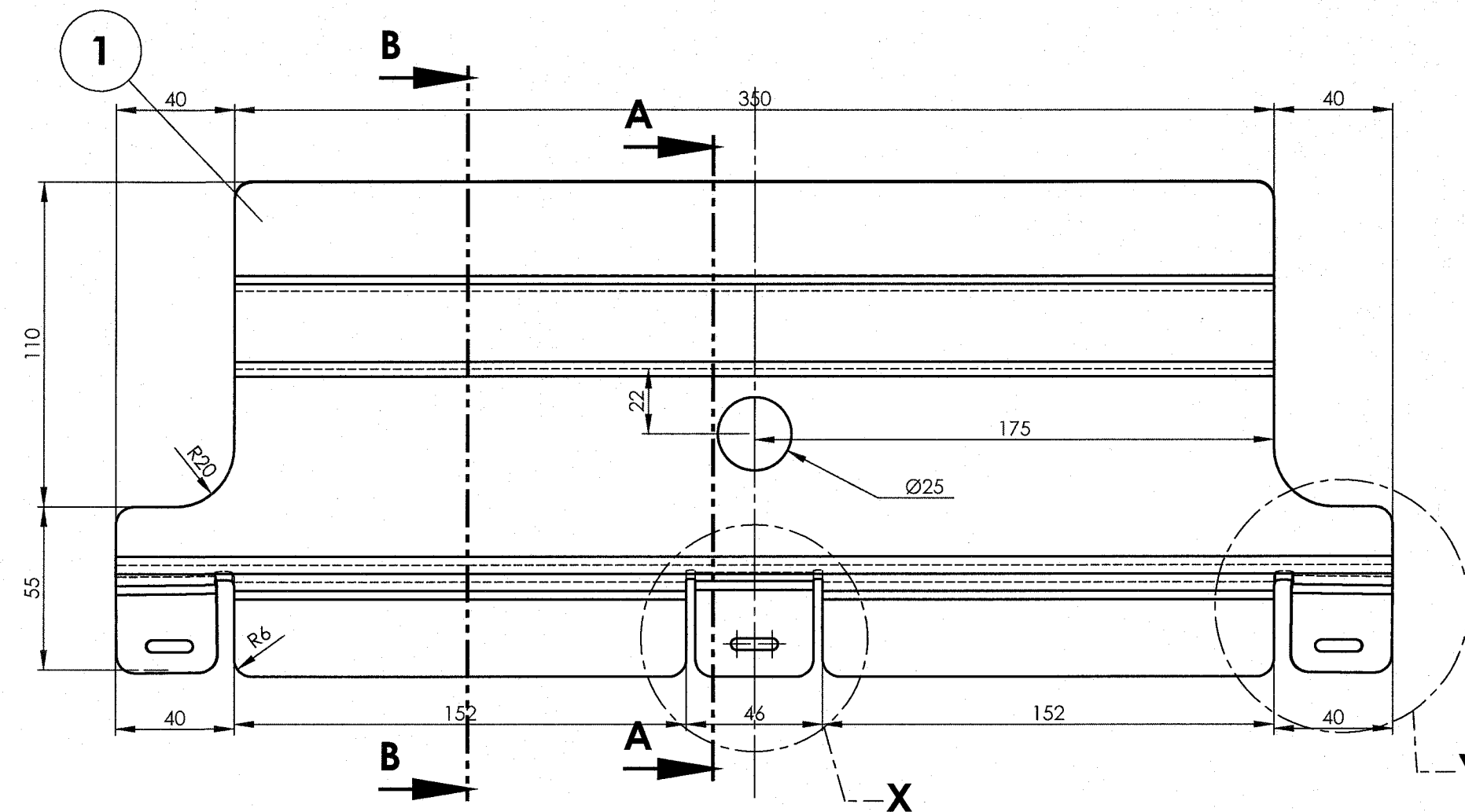
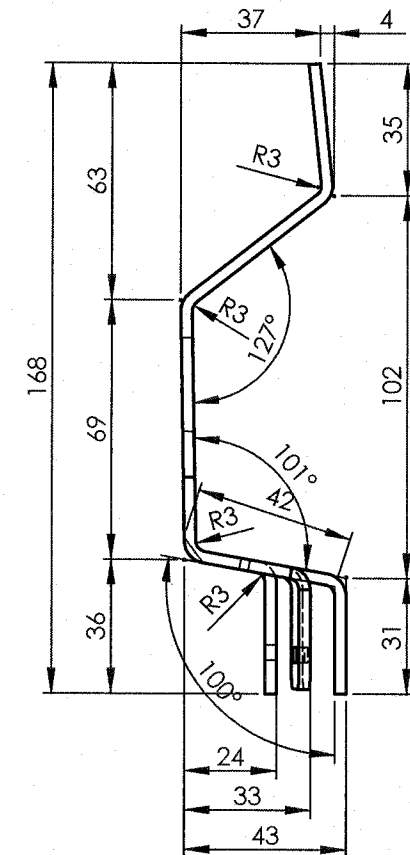
AAC14960

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

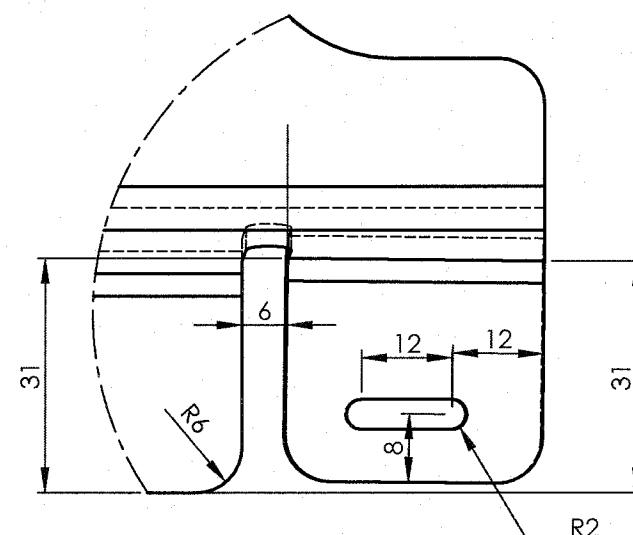
① ROUGH CLEANED
①b BURRS REMOVED
①b CHAMFERED

REVISIONS

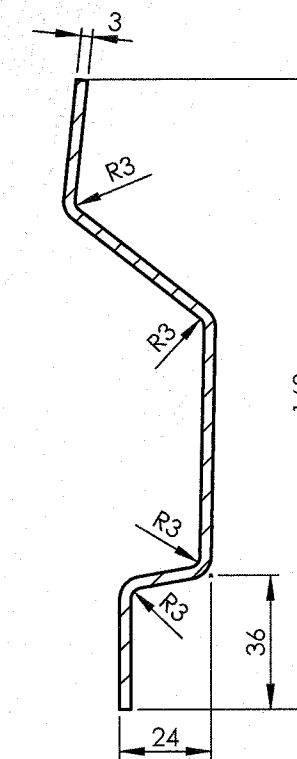
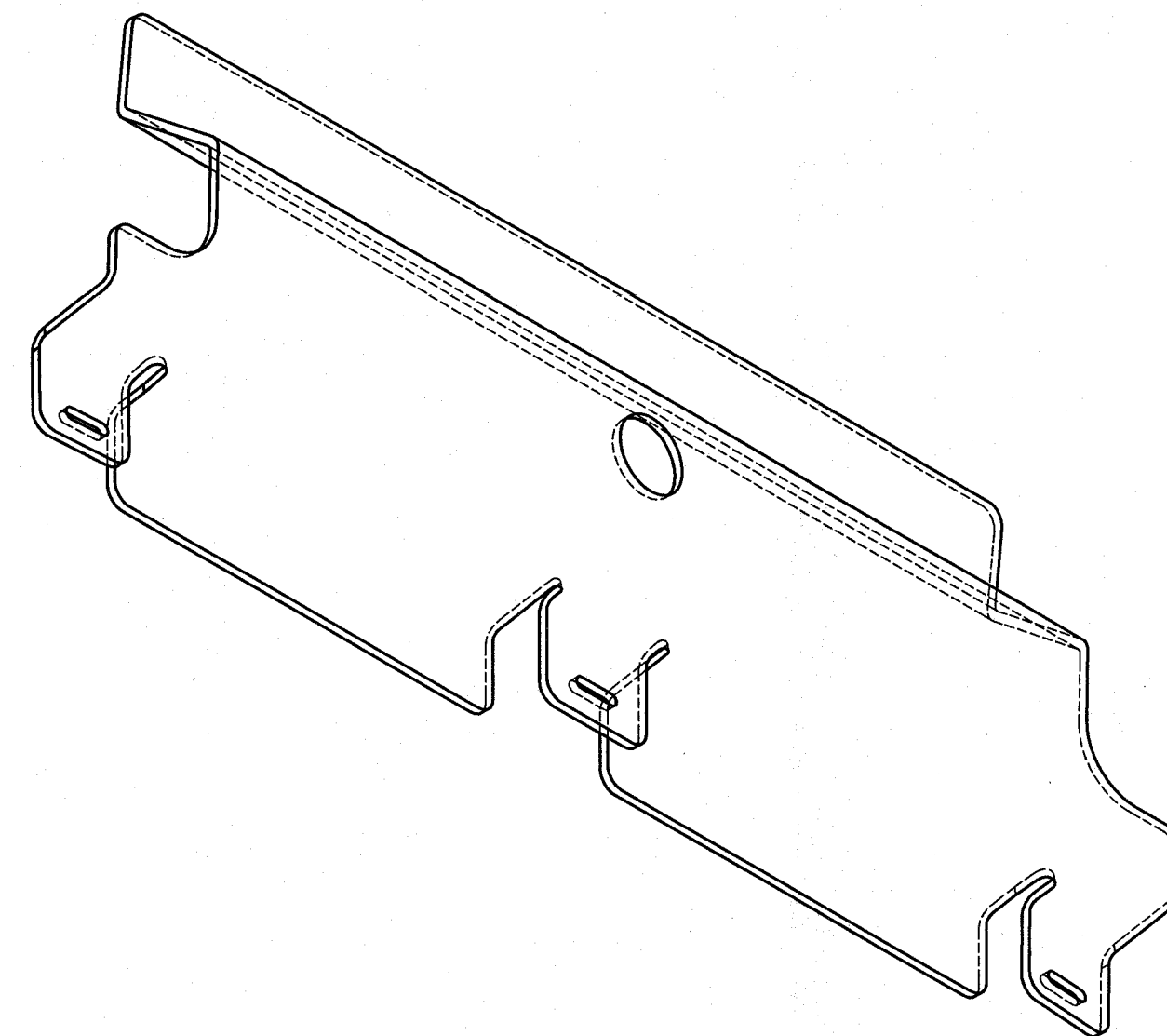
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		Ø 25 HOLE ADDED.	sqd
b		DESIGN REVISED.	CS

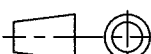


DETAIL X



DETAIL Y

SECTION A-A
SCALE 1 : 2SECTION B-B
SCALE 1 : 2

1	BRACKET FOR LUGGAGE RACK	3x200x430	1		RDSO/SPEC C-K201 X2CrNi12	1.91		
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP:			SURFACE AREA IN Sq.m.: 0.16			WT/ASSY IN Kgs:		
BRACKET FOR LUGGAGE RACK						SCALE 1:1	SSE/D	R Pandiranga Rao
							CHD	
						ALT b	ALTD	A.Muthukumar
							DRN	A.Muthukumar
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038								
						SHEET 1 OF 1		
						AAC14960		A2

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.

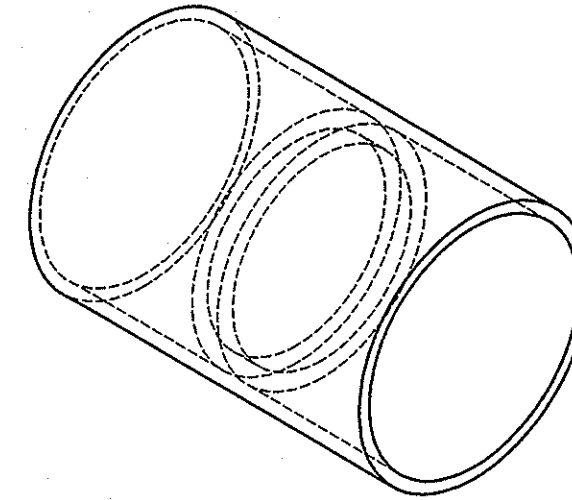
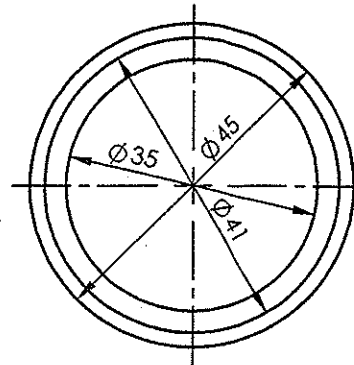
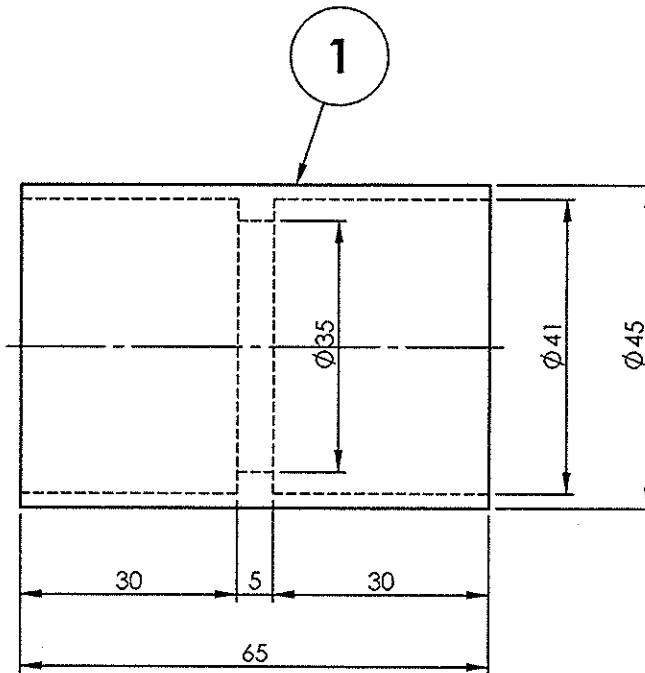
REF.DRG.NO.A.Muthukumar

20-12-18	17-3-2018	CS
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAC16245

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

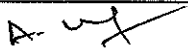
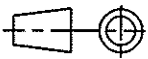


ISOMETRIC VIEW

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.-

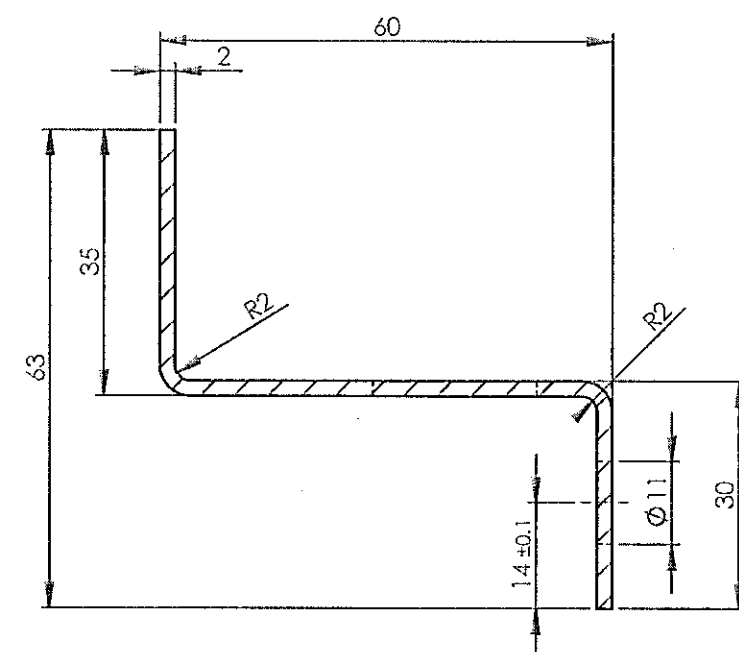
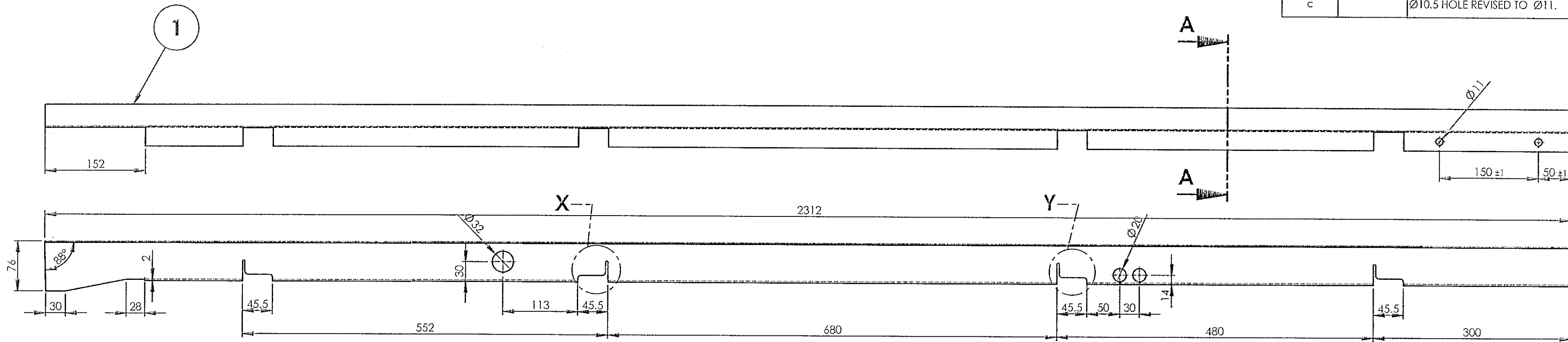
DATE OF LATEST ALT.	11/12/12	AME/SME
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1	COUPLER FOR CONDUITS	ø45 x 65	1		AISI-304	0.15	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 ROOF ASSEMBLY		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
COUPLER FOR CONDUITS					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	
						DRN	K.Sriram
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAC16245		A3

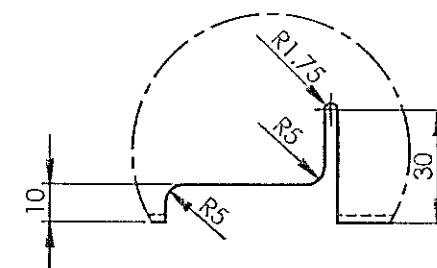
AAD14075

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

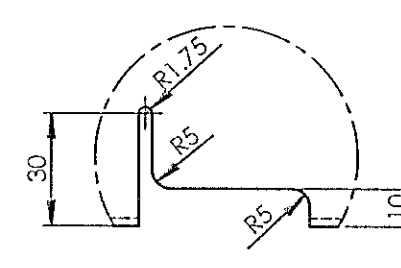
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		Ø 18 HOLE ADDED.	25-01-2018
b		Ø 32 & Ø 20 HOLES ADDED, Ø 18 HOLE DELETED.	24-04-2019
c		Ø10.5 HOLE REVISED TO Ø11.	



SECTION A-A



DETAIL X
SCALE 1 : 2



DETAIL Y
SCALE 1 : 2

1	HORIZONTAL MEMBER	2X117X2312	1		RDSO/SPEC C-K201 X2CrNi12	4.19	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: I-4				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
HORIZONTAL MEMBER					SCALE 1:1	SSE/D	
					CHD		
					ALT c	ALTD	ARUN S
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038					DRN		R.Vijay Rathinam
					SHEET 1 OF 1		
					AAD14075		
					A2		

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

REF.DRG.NO.-

22-10-2025	25-01-2018	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

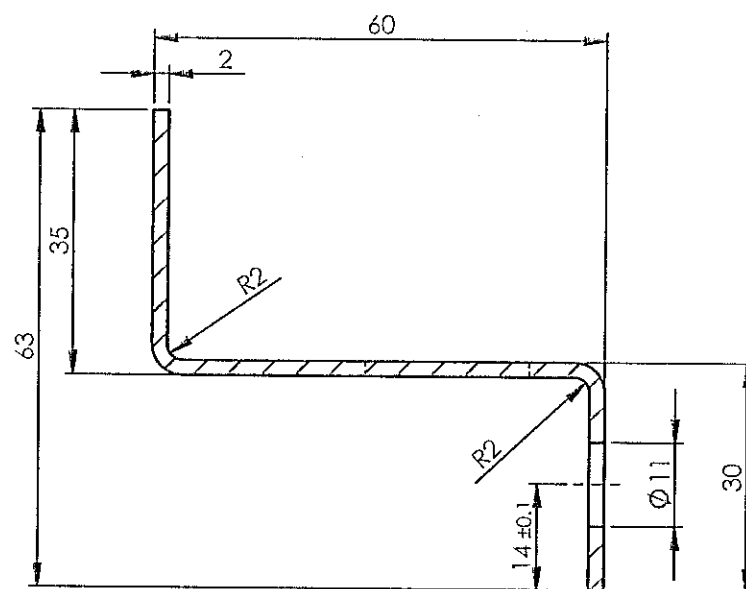
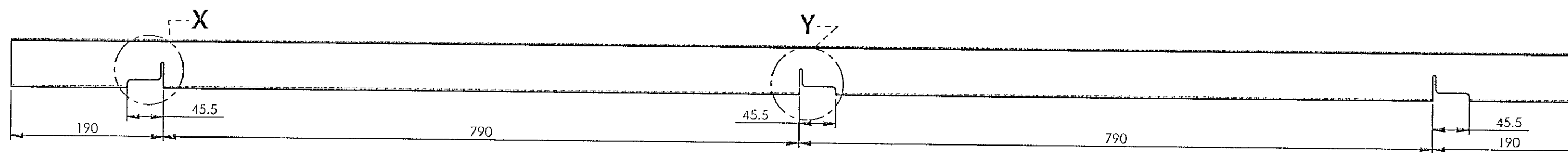
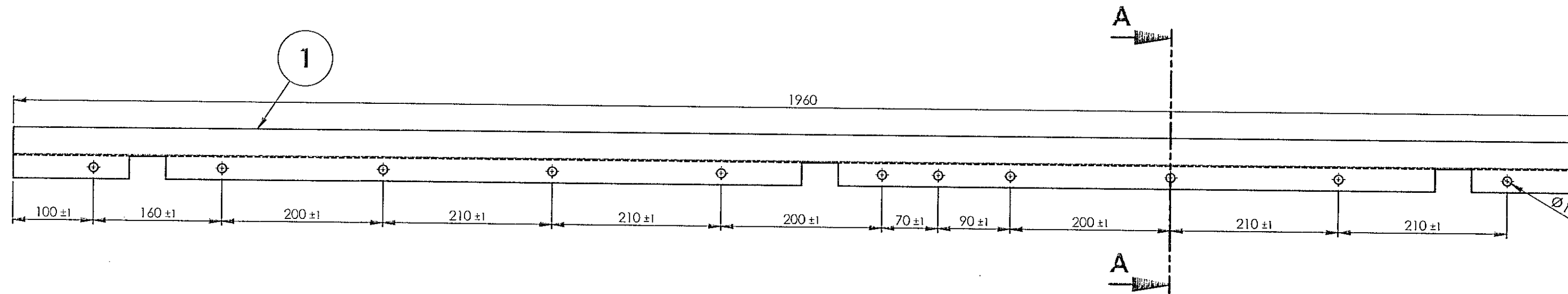
AAD14076

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

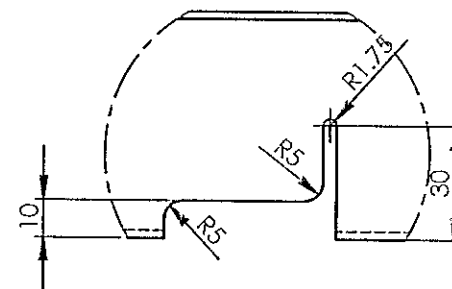
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①⑩ BURRS REMOVED
①⑧ CHAMFERED

REVISIONS

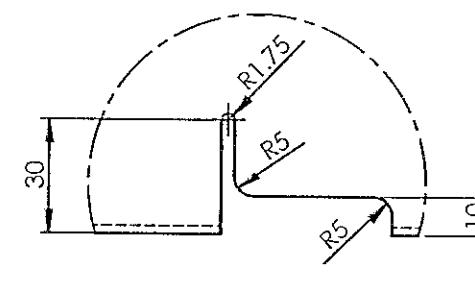
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		TOLERANCE ADDED FOR HOLE DIMENSION IN SECTION-AA	26-04-2022
b		Ø10.5 HOLE REVISED TO Ø11.	



SECTION A-A
SCALE 1 : 1



DETAIL X
SCALE 1 : 2



DETAIL Y
SCALE 1 : 2

1	HORIZONTAL MEMBER	2x117x1960	1		RDSO/SPEC C-K201 X2CrNi12	3.61	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4 Body Side Walls				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
HORIZONTAL MEMBER				SCALE 1:20		SSE/D	
						CHD	
				ALT b		ALTD	ARUN S
						DRN	ARUN S
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		AAD14076	
INTEGRAL COACH FACTORY, CHENNAI - 600038						A2	

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. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

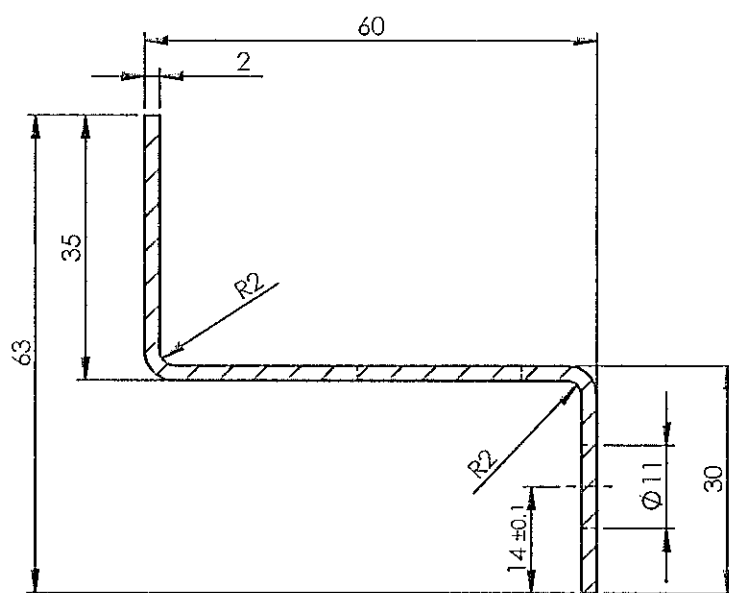
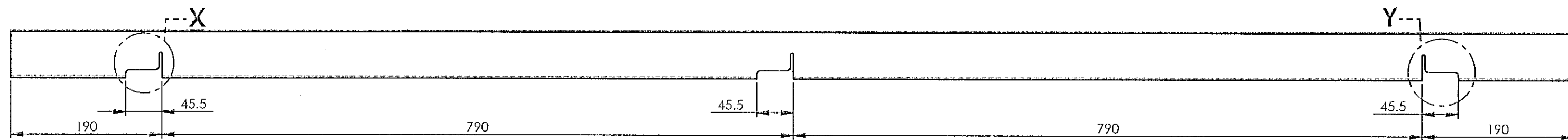
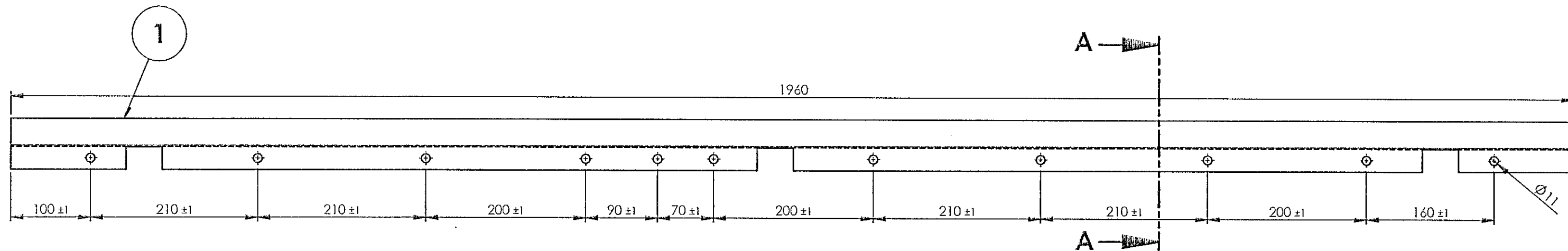
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22-10-2025	28-01-2018	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

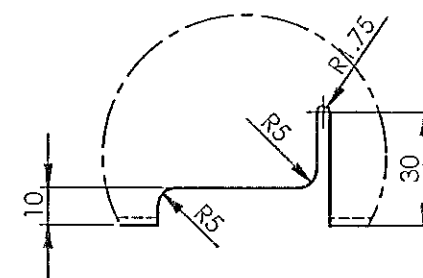
AAD14077

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

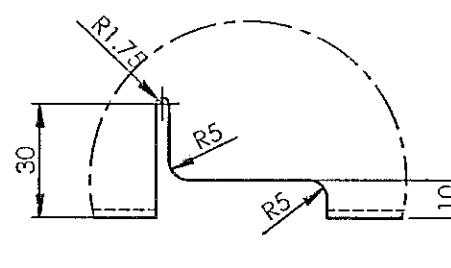
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		TOLERANCE ADDED FOR HOLE DIMENSION IN SECTION-AA	26-04-2022
b		Ø10.5 HOLE REVISED TO Ø11.	<i>Ed</i>



SECTION A-A



DETAIL X
SCALE 1 : 2



DETAIL Y
SCALE 1 : 2

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

REF.DRG.NO.

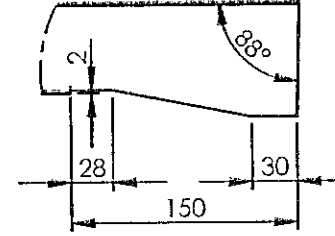
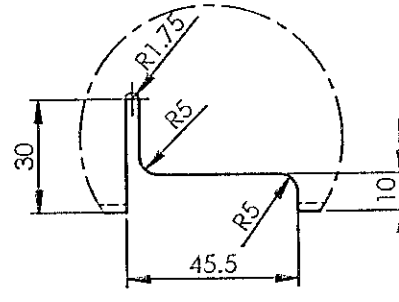
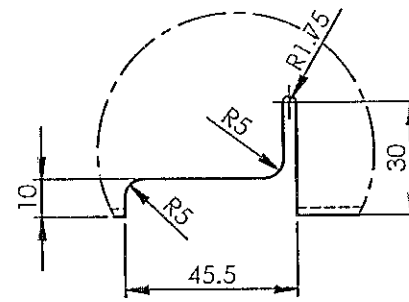
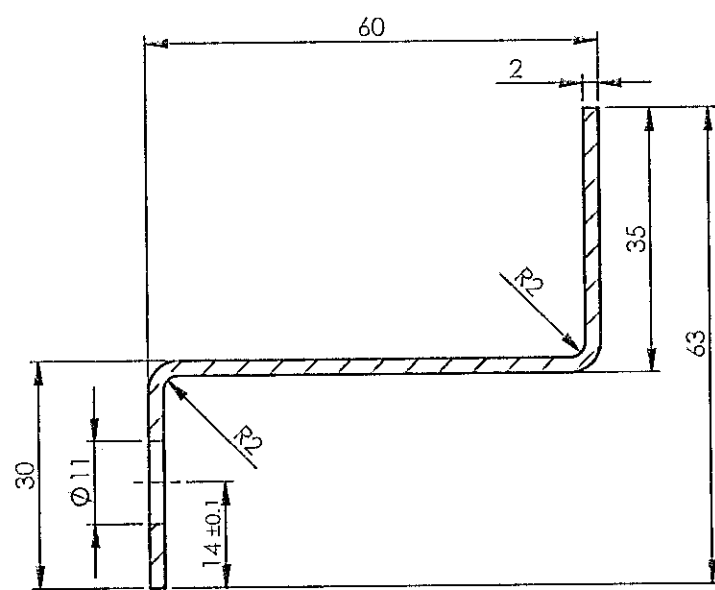
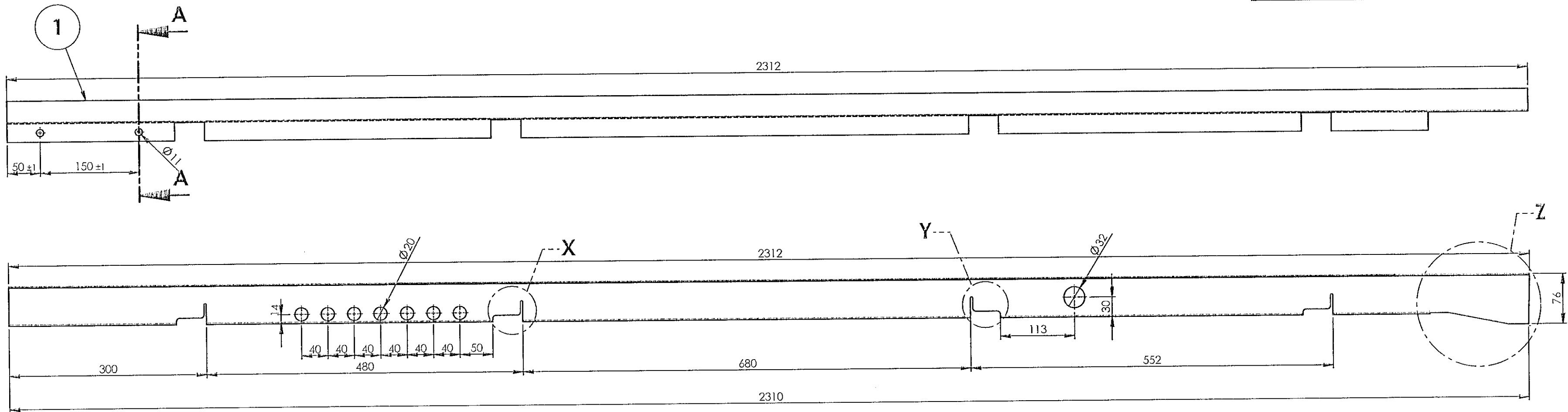
22-10-2025	28-01-2018	<i>Ed</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	HORIZONTAL MEMBER	2x117x1960	1		RDSO/SPEC C-K201 X2CrNi12	3.61	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4 Body Side Walls				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
HORIZONTAL MEMBER				SCALE 1:1		SSE/D	<i>Ed</i>
						CHD	
				ALT/ b		ALTD	ARUN S
						DRN	ARUN S
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		AAD14077	
INTEGRAL COACH FACTORY, CHENNAI - 600038						A2	

AAD14078

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	⑩ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑱ CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		Ø 18 HOLE ADDED.	16-04-2018
b		Ø 32 & Ø 20 HOLES ADDED.	24-04-2019
c		Ø10.5 HOLE REVISED TO Ø11.	



SECTION A-A
SCALE 1:1

DETAIL X
SCALE 1:2

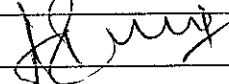
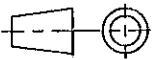
DETAIL Y
SCALE 1:2

DETAIL Z
SCALE 1:5

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

22-10-2025	27-01-17	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

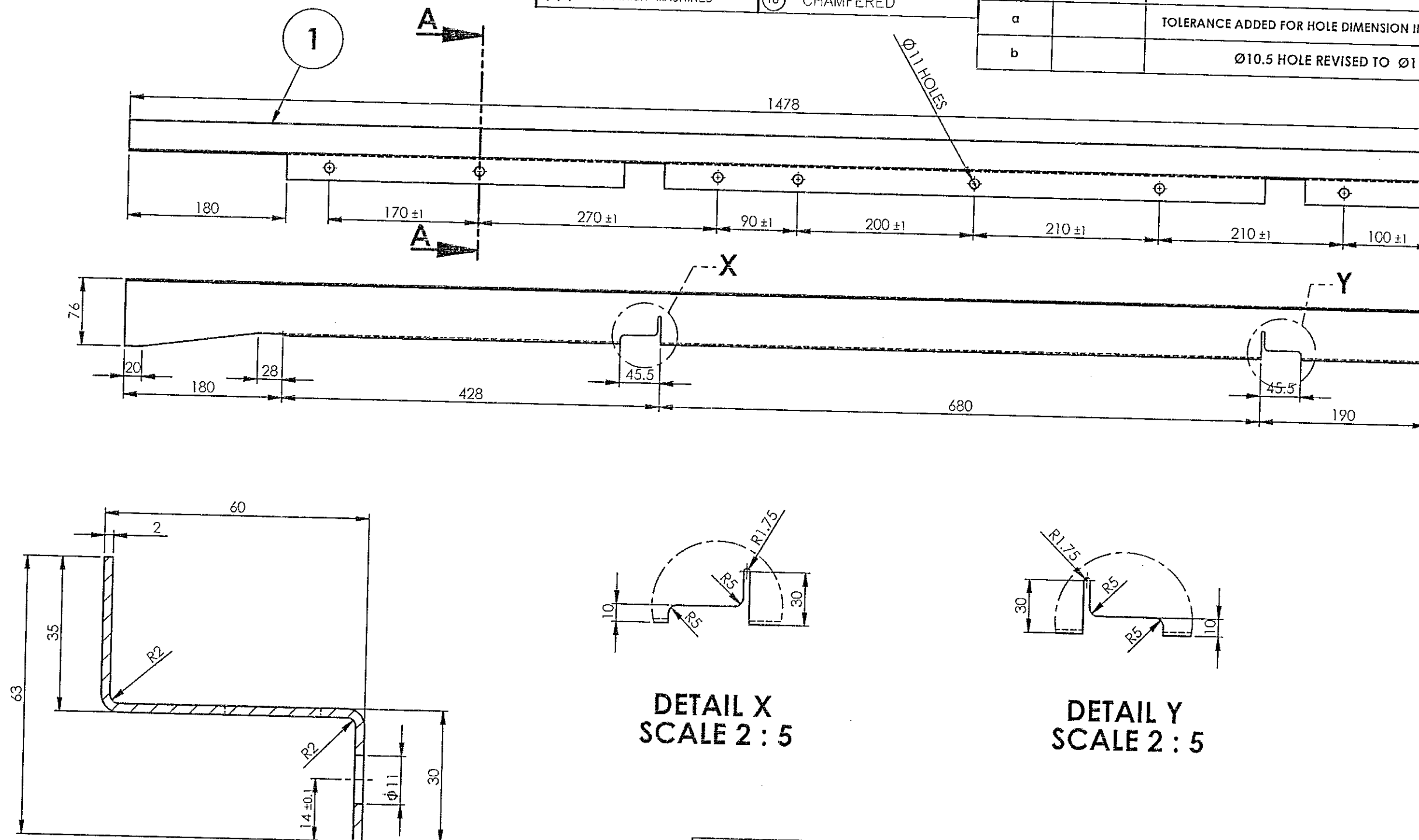
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Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS				
GROUP: 1-4		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:						
HORIZONTAL MEMBER					SCALE 1:10	SSE/D CHD					
					ALT c	ALTD DRN		ARUN S			
											R.Vijay Rathinam
											
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1	AAD14078		A2				
INTEGRAL COACH FACTORY, CHENNAI - 600038											

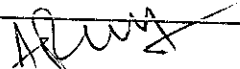
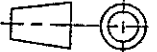
AAD14080

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

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		TOLERANCE ADDED FOR HOLE DIMENSION IN SECTION-AA	26-04-2022
b		Ø10.5 HOLE REVISED TO Ø11.	

SECTION A-A
SCALE 1 : 1DETAIL X
SCALE 2 : 5DETAIL Y
SCALE 2 : 5

1	HORIZONTAL MEMBER	2x117x1478	1		RDSO/SPEC C-K201 X2CrNi12	2.68	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
HORIZONTAL MEMBER					SCALE	SSE/D	
					1:5	CHD	
					ALT. b	ALTD	ARUN S
						DRN	R.Vijay Rathinam
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			A3
INTEGRAL COACH FACTORY, CHENNAI - 600038							
					AAD14080		

22-10-2025	31-01-2018	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

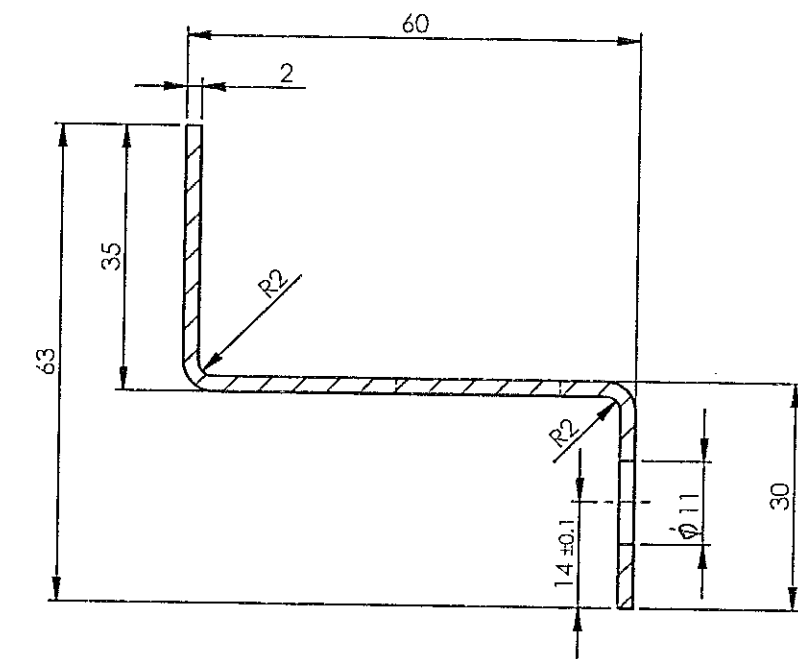
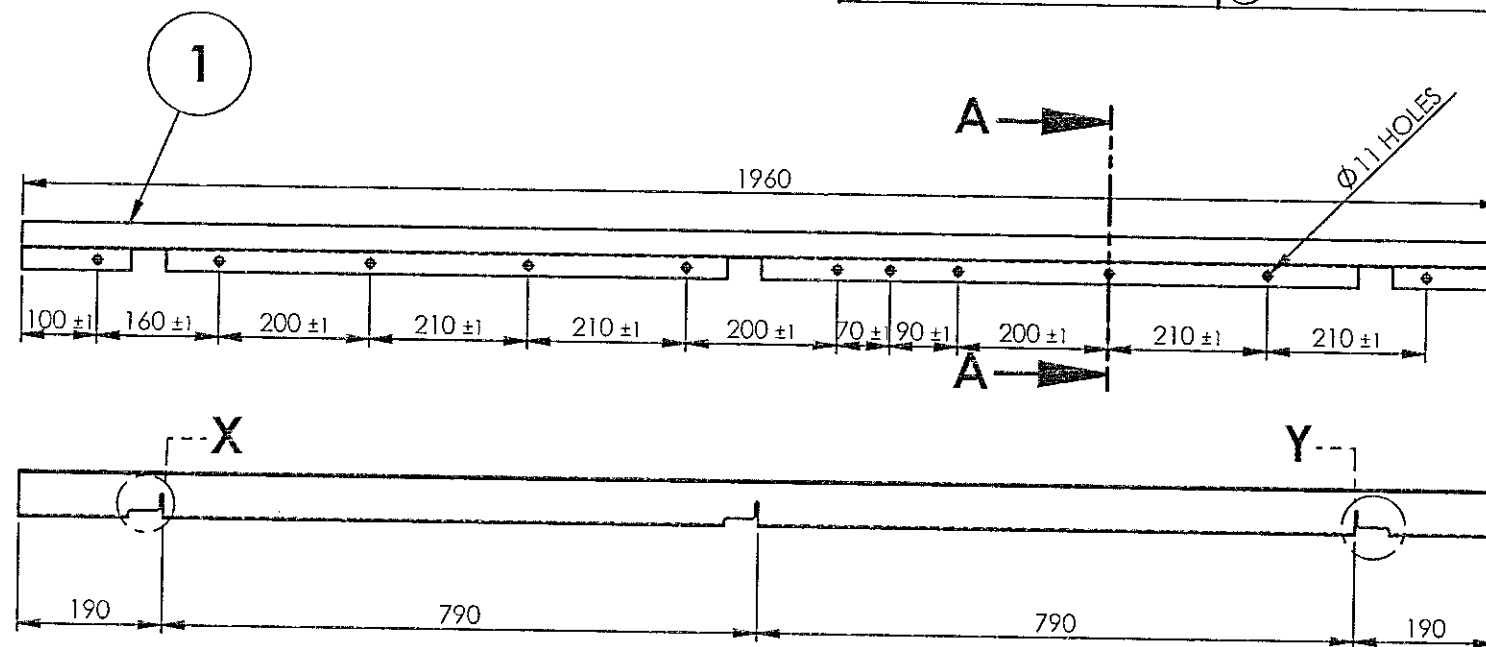
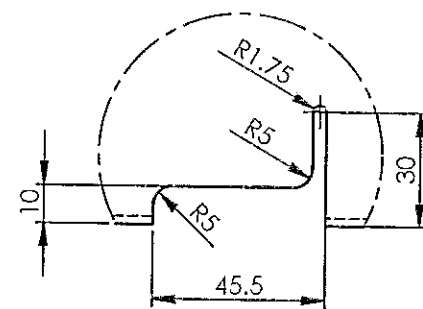
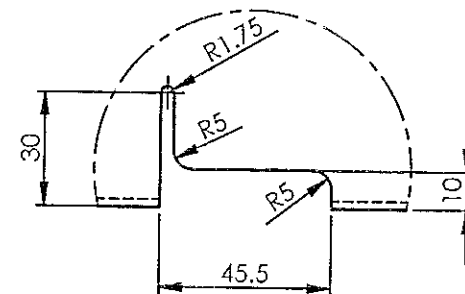
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.

AAD14081

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		TOLERANCE ADDED FOR HOLE DIMENSION IN SECTION-AA	26-04-2022
b		Ø10.5 HOLE REVISED TO Ø11.	

SECTION A-A
SCALE 1 : 1DETAIL X
SCALE 1 : 2DETAIL Y
SCALE 1 : 2

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

REF.DRG.NO.

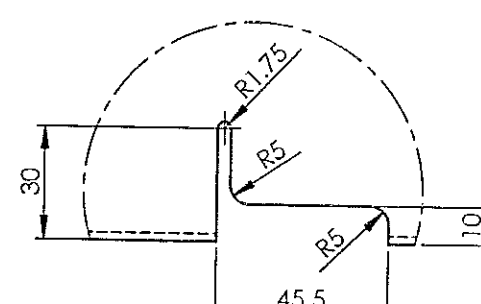
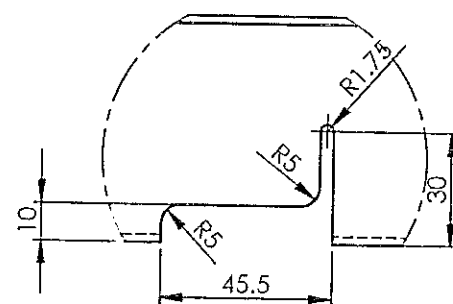
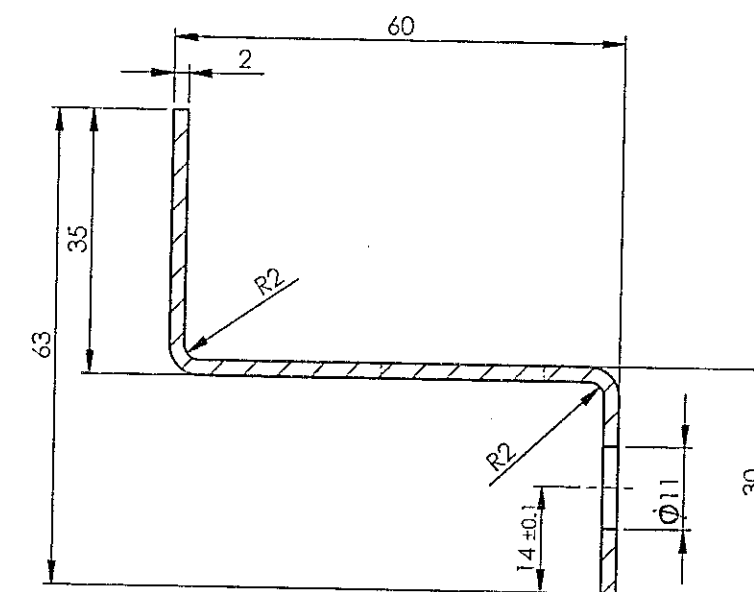
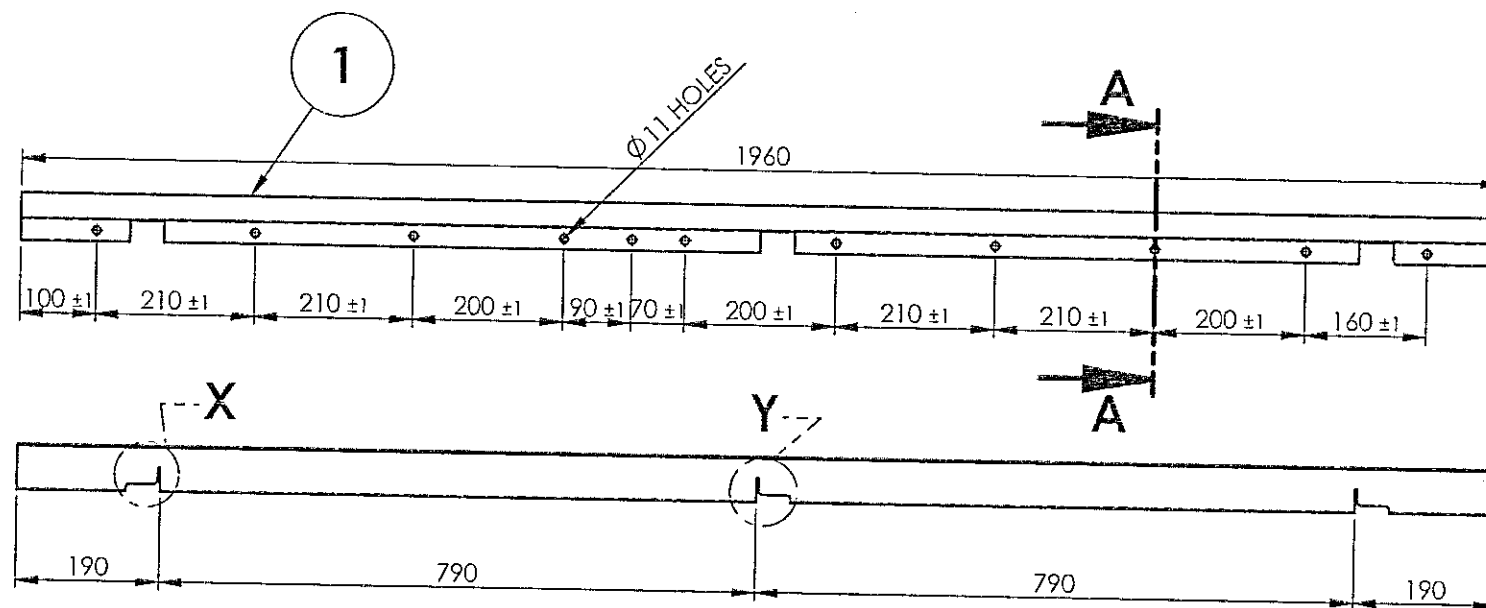
21-10-2025	31-01-2018	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	HORIZONTAL MEMBER	2x117x1960	1		RDSO/SPEC C-K201 X2CrNi12	3.61	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
HORIZONTAL MEMBER					SCALE 1:10	SSE/D	
						CHD	
					ALT. b	ALTD	ARUN S
						DRN	R.Vijay Rathinam
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAD14081		A3

AAD14082

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		TOLERANCE ADDED FOR HOLE DIMENSION IN SECTION-AA	26-04-2022
b		Ø10.5 HOLE REVISED TO Ø11.	<i>g</i>



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.

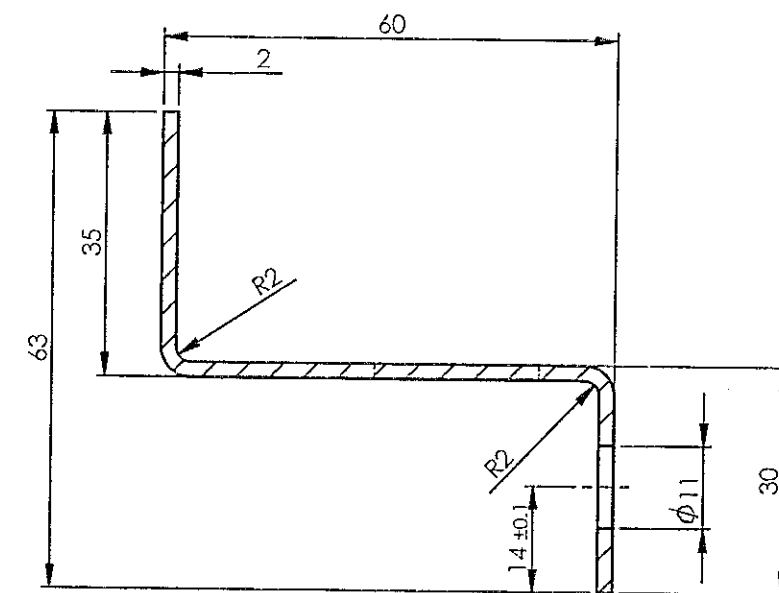
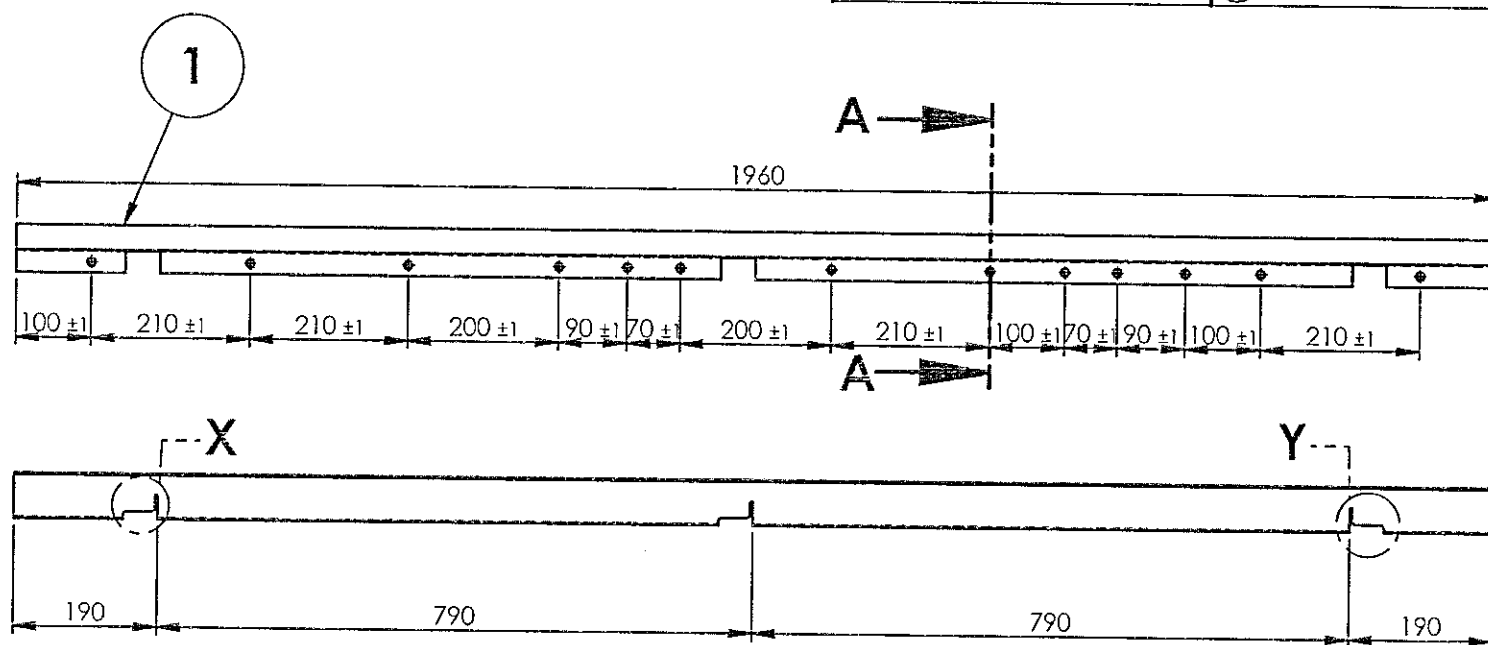
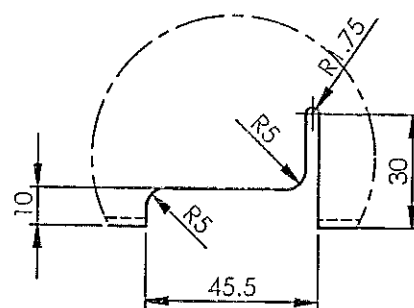
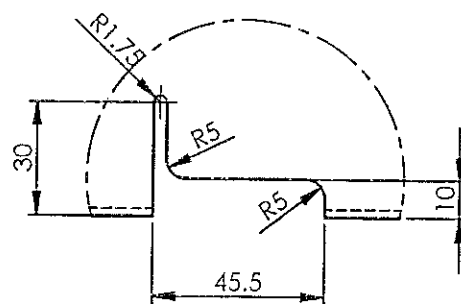
22-10-2025	31-01-2018	<i>g</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	HORIZONTAL MEMBER	2x117x1960	1		RDSO/SPEC C-K201 X2CrNi12	3.61	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
HORIZONTAL MEMBER					SCALE 1:10	SSE/D CHD	<i>g</i>
					ALT. b	ALTD ARUN S	
						DRN VIJAY RATHINAM R	
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAD14082		A3

AAD14083

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		TOLERANCE ADDED FOR HOLE DIMENSION IN SECTION-AA	26-04-2022
b		Ø10.5 HOLE REVISED TO Ø11.	<i>[Signature]</i>

SECTION A-A
SCALE 1 : 1DETAIL X
SCALE 1 : 2DETAIL Y
SCALE 1 : 2

1	HORIZONTAL MEMBER	2x117x1960	1		RDSO/SPEC C-K201 X2CrNi12	3.61	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
HORIZONTAL MEMBER					SCALE 1:10	SSE/D CHD	<i>[Signature]</i>
					ALT. b	ALTD DRN	ARUN S R VIJAY RATHINAM
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAD14083		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.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

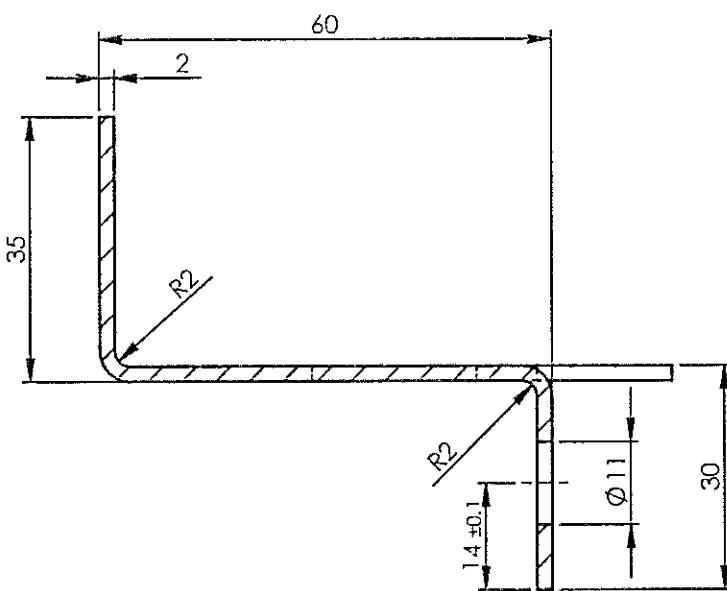
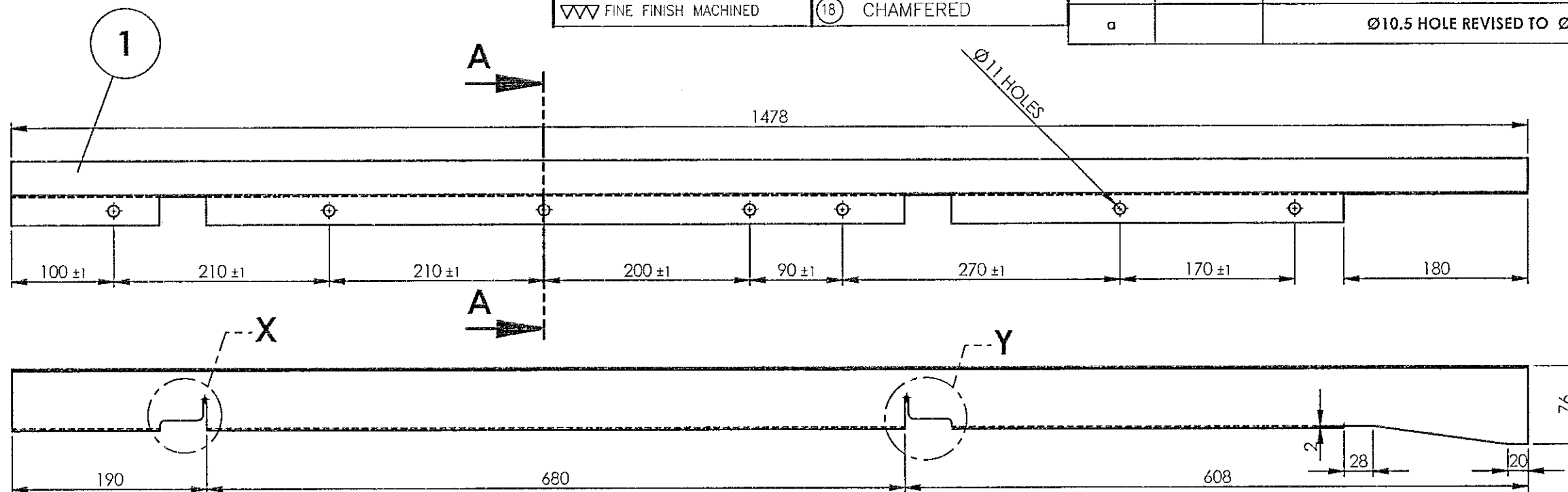
REF.DRG.NO.

22-10-2025	31-01-2018	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

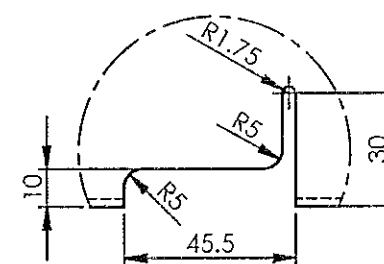
AAD14084

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

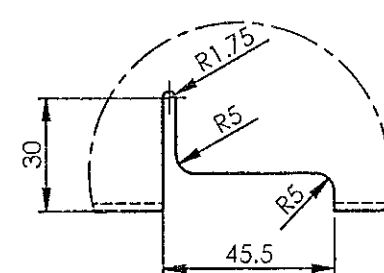
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		Ø10.5 HOLE REVISED TO Ø11.	



SECTION A-A
SCALE 1 : 1



DETAIL X
SCALE 1 : 2



DETAIL Y
SCALE 1 : 2

1	HORIZONTAL MEMBER	2X117X1478	1		RDSO/SPEC C-K201 X2CrNi12	2.67	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
HORIZONTAL MEMBER					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	ARUN S
					a	DRN	R.Vijay Rathinam
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1		AAD14084

21-10-2025	31-01-2018	
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. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY