

AAFI6250

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

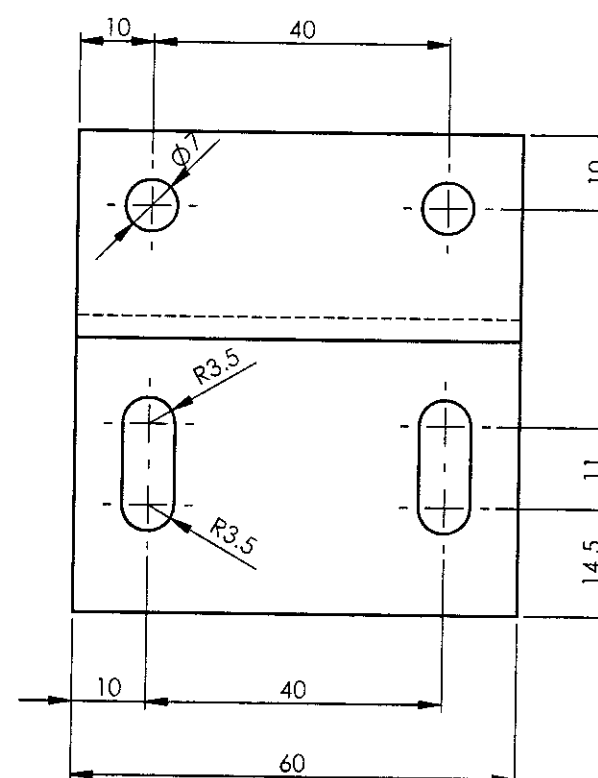
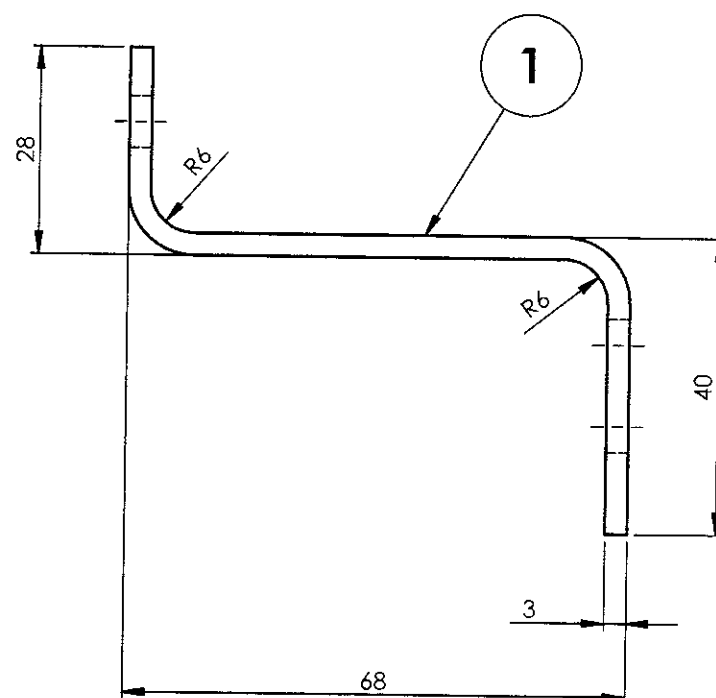
① ROUGH CLEANED
② BURRS REMOVED
③ CHAMFERED

REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &
DATE

1	BRACKET	3 x 60 x 124	1		RD50/SPEC C- K201 X2 Cr Ni 12	0.171	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction				SURFACE AREA IN Sq.m.: 0.016		WT/ASSY IN Kgs: 0.171	
BRACKET					SCALE 1:1	SSE/D CHD	<i>H. Sathish Kumar</i>
					ALT.	ALTD	
						DRN	E.SATHISH KUMAR
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		AAFI6250	
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-Q-001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.

REF.DRG.NO.2 1103.0.76.095.010

	08-09-2025	<i>H. Sathish Kumar</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAAF16303

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

ALT.

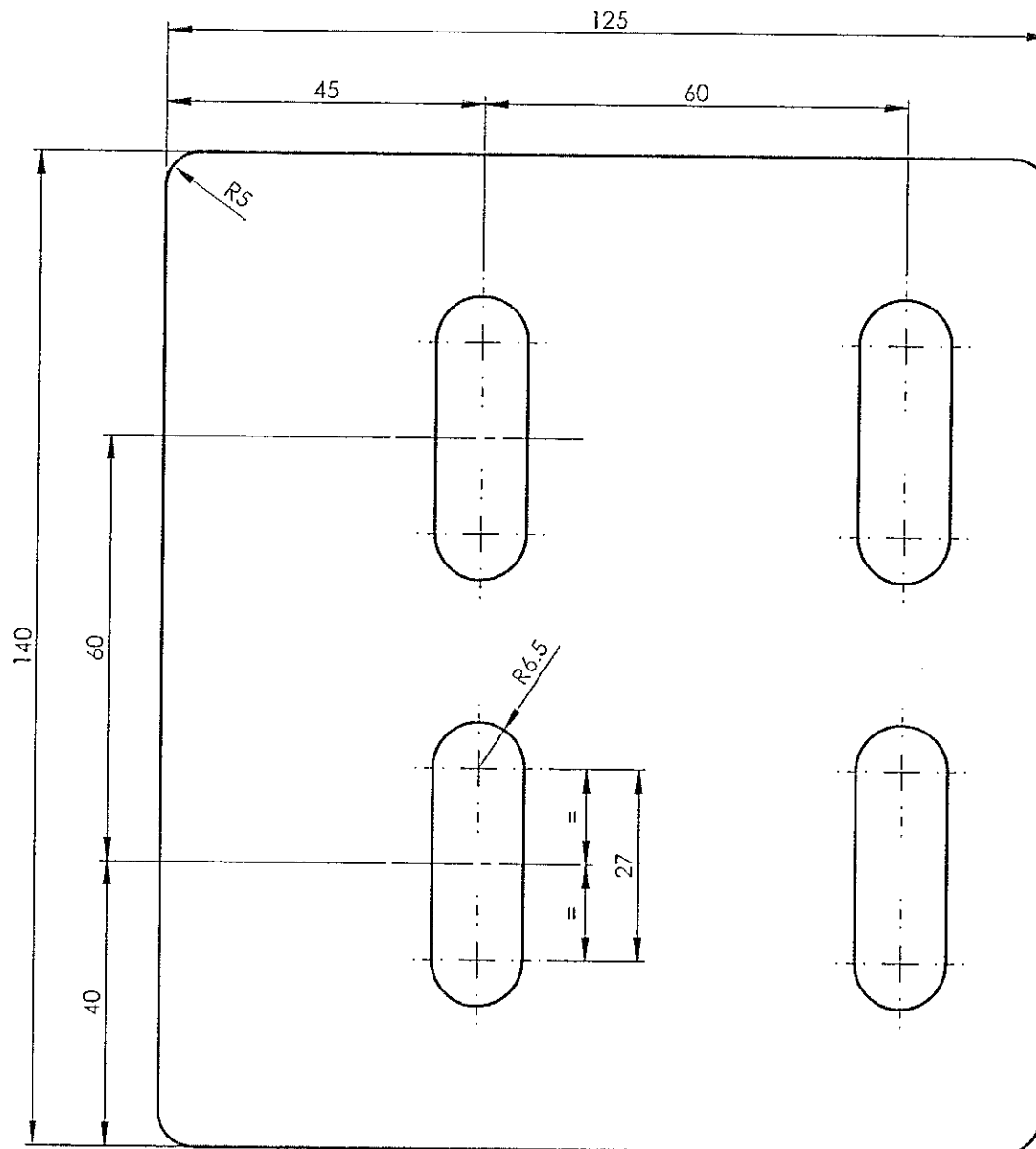
ZONE

REVISIONS

DESCRIPTION

APPROVED &
DATE

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WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY



1	PLATE	5x125x140	1		RDSO/SPEC C-K201 X2CrNi12	0.62	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction				SURFACE AREA IN Sq.m.:0.04		WT/ASSY IN Kgs:	
PLATE					SCALE 1:1	SSE/D CHD	H. Shrin
					ALT.	ALTD	
					DRN	VEDA VARSHINIE	
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAAF16303		
					A3		

REF.DRG.NO.

07-11-25

DATE OF LATEST ALT.

DATE OF FIRST ISSUE

AME/SME

INDIAN RAILWAY STANDARDS

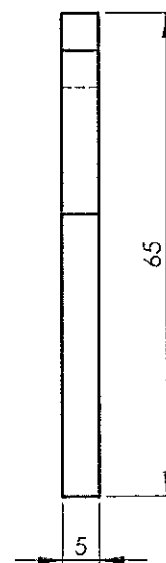
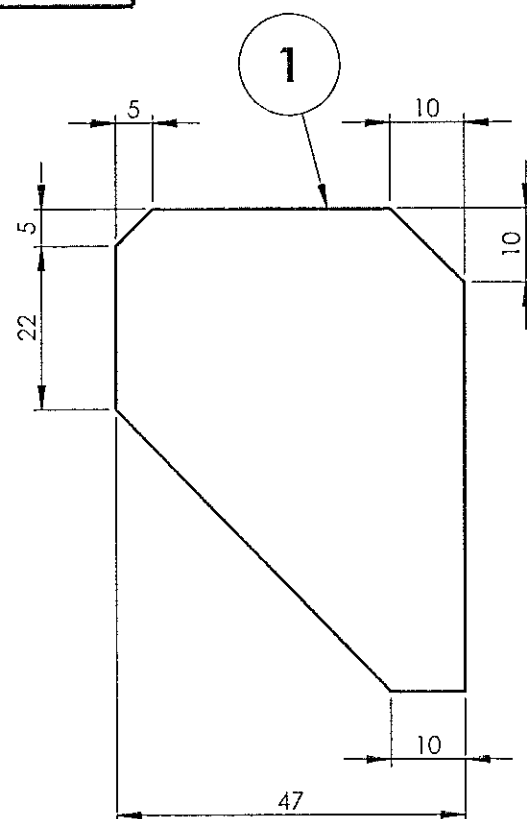
INTEGRAL COACH FACTORY, CHENNAI - 600038

AA16304

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

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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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 EN ISO 2553.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

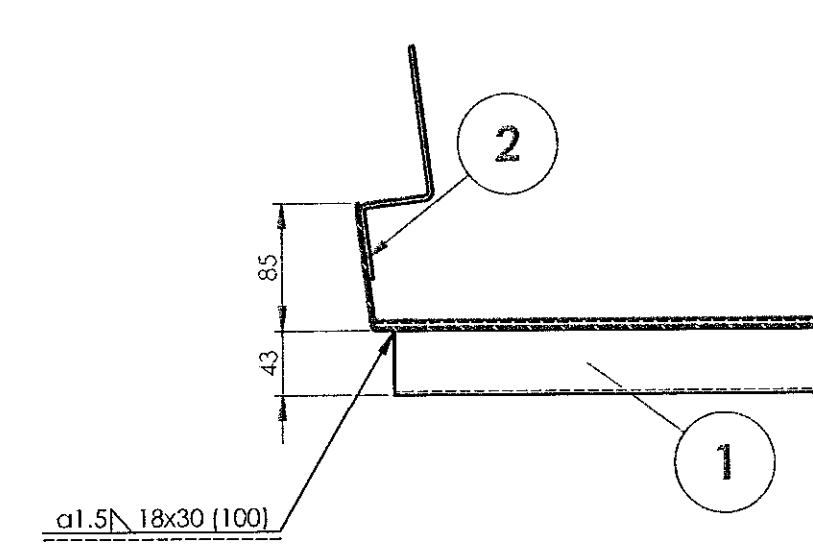
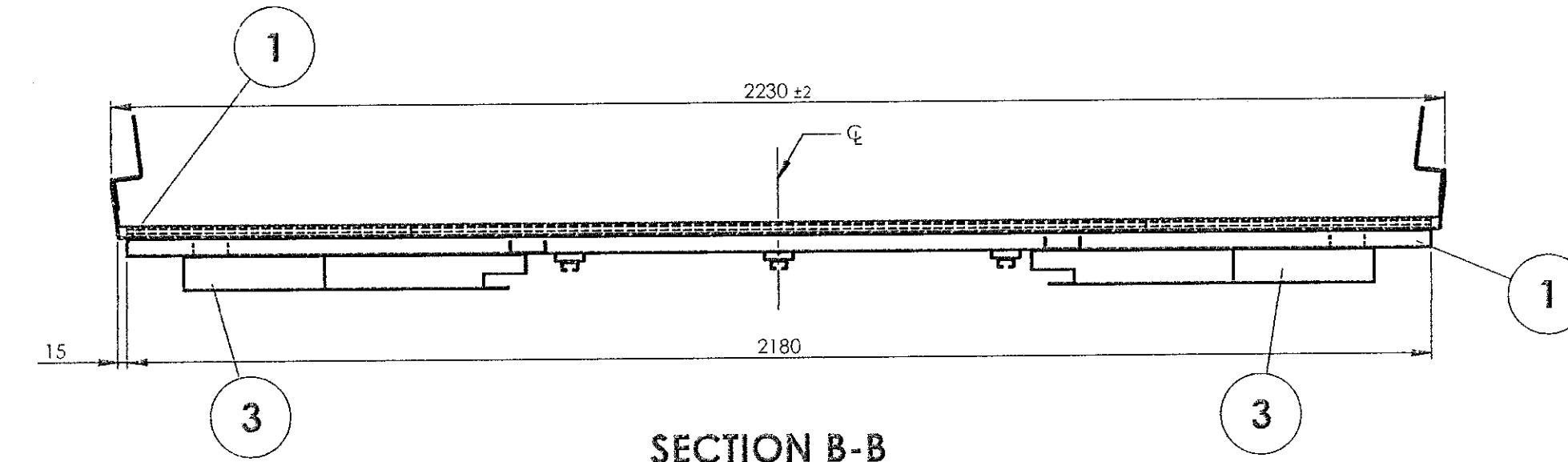
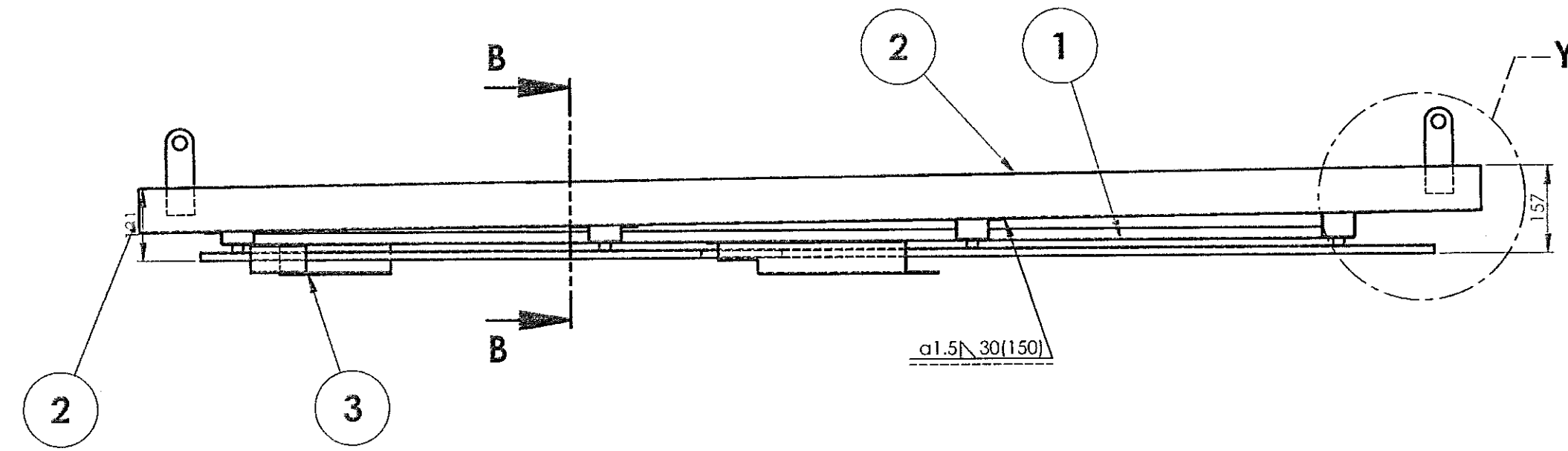
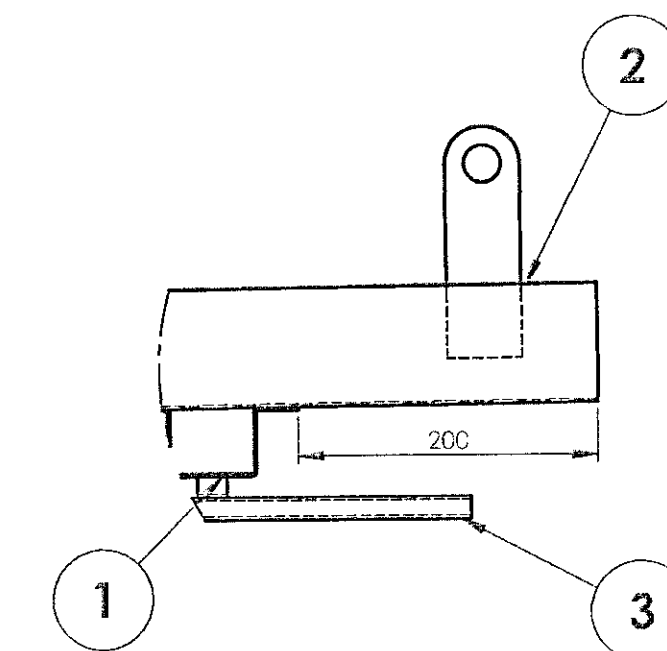
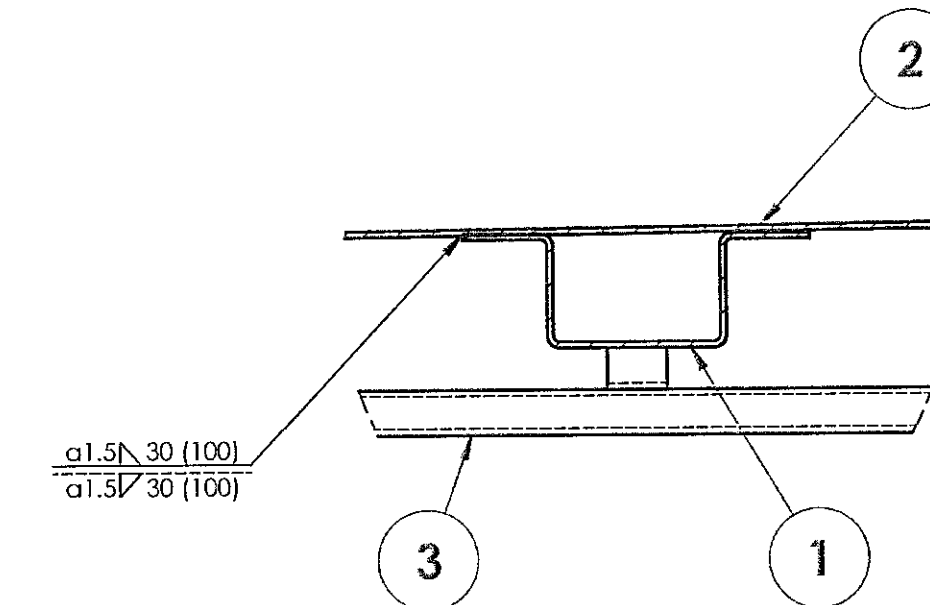
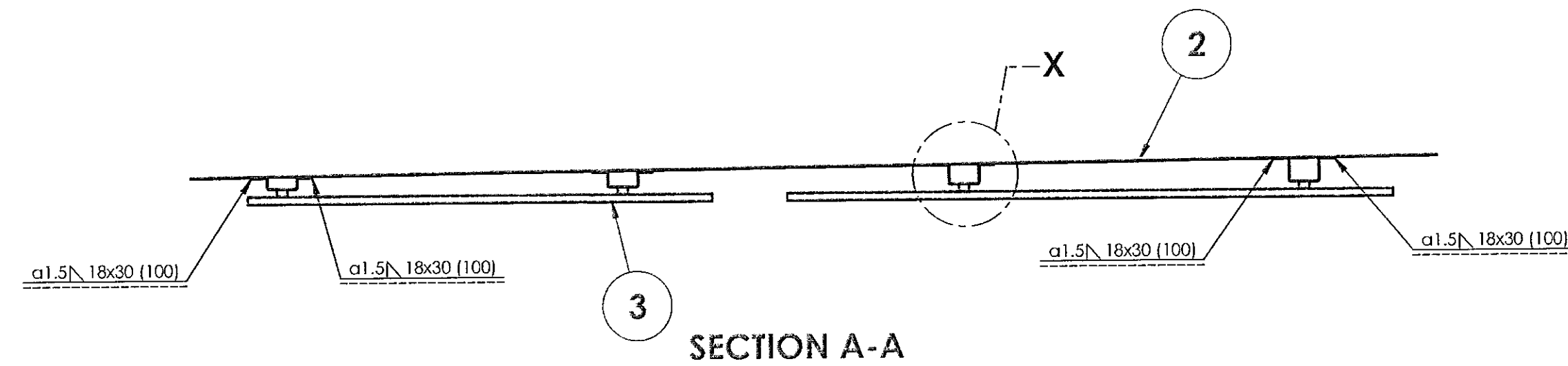
REF.DRG.NO.-

-	07-11-25	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	RIB	5x47x65	1		RDSO SPEC C-K201 X2 Cr Ni 12	0.09	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction					SURFACE AREA IN Sq.m.:0.01		WT/ASSY IN Kgs:
RIB					SCALE 1:1	SSE/D CHD	<i>[Signature]</i>
					ALT. -	ALTD DRN	VEDA VARSHINIE
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		AA16304	
INTEGRAL COACH FACTORY, CHENNAI - 600038						A3	

82716005

12	13	14	15	16
▽ ROUGH MACHINED	① ROUGH CLEANED	REVISIONS		
▽▽ FINISH MACHINED	② BURRS REMOVED	ALT.	ZONE	APPROVED & DATE
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED	α		ITEM-2 & 3 REVISED AND VIEWS UPDATED.

SECTION C-C
SCALE 1 : 5DETAIL Y
SCALE 1 : 5DETAIL X
SCALE 1 : 2.5

SECTION A-A

NOTE :

1. STAINLESS STEEL ELECTRODE OF SAME COMPOSITION AS PER TABLE-3 OF RDSO/SPEC. CK-201 SHALL BE USED FOR WELDING.
2. ALL WELDING SHALL BE OF TIG UNLESS OTHERWISE SPECIFIED.
3. FOR WELD TESTING PREFERENCES REFER DRG. No. ICF/STD-9-0-998.
4. FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.
5. ALL WELDED JOINTS SPATTERS SHALL BE GROUND.
6. ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
7. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
8. ALTERNATIVELY MATERIAL SPEC. ASTM A240 TYPE-304 ALSO ACCEPTABLE IN PLACE OF IS: 6911 X04C19N19.


1	WELDING PARTS		3	82716007			9.43	
1	ROOF SHEET ASSY		2	82716006			92.27	
1	FRAME WORK FOR FLAT ROOF ASSEMBLY		1	82716008			31.64	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS	
GROUP: 1-6 Roof Construction			SURFACE AREA IN Sq.m.: 16737627.4		WT/ASSY IN Kgs:			
FLAT ROOF ASSEMBLY					SCALE 1:10	SSE/D CHD		
					ALT. α	ALTD DRN	E.SATHISH KUMAR	
					E.SATHISH KUMAR			
					LWFAC/PP2			
					INDIAN RAILWAY STANDARDS			
INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1	82716005		A1

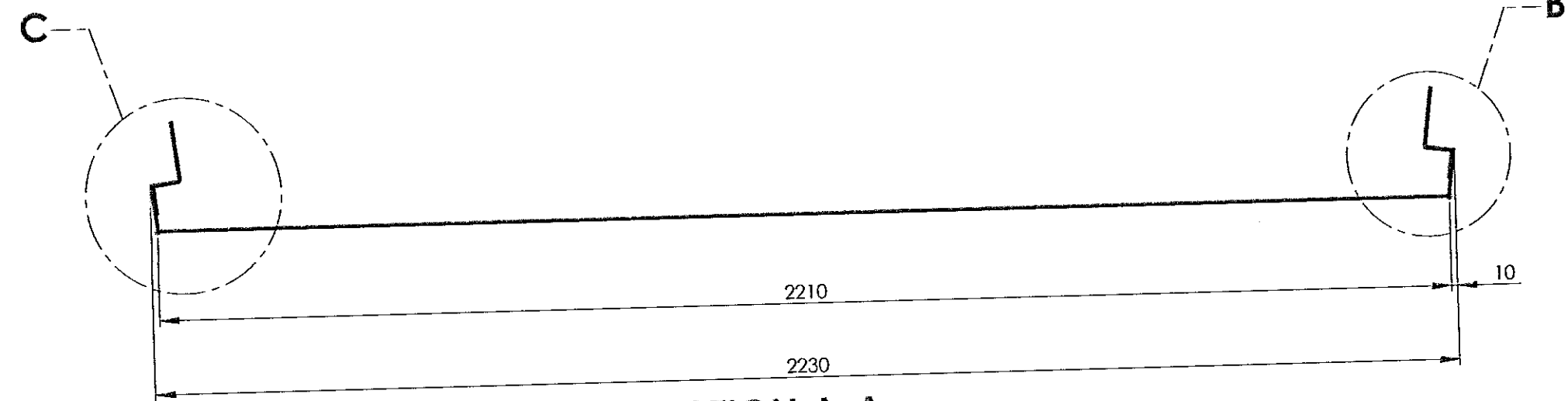
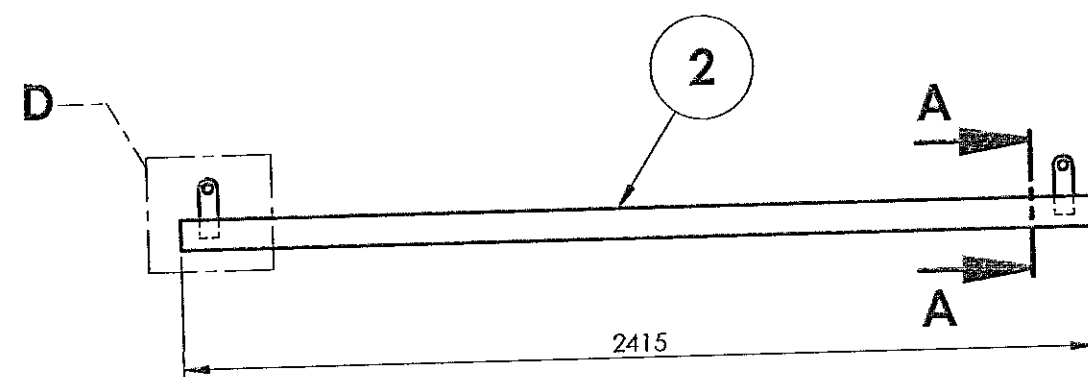
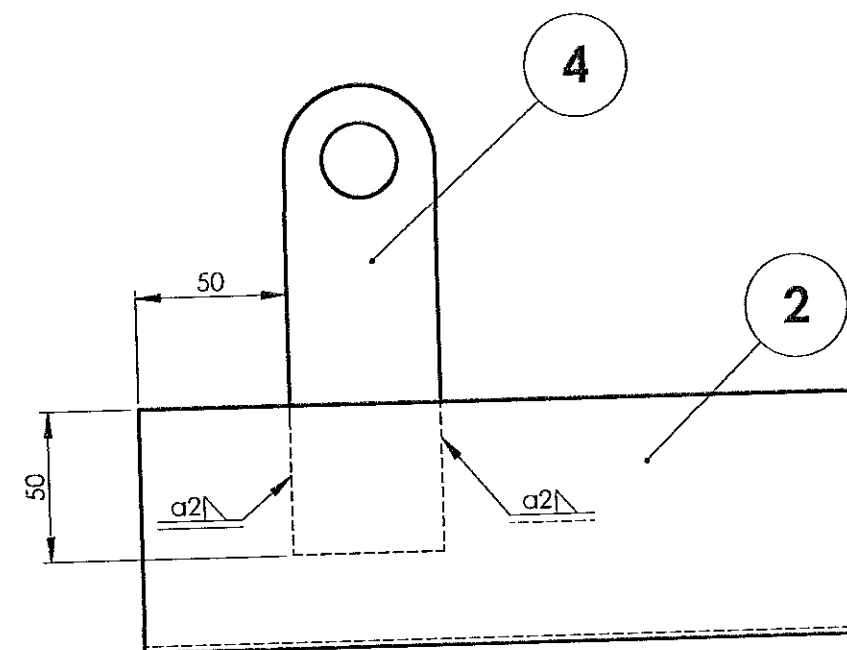
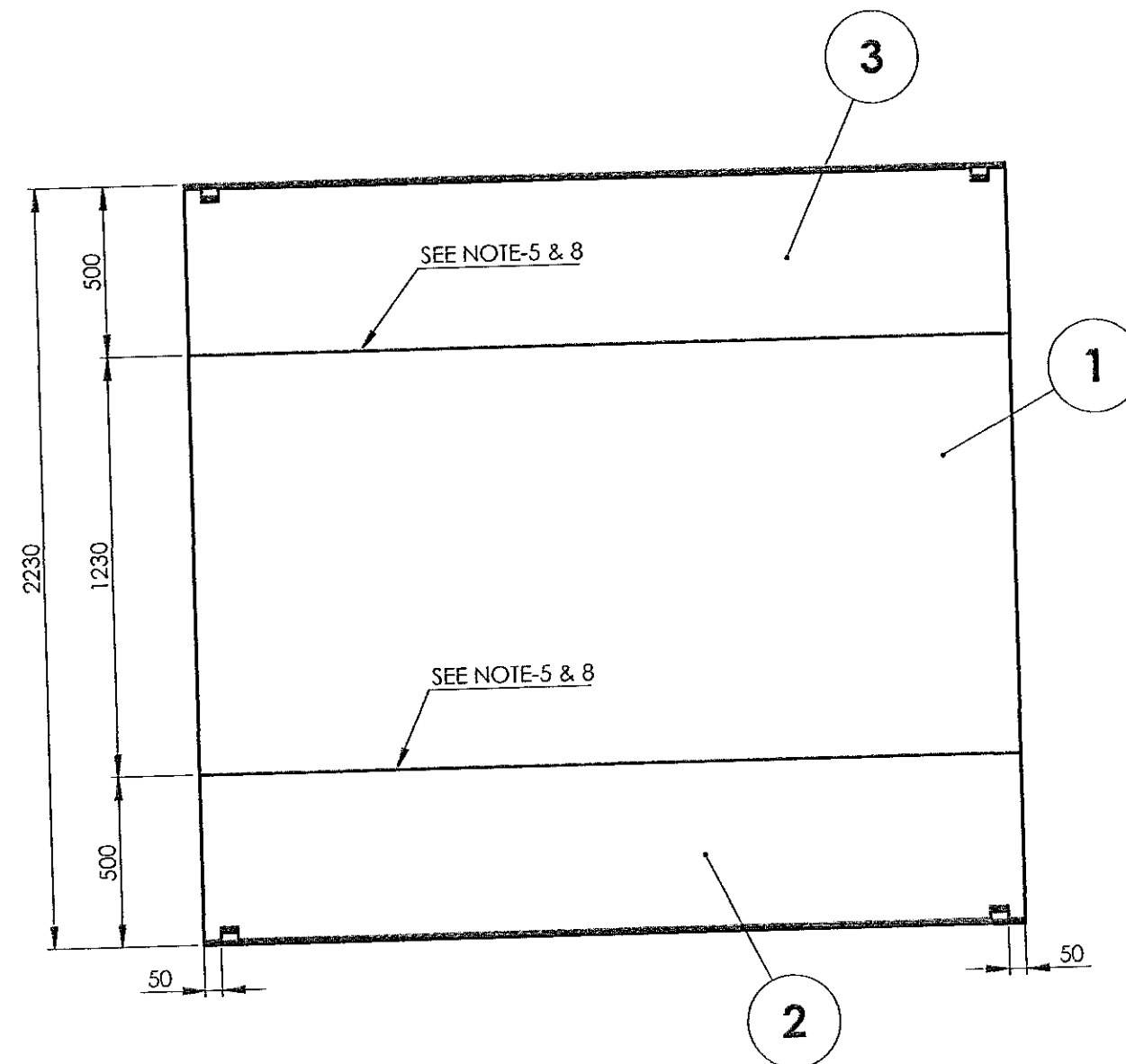
23/01/26	08/03/25	
DATE OF LATEST ALT	DATE OF FIRST ISSUE	AME/SHE

REF.DRG.NO.:-

82716006

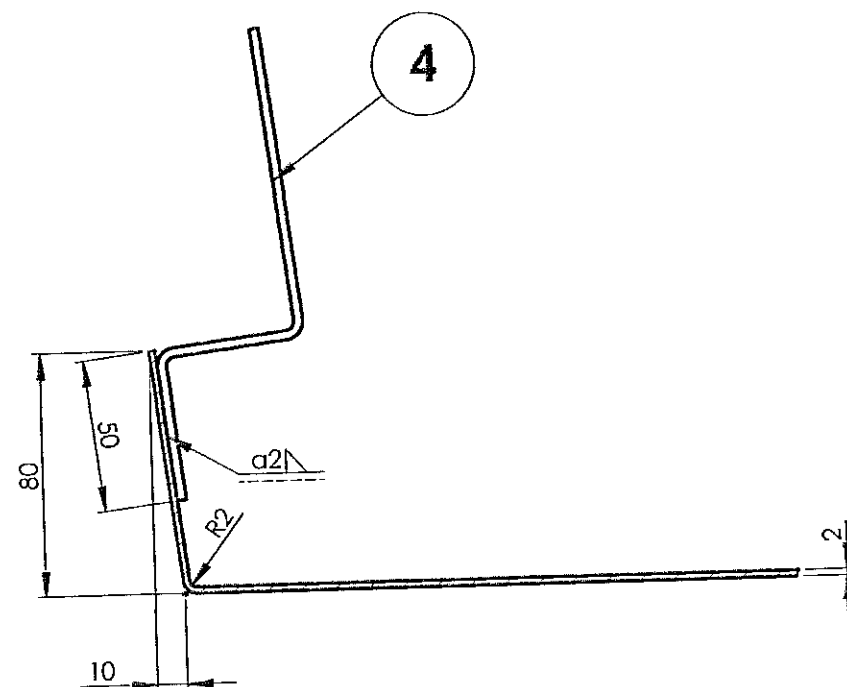
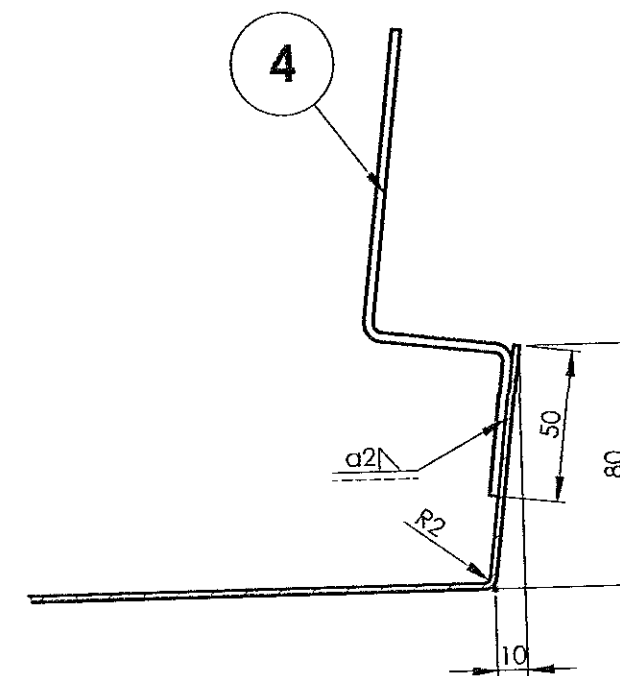
▽ ROUGH MACHINED	(01) ROUGH CLEANED
▽▽ FINISH MACHINED	(01b) BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	(18) CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		ITEM-4 ADDED AND VIEWS UPDATED.	

SECTION A-A
SCALE 1 : 10DETAIL D
SCALE 1 : 2.5

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. WELDING OF SHEET JOINT SHALL BE OF LEAK PROOF BUTT JOINT AND SHALL BE MADE THROUGH TIG/LASER/RESISTANCE SEAM WELD PROCESS.
6. FOR WELD TESTING PREFERENCES REFER DRG.NO.ICF/STD-9-0-998.
7. FOR WELD PROCEDURE SPECIFICATION REFER DRG.NO.ICF/STD-9-0-999.
8. ROOF SHEET ASSY WITH SINGLE JOINT CAN ALSO BE ACCEPTABLE.

DETAIL C
SCALE 1 : 2.5DETAIL B
SCALE 1 : 2.5

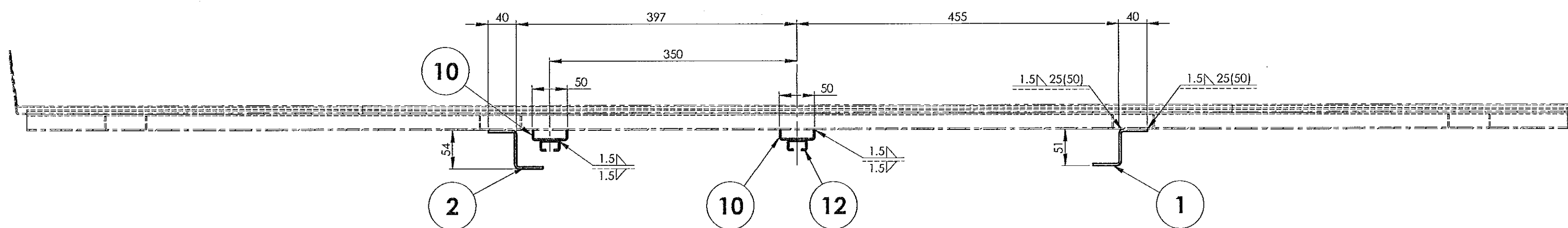
4	LIFTING HOOK		4	AAF16435		0.21	
1	ROOF SHEET		3	AAF16106		21.94	
1	ROOF SHEET		2	AAF16105		21.94	
1	ROOF SHEET	2 x 1230 x 2415	1		RDSO SPEC C-K201 X5 Cr Ni 18 10	47.53	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction				SURFACE AREA IN Sq.m.: 11542955.86		WT/ASSY IN Kgs:	
ROOF SHEET ASSY				SCALE 1:20	SSE/D CHD	E.SATHISH KUMAR	
				ALT a	ALTD DRN		
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		LWFAC/PP2	
INTEGRAL COACH FACTORY, CHENNAI - 600038				82716006		A2	

21/01/26	08/08/25	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

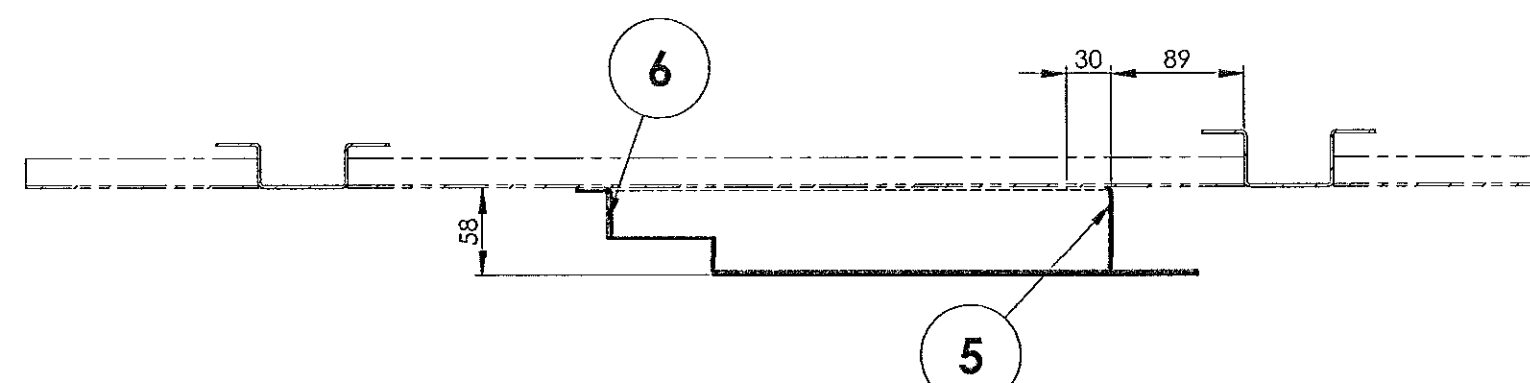
REF.DRG.NO.-

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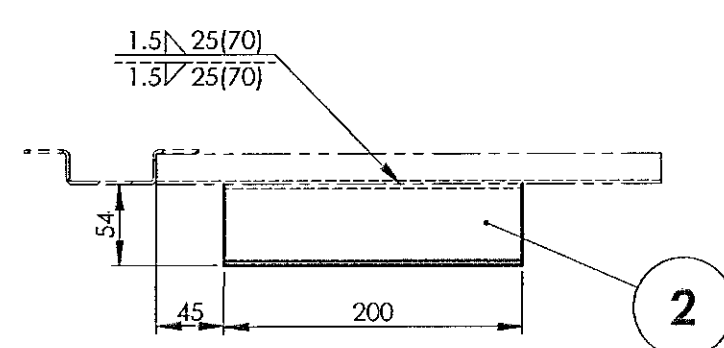
12		13		14		15		16	
▽ ROUGH MACHINED		(01) ROUGH CLEANED		REVISONS					
▽▽ FINISH MACHINED		(01b) BURRS REMOVED		ALT.	ZONE	DESCRIPTION			APPROVED & DATE
▽▽▽ FINE FINISH MACHINED		(1b) CHAMFERED		a		ITEMS-11 & 12 ADDED. ITEMS- 7& 9 DELETED. VIEWS UPDATED.			1.4



SECTION B-B
SCALE 1 : 5


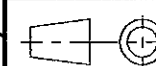


Technical drawing of a mechanical part. The drawing shows a cross-section of a component with a central rectangular feature. Dimensions are indicated: a total width of 89, a central width of 30, and a height of 58. Two callouts, labeled 3 and 4, point to specific features on the bottom surface of the central rectangular section.



SECTION F-F
SCALE 1 : 5

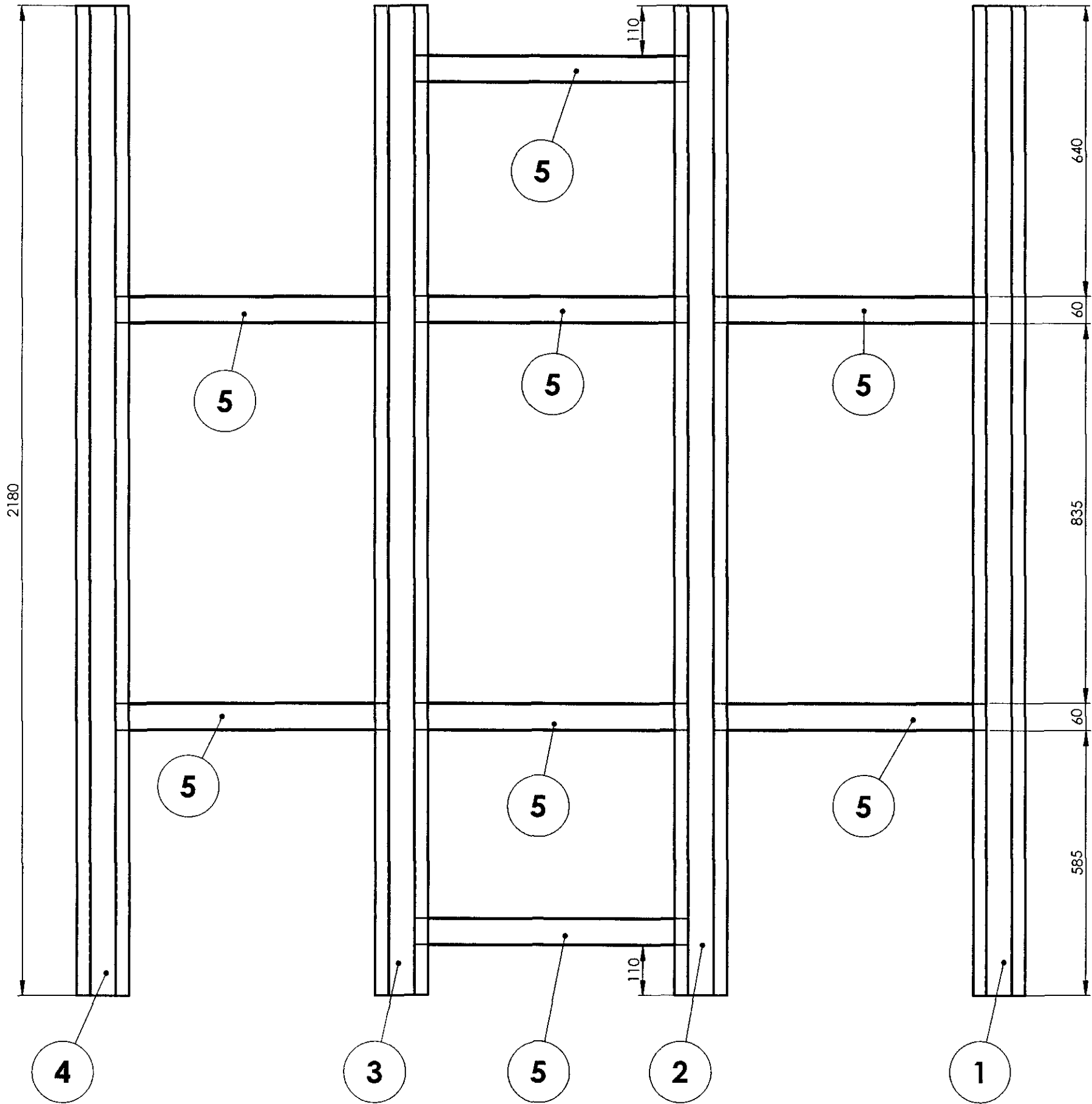
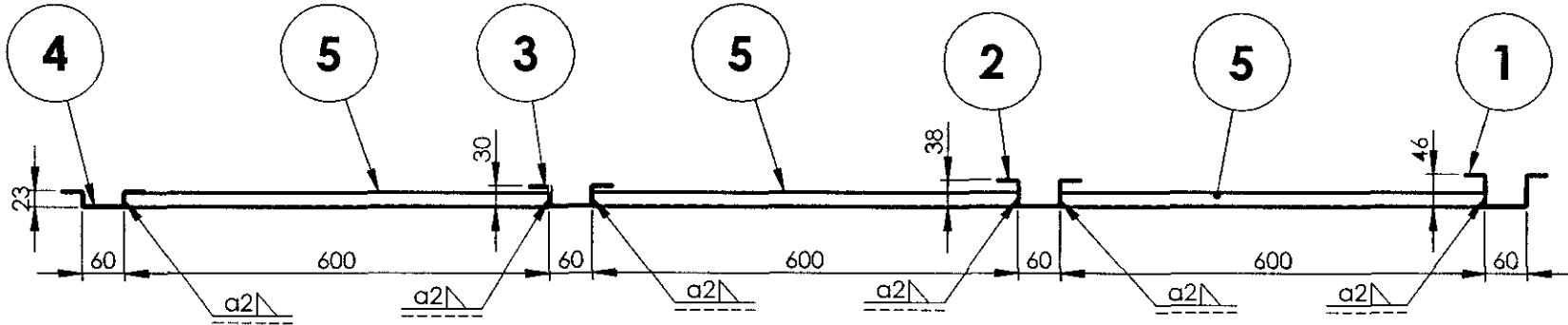
1. ALL WELDING SHALL BE OF TIG UNLESS OTHERWISE SPECIFIED.
2. STAINLESS STEEL ELECTRODE OF SAME COMPOSITION AS PER TABLE-3 OF RDSO/SPEC. CK-201 SHALL BE USED FOR WELDING.
3. ALL WELDED JOINTS SPATTERS SHALL BE GROUND.
4. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
5. ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
6. FOR WELD TESTING PREFERENCES REFER DRG. No. ICF/STD-9-0-998.
7. FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.

1	C-BAR	L = 900	12	AAB16185			0.88	
1	C-BAR	L = 2220	11	AAB16185			2.16	
10	CHANNEL		10	AAE16292			0.02	
1	C-BAR	L = 980	9	AAB16185			0.95	
2	C-BAR	L = 1175	8	AAB16185			1.14	
1	C-BAR	L = 2300	7	AAB16185			2.24	
1	Z - STIFFENER		6	AAE16333			0.95	
1	Z - STIFFENER		5	AAE16332			0.54	
1	Z - STIFFENER		4	AAE16331			0.95	
1	Z - STIFFENER		3	AAE16330			0.54	
1	Z - STIFFENER		2	AAE16329			0.60	
1	Z - STIFFENER		1	AAE16328			0.29	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS	
GROUP: 1-6 Roof Construction			SURFACE AREA IN Sq.m.: 16737.627					
WELDING PARTS				WT/ASSY IN Kgs:				
				SCALE 1:20		SSE/D CHD 		
				ALT. a		ALT.D E.SATHISH KUMAR		
						DRN E.SATHISH KUMAR		
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1		 LWFAC/PP2		A1

82716008

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



NOTE:

- ALL WELDING SHALL BE OF TIG UNLESS OTHERWISE SPECIFIED.
- STAINLESS STEEL ELECTRODE OF SAME COMPOSITION AS PER TABLE-3 OF RDSO/SPEC. CK-201 SHALL BE USED FOR WELDING.
- ALL WELDED JOINTS SPATTERS SHALL BE GROUND.
- ALL SHARP CORNERS SHALL BE ROUNDED OFF.
- ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
- FOR WELD TESTING PREFERANCES REFER DRG. No. ICF/STD-9-0-998.
- FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.

8	STIFFENER		5	AAF16113		0.9	
1	STIFFENER		4	AAF16111		5.33	
1	STIFFENER		3	AAF16110		5.82	
1	STIFFENER		2	AAF16109		6.38	
1	STIFFENER		1	AAF16108		6.94	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS

GROUP: 1-6 Roof Construction SURFACE AREA IN Sq.m.: 4014849.31 WT/ASSY IN Kgs:

FRAME WORK FOR FLAT ROOF ASSEMBLY

INDIAN RAILWAY STANDARDS
INTEGRAL COACH FACTORY, CHENNAI - 600038

SCALE 1:20	SSE/D	CHD	ALT	ALTD	DRN	E.SATHISH KUMAR
LWFAC/PP2						
82716008						A2


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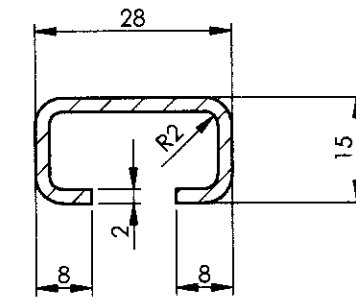
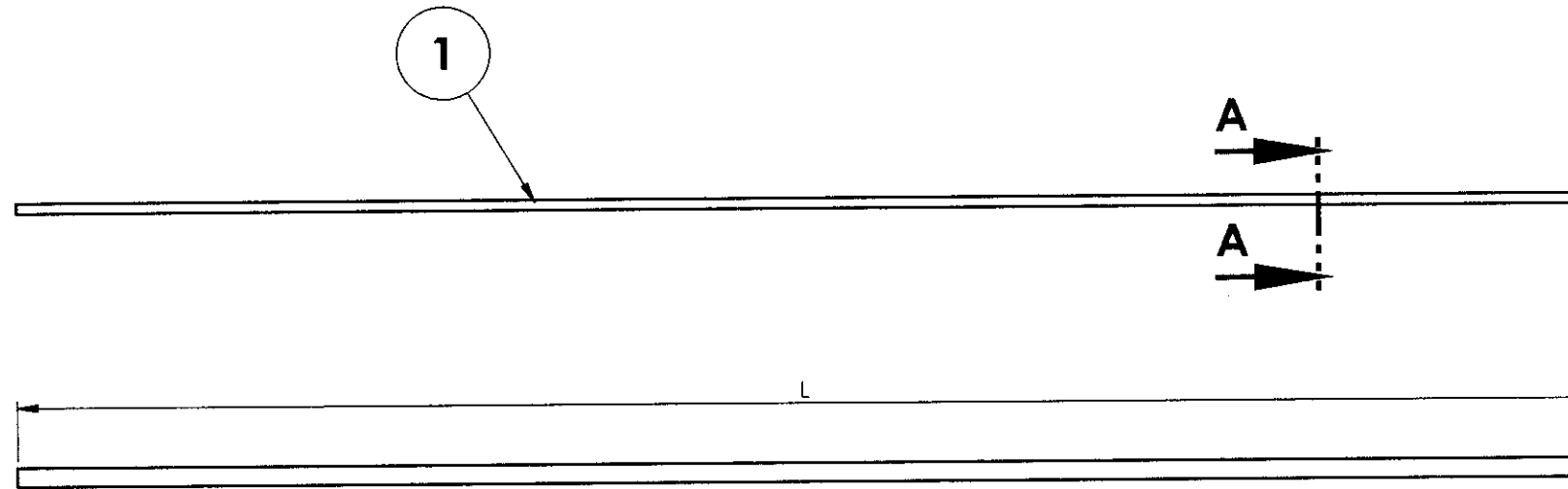
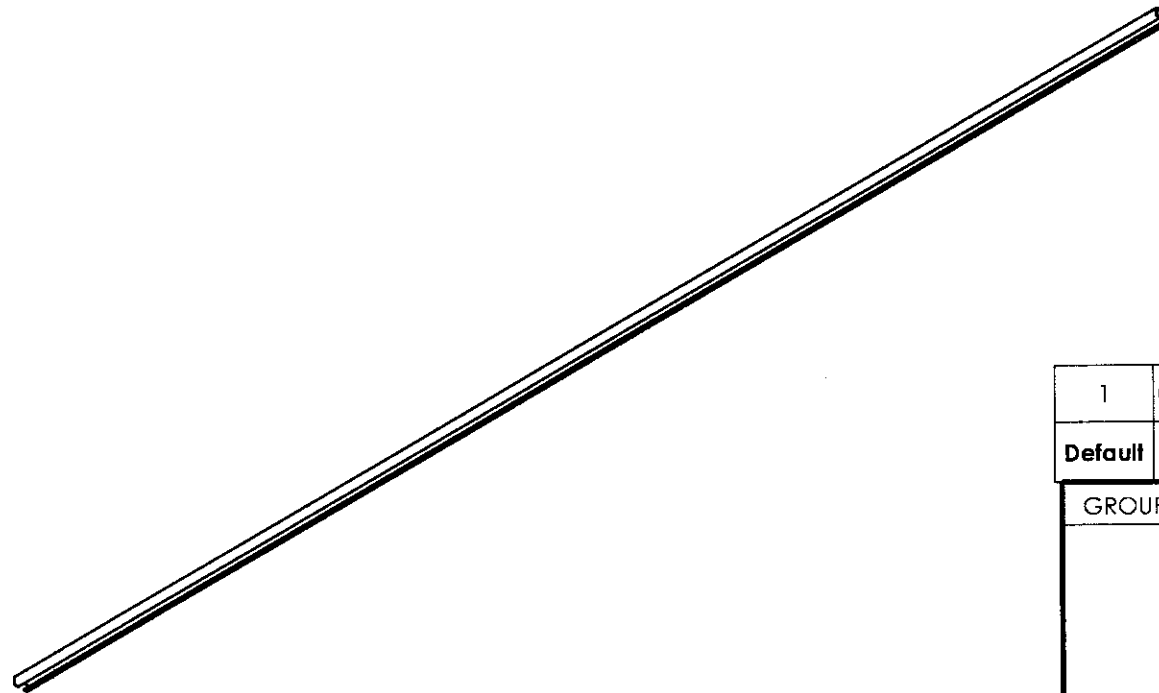
REF.DRG.NO.-


DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME
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AAB16185

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		LENGTH OF ITEM - 1 MENTIONED AS " L "	

SECTION A-A
SCALE 1:1

1	C-BAR	2 x 15 x 28 x L	1		IS:6911-'92; X04Cr19Ni9	2.24		
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-6		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:			
C-BAR					SCALE	SSE/D	L. Panduranga Rao	
					1:20	CHD		
					ALT.	ALTD	S.K.MUTHUKUMAR	
					a	DRN	S.K.MUTHUKUMAR	
INDIAN RAILWAY STANDARDS								
INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1		AAB16185	A3

REF.DRG.NO.-

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WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

1		2		3		4		5		6		7		8	
AAE16292				▽ ROUGH MACHINED		⑧1 ROUGH CLEANED		REVISIONS							
				▽▽ FINISH MACHINED		⑧ BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE	
				▽▽▽ FINE FINISH MACHINED		⑧ CHAMFERED									
A															
B															
C															
D															
E															
F															
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REF.DRG.NO.															
1															
2															
3															
4															
5															
6															
7															
8															

1

20

2

R2

50

14

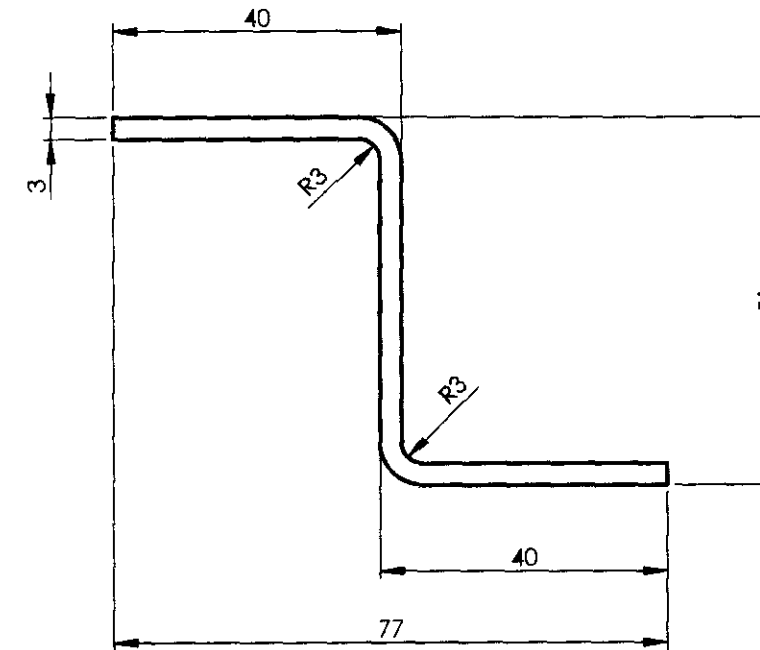
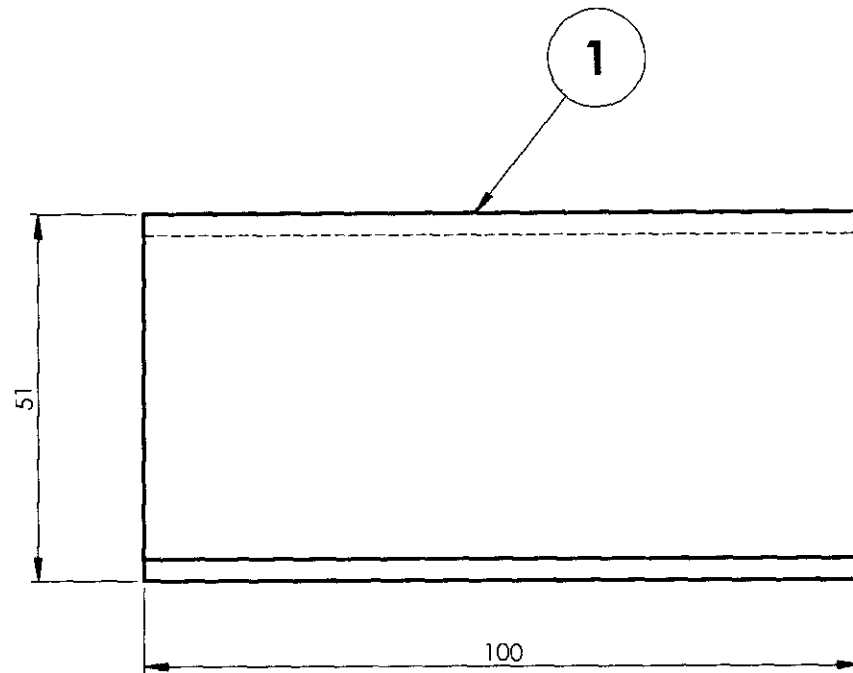
1	CHANNEL	2 x 20 x 70	1		IS:6911 X04Cr19Ni9	0.02	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction					SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:
CHANNEL					SCALE	SSE/D	S K MUTHUKUMAR/RAVI
					2:1	CHD	
					ALT.	ALTD	
						DRN	
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAE16292		A3

	27.8.22	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAE16328

▽ 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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WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.

DATE OF LATEST ALT.	27-8-22	AME/SME
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1	Z - STIFFENER	3 x 100 x 119	1		IS:6911 X04Cr19Ni9	0.29	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
Z - STIFFENER					SCALE	SSE/D	S K MUTHUKUMAR/RAVI
					1:1	CHD	
					ALT.	ALTD	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038					DRN		
					SHEET 1 OF 1		
AAE16328						A3	

1		2		3		4		5		6		7		8																																																																											
AAE16329				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS																																																																																	
				▽▽ FINISH MACHINED		② BURRS REMOVED		ALT.		ZONE		DESCRIPTION			APPROVED & DATE																																																																										
				▽▽▽ FINE FINISH MACHINED		③ CHAMFERED																																																																																			
<div><div><div>1</div><div><div><div></div><div>54</div></div><div><div>200</div><div></div></div></div></div><div><div><div>40</div><div></div></div><div><div><div>R3</div><div>R3</div></div><div><div>54</div><div>3</div></div><div><div>40</div><div></div></div><div><div>77</div><div></div></div></div></div></div>																																																																																									
<table><tr><td>1</td><td>Z - STIFFENER</td><td>3 x 122 x 200</td><td>1</td><td></td><td>IS:6911 X04Cr19Ni9</td><td>0.60</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: 1-6 Roof Construction</td><td colspan="2">SURFACE AREA IN Sq.m.:</td><td colspan="2">WT/ASSY IN Kgs:</td></tr><tr><td colspan="5" rowspan="4">Z - STIFFENER</td><td>SCALE</td><td>SSE/D</td><td rowspan="2">S K MUTHUKUMAR/RAVI</td></tr><tr><td>1:2</td><td>CHD</td></tr><tr><td>ALT.</td><td>ALTD</td><td></td></tr><tr><td></td><td>DRN</td><td></td></tr><tr><td colspan="5">INDIAN RAILWAY STANDARDS</td><td colspan="2">SHEET 1 OF 1</td><td></td></tr><tr><td colspan="5">INTEGRAL COACH FACTORY, CHENNAI - 600038</td><td colspan="2"></td><td></td></tr><tr><td colspan="2">REF.DRG.NO.</td><td>27-8-22</td><td></td><td colspan="4">AAE16329</td><td>A3</td></tr><tr><td colspan="2">DATE OF LATEST ALT.</td><td>DATE OF FIRST ISSUE</td><td>AME/SME</td><td colspan="4"></td><td></td></tr></table>																1	Z - STIFFENER	3 x 122 x 200	1		IS:6911 X04Cr19Ni9	0.60		QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-6 Roof Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:		Z - STIFFENER					SCALE	SSE/D	S K MUTHUKUMAR/RAVI	1:2	CHD	ALT.	ALTD			DRN		INDIAN RAILWAY STANDARDS					SHEET 1 OF 1			INTEGRAL COACH FACTORY, CHENNAI - 600038								REF.DRG.NO.		27-8-22		AAE16329				A3	DATE OF LATEST ALT.		DATE OF FIRST ISSUE	AME/SME					
1	Z - STIFFENER	3 x 122 x 200	1		IS:6911 X04Cr19Ni9	0.60																																																																																			
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS																																																																																		
GROUP: 1-6 Roof Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:																																																																																			
Z - STIFFENER					SCALE	SSE/D	S K MUTHUKUMAR/RAVI																																																																																		
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REF.DRG.NO.		27-8-22		AAE16329				A3																																																																																	
DATE OF LATEST ALT.		DATE OF FIRST ISSUE	AME/SME																																																																																						
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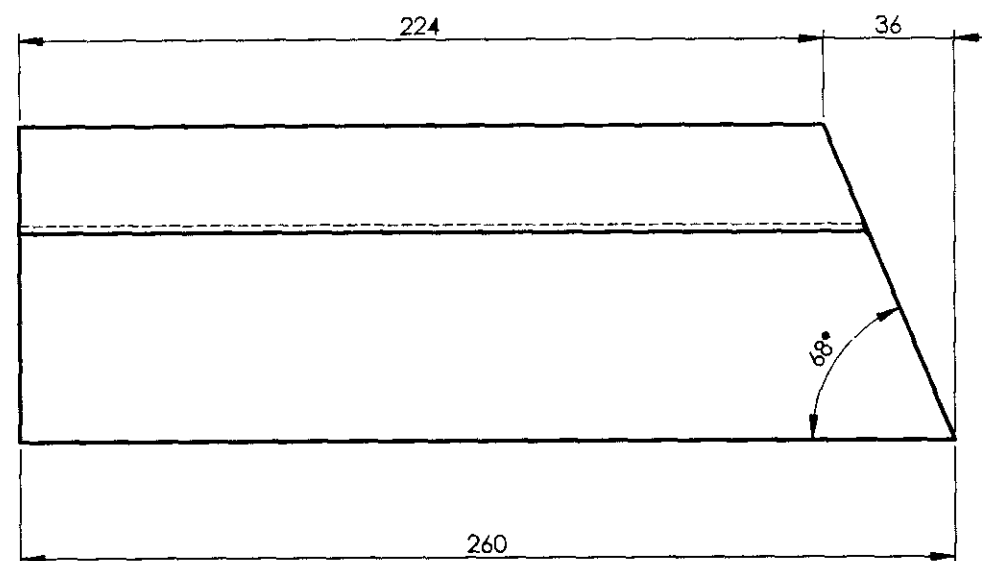
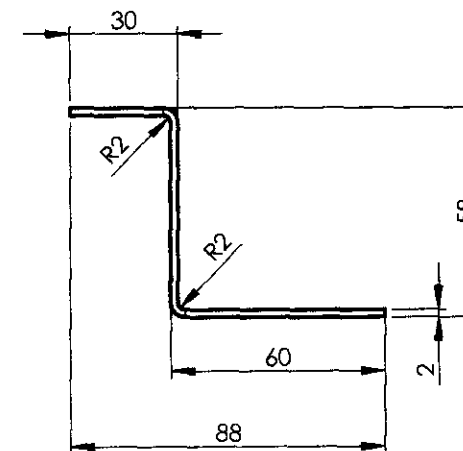
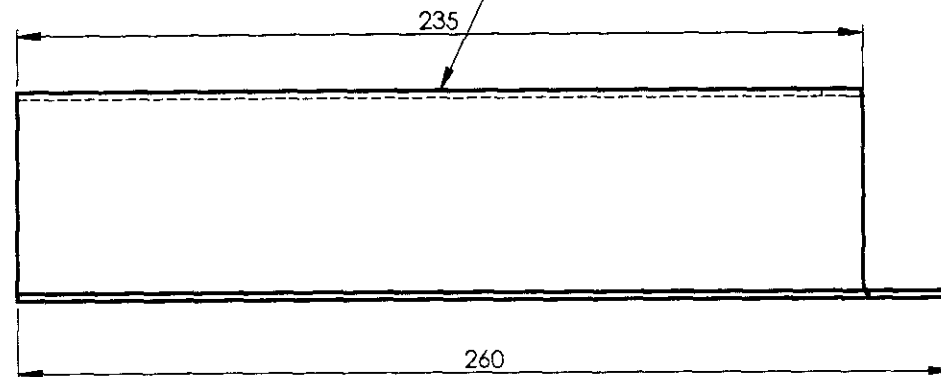
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813:1986.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

AAE16330

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

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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1	Z - STIFFENER	2 x 140 x 240	1		IS:6911 X04Cr19Ni9	0.54	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
Z - STIFFENER					SCALE	SSE/D	<i>L. Panduranga Rao</i>
					1:2	CHD	
					ALT.	ALTD	
INDIAN RAILWAY STANDARDS						DRN	S K MUTHUKUMAR
					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAE16330		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.

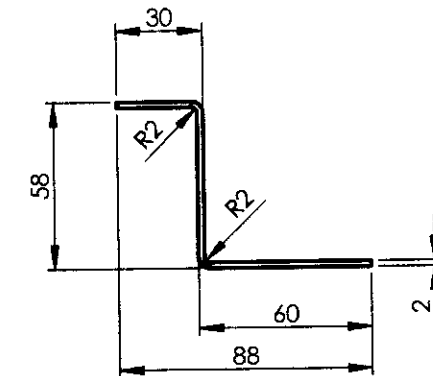
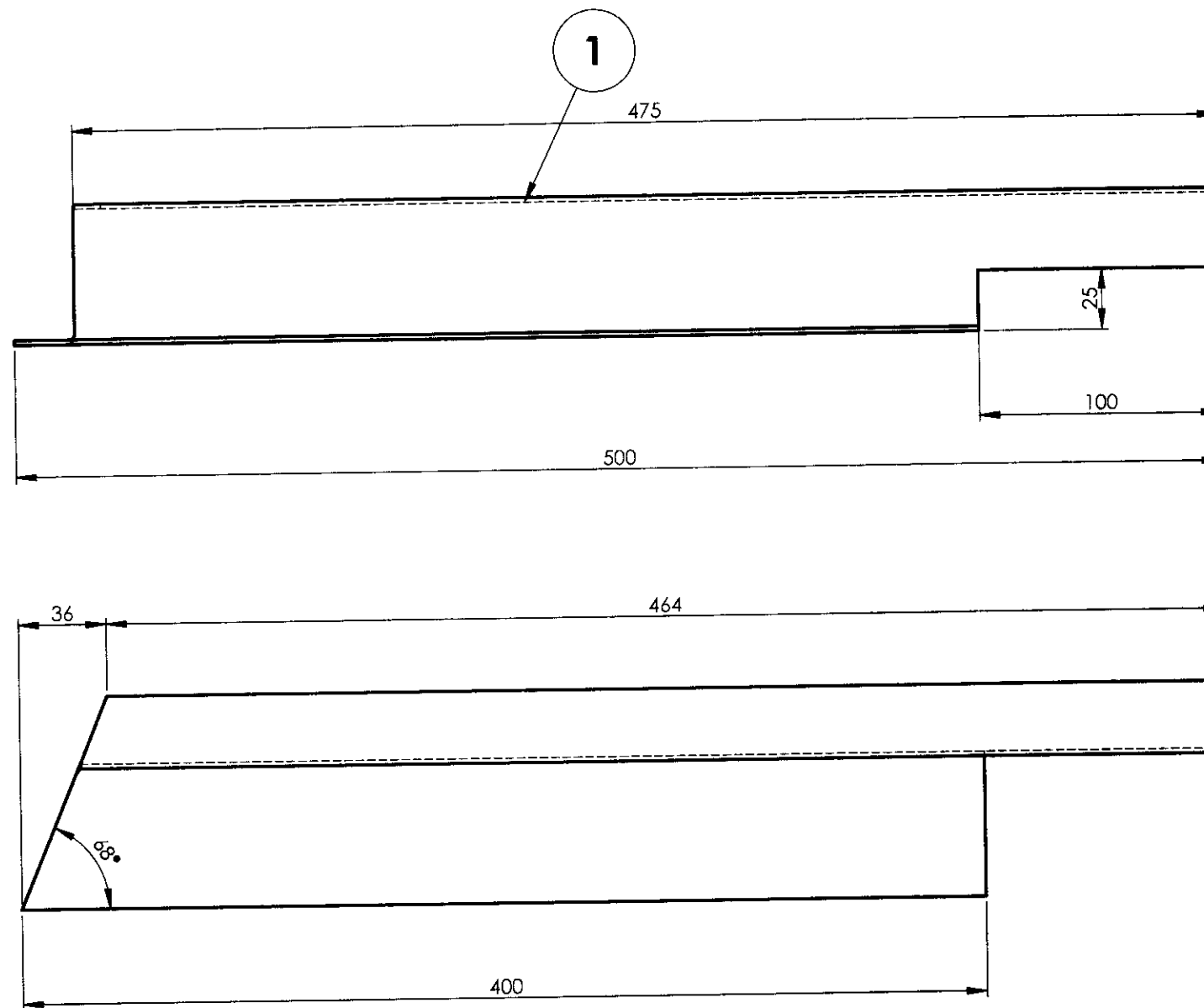
	27-8-22	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME


AAE16331

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

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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1	Z - STIFFENER	2 x 140 x 500	1		IS:4911 X04Cr19Ni9	0.95	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
Z - STIFFENER					SCALE	SSE/D	<i>S. K. Muthukumar</i>
					1:5	CHD	
					ALT.	ALTD	
					-	DRN	S K MUTHUKUMAR/RAVI
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600034				SHEET 1 OF 1			
					AAE16331		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.

DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME
	27-8-22	V. Rajan

1		2		3		4		5		6		7		8	
AAE16332				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS							
				▽▽ FINISH MACHINED		② BURRS REMOVED		ALT.		ZONE		DESCRIPTION			
				▽▽▽ FINE FINISH MACHINED		③ CHAMFERED		APPROVED & DATE							
<div><div><div>1</div><div>235</div><div>260</div></div><div><div>36</div><div>224</div><div>260</div><div>88°</div></div><div><div>30</div><div>58</div><div>60</div><div>88</div><div>2</div><div>R2</div><div>R2</div></div></div>															
<div><div><div>1</div><div>Z - STIFFENER</div><div>2 x 140 x 260</div><div>1</div><div></div><div>IS:6911 X04Cr19Ni9</div><div>0.54</div><div></div></div><div><div>QTY</div><div>DESCRIPTION</div><div>DIMENSIONS</div><div>ITEM NO.</div><div>REF. DRGS</div><div>MATL.SPEC.</div><div>WT/UNIT IN KGS</div><div>REMARKS</div></div><div><div>GROUP: 1-6 Roof Construction</div><div>SURFACE AREA IN Sq.m.:</div><div>WT/ASSY IN Kgs:</div></div><div><div>Z - STIFFENER</div><div>SCALE 1:2</div><div>SSE/D CHD</div><div>ALT.</div><div>ALTD</div><div>DRN</div><div>S K MUTHUKUMAR/RAVI</div></div><div><div>INDIAN RAILWAY STANDARDS</div><div>INTEGRAL COACH FACTORY, CHENNAI - 600038</div><div>SHEET 1 OF 1</div><div>AAE16332</div><div>A3</div></div><div><div>REF.DRG.NO.-</div><div>DATE OF LATEST ALT.</div><div>DATE OF FIRST ISSUE</div><div>AME/SME</div></div></div>															
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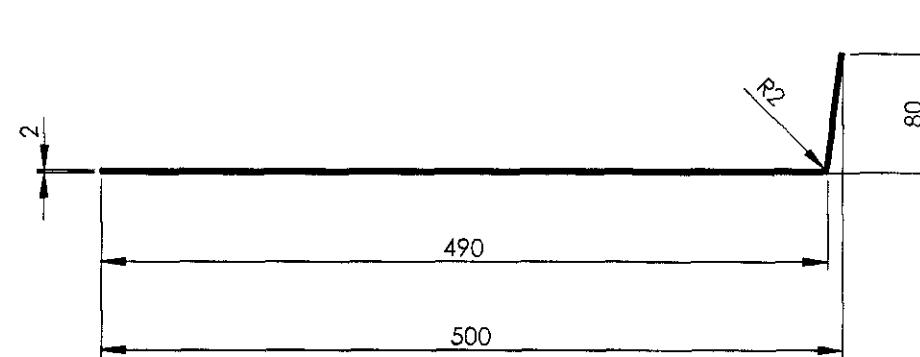
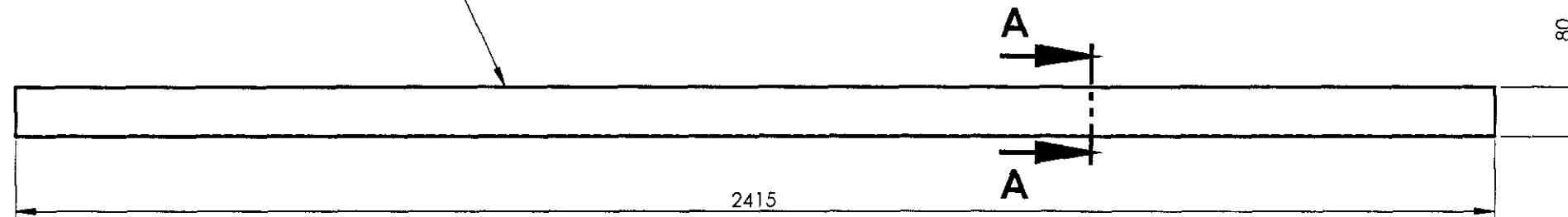
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AAE16333				▽ ROUGH MACHINED		⊖ ROUGH CLEANED		REVISIONS								
				▽▽ FINISH MACHINED		⊖⊖ BURRS REMOVED		ALT.		ZONE		DESCRIPTION			APPROVED & DATE	
				▽▽▽ FINE FINISH MACHINED		⊖⊖⊖ CHAMFERED										
<div><div><div>1</div><div><div><div>25</div><div>100</div></div><div><div>500</div></div></div></div><div><div><div>464</div><div>36</div></div><div><div>400</div></div><div><div>68°</div></div></div></div> <div><div><div>30</div><div>R2</div><div>R2</div><div>58</div><div>60</div><div>2</div><div>88</div></div></div>																

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 8173 1986.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

AAf16105

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

REVISIONS				APPROVED & DATE	
ALT.	ZONE	DESCRIPTION			



SECTION A-A
SCALE 1 : 5

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

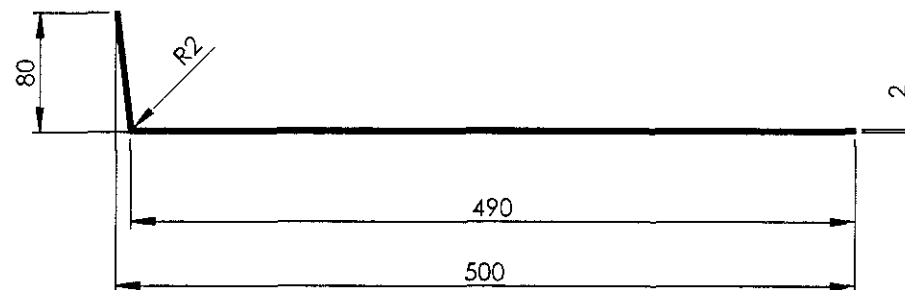
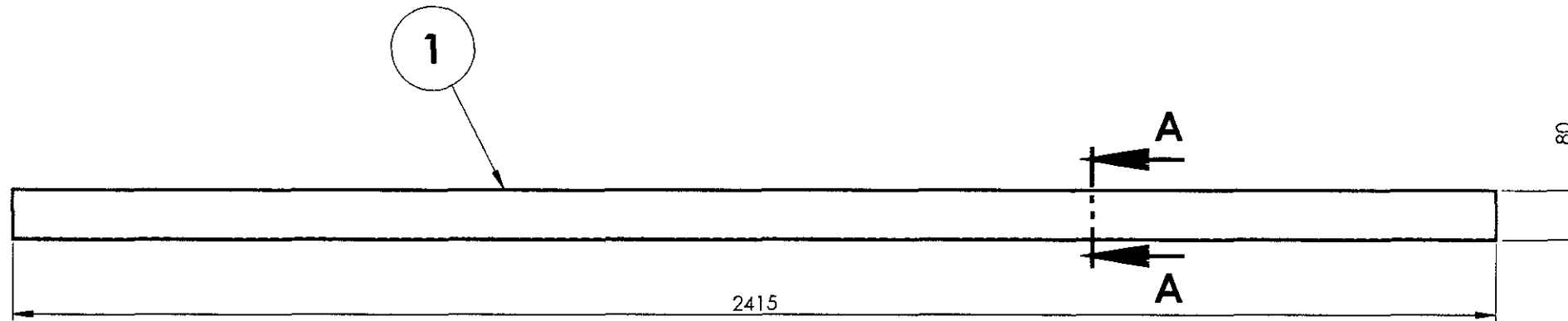
REF.DRG.NO.-

	8/8/25	
DATE OF LATEST ALT	DATE OF FIRST ISSUE	AME/SME

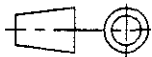
1	ROOF SHEET	2x568x2415	1		RDSO SPEC C-K201 X5 Cr NI 18 10	21.94	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
ROOF SHEET					SCALE	SSE/D	L. Panduranga Rao
					1:20	CHD	
					ALT.	ALTD	
INDIAN RAILWAY STANDARDS						DRN	E.SATHISH KUMAR
					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAf16105		A3

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



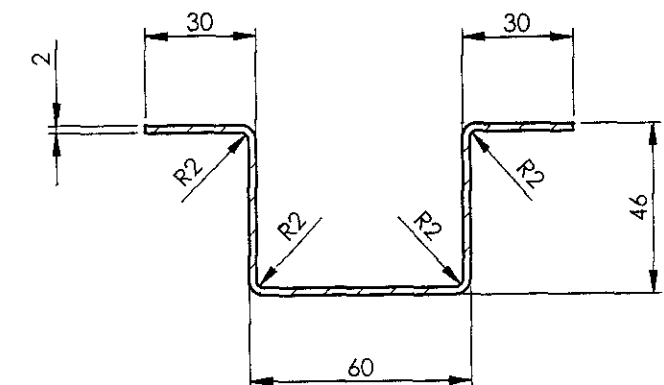
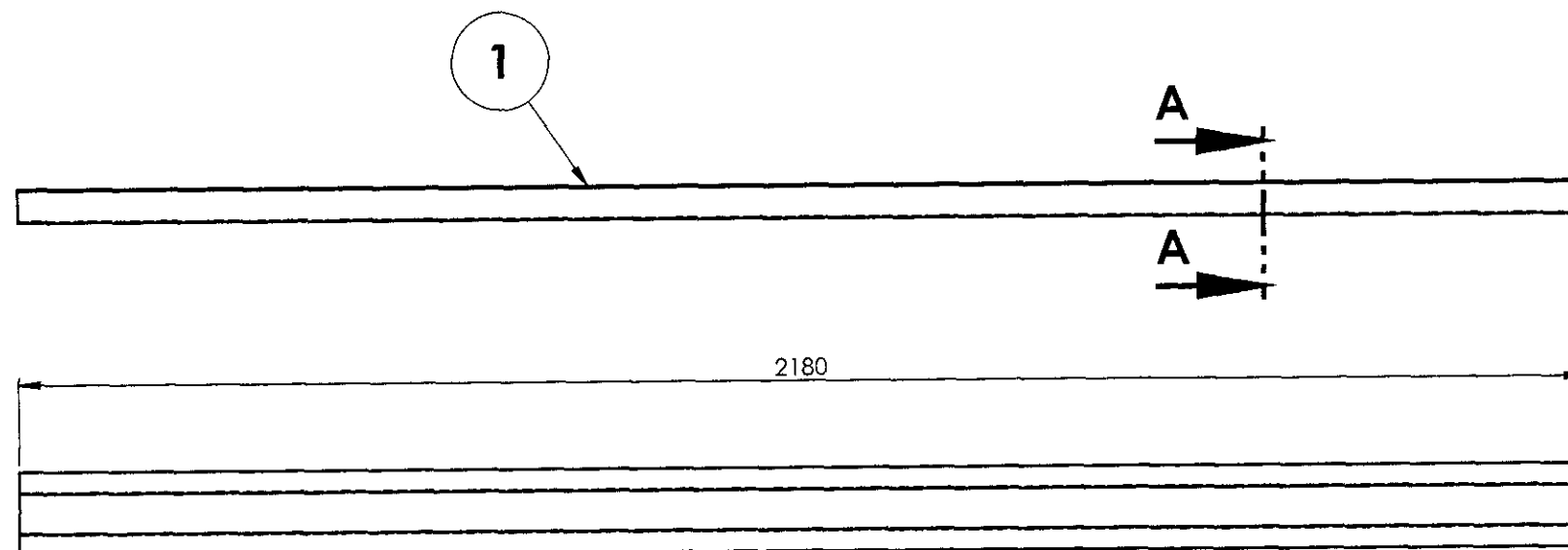
ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY


1	ROOF SHEET	2x568x2415	1		RDSO SPEC C- K20T X5 Cr Ni 18 10	21.94	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
ROOF SHEET					SCALE	SSE/D	L. Panduranga Rao
					1:20	CHD	
					ALT.	ALTD	
						DRN	E.SATHISH KUMAR
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAF16106		A3

AA16108

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

REVISIONS				APPROVED & DATE	
ALT.	ZONE	DESCRIPTION			

SECTION A-A
SCALE 1 : 2

1	STIFFENER	2x196x2180	1		IS:6911 X04Cr19Ni9	6.94			
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS		
GROUP: 1-6 Roof Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:				
STIFFENER					SCALE	SSE/D	L. Panduranga R.		
					1:1	CHD			
					ALT.	ALTD			
					DRN	E.SATHISH KUMAR			
					INDIAN RAILWAY STANDARDS			SHEET 1 OF 1	<div></div>
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAF16108		A3		

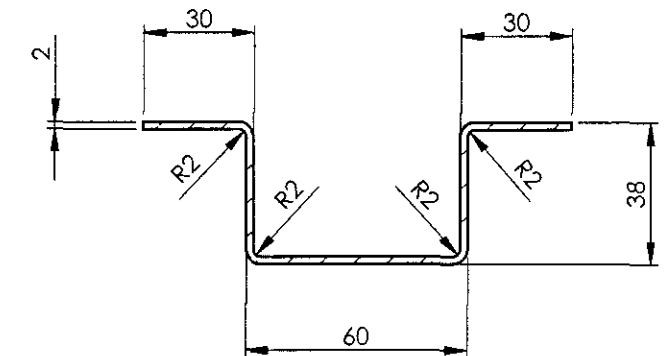
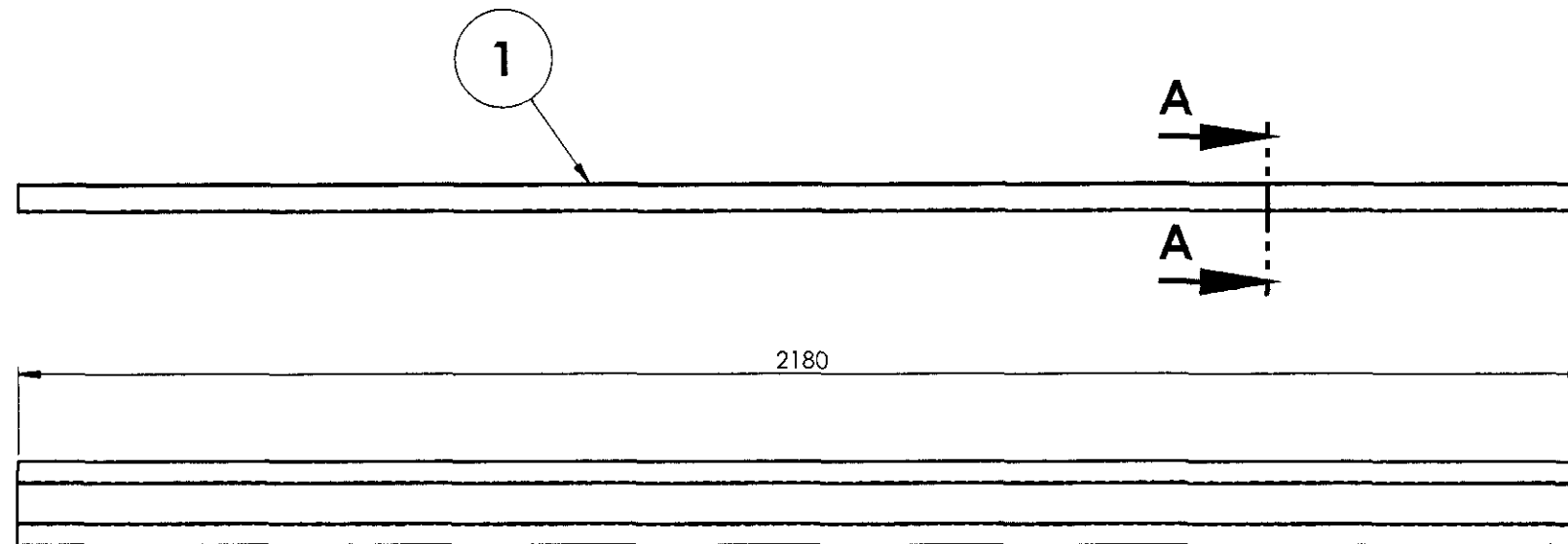
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9.0.001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.-

AAf16109

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

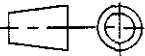
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

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.-

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

1	STIFFENER	2x180x2180	1		IS:6911 X04Cr19Ni9	6.38	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
STIFFENER					SCALE	SSE/D	L. Panduranga Rao
					1:1	CHD	
					ALT.	ALTD	
						DRN	E.SATHISH KUMAR
INDIAN RAILWAY STANDARDS							
INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1	AAF16109	
						A3	

AAAF16110

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

REVISIONS

ALT.

ZONE

DESCRIPTION

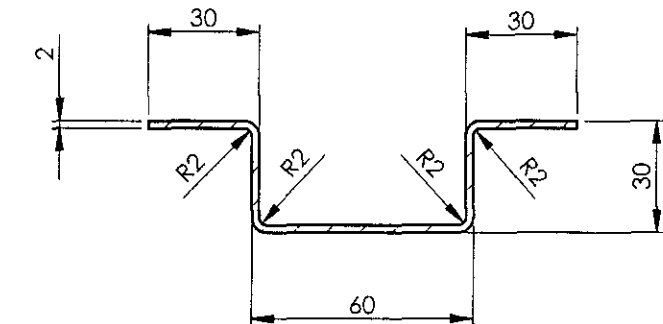
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2180

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.
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.-

-	8/8/25	dw
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	STIFFENER	2x164x2180	1		IS:6911 X04Cr19Ni9	5.82	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
STIFFENER					SCALE 1:1	SSE/D	<i>L. Pandurangam</i>
						CHD	
					ALT.	ALTD	
						DRN	E.SATHISH KUMAR
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1		AAF16110

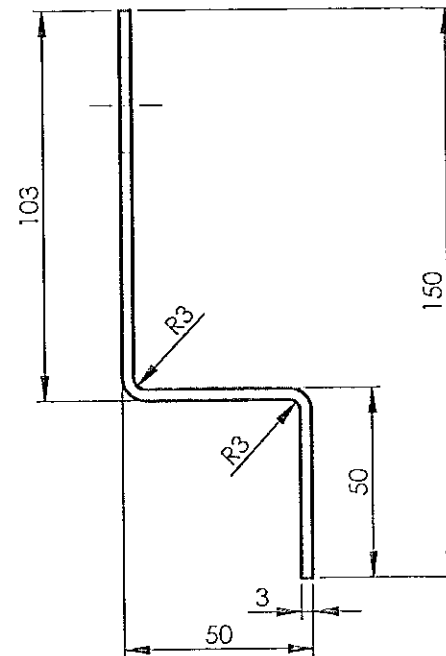
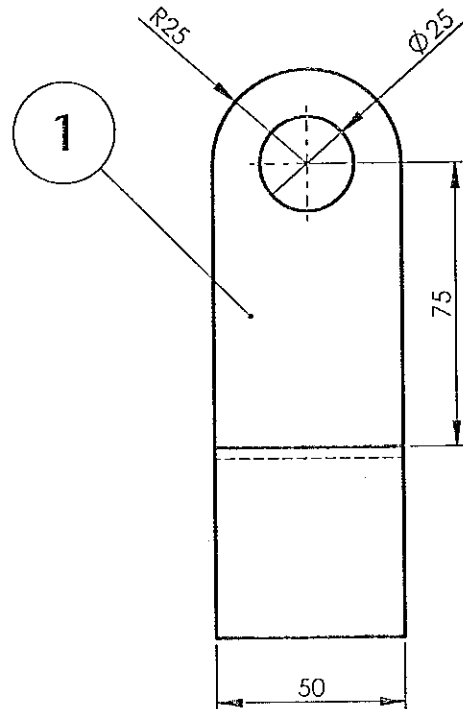
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AAf16111				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS																																																																							
				▽▽ FINISH MACHINED		② BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE																																																																	
				▽▽▽ FINE FINISH MACHINED		③ CHAMFERED																																																																									
<div>ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO IC/F/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>2180</div><div>A</div><div>A</div></div> <div><div>2</div><div>30</div><div>R2</div><div>60</div><div>23</div><div>SECTION A-A</div><div>SCALE 1 : 2</div></div>																																																																															
<table><tr><td>1</td><td>STIFFENER</td><td>2x150x2180</td><td>1</td><td></td><td>IS:6911 X04Cr19Ni9</td><td>5.33</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="4">GROUP: 1-6 Roof Construction</td><td colspan="2">SURFACE AREA IN Sq.m.:</td><td colspan="2">WT/ASSY IN Kgs:</td></tr><tr><td colspan="6">STIFFENER</td><td>SCALE 1:1</td><td>SSE/D CHD</td></tr><tr><td colspan="6"></td><td>ALT.</td><td>ALTD</td></tr><tr><td colspan="6"></td><td>DRN</td><td>E.SATHISH KUMAR</td></tr><tr><td colspan="4">INDIAN RAILWAY STANDARDS</td><td colspan="2">SHEET 1 OF 1</td><td colspan="2">AAf16111</td></tr><tr><td colspan="4">INTEGRAL COACH FACTORY, CHENNAI - 600038</td><td colspan="2"></td><td colspan="2">A3</td></tr></table>																1	STIFFENER	2x150x2180	1		IS:6911 X04Cr19Ni9	5.33		QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-6 Roof Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:		STIFFENER						SCALE 1:1	SSE/D CHD							ALT.	ALTD							DRN	E.SATHISH KUMAR	INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		AAf16111		INTEGRAL COACH FACTORY, CHENNAI - 600038						A3	
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1		2		3		4		5		6		7		8		
AAF16113				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS								
				▽▽ FINISH MACHINED		② BURRS REMOVED		ALT.		ZONE		DESCRIPTION			APPROVED & DATE	
				▽▽▽ FINE FINISH MACHINED		③ CHAMFERED										
<div><div><div>1</div><div><div>A</div><div>A</div></div><div>600</div></div><div><div>2</div><div>20</div><div>R2</div><div>R3</div><div>60</div></div><div>SECTION A-A SCALE 1 : 2</div></div>																
<div><div><div>1</div><div>STIFFENER</div><div>2 x 92 x 600</div><div>1</div><div></div><div>IS:6911 X04Cr19Ni9</div><div>0.90</div><div></div></div><div><div>QTY</div><div>DESCRIPTION</div><div>DIMENSIONS</div><div>ITEM NO.</div><div>REF. DRGS</div><div>MATL.SPEC.</div><div>WT/UNIT IN KGS</div><div>REMARKS</div></div><div><div>GROUP: 1-6 Roof Construction</div><div>SURFACE AREA IN Sq.m.:</div><div>WT/ASSY IN Kgs:</div></div><div><div>STIFFENER</div><div>SCALE 1:1</div><div>SSE/D CHD</div><div>ALT. ALTD</div><div>DRN ESATHISH KUMAR</div></div><div><div>INDIAN RAILWAY STANDARDS</div><div>INTEGRAL COACH FACTORY, CHENNAI - 600038</div><div>SHEET 1 OF 1</div><div>AAF16113</div><div>A3</div></div></div>																
REF.DRG.NO.-		DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME										
1		2		3		4		5		6		7		8		

AAF16435

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

6		7		8	
REVISIONS					
ALT.	ZONE	DESCRIPTION			APPROVED & DATE



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

REF.DRG.NO.

1	LIFTING HOOK	3x50x191	1		IS:6911 X04Cr19Ni9	0.21	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction				SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	
LIFTING HOOK					SCALE 1:2	SSE/D CHD	
					ALT.	ALTD	
						DRN	E.SATHISH KUMAR
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		AAF16435	
INTEGRAL COACH FACTORY, CHENNAI - 600038						A3	
DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME			
		21/01/2026					

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

ALTERATIONS

⑥ 06-06-2017

① PACKING CONDITION FOR LHB OTHER BUILDS ADDED.

DN

SSE/D

⑦

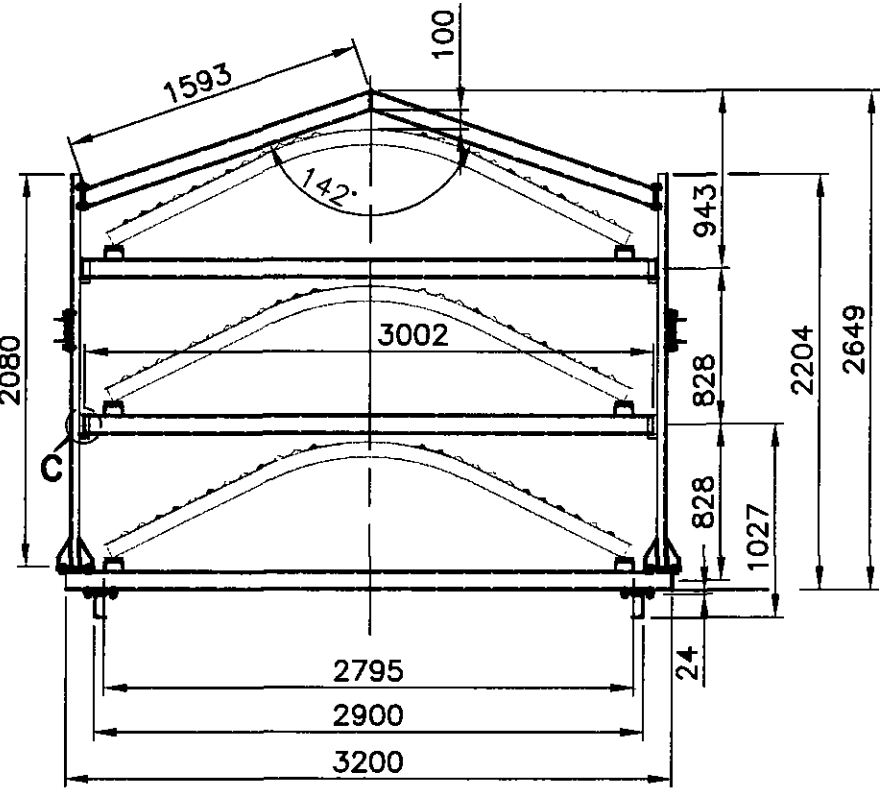
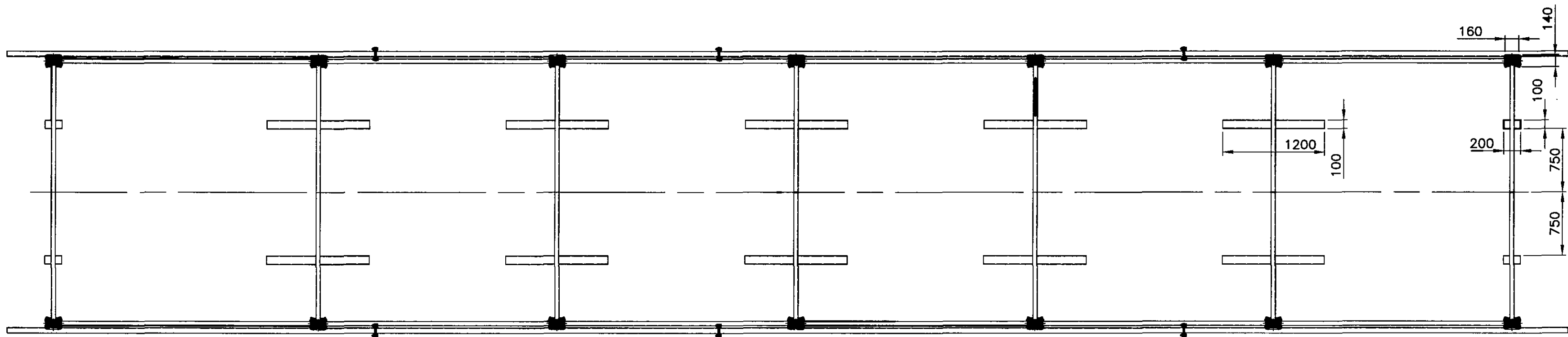
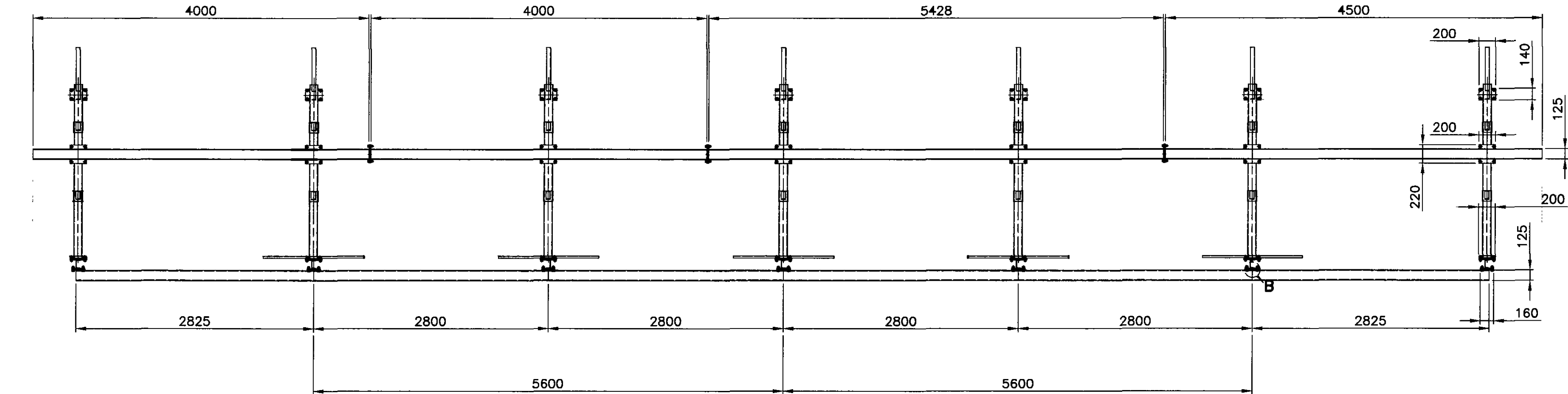
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JOB NO.681/21-22

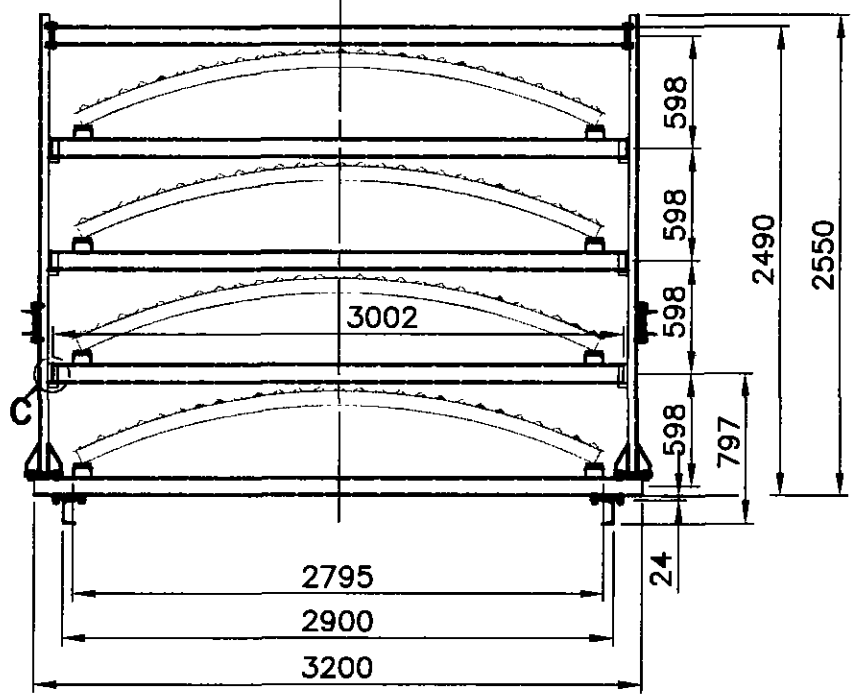
1.NOTE 9 ADDED.

KP

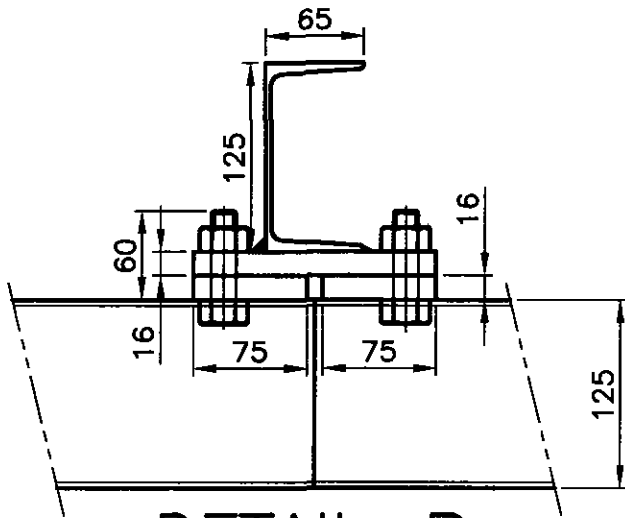
SSE/J&T



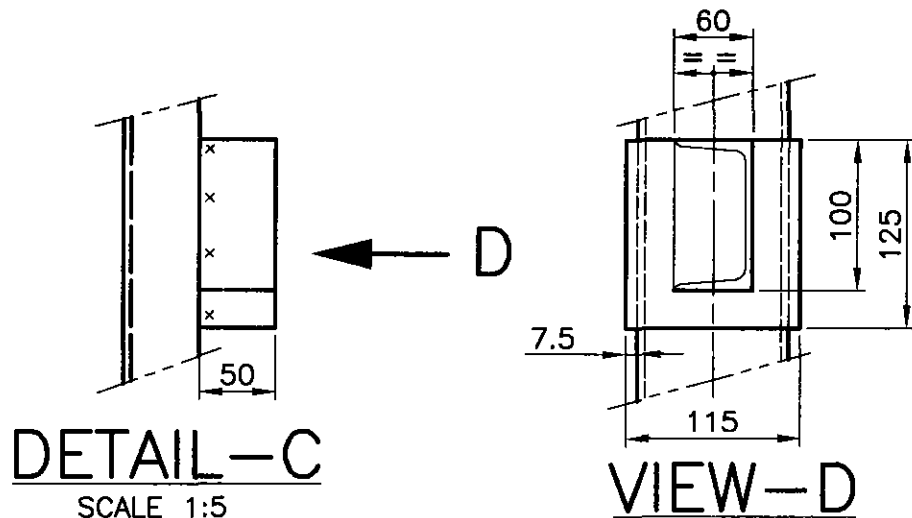
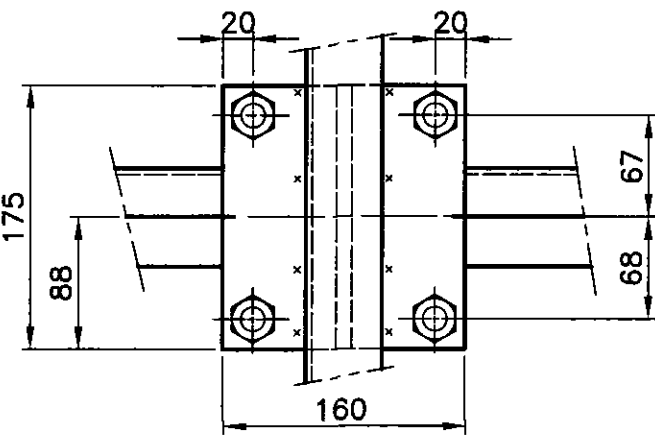
FOR LHB 3 TIER



FOR LHB OTHER BUILDS



DETAIL-B
SCALE 1:5



DETAIL-C
SCALE 1:5

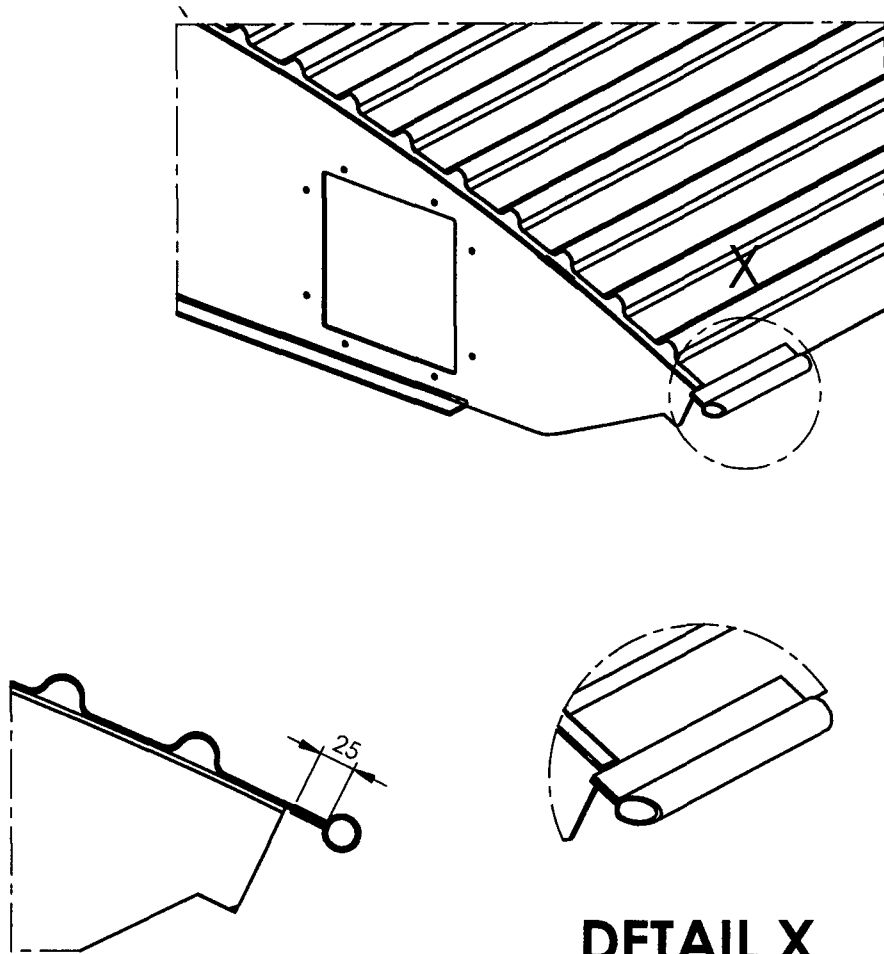
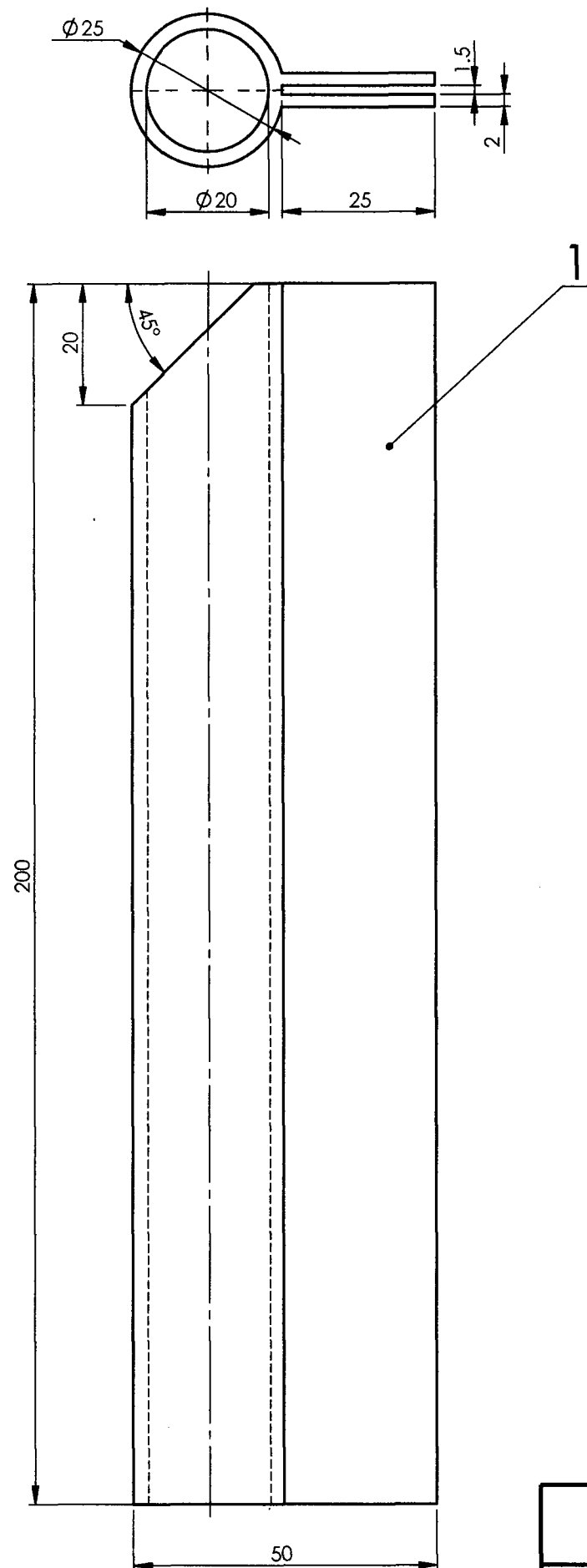
VIEW-D

- NOTE:
- DIMENSIONS SHOWN ARE INDICATIVE ONLY.
 - FRAME TO BE FABRICATED FROM MS CHANNELS AND I-BEAM WITH BOLTS AND NUTS FOR EASY DISMANTLING.
 - FRAME TO BE OF ADEQUATE STRENGTH FOR TRANSPORTING AND LIFTING.
 - PACKING SHALL BE SUCH THAT, ROOF SHALL NOT GET DAMAGED DURING TRANSPORTING AND LIFTING.
 - IN ADDITION TO THE CLAMPING ARRGT. PROVIDED, SUITABLE BANDS ARE TO BE USED FOR CLAMPING THE ROOF WITH THE FRAME STRUCTURE AT VARIOUS LOCATIONS.
 - RUBBER OR WOOD TO BE PROVIDED AT THE CONTACT SURFACES AND ARE TO BE GLUED OR SCREWED.
 - SUITABLE NAME PLATE WITH MANUFACTURER'S NAME, MONTH AND YEAR OF MANUFACTURE TO BE FIXED ON THE FRAME.
 - PACKING TO BE OPENED AT THE TIME OF ASSEMBLY AND THE FRAME STRUCTURE IS TO BE TAKEN AWAY BY THE SUPPLIER, AFTER THE ASSEMBLIES ARE TAKEN FOR PRODUCTION.
 - ALL THREADED HOLES OF ROOF TO BE PLUGGED WITH PLASTIC DUMMY SCREWS TO AVOID DAMAGE OF THREADS.

THE PACKING FRAMES/STRUCTURES ARE TO BE TAKEN BACK BY THE SUPPLIER FROM ICF PREMISES AFTER THE COMPONENTS ARE TAKEN FOR PRODUCTION

NO.	OFF	DESCRIPTION & DIMENSIONS	ITEM	REF.	DRGS.	MAT.& SPEC	REMARKS
		CADFILE:-\\10.53.12.205\JIG&TOOL\J&T-CAD\MIS\MIS_2627_b.DWG				SUPERSEDED BY:	
		PACKING CONDITION FOR LHB ROOF					
		SCALE 1:40					
		SSE/D					
		CHD					
		DRN					
		CAD					
		ALT					
		a b					
		INTEGRAL COACH FACTORY CHENNAI-38					
		ICF/J&T/MISC-2627					
		FORM IR A2a 810 x 420					

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



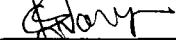
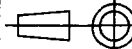
DETAIL X

SCALE 1 : 5

ROOF ASSY WITH PROTECTIVE RUBBER BEADING

NOTE:-

RUBBER BEADING TO BE PASTED ON ALL FOUR ROOF SHEET
EDGES AS SHOWN WITH NON FLAMMABLE RUBBER ADHESIVE AS PER
ICF/MD/SPEC-093

1	PROTECTIVE RUBBER BEADING	25x50x200	1		RUBBER		
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRG.NO	MATL. & SPEC.	REMARKS	
PROTECTIVE RUBBER BEADING TO PREVENT EYE INJURY DURING STORAGE OF LHB ROOF ASSY.					Weight (kg)		0.05
					SCALE 1:1	SSE/D	 S.L.NARAYANAN
						CHD	
					ALT -	ALTD	
						DRN	K.MURUGESAN
						INTEGRAL COACH FACTORY, CHENNAI - 600038	
					ICF/J&T/SK-1867		

ASSEMBLY DRAWINGS		
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME
	10-07-21	10/7/21