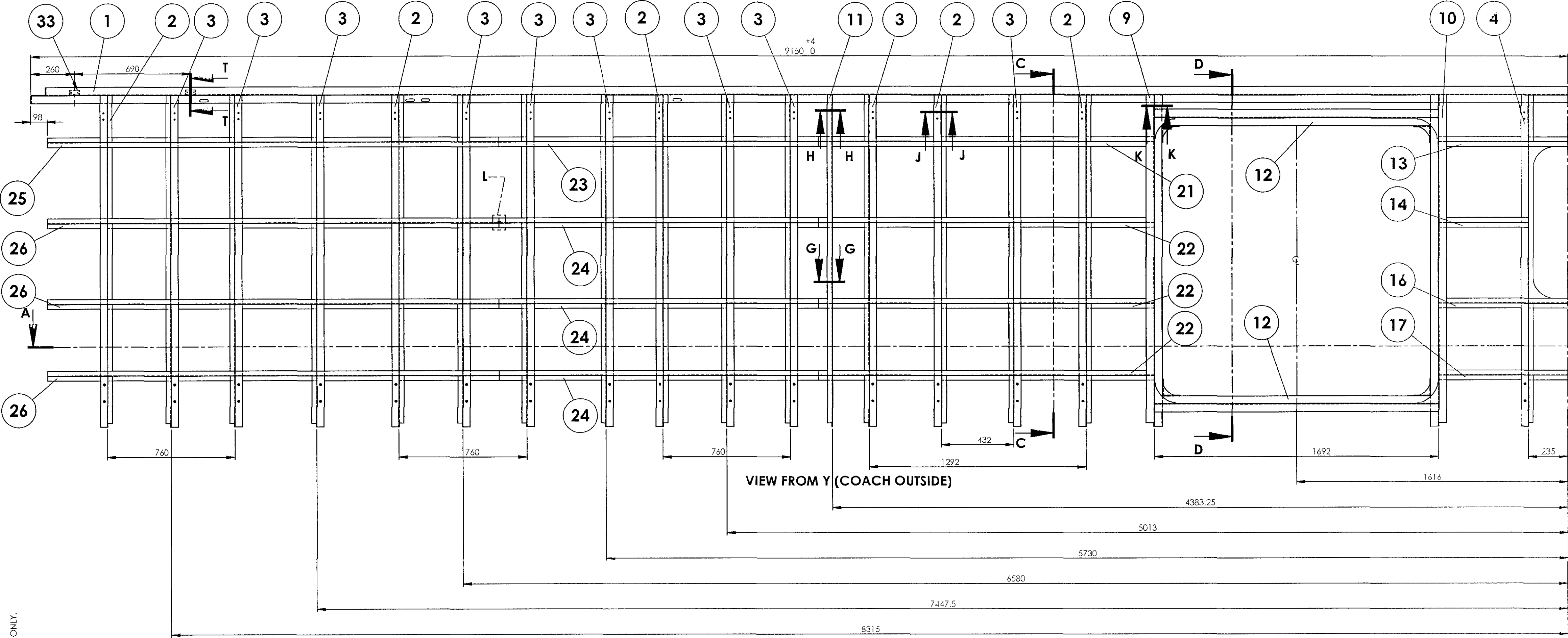
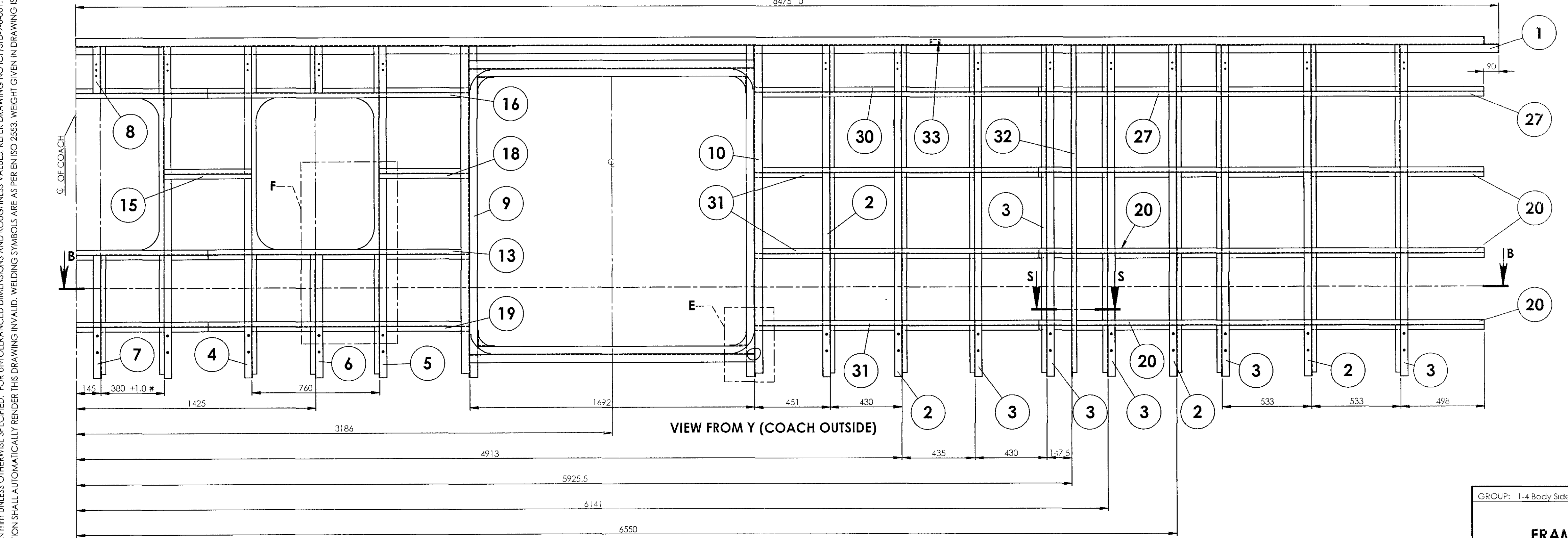


83114006

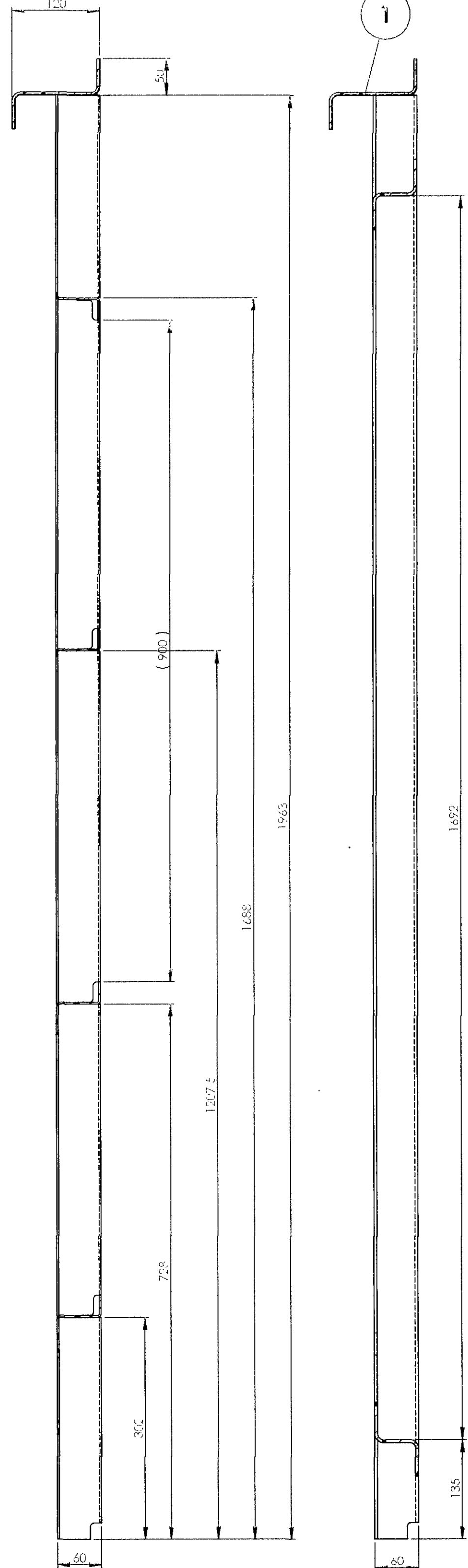
▽ ROUGH MACHINED	① ROUGH CLEANED
▽ FINISH MACHINED	② BORES REMOVED
▽▽ FINE FINISH MACHINED	③ CHAMFERED



SECTION A-A



SECTION B-B



SECTION C-C  
SCALE 1 : 5

SECTION D-D  
SCALE 1 : 5

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOUCHED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. OF 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.53814088

DATE OF LATEST ALT.	25-07-2025	DATE OF FIRST ISSUE	ANE/SME
---------------------	------------	---------------------	---------

GROUP: 1-4 Body Side Walls	SURFACE AREA IN Sq.m.: 39.026	WT/ASSY IN Kgs:
FRAME WORK LEFT COMPLETE		SCALE: 1:15
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038		CHD: [Signature]
SHEET 1 OF 2		ALT: [Signature]
83114006		CFN: Tukkiranandian
A1		LWLRRM/PP2

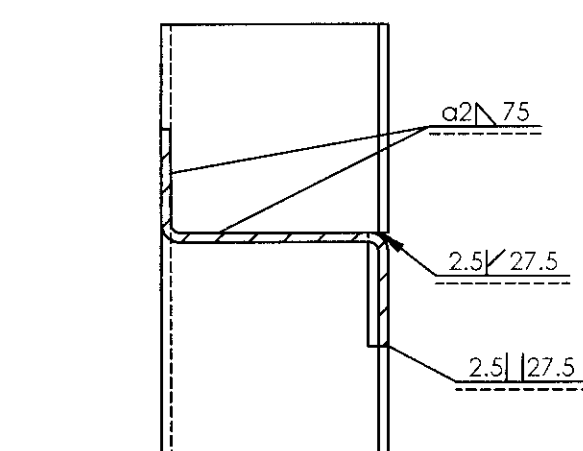
▽	ROUGH MACHINED
▽▽	FINISH MACHINED
▽▽▽	FINE FINISH MACHINED

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

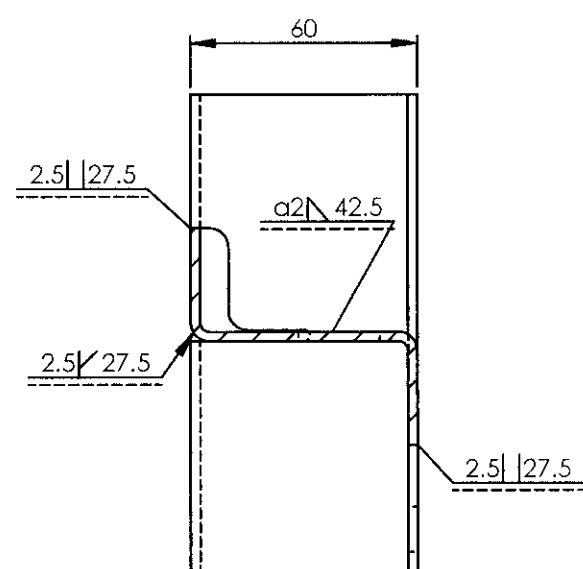
## REVISIONS

12696-12711(25)

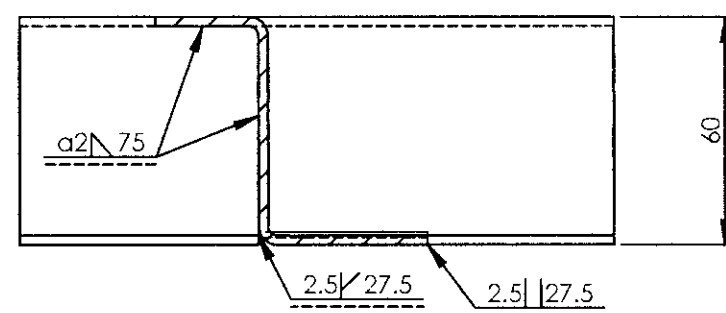
APPROVED & DATE
--------------------



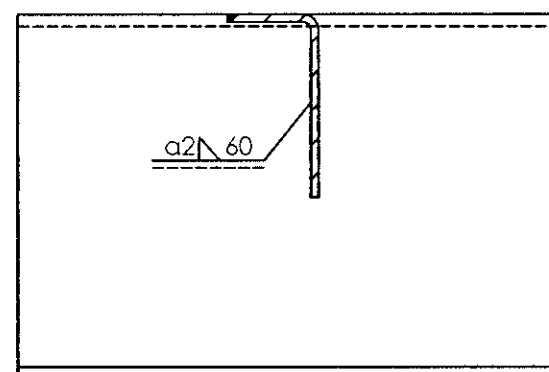
SECTION O-O  
SCALE 1 : 2



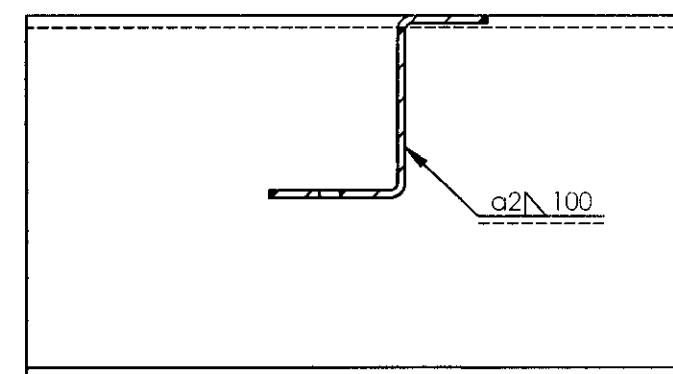
SECTION P-P  
SCALE 1 : 2



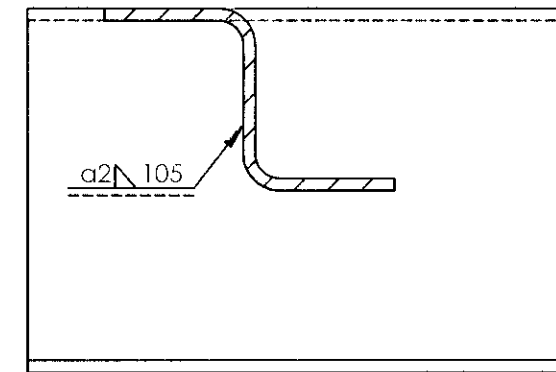
SECTION Q-Q  
SCALE 1 : 2



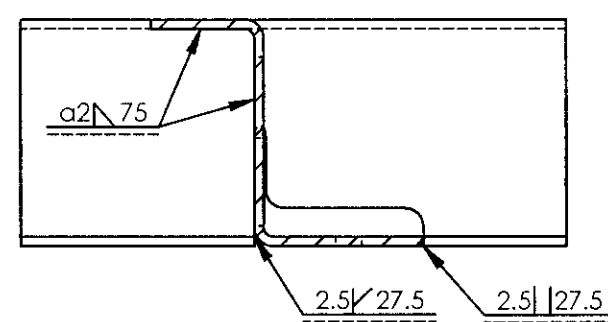
SECTION H-H  
SCALE 1 : 2.5



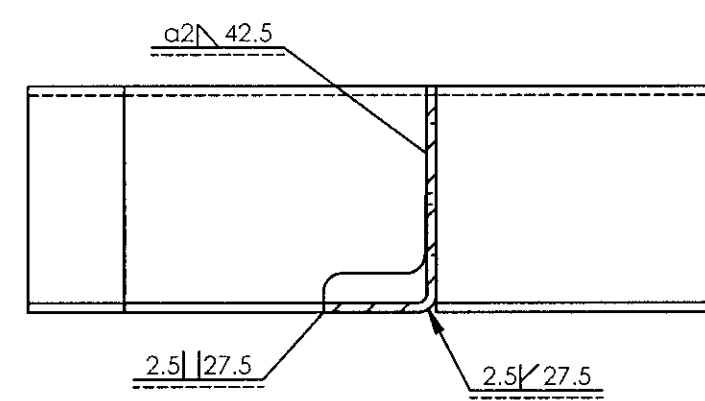
SECTION J-J  
SCALE 1 : 2.5



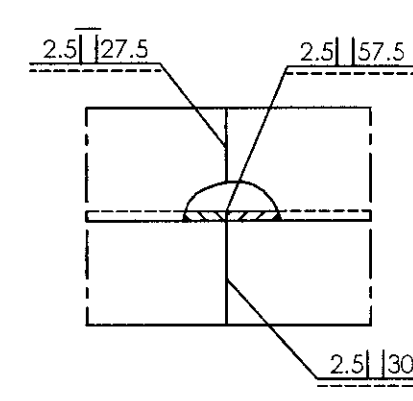
SECTION K-K  
SCALE 1 : 2.5



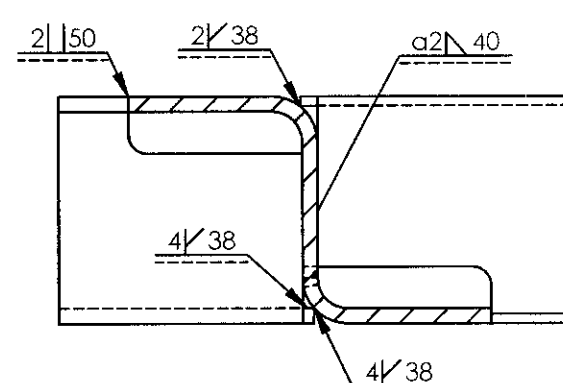
SECTION R-R  
SCALE 1 : 2



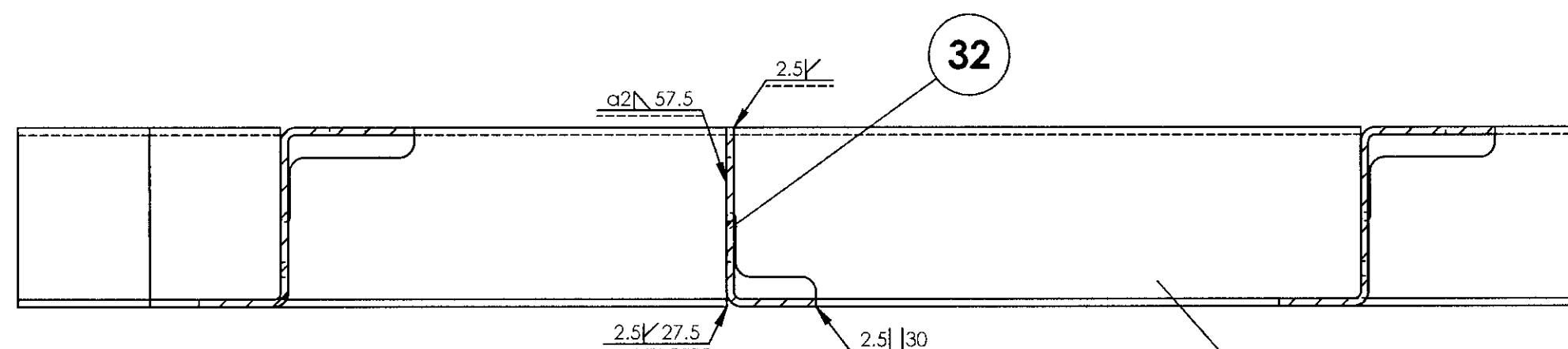
SECTION G-G  
SCALE 1:2



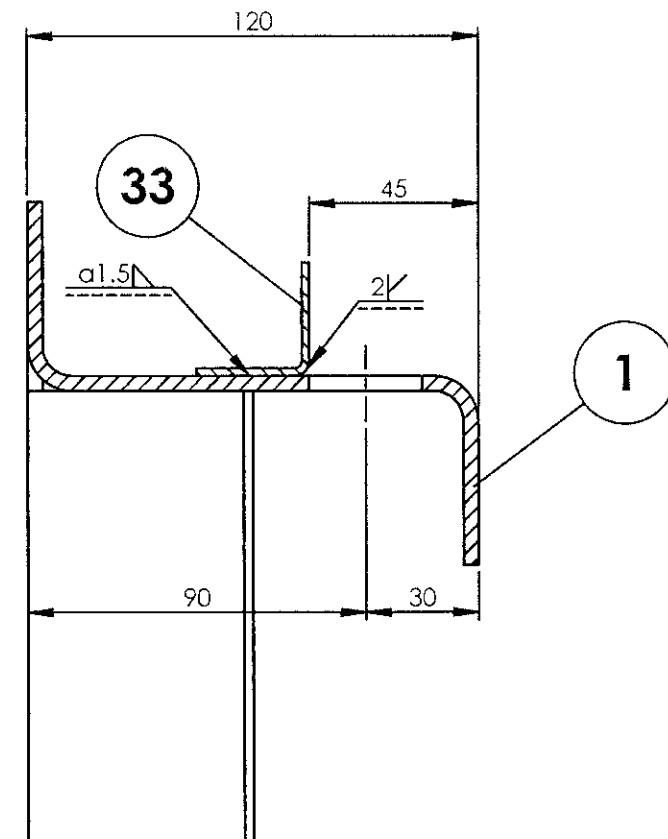
DETAIL L  
SCALE 1:2



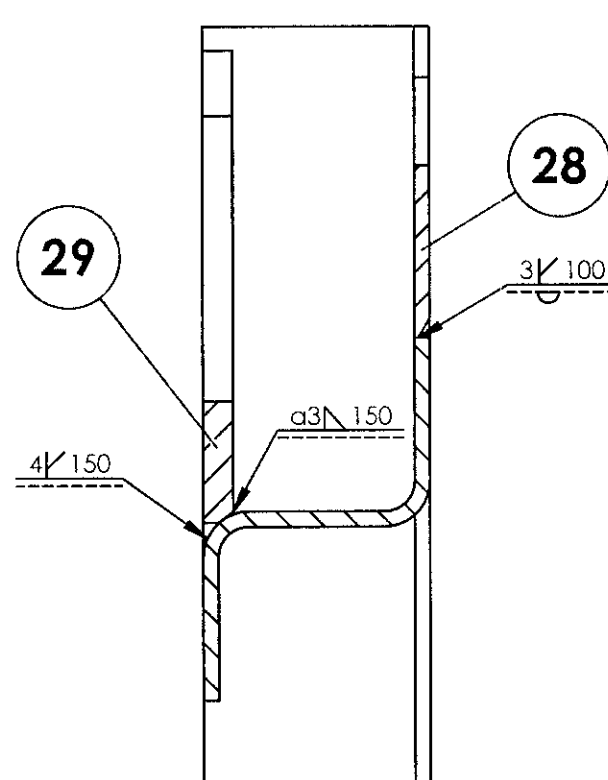
SECTION M-M  
SCALE 1 : 2



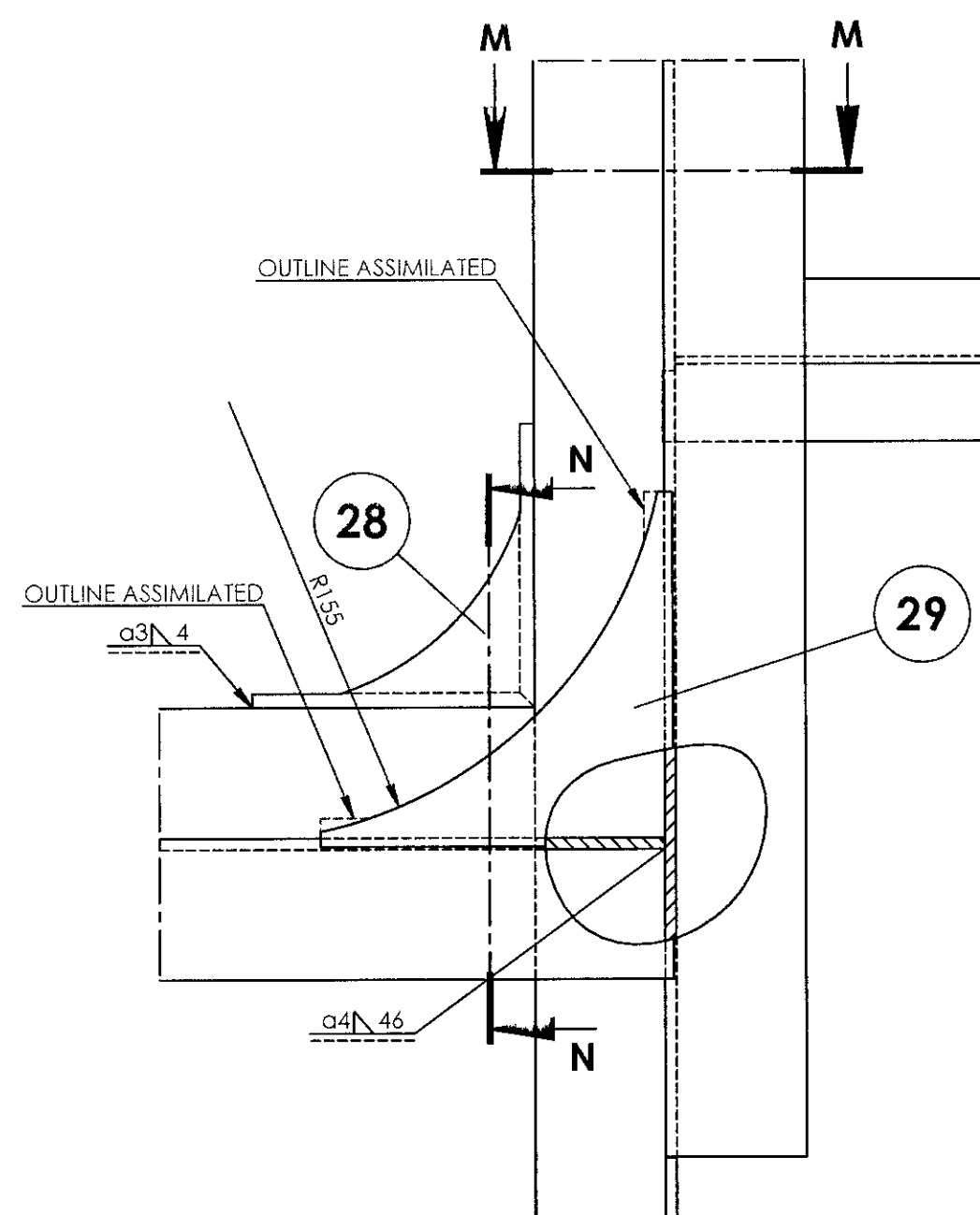
SECTION S-S  
SCALE 1 : 2



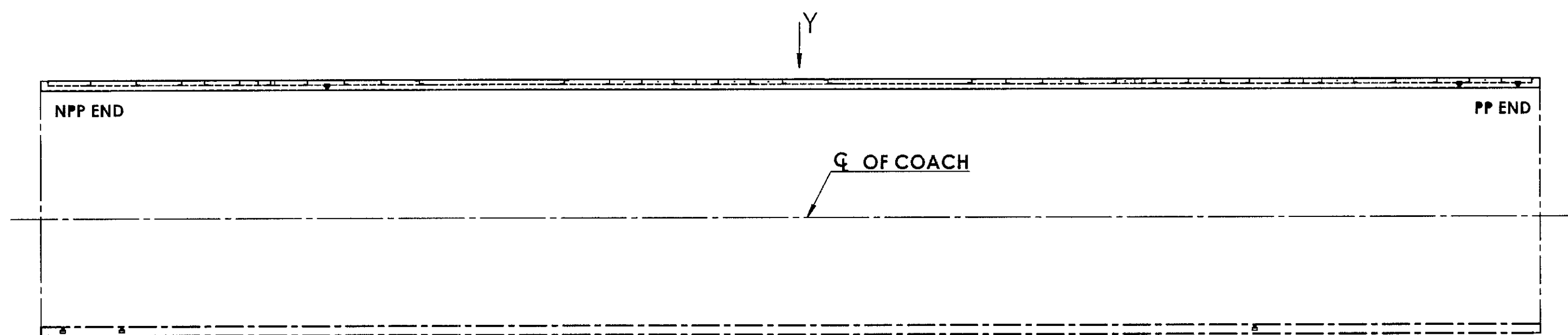
SECTION T-T  
SCALE 1 : 2



SECTION N-N  
SCALE 1 : 2



DETAIL E  
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 WELDINGS SHALL BE TIG WELDING UNLESS OTHERWISE SPECIFIED.
3. ALL WELD SPATTERS SHALL BE GROUND.
4. ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
5. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
6. ALL WELD PERFORMANCE CLASS SHALL BE **CP C2** UNLESS OTHERWISE SPECIFIED.
7. FOR WELD TESTING PREFERENCES REFER DFR. No. ICF/STD-9-0-998.
8. FOR WELD PROCEDURE SPECIFICATION REFER DFR. No. ICF/STD-9-0-999.

3	ANGLE		<b>33</b>	AAA14809		0.05	
1	PILLAR		<b>32</b>	AAA14943		3.325	
3	HORIZONTAL MEMBER		<b>31</b>	AAE14061		3.655	
1	HORIZONTAL MEMBER		<b>30</b>	AAE14059		3.655	
8	CORNER SHEET		<b>29</b>	AAA14993		0.350	
8	CORNER SHEET		<b>28</b>	AAA14992		0.063	
1	HORIZONTAL MEMBER		<b>27</b>	AAE14064		5.708	
3	HORIZONTAL MEMBER		<b>26</b>	AAA14983		5.803	
1	HORIZONTAL MEMBER		<b>25</b>	AAA14982		5.801	
3	HORIZONTAL MEMBER		<b>24</b>	AAA14981		4.080	
1	HORIZONTAL MEMBER		<b>23</b>	AAA14980		4.079	
3	HORIZONTAL MEMBER		<b>22</b>	AAA14979		4.279	
1	HORIZONTAL MEMBER		<b>21</b>	AAA14978		4.277	
3	HORIZONTAL MEMBER		<b>20</b>	AAE14063		5.708	
1	HORIZONTAL MEMBER		<b>19</b>	AAA14964		3.333	
1	HORIZONTAL MEMBER		<b>18</b>	AAA14963		1.152	
1	HORIZONTAL MEMBER		<b>17</b>	AAA14962		3.331	
2	HORIZONTAL MEMBER		<b>16</b>	AAA14961		3.335	
1	HORIZONTAL MEMBER		<b>15</b>	AAA14960		1.163	
1	HORIZONTAL MEMBER		<b>14</b>	AAA14959		1.152	
2	HORIZONTAL MEMBER		<b>13</b>	AAA14958		3.339	
4	HORIZONTAL MEMBER		<b>12</b>	AAA14957		7.606	
1	PILLAR		<b>11</b>	AAA14942		3.325	
2	PILLAR		<b>10</b>	AAA14941		8.969	
2	PILLAR		<b>9</b>	AAA14940		8.969	
2	PILLAR		<b>8</b>	AAA14937		0.695	
1	PILLAR		<b>7</b>	AAA14936		1.801	
1	PILLAR		<b>6</b>	AAA14935		1.801	
2	PILLAR		<b>5</b>	AAA14934		5.001	
2	PILLAR		<b>4</b>	AAA14933		5.001	
15	PILLAR		<b>3</b>	AAA14932		4.862	
9	PILLAR		<b>2</b>	AAA14931		4.862	
1	ROOF FLANGE COMPLETE (LEFT CRF)		<b>1</b>	AAK14497		114.298	

GROUP: 1-4 Body Side Walls	SURFACE AREA IN Sq.m.: 39.026	WT/ASSY IN Kgs:
----------------------------	-------------------------------	-----------------

FRAME WORK LEFT COMPLETE

INDIAN RAILWAY STANDARDS  
INTEGRAL COACH FACTORY, CHENNAI - 600038

SHEET  
0050

LWLRRM/PP2

83114006

A1

REF.DRG.NO.53814088

	28-07-2025	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	A.M.E./S.M.E

83114007

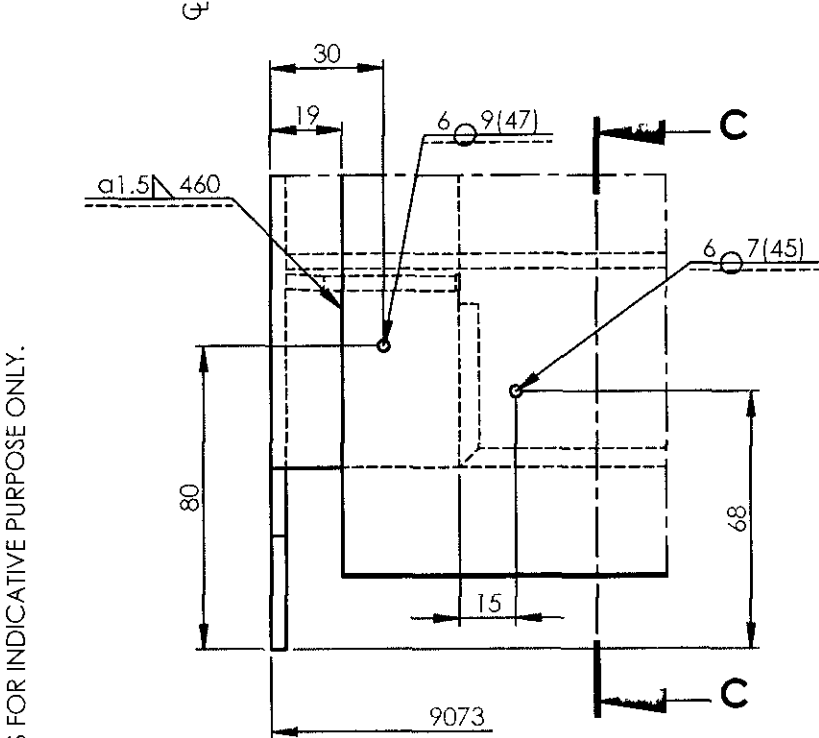
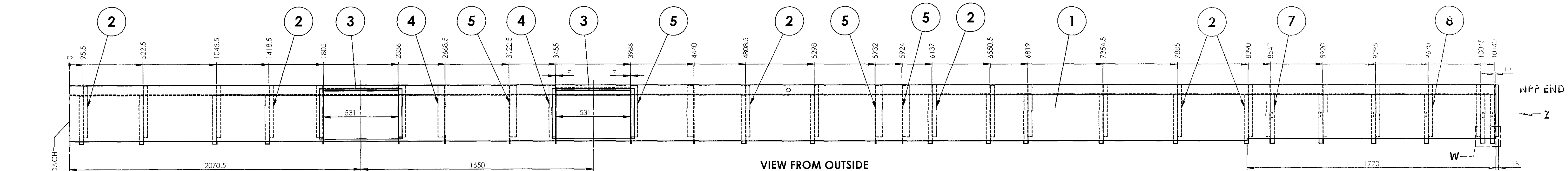
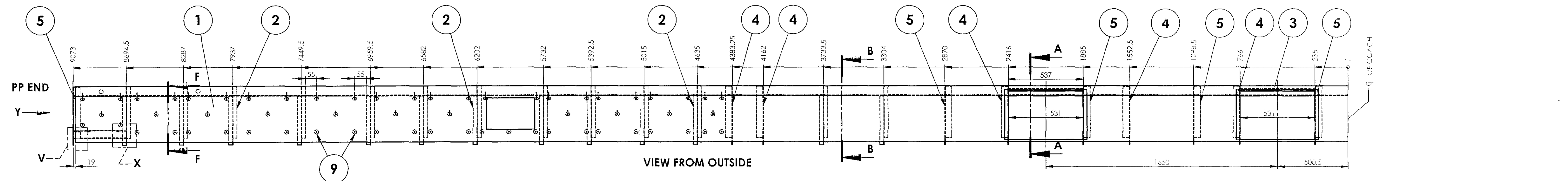
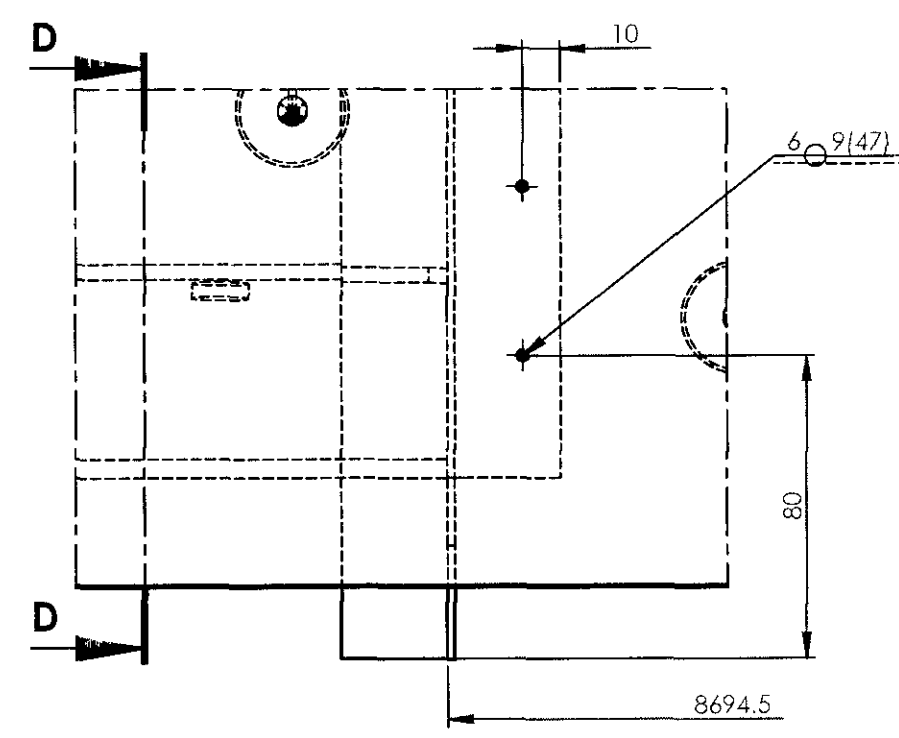
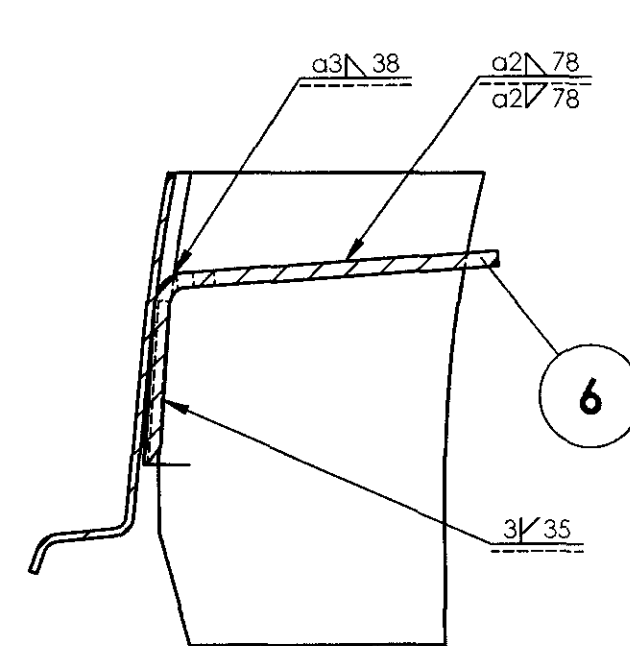
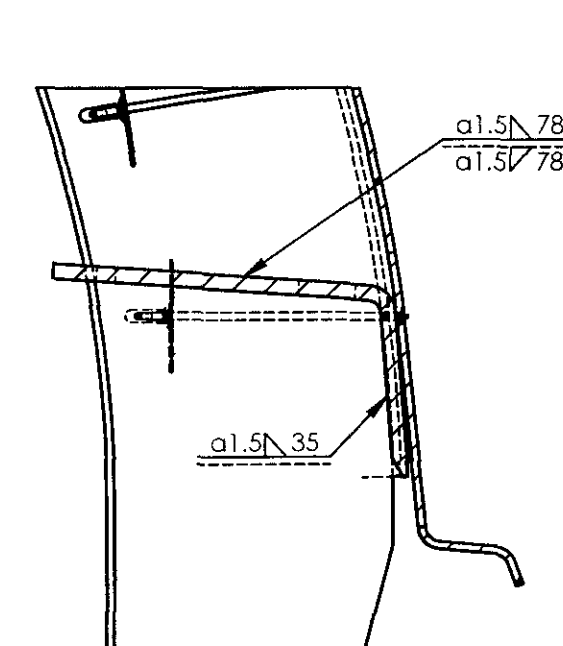
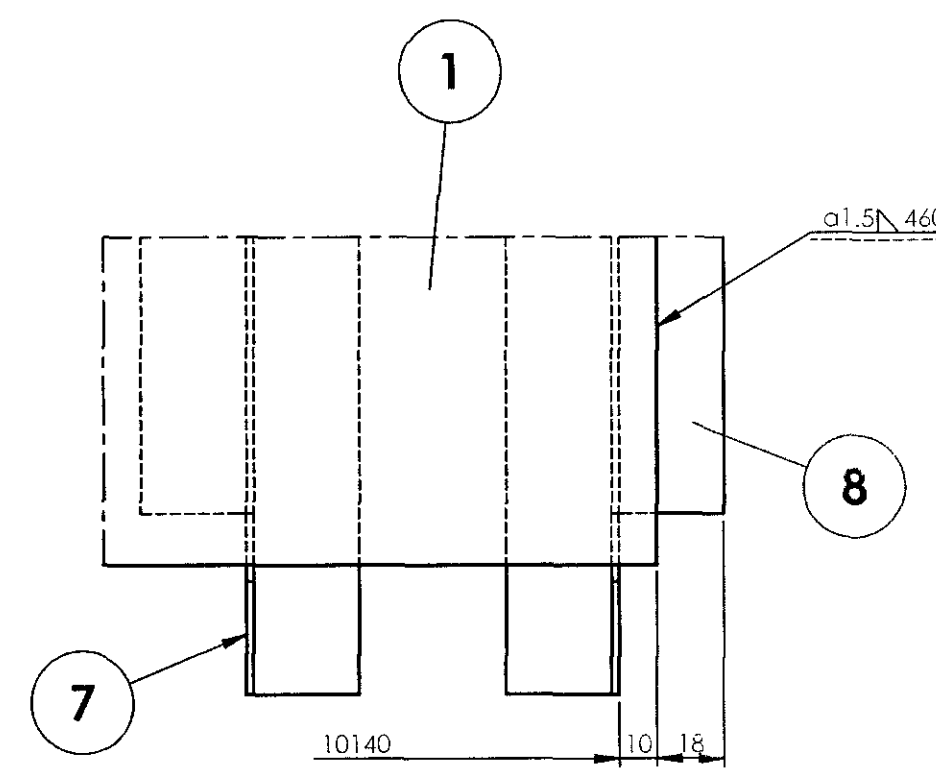
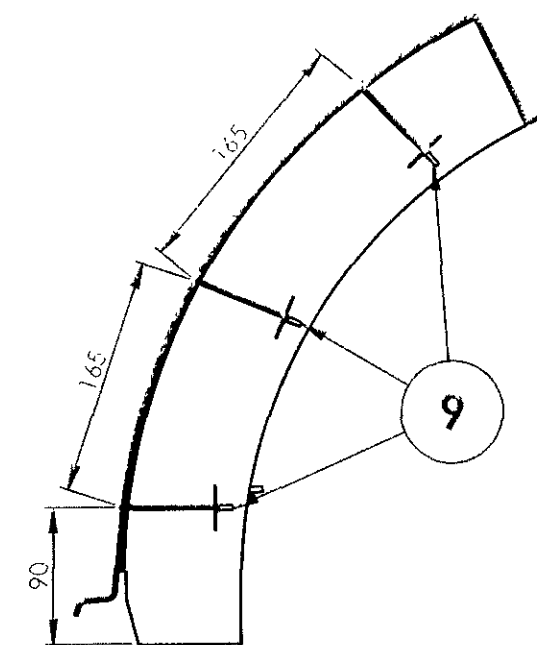
▽ ROUGH MACHINED  
▽▽ FINISH MACHINED  
▽▽▽ FINE FINISH MACHINED

⑪ ROUGH CLEANED  
⑫ BURRS REMOVED  
⑬ CHAMFERED

REVISIONS

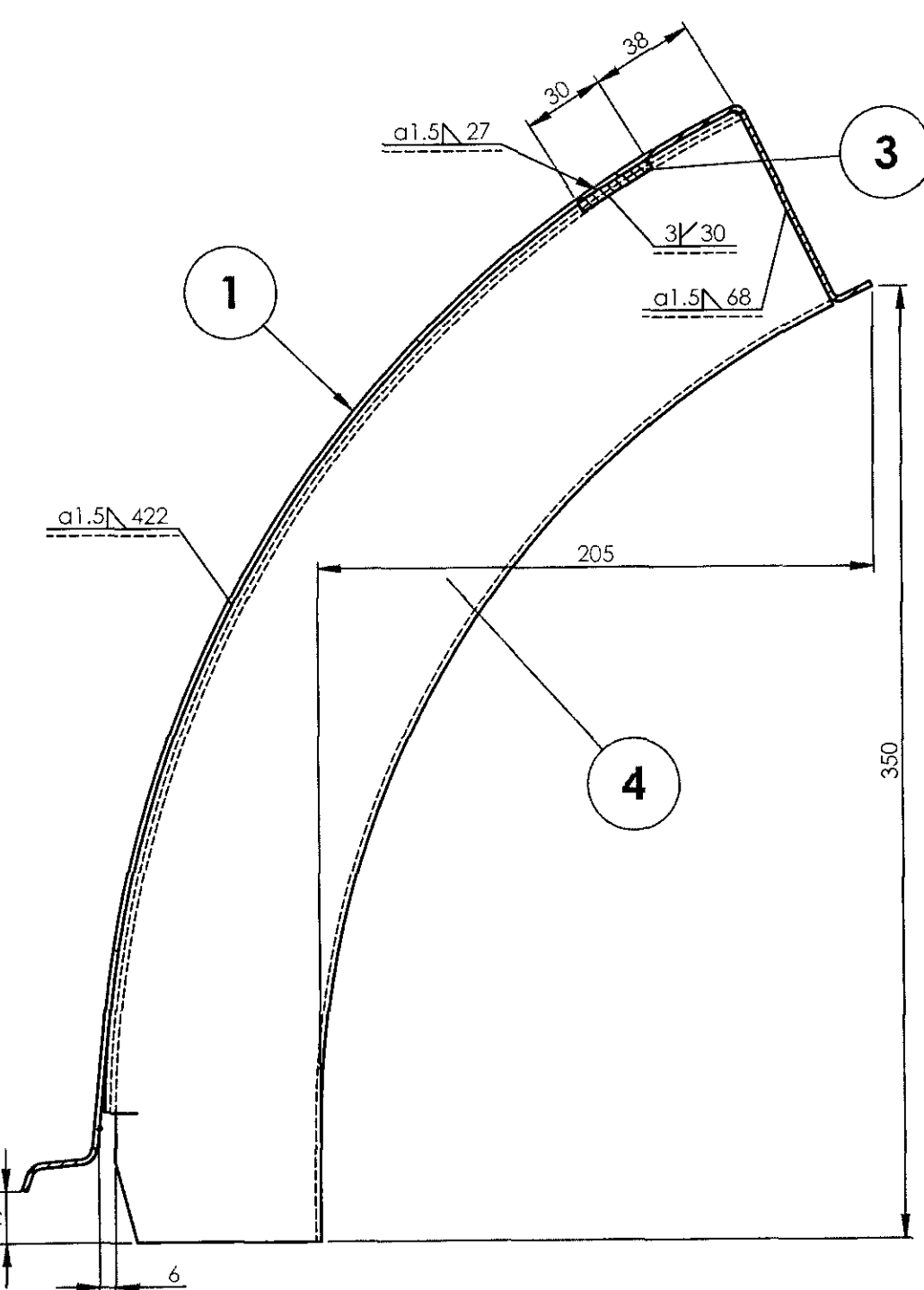
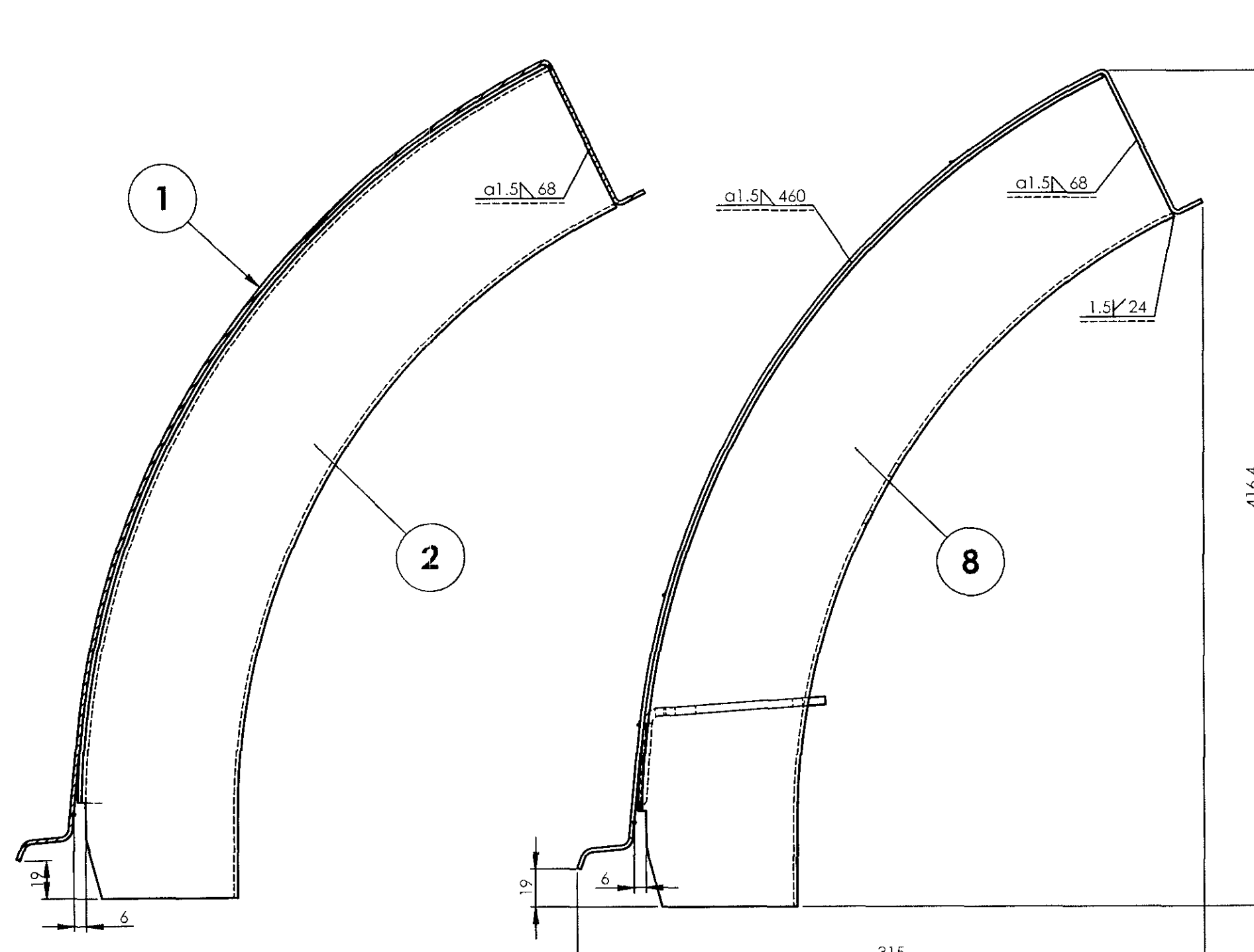
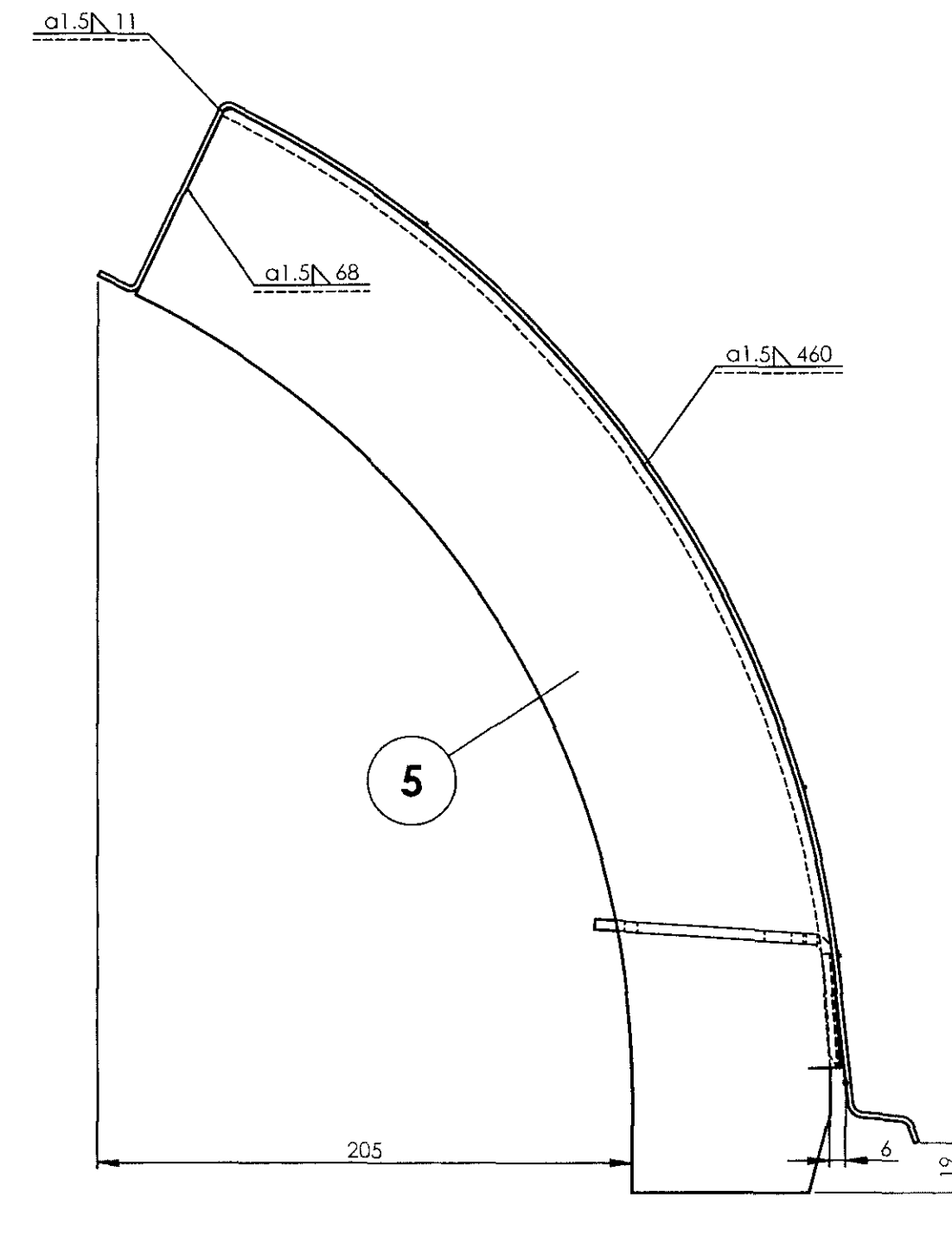
ALL. ZONE DESCRIPTION

APPROVED &amp; DATE

DETAIL V  
SCALE 1 : 2DETAIL X  
SCALE 1 : 2SECTION C-C  
SCALE 1 : 2SECTION D-D  
SCALE 1 : 2DETAIL W  
SCALE 1 : 2SECTION F-F  
SCALE 1 : 5

## NOTE:

1. STAINLESS STEEL ELECTRODE OF SAME COMPOSITION AS PER TABLE-3 OF RDSO/SPEC. C-201 SHALL BE USED FOR WELDING.
2. ALL WELD SPATTERS SHALL BE GROUND.
3. ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
4. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
5. ALL WELDINGS SHALL BE TIG WELDING UNLESS OTHERWISE SPECIFIED.
6. ALL WELD PERFORMANCE CLASS SHALL BE CP C2 UNLESS OTHERWISE SPECIFIED.
7. FOR WELD TESTING PREFERENCES REFER DRG. NO. ICF/STD-9-G-978.
8. FOR WELD PROCEDURE SPECIFICATION REFER DRG. NO. ICF/STD-9-G-999.

SECTION A-A  
SCALE 1 : 2.5SECTION B-B  
SCALE 1 : 2.5VIEW FROM Y  
SCALE 1:2.5

REF.DRG.NO.1 11012.0.20.110.012 All B

DATE OF LATEST ALT. DATE OF FIRST ISSUE  
25-07-2025  
AHE/SHE

40	WELDING PIN ASSEMBLY	9	49514008		0.005	
4	ARCH	8	AAA14858		0.940	
2	ARCH	7	AAA14857		0.940	
1	STIFFENING ANGLE	6	AAA14991		1.51	
10	ARCH	5	AAA14860		1.783	
9	ARCH	4	AAA14859		1.783	
4	FLAT	3	AAA14994		0.514	
25	ARCH	2	AAB14341		0.941	
1	CARLINE LEFT (CRF)	1	AAK14499		144.459	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS
REMARKS						

GROUP: 1-4 Body Side Walls

SURFACE AREA IN Sq.m.: 27.309

WT/ASSY IN Kgs:

CARLINE LEFT COMPLETE

INDIAN RAILWAY STANDARDS  
INTEGRAL COACH FACTORY, CHENNAI - 600038SHEET  
1 OF 1

83114007

A1



83114008

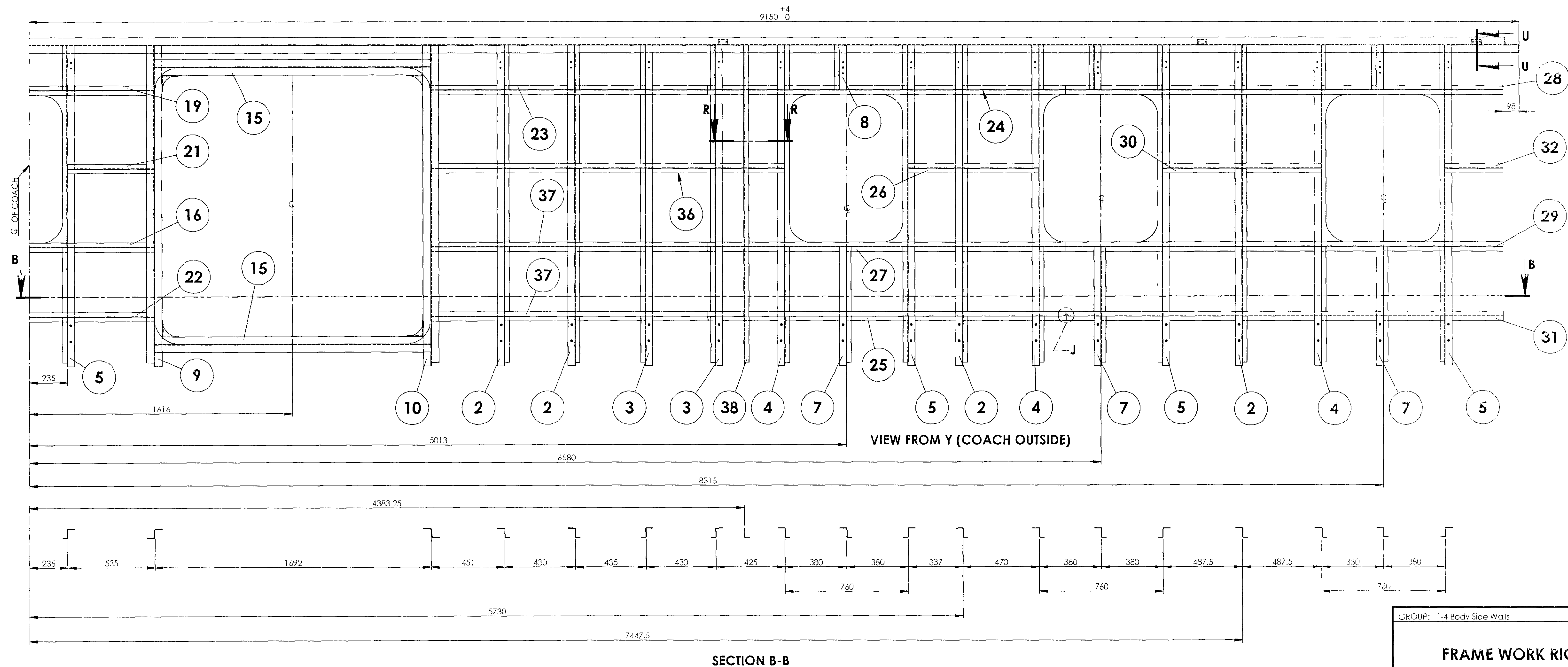
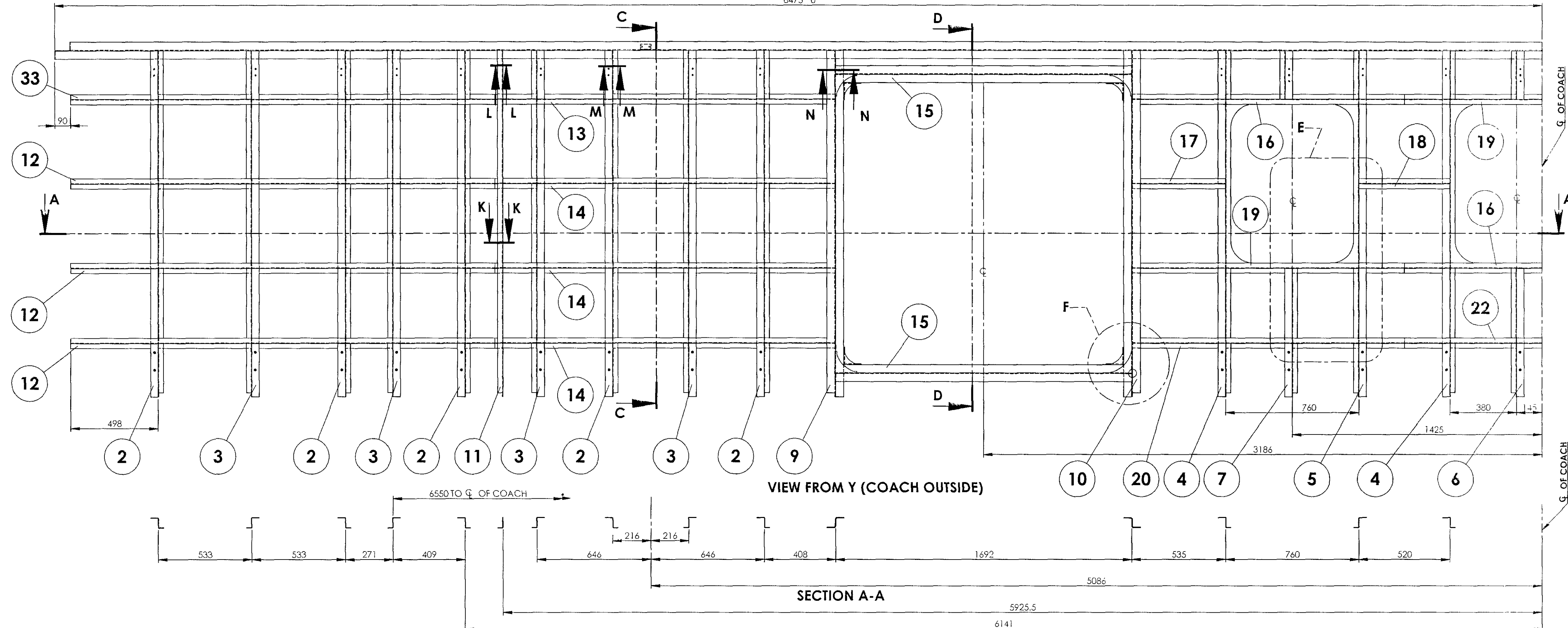
▽ ROUGH MACHINED  
▽▽ FINISH MACHINED  
▽▽▽ FINE FINISH MACHINED

○ ROUGH CLEANED  
○ BURN'S REMOVED  
○ CHAMFERED

REVISIONS

DESCRIPTION

APPROVED &amp; DATE

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

GROUP: 1-4 Body Side Walls

SURFACE AREA IN Sq.m.: 37,906

WT/ASSY IN Kgs:

FRAME WORK RIGHT COMPLETE

INDIAN RAILWAY STANDARDS  
INTEGRAL COACH FACTORY, CHENNAI - 600038SHEET  
1 OF 2LWLRRM/PP2  
83114008  
A1

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOOLERED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO IC/STD-90-001.  
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER ISO 2553. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY.

REF.DRG.NO.

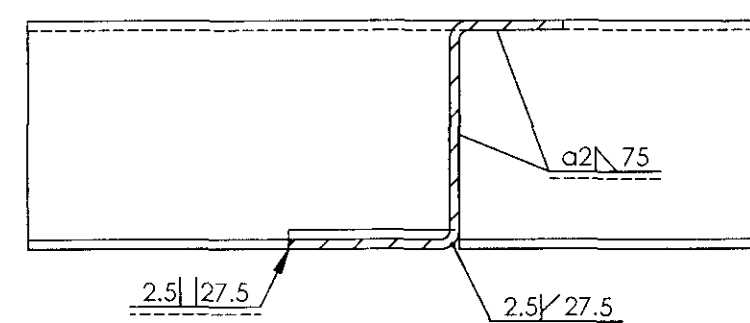
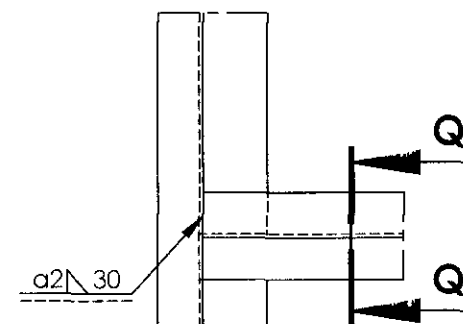
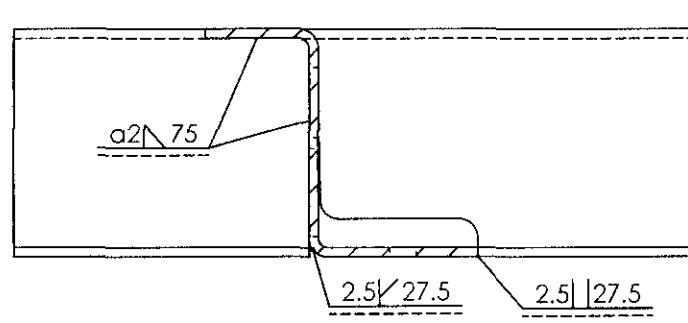
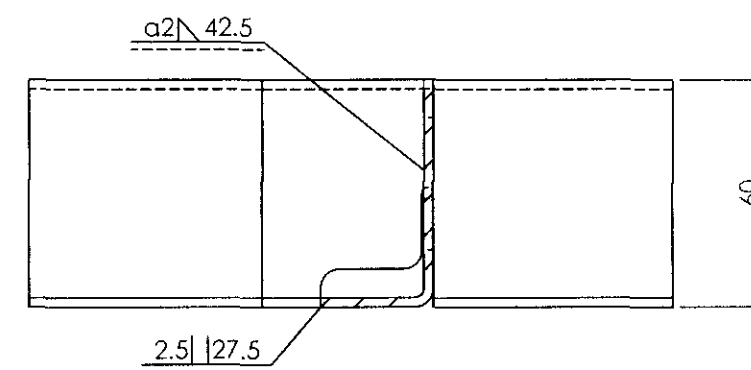
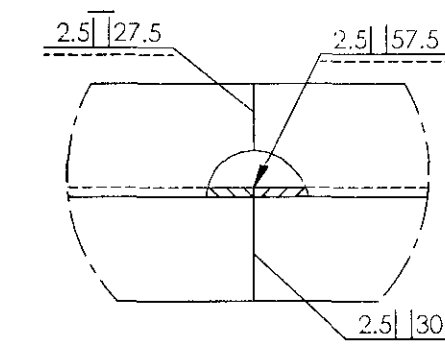
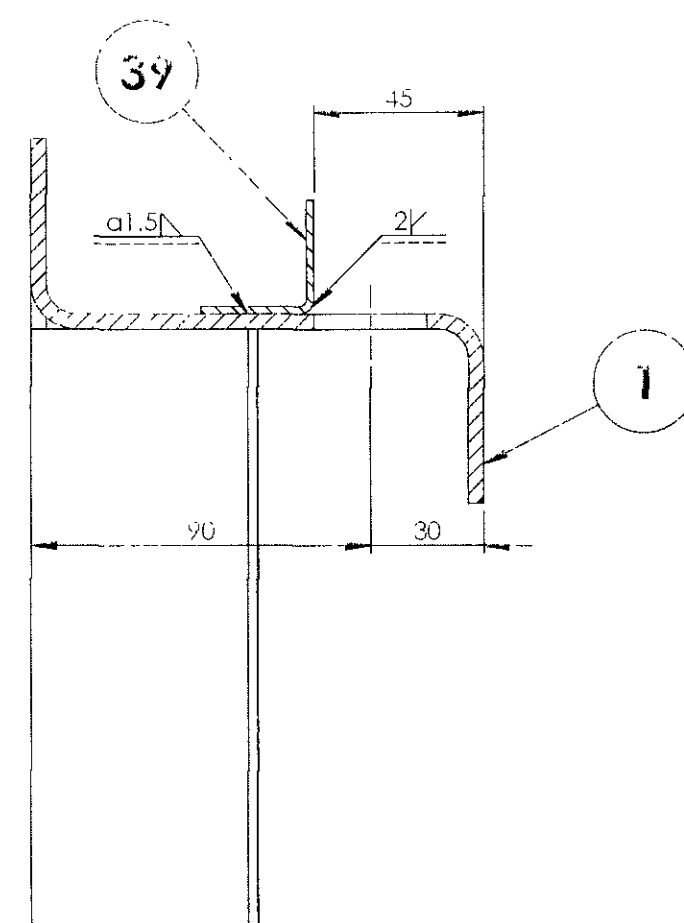
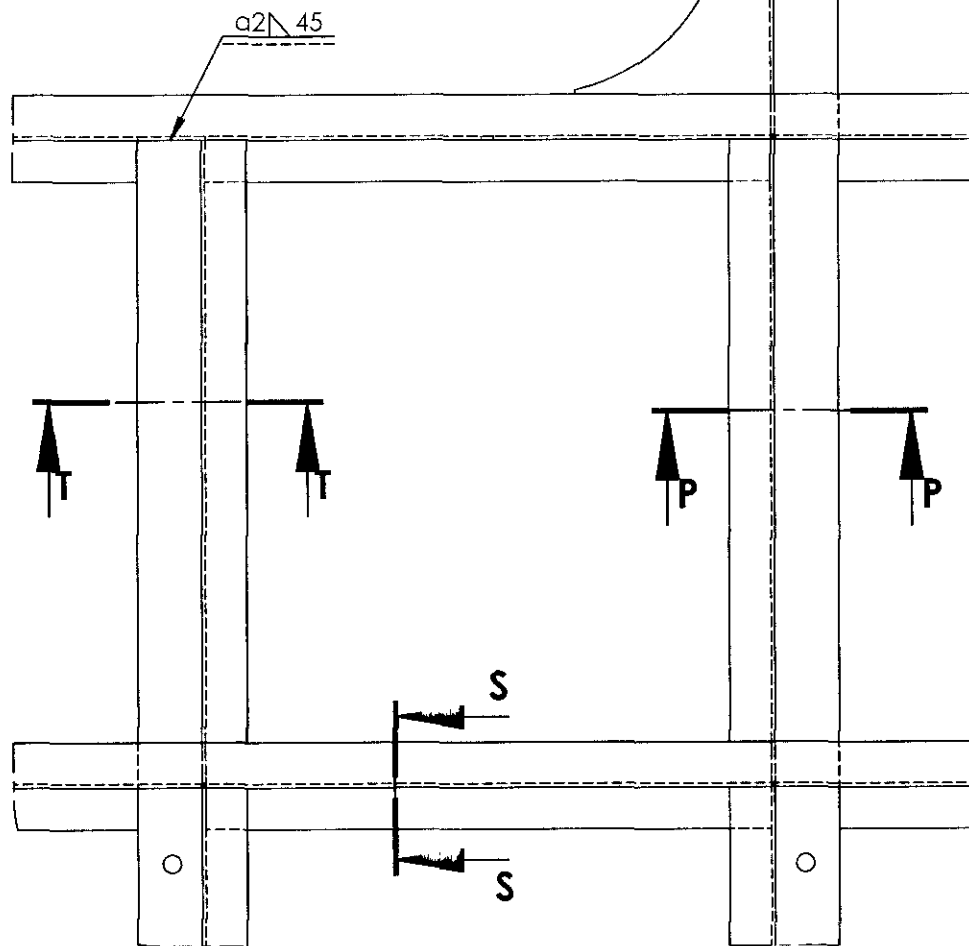
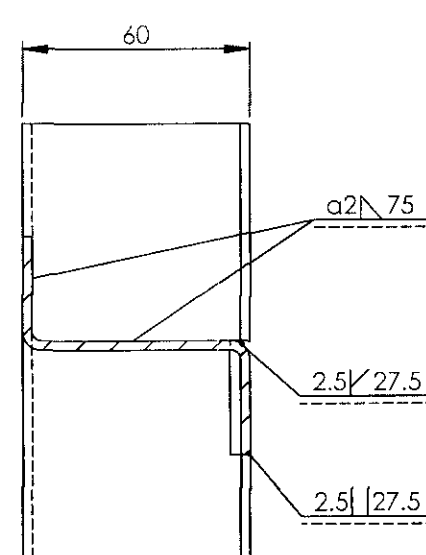
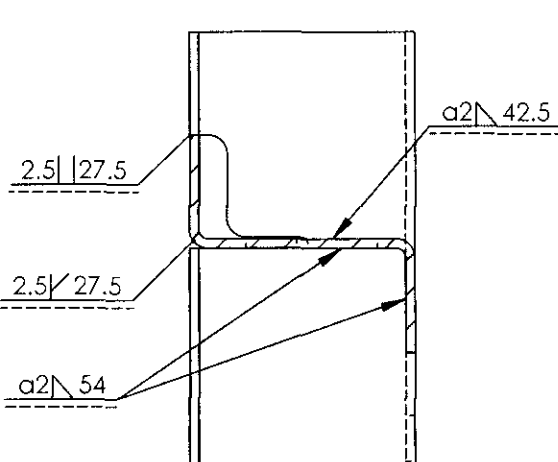
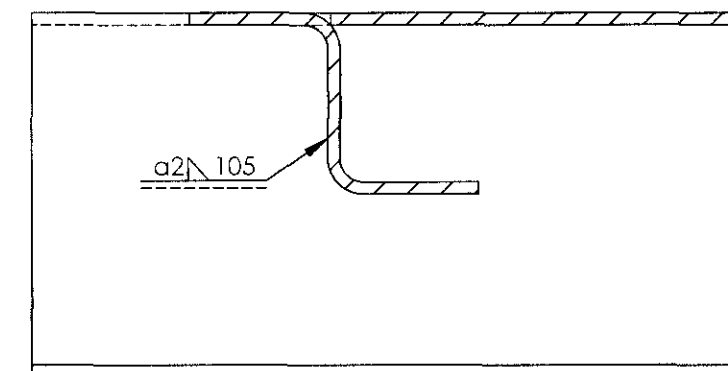
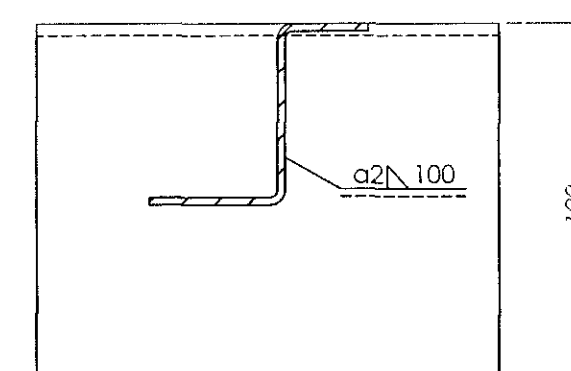
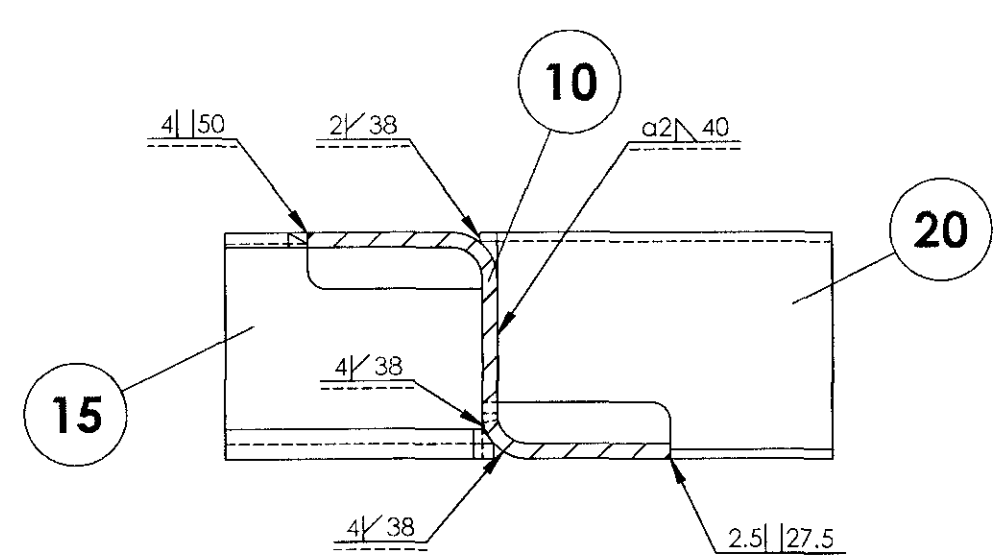
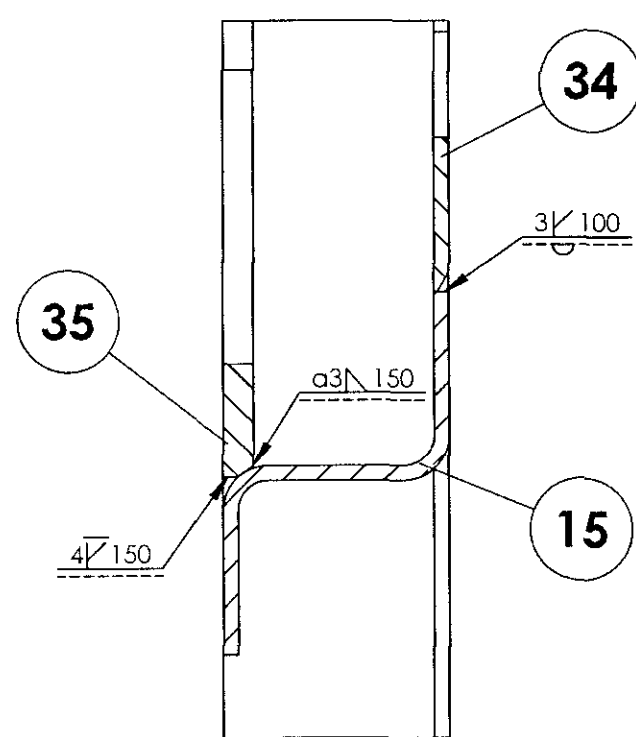
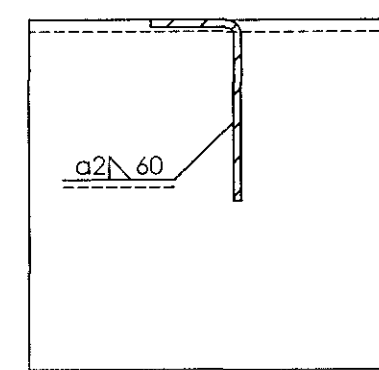
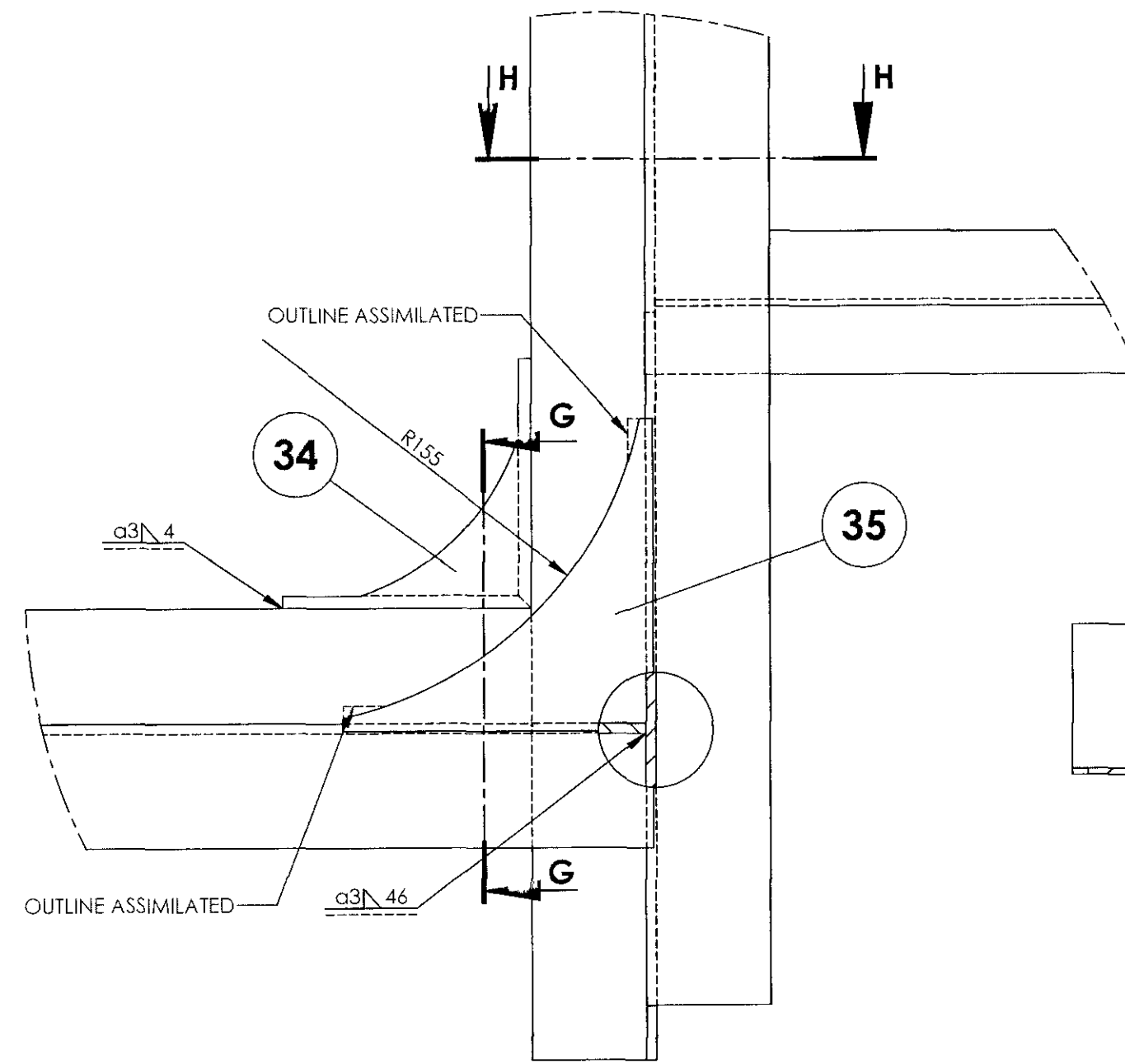
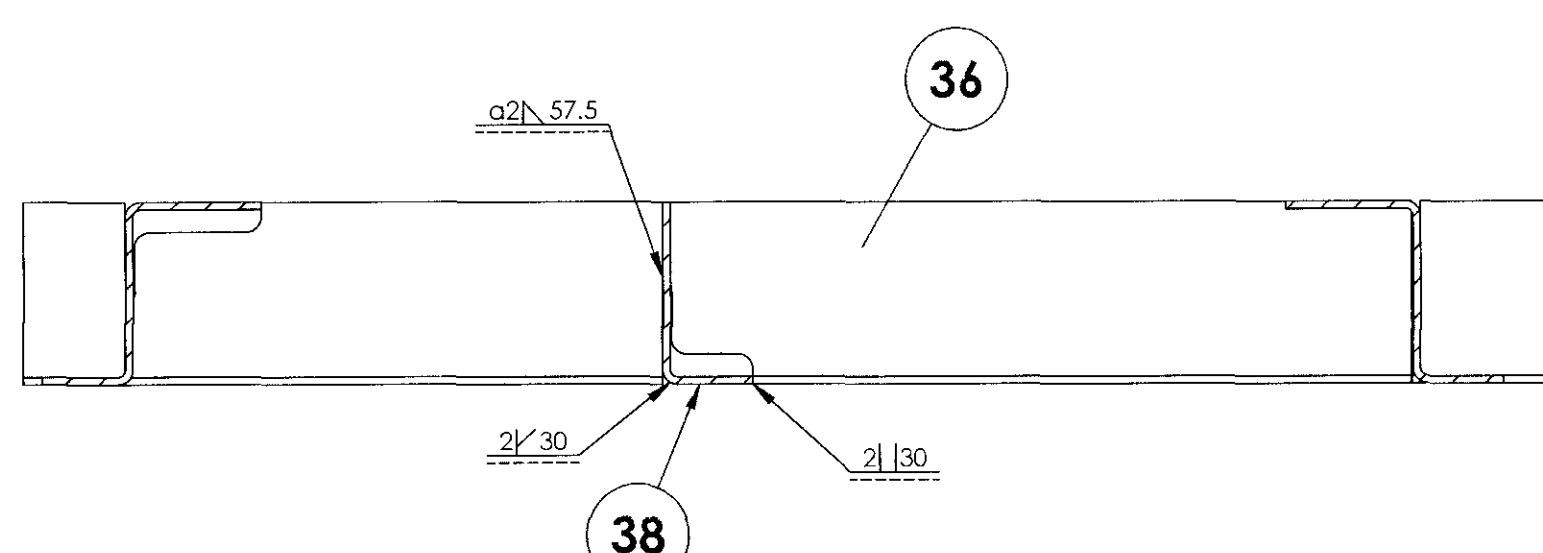
DATE OF LATEST ALT. 28-07-2025  
DATE OF FIRST ISSUE  
NAME/SME

83114008

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

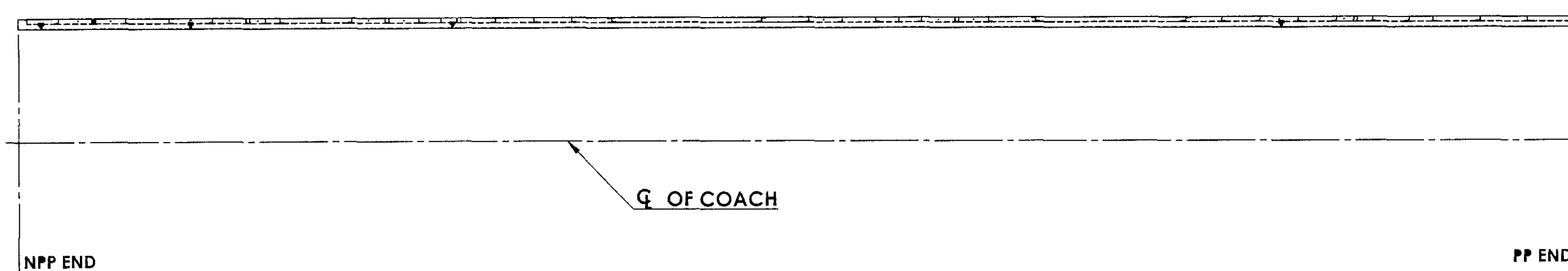
① ROUGH CLEANED  
② BURS REMOVED  
③ CHAMFERED

REVISIONS  
ALT. ZONE DESCRIPTION APPROVED & DATE

SECTION T-T  
SCALE 1 : 2SECTION P-P  
SCALE 1 : 2SECTION K-K  
SCALE 1 : 2DETAIL J  
SCALE 1 : 2SECTION U-U  
SCALE 1 : 2DETAIL E  
SCALE 1 : 5SECTION Q-Q  
SCALE 1 : 2SECTION S-S  
SCALE 1 : 2SECTION N-N  
SCALE 1 : 2.5SECTION M-M  
SCALE 1 : 2.5SECTION H-H  
SCALE 1 : 2SECTION G-G  
SCALE 1 : 2SECTION L-L  
SCALE 1 : 2.5DETAIL F  
SCALE 1 : 2.5SECTION R-R  
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 WELDINGS SHALL BE TIG WELDING UNLESS OTHERWISE SPECIFIED.
3. ALL WELD SPATTERS SHALL BE GROUND.
4. ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
5. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
6. ALL WELD PERFORMANCE CLASS SHALL BE **CP C2** UNLESS OTHERWISE SPECIFIED.
7. FOR WELD TESTING PREFERENCES REFER DRG. No. ICF/STD-9-0-998.
8. FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.



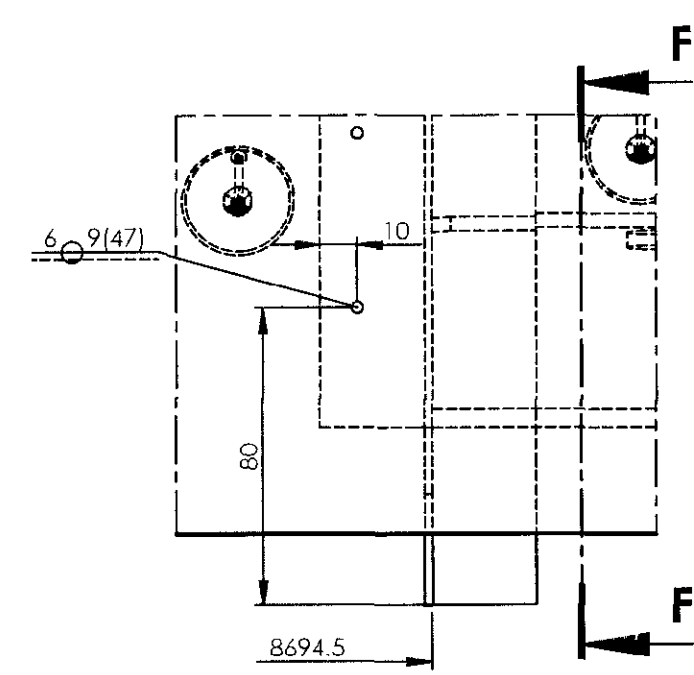
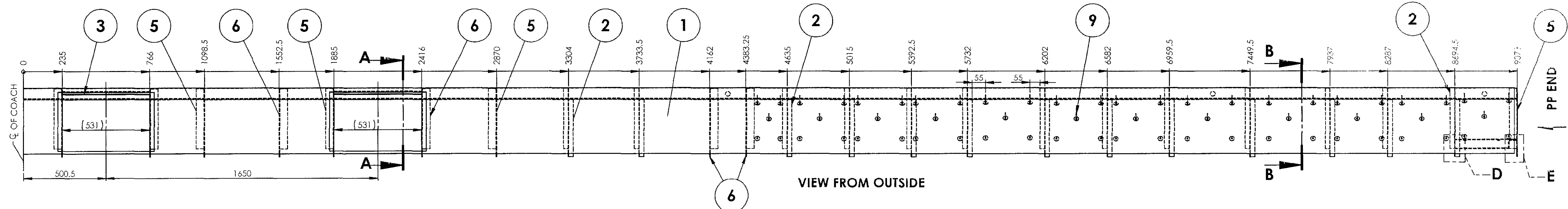
REF.DRG.NO.

DATE OF LATEST ALT. 28-07-2025  
DATE OF FIRST ISSUE  
AME/SAFE

4	ANGLE		39	AAA14809		0.05	
1	PILLAR		38	AAA14943		3.325	
2	HORIZONTAL MEMBER		37	AAE14061		3.655	
1	HORIZONTAL MEMBER		36	AAE14060		4.651	
8	CORNER SHEET		35	AAA14993		0.350	
8	CORNER SHEET		34	AAA14992		0.063	
1	HORIZONTAL MEMBER		33	AAA14984		5.229	
1	HORIZONTAL MEMBER		32	AAA14976		0.798	
1	HORIZONTAL MEMBER		31	AAA14975		5.803	
1	HORIZONTAL MEMBER		30	AAA14974		2.136	
1	HORIZONTAL MEMBER		29	AAA14973		5.815	
1	HORIZONTAL MEMBER		28	AAA14972		5.801	
1	HORIZONTAL MEMBER		27	AAE14057		4.710	
1	HORIZONTAL MEMBER		26	AAA14970		1.771	
1	HORIZONTAL MEMBER		25	AAE14058		4.704	
1	HORIZONTAL MEMBER		24	AAE14062		4.708	
1	HORIZONTAL MEMBER		23	AAE14059		3.655	
1	HORIZONTAL MEMBER		22	AAA14964		3.333	
1	HORIZONTAL MEMBER		21	AAA14963		1.152	
1	HORIZONTAL MEMBER		20	AAA14962		3.331	
2	HORIZONTAL MEMBER		19	AAA14961		3.335	
1	HORIZONTAL MEMBER		18	AAA14960		1.163	
1	HORIZONTAL MEMBER		17	AAA14959		1.152	
2	HORIZONTAL MEMBER		16	AAA14958		3.339	
4	HORIZONTAL MEMBER		15	AAA14957		7.606	
3	HORIZONTAL MEMBER		14	AAA14956		4.134	
1	HORIZONTAL MEMBER		13	AAA14955		4.132	
3	HORIZONTAL MEMBER		12	AAA14954		5.229	
1	PILLAR		11	AAA14942		3.325	
2	PILLAR		10	AAA14941		8.969	
2	PILLAR		9	AAA14940		8.969	
5	PILLAR		8	AAA14937		0.695	
4	PILLAR		7	AAA14936		1.801	
1	PILLAR		6	AAA14935		1.801	
5	PILLAR		5	AAA14934		5.001	
5	PILLAR		4	AAA14933		5.001	
6	PILLAR		3	AAA14932		4.862	
9	PILLAR		2	AAA14931		4.862	
1	ROOF FLANGE COMPLETE RIGHT (CRF)		1	AAK14496		114.371	
QTY.	DESCRIPTION	DIMENSIONS	ITEM	REF.DRGS.	MATL	WT/UNIT	REMARKS

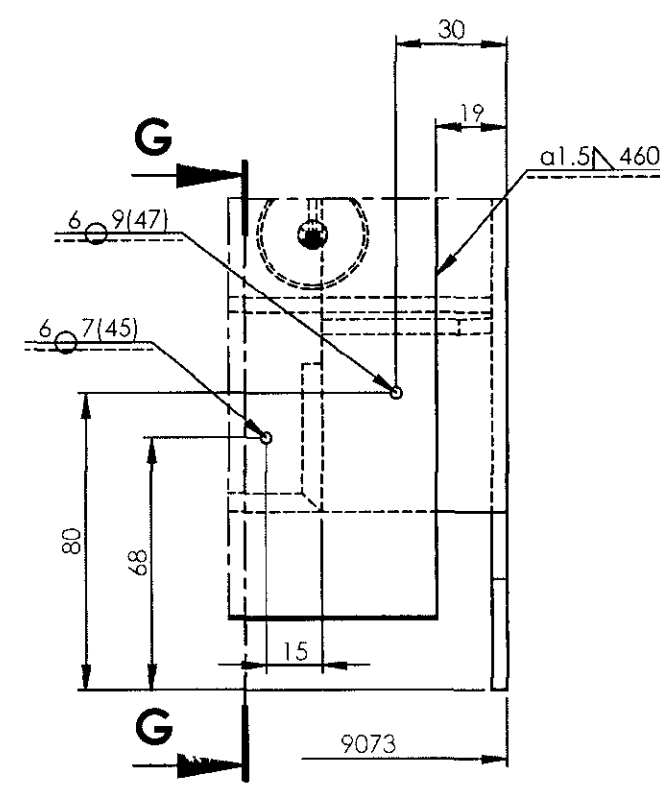
GROUP: 1-4 Body Side Walls		SURFACE AREA IN Sq.m. 37.906		WT/ASSY IN KGS:	
SCALE 1:15		CSE, D		CHL	
ALT.		ALTD		DRN	
INDIAN RAILWAY STANDARDS		SHEET 2 OF 2		LWLRRM/PP2	
INTEGRAL COACH FACTORY, CHENNAI - 600038		83114008		A1	

12	13	14	15	16
▽ ROUGH MACHINED	Ⓐ ROUGH CLEANED	REVISONS		
▽▽ FINISH MACHINED	Ⓑ BURRS REMOVED	ALT.	ZONE	DESCRIPTION
▽▽▽ FINE FINISH MACHINED	Ⓒ CHAMFERED	APPROVED & DATE		

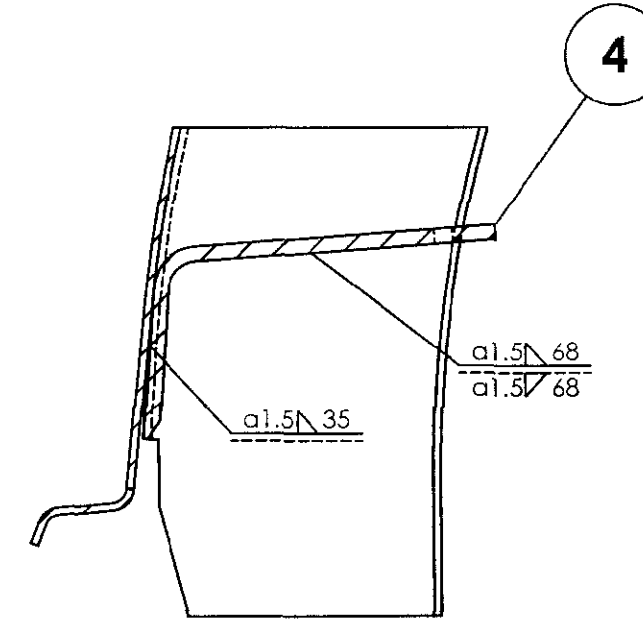


DETAIL C  
SCALE 1 : 2

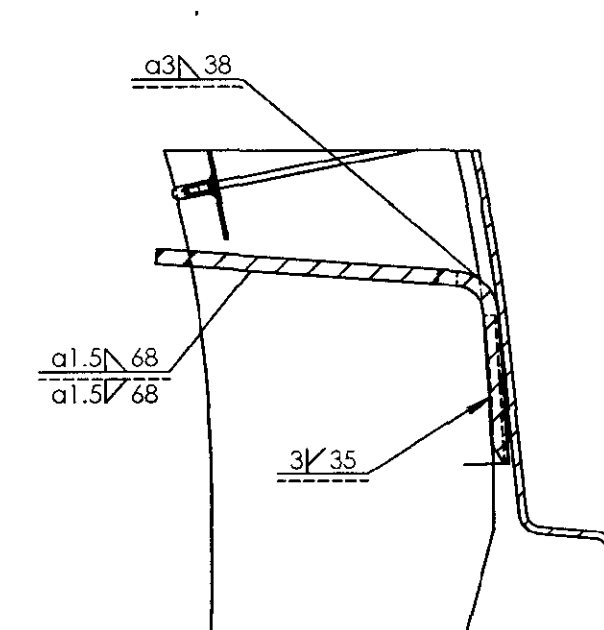
**DETAIL D**  
**SCALE 1 : 2**



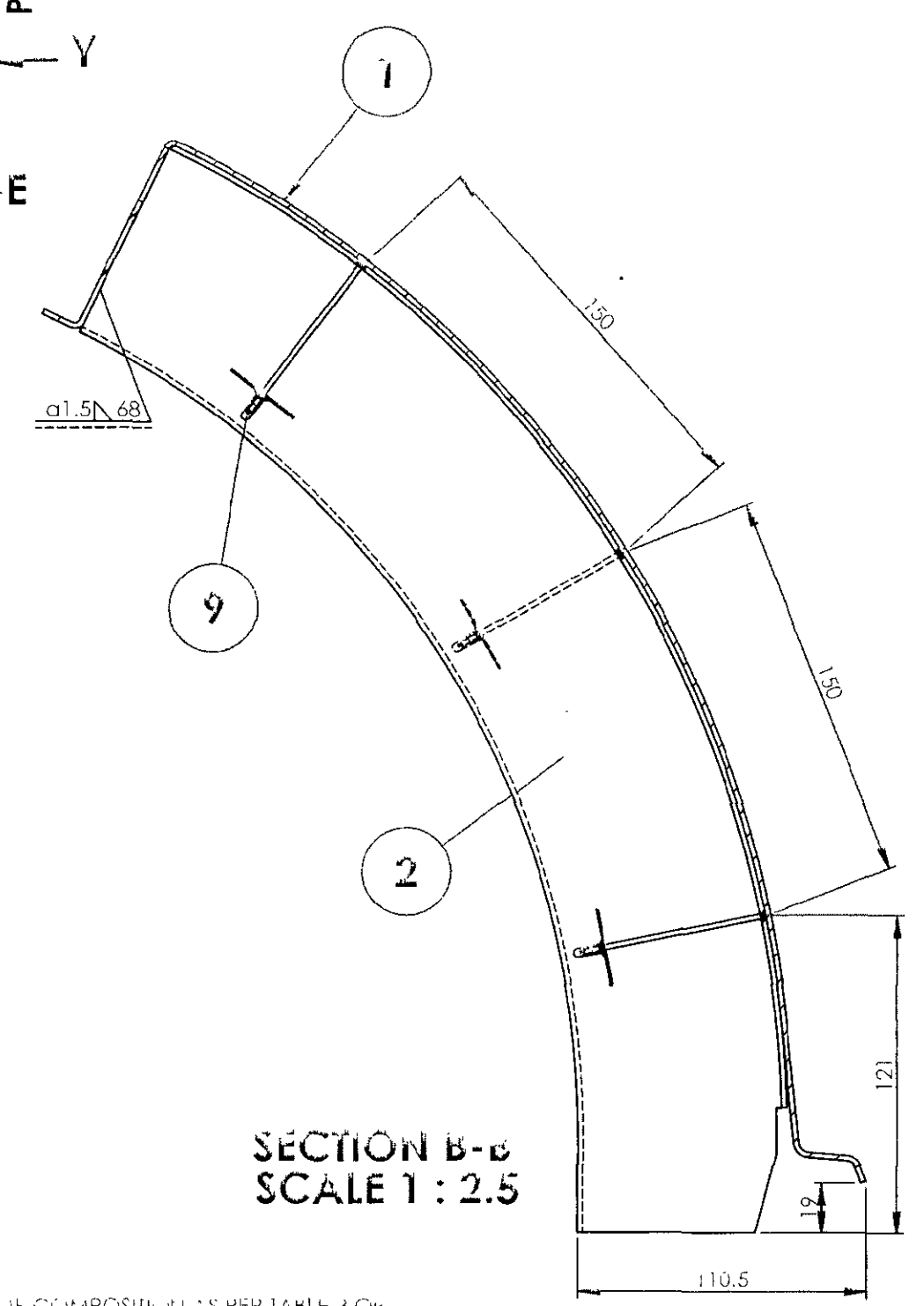
DETAIL E  
SCALE 1 : 2



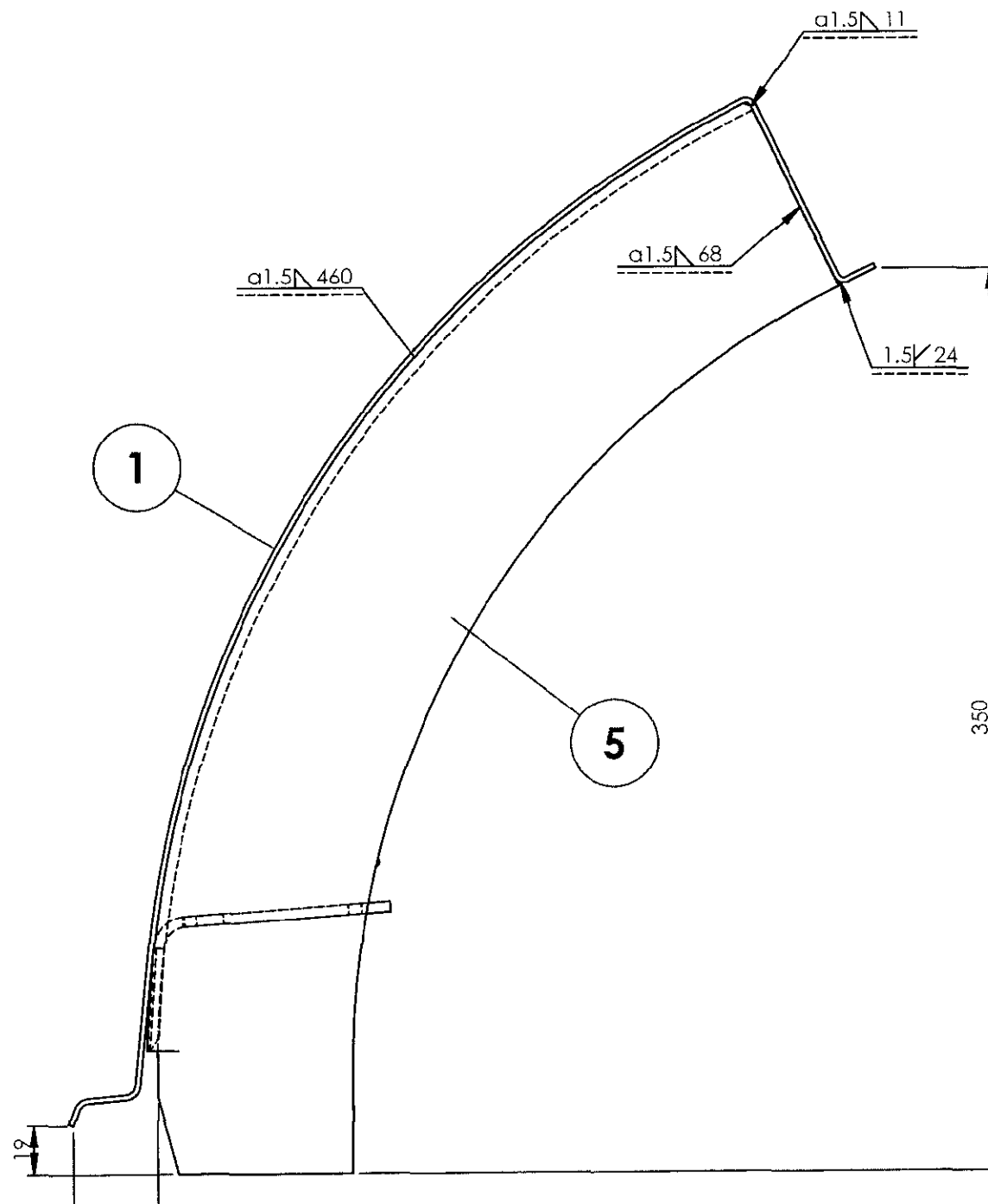
**SECTION F-F**  
**SCALE 1 : 2**



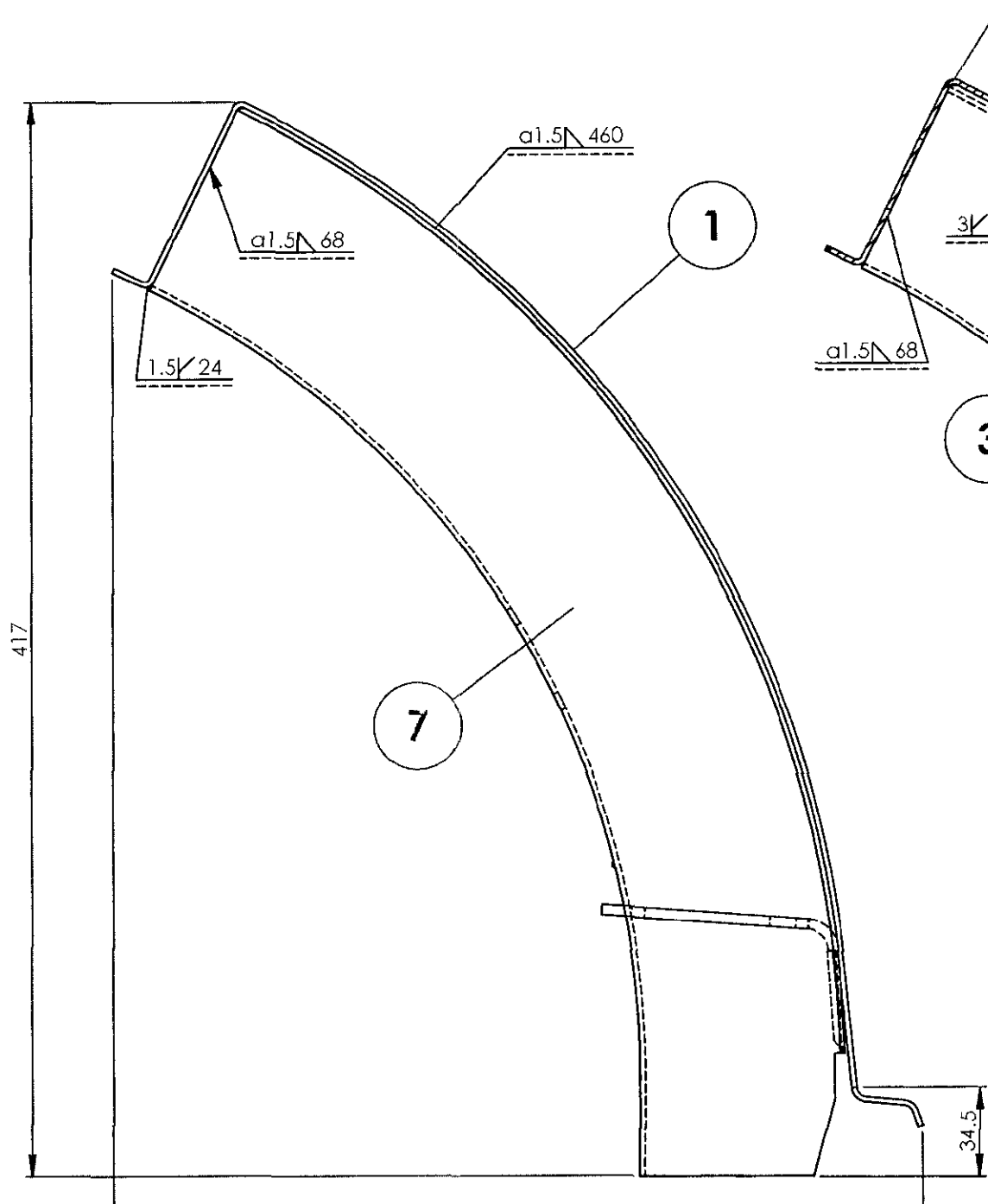
**SECTION G-G**  
**SCALE 1 : 2**



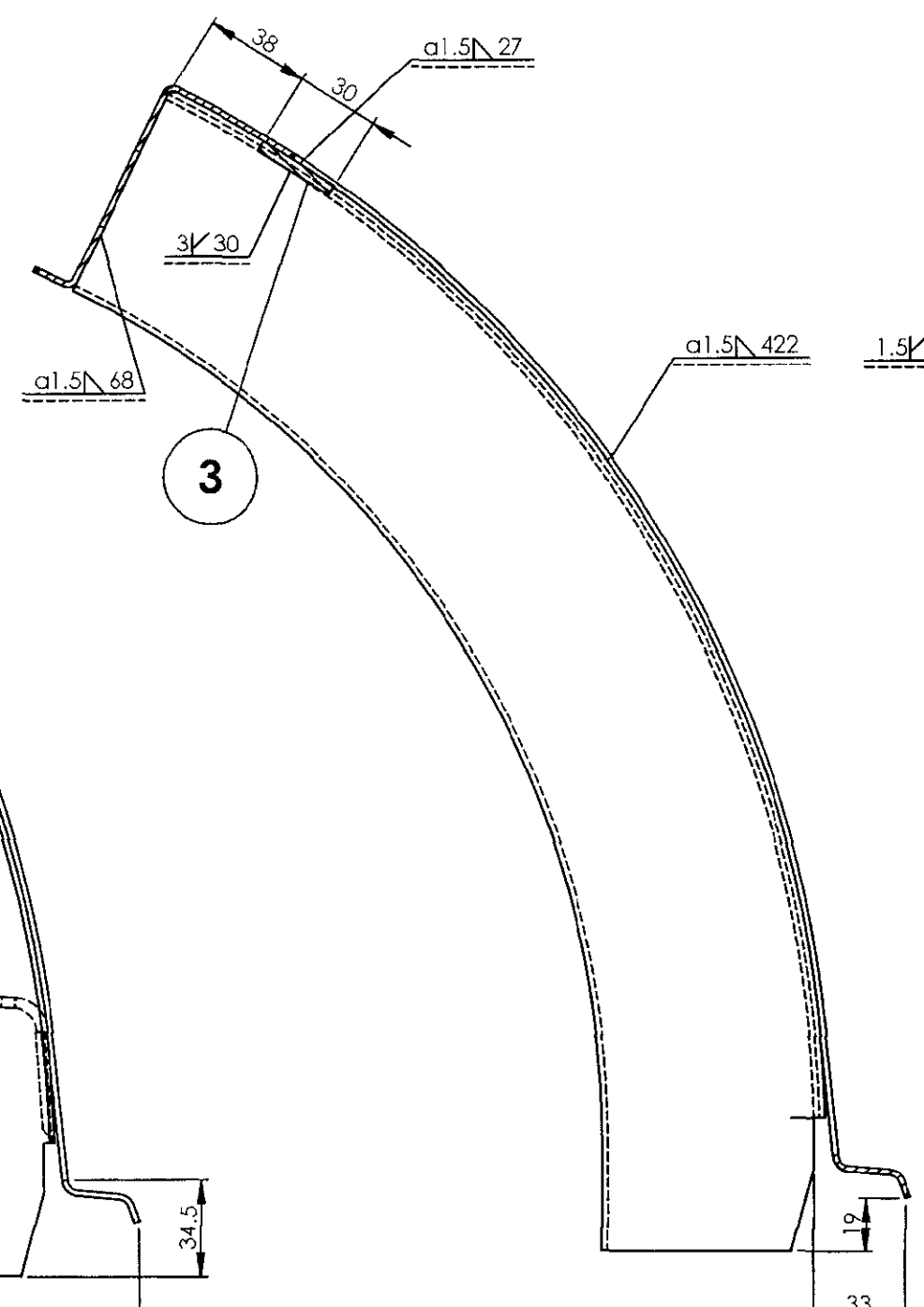
SECTION B-B  
SCALE 1 : 2.5



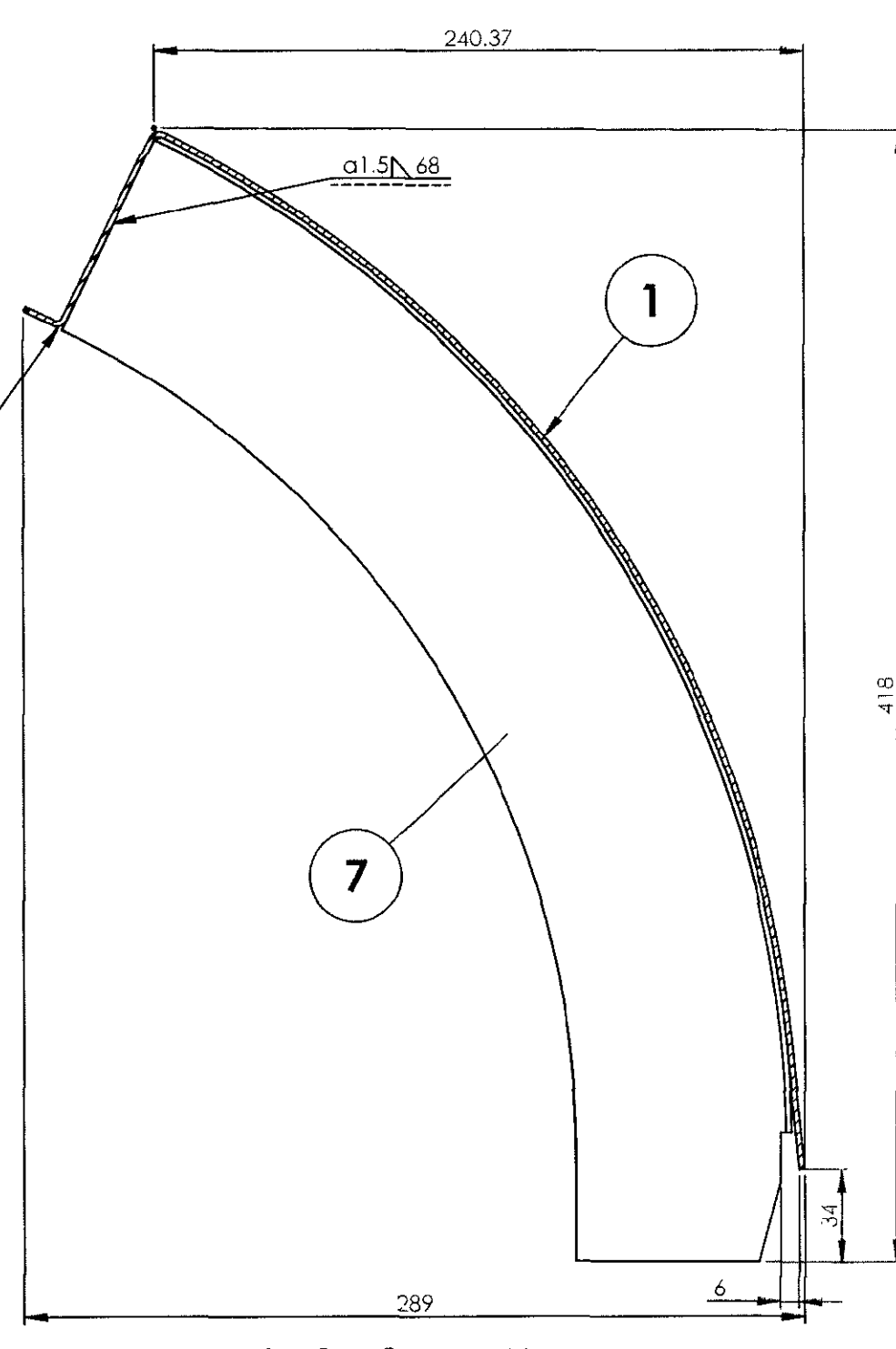
VIEW FROM Y



VIEW FROM Z



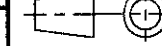
SECTION A-A  
SCALE 1 : 2.5



**SECTION H-H**  
**SCALE 1 : 2.5**

1. STAINLESS STEEL (GRADE OF S.S.) & COMPOSITION AS PER TABLE 3 OF RDSO/SPEC. C-201 SHALL BE USED FOR WELDING.
2. ALL WELD SPATERS SHALL BE GROUND.
3. ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
4. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
5. ALL WELDINGS SHALL BE TIG WELDING UNLESS OTHERWISE SPECIFIED.
6. ALL WELD PERFORMANCE CLASS SHALL BE CP C2 UNLESS OTHERWISE SPECIFIED.
7. FOR WELD TENSILE PREFERENCES REFER DRG. No. ICF/STD-9-0-998.
8. FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.

40	WELDING PIN ASSEMBLY		9	49514008		0.005	
2	ARCH		8	AAA14858		0.940	
4	ARCH		7	AAA14857		0.940	
9	ARCH		6	AAA14840		1.783	
10	ARCH		5	AAA14859		1.783	
1	STIFFENING ANGLE		4	AAA14990		1.503	
4	FLAT		3	AAA14994		0.514	
25	ARCH		2	AA14340		0.961	
1	CARLINE RIGHT (CRF)		1	AAK14498		148.03	
QTY.	DESCRIPTION	DIMENSIONS	ITEM	REF. DRGS.	MATL	WT/UNIT KGS.	REMARKS

GROUP: 1-4 Body Side Walls	SURFACE AREA In Sq.m.: 27.478	WT/ASSY IN Kgs:
<b>CARLINE RIGHT COMPLETE</b>	SCALE	SEE D <i>Person</i>
	1:15	CHD
	ALT	ALTD
	-	DR1
		TUKKIRAPANDIAN
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038	SHEET I OF I	 <b>LWLRRM/PP2</b>
		<b>83114009</b> <b>A1</b>

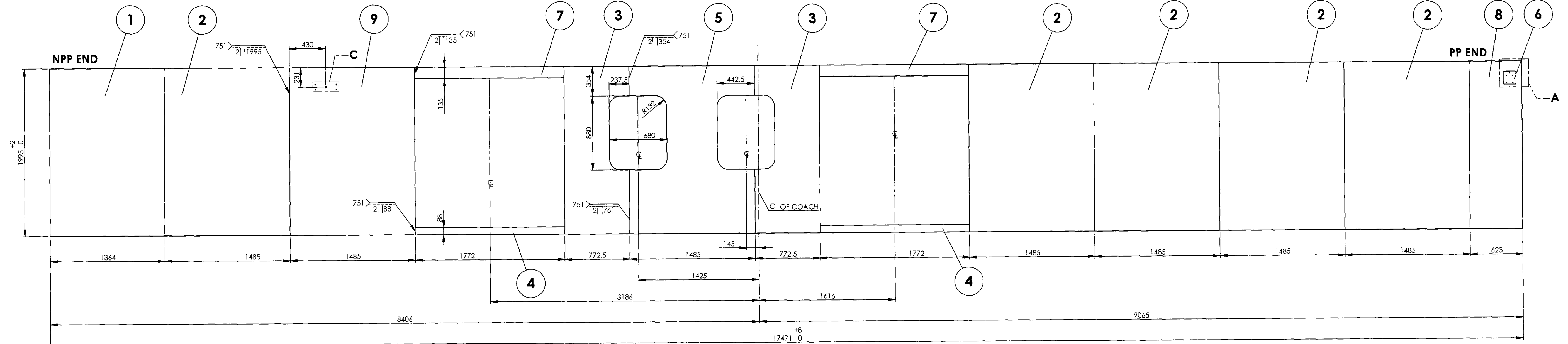
83114010

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

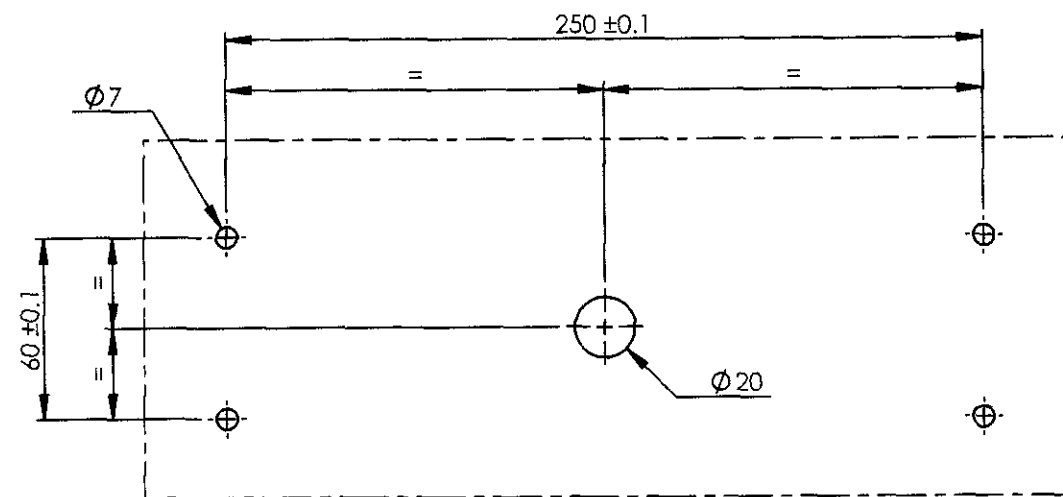
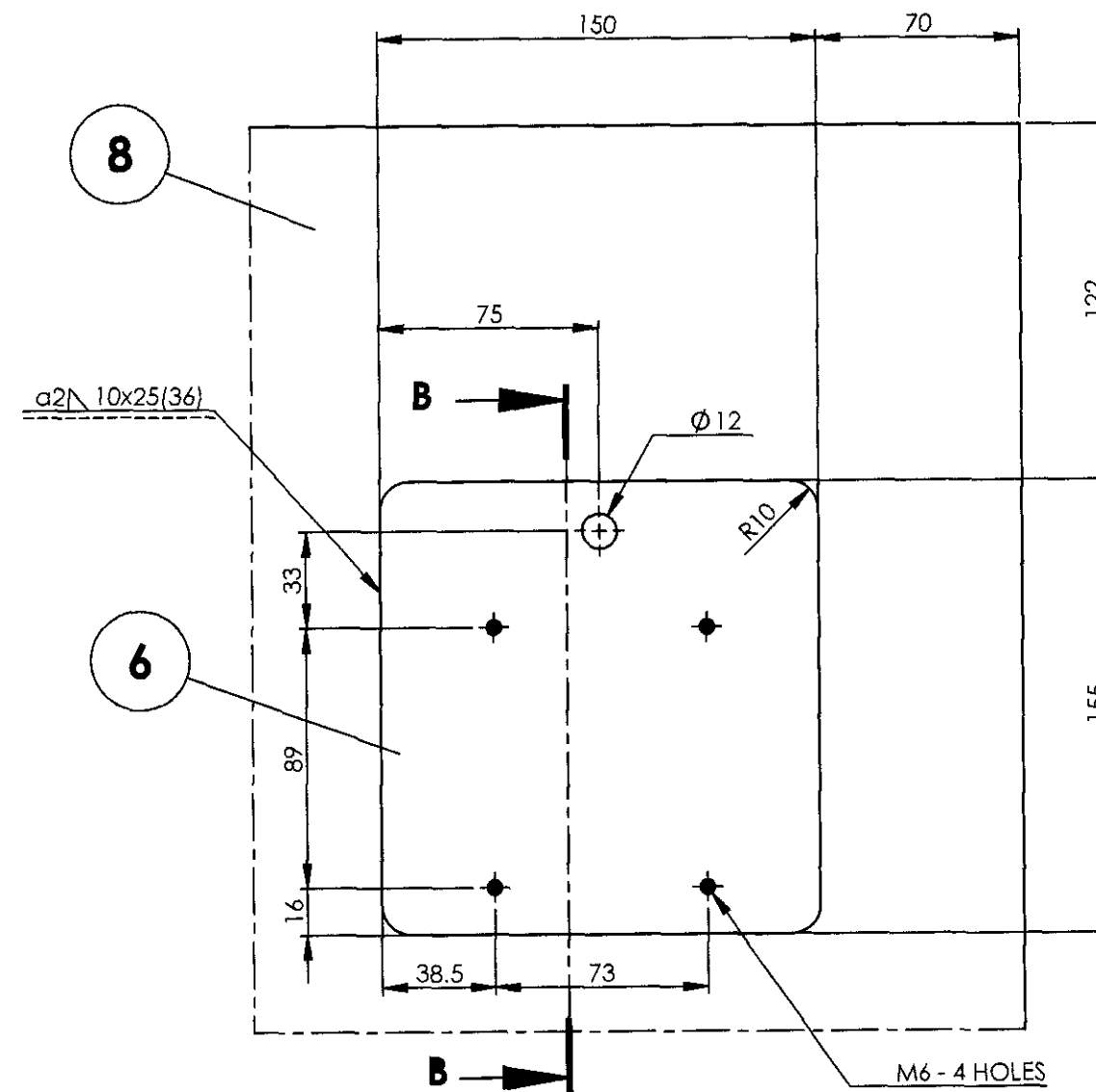
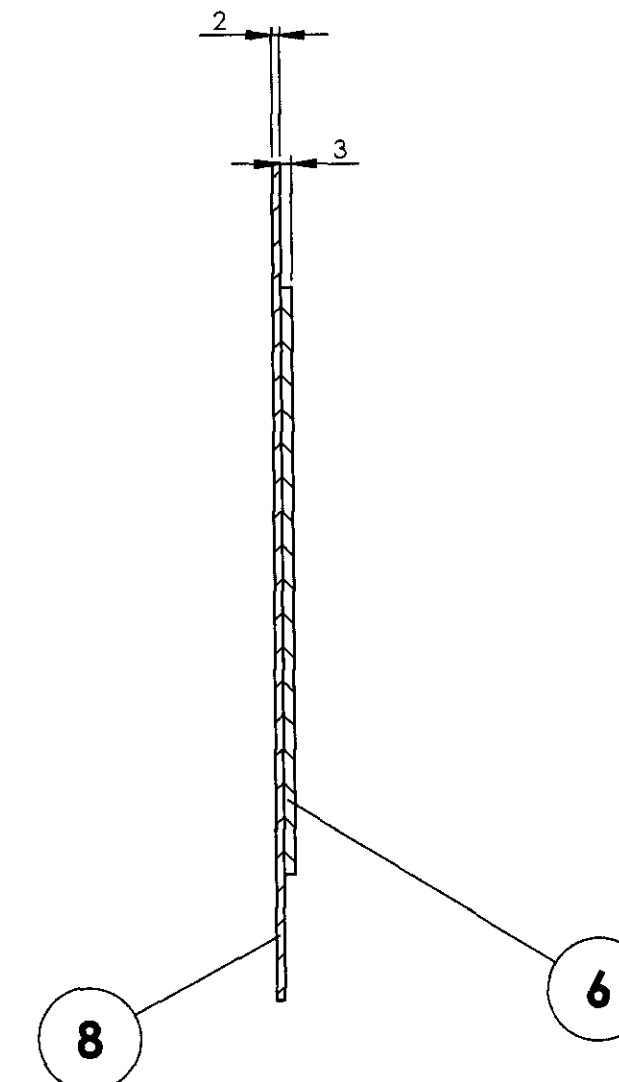
① ROUGH CLEANED  
② BURRS REMOVED  
③ CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
------	------	-------------	-----------------

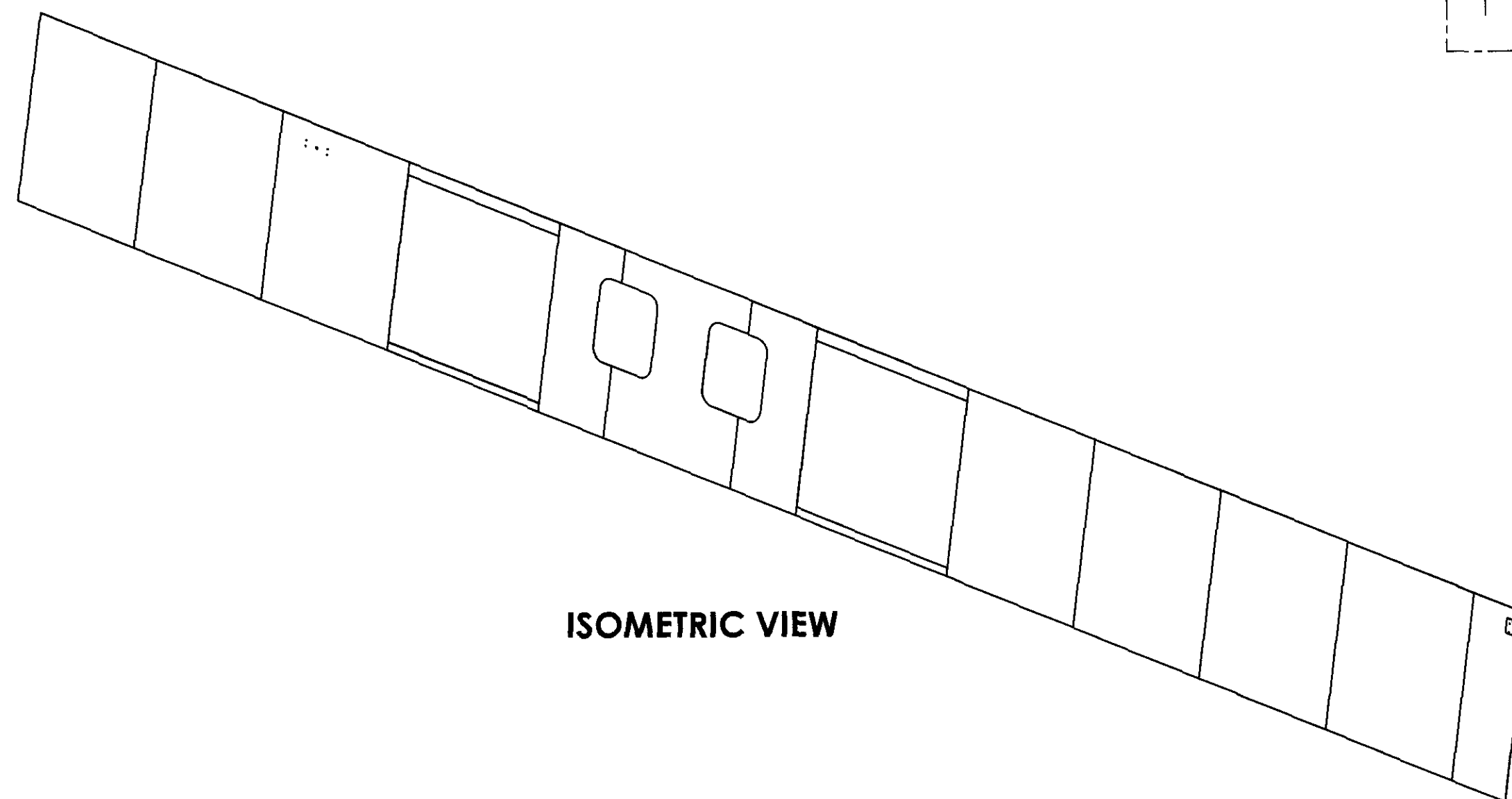


VIEW FROM X (COACH INSIDE)

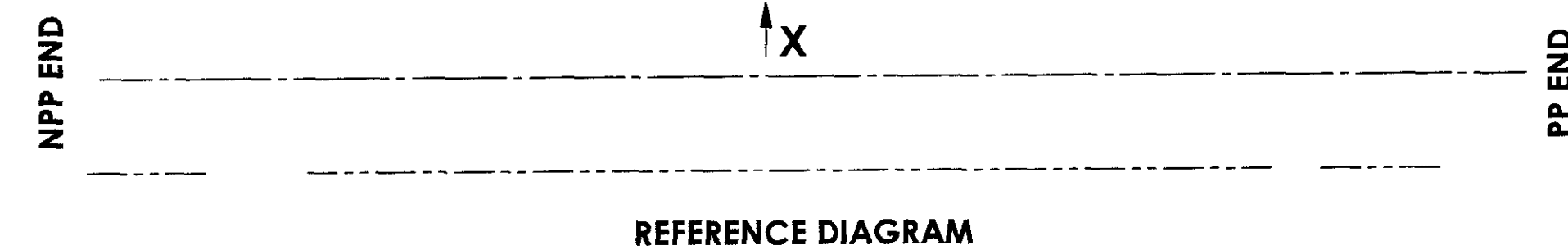
DETAIL C  
SCALE 1 : 2.5DETAIL A  
SCALE 1 : 2.5SECTION B-B  
SCALE 1 : 2

## NOTE:

- ALL WELDINGS SHALL BE LASER WELDING UNLESS OTHERWISE SPECIFIED.
- THERE SHALL NOT BE ANY EXCESS WELD METAL ON COACH OUTSIDE.
- ALL WELD SPATTERS SHALL BE BUFFED.
- ALL SHARP CORNERS SHALL BE ROUNDED OFF.
- ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
- ALL WELD PERFORMANCE CLASS SHALL BE CP C2 UNLESS OTHERWISE SPECIFIED.
- FOR WELD TESTING PREFERENCES REFER DRG. No. ICF/STD-9-0-998.
- FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.
- SIDE WALL SHEET JOINT WITH 1230mm SIZE (USING 1250mm WIDTH RM SHEET) SHALL ALSO BE PERMITTED AND JOINT SHALL BE AWAY FROM WINDOW RADIUS.



ISOMETRIC VIEW



REFERENCE DIAGRAM

1	SIDEWALL SHEET	2x1485x1995	9		RDSO/SPEC C-K201 X2CnI12	47.394	
1	SIDEWALL SHEET	2x623x1995	8		RDSO/SPEC C-K201 X2CnI12	19.886	
2	SIDEWALL SHEET	2x135x1772	7		RDSO/SPEC C-K201 X2CnI12	3.828	
1	SUPPORT FOR LIGHT	3x150x155	6		RDSO/SPEC C-K201 X2CnI12	0.551	
1	SIDEWALL SHEET	2x1485x1995	5		RDSO/SPEC C-K201 X2CnI12	35.180	
2	SIDEWALL SHEET	2x88x1772	4		RDSO/SPEC C-K201 X2CnI12	2.495	
2	SIDEWALL SHEET	2x772.5x1995	3		RDSO/SPEC C-K201 X2CnI12	21.434	
5	SIDEWALL SHEET	2x1485x1995	2		RDSO/SPEC C-K201 X2CnI12	47.401	
1	SIDEWALL SHEET	2x1364x1995	1		RDSO/SPEC C-K201 X2CnI12	43.539	
QTY.	DESCRIPTION	DIMENSION	ITEM NO.	REF. DRGS	MATL. SPEC.	WT/UNIT IN KGS	REMARKS

GROUP: 1-4 Body Side Walls		SURFACE AREA IN Sq.m.: 55.041		WT/ASSY IN Kgs:	
SCALE 1:25		SSE/D CHD		ALT. ALT. DRN	
SHEET 1 OF 1		INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038		LWLRRM/PP2	
83114010		A1			



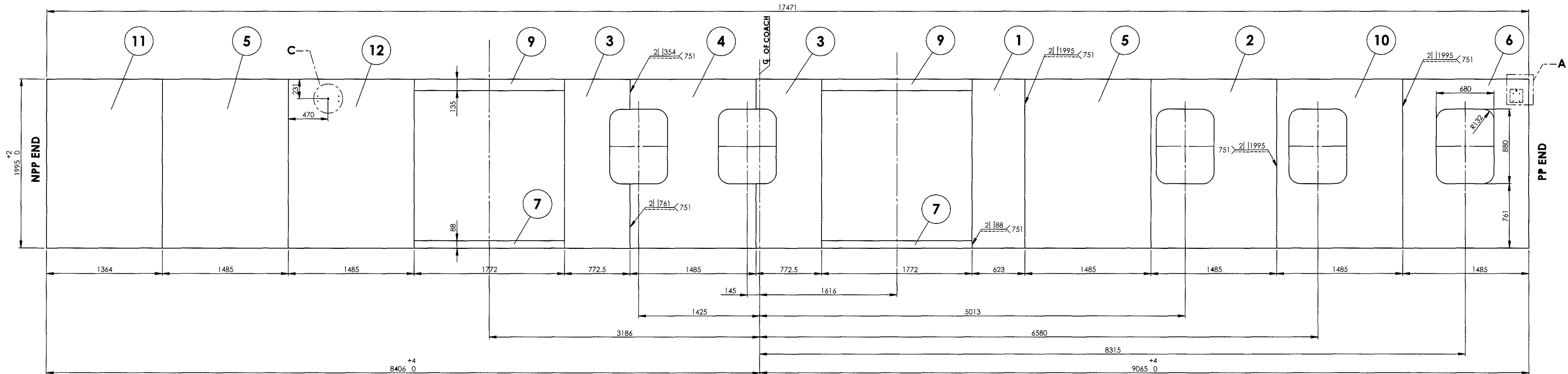
83114011

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

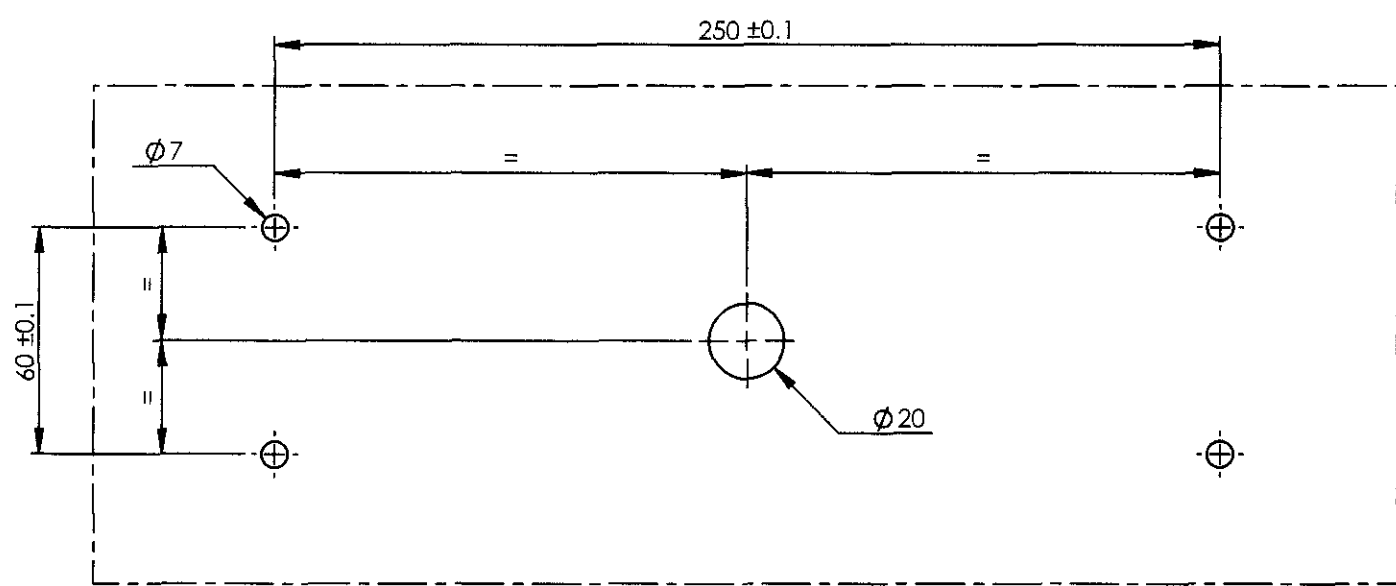
① ROUGH CLEANED  
② BURRS REMOVED  
③ CHAMFERED

REVISIONS

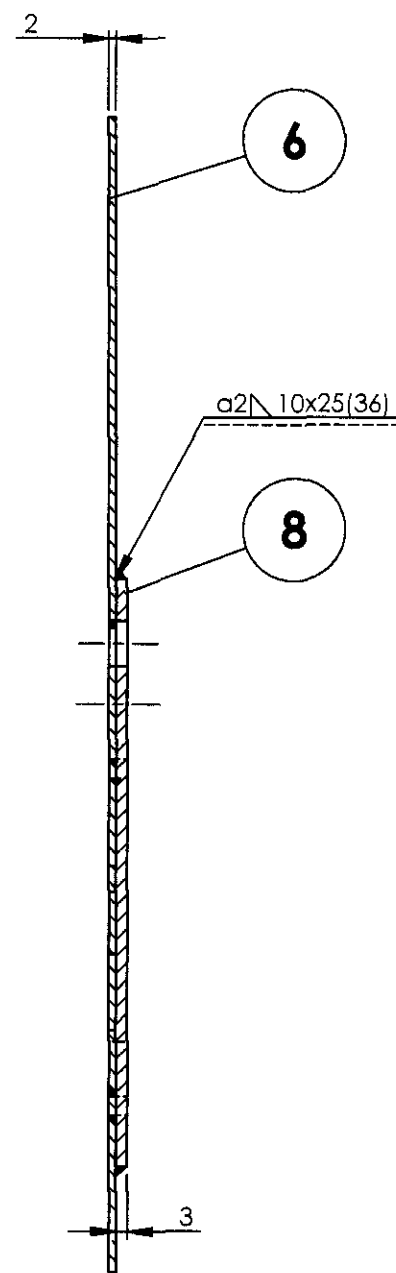
ALT. ZONE DESCRIPTION APPROVED & DATE



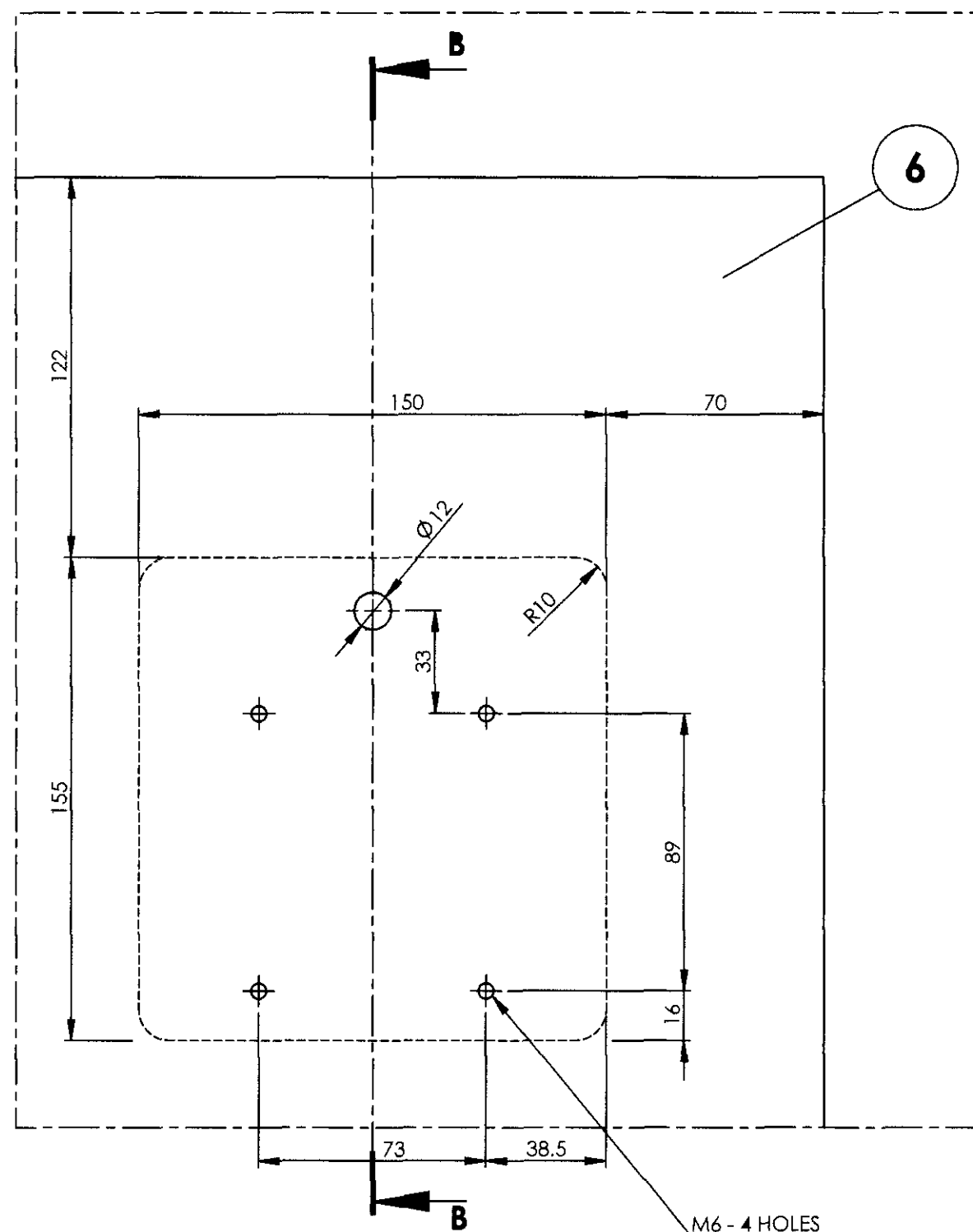
VIEW FROM X (COACH OUTSIDE)



DETAIL C  
SCALE 1 : 2



SECTION B-B  
SCALE 1:2



DETAIL A  
SCALE 1 : 2

NOTE:

1. ALL WELDINGS SHALL BE LASER WELDING UNLESS OTHERWISE SPECIFIED.
2. THERE SHALL NOT BE ANY EXCESS WELD METAL ON COACH OUTSIDE.
3. ALL WELD SPATTERS SHALL BE BUFFED.
4. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
5. ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
6. ALL WELD PERFORMANCE CLASS SHALL BE CP C2 UNLESS OTHERWISE SPECIFIED.
7. FOR WELD TESTING PREFERENCES REFER DRG. No. ICF/STD-9-0-998.
8. FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.
9. SIDE WALL SHEET JOINT WITH 1230mm SIZE (USING 1250mm WIDTH RM SHEET) SHALL ALSO BE PERMITTED AND JOINT SHALL BE AWAY FROM WINDOW RADIUS.

1	SIDEWALL SHEET	2x1485x1995	12		RDSO/SPEC C-K201 X2CnI12	47.394	
1	SIDEWALL SHEET	2x1364x1995	11		RDSO/SPEC C-K201 X2CnI12	43.539	
1	SIDEWALL SHEET	2x1485x1995	10		RDSO/SPEC C-K201 X2CnI12	38.066	
2	SIDEWALL SHEET	2x135x1772	9		RDSO/SPEC C-K201 X2CnI12	3.828	
1	SUPPORT FOR LIGHT	3x150x155	8		RDSO/SPEC C-K201 X2CnI12	0.551	
2	SIDEWALL SHEET	2x88x1772	7		RDSO/SPEC C-K201 X2CnI12	2.495	
1	SIDEWALL SHEET	2x1485x1995	6		RDSO/SPEC C-K201 X2CnI12	38.063	
2	SIDEWALL SHEET	2x1485x1995	5		RDSO/SPEC C-K201 X2CnI12	47.401	
1	SIDEWALL SHEET	2x1485x1995	4		RDSO/SPEC C-K201 X2CnI12	35.180	
2	SIDEWALL SHEET	2x772.5x1995	3		RDSO/SPEC C-K201 X2CnI12	21.434	
1	SIDEWALL SHEET	2x1485x1995	2		RDSO/SPEC C-K201 X2CnI12	38.066	
1	SIDEWALL SHEET	2x623x1995	1		RDSO/SPEC C-K201 X2CnI12	19.886	
QTY.	DESCRIPTION	DIMENSION	ITEM NO.	REF. DRGS	MATL. SPEC.	Weight/Unit in Kgs	REMARKS

GROUP: 1-4 Body Side Walls		SURFACE AREA IN Sq.m.: 51.558		WT/ASSY IN Kgs:	
SIDEWALL SHEET COMPLETE (RIGHT)		SCALE	SSE/D	CHD	
		1:25			
		ALT.	ALTD	-	
		DRN		T.Ukkirapandian	
INDIAN RAILWAY STANDARDS		SHEET		LWLRRM/PP2	
INTEGRAL COACH FACTORY, CHENNAI - 600038		1 OF 1		83114011	
				A1	

REF.DRG.NO.53814086

27-07-2025  
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 EN ISO 2553. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY.

ISOMETRIC VIEW

REFERENCE DIAGRAM

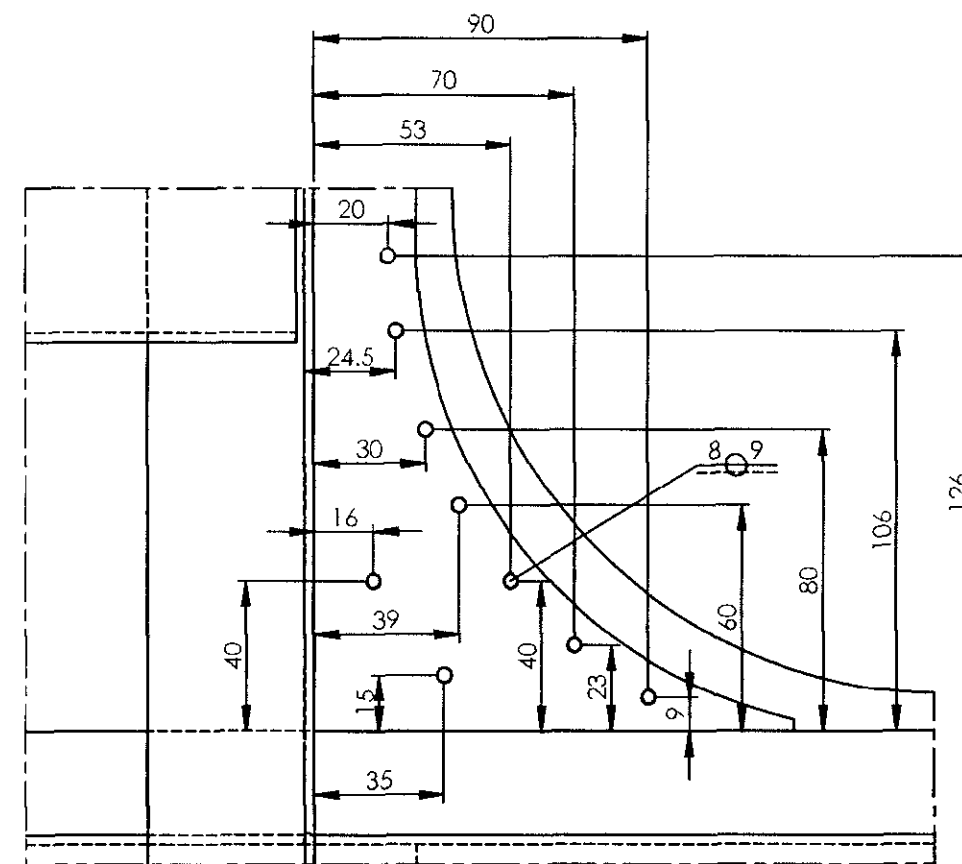
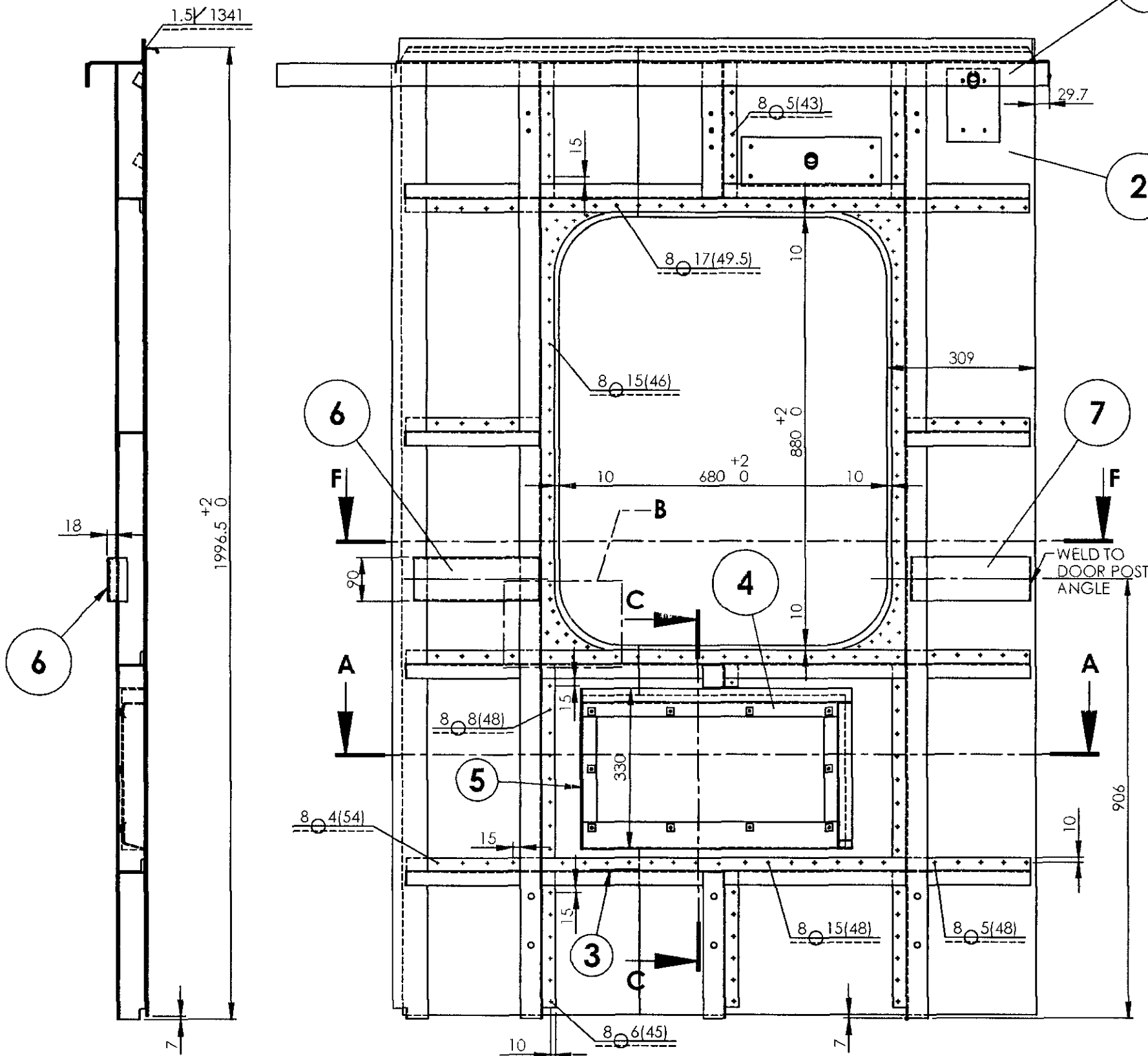
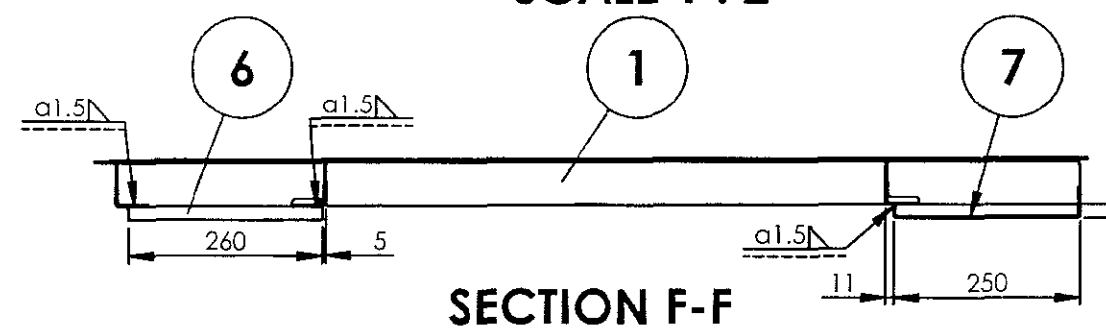


83114012

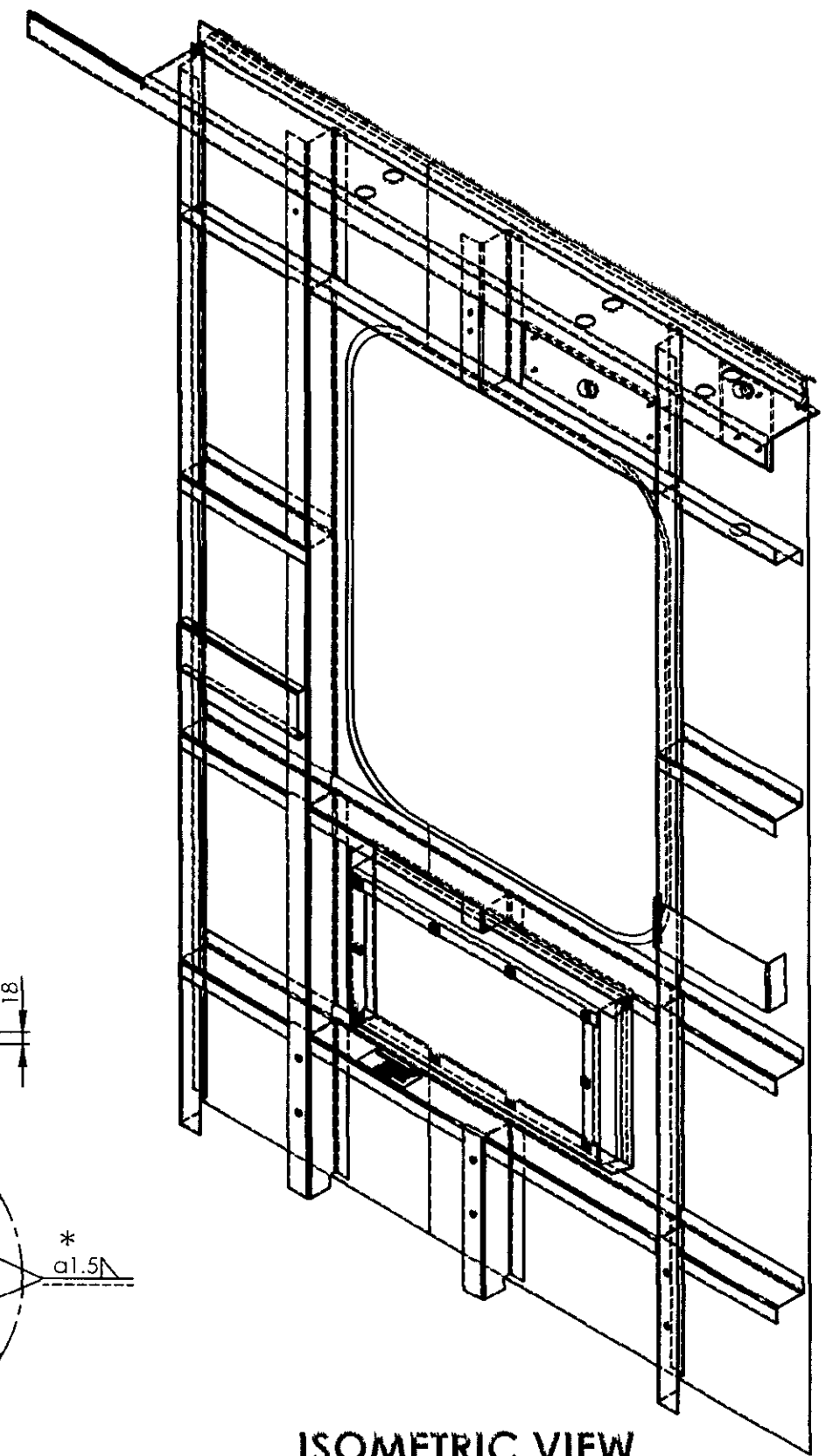
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

REVISIONS				APPROVED & DATE	
ALT.	ZONE	DESCRIPTION			

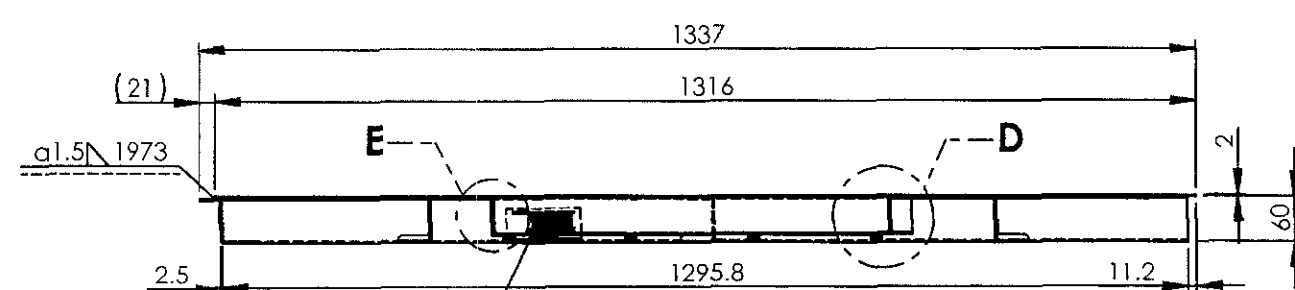
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER EN ISO 2553. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY.

DETAIL B  
SCALE 1 : 2

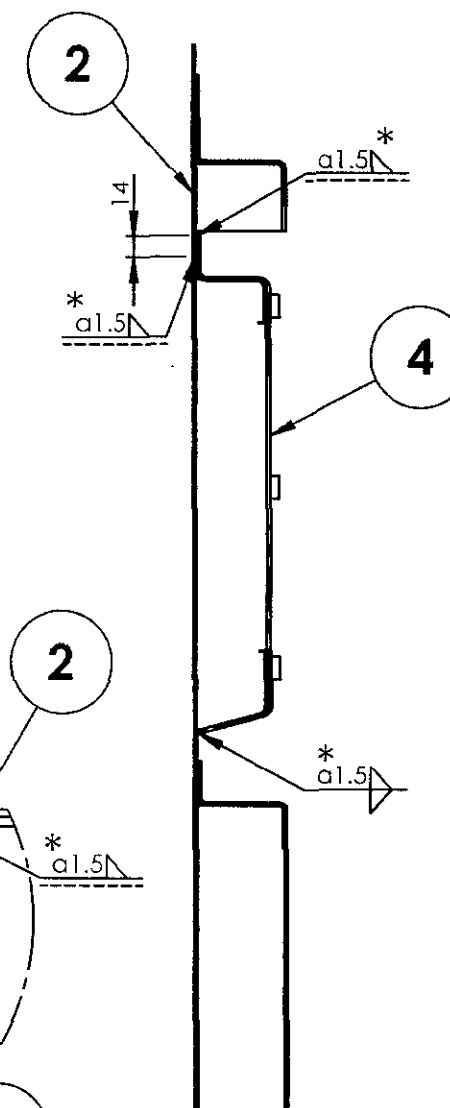
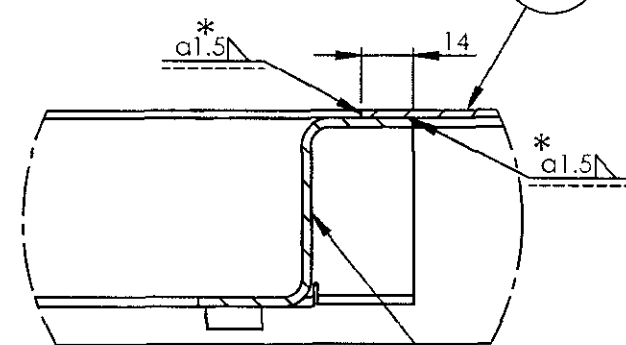
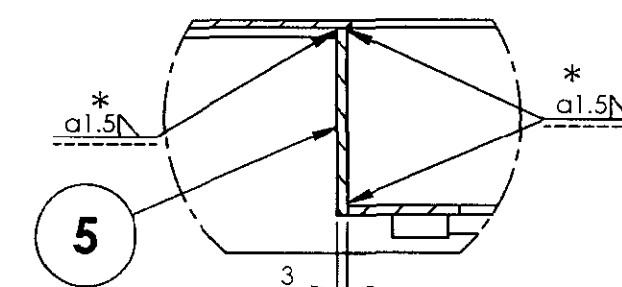
SECTION F-F



ISOMETRIC VIEW



SECTION A-A

SECTION C-C  
SCALE 1 : 5DETAIL D  
SCALE 1 : 2DETAIL E  
SCALE 1 : 2**NOTE:**

- ALL WELDINGS SHALL BE TIG WELDING UNLESS OTHERWISE SPECIFIED.
- STAINLESS STEEL ELECTRODE OF SAME COMPOSITION AS PER TABLE 3 OF RDSO/SPEC C-K201 SHALL BE USED FOR WELDING.
- ALL WELD SPATTERS SHALL BE GROUND.
- ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
- ALL SHARP CORNERS SHALL BE ROUNDED OFF.
- FINISHED ASSEMBLY SHALL BE APPLIED WITH (AIRLESS SPRAY) ECO FRIENDLY WATER BASED MODIFIED EPOXY ZINC PHOSPHATE ETCH PRIMER TO ICF/MD/SPEC-231.
- ITEM-3 (NAME PLATE) SHALL BE WELDED OR RIVETED AT SUITABLE LOCATION AS SHOWN IN THE DRAWING IF PROCURED FROM TRADE.
- ALL WELD PERFORMANCE CLASS SHALL BE CP C2 UNLESS OTHERWISE SPECIFIED.
- FOR WELD TESTING PREFERENCES REFER DRG. No. ICF/STD-9-0-998.
- FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.
- WELDINGS MARKED THUS \* SHALL BE WATER LEAK PROOF.
- ITEM-7 TO BE SUPPLIED AS LOOSE ITEM AND WELDED AT BODY SHELL ASSEMBLY STAGE.

REF.DRG.NO.1 10113.0.20.110.004 A11 B / LP14432

DATE OF LATEST ALT.	28-07-2025	AME/SME
---------------------	------------	---------

QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS
1	CHANNEL		7	AAK14703		539.61	
1	CHANNEL		6	AAK14702		412.46	
1	COVER SHEET	3x50x330	5		RDSO SPEC C-K201 X2 Cr Ni 12	394.00	
1	FRAME COMPLETE		4	49515012		2.849	
1	NAME PLATE FOR SUPPLIER IDENTIFICATION		3	AAA51072		0.043	
1	LAV. SIDE WALL SHEET ASSEMBLY LEFT		2	83114014		32.150	
1	FRAME WORK COMPLETE-SIDEWALL RIGHT NPP END		1	83114015		34.838	
GROUP: 1-4 Body Side Walls				SURFACE AREA IN Sq.m: 7.627		WT/ASSY IN Kgs:	
SIDEWALL NPP END RIGHT COMPLETE				SCALE 1:10	SSE/D	T. Ukkirapandian	
				ALT	CHD		
				ALTD			
				DRN			
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		LWLRMM/PP2	
INTEGRAL COACH FACTORY, CHENNAI - 600038				83114012		A2	

83114013

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

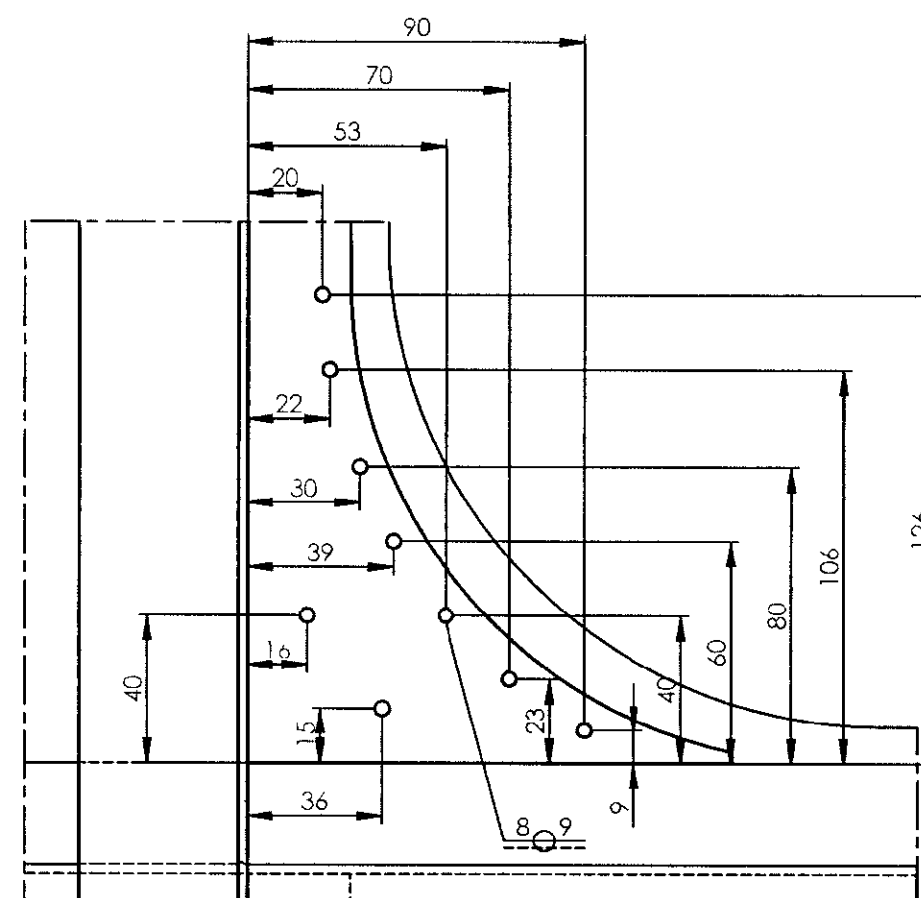
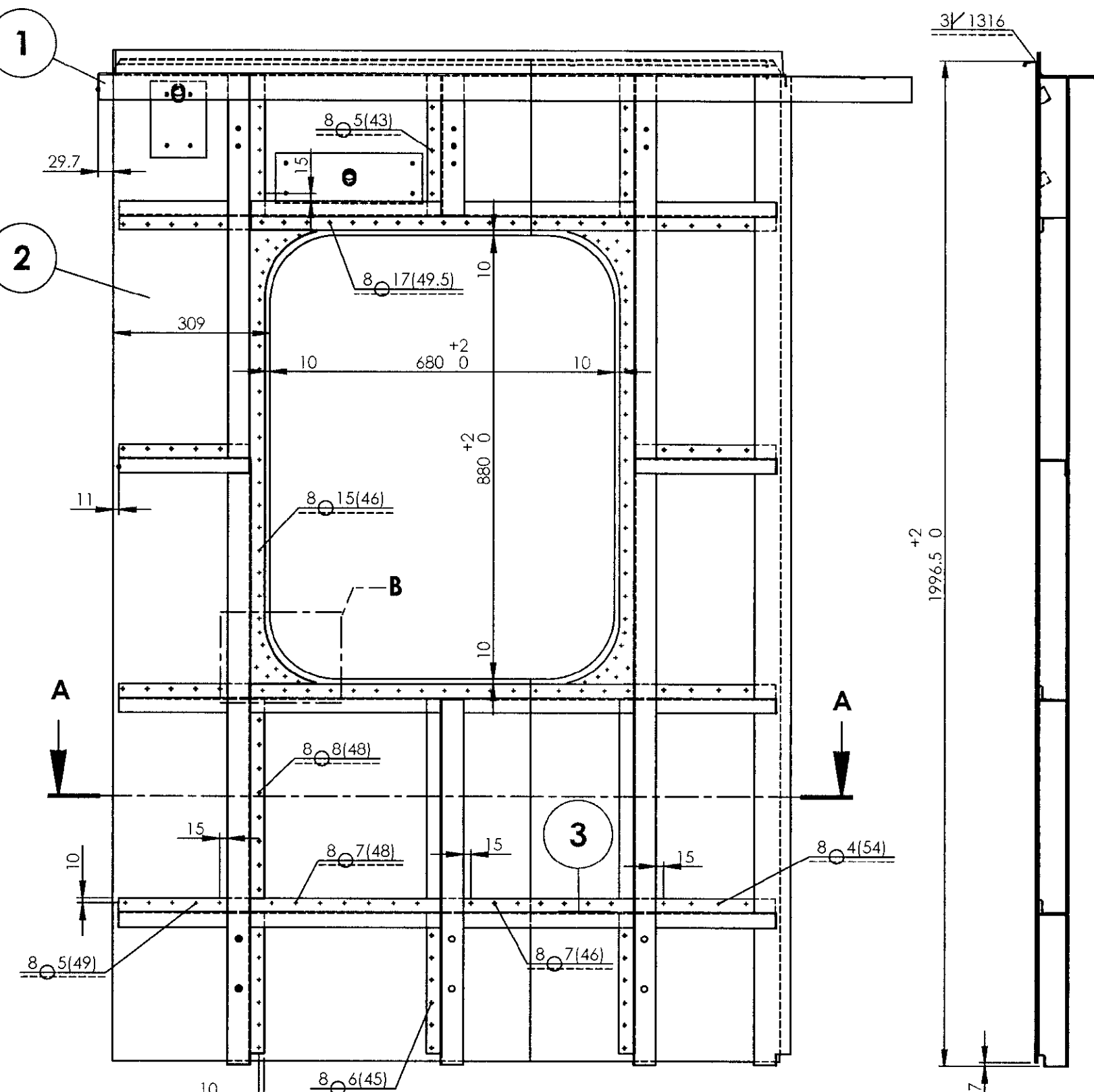
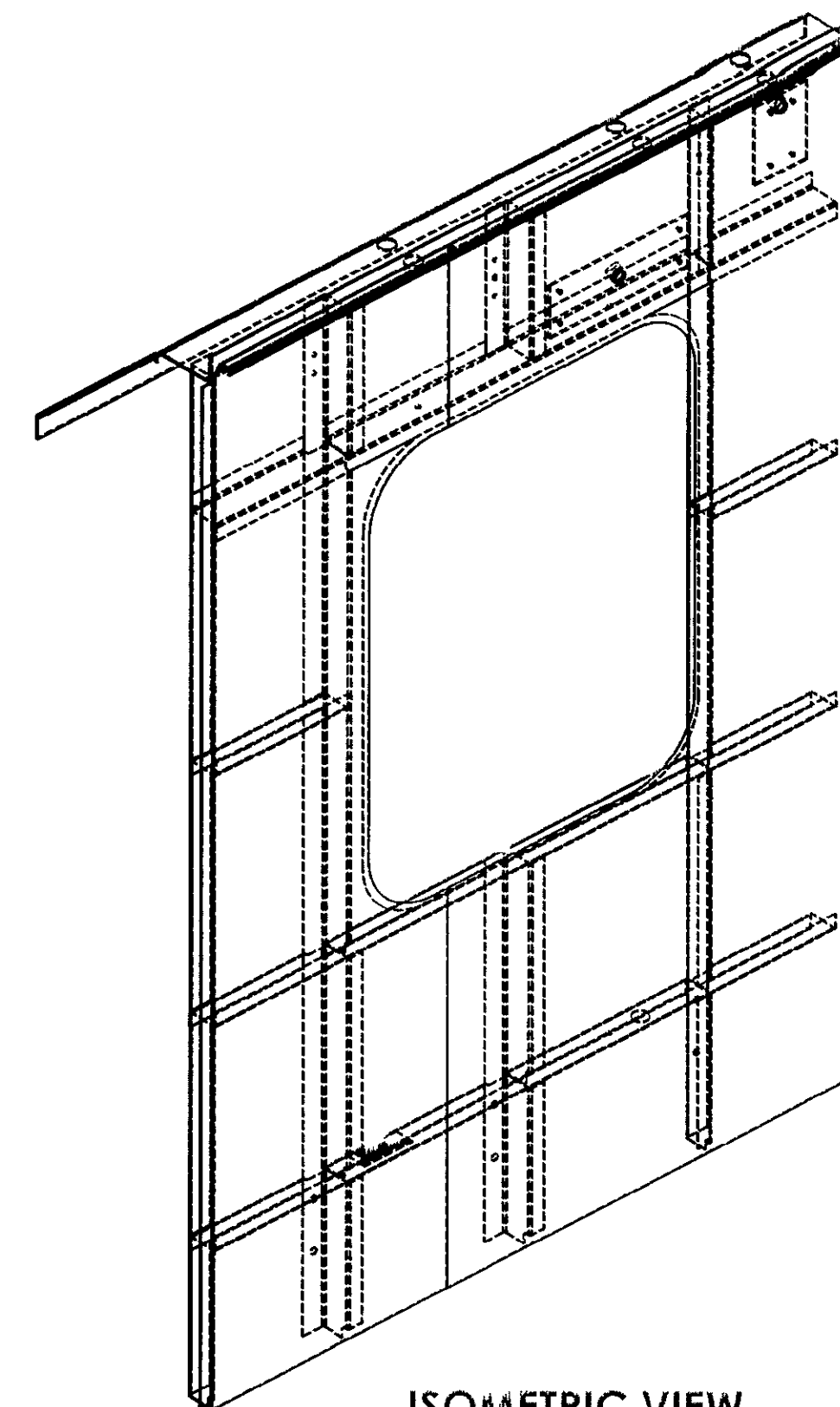
①1 ROUGH CLEANED  
①16 BURRS REMOVED  
①8 CHAMFERED

REVISIONS

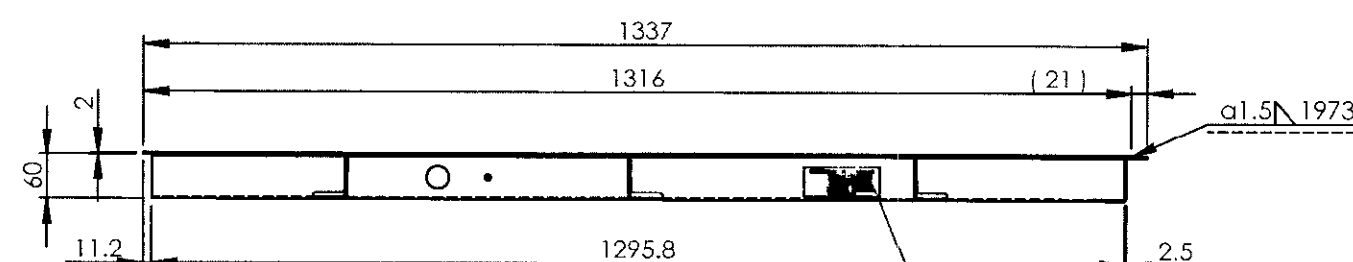
ALT.

ZONE

DESCRIPTION

APPROVED &  
DATEDETAIL B  
SCALE 1 : 2

ISOMETRIC VIEW



SECTION A-A

3

## NOTE:

- ALL WELDINGS SHALL BE TIG WELDING UNLESS OTHERWISE SPECIFIED.
- STAINLESS STEEL ELECTRODE OF SAME COMPOSITION AS PER TABLE-3 OF RDSO/SPEC C-K201 SHALL BE USED FOR WELDING.
- ALL WELD SPATTERS SHALL BE GROUND.
- ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
- ALL SHARP CORNERS SHALL BE ROUNDED OFF.
- FINISHED ASSEMBLY SHALL BE APPLIED WITH (AIRLESS SPRAY) ECO FRIENDLY WATER BASED MODIFIED EPOXY ZINC PHOSPHATE ETCH PRIMER TO ICF/MD/SPEC-231.
- ITEM-3 (NAME PLATE) SHALL BE WELDED OR RIVETTED AT SUITABLE LOCATION AS SHOWN IN THE DRAWING IF PROCURED FROM TRADE.
- ALL WELD PERFORMANCE CLASS SHALL BE CP C2 UNLESS OTHERWISE SPECIFIED.
- FOR WELD TESTING PREFERENCES REFER DRG. No. ICF/STD-9-0-998.
- FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.

REF.DRG.NO.1 10113.0.20.110.003 Alt B

1	NAME PLATE FOR SUPPLIER IDENTIFICATION		3	AAA51072		0.043	
1	LAV. SIDE WALL SHEET ASSEMBLY RIGHT		2	75514022		34.897	
1	FRAME WORK COMPLETE - SIDEWALL LEFT NPP END		1	53814014		35.923	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS

GROUP: 1-4 Body Side Walls

SURFACE AREA IN Sq.m : 7.615

WT/ASSY IN Kgs:

## SIDEWALL NPP END LEFT COMPLETE

SCALE 1:10

SSE/D

CHD

ALT

ALTD

DRN

T.Ukkirapandian

INDIAN RAILWAY STANDARDS

INTEGRAL COACH FACTORY, CHENNAI - 600038

SHEET  
1 OF 1

83114013

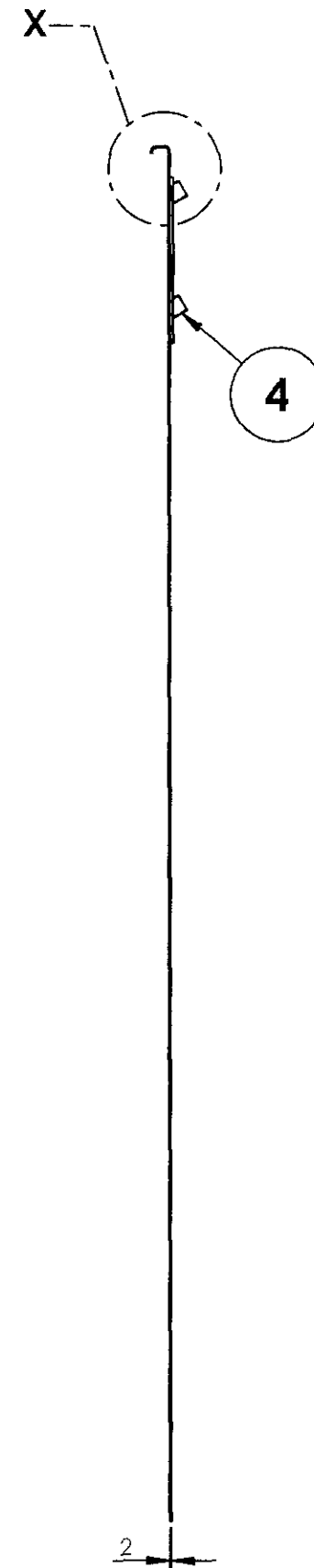
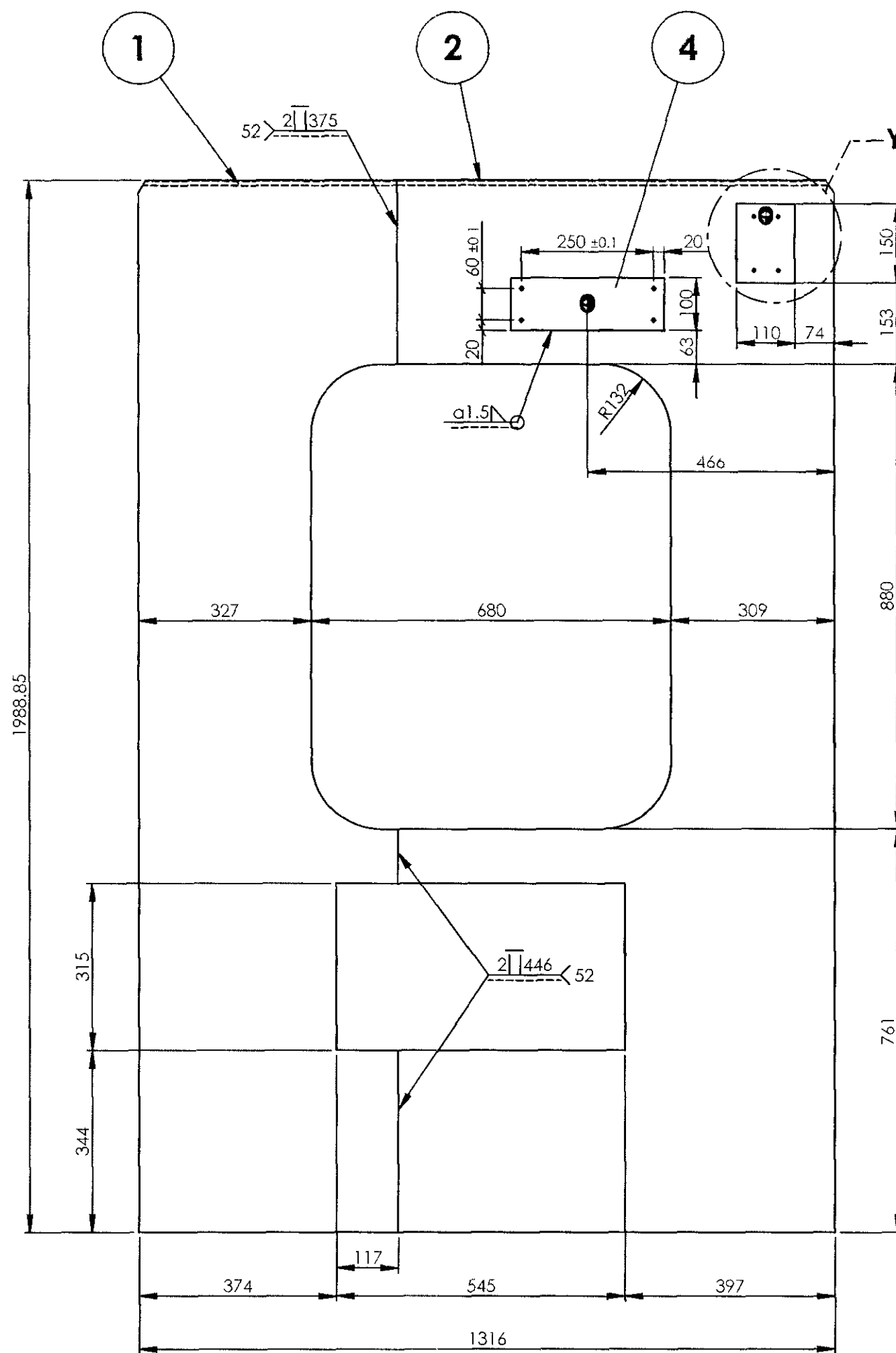
A2

-	28-07-2025	
DATE OF LATEST ALT	DATE OF FIRST ISSUE	AME/SME

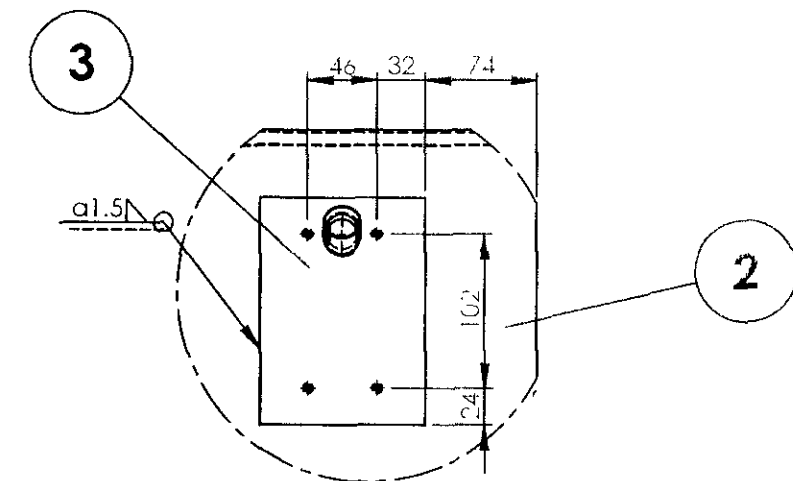
83114014

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

REVISIONS				
ALT.	ZONE	DESCRIPTION		APPROVED & DATE



DETAIL X  
SCALE 1 : 1



DETAIL Y  
SCALE 1 : 5

**NOTE:**

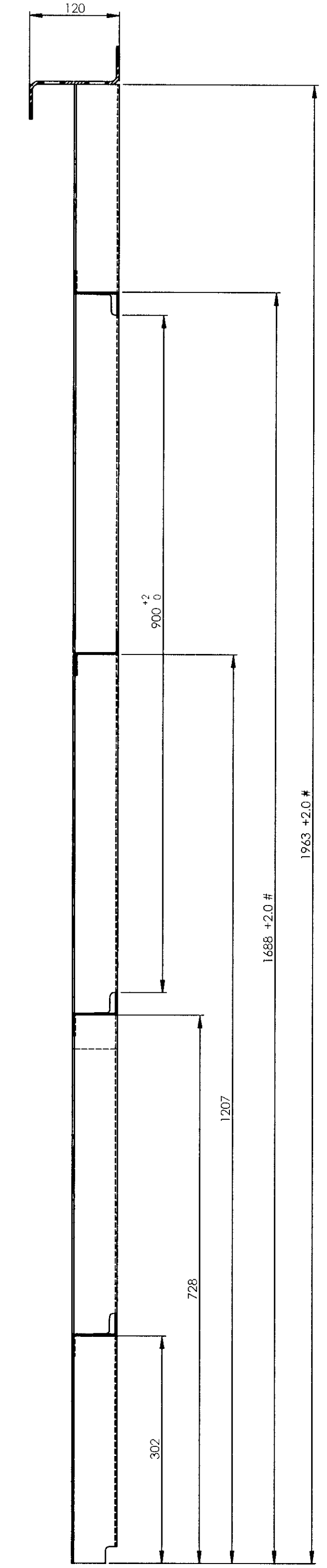
1. ALL WELDINGS SHALL BE LASER WELDING UNLESS OTHERWISE SPECIFIED.
2. ALL WELD SPATTERS SHALL BE BUFFED.
3. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
4. ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
5. ALL WELD PERFORMANCE CLASS SHALL BE CP C2 UNLESS OTHERWISE SPECIFIED.
6. 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. SIDE WALL SHEET WITHOUT JOINT SHALL ALSO BE PERMITTED.
9. ALL THE THREADED HOLES SHALL BE PROVIDED WITH SUITABLE DUMMY BOLTS TO SAFEGUARD THREADS.

1	BACKPIECE FOR EXTERNAL EMERGENCY LIGHT FIXING		4	AAJ14482		1.155	
1	BACKPIECE FOR PACIL		3	AAA14904		0.655	
1	LAV. SIDE WALL SHEET		2	AAJ14483		19.444	
1	LAV. SIDE WALL SHEET		1	AAA14810		13.642	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS
GROUP: 1-4 Body Side Walls				SURFACE AREA IN Sq.m.: 3.921		WT/ASSY IN Kgs.	
LAV. SIDE WALL SHEET ASSEMBLY LEFT					SCALE 1:10	SSE/D	CHD
					ALT	ALTD	DRN
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038					LWLRRM/PP2		
					83114014		
SHEET 1 OF 1					A2		

DATE OF LATEST ALT	28-07-2025	AME/SME
--------------------	------------	---------

REF.DRG.NO.LR14374

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.



**SECTION B-B**  
**SCALE 1 : 2**

**SECTION C-C**  
**SCALE 1 : 2**

**SECTION D-D**  
**SCALE 1 : 2**

**SECTION J-J**  
**SCALE 1 : 2**

**SECTION F-F**  
**SCALE 1 : 2**

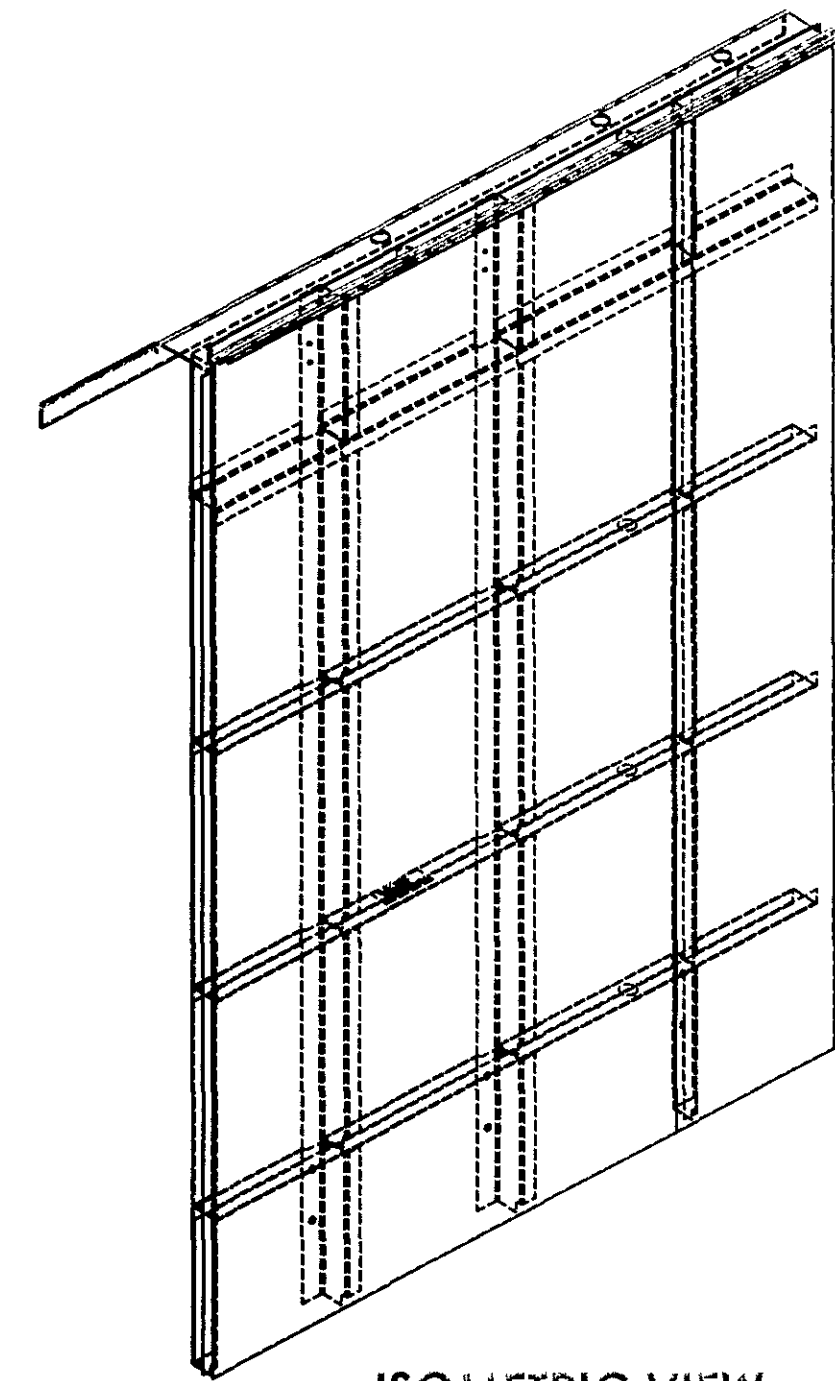
1. STAINLESS STEEL ELECTRODE OF SAME COMPOSITION AS PER TABLE-3 OF RDSO/SPEC C-K201 SHALL BE USED FOR WELDING.
2. ALL WELD SPATTERS SHALL BE GROUND.
3. ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
4. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
5. ALL WELDINGS SHALL BE TIG WELDING UNLESS OTHERWISE SPECIFIED.
6. ALL WELD PERFORMANCE CLASS SHALL BE CP C2 UNLESS OTHERWISE SPECIFIED.
7. FOR WELD TESTING PREFERENCES REFER DRG. No. ICF/STD-9-0-998.
8. FOR WELD PROCEDURE SPECIFICATION REFER DRG No. ICF/STD-9-0-999.

1	PART PILLAR		12	AAK14705		0.114	
1	VERTICAL PILLAR		11	AAC14907		0.402	
1	ROOF FLANGE		10	AAA14370		8.984	
1	PILLAR		9	AAA14937		0.495	
1	HORIZONTAL MEMBER		8	AAA14947		0.422	
1	HORIZONTAL MEMBER		7	AAA14951		0.576	
1	HORIZONTAL MEMBER		6	AAA14949		2.796	
1	HORIZONTAL MEMBER		5	AAA14948		2.805	
1	HORIZONTAL MEMBER		4	AAA14946		2.788	
1	PILLAR		3	AAA14938		4.854	
1	PILLAR		2	AAA14934		5.001	
1	PILLAR		1	AAA14933		5.001	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/IN KGS	REMARKS
GROUP: 1-4 Body Side Walls			SURFACE AREA IN Sq.m.: 3.248		WT/ASSY IN Kgs:		
FRAME WORK COMPLETE- SIDEWALL RIGHT NPP END					SCALE 1:5	CHD	
					ALT.	ALTD	
					-	GRN	
					I.Lukkupandian		
					LWLRRM/PP2		
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1	83114015		A1
INTEGRAL COACH FACTORY, CHENNAI - 600038							



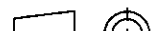
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICF/SID-9-00001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER EN ISO 2553. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY.


REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

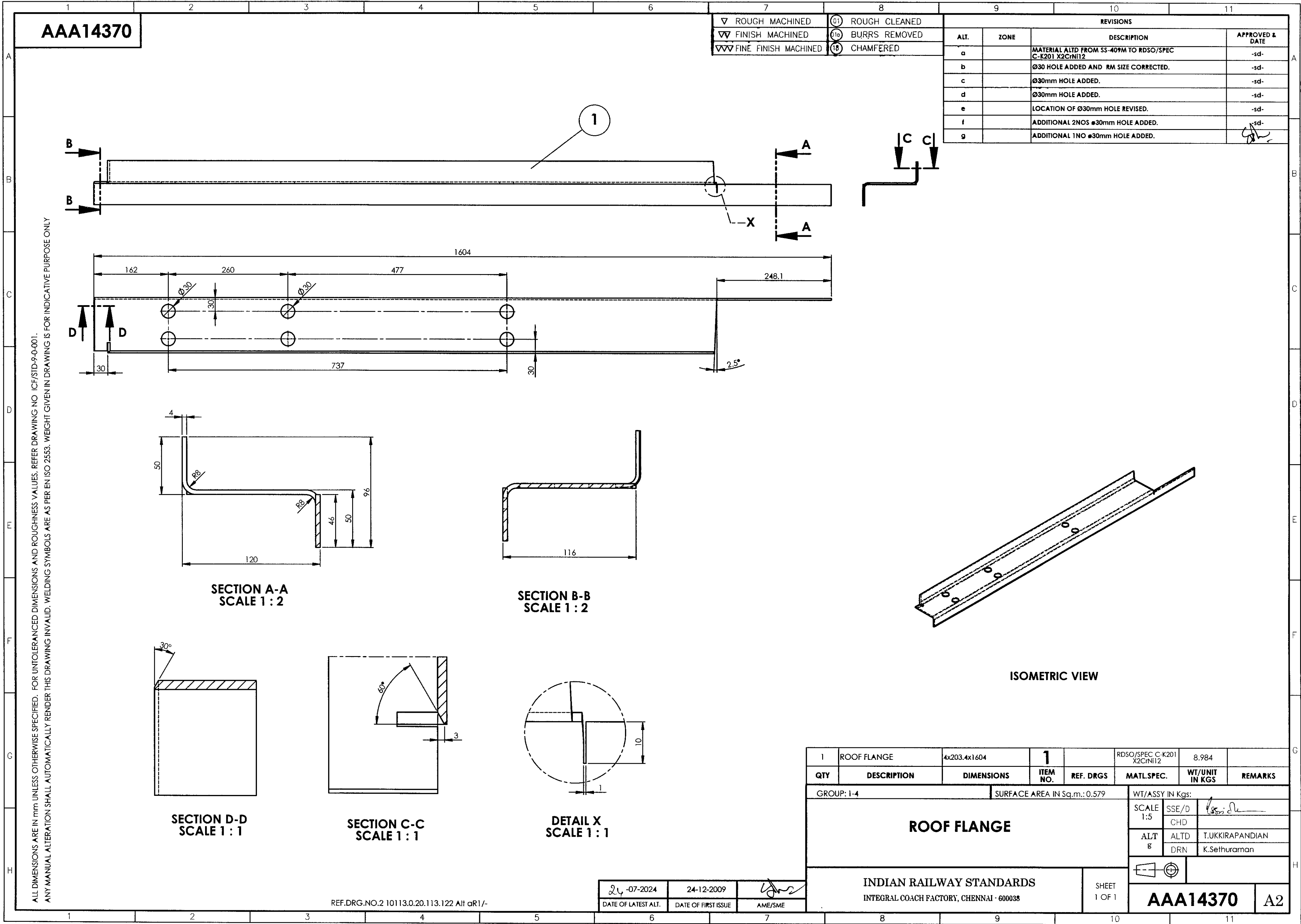


**SECTION A-A**

1. ALL WELDINGS SHALL BE TIG WELDING UNLESS OTHERWISE SPECIFIED.
2. STAINLESS STEEL ELECTRODE OF SAME COMPOSITION AS PER TABLE-3 OF RDSO/SPEC C-K201 SHALL BE USED FOR WELDING.
3. ALL WELD SPATTERS SHALL BE GROUND.
4. ALL WELDED JOINTS SHALL BE PICKLED AND PASSIVATED BEFORE SURFACE TREATMENT.
5. ALL SHARP CORNERS SHALL BE ROUNDED OFF.
6. FINISHED ASSEMBLY SHALL BE APPLIED WITH (AIRLESS SPRAY) ECO FRIENDLY WATER BASED MODIFIED EPOXY ZINC PHOSPHATE ETCH PRIMER TO ICF/MD/SPEC-231.
7. ITEM-3 (NAME PLATE) SHALL BE WELDED OR RIVETED AT SUITABLE LOCATION AS SHOWN IN THE DRAWING IF PROCURED FROM TRADE.
8. ALL WELD PERFORMANCE CLASS SHALL BE CP C2 UNLESS OTHERWISE SPECIFIED.
9. FOR WELD TESTING PREFERENCES REFER DRG. No. ICF/STD-9-0-998.
10. FOR WELD PROCEDURE SPECIFICATION REFER DRG. No. ICF/STD-9-0-999.

GROUP: 1-4 Body Side Walls		SURFACE AREA IN Sq.m.: 9.155		WT/ASSY IN Kgs:	
SIDEWALL PP END RIGHT COMPLETE				SCALE 1:10	CSE, D <i>[Signature]</i>
					CHD
				ALT	ALTD
				DRN	T.Ukkirapandian
INDIAN RAILWAY STANDARDS			SHEET 1 OF 1	 <b>LWLRRM/PP2</b>	
INTEGRAL COACH FACTORY, CHENNAI - 600038				<b>83114016</b>	<b>A2</b>

	28-07-2025	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

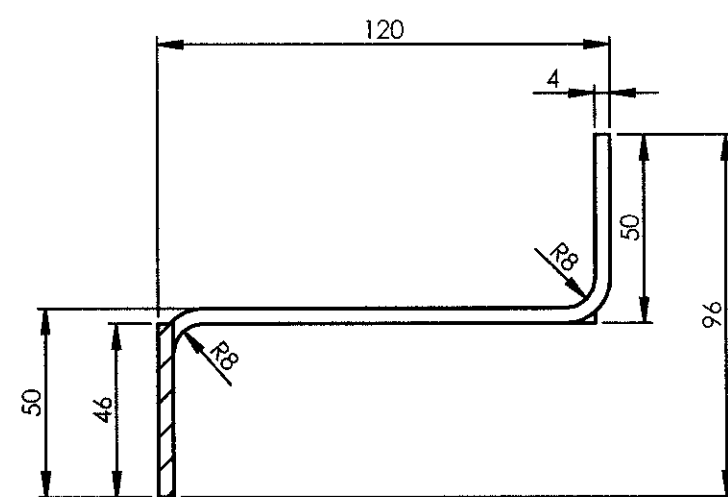
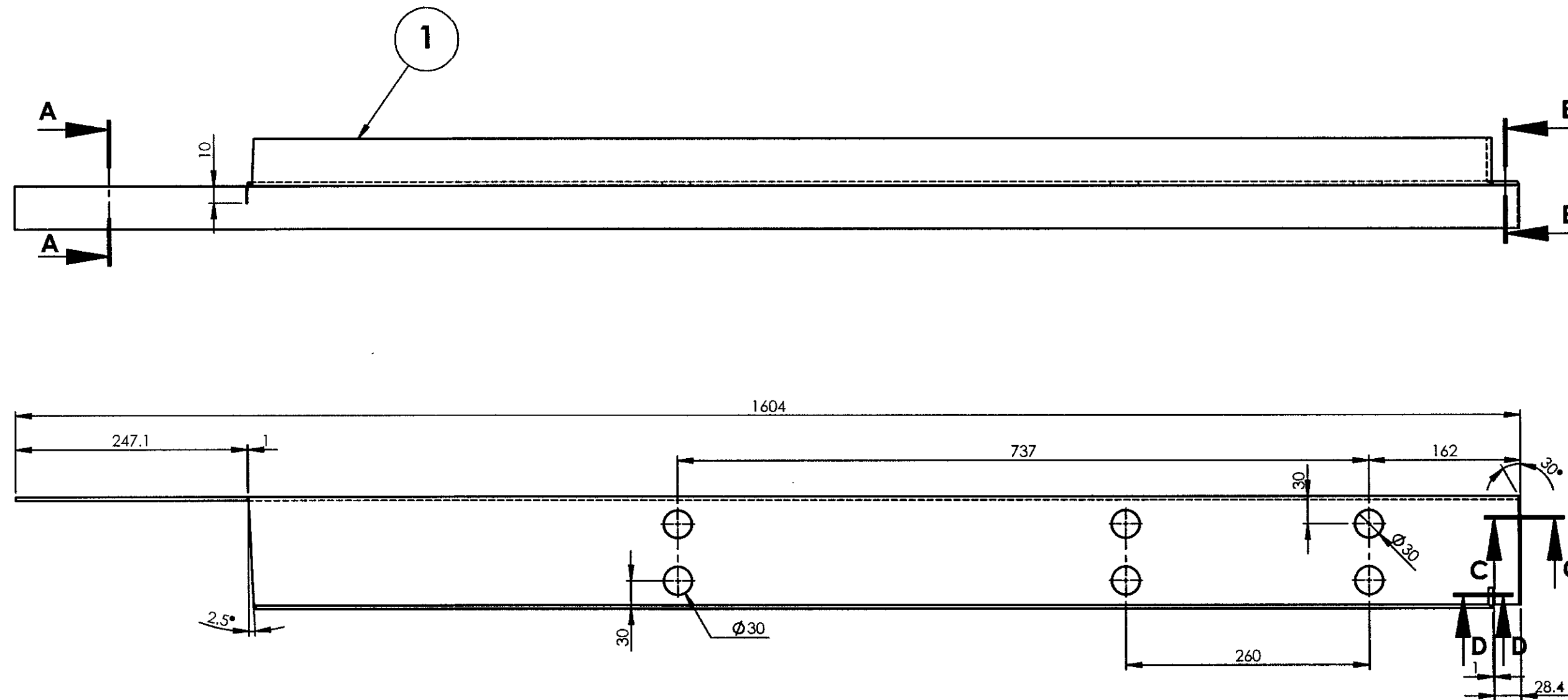
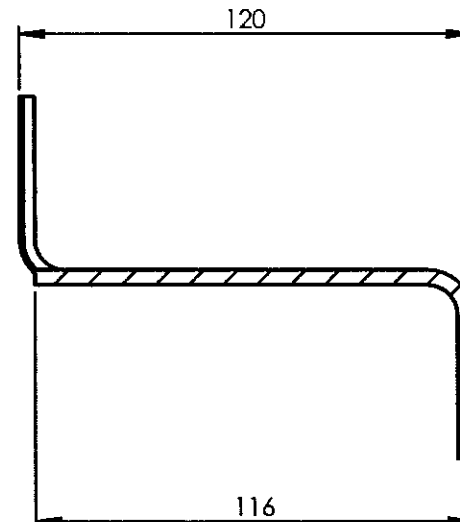
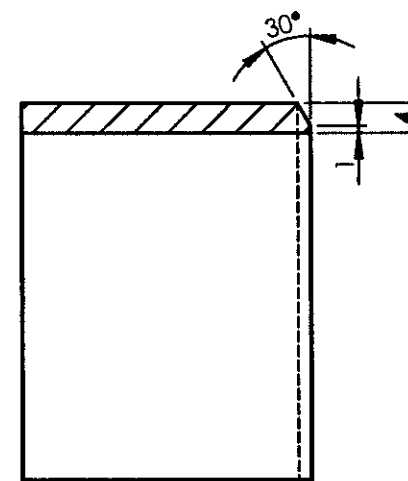
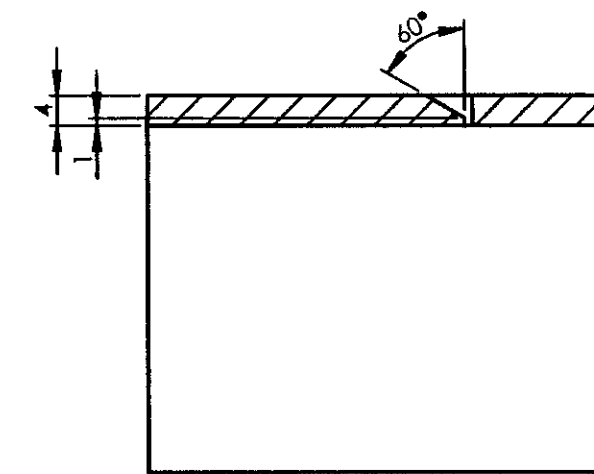
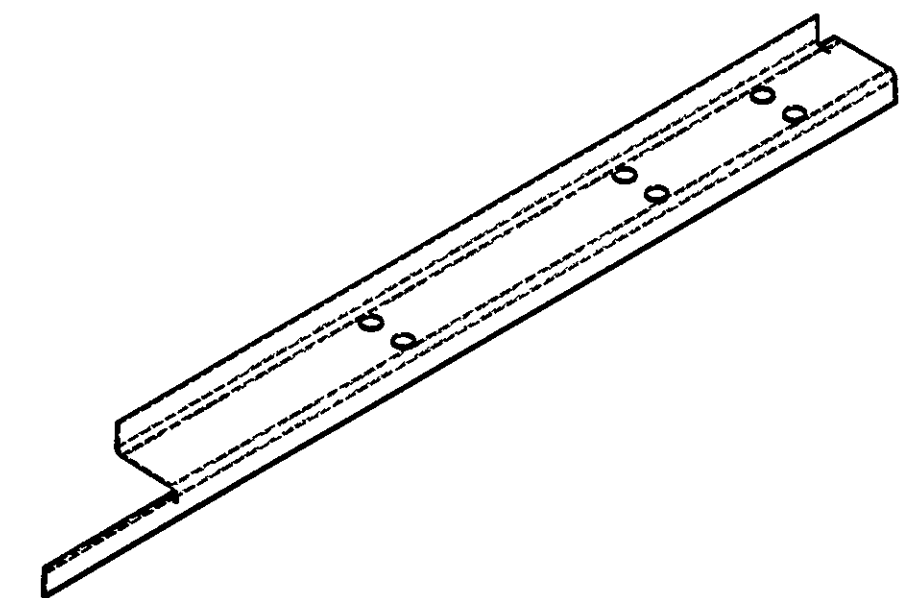



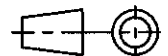
AAA14381

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

## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATERIAL ALTD FROM SS-409M TO RDSO/SPEC C-K201 X2CrNi12	-sd-
b		Ø30 HOLE ADDED.	-sd-
c		Ø30 HOLE ADDED.	-sd-
d		LOCATION OF Ø30 HOLES REVISED.	-sd-
e		ADDITIONAL 2NOS Ø30mm HOLES ADDED.	-sd-
f		ADDITIONAL 2NOS Ø30mm HOLES ADDED.	-sd-

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

1	ROOF FLANGE	4x203.4x1604	1		RDSO/SPEC C-K201 X2CrNi12	8.985		
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATLSPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-4			SURFACE AREA IN Sq.m.: 0.579			WT/ASSY IN Kgs:		
ROOF FLANGE						SCALE 1:5	SSE/D 	
						CHD		
						ALT f	ALTD	T.UKKIRAPANDIAN
						DRN	K.Sethuraman	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1				
					AAA14381 A2			

24-07-2024	16-01-2010	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

REF.DRG.NO.2 10113.0.20.113.133 Alt Ra/-

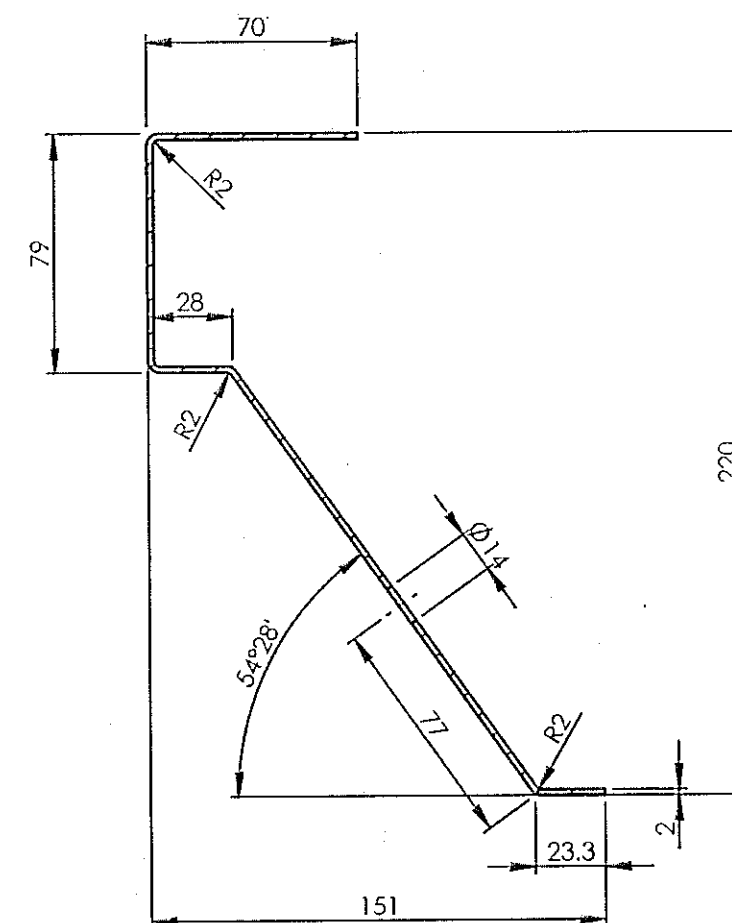
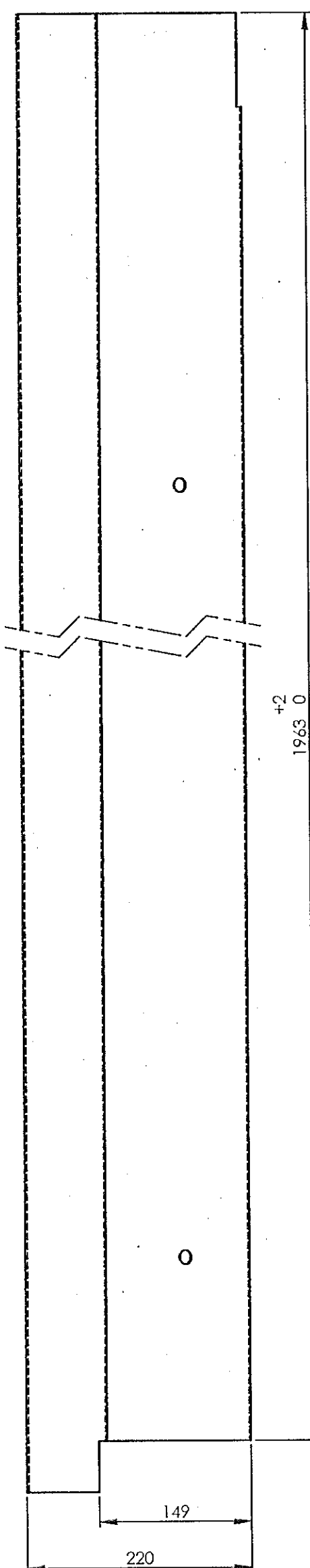
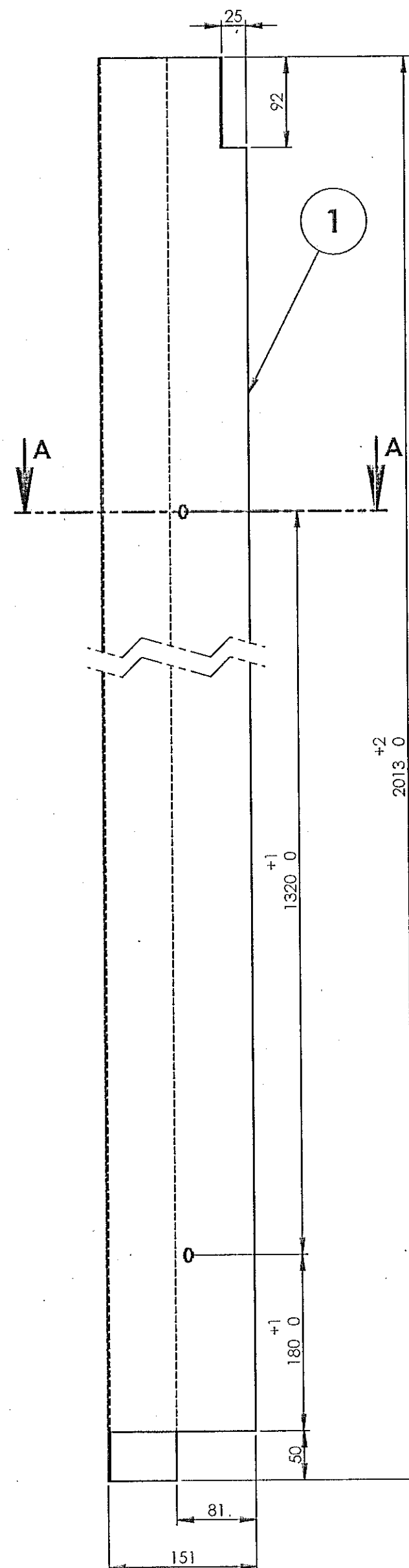
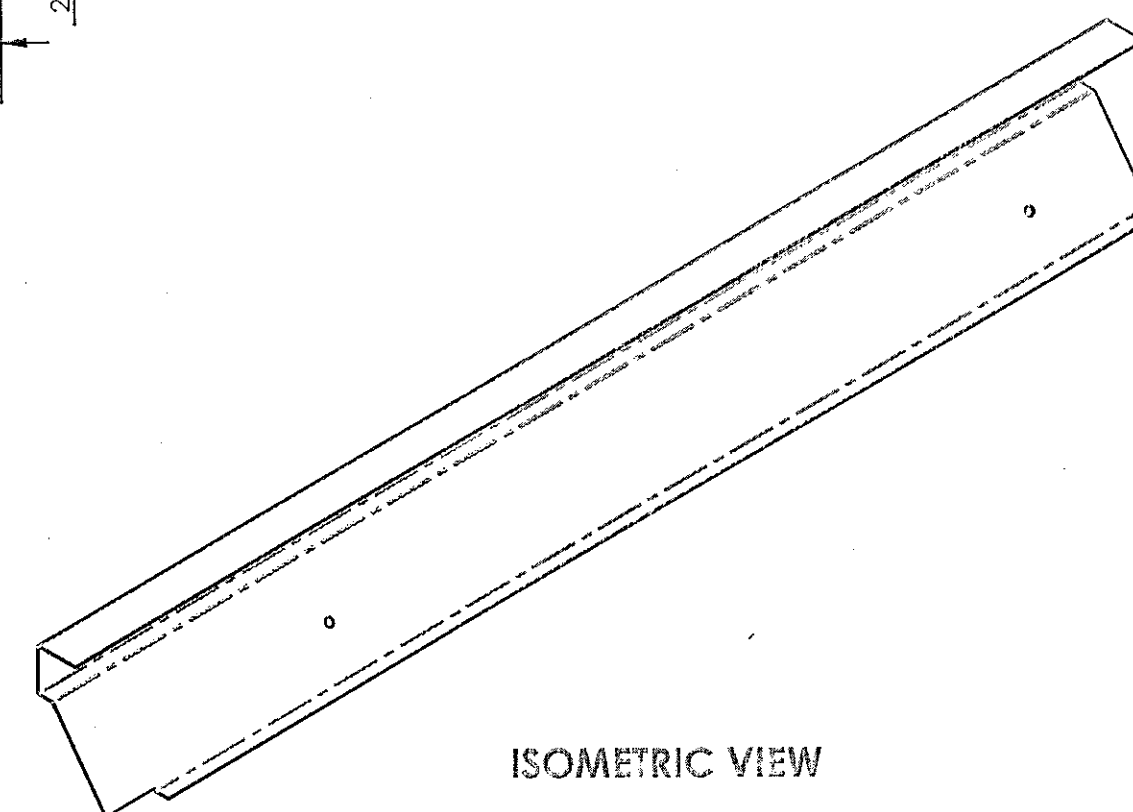
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER EN ISO 2553. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

AAA14392

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

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATL THICKNESS ALTD FROM 2 TO 3mm	-sd-
b		MATL THICKNESS ALTD FROM 3 TO 2mm	-sd-
c		CUT-OUT OF SIZE 35 x 150 DELETED.	<i>[Signature]</i>

SECTION A-A  
SCALE 1 : 2.5

ISOMETRIC VIEW

1	DOOR POST RIGHT	2x365x2013	1		RDSO/SPEC C-K201 X2 Cr Ni 12	11.545	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4				SURFACE AREA IN Sq.m.: 1.453		WT/ASSY IN Kgs:	
DOOR POST RIGHT					SCALE 1:5	SSE/D	<i>[Signature]</i>
					CHD		
					ALT c	ALTD	T.Ukkirapandian
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038					DRN		K.Sethuraman
					SHEET 1 OF 1		
					AAA14392		
					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 EN ISO 2553. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY.

REF.DRG.NO.LP10116-g'

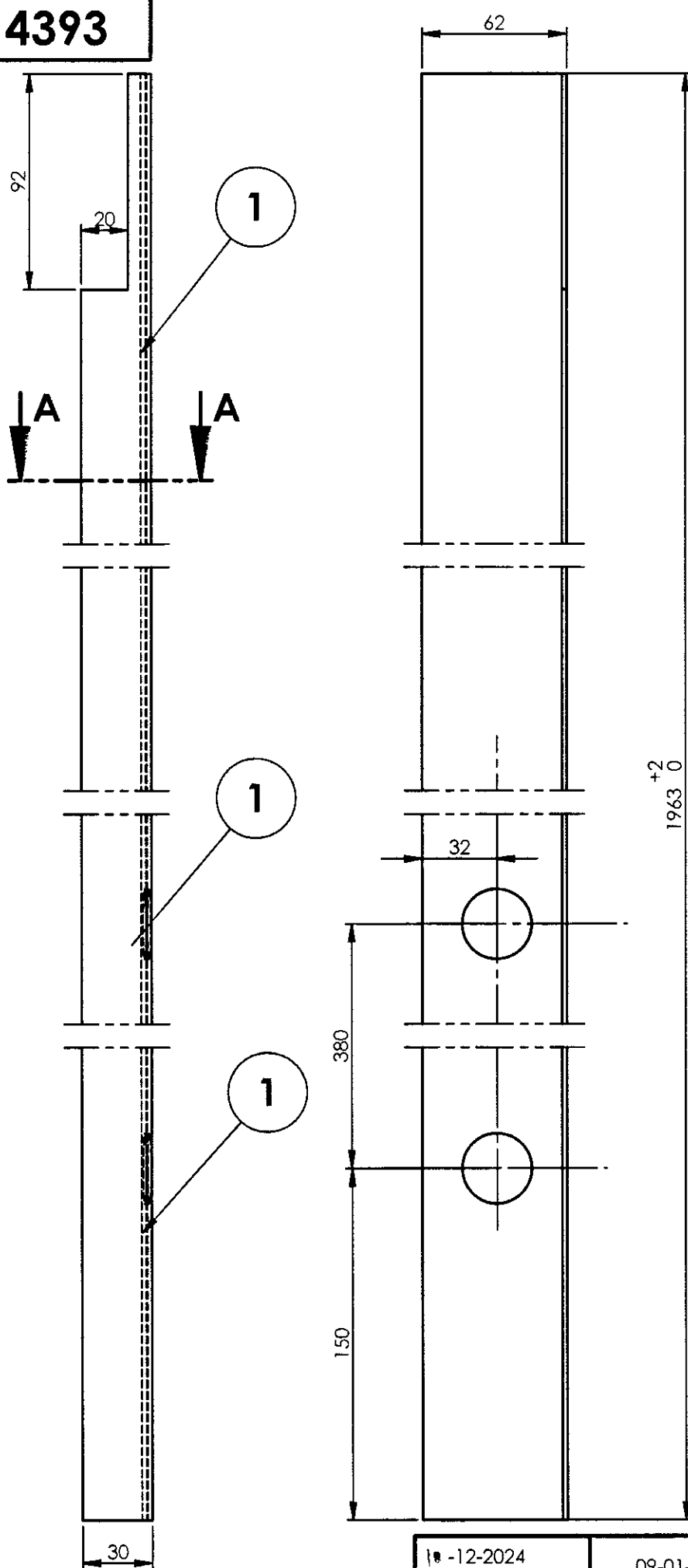
23-01-2026	13-12-2012	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME



AAA14393

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

REF.DRG.NO.LP10126-'a'

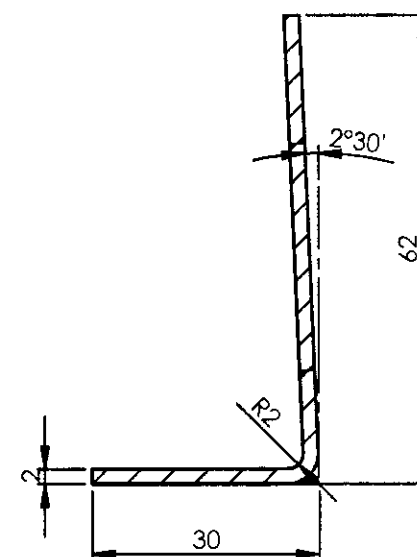


▽ ROUGH MACHINED  
▽▽ FINISH MACHINED  
▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED  
①① BURRS REMOVED  
①① CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		2 NUMBERS OF Ø30 HOLES INTRODUCED.	



SECTION A-A  
SCALE 1 : 1

1	ANGLE FOR DOOR POST	2x88x1963	1		RDSO/SPEC C- K201 X2 Cr Ni 12	2.729	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:0.350			WT/ASSY IN Kgs: 2.729		
ANGLE FOR DOOR POST					SCALE	SSE/D	
					1:2.5	CHD	
					ALT.	ALTD	R.SANTHOSH KUMAR
					a	DRN	K.Sethuraman
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA14393		A3

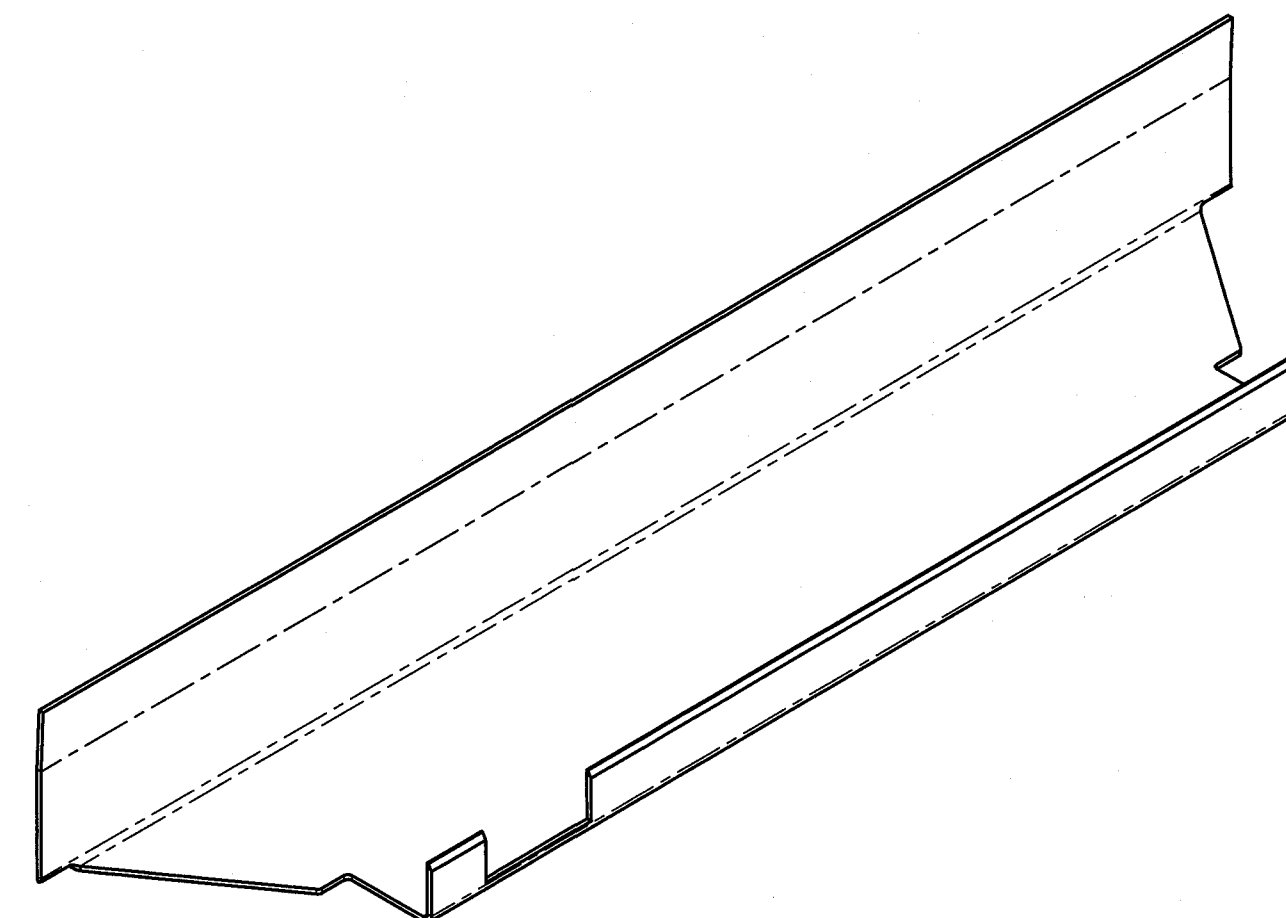
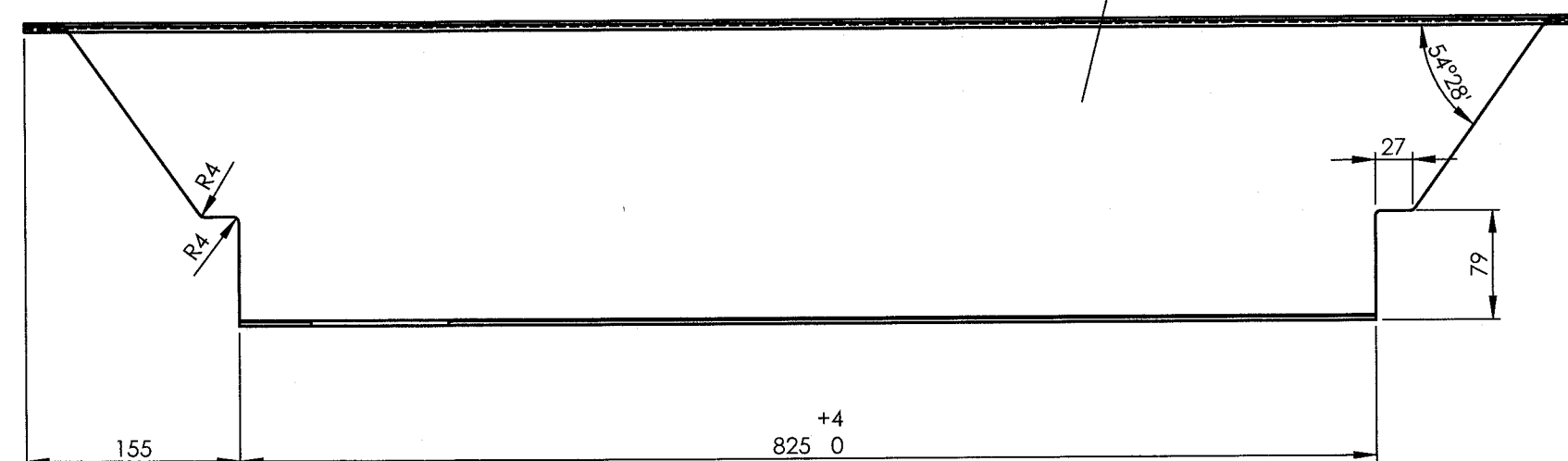
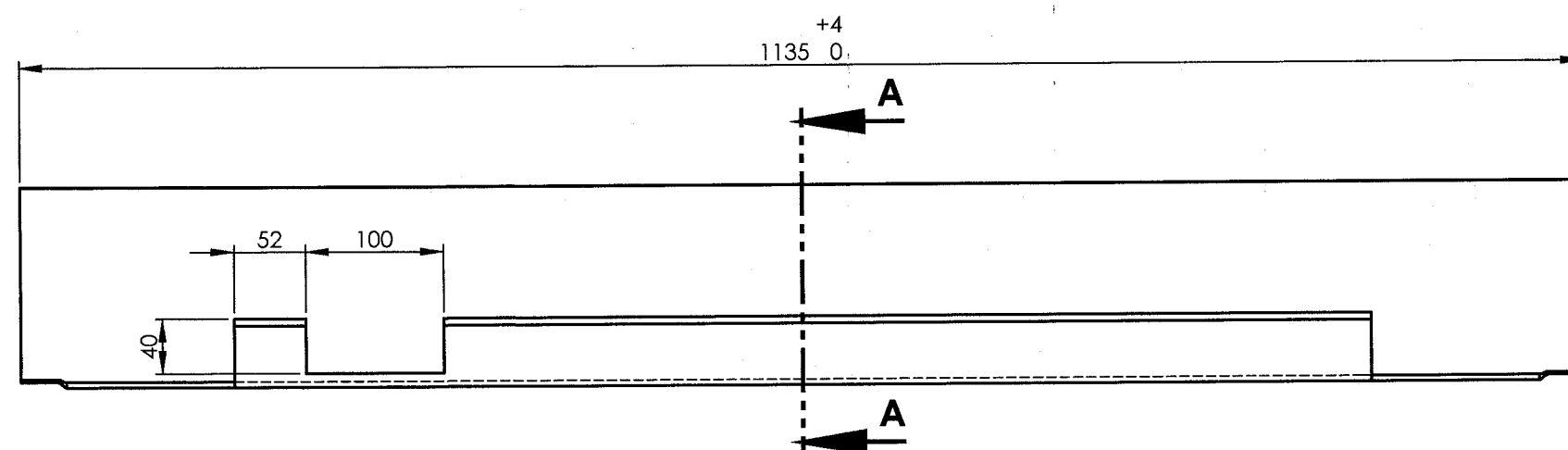
AAA14395

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

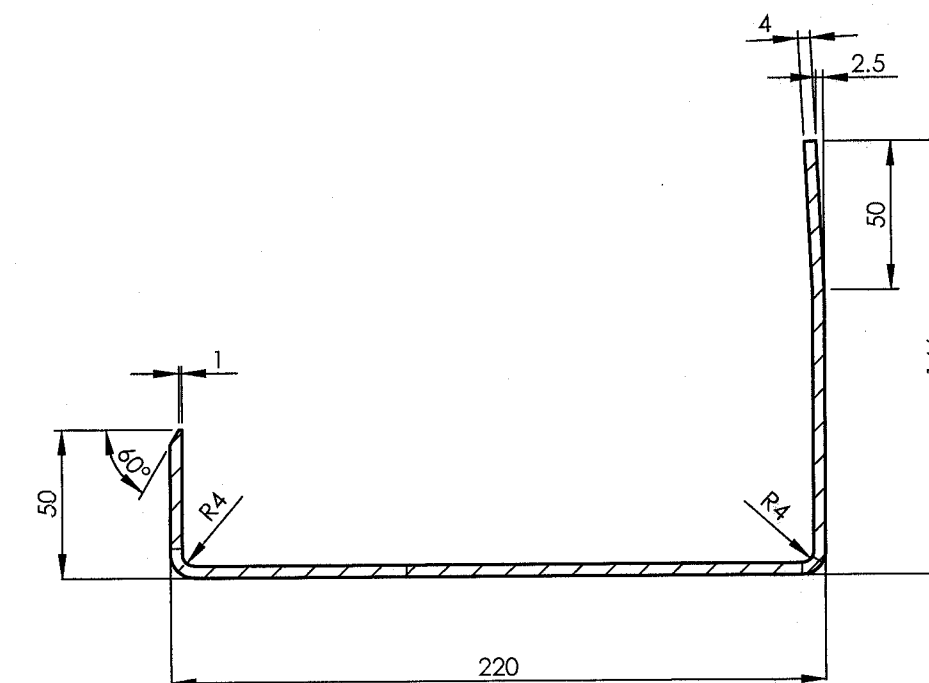
① ROUGH CLEANED  
①① BURRS REMOVED  
①① CHAMFERED

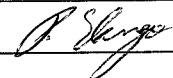
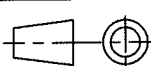
## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		Ø40 HOLE ADDED.	-sd-
b		40 x 90 CUTAWAY ADDED. Ø40 CUTAWAY DELETED. VIEWS UPDATED.	-sd-
c		CUTAWAY ALTD FROM 40x90 TO 40x100. VIEWS UPDATED.	



ISOMETRIC VIEW

SECTION A-A  
SCALE 1 : 2.5

1	UPPER FRAME PART	4x403x1135	1		RDSO/SPEC C-K201 X2CrNi12	12.54	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 14			SURFACE AREA IN Sq.m.: 0.80		WT/ASSY IN Kgs:		
UPPER FRAME PART					SCALE 1:5	SSE/D CHD	
					ALT <sub>c</sub>	ALTD DRN	T.UKKIRAPANDIAN K.Sethuraman
							
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1	AAA14395		A

02-02-2019	13-12-2012	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

REF.DRG.NO.LP10120-'b'/ITEM-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

AAA14396

▽ ROUGH MACHINED

▽ FINISH MACHINED

▽▽ FINE FINISH MACHINED

① ROUGH CLEANED

①b BURRS REMOVED

①8 CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		Ø40 HOLE ADDED, NOTE-1 ADDED.	-Sd-
b		Ø40 CUTAWAY DELETED.	

1

67

225

10

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

NOTE:-  
\$ 1. ALTERNATIVELY MATL. SPEC. AISI:304 IS ACCEPTABLE.

QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS				
-	BACK PIECE	10x67x225	1		IS:6911-92 X04Cr12	1.206	\$				
GROUP: 1-0					SURFACE AREA IN Sq.m.:0.036		WT/ASSY IN Kgs:				
BACK PIECE					SCALE 1:1	SSE/D CHD	<i>P. Sango</i>				
					ALT. b	ALTD DRN		M.SIVAKUMAR K.Sethuraman			
					INDIAN RAILWAY STANDARDS					SHEET 1 OF 1	
					INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA14396 A3	

03/8/18

13/12/12

*[Signature]*

DATE OF LATEST ALT.


DATE OF FIRST ISSUE

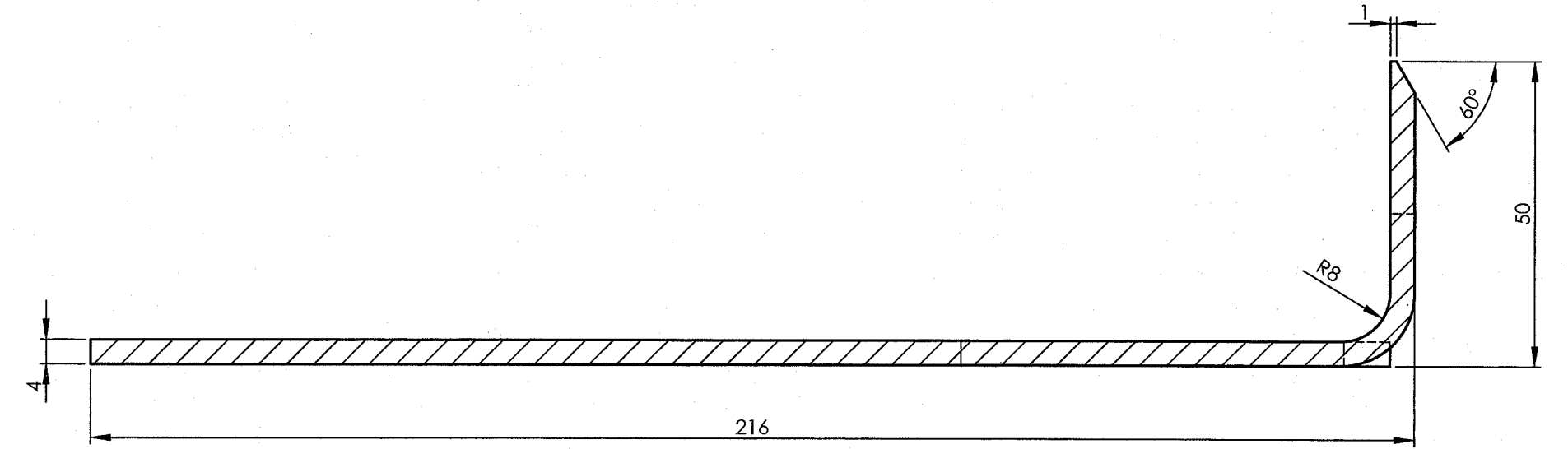
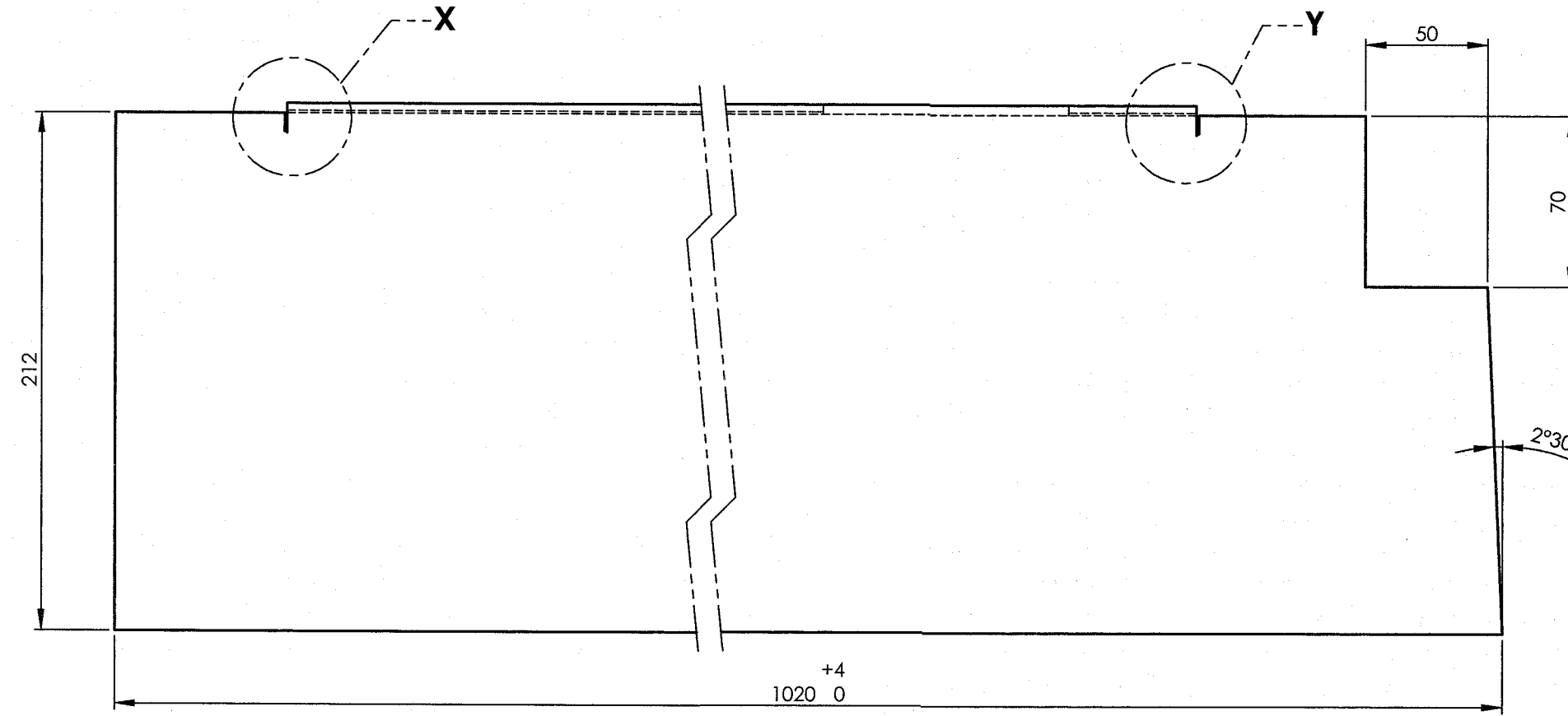
AME/SME

REF.DRG.NO.LP10120-'b'/ITEM-2

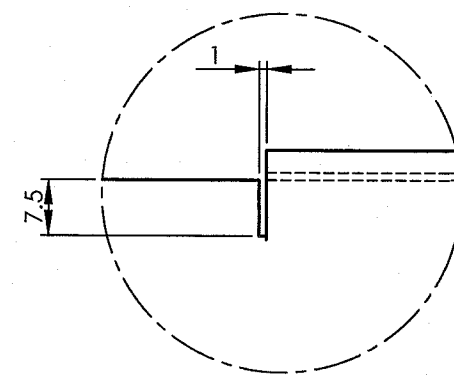
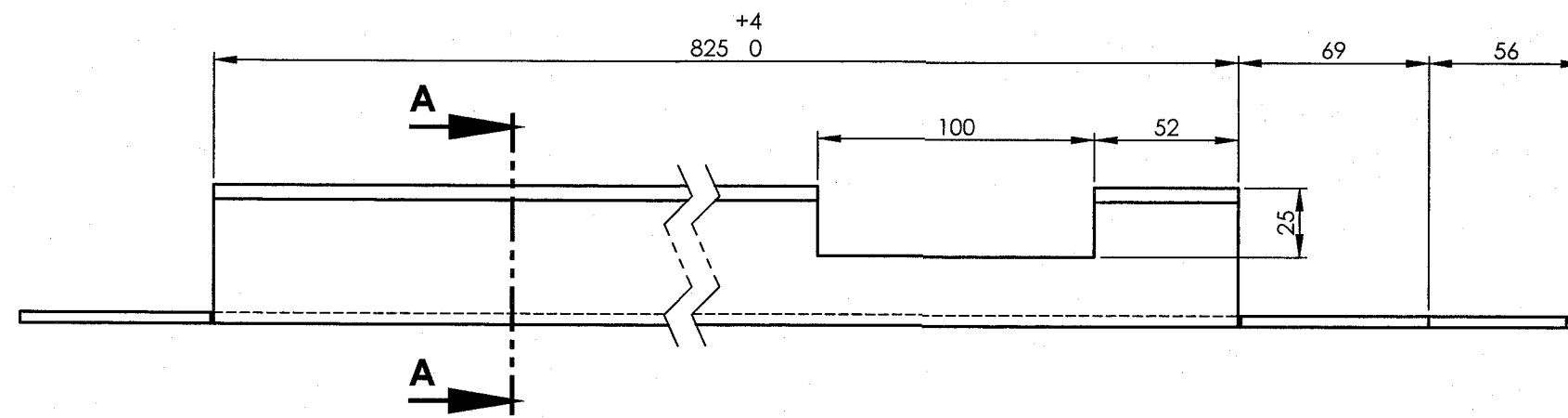
AAA14397

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

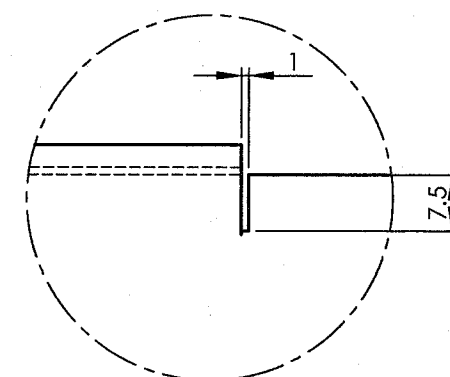
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		25 x 100 mm CUTAWAY ADDED.	



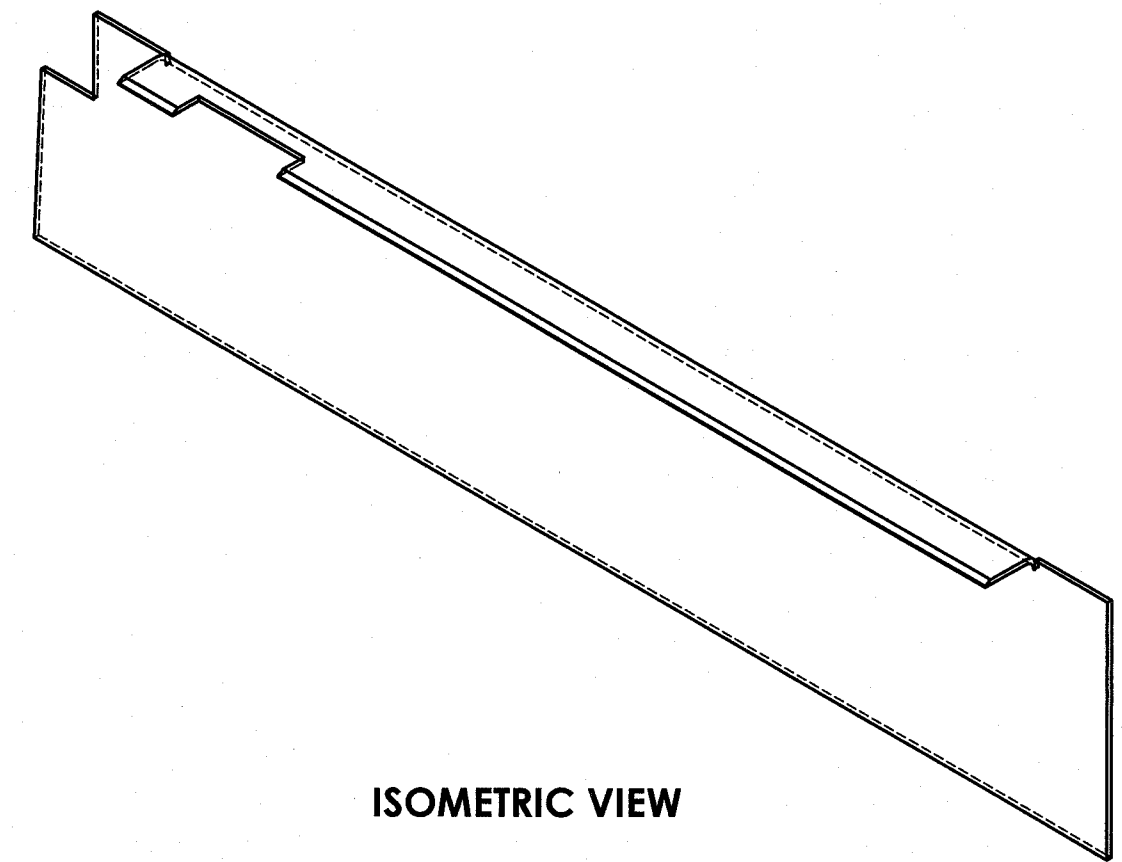
SECTION A-A  
SCALE 1 : 1



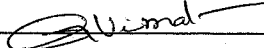
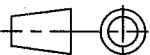
DETAIL X  
SCALE 1 : 1



DETAIL Y  
SCALE 1 : 1



ISOMETRIC VIEW

1	UPPER FRAME PART	4X258X1020	1		RDSO/SPEC C-K201 X2CrNi12	7.861					
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS				
GROUP: 14			SURFACE AREA IN Sq.m.: 0.508			WT/ASSY IN Kgs: 7.940					
UPPER FRAME PART					SCALE 1:2.5	SSE/D CHD					
					ALTa	ALTDRN		T.UKKIRAPANDIAN			
											
										AAA14397	
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1						
INTEGRAL COACH FACTORY, CHENNAI - 600038											

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

REF.DRG.NO.LP10121-'a'

02-02-2019	09-01-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

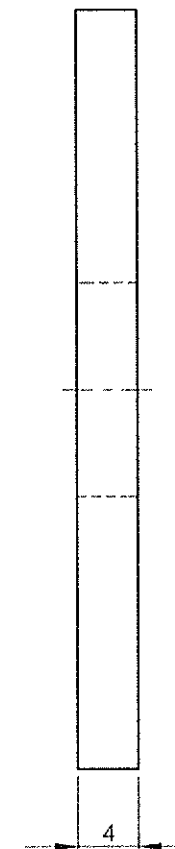
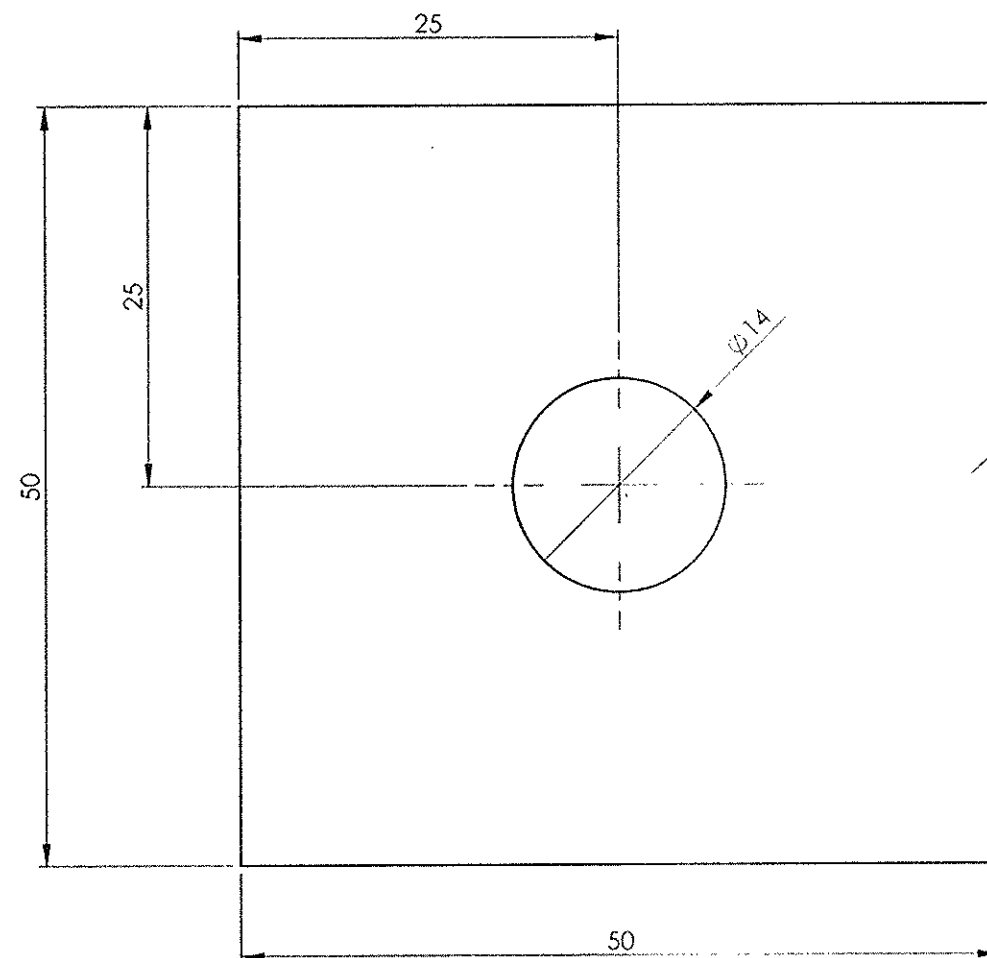


AAA14398

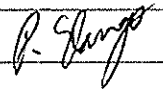
▽ ROUGH MACHINED	⊖ ROUGH CLEANED
▽▽ FINISH MACHINED	⊖⊖ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⊖⊖⊖ CHAMFERED

## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
------	------	-------------	-----------------



DATE OF LATEST ALT.	01/12/2013	AME/SME
---------------------	------------	---------

-	BACK PIECE	4X50X50	1		RDSO/SPEC C- K201 X2 Cr Ni 12	0.075	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:0.006			WT/ASSY IN Kgs:0.075		
BACK PIECE					SCALE	SSE/D	
					2:1	CHD	
					ALT.	ALTD	K.Sethuraman
						DRN	
					INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038		
SHEET 1 OF 1							
AAA14398		A3					

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

REF.DRG.NO.LE10120

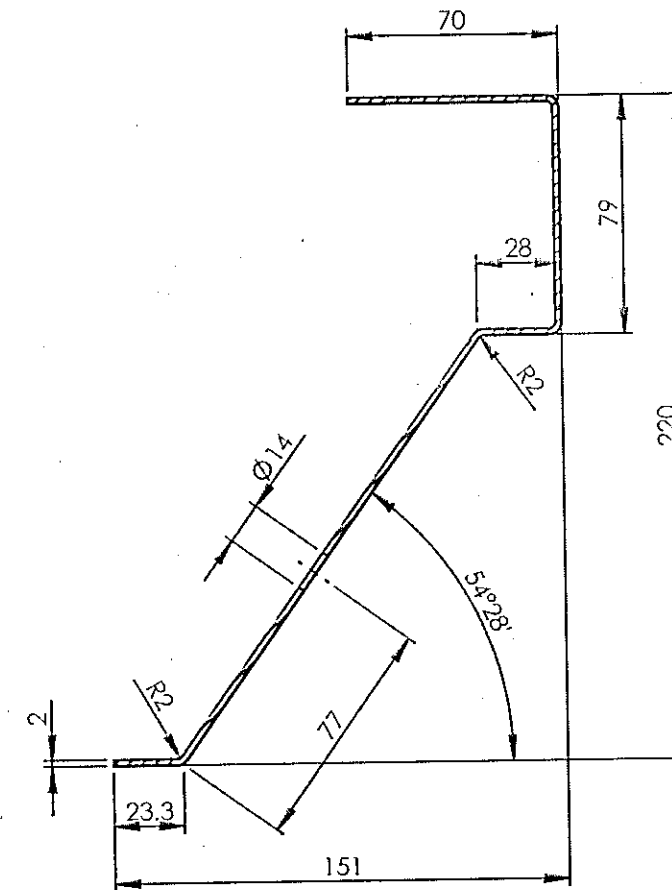
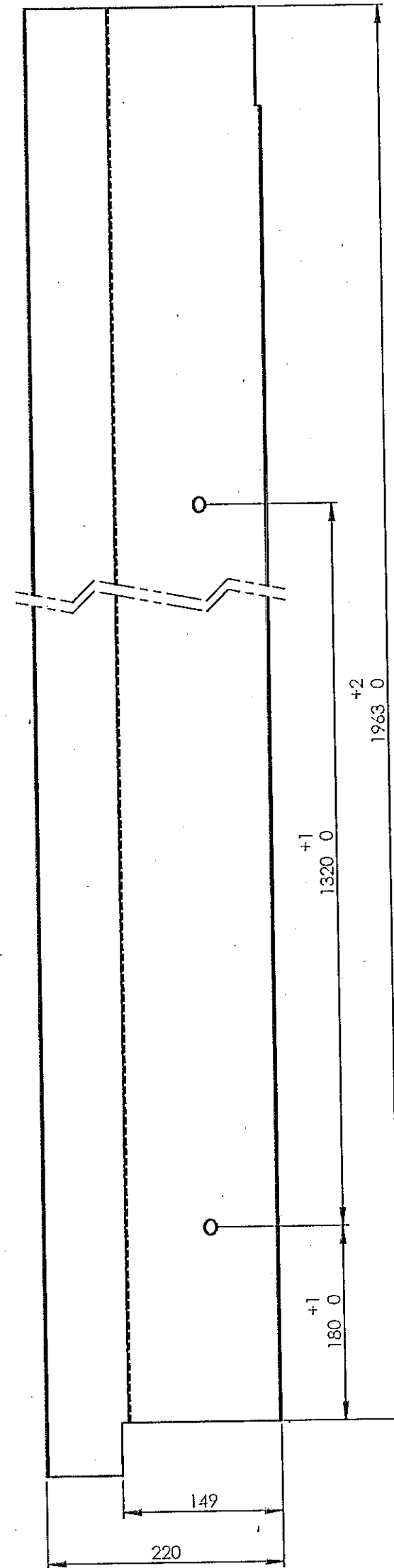
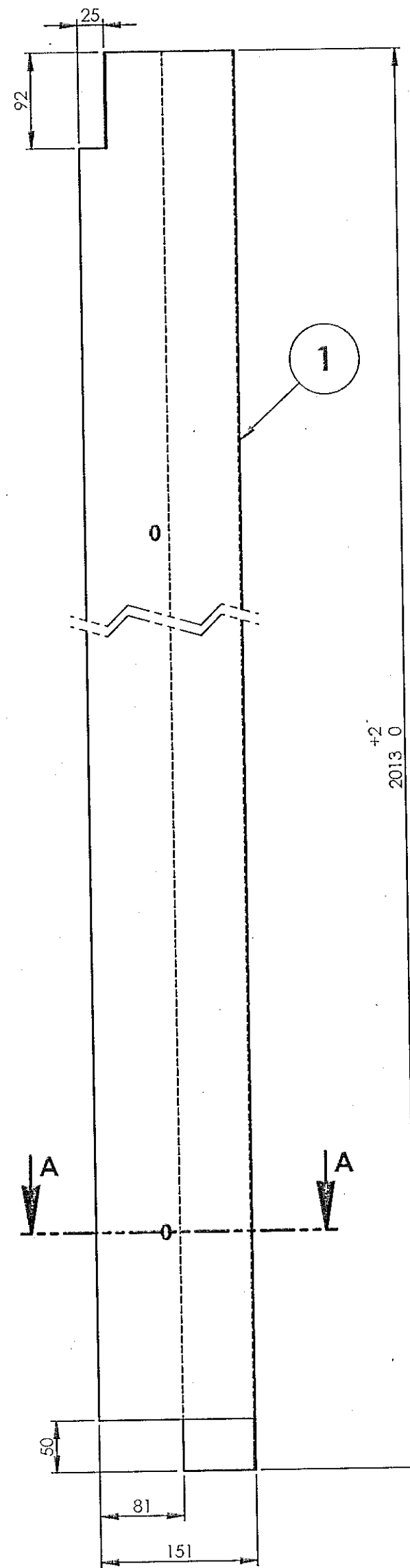
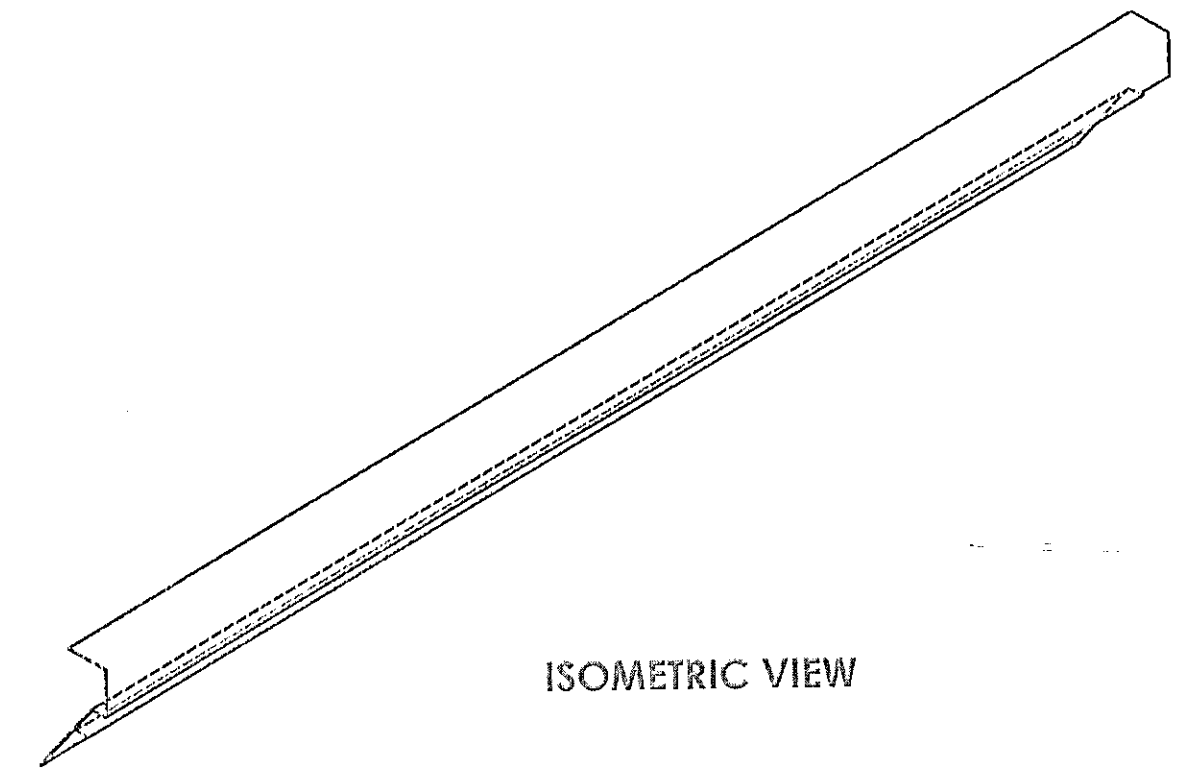
AAA14399

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

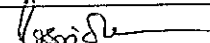
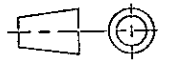
① ROUGH CLEANED  
①⑩ BURRS REMOVED  
①⑧ CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATL THICKNESS ALTD FROM 2 TO 3mm.	-sd-
b		MATL THICKNESS ALTD FROM 3 TO 2mm	-sd-
c		CUT-OUT OF SIZE 35 x 150 DELETED.	

SECTION A-A  
SCALE 1 : 2.5

ISOMETRIC VIEW


I	DOOR POST LEFT	2x365x2013	7		RDSO/SPEC CK-201 X2 Cr Ni 12	11.545	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4			SURFACE AREA IN Sq.m.: 1.453			WT/ASSY IN Kgs:	
DOOR POST LEFT					SCALE 1:5	SSE/D	
						CHD	
					ALT c	ALTD	T Ukkirapandian
						DRN	K.Sethuraman
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1		
							
					AAA14399		A2

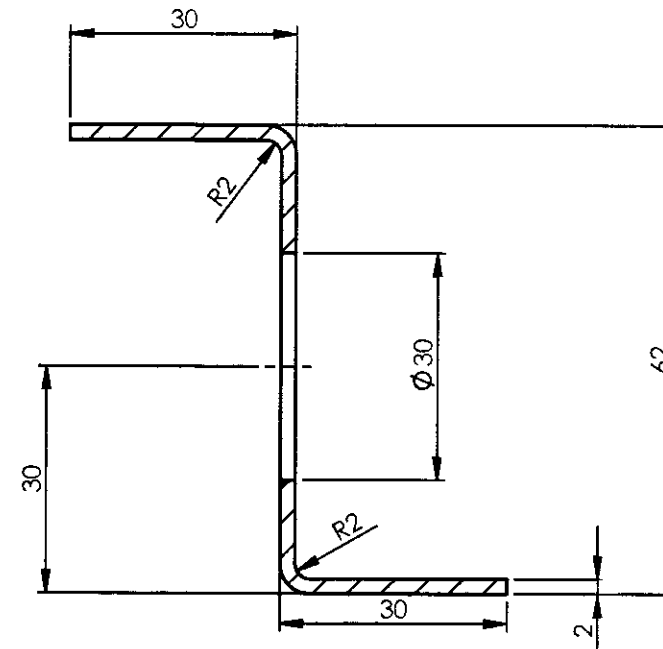
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO. ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER EN ISO 2553. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY.

REF.DRG.NO.LP10114-g

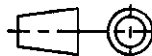
23-01-2024	13-12-2012	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.


REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		2 NOS OF Ø30 HOLES INTRODUCED. SECTION A-A REVISED.	

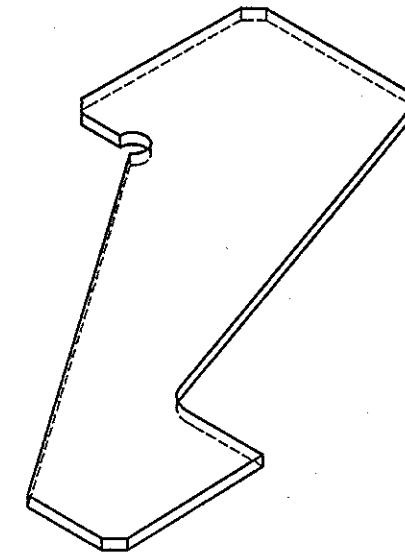


**SECTION A-A**  
**SCALE 1 : 1**

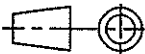
1	DOOR PILLAR FLANGE	2x115x1963	1		RDSO/SPEC C-K201 X2 Cr Ni 12	3.573	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:0.455			WT/ASSY IN Kgs:3.573		
DOOR PILLER FLANGE					SCALE	SSE/D	1:5
					1:5	CHD	
					ALT.	ALTD	R.SANTHOSH KUMAR
					a	DRN	G.M.Lakshminarayana
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA14400		
					A3		

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		DESIGN OF ITEM-1 REVISED.	



### ISOMETRIC VIEW

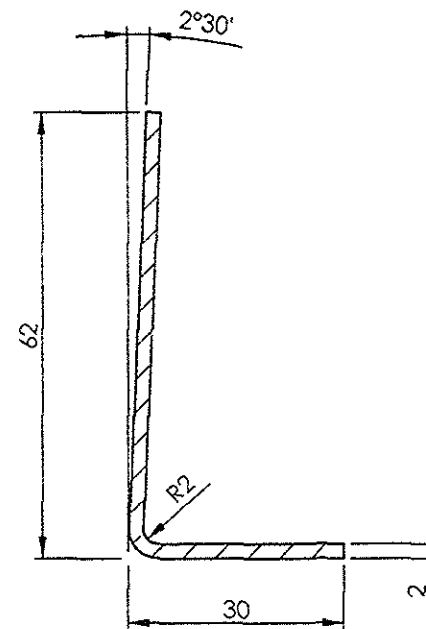
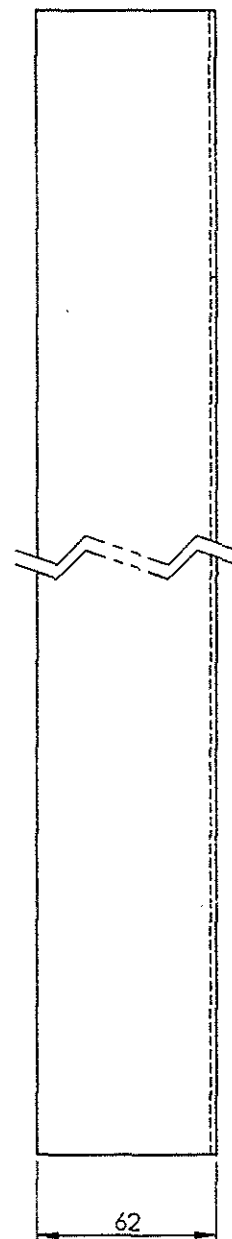
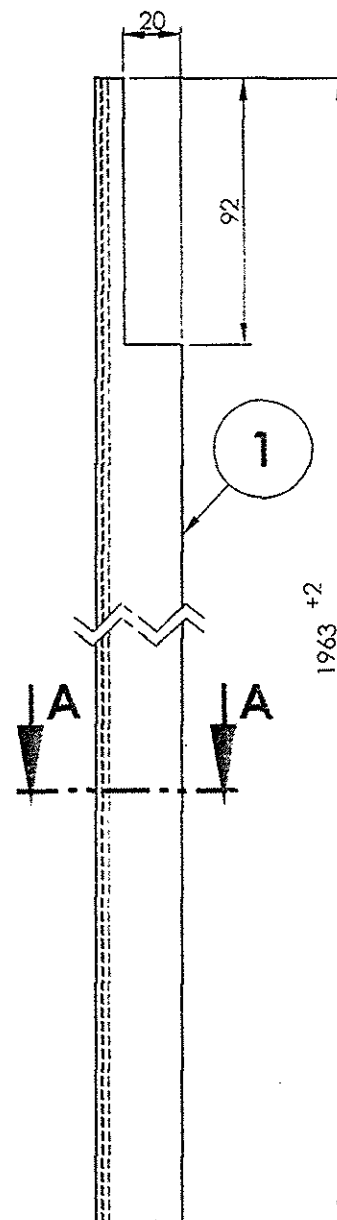
1	WEB	4x159x212	1		RDSO/SPEC C-K201 X2CrNi12	0.41	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:28393.58			WT/ASSY IN Kgs:		
WEB					SCALE	SSE/D	A. cy
					1:2	CHD	
					ALT. a	ALTD	Aswin R
						DRN	V.S.SRIDHARAN
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA14401		
					A3		



AAA14403

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

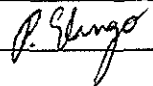

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

SECTION A-A  
SCALE 1 : 1

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

REF.DRG.NO.LP10127-c'


	9/1/2013	10/01/15
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

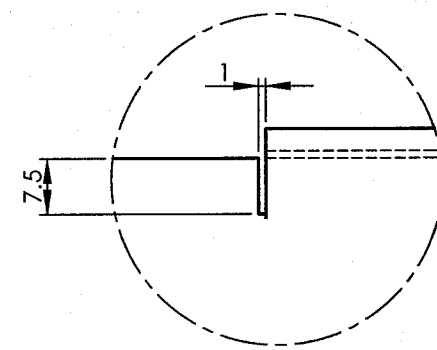
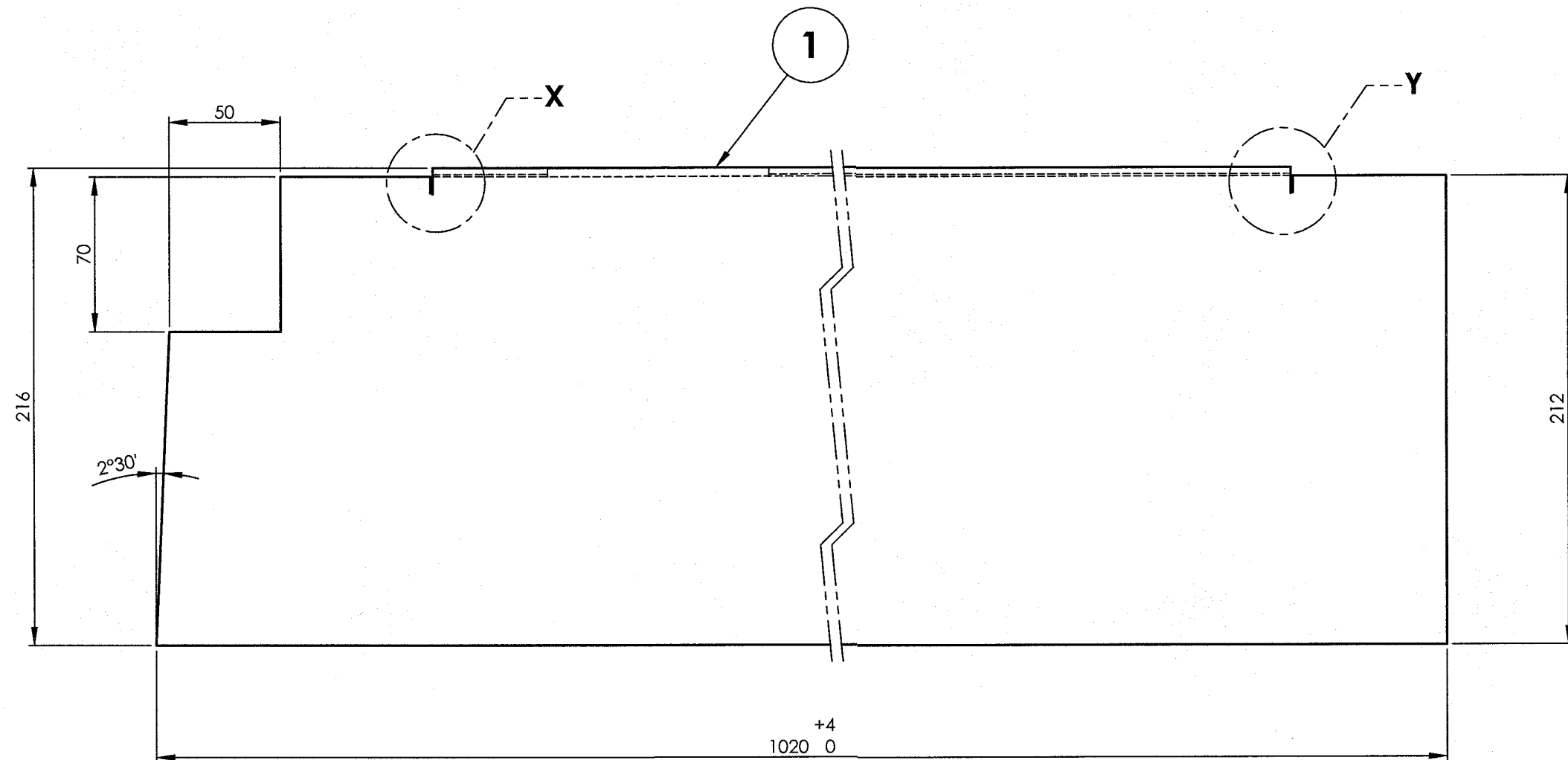
1	ANGLE FOR DOOR POST	2x88x1963	1		RDSO/SPEC C- K201 X2 Cr Ni 12	2.752	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:0.352			WT/ASSY IN Kgs:2.752		
ANGLE FOR DOOR POST					SCALE	SSE/D	
					1:2.5	CHD	
					ALT.	ALTD	
						DRN	G.M.Lakshminarayana
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA14403		A3

AAA14404

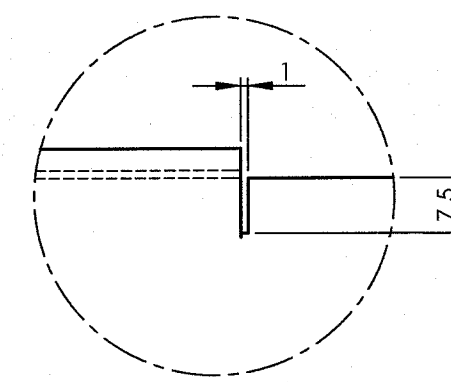
▽ ROUGH MACHINED  
▽▽ FINISH MACHINED  
▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED  
①b BURRS REMOVED  
⑱ CHAMFERED

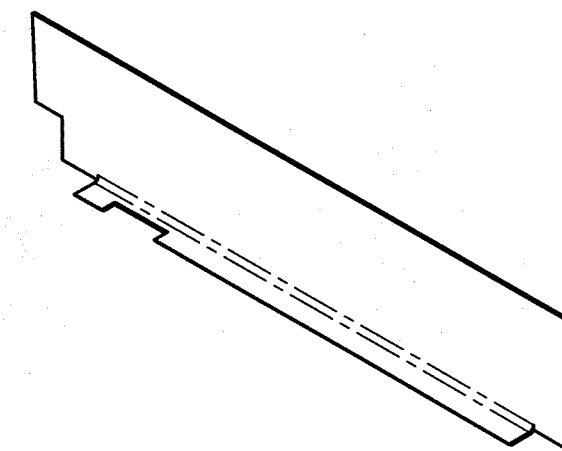
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		25 x 100 MM CUTAWAY ADDED.	



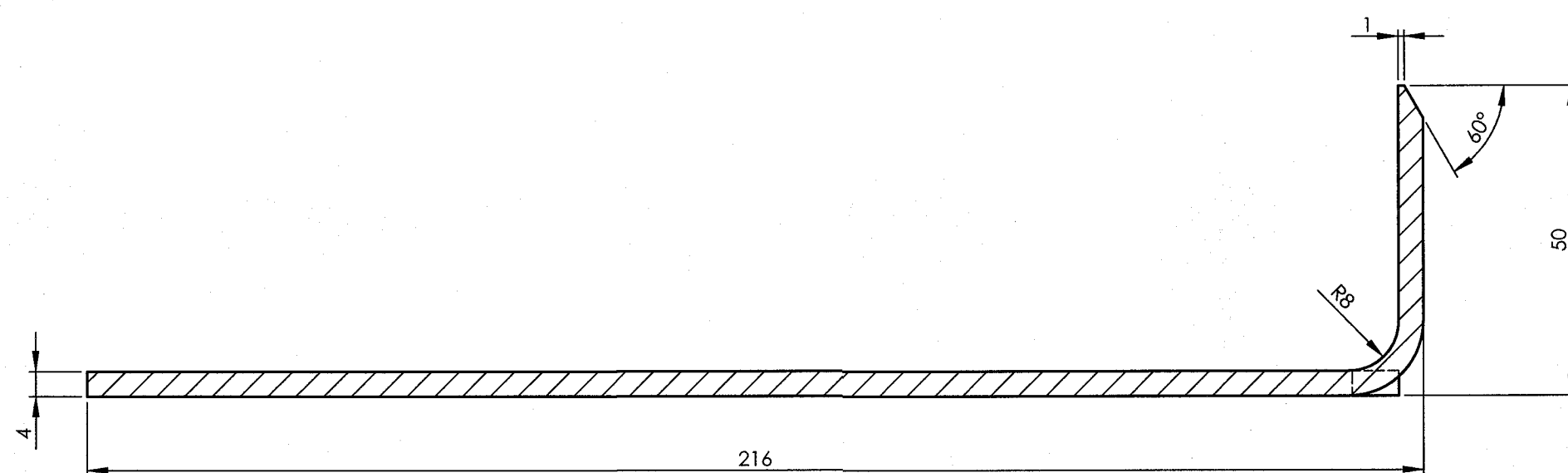
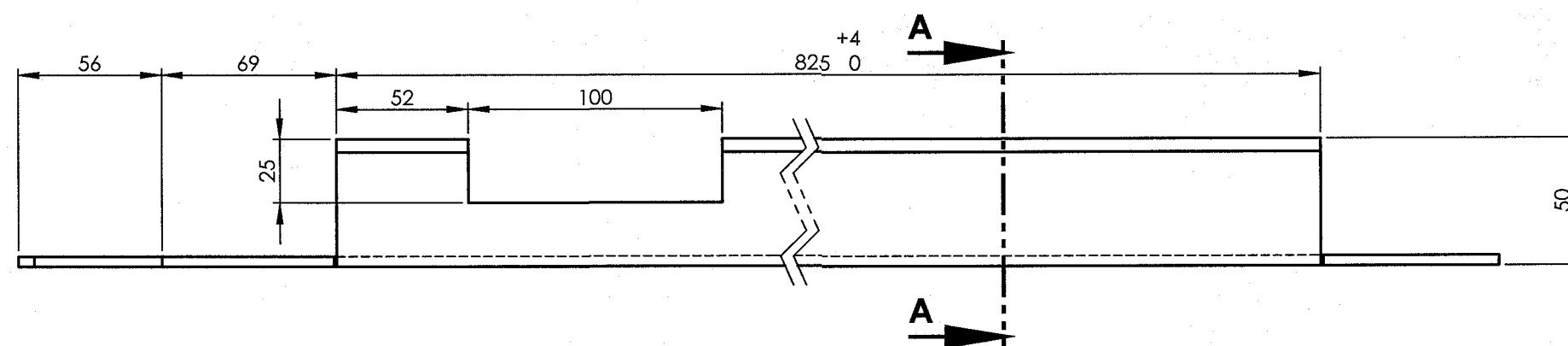
DETAIL X  
SCALE 1 : 1



DETAIL Y  
SCALE 1 : 1



ISOMETRIC VIEW

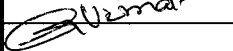
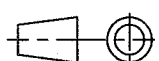


SECTION A-A  
SCALE 1 : 1

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


REF.DRG.NO.LP10122-'a'

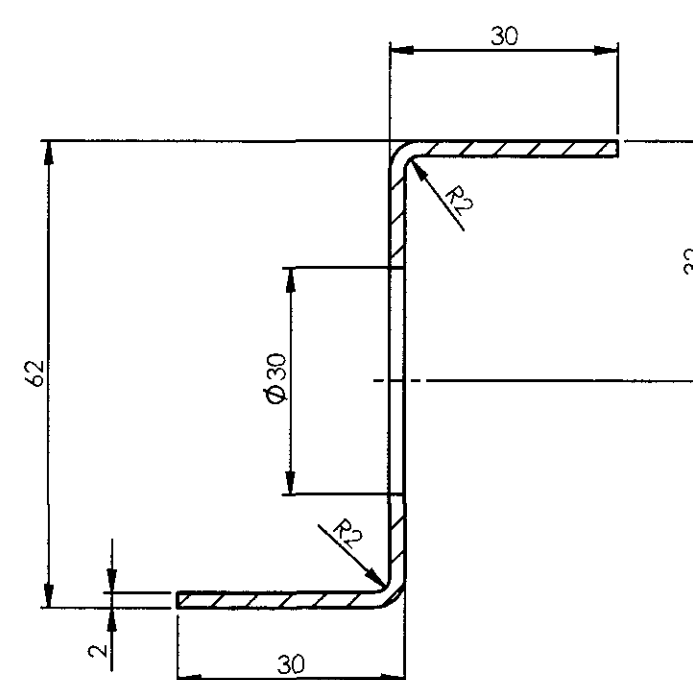
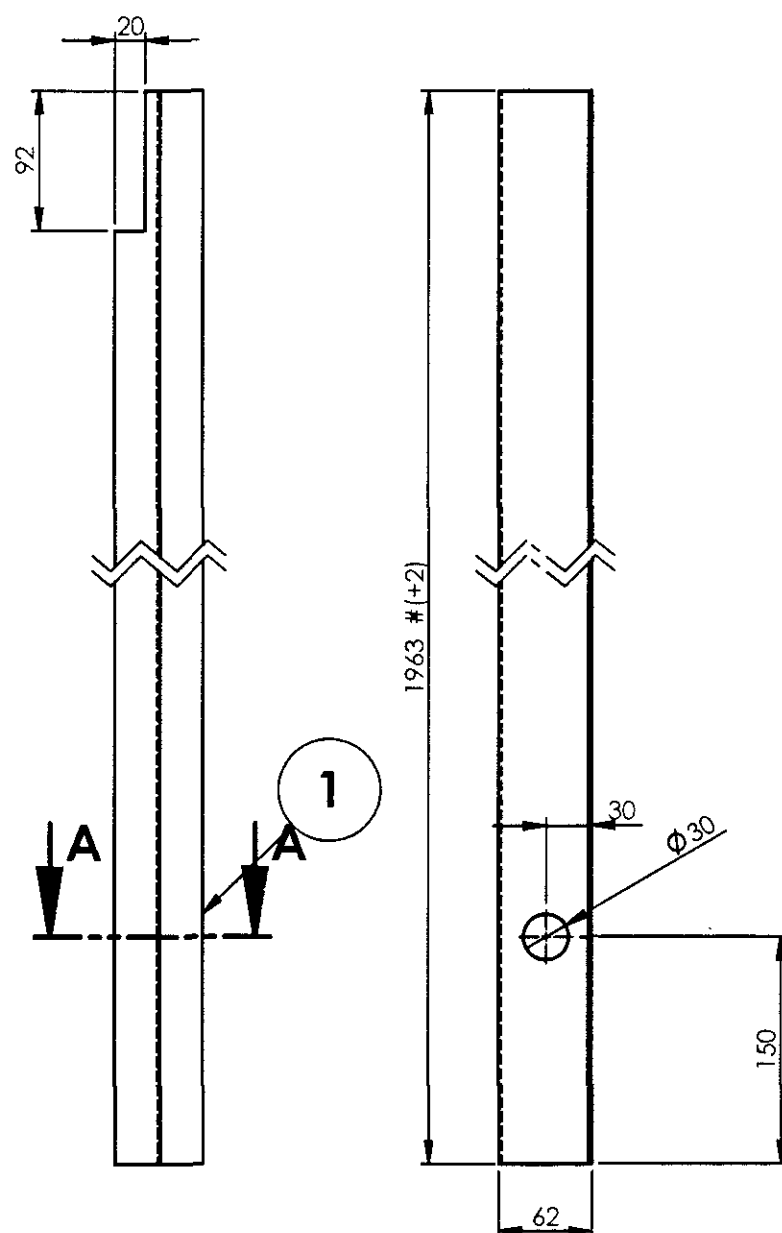
02-02-2019	13-12-2012	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	UPPER FRAME PART	4x258x1020	1		RDSO/SPEC C- K201 X2CrNi12	7.860	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 14			SURFACE AREA IN Sq.m.: 0.503			WT/ASSY IN Kgs:7.940	
UPPER FRAME PART					SCALE 1:2.5	SSE/D	
						CHD	
					ALT a	ALTD	T.UKKIRAPANDIAN
		DRN	G.M.Lakshminarayana				
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA14404		A2

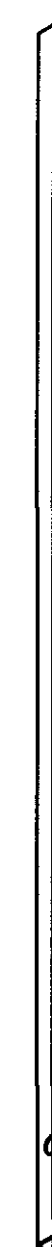
**AAA14405**

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		ONE Ø30 HOLE INTRODUCED. SECTION A-A UPDATED.	




**SECTION A-A**  
**SCALE 1 : 1**



### ISOMETRIC VIEW


### # MANDATORY MANUFACTURING ALLOWANCE

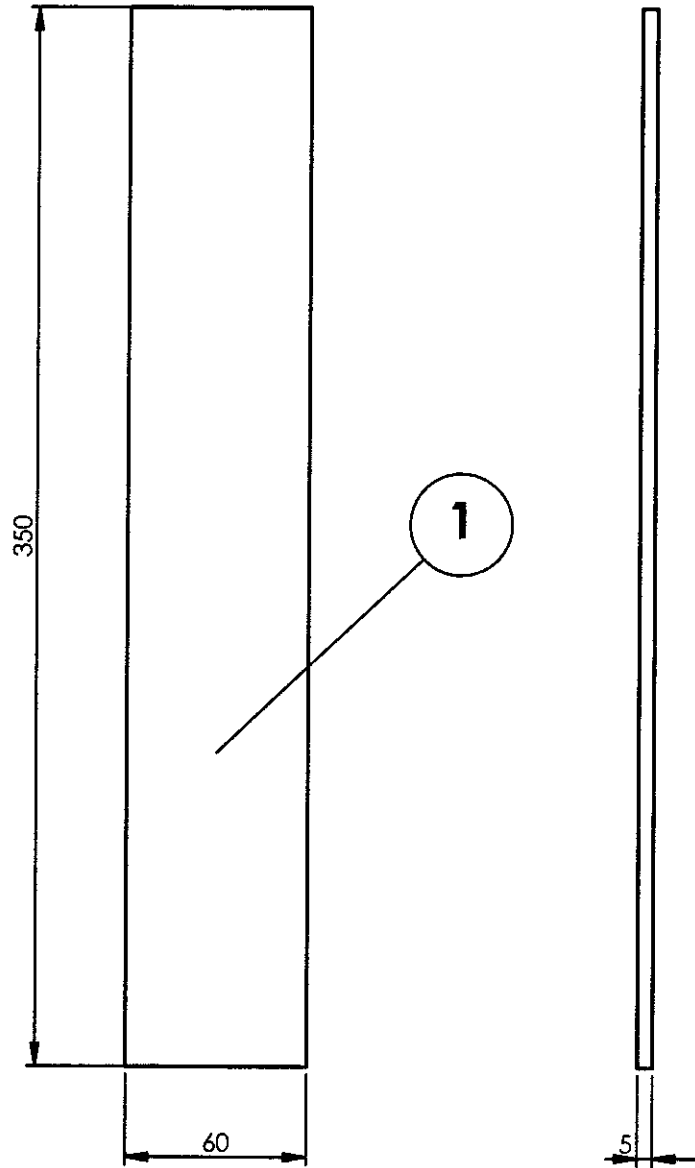
1	DOOR PILLAR FLANGE	2x115x1963	1		RDSO/SPEC C-K201 X2 Cr Ni 12	3.581	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:0.456			WT/ASSY IN Kgs:3.581		
DOOR PILLAR FLANGE					SCALE	SSE/D	1:5
						CHD	
					ALT.	ALTD	R.SANTHOSH KUMAR
						DRN	G.M.Lakshminarayana
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			A3
					AAA14405		

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

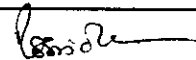

REF.DRG.NO.LP10123-'a'

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		NOTE ADDED.	



1. ALTERNATIVELY MATERIAL AISI 304 MAY BE USED IN LIEU OF RDSO/SPEC C-K201 X5 Cr Ni 18 10

1	FLAT FOR DOOR	5x60x350	1		RDSO/SPEC C- K201 X5 Cr Ni 18 10	0.840		
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-4		SURFACE AREA IN Sq.m.:0.046			WT/ASSY IN Kgs:			
FLAT FOR DOOR					SCALE	SSE/D		
					1:2.5	CHD		
					ALT. a	ALTD	T.Ukkirapandian	
						DRN	G.VIMALA	
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			A3	
					AAA14796			

1		2		3		4		5		6		7		8																																																										
AAA14797				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS																																																																
				▽▽ FINISH MACHINED		①b BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE																																																										
				▽▽▽ FINE FINISH MACHINED		①c CHAMFERED		a				R.M. SIZE ALTD FROM 5x60x630 TO 5x60x574.5		-sd-																																																										
								b				NOTE ADDED.		[Signature]																																																										
<div><div>1</div><div><div></div><div>574.5</div></div><div><div></div><div>60</div></div><div><div></div><div>5</div></div></div>																																																																								
<div>NOTE:</div> <div>1. ALTERNATIVELY MATERIAL AISI 304 MAY BE USED IN LIEU OF RDSO/SPEC C-K201 X5 Cr Ni 18 10</div>																																																																								
<table><tr><td>1</td><td>FLAT FOR DOOR</td><td>5x60x574.5</td><td>1</td><td></td><td>RDSO/SPEC C-K201 X5 Cr Ni 18 10</td><td>1.379</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.:0.075</td><td>WT/ASSY IN Kgs:</td></tr><tr><td colspan="5" rowspan="4">FLAT FOR DOOR</td><td>SCALE</td><td>SSE/D</td><td>[Signature]</td></tr><tr><td>1:2.5</td><td>CHD</td><td></td></tr><tr><td>ALT. b</td><td>ALTD</td><td>T.Ukkirapandian</td></tr><tr><td></td><td>DRN</td><td>G.VIMALA</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">AAA14797</td><td>A3</td></tr></table>																1	FLAT FOR DOOR	5x60x574.5	1		RDSO/SPEC C-K201 X5 Cr Ni 18 10	1.379		QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-4					SURFACE AREA IN Sq.m.:0.075		WT/ASSY IN Kgs:	FLAT FOR DOOR					SCALE	SSE/D	[Signature]	1:2.5	CHD		ALT. b	ALTD	T.Ukkirapandian		DRN	G.VIMALA	INDIAN RAILWAY STANDARDS					SHEET 1 OF 1			INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA14797		A3
1	FLAT FOR DOOR	5x60x574.5	1		RDSO/SPEC C-K201 X5 Cr Ni 18 10	1.379																																																																		
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS																																																																	
GROUP: 1-4					SURFACE AREA IN Sq.m.:0.075		WT/ASSY IN Kgs:																																																																	
FLAT FOR DOOR					SCALE	SSE/D	[Signature]																																																																	
					1:2.5	CHD																																																																		
					ALT. b	ALTD	T.Ukkirapandian																																																																	
						DRN	G.VIMALA																																																																	
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1																																																																			
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA14797		A3																																																																	
<div><div>22-05-2023</div><div>13-12-2018</div><div>[Signature]</div></div> <div><div>DATE OF LATEST ALT.</div><div>DATE OF FIRST ISSUE</div><div>AME/SME</div></div> <div>REF.DRG.NO.LP10112/ITEM-7</div>																																																																								
1		2		3		4		5		6		7		8																																																										

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

1		2		3		4		5		6		7		8																																																										
AAA14798				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS																																																																
				▽▽ FINISH MACHINED		①b BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE																																																										
				▽▽▽ FINE FINISH MACHINED		① CHAMFERED		a				R.M. SIZE ALTD FROM 3x25x45 TO 3x25x35		-sd-																																																										
								b				NOTE ADDED.																																																												
<div><div>1</div><div><div>35</div><div>25</div></div><div><div>3</div></div></div>																																																																								
<p><b>NOTE:</b></p> <p>1. ALTERNATIVELY MATERIAL AISI 304 MAY BE USED IN LIEU OF RDSO/SPEC C-K201 X5 Cr Ni 18 10</p>																																																																								
<table><tr><td>1</td><td>FLAT FOR DOOR</td><td>3x25x35</td><td>1</td><td></td><td>RDSO/SPEC C-K201 X5 Cr Ni 18 10</td><td>0.021</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.:0.002</td><td colspan="2">WT/ASSY IN Kgs:</td></tr><tr><td colspan="5" rowspan="4">FLAT FOR DOOR</td><td>SCALE 2:1</td><td>SSE/D</td><td></td></tr><tr><td colspan="2">CHD</td><td></td></tr><tr><td>ALT. b</td><td>ALTD</td><td>T.Ukkirapandian</td></tr><tr><td colspan="2">DRN</td><td>G.VIMALA</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">AAA14798</td><td>A3</td></tr></table>																1	FLAT FOR DOOR	3x25x35	1		RDSO/SPEC C-K201 X5 Cr Ni 18 10	0.021		QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-4				SURFACE AREA IN Sq.m.:0.002		WT/ASSY IN Kgs:		FLAT FOR DOOR					SCALE 2:1	SSE/D		CHD			ALT. b	ALTD	T.Ukkirapandian	DRN		G.VIMALA	INDIAN RAILWAY STANDARDS					SHEET 1 OF 1			INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA14798		A3
1	FLAT FOR DOOR	3x25x35	1		RDSO/SPEC C-K201 X5 Cr Ni 18 10	0.021																																																																		
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS																																																																	
GROUP: 1-4				SURFACE AREA IN Sq.m.:0.002		WT/ASSY IN Kgs:																																																																		
FLAT FOR DOOR					SCALE 2:1	SSE/D																																																																		
					CHD																																																																			
					ALT. b	ALTD	T.Ukkirapandian																																																																	
					DRN		G.VIMALA																																																																	
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1																																																																			
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA14798		A3																																																																	
<div><div>22-05-2023</div><div>09-01-2013</div><div></div></div> <div><div>DATE OF LATEST ALT.</div><div>DATE OF FIRST ISSUE</div><div>AME/SME</div></div>																																																																								
REF.DRG.NO.LP10112/ITEM-8																																																																								
1		2		3		4		5		6		7		8																																																										

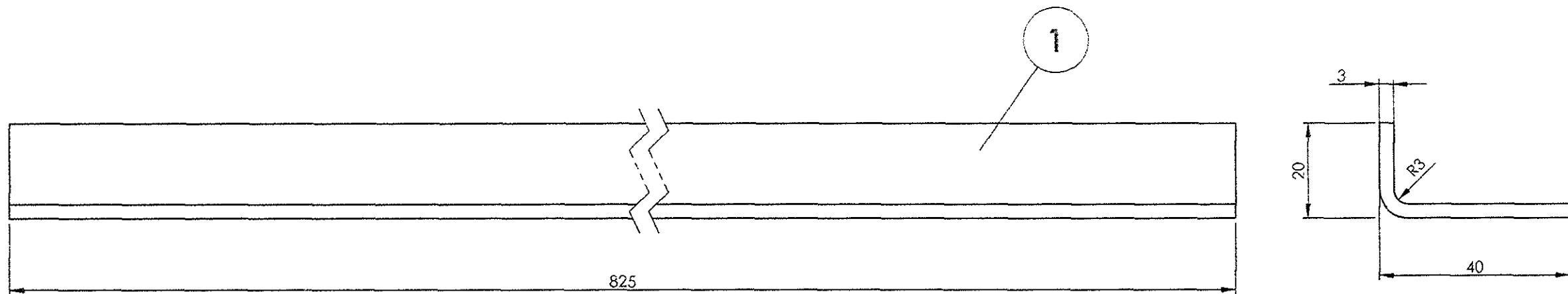
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER EN ISO 2553. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

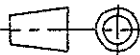


AAA14806

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

REVISIONS				APPROVED & DATE	
ALT.	ZONE	DESCRIPTION			



1	ANGLE	3x54x825	1		RDSO/SPEC C- K201 X2 Cr Ni 12	1.090	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:0.096			WT/ASSY IN Kgs:1.090		
ANGLE					SCALE	SSE/D	<i>P. Sange</i>
					1:1	CHD	
					ALT.	ALTD	
						DRN	G.VIMALA
INDIAN RAILWAY STANDARDS  INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA14806		A3

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

REF.DRG.NO.-

AAA14809

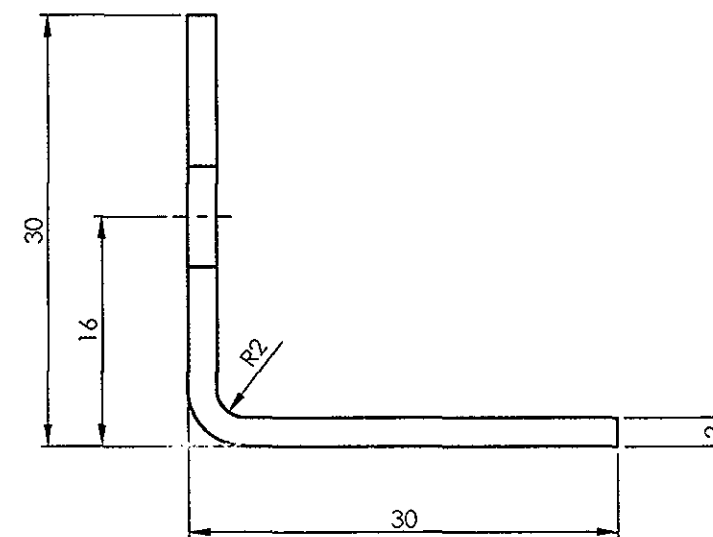
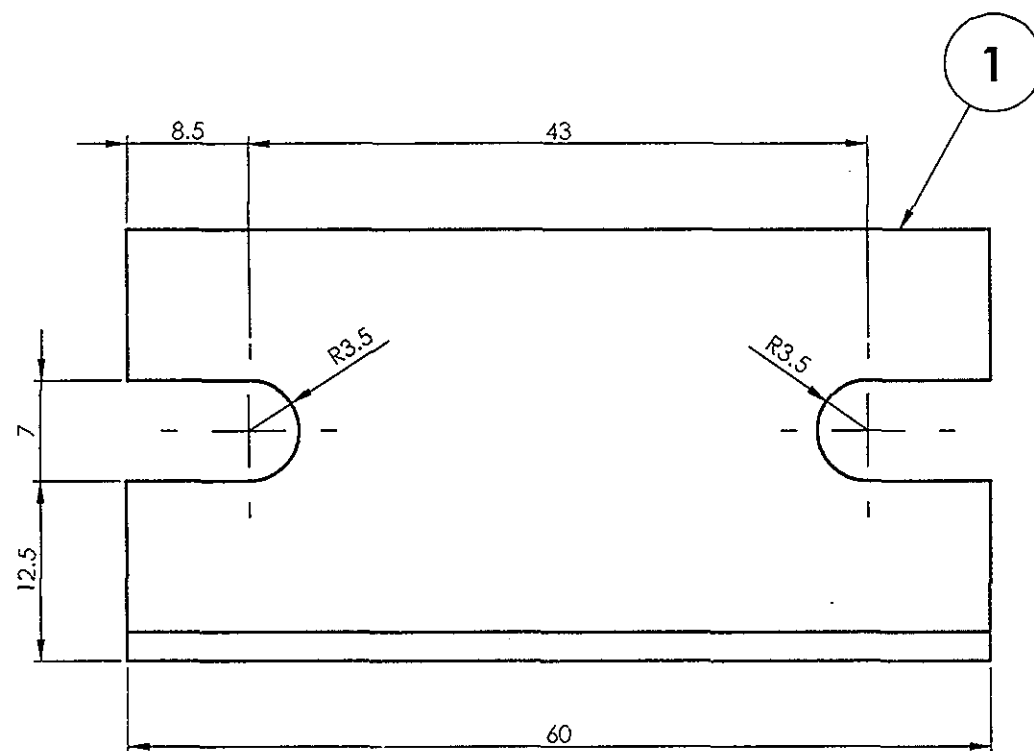
▽ ROUGH MACHINED	⊙ ROUGH CLEANED
▽▽ FINISH MACHINED	⊙ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⊙ CHAMFERED

## REVISIONS

ALT.

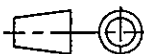
ZONE

DESCRIPTION

APPROVED &  
DATE

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

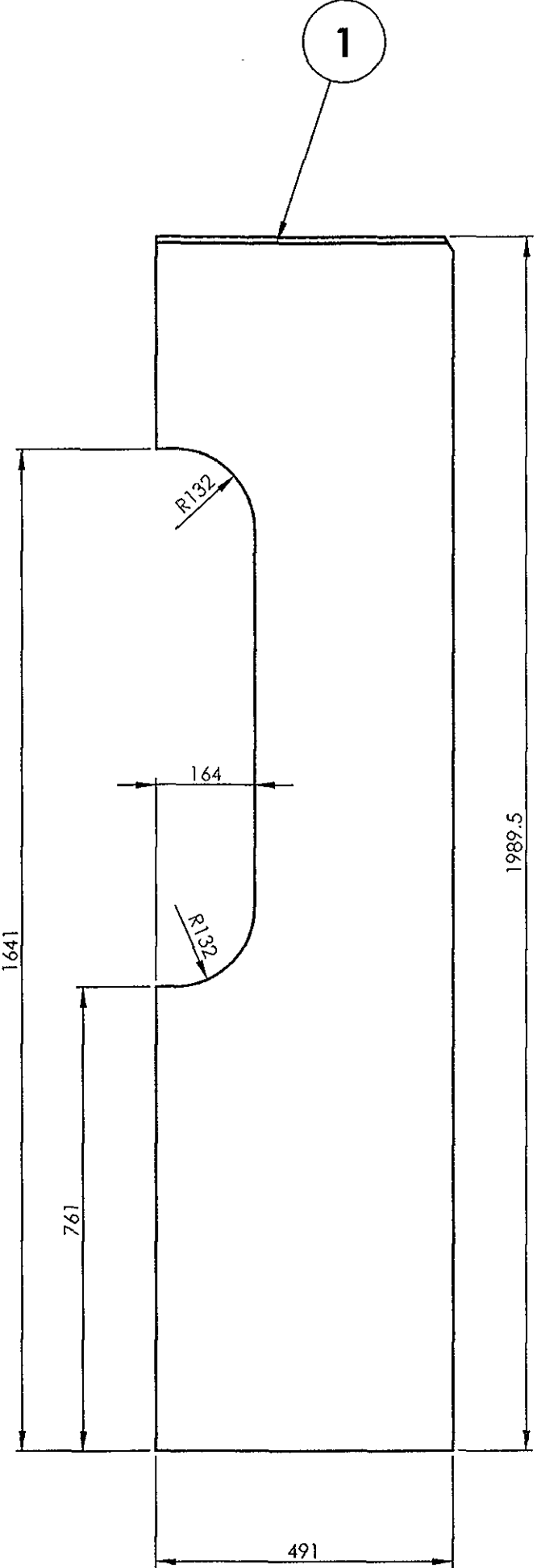
REF.DRG.NO.

1	ANGLE	2x56x60	1		RDSO/SPEC C-K201 X2 Cr Ni 12	0.05	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4 Sidewall assembly		SURFACE AREA IN Sq.m.:0.01			WT/ASSY IN Kgs:0.05		
ANGLE					SCALE	SSE/D	Sporlad
					2:1	CHD	
					ALT.	ALTD	A>Muthukumar
						DRN	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA14809		A3

AAA14810

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



DETAIL X  
SCALE 2 : 1

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

REF.DRG.NO.3.10113.0.20.114.102

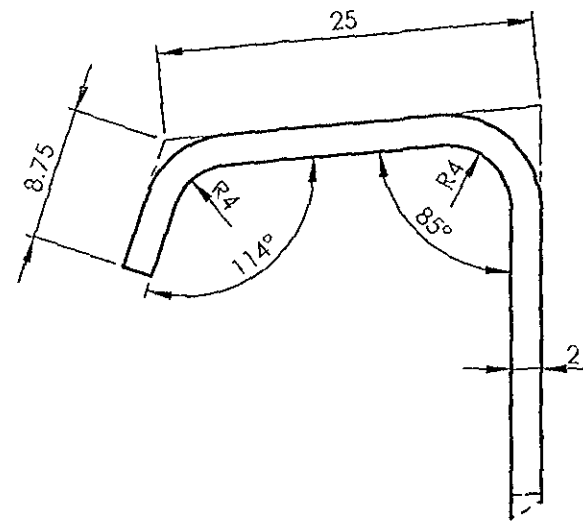
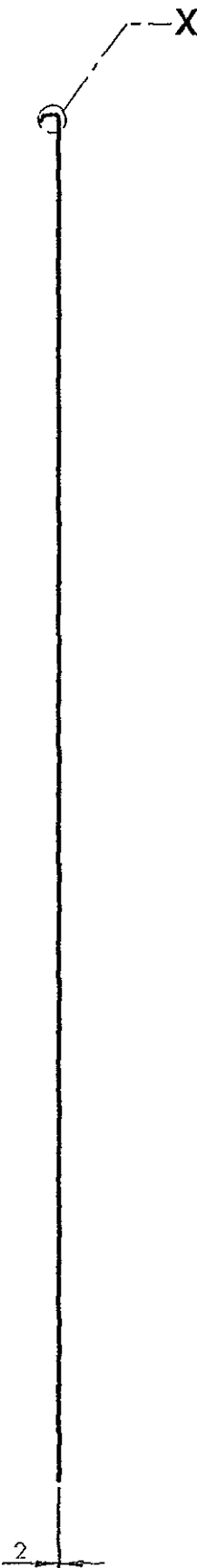
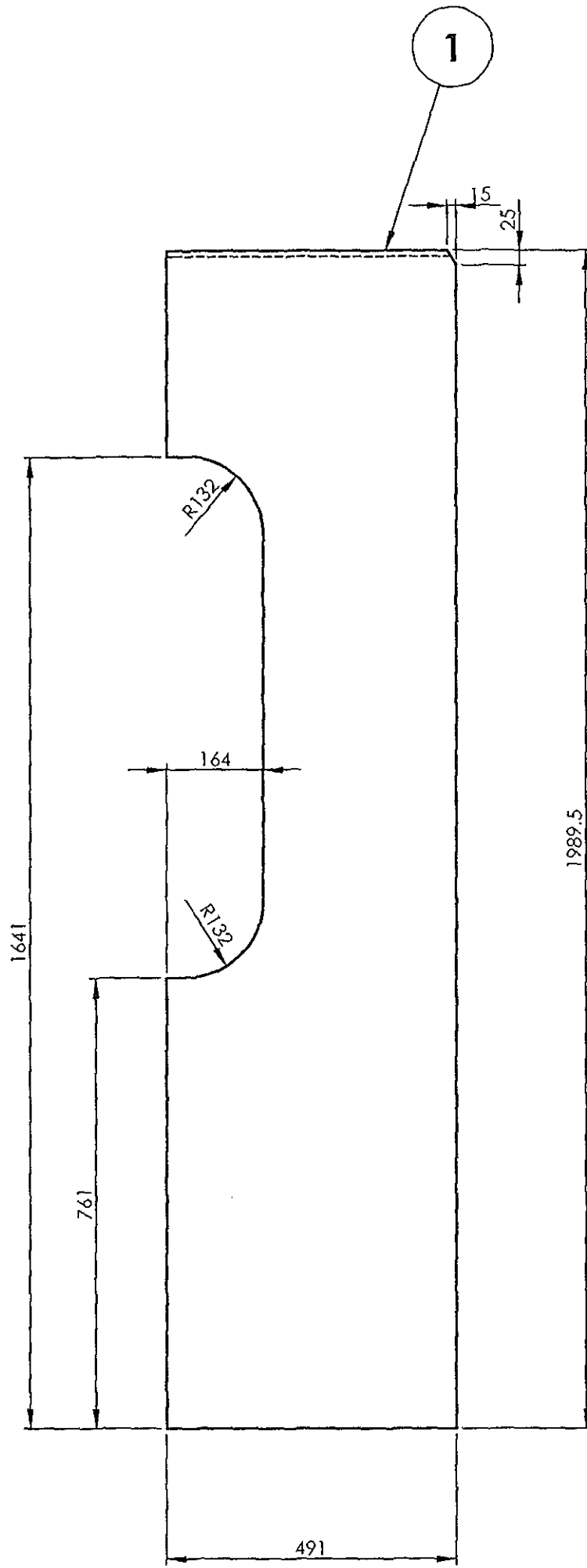
DATE OF LATEST ALL	15-04-2013	10 v 10/10
DATE OF FIRST ISSUE		AME/SME

1	LAV. SIDE WALL SHEET	2x491x2019.5	1		RDSO/SPEC C- K201 X2 Cr Ni 12	13.642	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.: 1.716			WT/ASSY IN Kgs:13.642		
LAV. SIDE WALL SHEET					SCALE 1:10	SSE/D	10/10
						CHD	
					ALT	ALTD	
					DRN	A.Muthukumar	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038					SHEET 1 OF 1		
					AAA14810		A2

AAA14812

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



DETAIL X  
SCALE 2 : 1

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

REF.DRG.NO.3.10113.0.20.114.102

DATE OF LATEST ALL.	15-04-2013	AME/SME
---------------------	------------	---------

1	LAV. SIDE WALL SHEET	2x491x2019.5	1		RDSO/SPEC C- K201 X2 Cr Ni 12	13.642					
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:13.642					
LAV. SIDE WALL SHEET						SCALE 1:10	SSE/D				
							CHD				
						ALT	ALTD	A.Muthukumar			
							DRN				
						INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038					
AAA14812											

AAA14857

▽ ROUGH MACHINED

⊙ ROUGH CLEANED

▽▽ FINISH MACHINED

⊙⊙ BURRS REMOVED

▽▽▽ FINE FINISH MACHINED

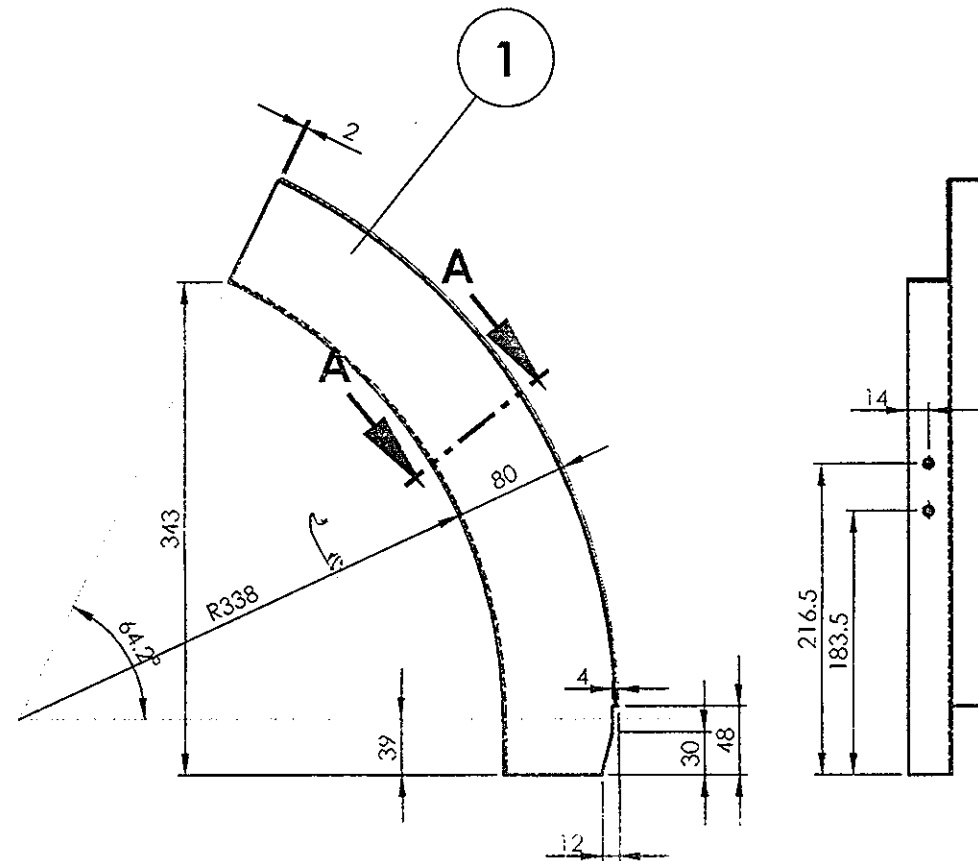
⊙⊙⊙ CHAMFERED

REVISIONS

ALT.

ZONE

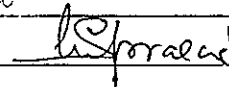
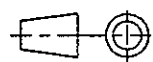
DESCRIPTION

APPROVED &  
DATESECTION A-A  
SCALE 1 : 2

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

REF.DRG.NO.

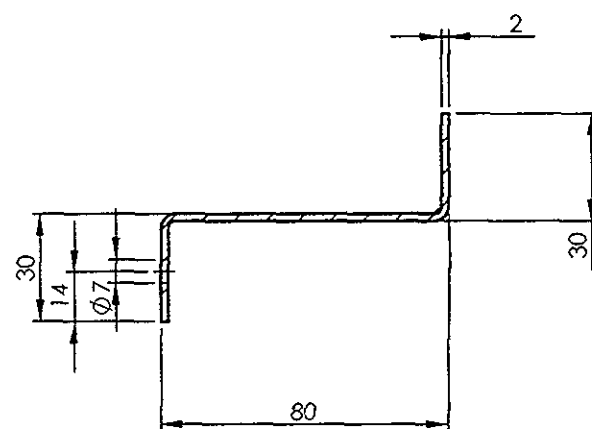
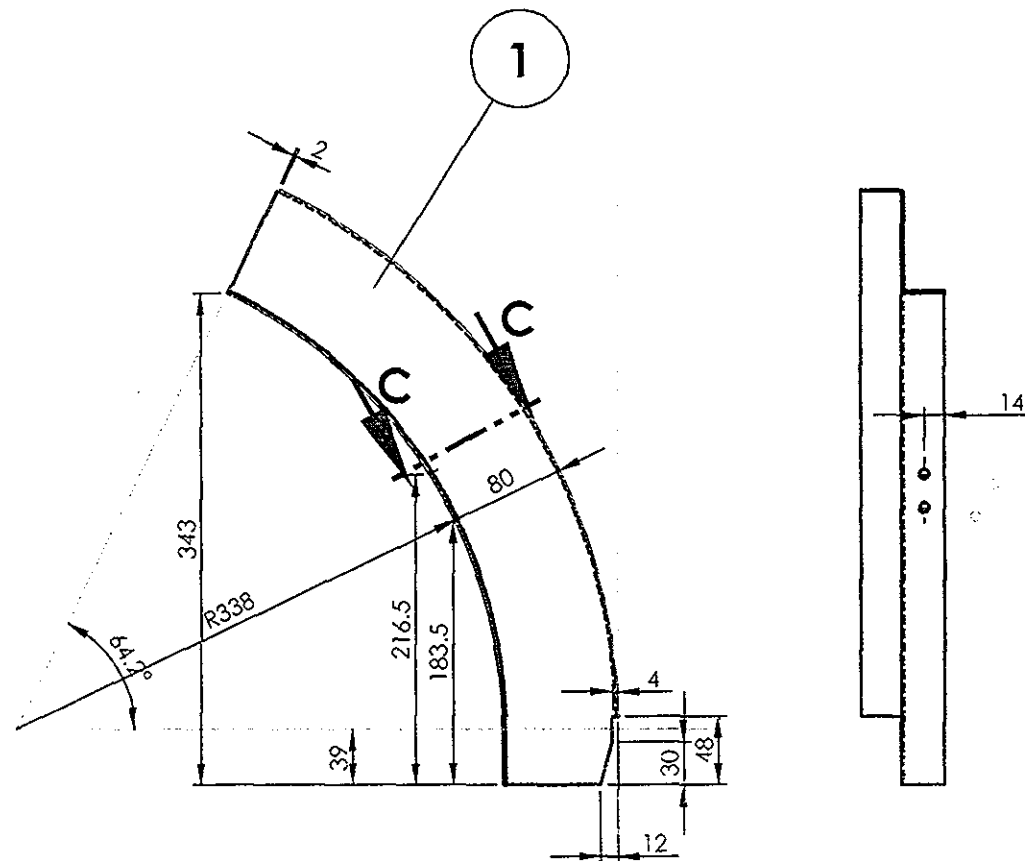
11-03-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE
	AME/SME

1	ARCH	2X305.5X440	1		RDSO/SPEC C-K20: X2CrNi12	0.960	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4			SURFACE AREA IN Sq.m.:0.123		WT/ASSY IN Kgs:0.960		
ARCH					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	
						DRN	A.Muthukumar
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600088							
					SHEET 1 OF 1	AAA14857	A3

AAA14858

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

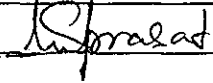

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

SECTION C-C  
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.

REF.DRG.NO.LW14157

DATE OF LATEST ALT.	11-03-2013	AME/SME
---------------------	------------	---------

1	ARCH	2X305.5X440	1		RDSO/SPEC C-K201 X2CrNi12	0.960	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:0.122			WT/ASSY IN Kgs:0.960		
ARCH R H					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	
						DRN	A.Muthukumar
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
SHEET 1 OF 1					AAA14858		A3



AAA14859

▽ ROUGH MACHINED

① ROUGH CLEANED

▽▽ FINISH MACHINED

② BURRS REMOVED

▽▽▽ FINE FINISH MACHINED

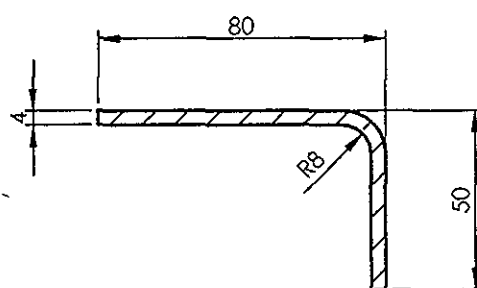
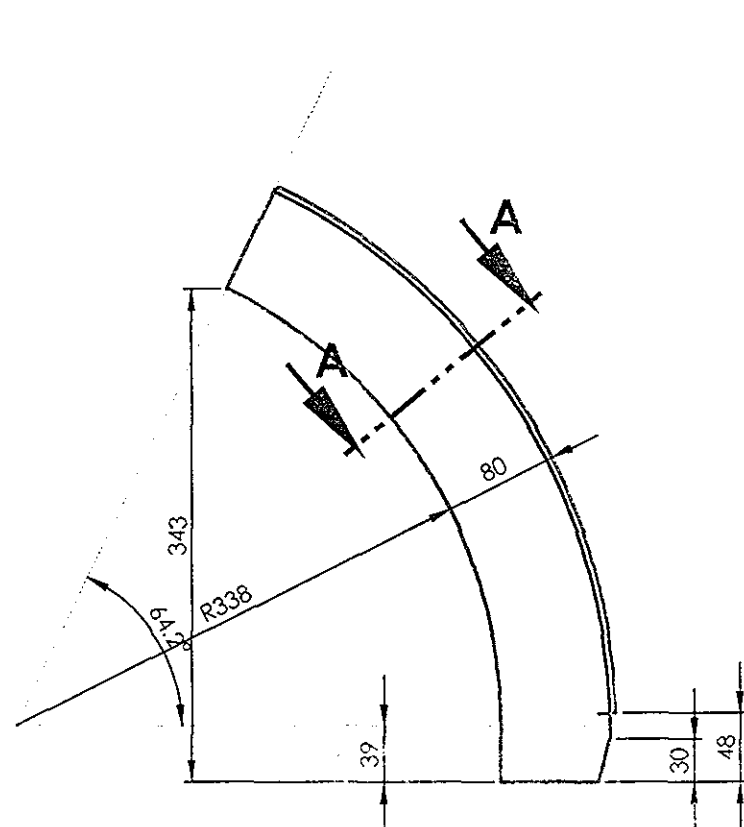
③ CHAMFERED

REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &  
DATESECTION A-A  
SCALE 1 : 2

1	ARCH	4X122.5X476	1		RDSO/SPEC C-K201 X2CrNi12	1.783	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:0.116			WT/ASSY IN Kgs:1.783		
ARCH					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	
						DRN	A.Muthukumar
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1		AAA14859

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

REF.DRG.NO.2.10113.0.20.110.113

AAA14860

▽ ROUGH MACHINED

③ ROUGH CLEANED

▽▽ FINISH MACHINED

④ BURRS REMOVED

▽▽▽ FINE FINISH MACHINED

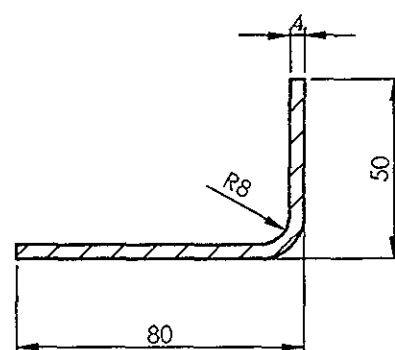
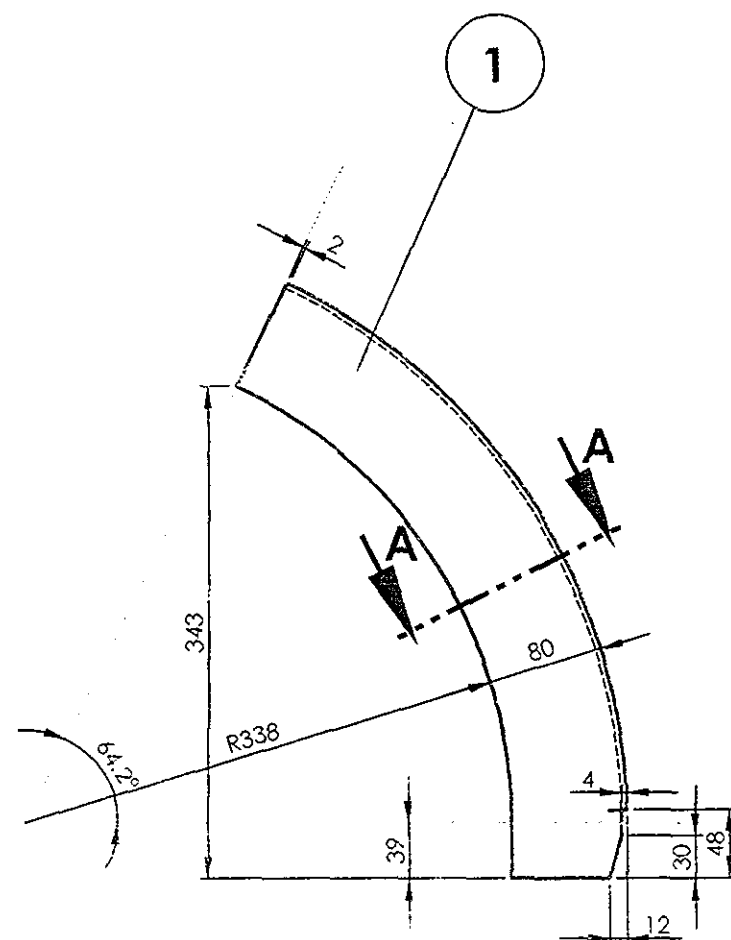
⑤ CHAMFERED

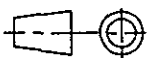
REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &  
DATESECTION A-A  
SCALE 1 : 2

1	ARCH	4x122.5x476	1		RDSO/SPEC C-K201 X2CrNi12	1.783	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4		SURFACE AREA IN Sq.m.:0.116			WT/ASSY IN Kgs:1.783		
ARCH					SCALE	SSE/D	<i>S. Prasad</i>
					1:5	CHD	
					ALT.	ALTD	
						DRN	A.Muthukumar
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600088				SHEET 1 OF 1			
					AAA14860		A3

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

REF.DRG.NO.2.10113.0.20.110.112

DATE OF LATEST ALT.

11-03-2013

DATE OF FIRST ISSUE

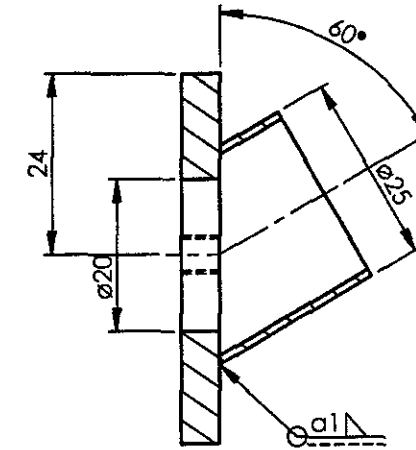
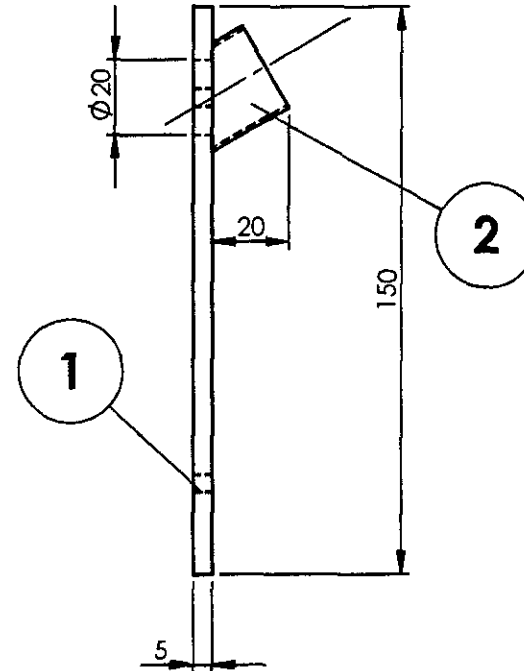
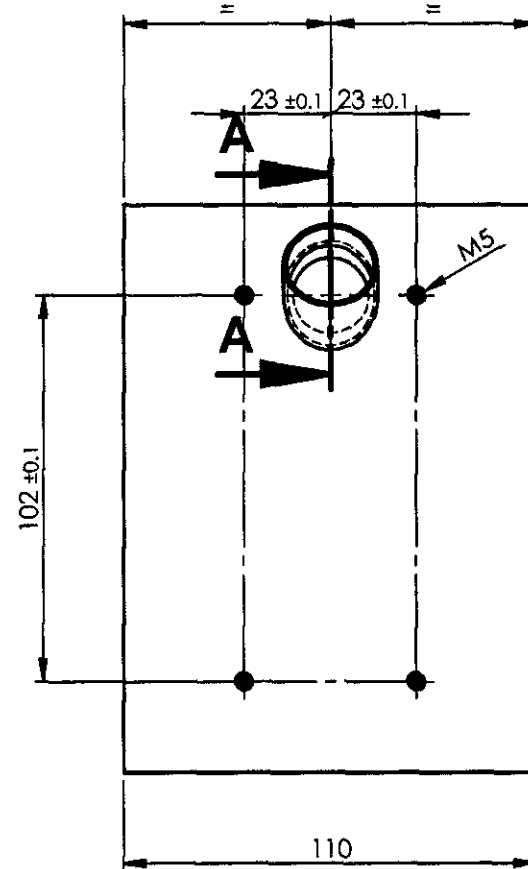
AME/SME

AAA14904

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

## REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		#20 HOLE RELOCATED, ITEM-2 AND SECTION-AA ADDED.	-sd-
b		M5 TAPPED HOLES ADDED.	-sd-
c		NOTE ADDED.	<i>sd</i>



SECTION A-A

**NOTE:-**

# 1. ALTERNATIVELY AISI-304/SS-304 (X02Cr19Ni10)/IS:6911(X04Cr19Ni9) ALSO ACCEPTABLE.

1	PIPE	1xOD25x23	2		AISI304	0.010	
1	BACKPIECE	5x110x150	1		RDSO/SPEC C-K 201 X2CrNi12	0.645	#
QTY.	DESCRIPTION	DIMENSION	ITEM NO.	REF. DRGS	MATL. SPEC.	WT/UNIT IN KGS	REMARKS

GROUP: 1-4 Body Side Walls

SURFACE AREA IN Sq.m.:0.038

WT/ASSY IN Kgs:0.655

## BACKPIECE FOR PACIL

SCALE  
1:1SSE/D  
CHDALT.  
cALTD  
DRNKunti Thakur  
A.Muthukumar

INDIAN RAILWAY STANDARDS

INTEGRAL COACH FACTORY, CHENNAI - 600038

SHEET  
1 OF 1

AAA14904

A3

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

REF.DRG.NO.

-08-2024

DATE OF LATEST ALT.

15-04-2013

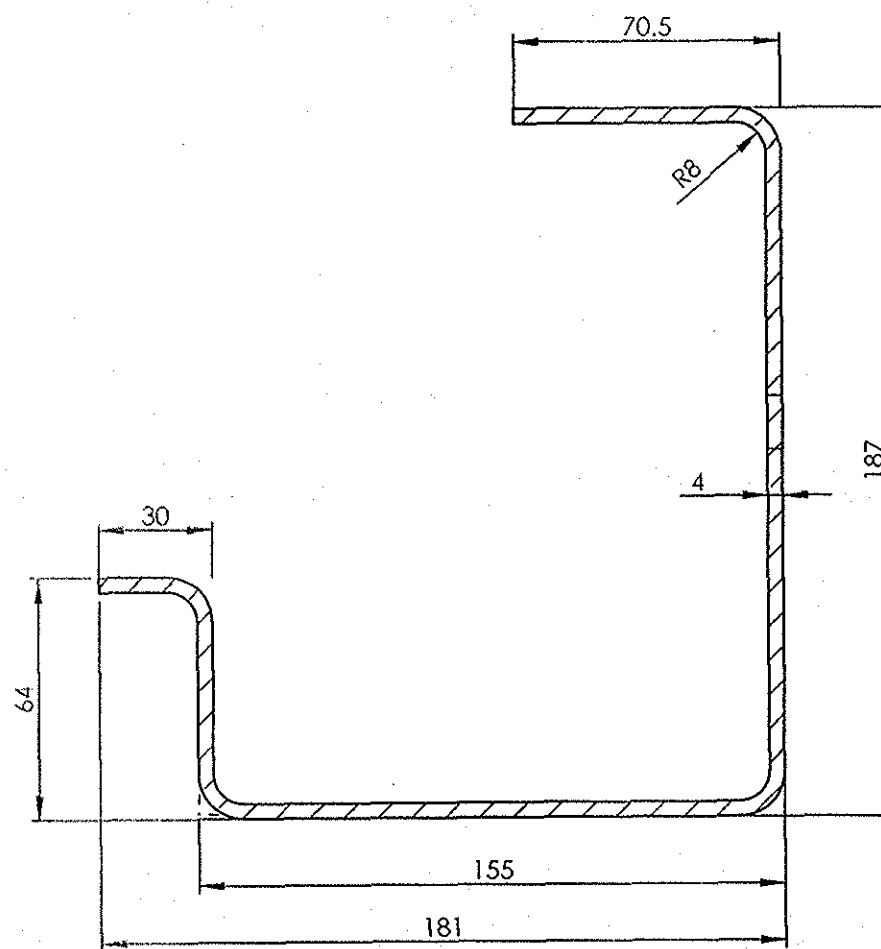
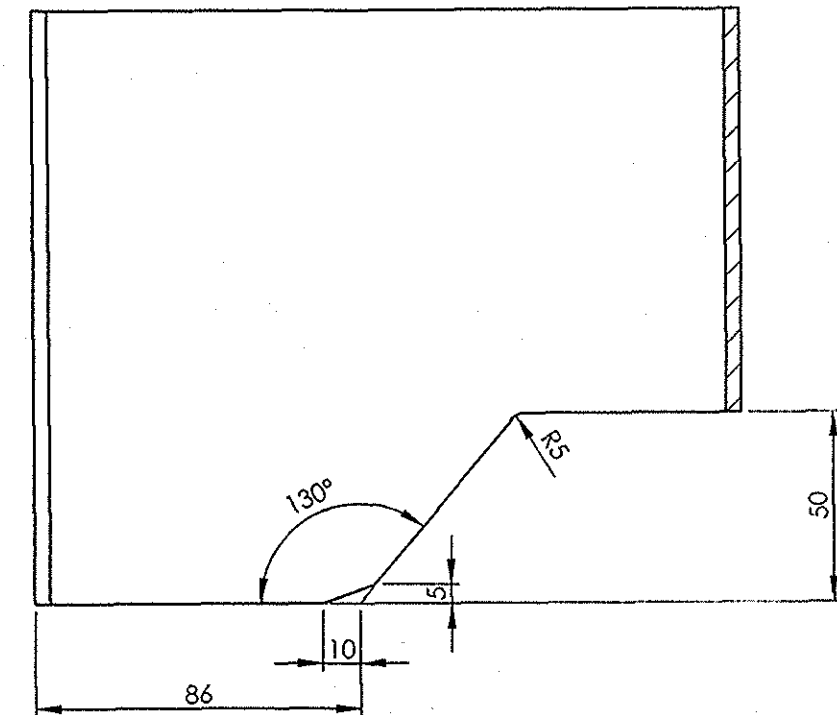
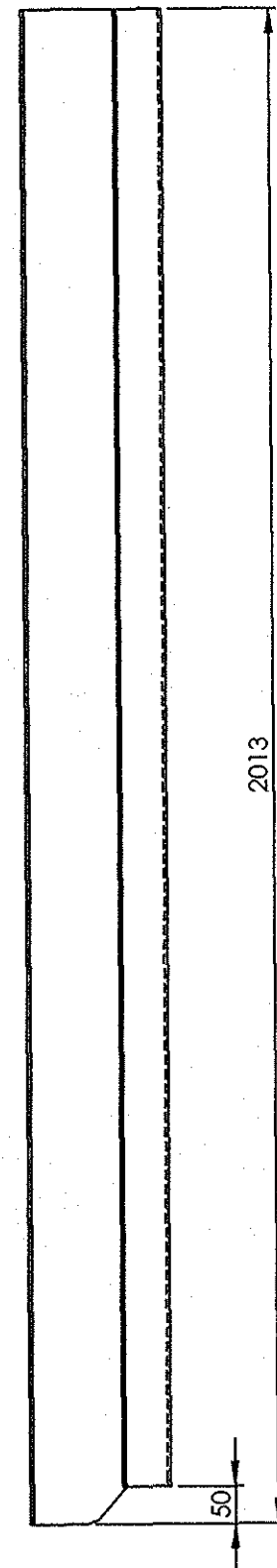
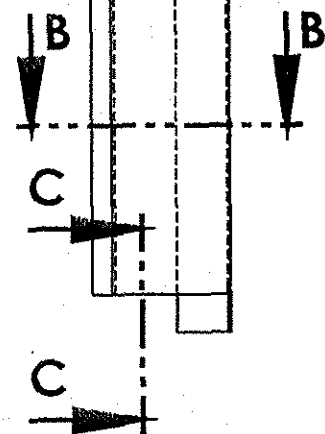
DATE OF FIRST ISSUE

AME/SME

AAA14921

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


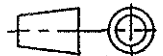
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

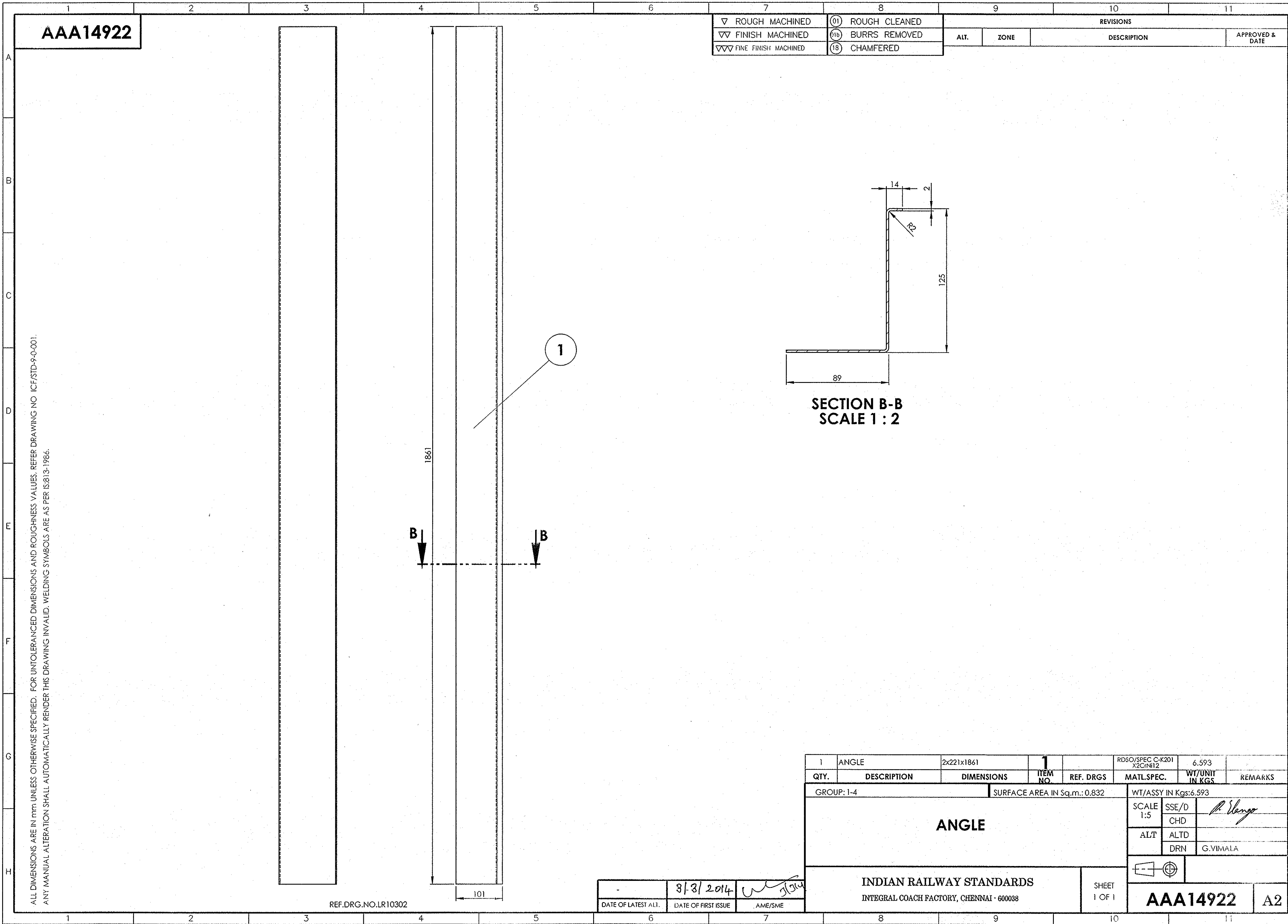
SECTION B-B  
SCALE 1 : 2SECTION C-C  
SCALE 1 : 2

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

REF.DRG.NO.LR10301

DATE OF LATEST ALT.	3/3/2014	AME/SME
DATE OF FIRST ISSUE		

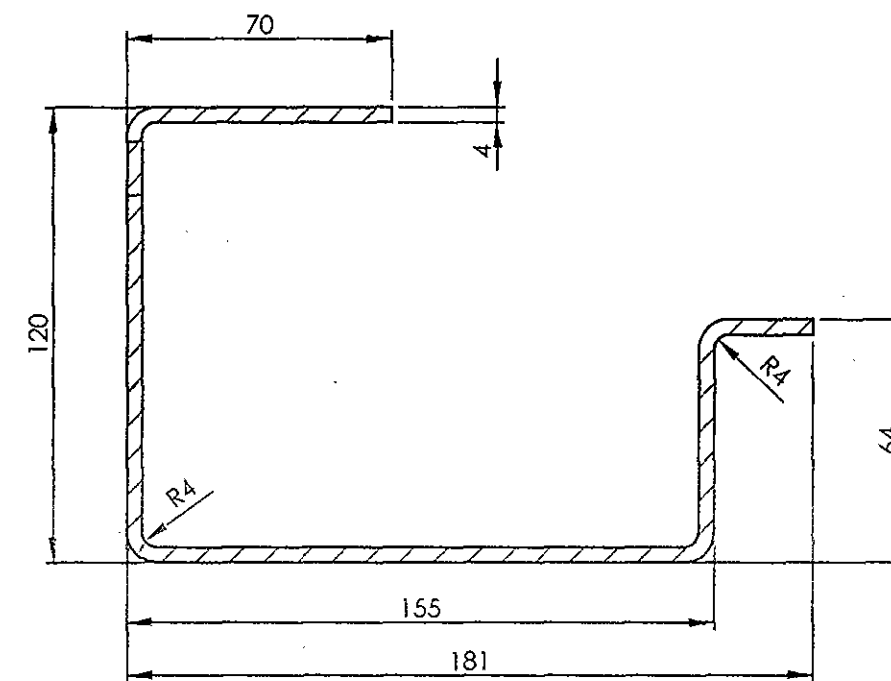
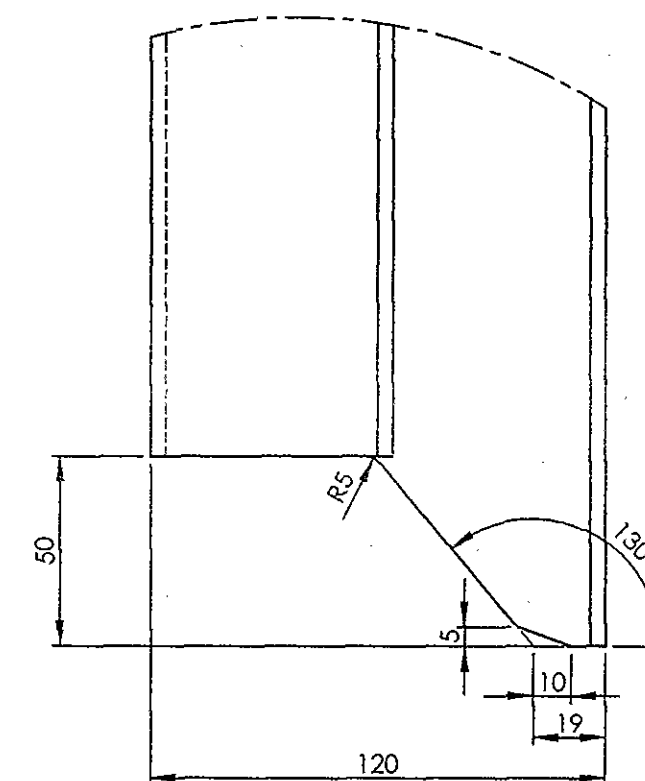
1	DOOR PILLAR	4x473x2013	1		RD50/SPEC C-K201 X2CmH12	30.003	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4			SURFACE AREA IN Sq.m.: 1.895		WT/ASSY IN Kgs:30.065		
DOOR PILLAR					SCALE 1:10	SSE/D	
						CHD	
					ALT	ALTD	
						DRN	G.VIMALA
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1	AAA14921	A2



AAA14923

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


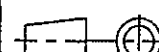
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

SECTION A-A  
SCALE 1 : 2DETAIL B  
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.

REF.DRG.NO.LR10301

DATE OF LATEST ALT.	3-3/2014	AME/SME
---------------------	----------	---------

1	DOOR PILLAR	4x473x2013	1		RDSO/SPEC C-K201 X2CIN12	26.089	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-4			SURFACE AREA IN Sq.m.: 1.650			WT/ASSY IN Kgs:26.089	
DOOR PILLAR					SCALE 1:10	SSE/D	
					CHD		
					ALT	ALTD	
					DRN	G.VIMALA	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			A2
					AAA14923		



1		2		3		4		5		6		7		8		9		10		11	
AAA14924																					
A																					
B																					
C																					
D																					
E																					
F																					
G																					
H																					
I																					
J																					
K																					
L																					
M																					
N																					
O																					
P																					
Q																					
R																					
S																					
T																					
U																					
V																					
W																					
X																					
Y																					
Z																					
AA																					
AB																					
AC																					
AD																					
AE																					
AF																					
AG																					
AH																					
AI																					
AJ																					
AK																					
AL																					
AM																					
AN																					
AO																					
AP																					
AQ																					
AR																					
AS																					
AT																					
AU																					
AV																					
AW																					
AX																					
AY																					
AZ																					
BA																					
BB																					
BC																					
BD																					
BE																					
BF																					
BG																					
BH																					
BI																					
BJ																					
BK																					
BL																					
BM																					
BN																					
BO																					
BP																					
BQ																					
BR																					
BS																					
BT																					
BU																					
BV																					
BW																					
BX																					
BY																					
BZ																					
CA																					
CB																					
CC																					
CD																					
CE																					
CF																					
CG																					
CH																					
CI																					
CJ																					
CK																					
CL																					
CM																					
CN																					
CO																					
CP																					
CQ																					
CR																					
CS																					
CT																					
CU																					
CV																					
CW																					
CX																					
CY																					
CZ																					
DA																					
DB																					
DC																					
DD																					
DE																					
DF																					
DG																					
DH																					
DI																					
DJ																					
DK																					
DL																					
DM																					
DN																					
DO																					
DP																					
DQ																					
DR																					
DS																					
DT																					
DU																					
DV																					
DW																					
DX																					
DY																					
DZ																					
EA																					
EB																					
EC																					
ED																					
EE																					
EF																					
EG																					
EH																					
EI																					
EJ																					
EK																					
EL																					
EM																					
EN																					
EO																					
EP																					
EQ																					
ER																					
ES																					
ET																					
EU																					
EV																					
EW																					
EX																					
EY																					
EZ																					
FA																					
FB																					
FC																					
FD																					
FE																					
FF																					
FG																					
FH																					
FI																					
FJ																					
FK																					
FL																					
FM																					
FN																					
FO																					
FP																					
FQ																					
FR																					
FS																					
FT																					
FU																					
FV																					
FW																					
FX																					
FY																					
FZ																					
GA																					
GB																					
GC																					
GD																					
GE																					
GF																					
GG																					
GH																					
GI																					
GJ																					
GK																					
GL																					
GM																					
GN																					
GO																					
GP																					
GQ																					
GR																					
GS																					
GT																					
GU																					
GV																					
GW																					
GX																					
GY																					
GZ																					
HA																					
HB																					
HC																					
HD																					
HE																					
HF																					
HG																					
HH																					
HI																					
HJ																					
HK																					
HL																					
HM																					
HN																					
HO																					
HP																					
HQ																					
HR																					
HS																					
HT																					
HU																					
HV																					
HW																					
HX																					
HY																					
HZ																					
IA																					
IB																					
IC																					
ID																					
IE																					
IF																					
IG																					
IH																					
II																					
IJ																					
IK																					
IL																					
IM																					
IN																					
IO																					
IP																					
IQ																					
IR																					
IS																					
IT																					
IU																					
IV																					
IW																					
IX																					
IY																					
IZ																					
JA																					
JB																					
JC																					
JD																					
JE																					
JF																					
JG																					
JH																					
JI																					
JJ																					
JK																					
JL																					
JM																					
JN																					
JO																					
JP																					
JQ																					
JR																					
JS																					
JT																					
JU																					
JV																					
JW																					
JX																					
JY																					
JZ																					
KA																					
KB																					
KC																					
KD																					
KE																					
KF																					
KG																					
KH																					
KI																					
KJ																					
KK																					
KL																					
KM																					
KN																					
KO																					
KP																					
KQ																					
KR																					
KS																					
KT																					
KU																					
KV																					
KW																					
KX																					
KY																					
KZ																					
LA																					
LB																					
LC																					
LD																					
LE																					
LF																					
LG																					
LH																					
LI																					
LJ																					
LK																					
LL																					
LM																					
LN																					
LO																					
LP																					
LQ																					
LR																					
LS																					
LT																					
LU																					
LV																					
LW																					
LX																					
LY																					
LZ																					
MA																					
MB																					
MC																					
MD																					
ME																					
MF																					
MG																					
MH																					
MI																					
MJ																					
MK																					
ML																					
MN																					
MO																					
MP																					
MQ																					
MR																					
MS																					
MT																					
MU																					
MV																					
MW																					
MX																					
MY																					
MZ																					
NA																					
NB																					
NC																					
ND																					
NE																					
NF																					
NG																					
NH																					
NI																					
NJ																					
NK																					
NL																					
NM																					
NN																					
NO																					
NP																					
NQ																					
NR																					
NS																					
NT																					
NU																					
NV																					
NW																					
NX																					
NY																					
NZ																					
OA																					
OB																					
OC																					
OD																					
OE																					
OF																					
OG																					
OH																					
OI																					
OJ																					
OK																					
OL																					
OM																					
ON																					
OO																					
OP																					
OQ																					
OR																					
OS																					
OT																					
OU																					
OV																					
OW																					
OX																					
OY																					
OZ																					
PA																					
PB																					
PC																					
PD																					
PE																					
PF																					
PG																					
PH																					
PI																					
PJ																					
PK																					
PL																					
PM																					
PN																					
PO																					
PP																					
PQ																					
PR																					
PS																					
PT																					
PU																					
PV																					
PW																					
PX																					
PY																					
PZ																					
QA																					
QB																					
QC																					
QD																					
QE																					
QF																					
QG																					
QH																					
QI																					
QJ																					
QK																					
QL																					
QM																					
QN																					
QO																					
QP																					
QQ																					
QR																					
QS																					
QT																					
QU																					
QV																					
QW																					
QX																					
QY																					
QZ																					
RA																					
RB																					
RC																					
RD																					
RE																					
RF																					
RG																					
RH																					
RI																					
RJ																					
RK																					
RL																					
RM																					
RN																					
RO																					
RP																					
RQ																					
RR																					
RS																					
RT																					
RU																					
RV																					
RW																					
RX																					
RY																					
RZ																					
SA																					
SB																					
SC																					
SD																					
SE																					
SF																					
SG																					
SH																					
SI																					
SJ																					
SK																					
SL																					
SM																					
SN																					
SO																					
SP																					
SQ																					
SR																					
SS																					
ST																					
SU																					
SV																					
SW																					
SX																					
SY																					
SZ																					
TA																					
TB																					
TC																					
TD																					
TE																					
TF																					
TG																					
TH																					
TI																					
TJ																					
TK																					
TL																					
TM																					
TN																					
TO																					
TP																					
TQ																					
TR																					
TS																					
TT																					
TU																					
TV																					
TW																					
TX																					
TY																					
TZ																					
UA																					
UB																					
UC																					
UD																					
UE																					
UF																					
UG																					
UH																					
UI																					
UJ																					
UK																					
UL																					
UM																					
UN																					
UO																					
UP																					
UQ																					
UR																					
US																					
UT																					
UU																					
UV																					
UW																					
UX																					
UY																					
UZ																					
VA																					
VB																					
VC																					
VD																					
VE																					
VF																					
VG																					
VH																					