
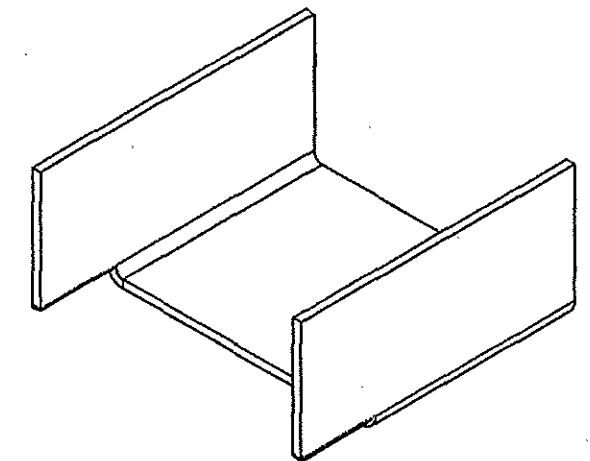
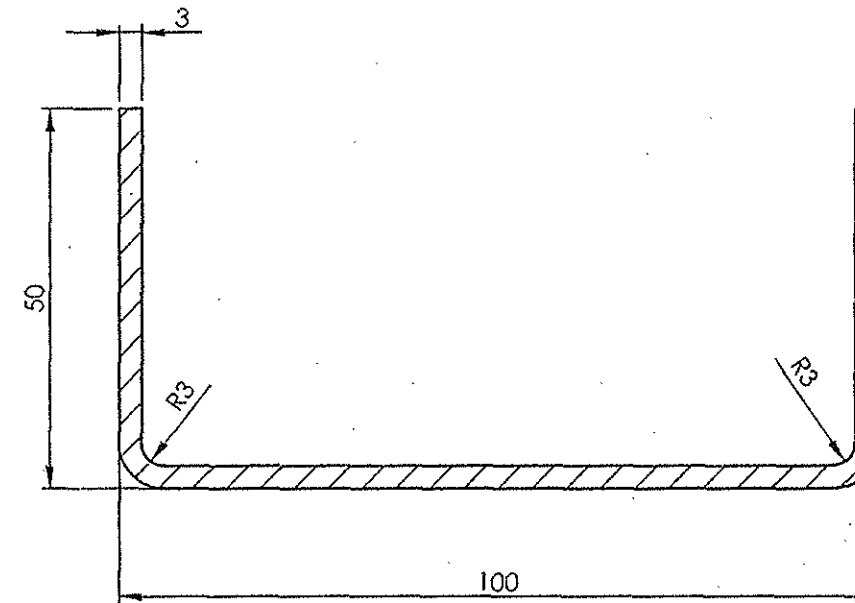
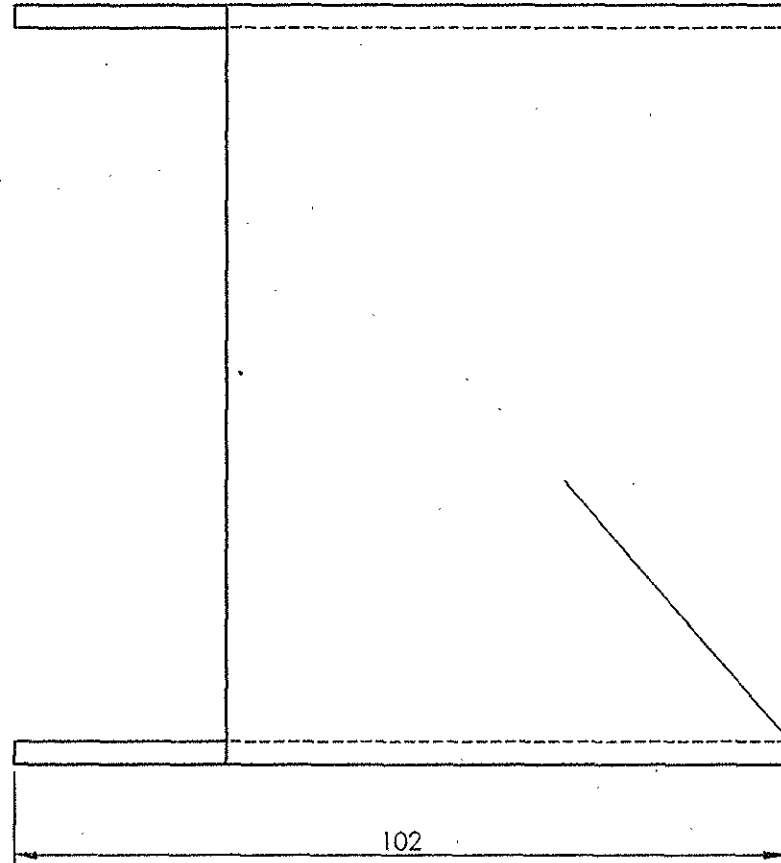


AAA16980

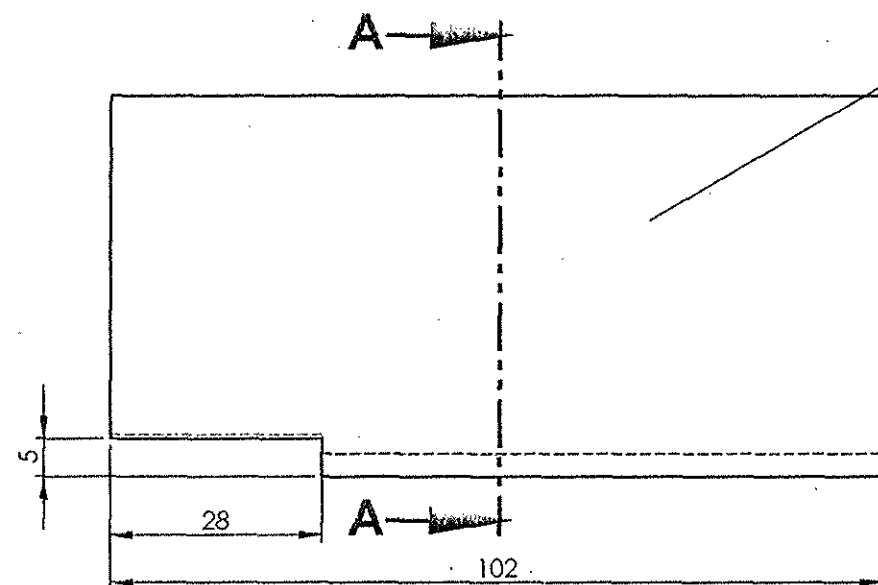
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATL. SPEC. ALTD.	 19/11

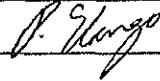



ISOMETRIC VIEW

SECTION A-A



1

1	CHANNEL	3x188x102	1		RDSO/SPEC C-K201 X2CrNi12	0.398	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:0.035			WT/ASSY IN Kgs:		
CHANNEL					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	MATHANKUMAR J
					a	DRN	B.Suresh
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
						A3	
					SHEET 1 OF 1	AAA16980	


19-11-2015	13-08-2013	<i>P. George</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

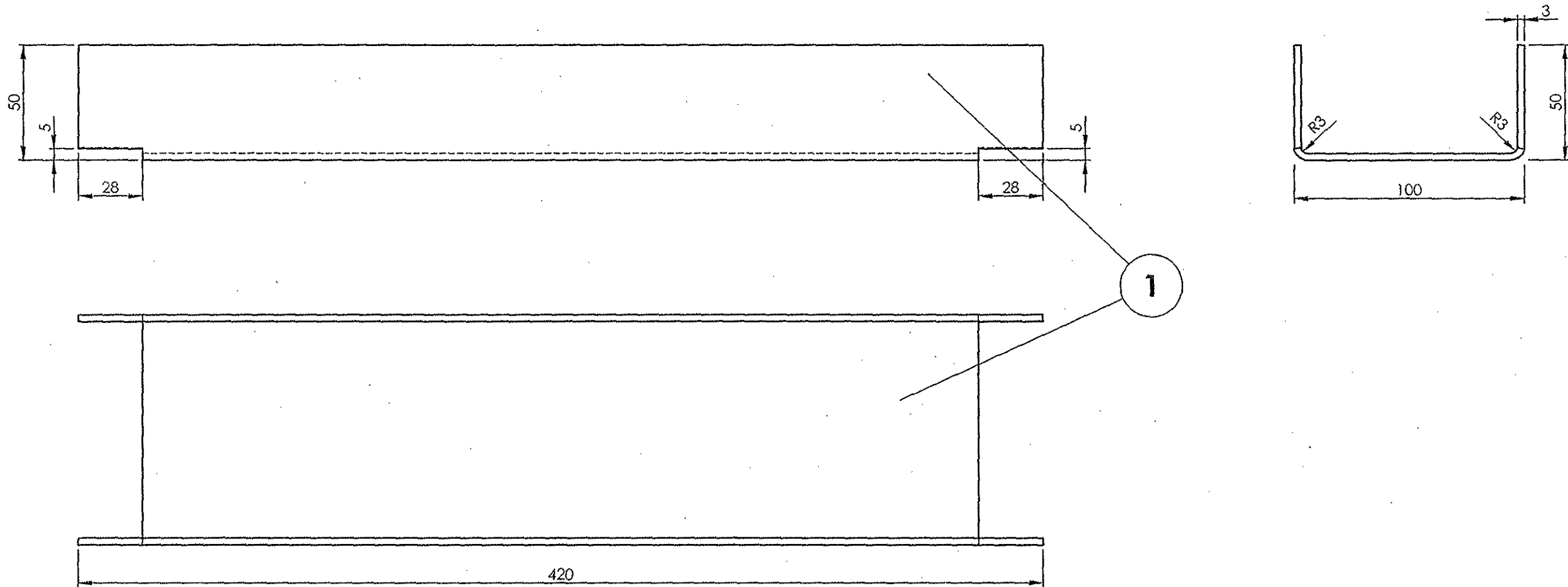
REF.DRG.NO.LG10204

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

AAA16981

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



REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATL. SPEC. ALTD.	 19/11



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

REF.DRG.NO.LG10203

19-11-2015	13-08-2013	<i>P. Suresh</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	A/E/SME

1	CHANNEL	3x188x420	1		RDSO/SPEC C-K201 X2CrNi12	1.781	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:0.152			WT/ASSY IN Kgs:		
CHANNEL					SCALE	SSE/D	
					1:5	CHD	
					ALT. a	ALTD	MATHANKUMAR J
						DRN	B.Suresh
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA16981		A3

AAA16982

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED

② BURRS REMOVED

③ CHAMFERED

REVISIONS

ALT.

ZONE

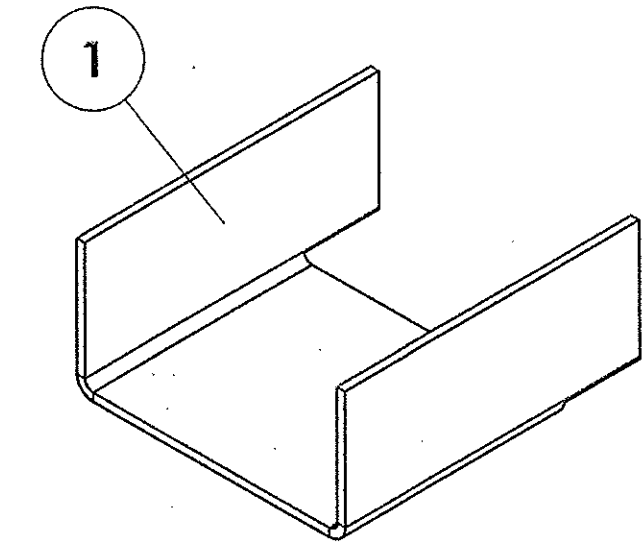
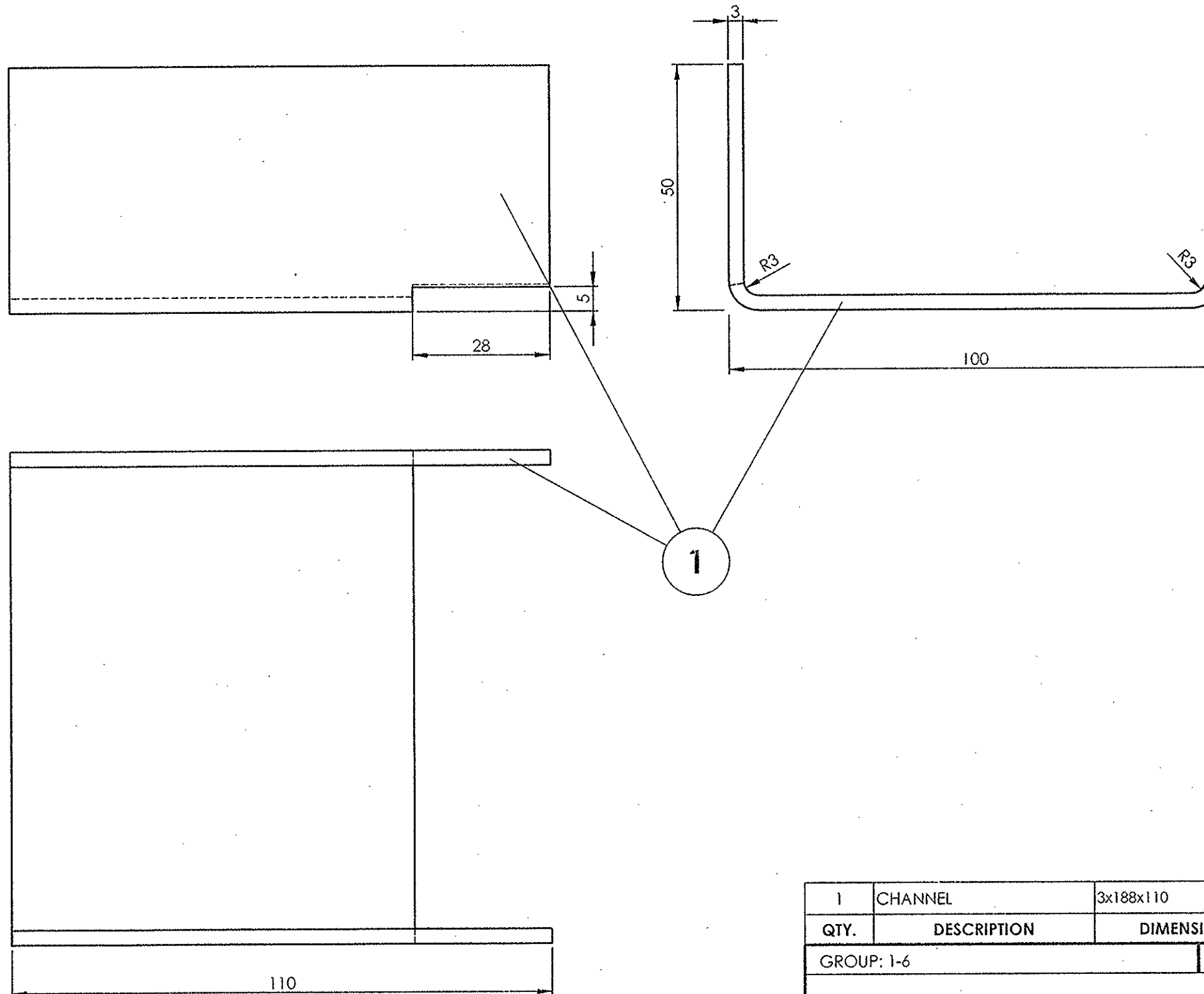
DESCRIPTION

APPROVED &
DATE

a

MATL. SPEC. ALTD.

17/3

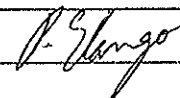
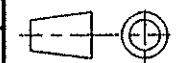


ISOMETRIC VIEW

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

REF.DRG.NO.LG10205

19-11-2015	13-08-2013	A.S.
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

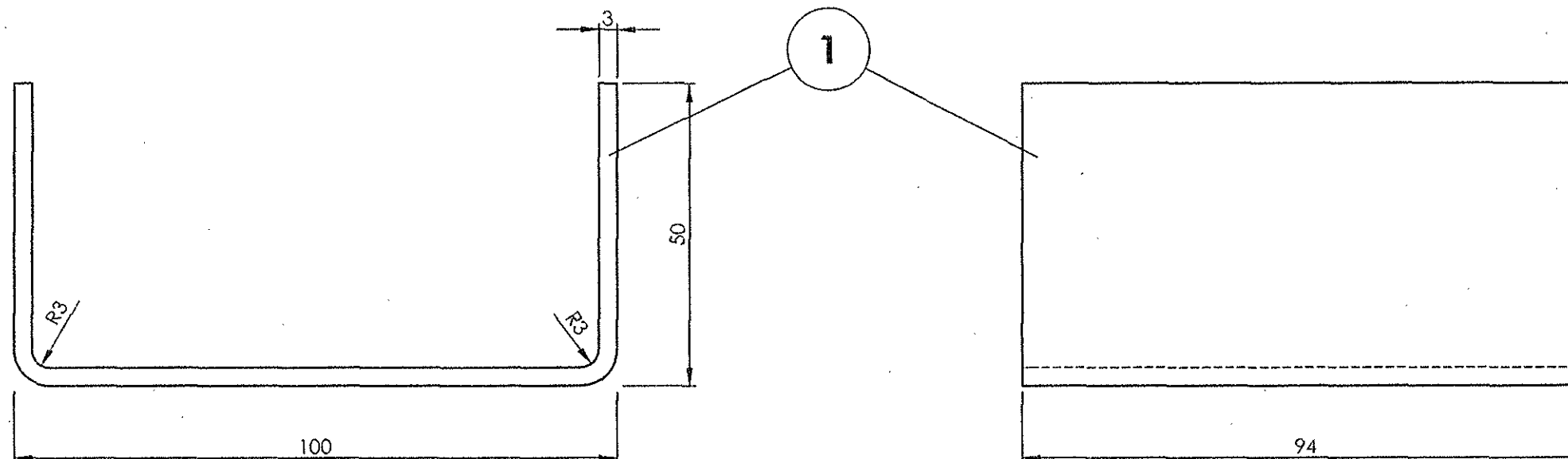
1	CHANNEL	3x188x110	1		RDSO/SPEC C-K201 X2CrNi12	0.434	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:0.038			WT/ASSY IN Kgs:		
CHANNEL					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	MATHANKUMAR J
					a	DRN	B.Suresh
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1		AAA16982

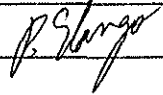

AAA16983

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

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATL. SPEC. ALTD.	<i>P. Suresh</i> 19/11/15



1	CHANNEL	3x188x94	1		RDSO/SPEC C-K201 X2CrNi12	0.429	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:0.037			WT/ASSY IN Kgs:		
CHANNEL					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	MATHANKUMAR J
					a	DRN	B.Suresh
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA16983	A3	

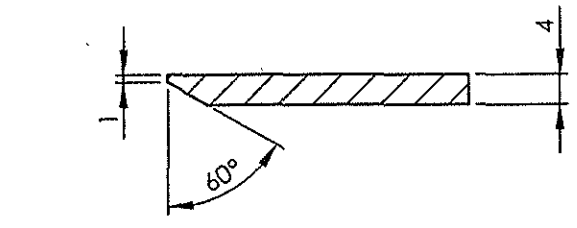
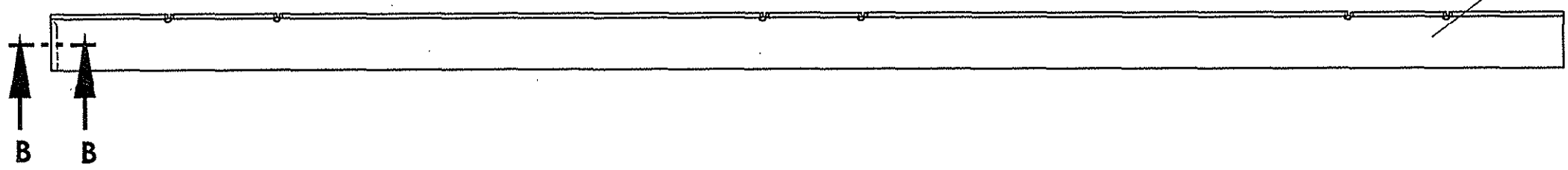
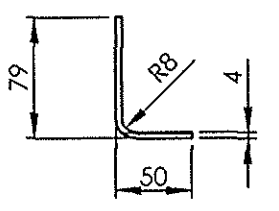
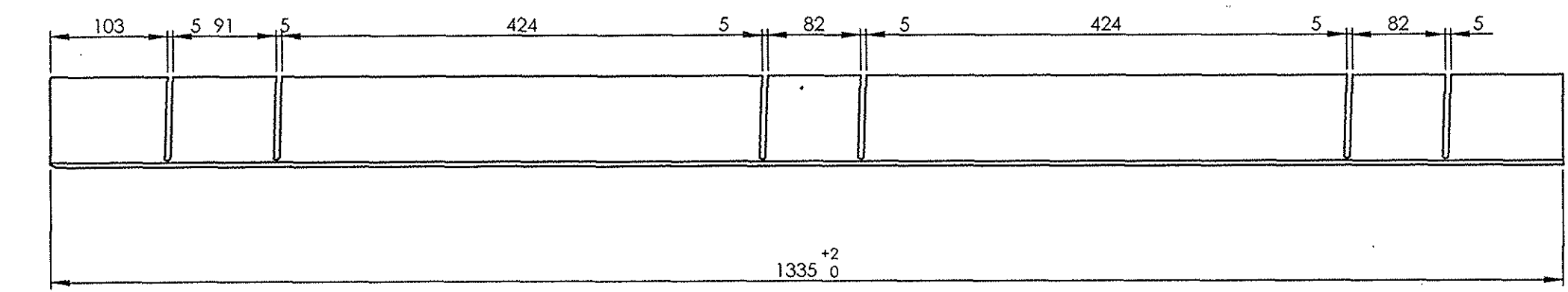
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.LR10161/ITEM-11

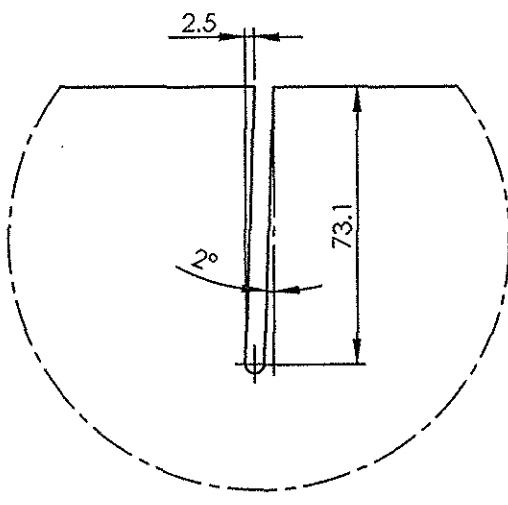
AAA16986

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

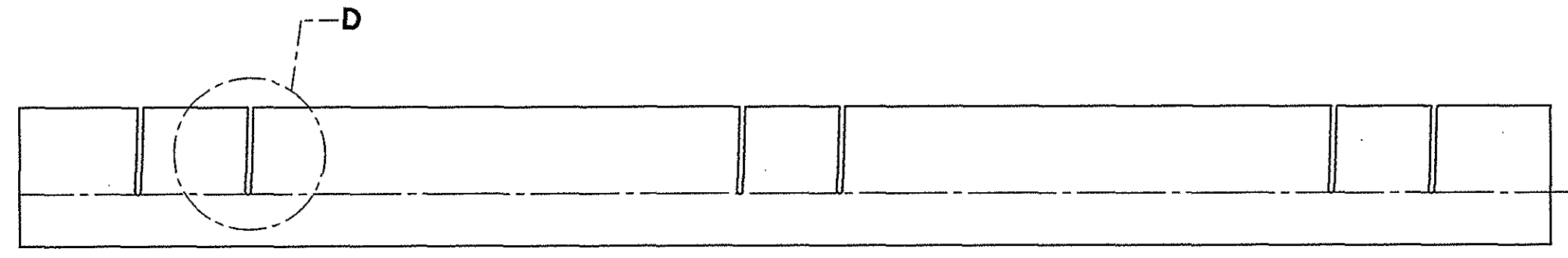
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATL. SPEC. ALTD.	-sd-
b		SECTION C-C, DETAIL-E & F DELETED. LENGTH ALTD FROM 1353mm TO 1335mm.	22/5



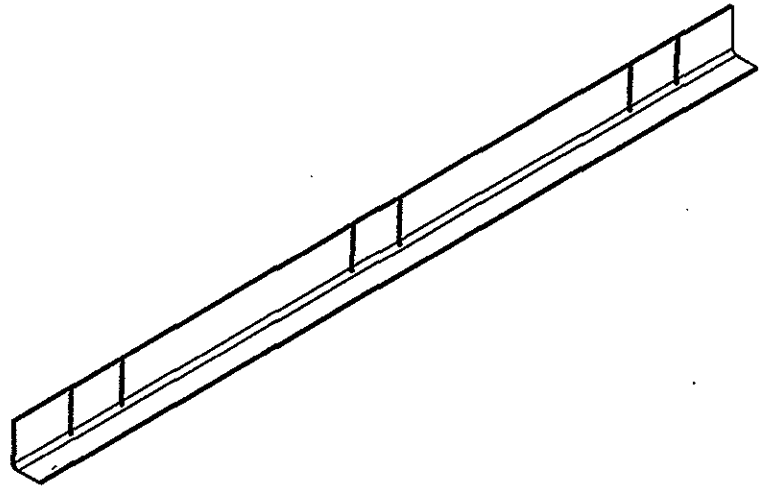
SECTION B-B
SCALE 1 : 1



DETAIL D
SCALE 1 : 2



DEVELOPED VIEW




ISOMETRIC VIEW

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

REF.DRG.NO.LG10199_a

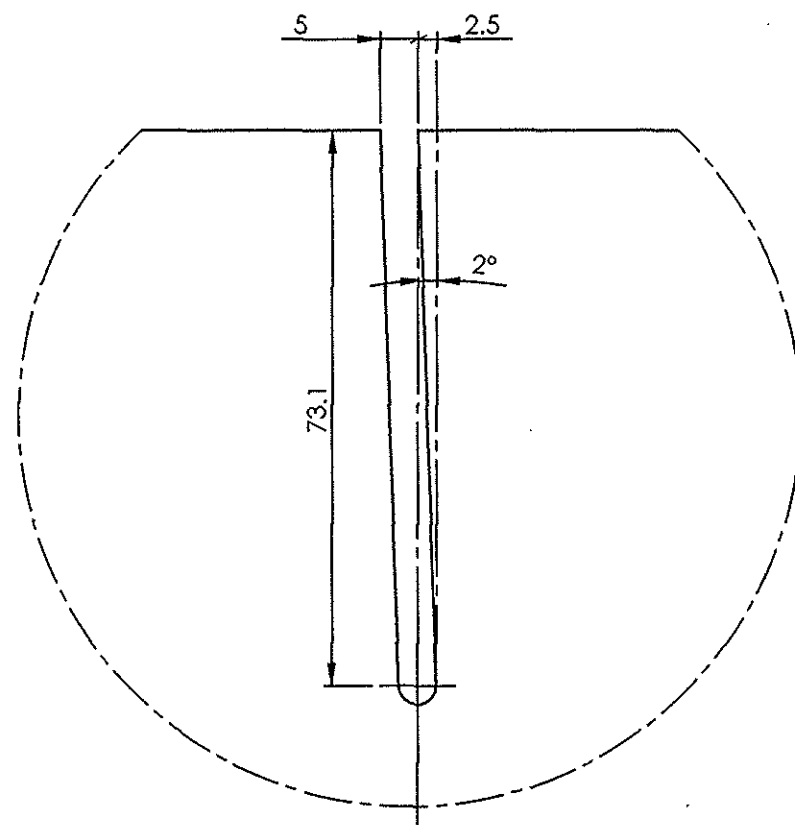
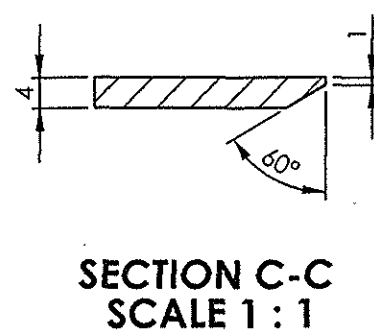
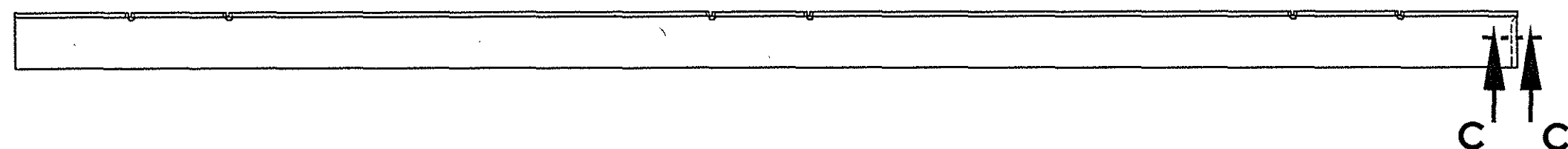
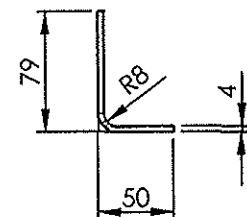
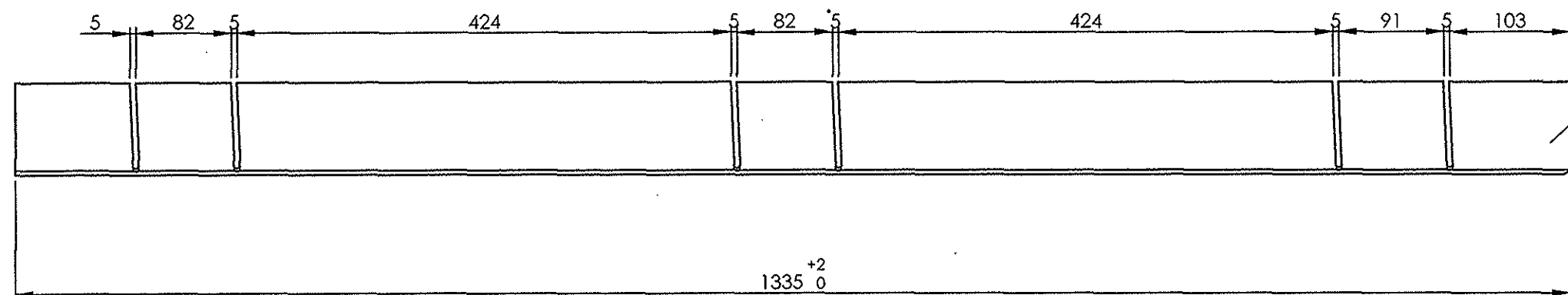
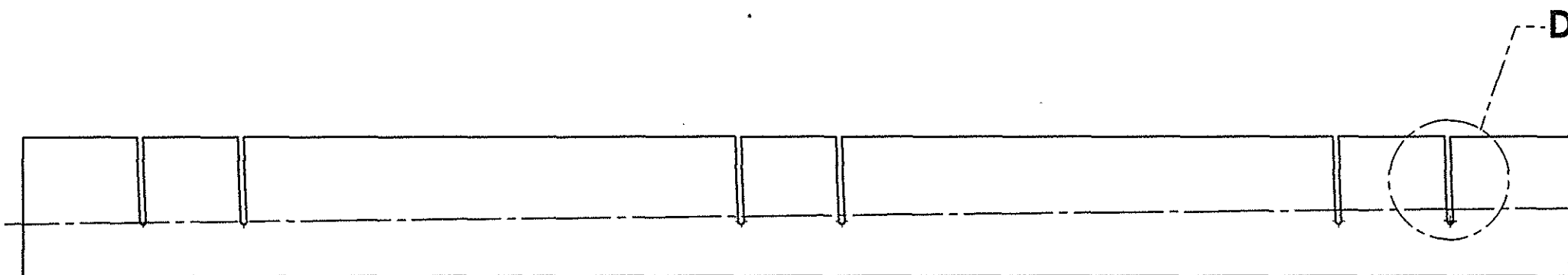
20-05-2016	22-08-2013	AME/SME
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	

1	ANGLE-R.H	4x121x1335	1		RDSO/SPEC C-K201 X2CrNi12	5.081	
QTY.	DESCRIPTION	Dimensions	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.: 0.333			WT/ASSY IN Kgs:		
ANGLE-R.H					SCALE 1:5	SSE/D	P. Sango
						CHD	
					ALT b	ALTD	T.J.Kumaravelu
						DRN	B.Suresh
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
						AAA16986	
						A2	

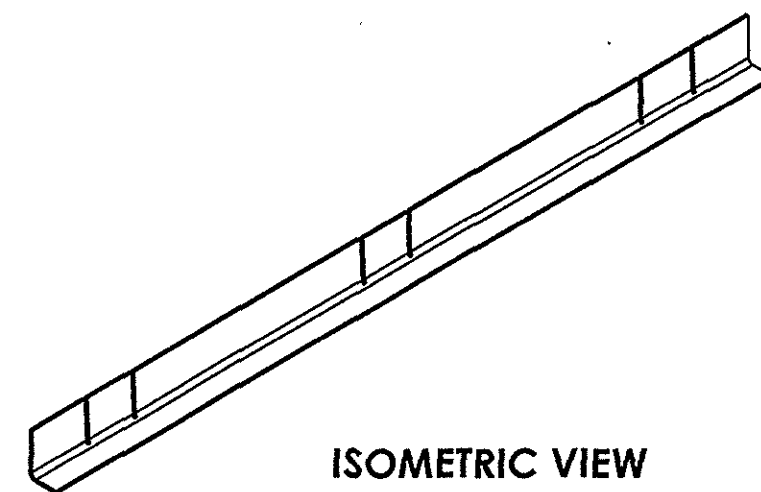
AAA16987

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	⑥ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑧ CHAMFERED

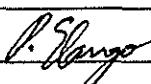

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATL. SPEC. ALTD.	-sd-
b		SECTION B-B, DETAIL-E & F DELETED. LENGTH ALTD FROM 1353mm TO 1335mm.	<i>[Signature]</i>

DETAIL D
SCALE 1 : 1

DEVELOPED VIEW



ISOMETRIC VIEW

1	ANGLE-LH	4x121x1335	1		RDSO/SPEC C-K201 X2CrNi12	5.080				
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS			
GROUP: 1-6			SURFACE AREA IN Sq.m.: 0.333			WT/ASSY IN Kgs:				
ANGLE-LH						SCALE 1:5	SSE/D			
							CHD			
						ALT b	ALTD	T.J.Kumaravelu		
							DRN	B.SURESH		
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038						SHEET 1 OF 1				
						AAA16987			A2	

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

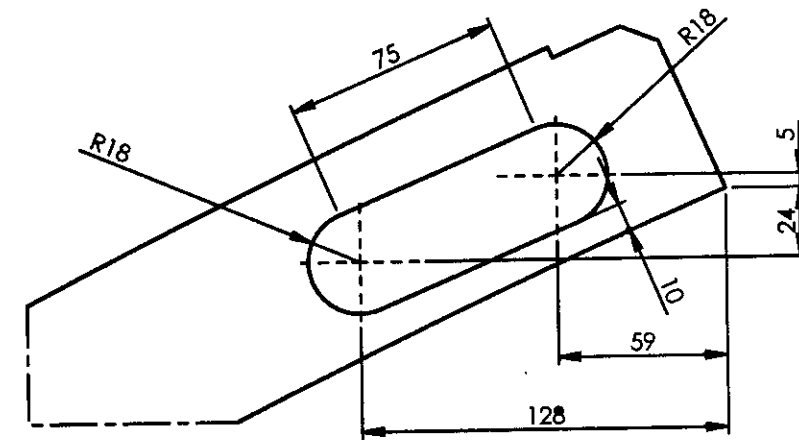
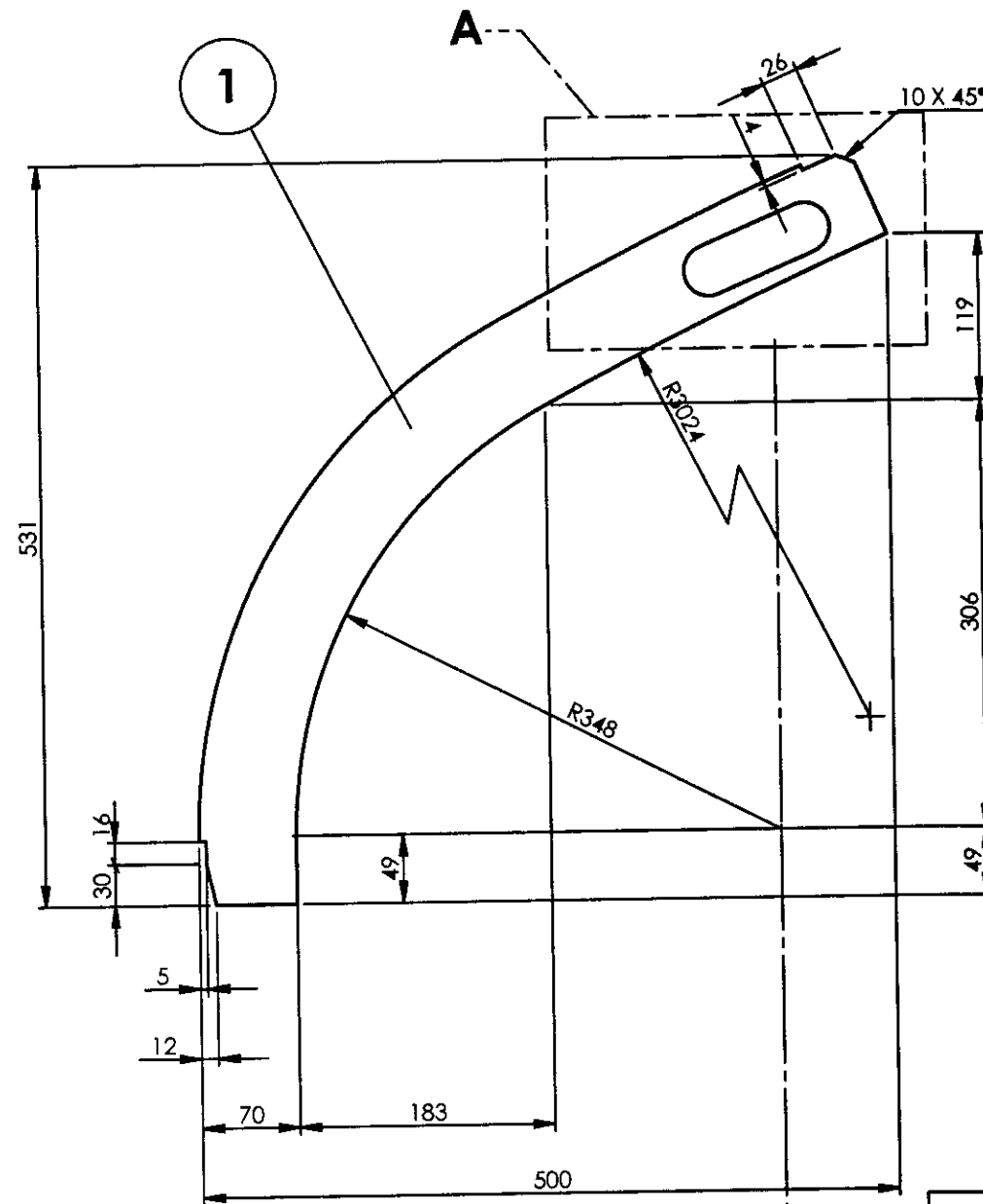
REF.DWG.NO.LG10198_a

22-05-2016	22-08-2013	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAA16989

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

REVISIONS				APPROVED & DATE
ALT.	ZONE	DESCRIPTION		
a		MATL. SPEC. ALTD.		-Sd-
b		ELONGATED HOLE INTRODUCED.		

DETAIL A
SCALE 2 : 5

1	RIB	3x500x531	1		RDSO/SPEC C-K201 X2CrNi12	1.139	
QTY	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction				SURFACE AREA IN Sq.m.:0.100		WT/ASSY IN Kgs:	
RIB					SCALE 1:5	SSE/D CHD	
					ALT. b	ALTD DRN	Bala V.Subramani
							Bala V Subramani
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		
INTEGRAL COACH FACTORY, CHENNAI - 600034					AAA16989		
					A3		

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

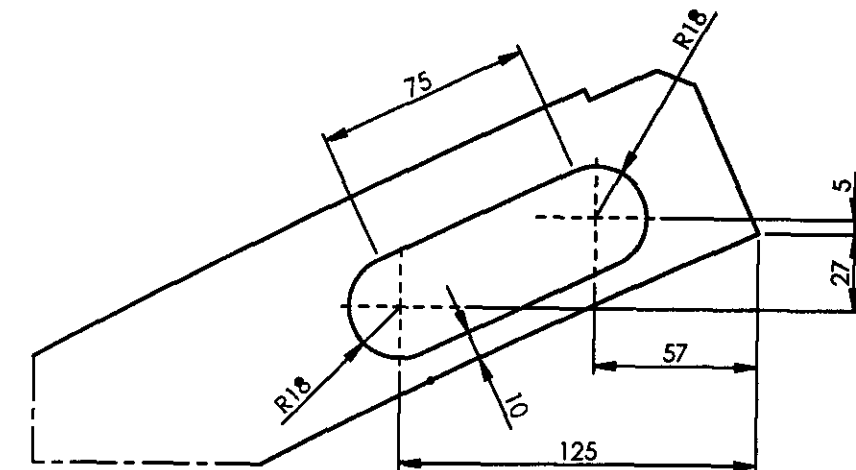
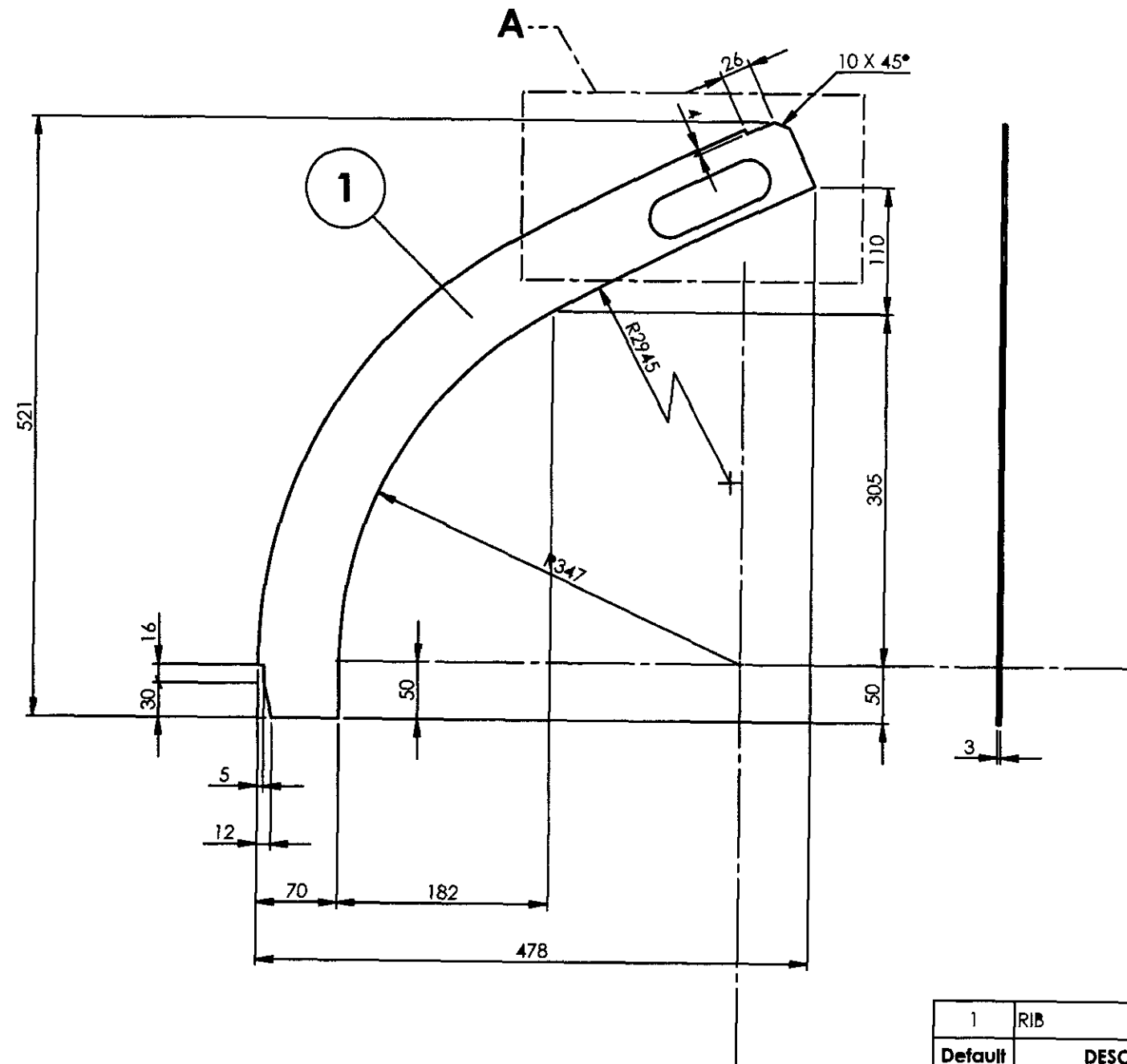
REF.DRG.NO.LR10164

9-04-2022	22-08-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAA16990

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

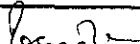
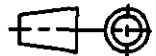
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATL. SPEC. ALTD.	-Sd-
b		ELONGATED HOLE INTRODUCED.	

DETAIL A
SCALE 2 : 5

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

REF.DRG.NO.LG10165

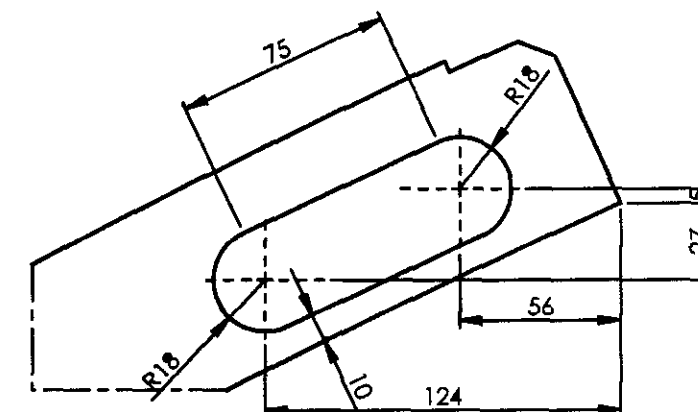
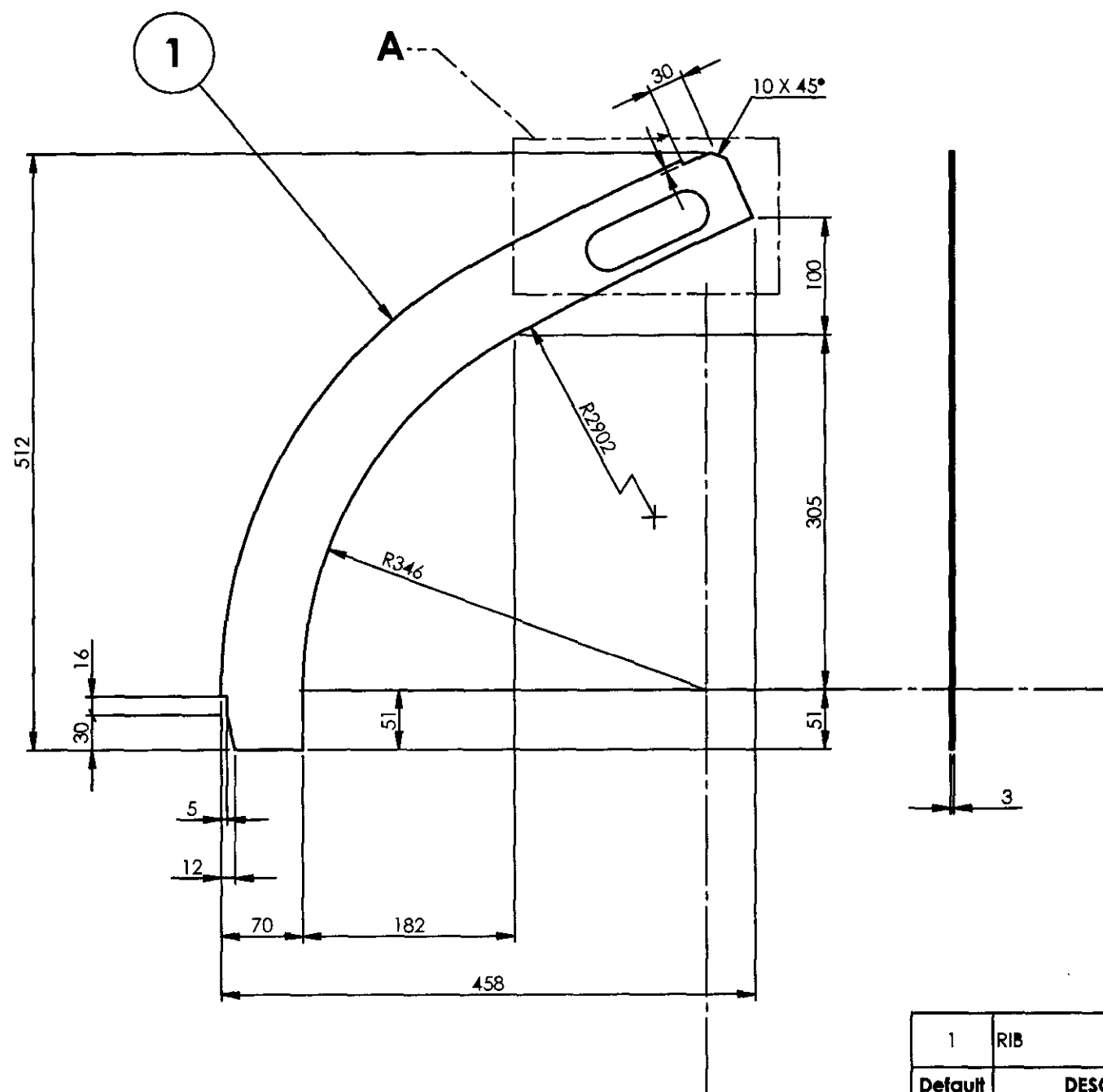
04-2022	22-08-2013	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

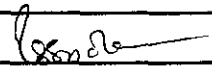
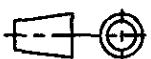
1	RIB	3x478X521	1		RDSO/SPEC C-K201 X2CrNi12	1.099	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:0.097			WT/ASSY IN Kgs:		
RIB					SCALE 1:5	SSE/D	
						CHD	
					ALT. b	ALTD	Bala V.Subranmani
						DRN	B.Suresh
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1	 LGS/EOG		
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAA16990		A3

AAA16991

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		MATL. SPEC. ALTD.	See/-
b		ELONGATED HOLE INTRODUCED.	See/-

DETAIL A
SCALE 2 : 5

1	RIB	3x458x512	1		RDSO/SPEC C-K201 X2CrNi12	1.059	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:0.094			WT/ASSY IN Kgs:		
RIB					SCALE	SSE/D	
					1:5	CHD	
					ALT. b	ALTD	Bala V.Subramani
						DRN	B.Suresh
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1		AAA16991
							A3

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

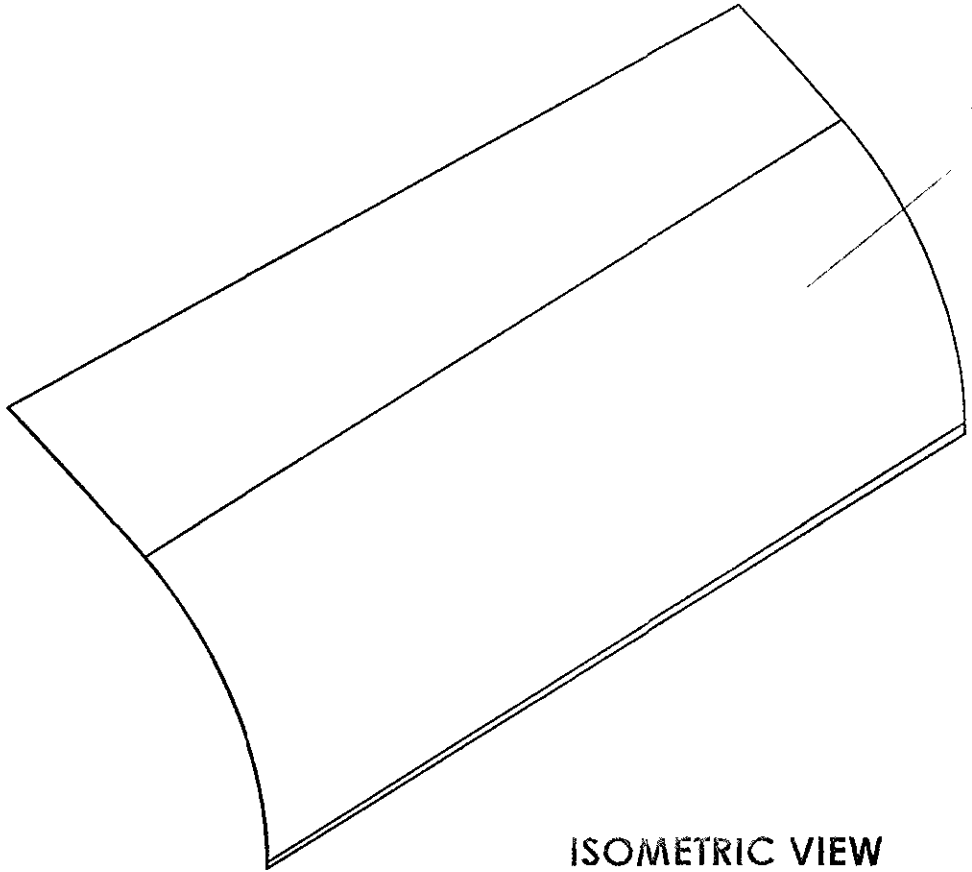
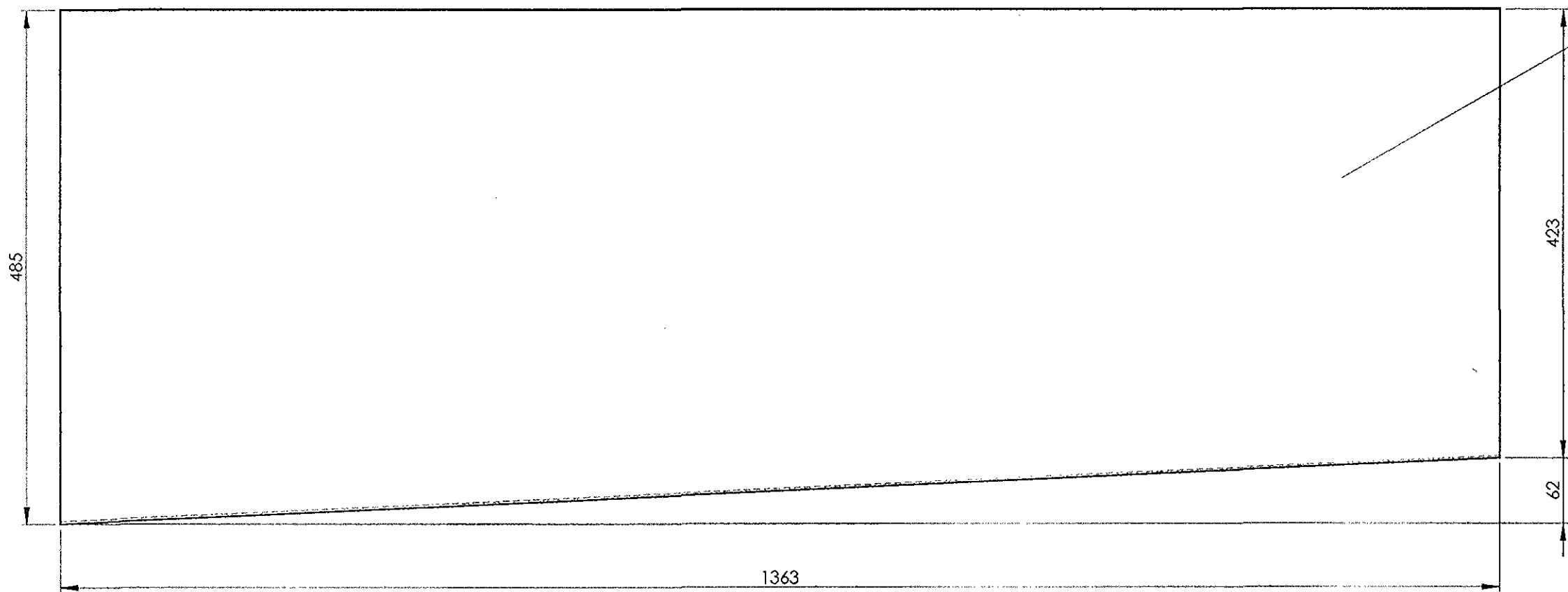
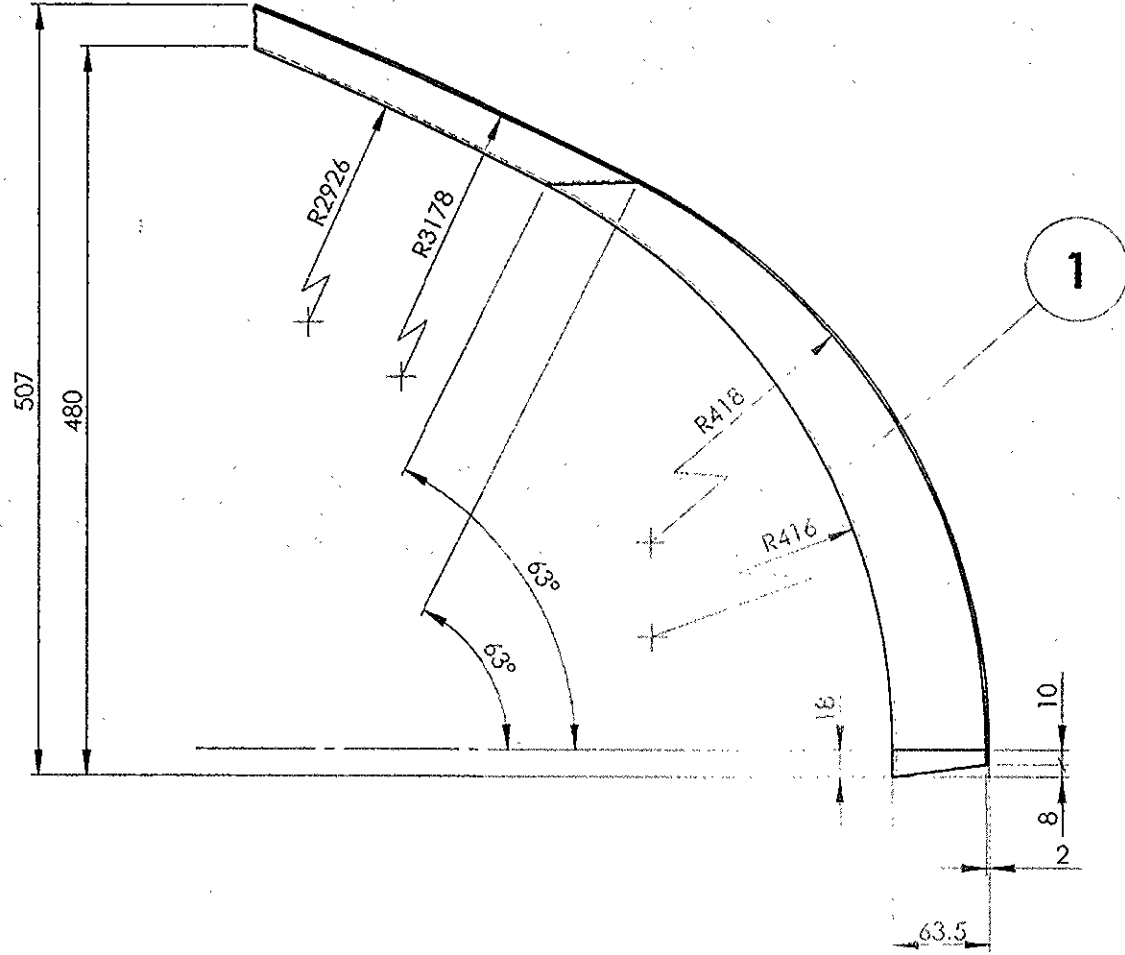
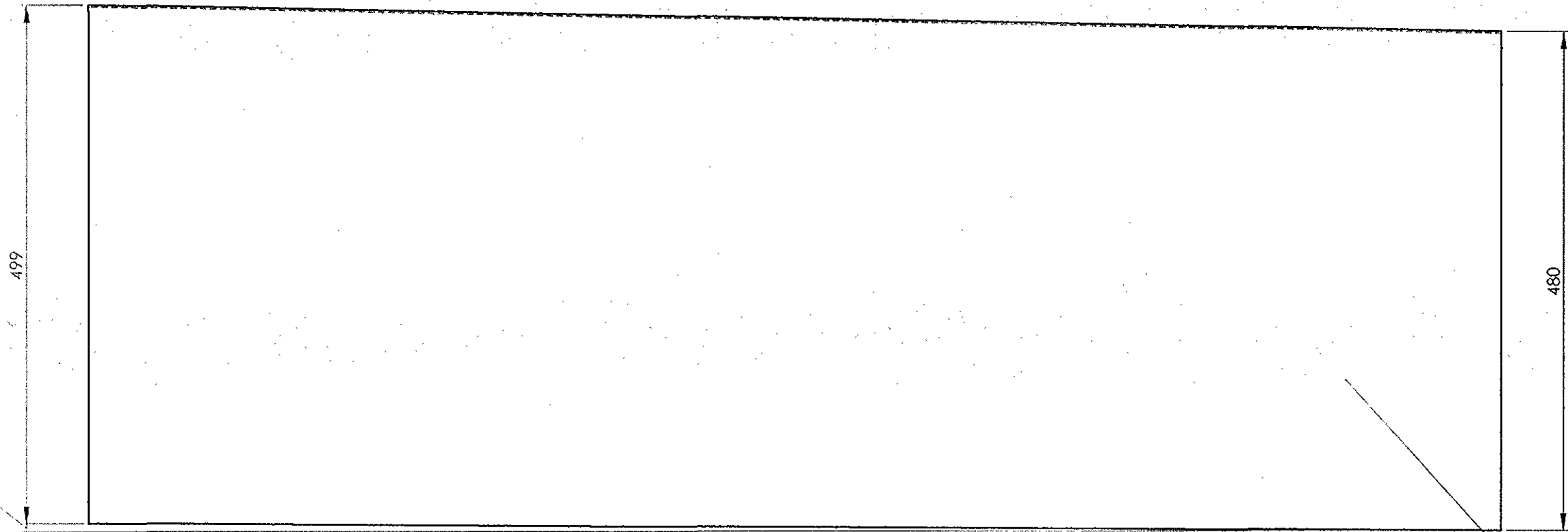
REF.DRG.NO.LG10197

04-2022	22-08-2013	See/-
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAA16992

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

REVISIONS			APPROVED & DATE
ALT.	ZONE	DESCRIPTION	

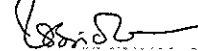
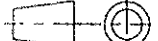


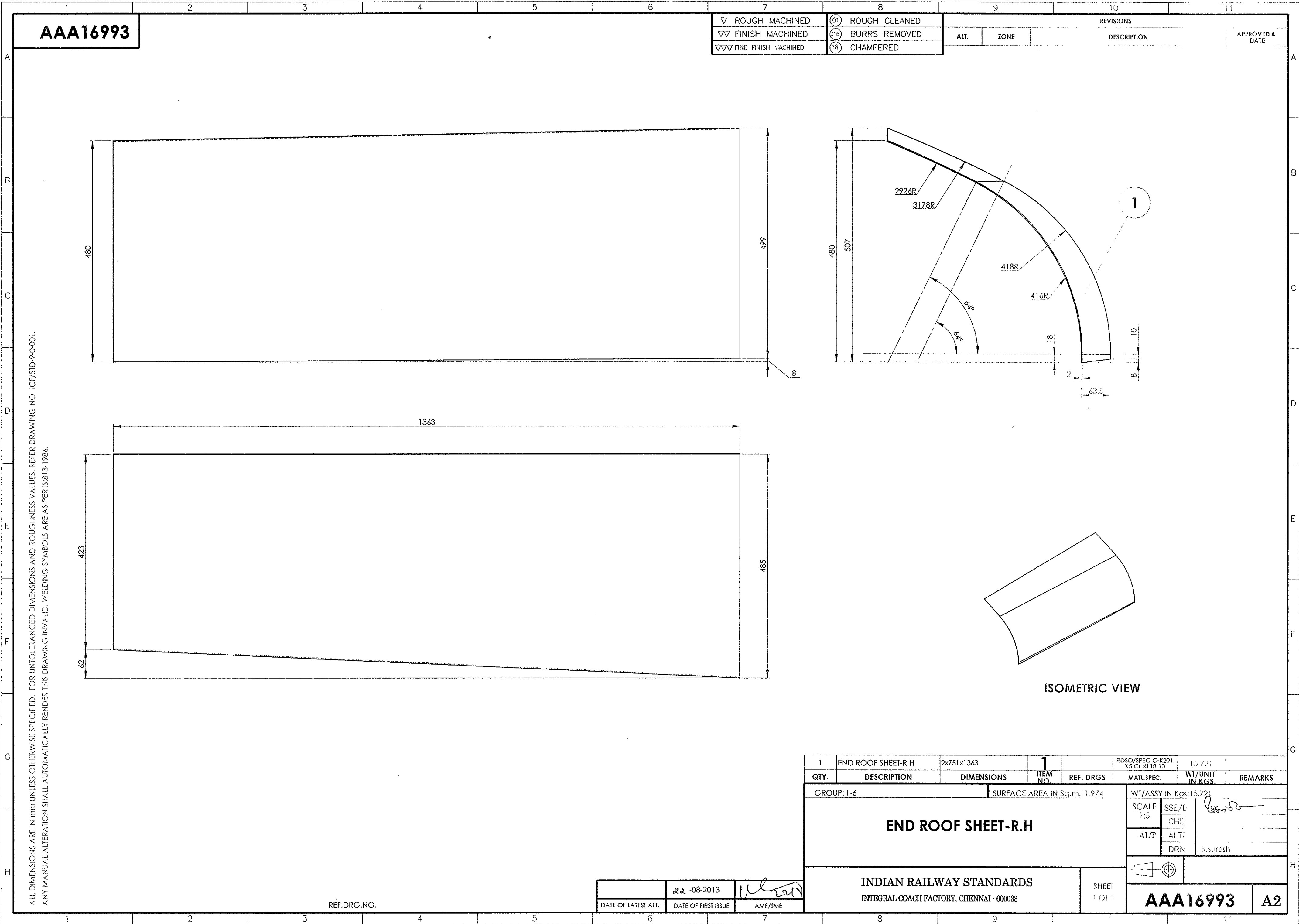
ISOMETRIC VIEW

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

REF.DRG.NO.m1 10113 0 20 220 102

DATE OF LATEST ALT.	22-08-2013	AME/SME
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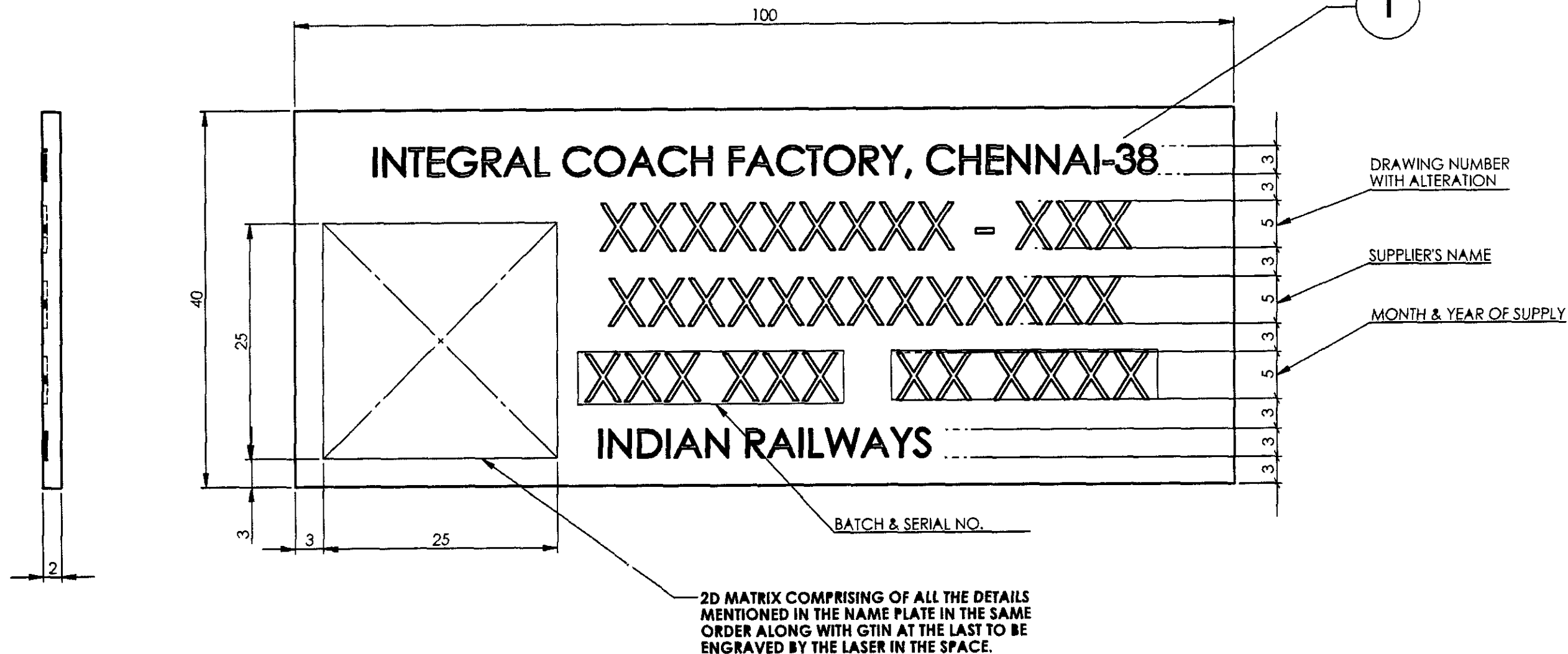
1	END ROOF SHEET-LH	2x751x1363	1		RDSO/SPEC C-K201 XS Cr Ni 18 10	15.721	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATLSPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.: 1.974			WT/ASSY IN Kgs:15.721		
END ROOF SHEET-L.H					SCALE	SSE/T	
					1:5	CHD	
					ALT	ALTD	
					DRN	B.Suresh	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAA16992		
					A2		



AAA51072

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

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

**NOTE:**

1. LETTERS TO BE PUNCHED OR ENGRAVED.

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

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

06-07-2024	02.06.2010	<i>sd</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

REF.DRG.NO.

AAB16027

V ROUGH MACHINED	ROUGH CLEANED
▽▽ FINISH MACHINED	616 BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	8 CHAMFERED

REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &
DATE

1

185

45

2

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

REF.DRG.NO.LS16199 AII"NIL"/ITEM2

	22-11-2014	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	FLAT	2x45x185	1		RDSO/SPEC C-K201 X2CrNi12	0.133	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS

GROUP: 1-6

SURFACE AREA IN Sq.m.:0.018

WT/ASSY IN Kgs:

FLAT

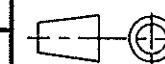
SCALE
1:1SSE/D
CHD

ALT.

ALTD

DRN

3D:S.6015/2D:MATHAIKUMAR.J



INDIAN RAILWAY STANDARDS

INTEGRAL COACH FACTORY, CHENNAI - 600088

SHEET
1 OF 1

AAB16027

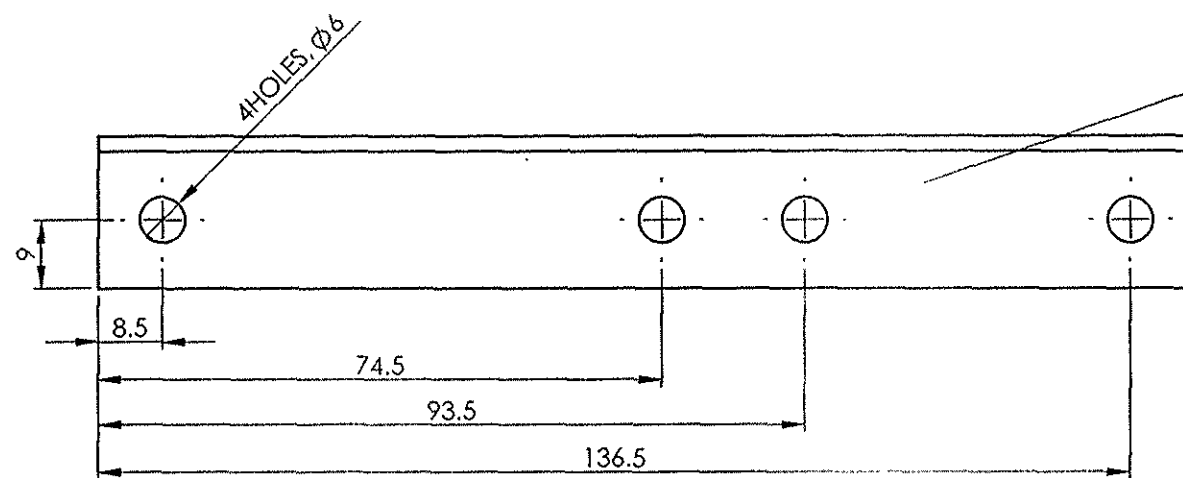
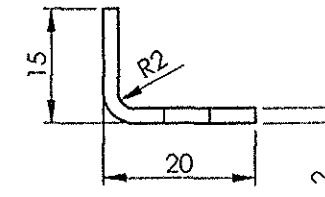
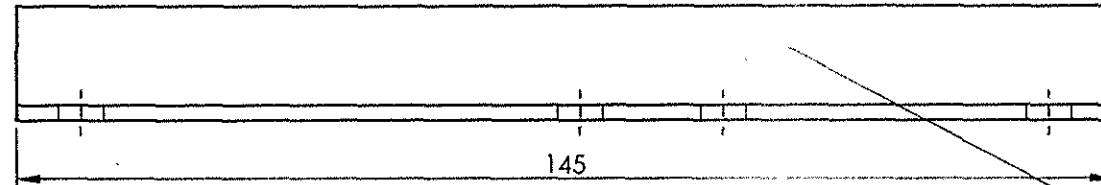
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AAB16033

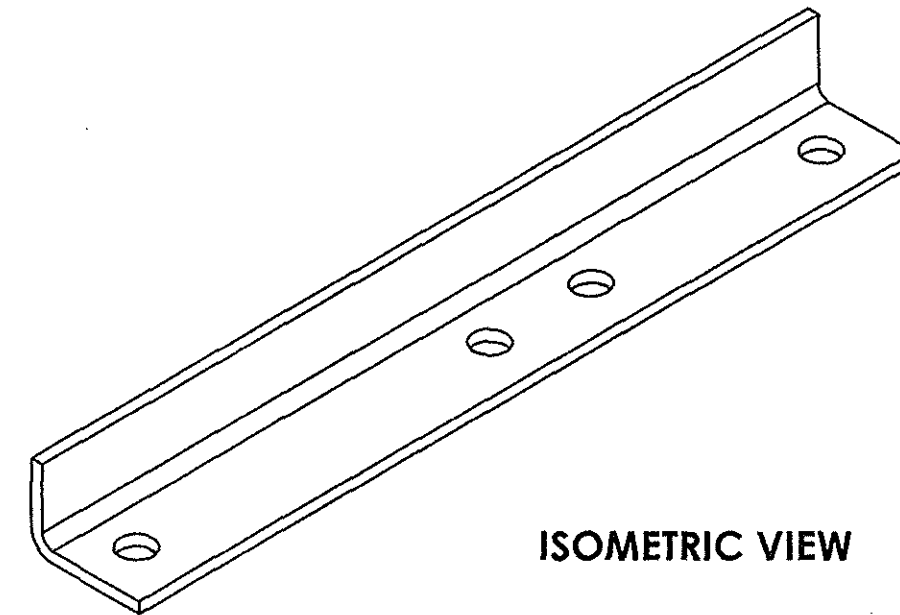
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	③ CHAMFERED

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
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1

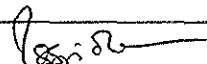
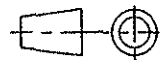


ISOMETRIC VIEW

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

REF.DRG.NO.LG10221

	03-06-2014	<i>Uday</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	BRACKETS FOR 3 CONDUITS CLAMPING	2x31x145	1		RDSO/SPEC C-K201 X2CrNi12	0.072	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:0.010			WT/ASSY IN Kgs:		
BRACKETS FOR 3 CONDUITS CLAMPING					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	
						DRN	B.Suresh
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1		AAB16033

AAB16034

▽ ROUGH MACHINED

▽▽ FINISH MACHINED

▽▽▽ FINE FINISH MACHINED

① ROUGH CLEANED

② BURRS REMOVED

③ CHAMFERED

REVISIONS

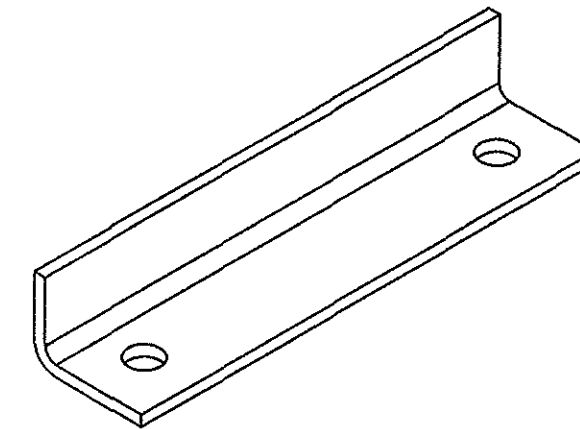
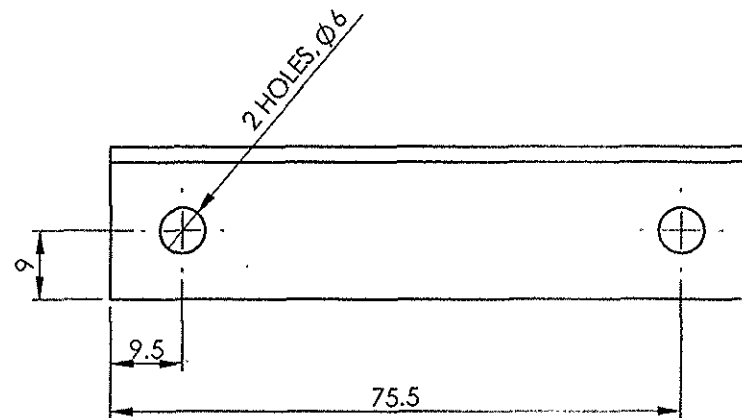
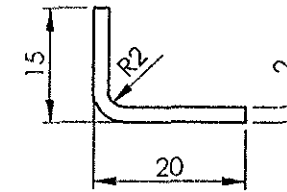
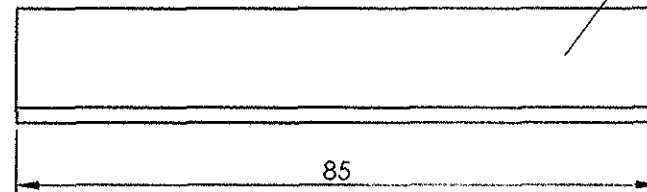
ALT.

ZONE

DESCRIPTION

APPROVED &
DATE

1

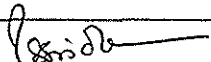
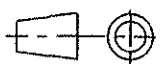


ISOMETRIC VIEW

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

REF.DRG.NO.LG10222

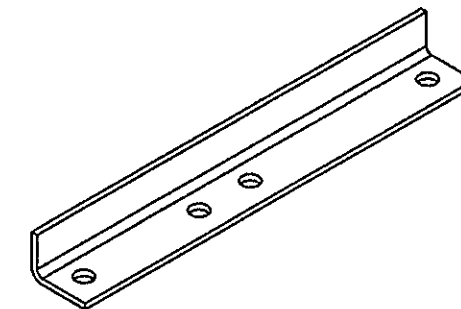
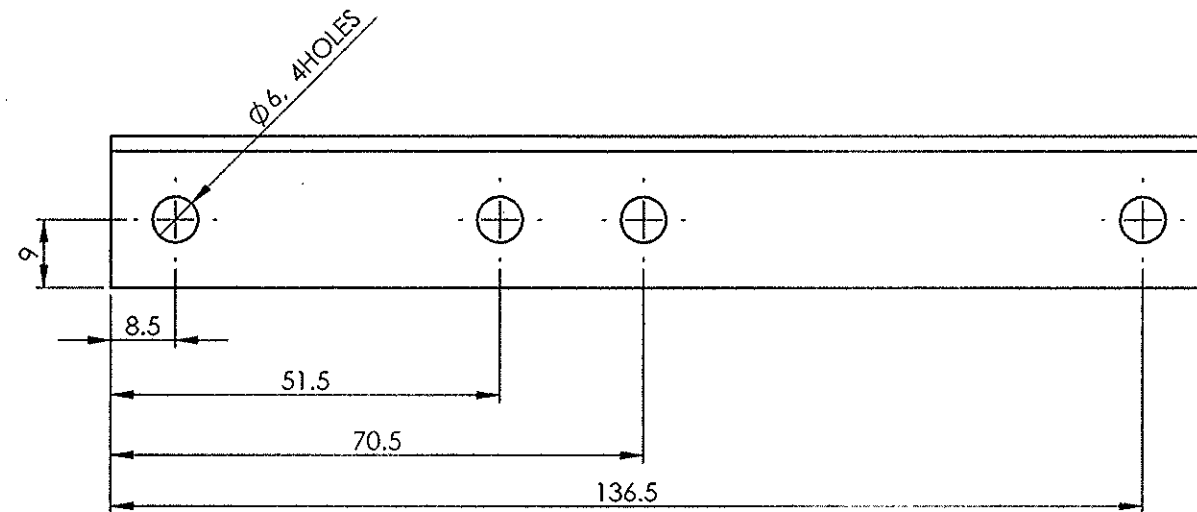
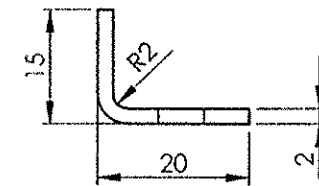
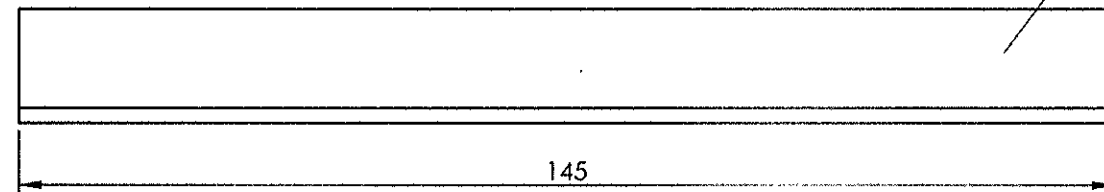
DATE OF LATEST ALT.	03-06-2014	<i>Udayan</i>
DATE OF FIRST ISSUE		AME/SME

1	BRACKETS FOR 2 CONDUITS CLAMPING	2x31x85	1		RDSO/SPEC C- K201 X2CrNi12	0.042	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:0.006			WT/ASSY IN Kgs:		
BRACKETS FOR 2 CONDUITS CLAMPING					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	
						DRN	B.Suresh
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1		
					AAB16034		A3

AAB16038

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

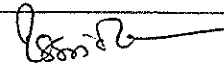



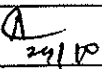

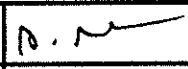

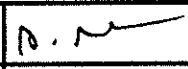

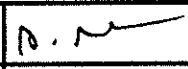
ISOMETRIC VIEW

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WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.LG10221

	03-06-2014	B. Suresh
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

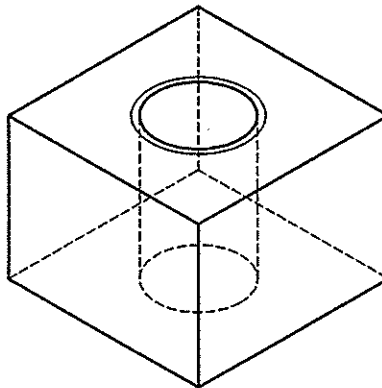
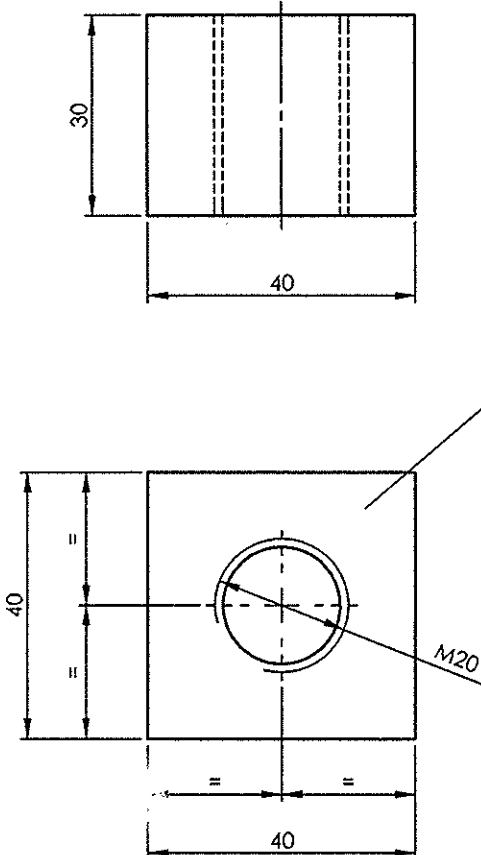
1	BRACKETS FOR 3 CONDUITS CLAMPING	2x31x145	1		RDSO/SPEC C- K201 X2CrNi12	0.072	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:0.010			WT/ASSY IN Kgs:		
BRACKETS FOR 3 CONDUITS CLAMPING					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	
						DRN	B.Suresh
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAB16038		A3


1	2	3	4	5	6	7	8																																																																									
AAB16039			▽ ROUGH MACHINED	① ROUGH CLEANED	REVISIONS																																																																											
			▽▽ FINISH MACHINED	③ BURRS REMOVED	ALT.	ZONE	DESCRIPTION	APPROVED & DATE																																																																								
			▽▽▽ FINE FINISH MACHINED	⑧ CHAMFERED	a		MATERIAL SPEC. ALTD.	 29/10																																																																								
<div>ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY</div> <div><div><div>45</div><div>45</div></div><div><div>1</div><div>420</div></div></div>																																																																																
<table><tr><td>1</td><td>SQUARE TUBE</td><td>2.5x45x45x420</td><td>1</td><td></td><td>SS-304</td><td>1.357</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: 1-6</td><td colspan="2">SURFACE AREA IN Sq.m.:0.138</td><td>WT/ASSY IN Kgs:</td></tr><tr><td colspan="5" rowspan="4">SQUARE TUBE</td><td>SCALE</td><td>SSE/D</td><td rowspan="2"></td></tr><tr><td>1:5</td><td>CHD</td></tr><tr><td>ALT.</td><td>ALTD</td><td>MATHANKUMAR J</td></tr><tr><td>a</td><td>DRN</td><td>B.Suresh</td></tr><tr><td colspan="5">INDIAN RAILWAY STANDARDS</td><td colspan="2">SHEET 1 OF 1</td><td></td></tr><tr><td colspan="5">INTEGRAL COACH FACTORY, CHENNAI - 600038</td><td colspan="2"></td><td></td></tr><tr><td colspan="2">24-10-2016</td><td colspan="2">03-06-2014</td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">DATE OF LATEST ALT.</td><td colspan="2">DATE OF FIRST ISSUE</td><td colspan="2">AME/SME</td><td colspan="2"></td></tr></table>									1	SQUARE TUBE	2.5x45x45x420	1		SS-304	1.357		QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-6					SURFACE AREA IN Sq.m.:0.138		WT/ASSY IN Kgs:	SQUARE TUBE					SCALE	SSE/D		1:5	CHD	ALT.	ALTD	MATHANKUMAR J	a	DRN	B.Suresh	INDIAN RAILWAY STANDARDS					SHEET 1 OF 1			INTEGRAL COACH FACTORY, CHENNAI - 600038								24-10-2016		03-06-2014						DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME			
1	SQUARE TUBE	2.5x45x45x420	1		SS-304	1.357																																																																										
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS																																																																									
GROUP: 1-6					SURFACE AREA IN Sq.m.:0.138		WT/ASSY IN Kgs:																																																																									
SQUARE TUBE					SCALE	SSE/D																																																																										
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					ALT.	ALTD	MATHANKUMAR J																																																																									
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DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME																																																																												
<table><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td colspan="3">REF.DRG.NO.ICF/STD-1-6-002</td><td colspan="5">AAB16039</td><td>A3</td></tr></table>									1	2	3	4	5	6	7	8	REF.DRG.NO.ICF/STD-1-6-002			AAB16039					A3																																																							
1	2	3	4	5	6	7	8																																																																									
REF.DRG.NO.ICF/STD-1-6-002			AAB16039					A3																																																																								

AAB16040

▽ ROUGH MACHINED	(5) ROUGH CLEANED
▽▽ FINISH MACHINED	(6) BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	(8) CHAMFERED


REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		TAP HOLE SIZE ALTD FROM M20x1.5 TO M20.	-Sd-
b		MATERIAL SPEC. ALTERED.	<i>[Signature]</i>

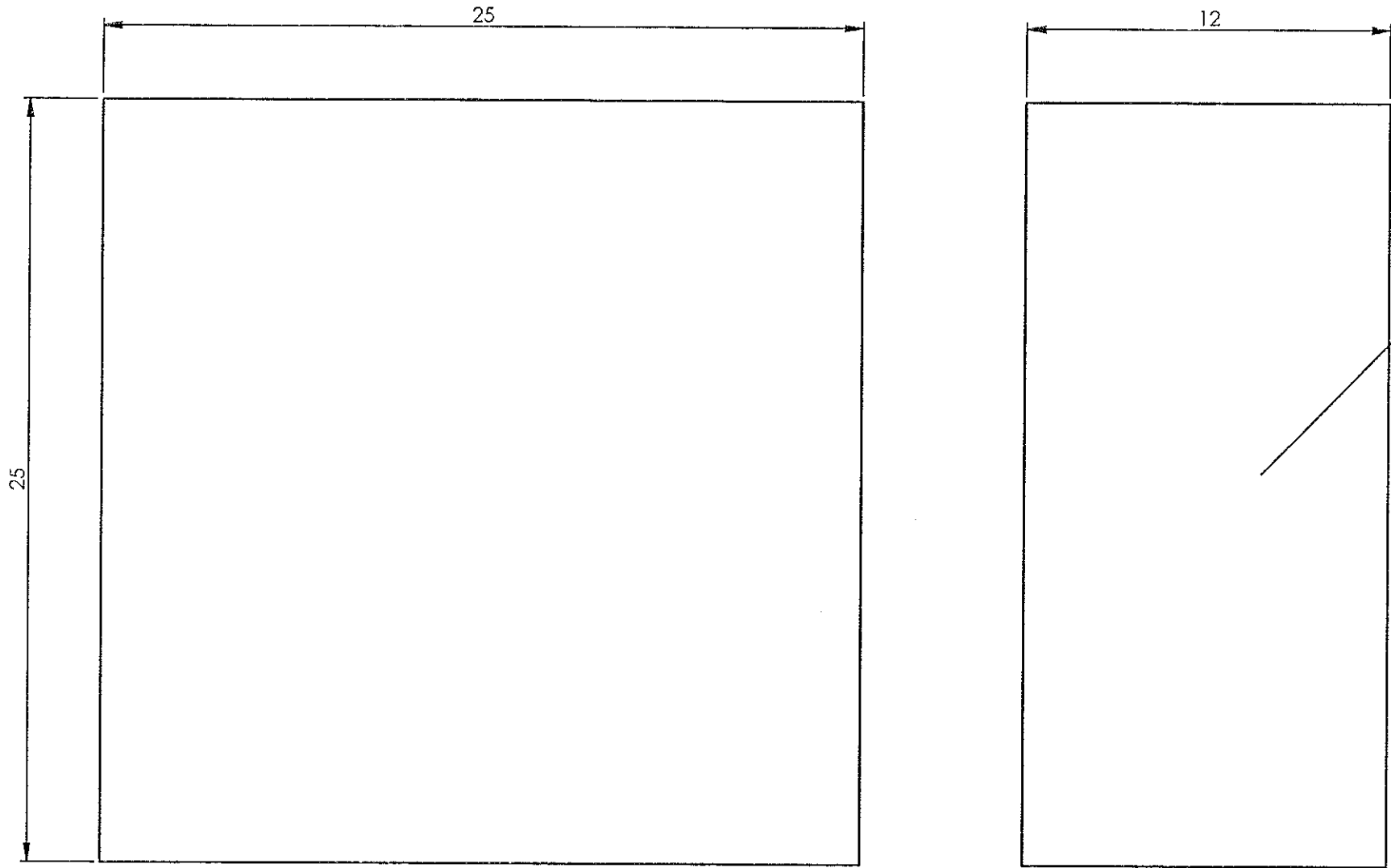


1	SCREWING PIECE	30x40x40	1		SS-304	0.322	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:0.009			WT/ASSY IN Kgs:		
SCREWING PIECE					SCALE	SSE/D	<i>P. Hango</i>
					2:1	CHD	
					ALT.	ALTD	M.SIVAKUMAR
					b	DRN	B.Suresh
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600038				AAB16040			A3

AAB16216

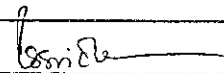
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		THICKNESS OF ITEM-1 ALTD FROM 5mm TO 12mm.MATERIAL SPECIFICATION FOR ITEM-1 REVISED. VIEWS UPDATED.	



NOTE:

\$ 1. ALTERNATIVELY AISI 304/ SS 304(X02Cr19Ni10) / IS 691 1(X04Cr19Ni9) ARE ALSO ACCEPTABLE.

1	BACK PIECE	12 x 25 x 25	1		RDSO SPEC C- K201 X5 Cr Ni 18 10	0.060	\$
Default	DESCRIPTION	DIMENSIONS	ITEM NO	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 ROOF CONSTRUCTION		SURFACE AREA IN Sq.m.:0.002			WT/ASSY IN Kgs:		
BACK PIECE					SCALE 5:1	SSE/D	
						CHD	
					ALT. a	ALTD	AMAL GEORGE
						DRN	M.SIVAKUMAR
					INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038		
AAB16216		A3					

17-09-2025	17-11-2014	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

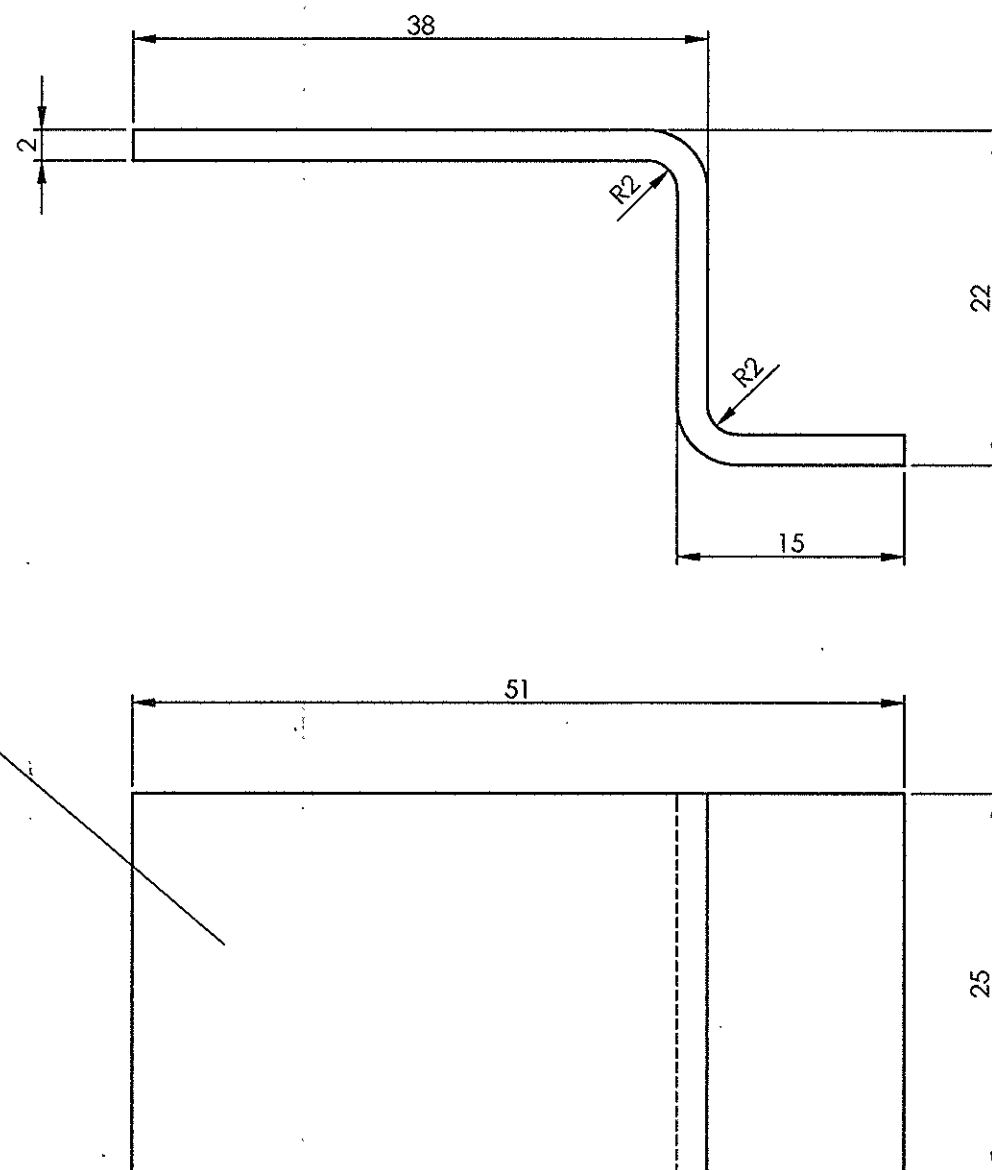
REF.DRG.NO.LS 16163 ITEM-4 Alt 'Nil'

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

AAB16217

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



1	BRACKET	2x25x67	1		RDSO/SPEC C-K201 X2CrNi12	0.027	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 ROOF CONSTRUCTION				SURFACE AREA IN Sq.m.:0.004		WT/ASSY IN Kgs:	
BRACKET					SCALE 2:1	SSE/D CHD	P. Ganga
					ALT.	ALTD	
						DRN	M.SIVAKUMAR
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1		AAB16217	
INTEGRAL COACH FACTORY, CHENNAI - 600038						A3	

-	17-11-2014	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

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

REF.DRG.NO.LS 16167 ITEM-1 Alt 'Nil'

1		2		3		4		5		6		7		8																																																																									
AAB16218				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS																																																																															
				▽▽ FINISH MACHINED		①b BURRS REMOVED		ALT.		ZONE		DESCRIPTION		APPROVED & DATE																																																																									
				▽▽▽ FINE FINISH MACHINED		⑱ CHAMFERED																																																																																	
				<div><div>15</div><div>3</div><div>25</div><div>1</div></div>																																																																																			
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY																																																																																							
REF.DRG.NO.LS 16167 ITEM-2 Alt 'NII'																																																																																							
<table><tr><td>1</td><td>THICKENER</td><td>3x15x25</td><td>1</td><td></td><td>RDSO/SPEC C-K201 X2CrNi12</td><td>0.009</td><td></td></tr><tr><td>QTY.</td><td>DESCRIPTION</td><td>DIMENSIONS</td><td>ITEM NO.</td><td>REF. DRGS</td><td>MATL.SPEC.</td><td>WT/UNIT IN KGS</td><td>REMARKS</td></tr><tr><td colspan="4">GROUP: 1-6 ROOF CONSTRUCTION</td><td colspan="2">SURFACE AREA IN Sq.m.:0.001</td><td colspan="2">WT/ASSY IN Kgs:</td></tr><tr><td colspan="5" rowspan="4">THICKENER</td><td>SCALE</td><td>SSE/D</td><td rowspan="2"></td></tr><tr><td>5:1</td><td>CHD</td></tr><tr><td>ALT.</td><td>ALTD</td><td></td></tr><tr><td></td><td>DRN</td><td>M.SIVAKUMAR</td></tr><tr><td colspan="5">INDIAN RAILWAY STANDARDS</td><td colspan="2">SHEET 1 OF 1</td><td></td></tr><tr><td colspan="5">INTEGRAL COACH FACTORY, CHENNAI - 600038</td><td colspan="2"></td><td></td></tr><tr><td colspan="2">DATE OF LATEST ALT.</td><td colspan="2">DATE OF FIRST ISSUE</td><td colspan="2">AME/SME</td><td colspan="2">AAB16218</td></tr><tr><td colspan="2"></td><td colspan="2">17-11-2014</td><td colspan="2"></td><td colspan="2">A3</td></tr></table>																1	THICKENER	3x15x25	1		RDSO/SPEC C-K201 X2CrNi12	0.009		QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-6 ROOF CONSTRUCTION				SURFACE AREA IN Sq.m.:0.001		WT/ASSY IN Kgs:		THICKENER					SCALE	SSE/D		5:1	CHD	ALT.	ALTD			DRN	M.SIVAKUMAR	INDIAN RAILWAY STANDARDS					SHEET 1 OF 1			INTEGRAL COACH FACTORY, CHENNAI - 600038								DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME		AAB16218				17-11-2014				A3	
1	THICKENER	3x15x25	1		RDSO/SPEC C-K201 X2CrNi12	0.009																																																																																	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS																																																																																
GROUP: 1-6 ROOF CONSTRUCTION				SURFACE AREA IN Sq.m.:0.001		WT/ASSY IN Kgs:																																																																																	
THICKENER					SCALE	SSE/D																																																																																	
					5:1	CHD																																																																																	
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INTEGRAL COACH FACTORY, CHENNAI - 600038																																																																																							
DATE OF LATEST ALT.		DATE OF FIRST ISSUE		AME/SME		AAB16218																																																																																	
		17-11-2014				A3																																																																																	
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AAB16230

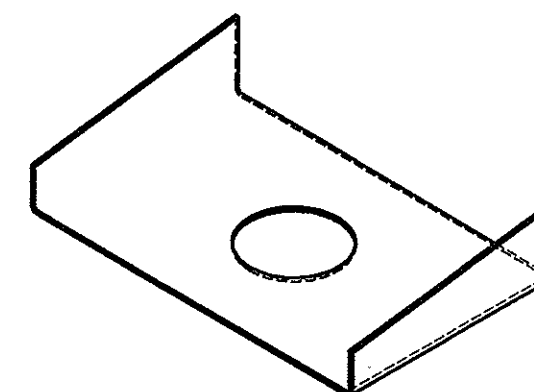
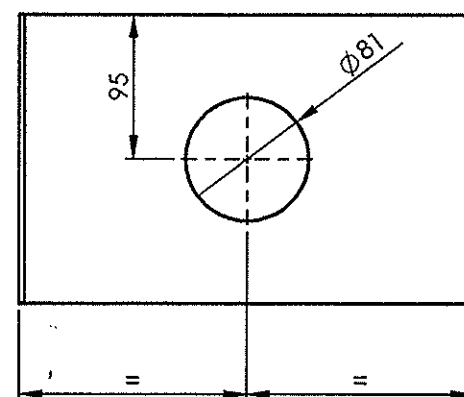
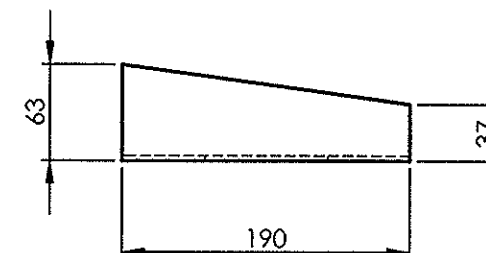
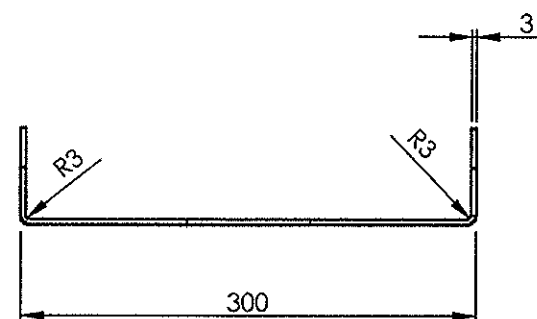
▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①b BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①8 CHAMFERED

REVISIONS

ALT.

ZONE

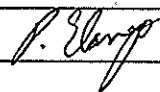

DESCRIPTION

APPROVED &
DATE

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

REF.DRG.NO.LG16152 NIL

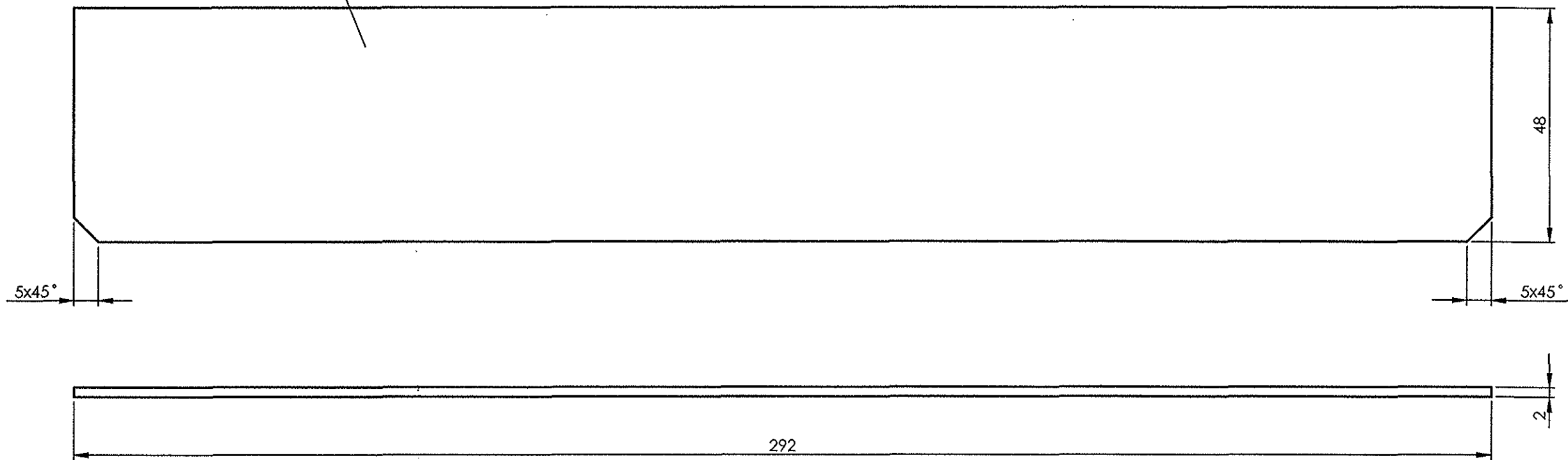
-	13-11-2014	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	CHANNEL	3x190x415.6	1		RDSO/SPEC C-K201 X2CrNi12	1.66	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
CHANNEL					SCALE	SSE/D	
					1:5	CHD	
					ALT.	ALTD	
						DRN	P.MURUGAN
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
SHEET 1 OF 1					AAB16230		A3

AAB16231



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

REVISIONS				APPROVED & DATE	
ALT.	ZONE	DESCRIPTION			



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REF.DRG.NO.LG16153

1	CLOSING PLATE	2x48x292	1		RDSO/SPEC C-K201 X2CrNi12	0.22	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
CLOSING PLATE					SCALE	SSE/D	
					1:2	CHD	
					ALT.	ALTD	
						DRN	P.MURUGAN
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAB16231		A3

-	13-11-2014	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

AAB16232

▽ ROUGH MACHINED

① ROUGH CLEANED

▽▽ FINISH MACHINED

② BURRS REMOVED

▽▽▽ FINE FINISH MACHINED

③ CHAMFERED

REVISIONS

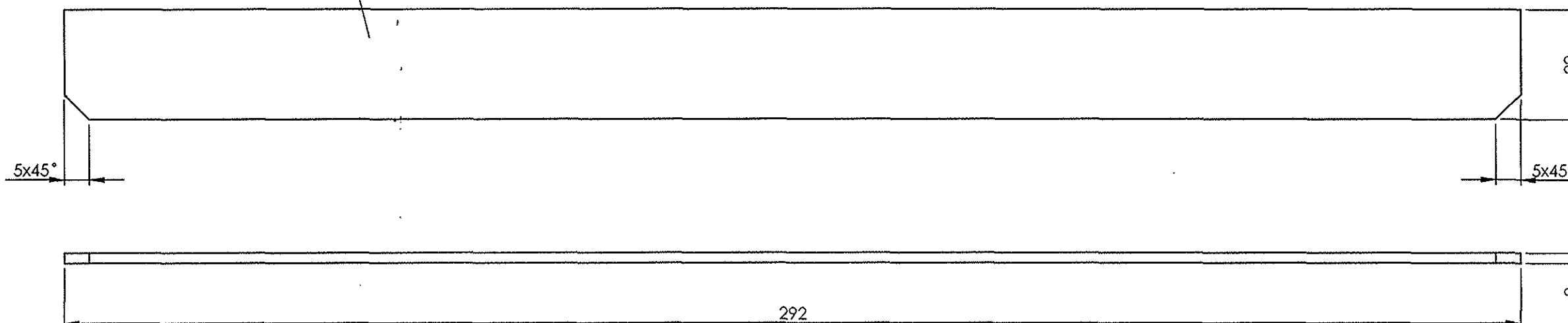
ALT.

ZONE

DESCRIPTION

APPROVED &
DATE



1



ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
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REF.DRG.NO.LG16153

-	17-11-2014	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

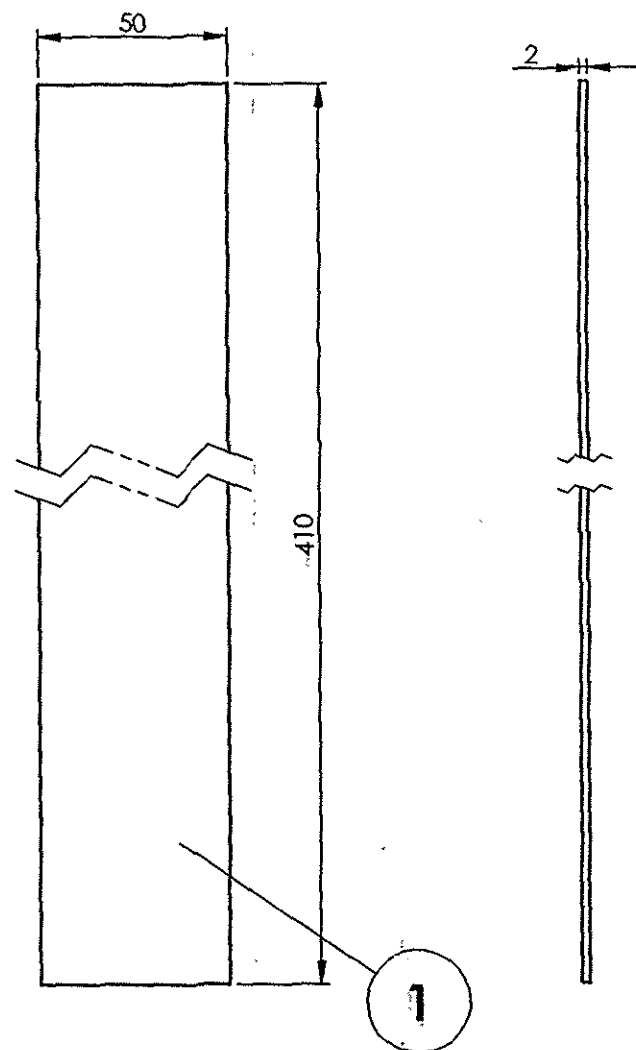
1	CLOSING PLATE	2x22x292	1		RDSO/SPEC C-K201 X2CrNi12	0.10	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
CLOSING PLATE					SCALE	SSE/D	
					1:2	CHD	
					ALT.	ALTD	
						DRN	P.MURUGAN
INDIAN RAILWAY STANDARDS				SHEET 1 OF 1			
INTEGRAL COACH FACTORY, CHENNAI - 600038				AAB16232		A3	

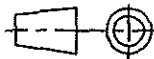
1		2		3		4		5		6		7		8																																																						
AAB16264				▽ ROUGH MACHINED		① ROUGH CLEANED		REVISIONS																																																												
				▽▽ FINISH MACHINED		①b BURRS REMOVED		ALT.		ZONE		DESCRIPTION			APPROVED & DATE																																																					
				▽▽▽ FINE FINISH MACHINED		①8 CHAMFERED																																																														
<div><div>ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001. ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986. WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY</div><div><div>300</div><div>30</div><div>2.5</div><div>1</div></div></div>																																																																				
<table><tr><td>1</td><td>BACK PIECE</td><td>2.5x30x300</td><td>1</td><td></td><td>RDSO/SPEC C-K201 X2CrNi12</td><td>0.18</td><td></td></tr><tr><td>QTY.</td><td>DESCRIPTION</td><td>DIMENSIONS</td><td>ITEM NO.</td><td>REF. DRGS</td><td>MATL.SPEC.</td><td>WT/UNIT IN KGS</td><td>REMARKS</td></tr><tr><td colspan="2">GROUP: 1-6</td><td colspan="3">SURFACE AREA IN Sq.m.:</td><td colspan="3">WT/ASSY IN Kgs:</td></tr><tr><td colspan="5" rowspan="4">BACK PIECE</td><td>SCALE</td><td>SSE/D</td><td rowspan="2"></td></tr><tr><td>1:2</td><td>CHD</td></tr><tr><td>ALT.</td><td>ALTD</td><td rowspan="2">B.Suresh</td></tr><tr><td></td><td>DRN</td></tr><tr><td colspan="5">INDIAN RAILWAY STANDARDS</td><td colspan="2">SHEET 1 OF 1</td><td rowspan="2">AAB16264</td><td rowspan="2">A3</td></tr><tr><td colspan="5">INTEGRAL COACH FACTORY, CHENNAI - 600038</td></tr></table>																1	BACK PIECE	2.5x30x300	1		RDSO/SPEC C-K201 X2CrNi12	0.18		QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-6		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:			BACK PIECE					SCALE	SSE/D		1:2	CHD	ALT.	ALTD	B.Suresh		DRN	INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		AAB16264	A3	INTEGRAL COACH FACTORY, CHENNAI - 600038				
1	BACK PIECE	2.5x30x300	1		RDSO/SPEC C-K201 X2CrNi12	0.18																																																														
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS																																																													
GROUP: 1-6		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:																																																															
BACK PIECE					SCALE	SSE/D																																																														
					1:2	CHD																																																														
					ALT.	ALTD	B.Suresh																																																													
						DRN																																																														
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1		AAB16264	A3																																																												
INTEGRAL COACH FACTORY, CHENNAI - 600038																																																																				

AAB16282

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

REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



1	FLAT	2x50x410	1		RDSO/SPEC C-K201 X2CrNi12	0.33	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 ROOF		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
FLAT					SCALE	SSE/D	P. Sango
					1:5	CHD	
					ALT.	ALTD	
						DRN	BIMAL
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1	AAB16282	
							A3

	21-10-2014	<i>[Signature]</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

REF.DRG.NO.LG16186/ITEM-1

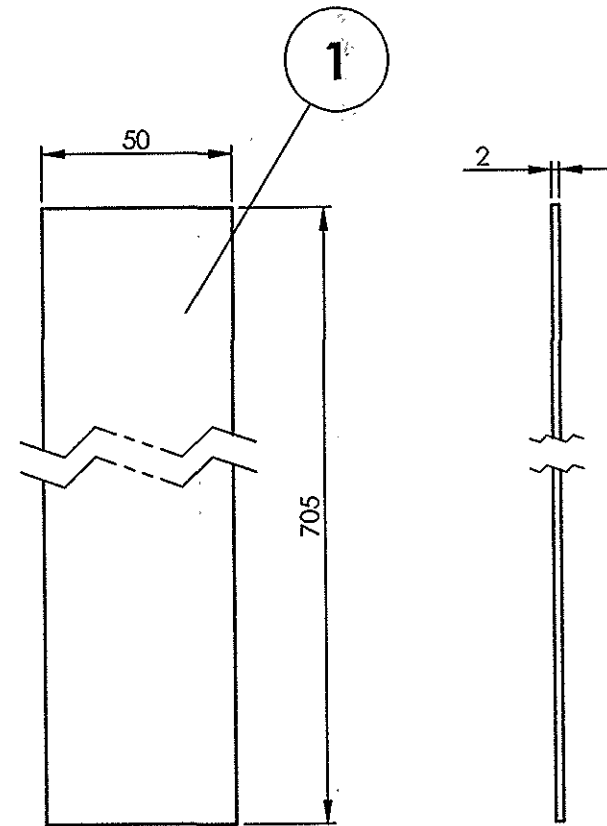
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
ANY MANUAL ALTERATION SHALL AUTOMATICALLY RENDER THIS DRAWING INVALID. WELDING SYMBOLS ARE AS PER IS: 813-1986.
WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

AAB16283

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

REVISIONS


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

REF.DRG.NO.LG16187 ITEM-1

DATE OF LATEST ALT.	21/11/2014	AME/SME
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1	FLAT	2x50x705	1		RDSO/SPEC C-K201 X2CrNi12	0.56		
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	
GROUP: 1-6		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:			
FLAT					SCALE	SSE/D		
					1:5	CHD		
					ALT.	ALTD		
						DRN	BIMAL	
					INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038			

AAB16410

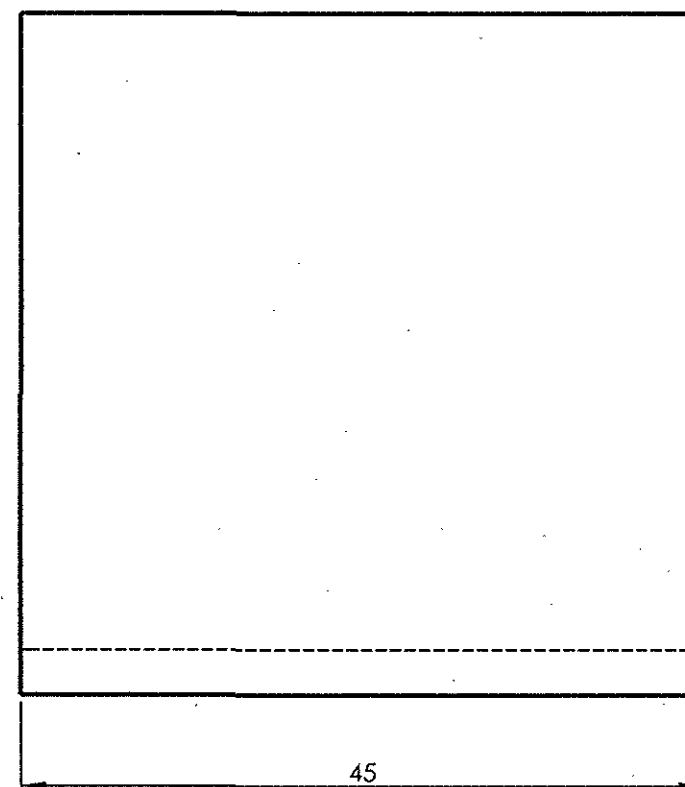
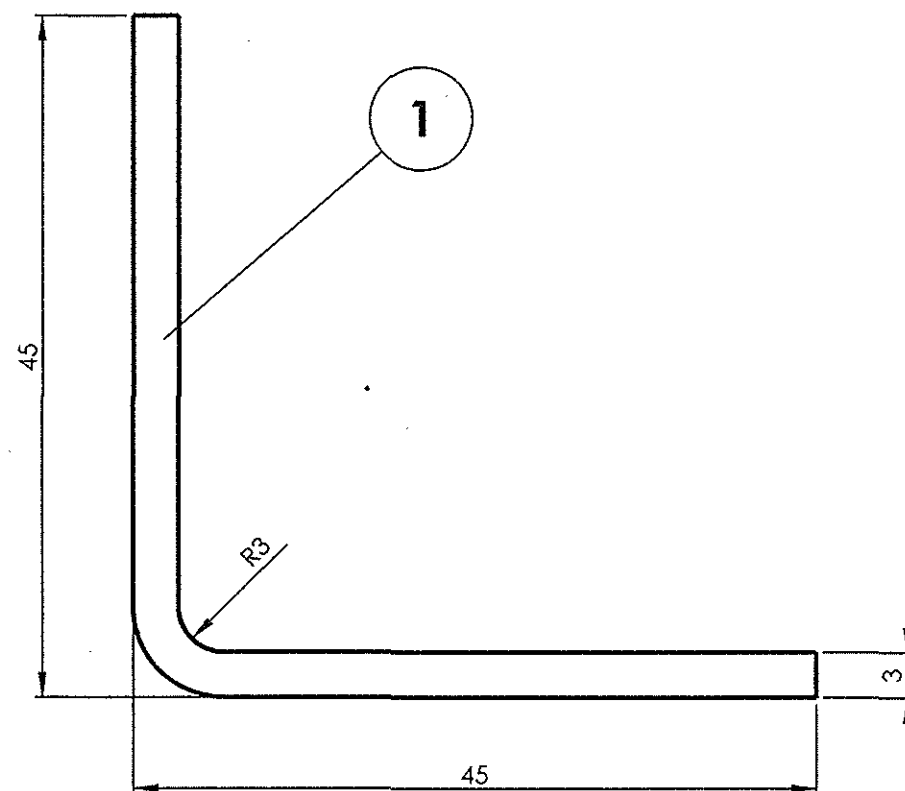
▽ FINISH MACHINED	01b BURRS REMOVED
▽▽ FINE FINISH MACHINED	18 CHAMFERED

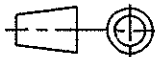
REVISIONS

ALT.

ZONE

DESCRIPTION

APPROVED &
DATE

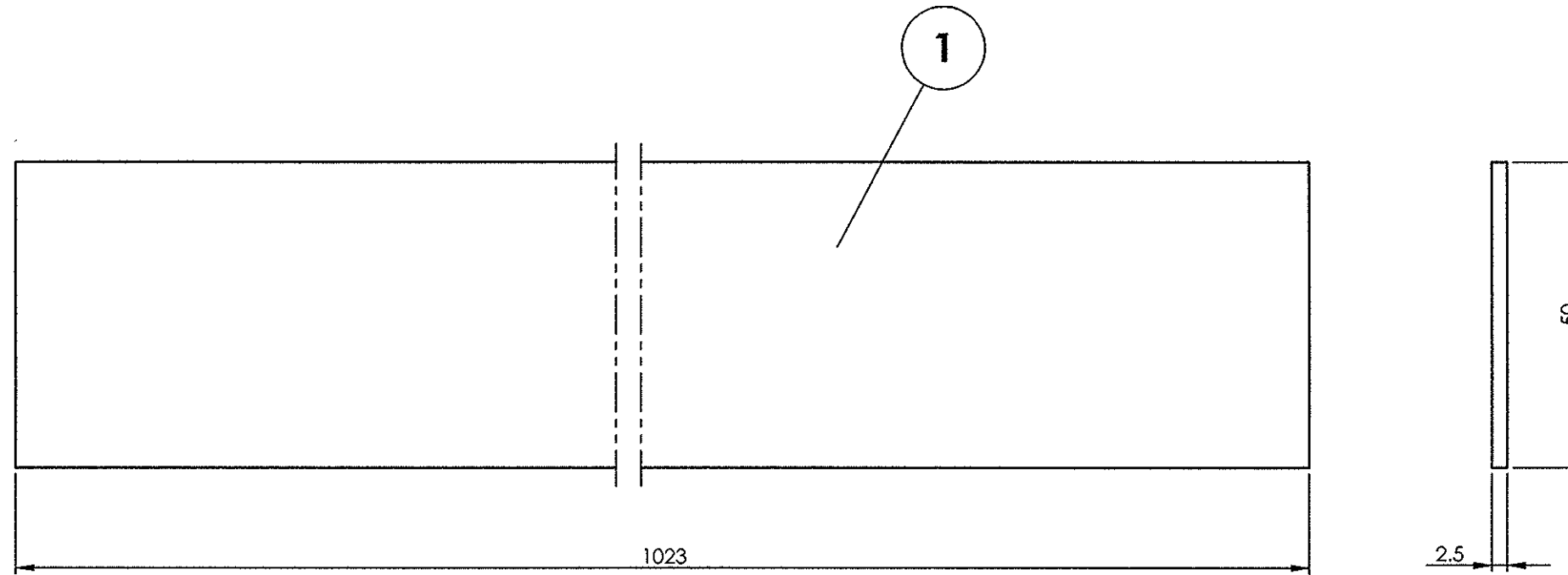
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QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
CONNECTING ANGLE					SCALE	SSE/D	<i>D. Shango</i>
					2:1	CHD	
					ALT.	ALTD	
						DRN	T.J.Kumaravelu.
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAB16410		A3

1	2	3	4	5	6	7	8																																																						
AAB16651			▽ ROUGH MACHINED	① ROUGH CLEANED	REVISIONS																																																								
			▽▽ FINISH MACHINED	② BURRS REMOVED	ALT.	ZONE	DESCRIPTION	APPROVED & DATE																																																					
			▽▽▽ FINE FINISH MACHINED	③ CHAMFERED																																																									
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<table><tr><td>1</td><td>BACK PIECE FOR PANEL</td><td>2.5x50x1600</td><td>1</td><td></td><td>RDSO/SPEC C-K201 X2CrNi12</td><td>1.60</td><td></td></tr><tr><td>QTY.</td><td>DESCRIPTION</td><td>DIMENSIONS</td><td>ITEM NO.</td><td>REF. DRGS</td><td>MATL.SPEC.</td><td>WT/UNIT IN KGS</td><td>REMARKS</td></tr><tr><td colspan="5">GROUP: 1-6</td><td colspan="2">SURFACE AREA IN Sq.m.:</td><td>WT/ASSY IN Kgs:</td></tr><tr><td colspan="5" rowspan="3">BACK PIECE FOR PANEL</td><td>SCALE 1:1</td><td>SSE/D CHD</td><td><i>P. Murugan</i></td></tr><tr><td>ALT.</td><td>ALTD</td><td></td></tr><tr><td>DRN</td><td>P.MURUGAN</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">AAB16651</td><td>A3</td></tr></table>									1	BACK PIECE FOR PANEL	2.5x50x1600	1		RDSO/SPEC C-K201 X2CrNi12	1.60		QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS	GROUP: 1-6					SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:	BACK PIECE FOR PANEL					SCALE 1:1	SSE/D CHD	<i>P. Murugan</i>	ALT.	ALTD		DRN	P.MURUGAN	INDIAN RAILWAY STANDARDS					SHEET 1 OF 1			INTEGRAL COACH FACTORY, CHENNAI - 600038					AAB16651		A3
1	BACK PIECE FOR PANEL	2.5x50x1600	1		RDSO/SPEC C-K201 X2CrNi12	1.60																																																							
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS																																																						
GROUP: 1-6					SURFACE AREA IN Sq.m.:		WT/ASSY IN Kgs:																																																						
BACK PIECE FOR PANEL					SCALE 1:1	SSE/D CHD	<i>P. Murugan</i>																																																						
					ALT.	ALTD																																																							
					DRN	P.MURUGAN																																																							
INDIAN RAILWAY STANDARDS					SHEET 1 OF 1																																																								
INTEGRAL COACH FACTORY, CHENNAI - 600038					AAB16651		A3																																																						
<table><tr><td>REF.DRG.NO.</td><td>20-12-2016</td><td><i>P. Murugan</i></td></tr><tr><td>DATE OF LATEST ALT.</td><td>DATE OF FIRST ISSUE</td><td>AME/SME</td></tr></table>									REF.DRG.NO.	20-12-2016	<i>P. Murugan</i>	DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME																																															
REF.DRG.NO.	20-12-2016	<i>P. Murugan</i>																																																											
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME																																																											
1	2	3	4	5	6	7	8																																																						

AAB16652

▽ ROUGH MACHINED	① ROUGH CLEANED
▽▽ FINISH MACHINED	①② BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	①③ 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.
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WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.

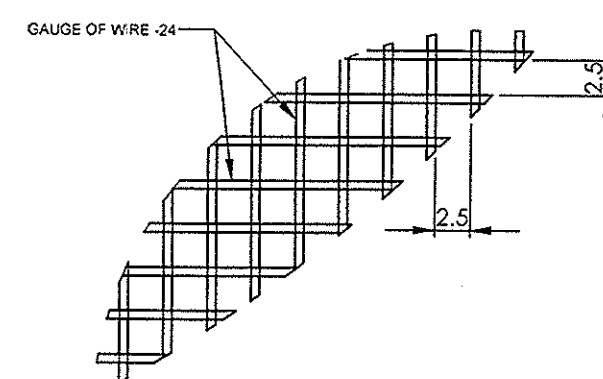
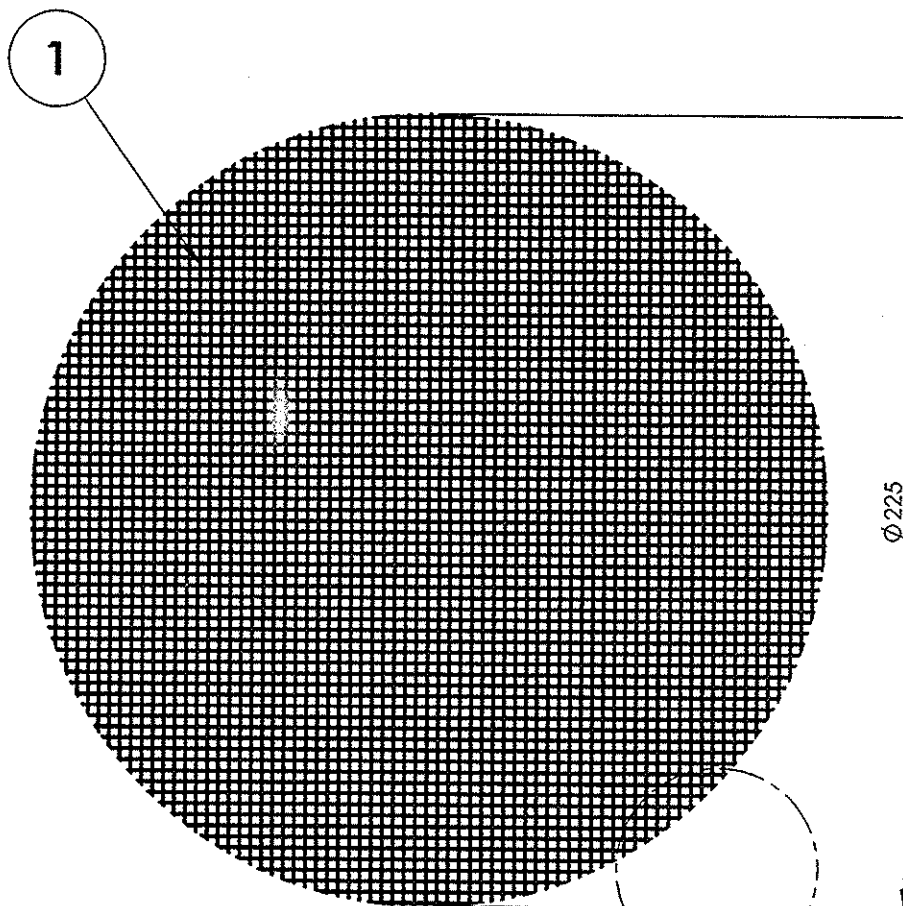
-	30-12-2016	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	A.M.E./S.M.E

1	BACK PIECE FOR PANEL	2.5x50x1023	1		RDSO/SPEC C-K201 X2CrNi12	1.02	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
BACK PIECE FOR PANEL					SCALE	SSE/D	
					1:1	CHD	
					ALT.	ALTD	
						DRN	P.MURUGAN
					INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038		
SHEET 1 OF 1		AAB16652	A3				

AAB16869

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

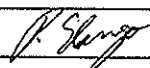
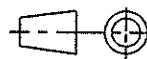
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE

DETAIL A
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.
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WEIGHT GIVEN IN DRAWING IS FOR INDICATIVE PURPOSE ONLY

REF.DRG.NO.-

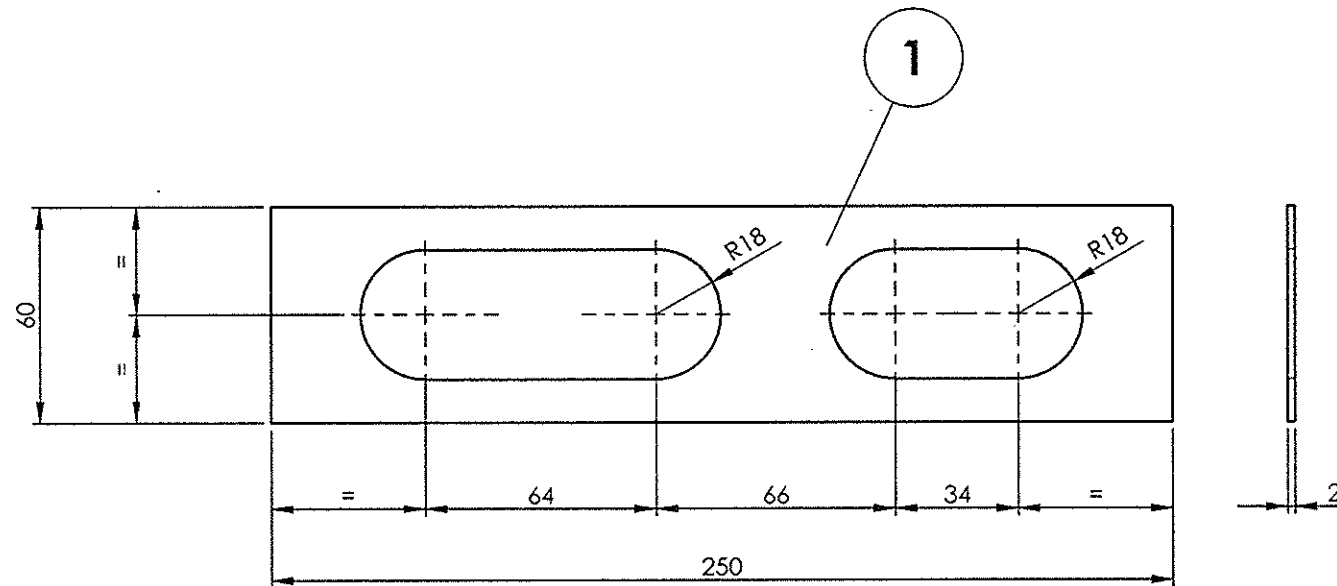
	10-04-2017	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	MESH	GAUGE 24xØ225	1		SS-304	0.06	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-0		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
MESH					SCALE	SSE/D	
					1:2	CHD	
					ALT.	ALTD	
						DRN	T.J.Kumaravelu
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038							
					SHEET 1 OF 1	AAB16869	
							A3

AAB16916

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



REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE



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REF.DRG.NO.-

	13-07-2017	<i>Gulab</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

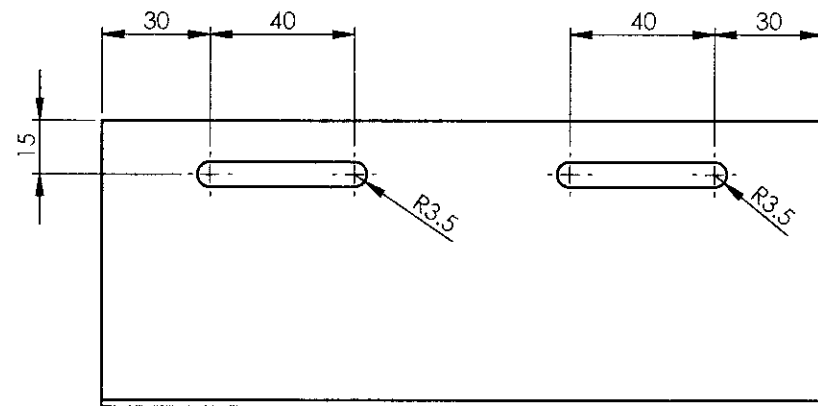
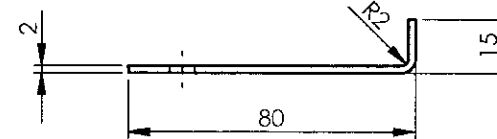
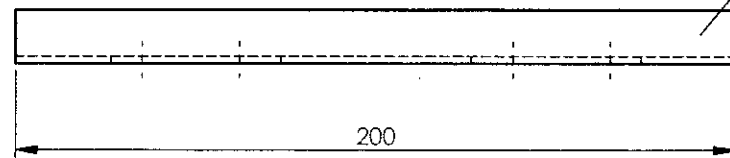
1	BACK PIECE	2x60x250	1		RDSO/SPEC C-K201 X2CrNi12	0.15	
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 ROOF ASSY.		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
BACK PIECE					SCALE	SSE/D	
					1:2	CHD	
					ALT.	ALTD	
						DRN	B.SARAVANAN
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038				SHEET 1 OF 1			
					AAB16916		A3

AAB16917

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

REVISIONS

ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		Ø9 HOLES ALTD TO ELANGATED HOLES	
b		RADIUS OF THE ELONGATED HOLE ALTERED FROM 4.5 TO 3.5	



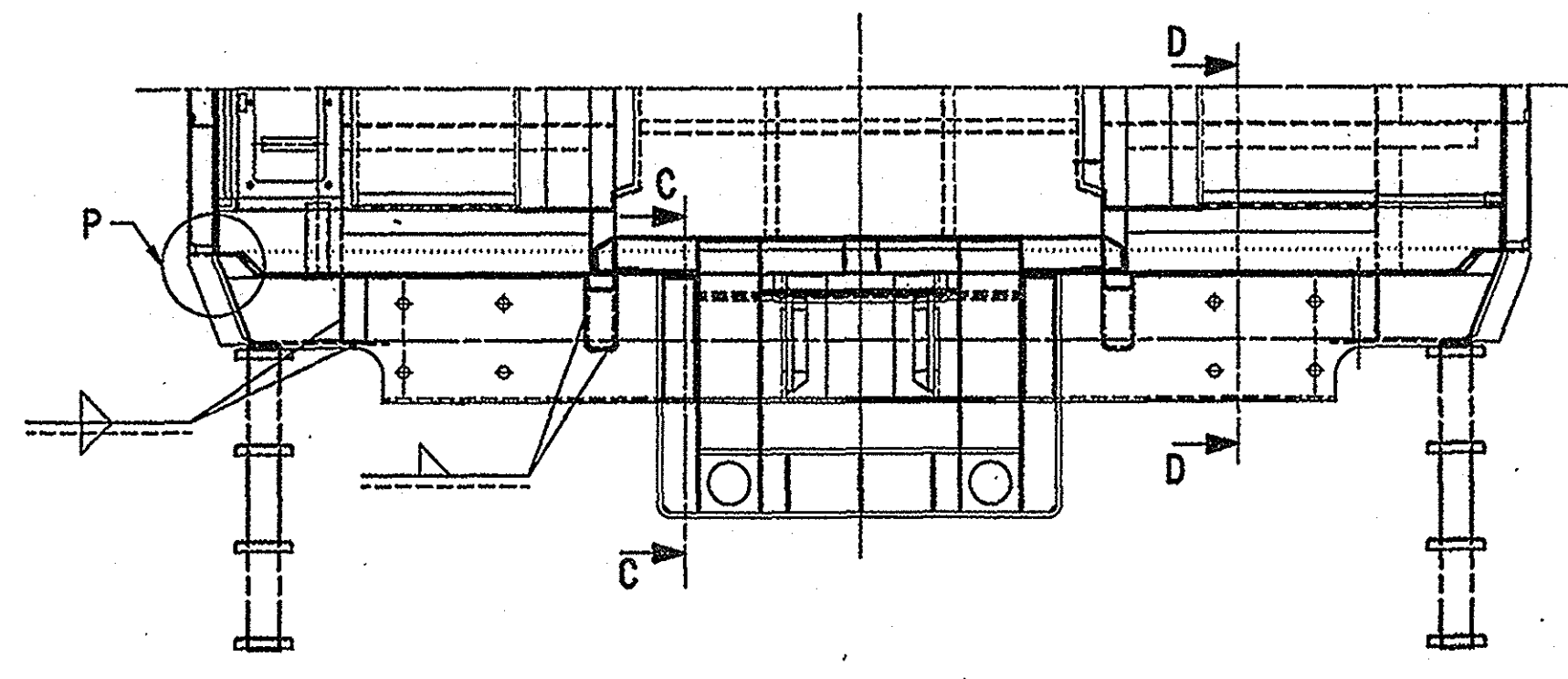
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED. FOR UNTOLERANCED DIMENSIONS AND ROUGHNESS VALUES, REFER DRAWING NO ICF/STD-9-0-001.
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REF.DRG.NO.-

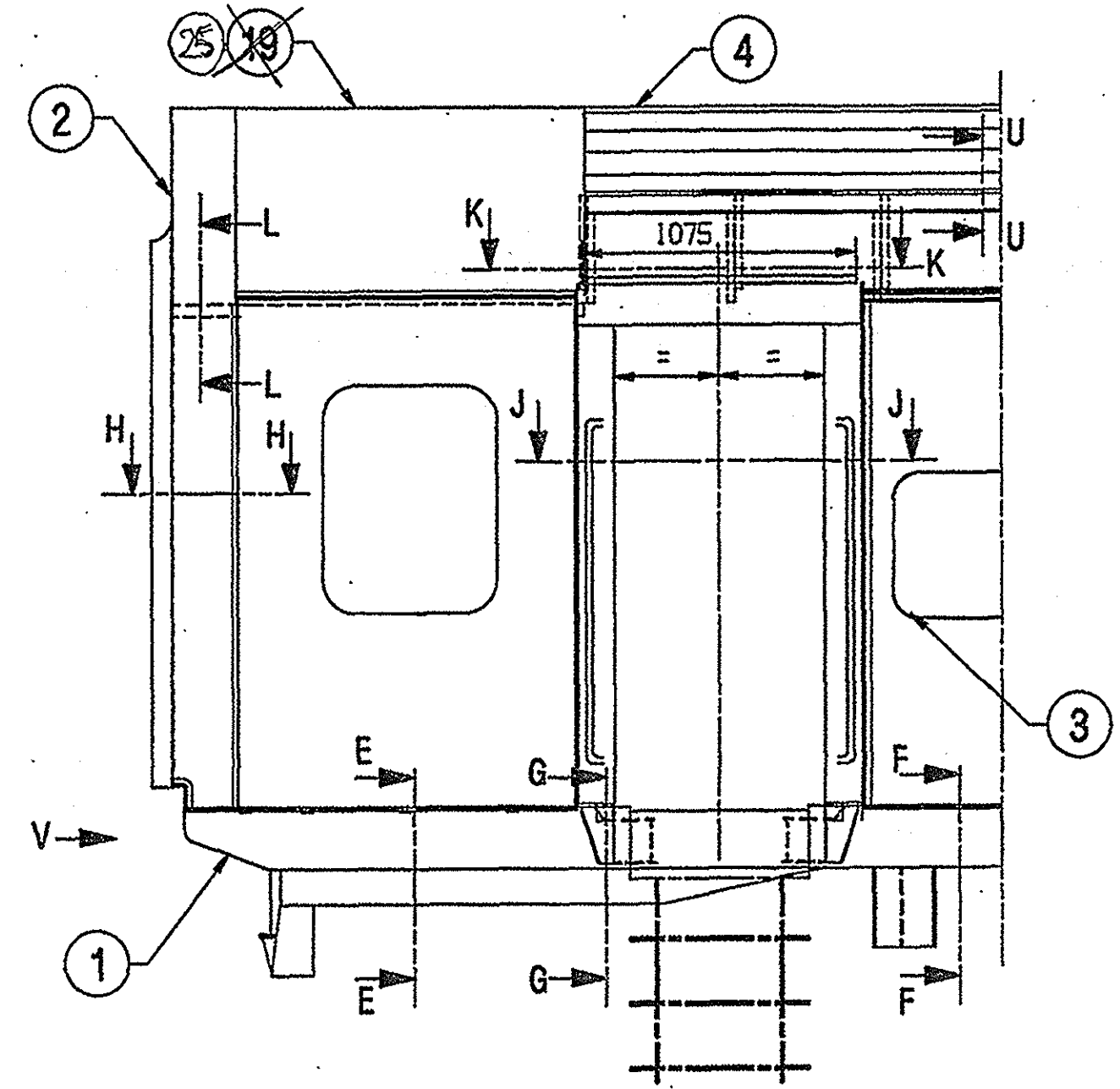
28-10-2021	13-07-2017	
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

1	ANGLE	2x91x200	1		RDSO/SPEC C-K201 X2CrNi12	0.28	
Default	DESCRIPTION	DIMENSIONS	ITEM NO.	REF. DRGS	MATL.SPEC.	WT/UNIT IN KGS	REMARKS
GROUP: 1-6 Roof Construction		SURFACE AREA IN Sq.m.:			WT/ASSY IN Kgs:		
ANGLE				SCALE	SSE/D		
				1:2	CHD		
				ALT. b	ALTD	S.Bala V.Subramani	
					DRN	B.SARAVANAN	
				INDIAN RAILWAY STANDARDS		SHEET 1 OF 1	
AAB16917							
A3							
INTEGRAL COACH FACTORY, CHENNAI - 600038							

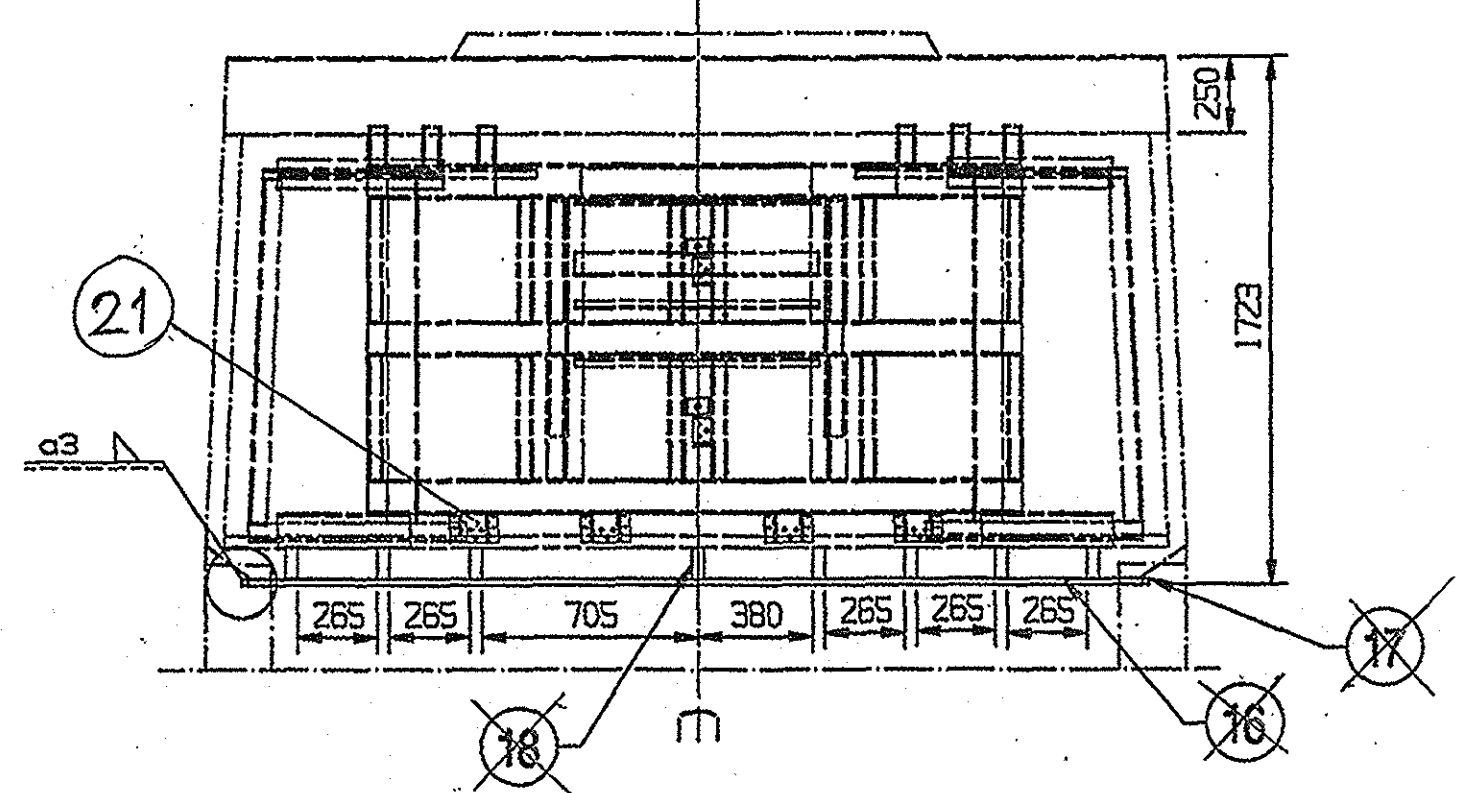
ALT. NO.	ALT. DATE	ZONE	ALTERATIONS	AUTHORITY



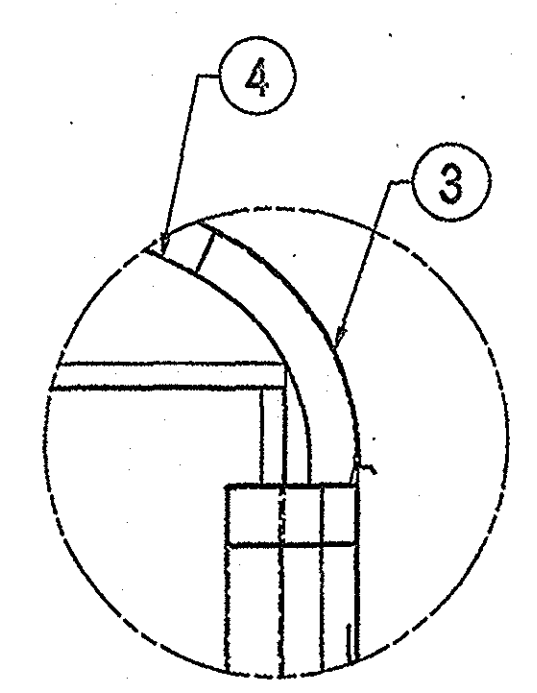
VIEW FROM 'V'



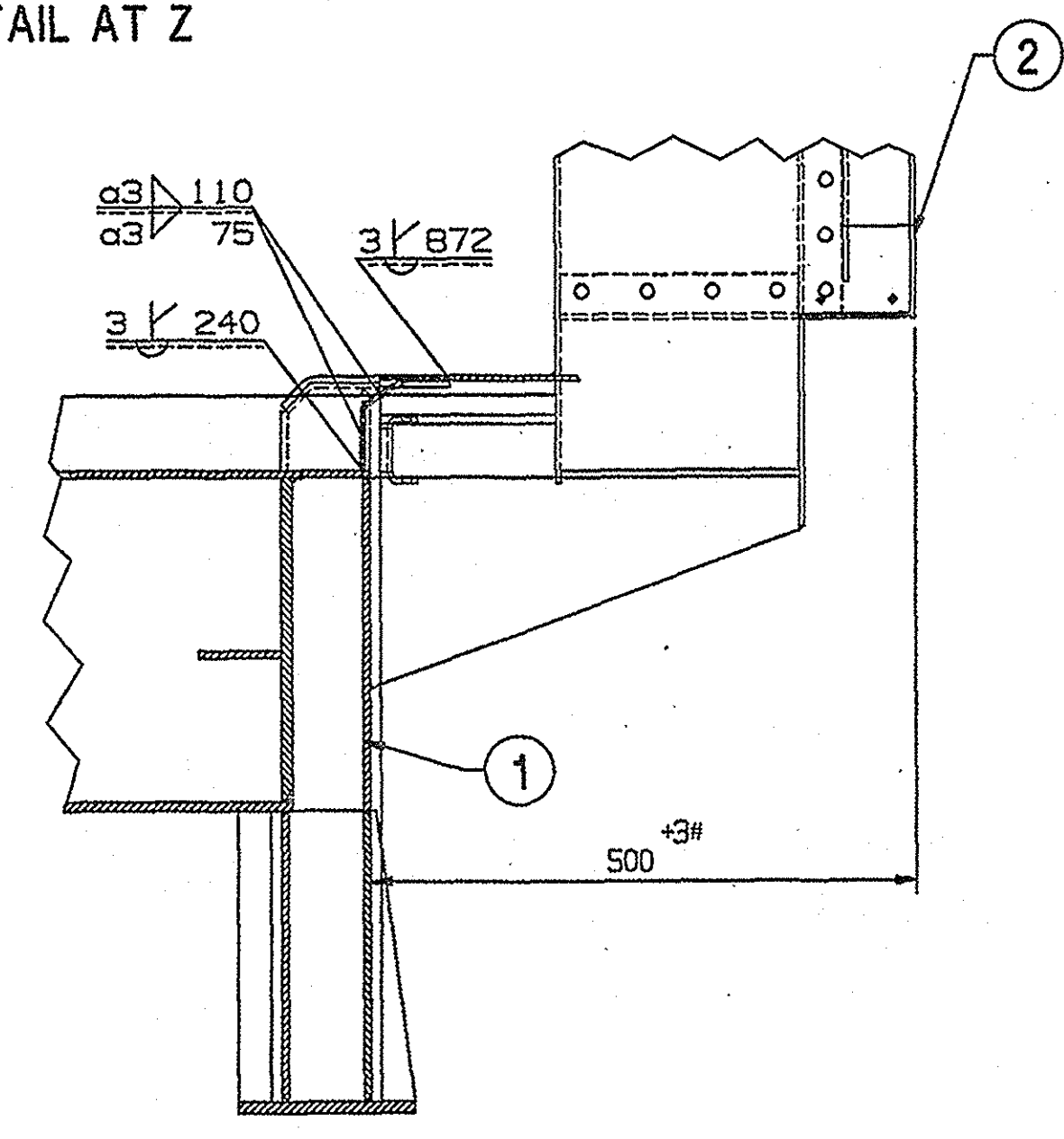
DETAIL AT Z



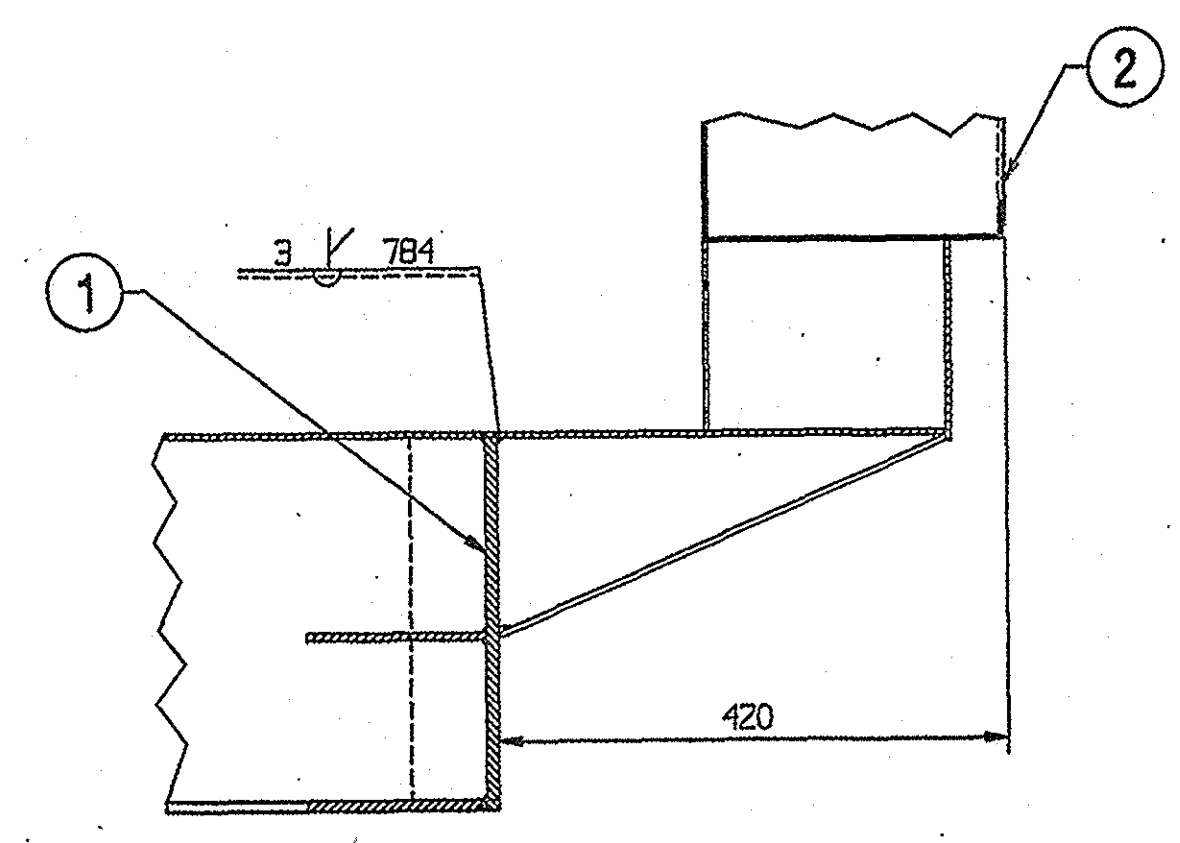
SECTION-PP



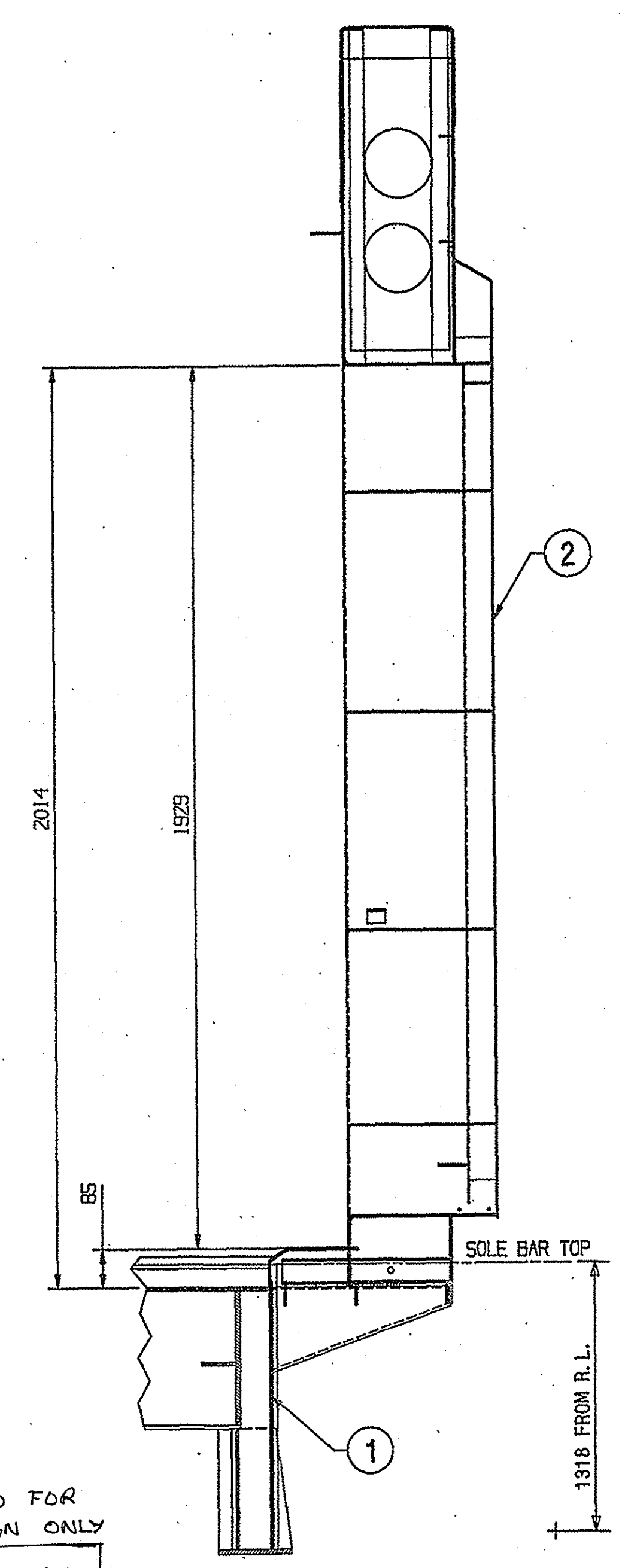
DETAIL AT P1



SECTION-CC



SECTION-DD



SECTION-TT

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ANNEXURE ISSUED FOR LWSCZ ICF DESIGN ONLY

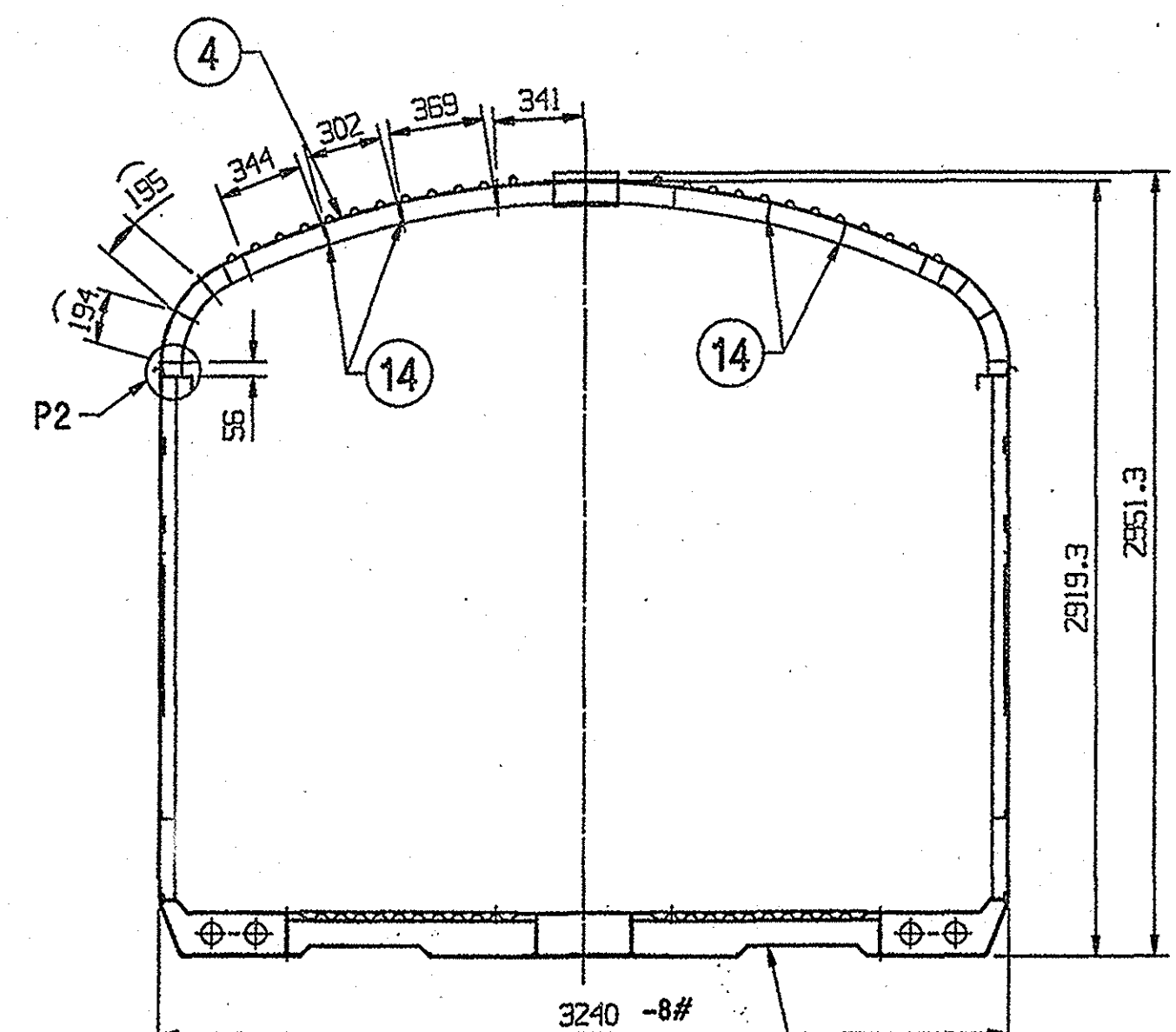
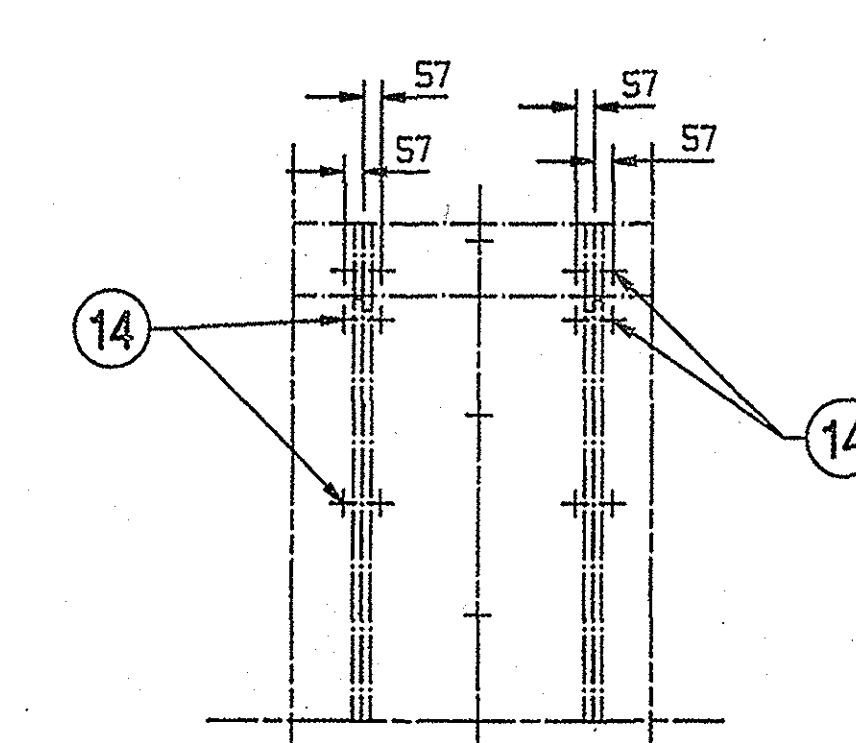
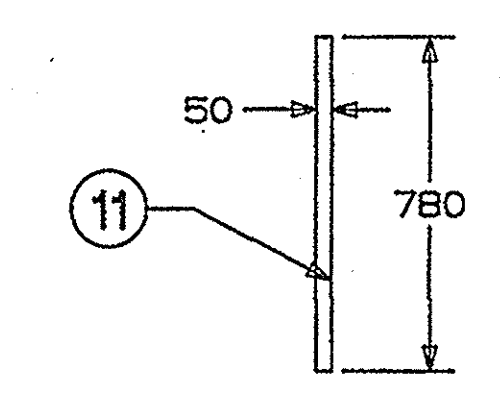
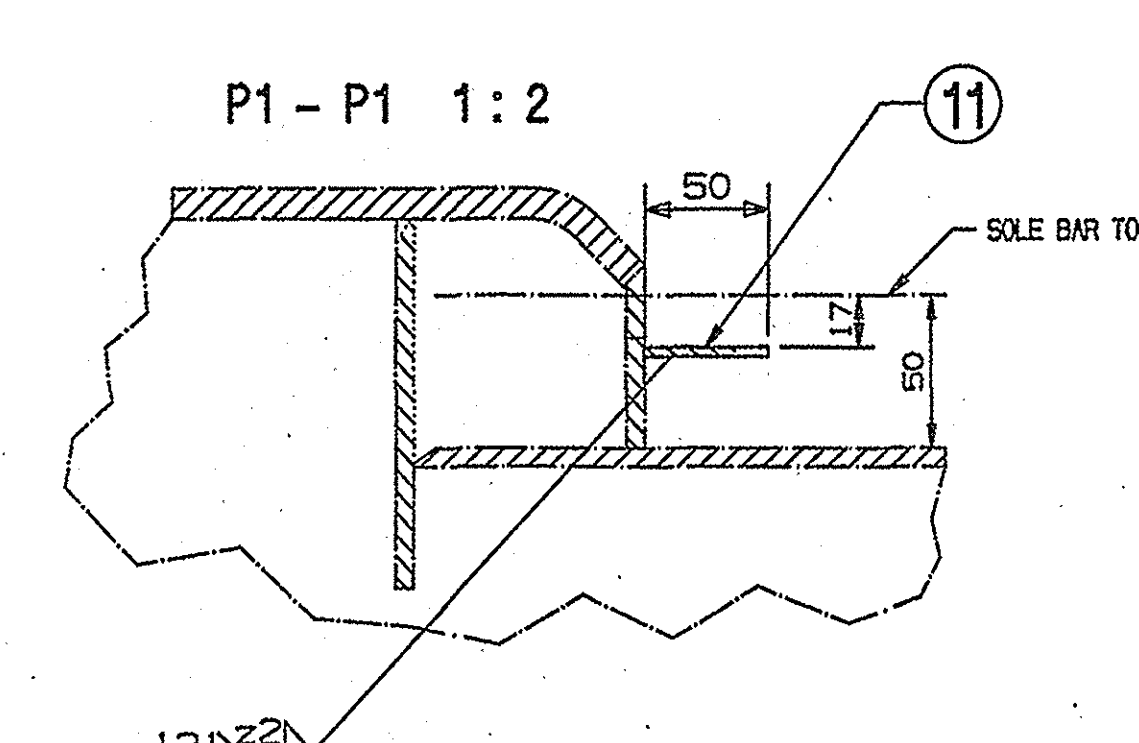
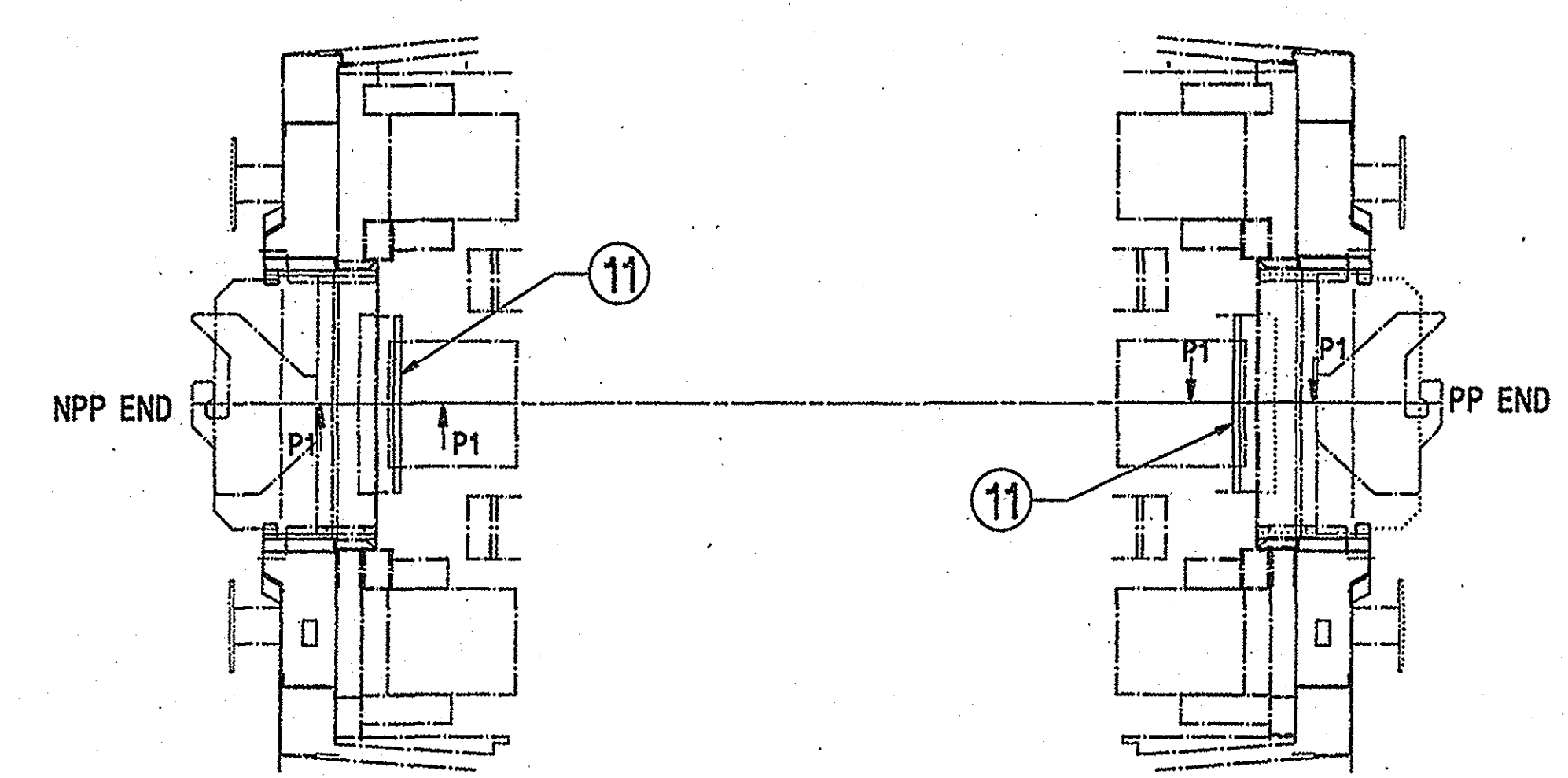
REFER SHEET 4 OF 4
DATE 15/10/17
SSE/D
SME/D
LJ10212-ANX-2

ANNEXURE ISSUED FOR LWSCZ ICF DESIGN ONLY

REFER SHEET 4 OF 4
DATE 15/10/17
SSE/D
SME/D
LJ10212 ANX-1

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	NATL. & SPEC.	REMARKS
NIL	GROUP	BODY SHELL ASSEMBLY				
WEIGHT	FILE	\\hs022\shel\l\pkbh\LJ10212a2b.prt (2D)				
12100.0	KG	BODY SHELL ASSEMBLY (STAGE-I)				
S. AREA	M ²	FOR II CLASS NON-AC C/CAR(EOG)				
NIL		(LHB SHELL ON FIAT BOGIES) TO LAY.NO. LJ90007				
LENGTH/DIA						
23.700	M	RAIL COACH FACTORY, KAPURTHALA				
WIDTH/THICK.						
3.240	M	रेलकोच फैक्टरी कपूरथला				
HEIGHT						
4.039	M	IRS				
		PL NO. 00000000				
		DRG.NO. LJ10212				
		REF.DWG. LJ10191				
		SCALE: 1:50				
		DATE: 15/10/17				
		DESIGNER: [Signature]				
		CHECKED: [Signature]				
		APPROVED: [Signature]				

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ANNEXURE ISSUED FOR
LWSCZ ICF DESIGN ONLY

REFER SHEET 4 OF 4

18/11/18
DATE

P. Kango
SSE/D

(Signature)
SME/D

LJ10212 -ANX-2

ANNEXURE ISSUED FOR
LWSEZ ICF DESIGN ONLY

REFER SHEET 4 OF 4

15/4/17
DATE

[Signature]
SSE/D

[Signature]
SME

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSY	DETAIL DRG	NATL. & SPEC.	REMARKS
NIL	M	GROUP BODY SHELL ASSEMBLY	SUPERSEDES:	LJ10212	ALT a	
WEIGHT	FILE	\\hs022\shell\pkbh\l_j10212s3b.prt (2D)				
12100.	KG	BODY SHELL ASSEMBLY (STAGE-I) FOR II CLASS NON-AC C/CAR(EOG) (LHB SHELL ON FIAT BOGIES) TO LAY.NO. LJ90007			SCALE	SSE/REG
S.AREA				1:50	CHD	harb
NIL	M ²				DRN	pkbh
LENGTH/B+A						
23.700	M	RAIL COACH FACTORY, KAPURTHALA			REF.DR.No.	LJ10191
WIDTH/FH+OK.		रेल कोच फैक्टरी कपूरथला	IRS	PL NO.	00000000	
3.240	M			DRG.NO.	LJ10212	
HEIGHT			NR	ALT. 1 b	SIZE/LA (SHEET) 1/4	
4.038	M	✓	ADP/ENCL	✓		

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DATE OF FIRST ISSUE

30/04/2013

CGM BY

1

18/11/21

--	--

HEIGHT
039 M



/5315

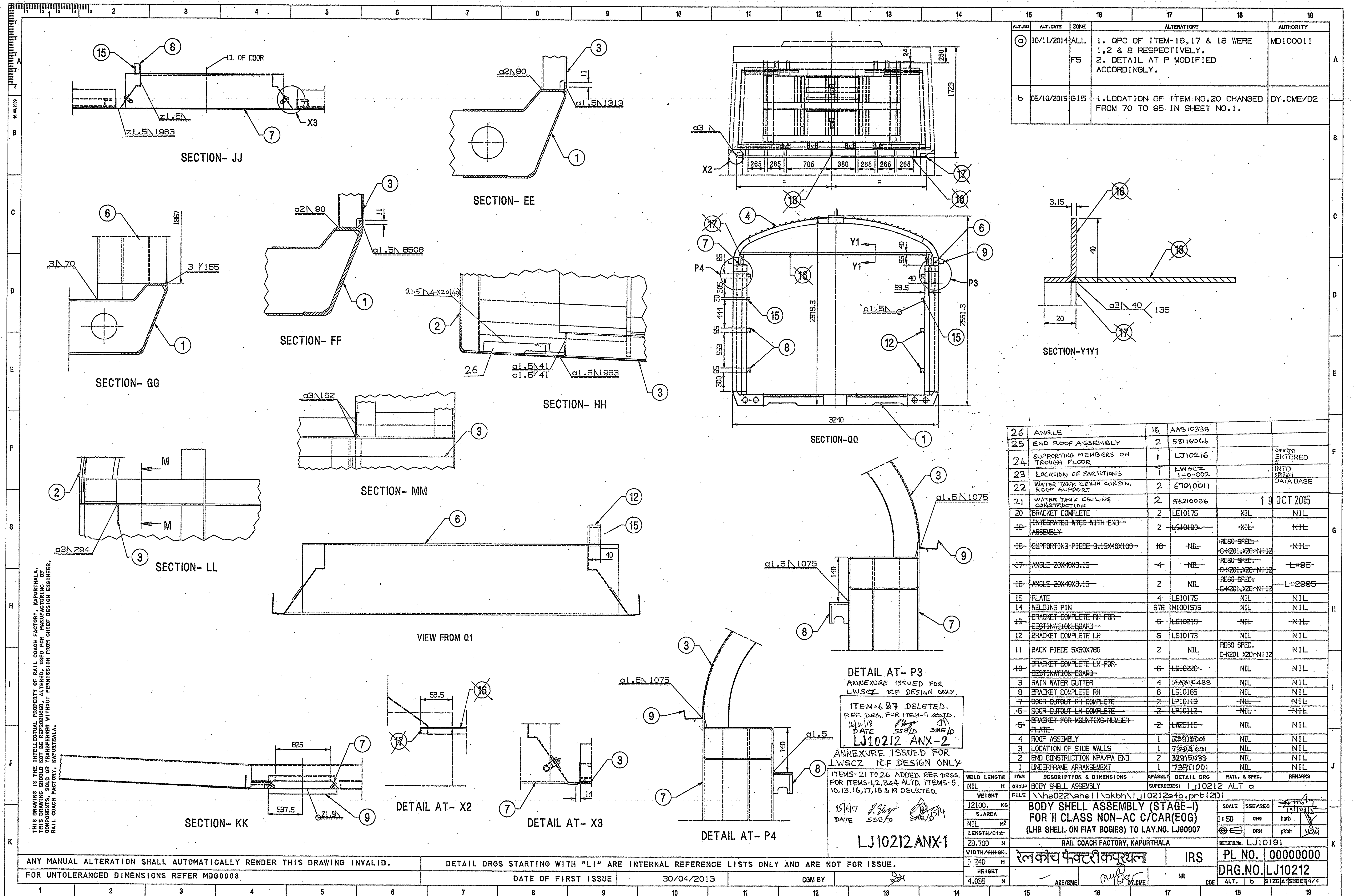
10/15

NR

DRG	
ALT	

NO.	LJ1
b	SIZE

212
SHEET 3/4

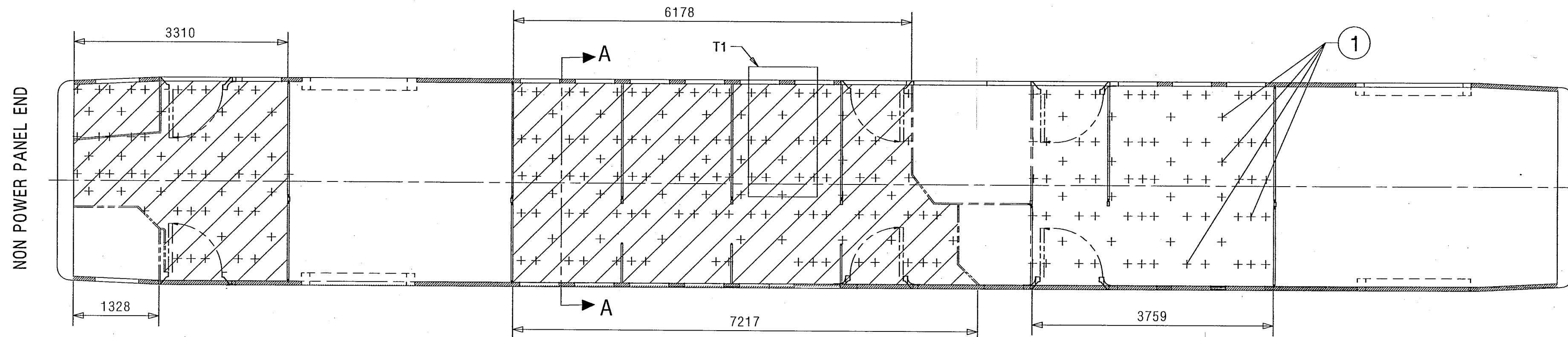


ALT. NO.	ALT. DATE	ZONE	ALTERATIONS	AUTHORITY
a	10/11/2014	ALL	1. QPC OF ITEM-16, 17 & 18 WERE 1, 2 & 8 RESPECTIVELY. 2. DETAIL AT P MODIFIED ACCORDINGLY.	MD100011
b	05/10/2015	G15	1. LOCATION OF ITEM NO. 20 CHANGED FROM 70 TO 95 IN SHEET NO. 1.	DY. CME/D2

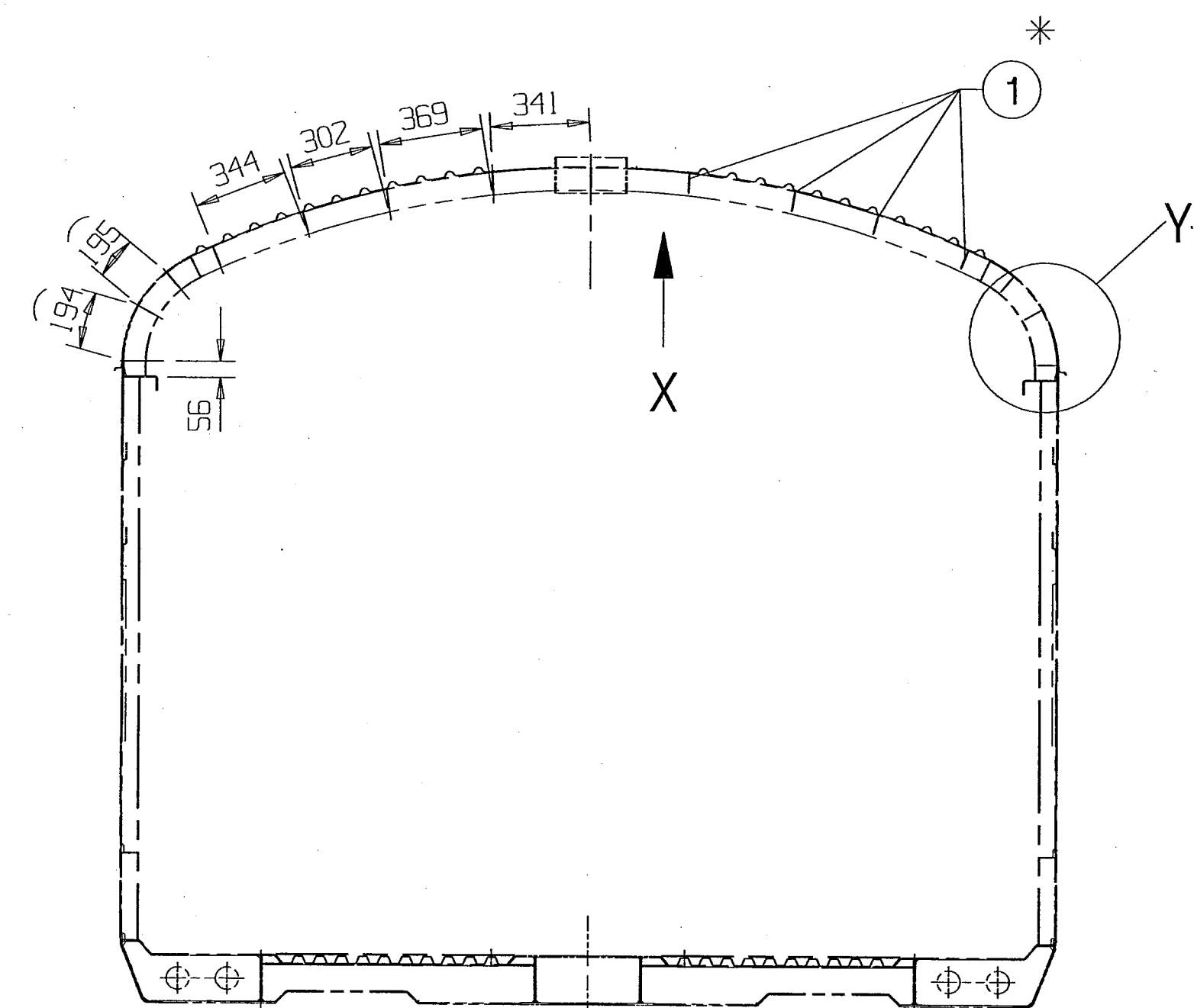
26	ANGLE	16	AAB10338		
25	END ROOF ASSEMBLY	2	58116066		
24	SUPPORTING MEMBERS ON TROUGH FLOOR	1	LJ10216		अनुमति ENTERED
23	LOCATION OF PARTITIONS	1	LWSCZ 1-0-002		INTO मॉडल डेटा BASE
22	WATER TANK CEILING CONSTN. ROOF SUPPORT	2	67010011		
21	WATER TANK CEILING CONSTRUCTION	2	58210036		19 OCT 2015
20	BRACKET COMPLETE	2	LE10175	NIL	NIL
19	INTEGRATED WTEC WITH END ASSEMBLY	2	LS10100	NIL	NIL
18	SUPPORTING PIECE 3.15X40X100	16	NIL	ROSO SPEC. C-K201 X20-N112	NIL
17	ANGLE 20X40X3.15	4	NIL	ROSO SPEC. C-K201 X20-N112	L=85
16	ANGLE 20X40X3.15	2	NIL	ROSO SPEC. C-K201 X20-N112	L=2985
15	PLATE	4	LG10175	NIL	NIL
14	WELDING PIN	676	M1001576	NIL	NIL
13	BRACKET COMPLETE RH FOR DESTINATION BOARD	6	LS10219	NIL	NIL
12	BRACKET COMPLETE LH	6	LG10173	NIL	NIL
11	BACK PIECE 5X50X780	2	NIL	ROSO SPEC. C-K201 X20-N112	NIL
10	BRACKET COMPLETE LH FOR DESTINATION BOARD	6	LG10220	NIL	NIL
9	RAIN WATER BUTTER	4	AAA0488	NIL	NIL
8	BRACKET COMPLETE RH	6	LG10185	NIL	NIL
7	DOOR CUTOUT RH COMPLETE	2	LP10113	NIL	NIL
6	DOOR CUTOUT LH COMPLETE	2	LP10112	NIL	NIL
5	BRACKET FOR MOUNTING NUMBER PLATE	2	LW20115	NIL	NIL
4	ROOF ASSEMBLY	1	73918001	NIL	NIL
3	LOCATION OF SIDE WALLS	1	73914001	NIL	NIL
2	END CONSTRUCTION NPA/PA END	2	32915033	NIL	NIL
1	UNDERFRAME ARRANGEMENT	1	73911001	NIL	NIL

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL	GROUP	BODY SHELL ASSEMBLY	SUPERSEDES: 1	LJ10212	ALT a	
WEIGHT	FILE	\\hs022\shell\pkb\110212s4b.prt (2D)				
12100. KG						
S. AREA						
NIL						
LENGTH/PI						
23.700 M						
WIDTH/THICK.						
240 M						
HEIGHT						
4.039 M						

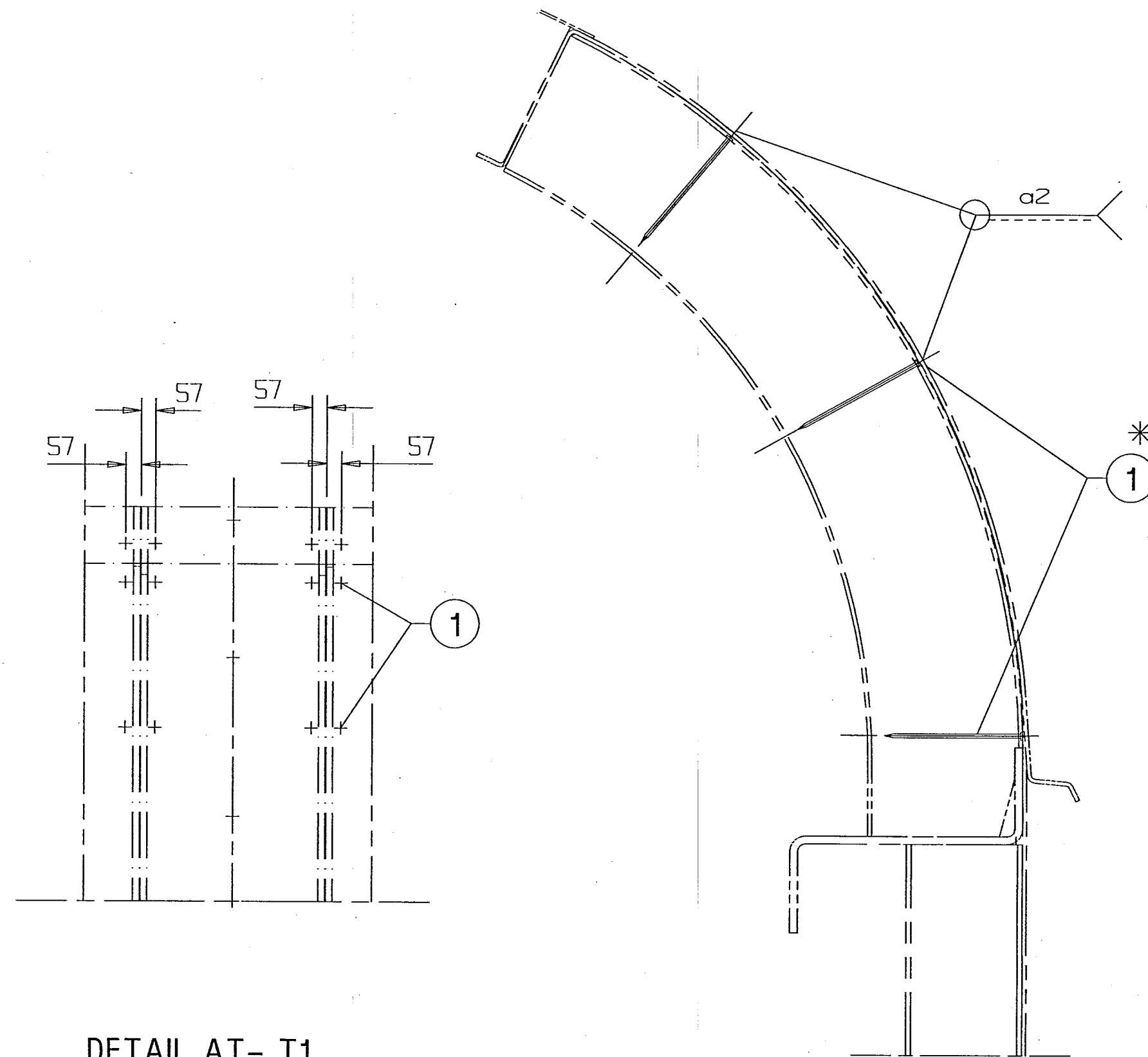
BODY SHELL ASSEMBLY (STAGE-I) FOR II CLASS NON-AC C/CAR(EOG) (LHB SHELL ON FIAT BOGIES) TO LAYNO. LJ90007		SCALE	SSE/REC	DATE
RAIL COACH FACTORY, KAPURTHALA		1:50	CHD	harb
रेल कोच फैक्टरी कपूरथला		DRN	pkh	15/11/15
IRS		PL NO.	00000000	
DRG. NO. LJ10212		ALT.	b	SIZE A (SHEET) 4/4



VIEW FROM- X

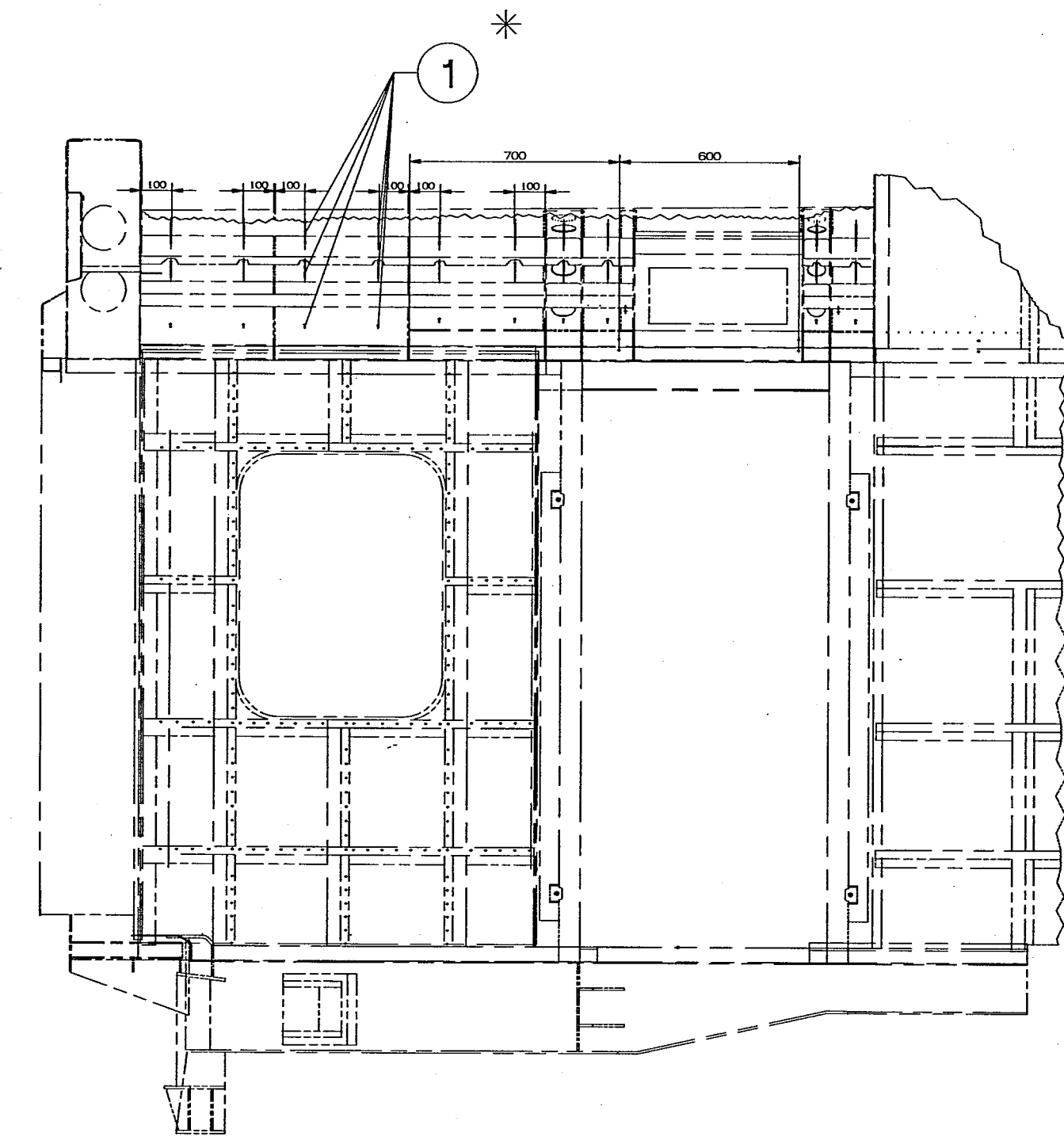


SECTION- AA



DETAIL AT- T1

DETAIL AT- Y



VIEW FROM- Z

NOTE:-

1. * All insulation spikes are positioned centrally in the sections and 100mm to the Arch.

		INSULATING WELDING PINS Ø 2X70		375	MI001576	NIL		NIL					
WELD LENGTH		ITEM DESCRIPTION & DIMENSIONS		OPASSLY DETAIL DRG		MATL. & SPEC.		REMARKS					
NIL		M GROUP BODY SHELL ASSEMBLY		SUPERSEDES:		NIL							
WEIGHT		FILE		\\Nas\shell\kmal\lr\lr10218.prt (2D)									
NIL		KG		ARRANGEMENT OF WELDING PINS FOR LHB TYPE SLR COACH				SCALE		SSE/REF			
S.AREA								1 : 20		CHD		21/04/08	
NIL		M ²						⊗ ⊞		DRN		hwb	
LENGTH/DIA												22/04/08	
NIL		M		RAIL COACH FACTORY, KAPURTHALA				REF.DRG.No.		NIL			
WIDTH/THICK.				INDIAN RAILWAYS STANDARD				PL NO.		NIL			
NIL		M						DRG.NO.		LR10218			
HEIGHT								ALT.		NIL			
NIL		M		ADE/SME		BY.CME		NR		CDE			
								ALT.		NIL			
								SIZE		A SHEET 1 1			

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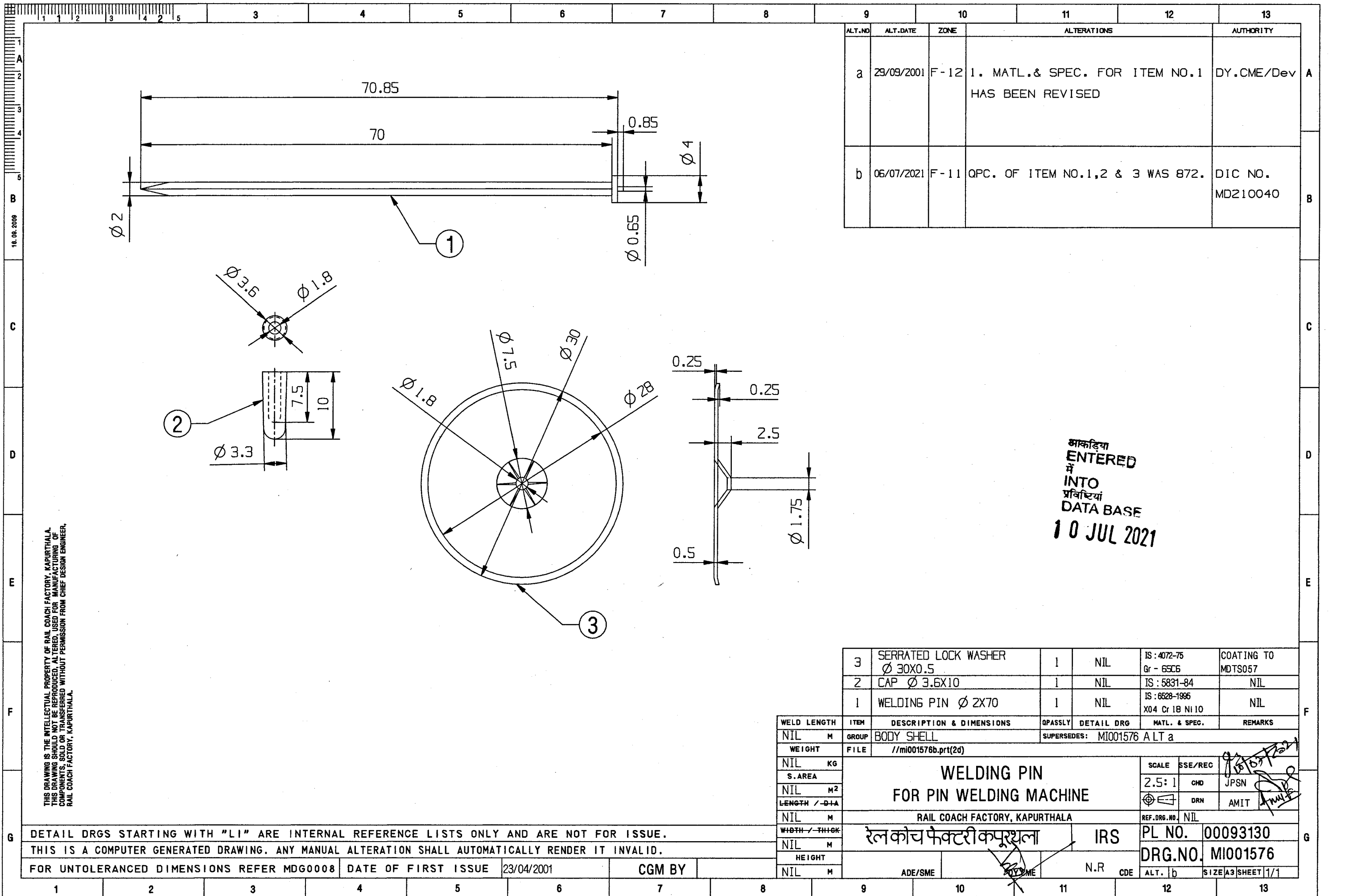
DATE OF FIRST ISSUE

15/04/2008

CGM BY

21/04/08

21 APR 2008



ALT.NO	ALT.DATE	ZONE	ALTERATIONS	AUTHORITY
a	29/09/2001	F-12	1. MATL.& SPEC. FOR ITEM NO.1 HAS BEEN REVISED	DY.CME/Dev
b	06/07/2021	F-11	QPC. OF ITEM NO.1,2 & 3 WAS 872.	DIC NO. MD210040

अकडिया
ENTERED
मे
INTO
प्रविष्टियां
DATA BASE
10 JUL 2021

3	SERRATED LOCK WASHER Ø 30X0.5	1	NIL	IS : 4072-75 Gr - 65C6	COATING TO MDTS057
2	CAP Ø 3.6X10	1	NIL	IS : 5831-84	NIL
1	WELDING PIN Ø 2X70	1	NIL	IS : 6528-1995 X04 Cr 18 Ni 10	NIL

WELD LENGTH	ITEM	DESCRIPTION & DIMENSIONS	QPASSLY	DETAIL DRG	MATL. & SPEC.	REMARKS
NIL	M	GROUP BODY SHELL				
WEIGHT	FILE	//mi001576b.prt(2d)				
NIL	KG					
S.AREA						
NIL	M ²					
LENGTH / -DIA						
NIL	M					
WIDTH / THICK						
NIL	M					
HEIGHT						
NIL	M					

WELDING PIN FOR PIN WELDING MACHINE				SCALE	SSE/REC
				2.5:1	CHD
				DRN	AMIT
RAIL COACH FACTORY, KAPURTHALA				REF.DRG.NO.	NIL
रेल कोच फैक्टरी कपूरथला				PL NO.	00093130
IRS				DRG.NO.	MI001576
ADE/SME				ALT.	b
N.R				SIZE	A3
CDE				SHEET	1/1

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FOR UNTOLERANCED DIMENSIONS REFER MDG0008

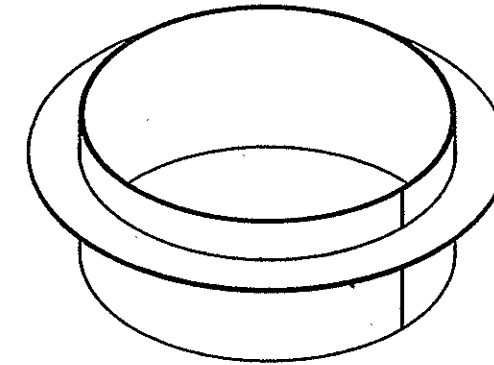
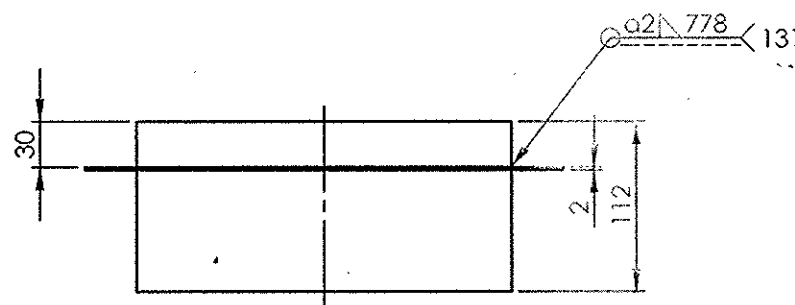
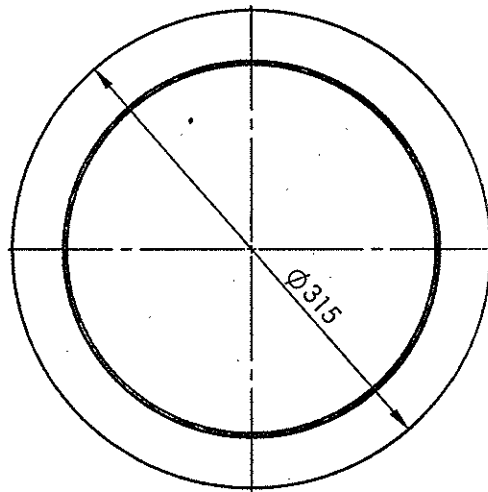
DATE OF FIRST ISSUE 23/04/2001

CGM BY

SSA16022

▽▽ FINISH MACHINED	⑪ BURRS REMOVED
▽▽▽ FINE FINISH MACHINED	⑫ CHAMFERED

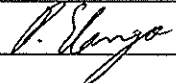
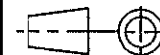
REVISIONS			
ALT.	ZONE	DESCRIPTION	APPROVED & DATE
a		NOTE-7 DELETED.	



ISOMETRIC VIEW

NOTE:

1. LEAK PROOF WELDING TO BE ENSURED.
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. ALL WELDINGS SHALL BE TIG WELDING UNLESS OTHERWISE SPECIFIED.
7. FINISHED ASSEMBLY SHALL BE APPLIED WITH (AIRLESS SPRAY) ECO FRIENDLY WATER BASED MODIFIED EPOXY ZINC PHOSPHATE PRIMER TO ICF/MD/SPEC-231.

1	RING		2	AAA16842		0.47		
1	TUBE		1	AAA16841		1.38		
QTY.	DESCRIPTION	DIMENSIONS	ITEM NO.	REF.DRGS.	MATL	WT/UNIT IN KGS	REMARKS	
GROUP: 1-6			SURFACE AREA IN Sq.m.:0.238		WT/ASSY IN Kgs:			
RING COMPLETE FOR ROOF VENTILATOR					SCALE	SSE/D		
					1:5	CHD		
					ALT. a	ALTD	B.Suresh	
						DRN	S.Bala V.Subramani.	
INDIAN RAILWAY STANDARDS INTEGRAL COACH FACTORY, CHENNAI - 600038								
SHEET 1 OF 1					SSA16022		A3	

23-05-2015	24-09-2013	<i>(Signature)</i>
DATE OF LATEST ALT.	DATE OF FIRST ISSUE	AME/SME

REF.DRG.NO.LS16151

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