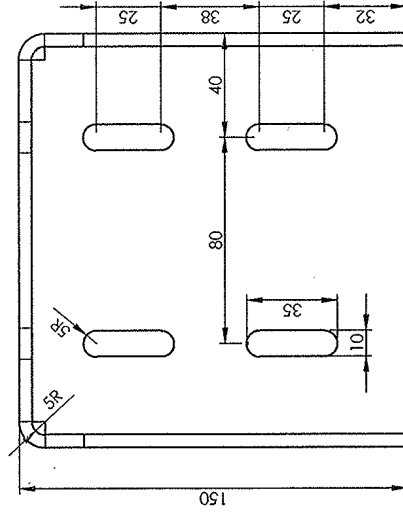
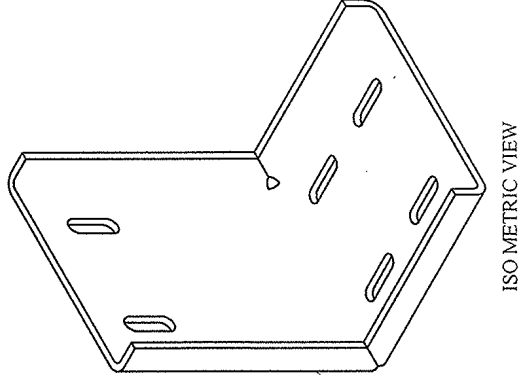
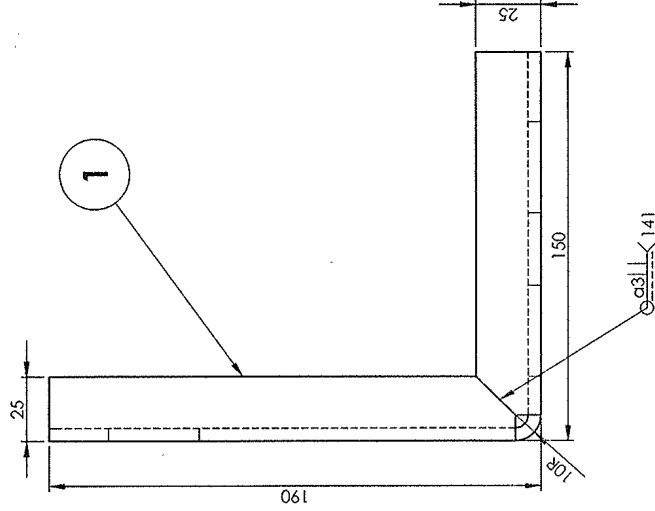
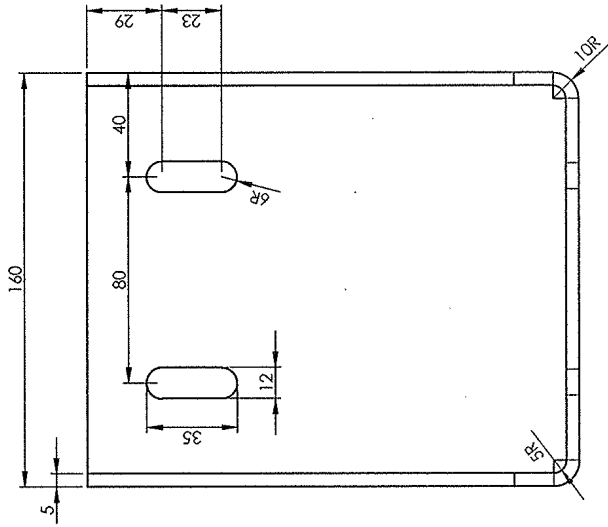


Signature Not Verified
Digitally signed by

3323690/2020/06/06889. DMM/JU/NWR

| REVISIONS | | | APPROVED & DATE |
|-----------|----------------------|---|-----------------|
| ▽ | ROUGH MACHINED | ① | |
| ▽▽ | FINISH MACHINED | ② | |
| ▽▽▽ | FINE FINISH MACHINED | ③ | |
| ALT. | ZONE | DESCRIPTION | |
| a | | CHANNEL LIP SIZE ALTD. FROM 20mm TO 25mm. RM SIZE ALTD. ACCORDINGLY. | |



CHANNEL

| QTY. | CHANNEL | 5X194X332 | DIMENSIONS | ITEM NO. | REF. DRGS | MATL.SPEC. | WT/UNIT IN KGS | REMARKS |
|--|---------|-----------|------------|----------|-----------|------------|----------------|---------|
| 1 | CHANNEL | 5X194X332 | | 1 | | ALSI-316L | 2.44 | |
| GROUP: 6-3 | | | | | | | | |
| SURFACE AREA IN Sq.m.: | | | | | | | | |
| SCALE | | | | | | | | |
| 1:5 | | | | | | | | |
| SSE/D | | | | | | | | |
| CHD | | | | | | | | |
| ALT. a | | | | | | | | |
| ALTD | | | | | | | | |
| DRN | | | | | | | | |
| ILAMPOZHILAN | | | | | | | | |
| ILAMPOZHILAN | | | | | | | | |
| INDIAN RAILWAY STANDARDS | | | | | | | | |
| INTEGRAL COACH FACTORY, CHENNAI - 600088 | | | | | | | | |
| SHEET 1 OF 1 | | | | | | | | |
| AA63680 | | | | | | | | |
| A3 | | | | | | | | |

"JOINTLY DEVELOPED BY IR & DRDO"

Date: 2025/03/12

Reason: ITR/PS/CR/18

Location: New Delhi

REF.DRG.NO.:-

DATE OF FIRST ISSUE

AME/SAE

07-04-2017

DATE OF LATEST ALT.

9 -11-2017

page 3 of 4

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

DATE OF FIRST ISSUE

9 -11-2017

DATE OF LATEST ALT.

07-04-2017

AME/SAE

</

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



SECTION A-A
SCALE 1 : 20



SECTION C-C
SCALE 1 : 20

SECTION B-B
SCALE 1 : 10

DETAIL F
SCALE 1 : 4

DETAIL D
SCALE 1:5



DETAIL G
SCALE 1:5

NOTE:
 1. ITEM 4 SHALL BE DONE AS PER PROCEDURE DEFINED IN CLAUSE NO.7 OF S-15206-2003;
 2. MANUFACTURER OF ITEMS 6, 7 & 8 SHALL BE UNBRAKO OR ITS OR IFF OR DJF ONLY.
 3. TIGHTNING TORQUE OF ITEM-6 SHALL BE 170NM.

| ITEMS FOR TOURN | | 22 | PROVCO- | | | |
|-----------------|----------------------|----|--------------------|---------|--|--|
| 1 | AVANTAGE TAN | 21 | 16110 | | | |
| 2 | 3/8" X 2" CLAMP | 20 | 3/8" X 2" CLAMP | ANS-304 | | |
| 3 | SHOCK STEEL HEX NUT | 19 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 4 | SPRING LOCK WASHER | 18 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 5 | PLAIN WASHER | 17 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 6 | PLAIN WASHER | 16 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 7 | SHOCK STEEL HEX HEAD | 15 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 8 | SAFETY STRAP | 14 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 9 | SAFETY STRAP | 13 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 10 | SAFETY STRAP | 12 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 11 | SAFETY STRAP | 11 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 12 | SAFETY STRAP | 10 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 13 | SAFETY STRAP | 9 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 14 | SAFETY STRAP | 8 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 15 | SAFETY STRAP | 7 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 16 | SAFETY STRAP | 6 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 17 | SAFETY STRAP | 5 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 18 | SAFETY STRAP | 4 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 19 | SAFETY STRAP | 3 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 20 | SAFETY STRAP | 2 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 21 | SAFETY STRAP | 1 | 3/8" X 1 1/2" T-FL | ANS-304 | | |
| 22 | SAFETY STRAP | | | | | |

| | | | | | |
|--|--|--------------------------------------|---------------------------------|--------------------------|----|
| MOUNTING OF IR-DRDO BIO-DIGESTER SYSTEM ON LHB COACHES (LH) | | SCALE: 1:50 CHD ALTD: a DPN | SSS/70 CHD ALTD: a DPN | RAMPOREHAN RAMPOREHAN | A1 |
| INDIAN RAILWAY STANDARDS INTERNAL COACH FACTORY, CHENNAI - 600008 | | SHEET 1 OF 1 | | 32963203 | A1 |