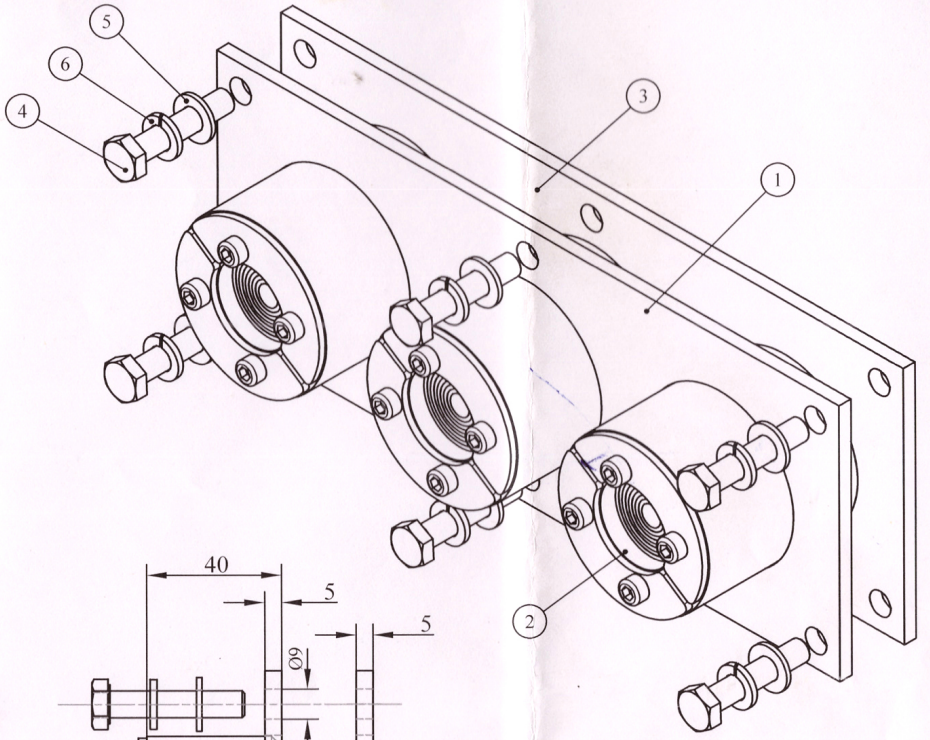
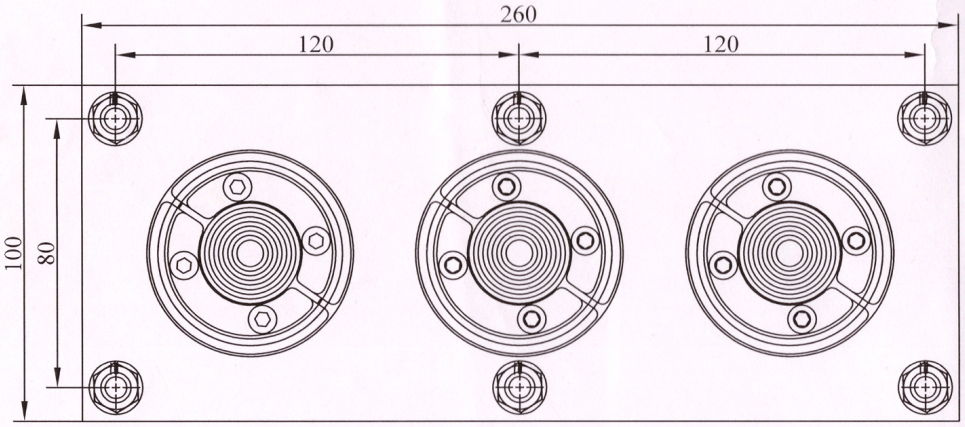
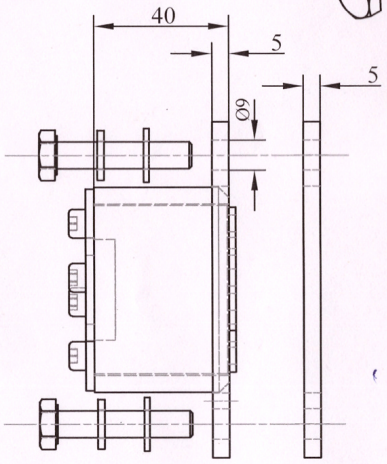
Draft Copy of Modified Drg for Set of Cable Transit System

Note: (i) Modification indicated in Red
(ii) All other details are remain same

Rmy
SSE/Dsy







NOTE:
1. ALL DIMENSIONS ARE IN MM.

ITEM	QTY	Description	Specification
6	6	M8 Spring Washer	SS304
5	6	M8 Plain Washer	SS304
4	6	M8X30 Heax Head	SS304
3	1	EPDM Gasket	5mm Thk. EPDM
2	3	~~EPDM Module CRS 50~~ *	STD
1	1	~~Sleeve Assy. For CRS 50~~ *	MS GRADE Fe 410(Primed Black)

* EPDM ROUND MODULE C-50 (8-30) ←
* Sleeve Assly for EPDM ROUND MODULE C-50 (8-30) ←

DRAWN	
CHECKED SSE	
AEE/D-I	
APPROVED DY.CEE/D-I	
DATE	
SCALE	
REF.	

CHITTARANJAN LOCOMOTIVE WORKS

EPDM MODULES FOR SEALING OF ROOF TOP CABLES NEAR RESISTOR HARMONIC FILTER FOR 3 PHASE LOCOMOTIVES

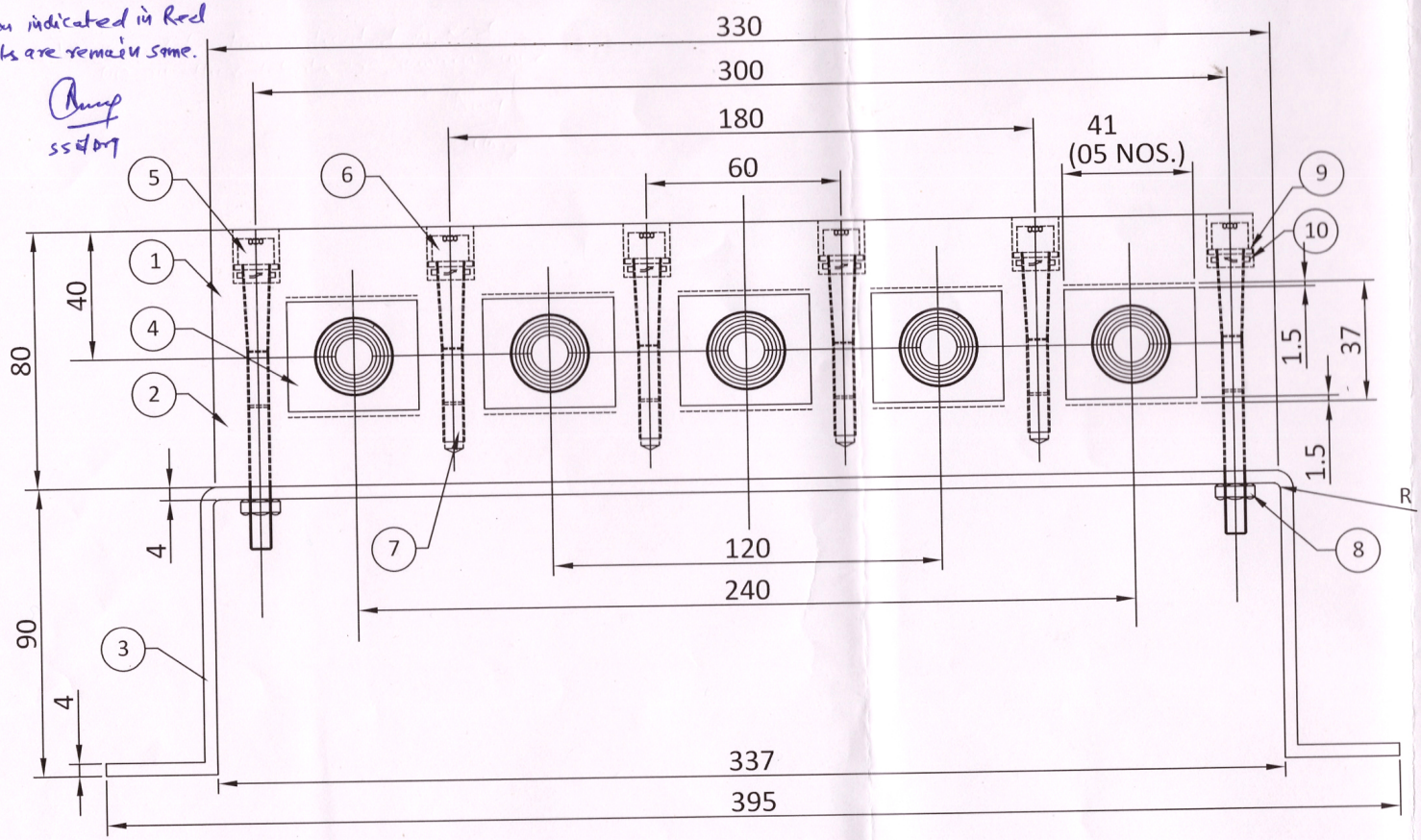
DRG. No. CLW/ES/03/C-61/SK-4/1
SHEET 1 A3
ALTERATION NO. D

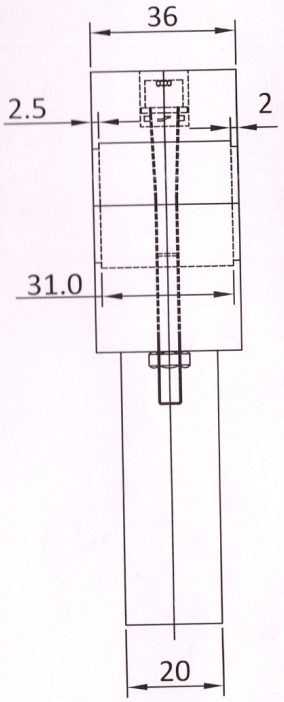
3RD ANGLE PROJECTION
USED FOR LOCO

Draft copy of Modified Drg. for Cable Transit system

Note: (1) Modification indicated in Red
(1) All other details are remain same.

Ramp
SS304





SL. NO.	DESCRIPTION	Qty.	MATERIAL/SIZE	WEIGHT
10.	Spring Washer for M8	08 NOS.		
9.	Plain Washer for M8	08 NOS.		
8.	Hex Nut M8	02 NOS.		
7.	M8 Insert	04 NOS.	SS304	
6.	M8X60 Allen Socket Head Bolt(MS)	04 NOS.		
5.	M8X90 Allen Socket Head Bolt(MS)	02 NOS.		
4.	~~EPDM MODULE CM 40 10-32~~ *	05 NOS.	*EPDM MODULE 40X40	
3.	Clamp	01 NOS.	MS	
2.	Bottom Part	01 NOS.	SRBGF UP-1	
1.	Top Part	01 NOS.	SRBGF UP-1	

NOTE:
1. ALL DIMENSIONS ARE IN MM.

DRAWN	
CHECKED SSE	
AEE/D-I	
APPROVED DY.CEE/D-I	
DATE	
SCALE	

CHITTARANJAN LOCOMOTIVE WORKS

EPDM MODULES FOR UNDER FRAME CABLES FOR TM EARTHING & SENSOR FOR 3 PHASE LOCOMOTIVES

DRG.No. CLW/ES/03/C-61/SK-4/2

SHEET A3

ALTERATION NO. D

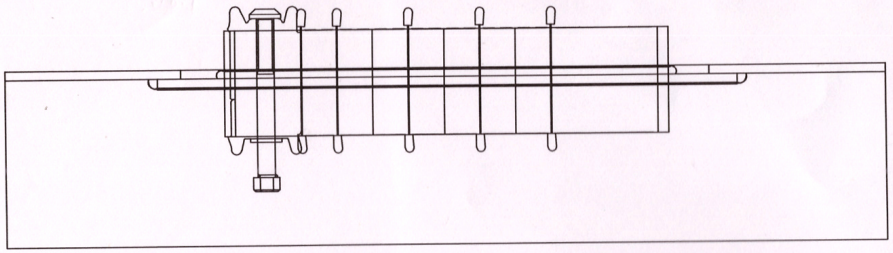
3RD ANGLE PROJECTION

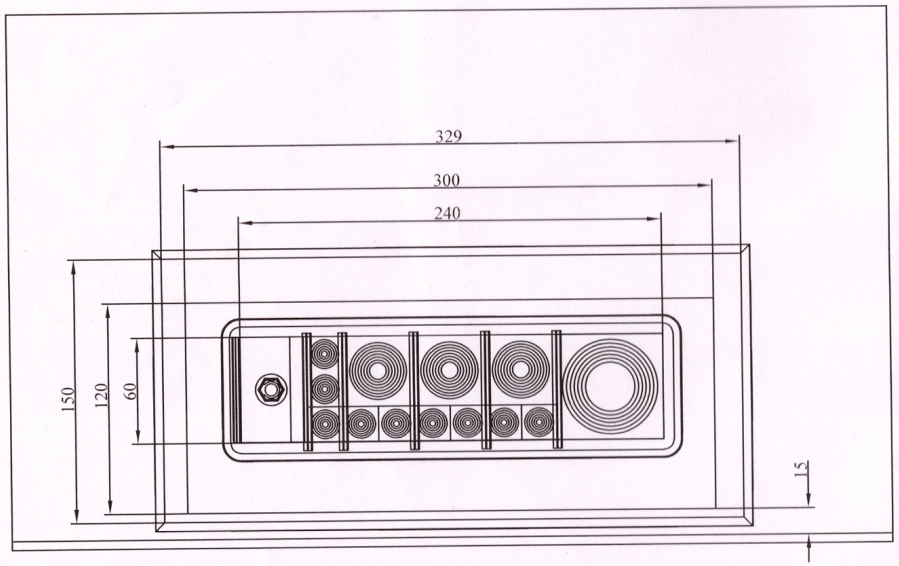
USED FOR LOCO

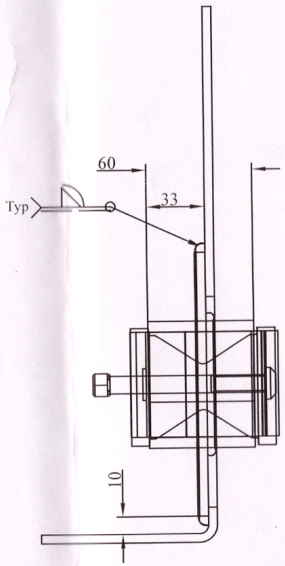
Draft Copy of Modified Drg. for Set of Cable Transit System

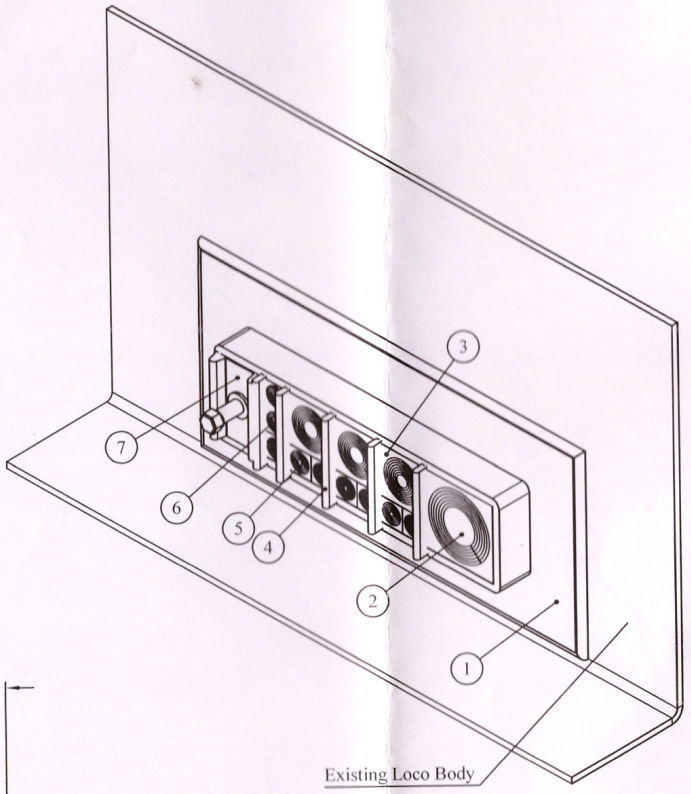
Note : (I) Modification indicated in Red
(II) All other details are remain same

SSE/Dy









NOTE:
1. ALL DIMENSIONS ARE IN MM.

ITEM	QTY	Description	Specification	Remarks
7	1	Wedge (60mm)	STD.	
6	1	~~RM20w40~~ *	STD. → * EPDM MODULE 20X40	
5	7	~~RM20~~ *	STD. → * EPDM MODULE 20X20	
4	5	Stayplate (60mm)	STD.	
3	3	~~EPDM MODULE RM40~~ *	STD. → * EPDM MODULE 40X40	
2	1	~~EPDM MODULE RM60~~ *	STD. → * EPDM MODULE 60X60	
1	1	S Frame 60mm wide with Flange	Mild Steel Primed (Black) Grade Fe 410	

DRAWN	
CHECKED SSE	
AEE/D-I	
APPROVED DY.CEE/D-I	
DATE	
SCALE	
REF	

CHITTARANJAN LOCOMOTIVE WORKS

EPDM MODULES FOR COPPER PIPES TRANSIT FROM ENGINE ROOM TO DRIVER CAB (LHS & RHS) FOR 3 PHASE LOCOMOTIVES

DRG. No. CLW/ES/03/C-61/SK-4/3

SHEET A3

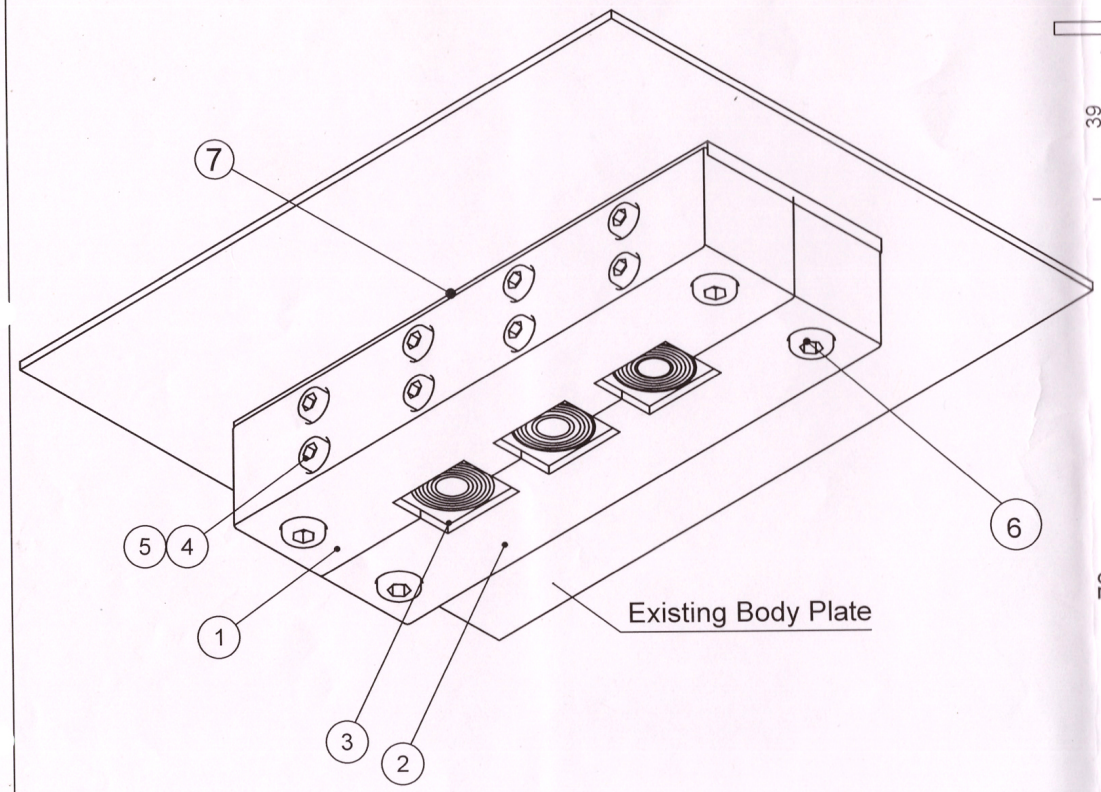
ALTERATION NO. D

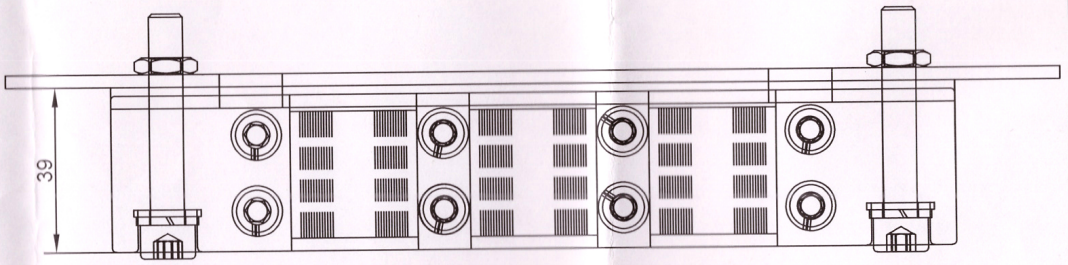
3RD ANGLE PROJECTION

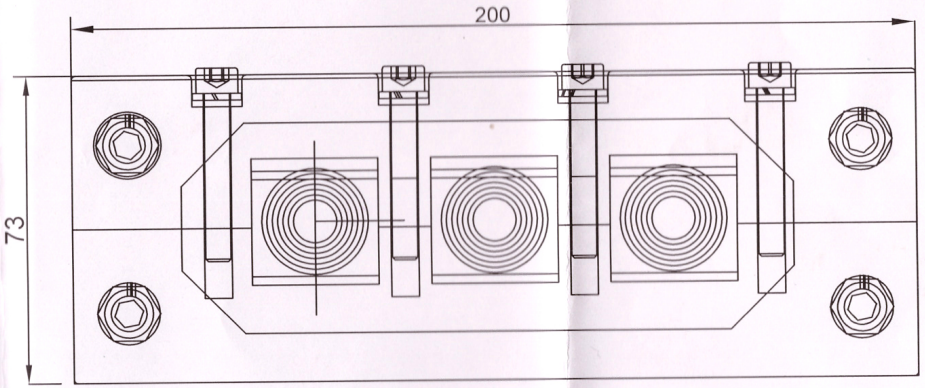
USED FOR LOCO

Draft Copy of Modified Drg. for Set of Cable Transit System

Note: (i) Modification indicated in Red
(ii) All other details are remain same.
SSE/Drg.







NOTE:
1. ALL DIMENSIONS ARE IN MM.

ITEM	QTY	Description	Specification	Remarks
7	1	EPDM Gasket		
6	4	M8X50 Allen Head Bolt with Plain & Spring Washer	Mild Steel	
5	8	M8 Insert, 20mm long	Mild Steel	
4	8	M6X30 Allen Head Bolt with Plain & Spring Washer	Mild Steel	
3	3	~~EPDM MODULE CM30~~ *	STD.	
2	1	TM Bottom Plate (Inside to Outside)	SRBGF UP-1	
1	1	TM Top Plate (Inside to Outside)	SRBGF UP-1	

* EPDM MODULE 30X30 ←

DRAWN	
CHECKED SSE	
AEE/D-I	
APPROVED DY.CEE/D-I	
DATE	
SCALE	
REF.	

CHITTARANJAN LOCOMOTIVE WORKS

EPDM MODULES FOR CABLES TRANSIT FROM INSIDE TO OUTSIDE FOR TM (JUNCTION BOX) FOR 3 PHASE LOCOMOTIVES

DRG. No. CLW/ES/03/C-61/SK-4/4

SHEET A3

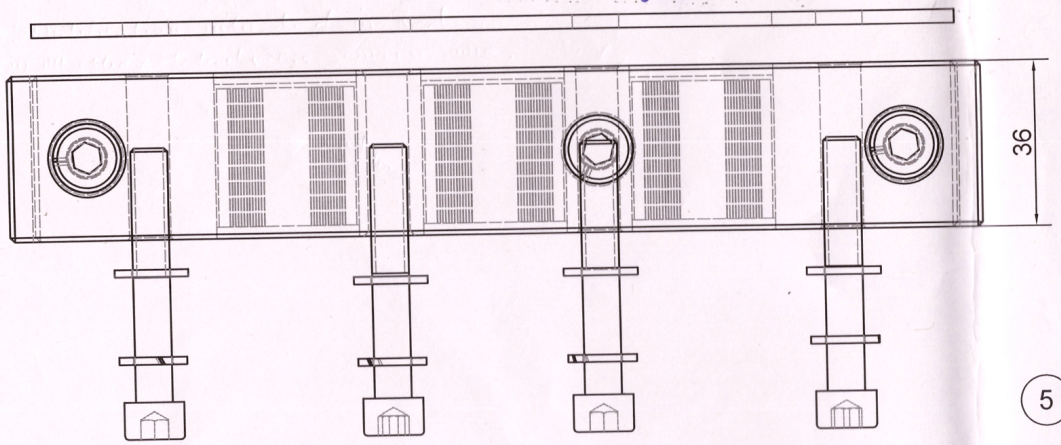
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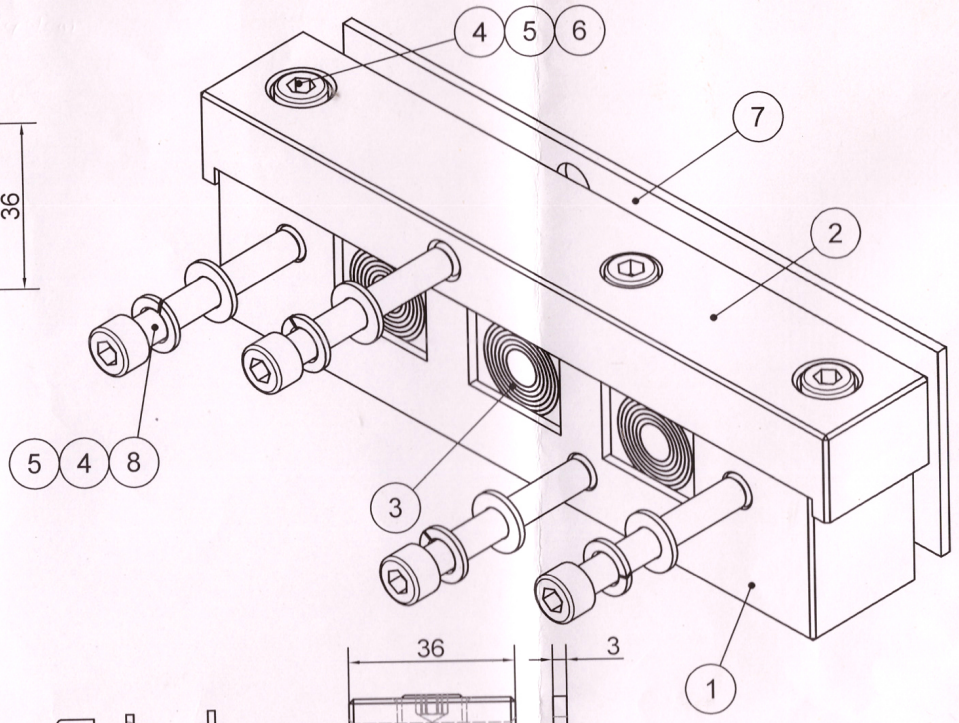
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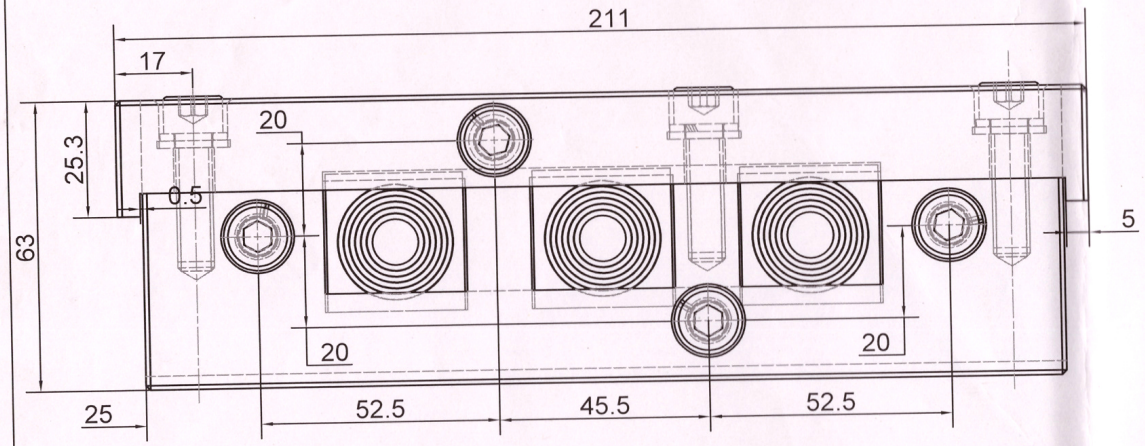
USED FOR LOCO

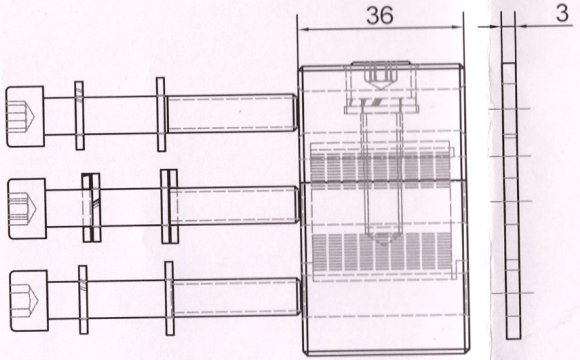
Draft Copy of Modified Drg. for Set of Cable Transit System

Note: (i) Modification indicated in Red
(ii) All other details are remain same. SSE/DY









NOTE:
1. ALL DIMENSIONS ARE IN MM.

ITEM	QTY	Description	Specification	Remarks
8	4	M8X55 Allen Head Bolt	Mild Steel(Black coated)	
7	1	EPDM Gasket	EPDM	
6	3	M8X30 Allen Head Bolt	Mild Steel(Black coated)	
5	7	M8, Spring Washer	MS	
4	7	M8, Plain Washer	MS	
3	3	~~EPDM MODULE CM30~~ *	STD.	
2	1	Top Part	SRBGF UP-1	
1	1	Bottom Part	SRBGF UP-1	

* EPDM MODULE 30X30 ←

DRAWN	
CHECKED SSE	
AEE/D-I	
APPROVED DY.CEE/D-I	
DATE	
SCALE	
REF.	

CHITTARANJAN LOCOMOTIVE WORKS

EPDM MODULES FOR TRACTION MOTOR CABLE TERMINAL BOX FOR 3 PHASE LOCOMOTIVES

DRG. No. CLW/ES/03/C-61/SK-4/5

SHEET 1 A3

ALTERATION NO. D

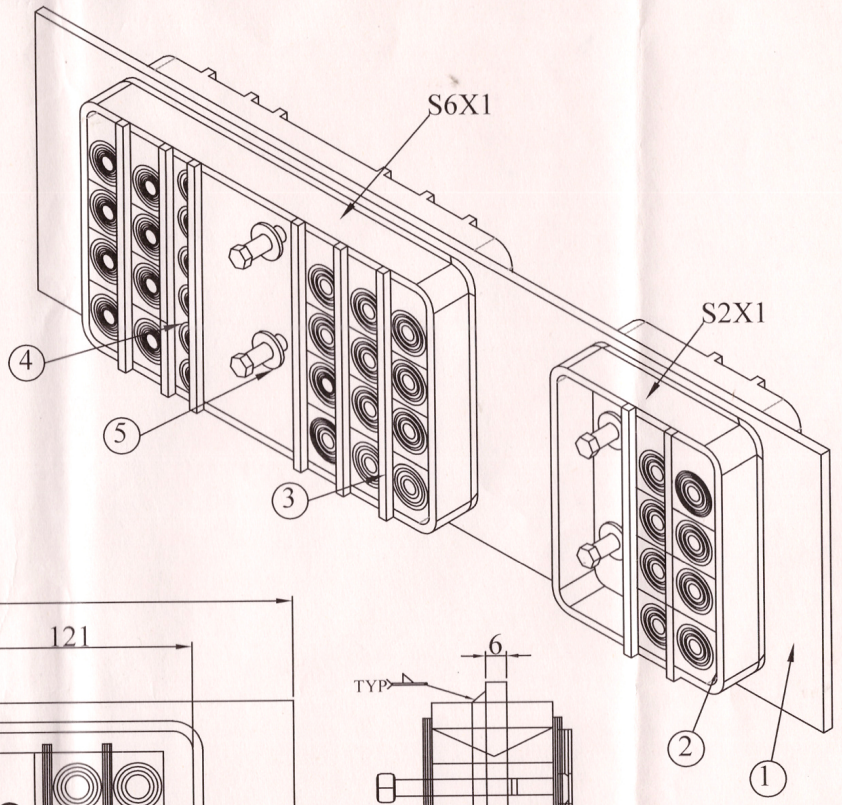
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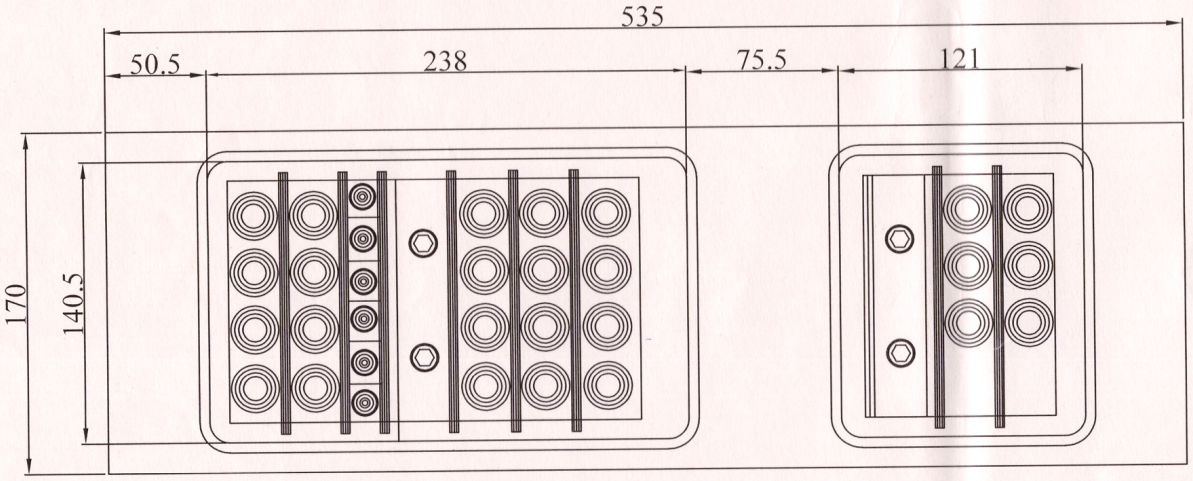
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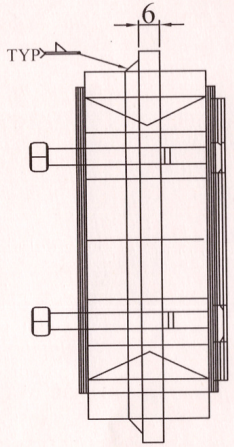
Draft Copy of Modified Dwg. for Set of Cable Transit system

Note : (i) Modification indicated in Red
(ii) All other details are remain same.

Chief
SSE/Dy.







NOTE:

1. ALL DIMENSIONS ARE IN MM.

ITEM	QTY	Description	Specification	Remarks
5	2	Wedge	STD.	
4	3	~~RM20w40~~ *	STD.	
3	8	Stayplate	STD.	
2	28	~~RM30~~ *	STD.	
1	1	FRAME ASSY.	PRIMED BLACK GRADE - FE 410	

* EPDM MODULE 20X40 ←

* EPDM MODULE 30X30 ←

DRAWN	
CHECKED SSE	
AEE/D-I	
APPROVED DY.CEE/D-I	
DATE	
SCALE	
REF.	

CHITTARANJAN LOCOMOTIVE WORKS

EPDM MODULE FOR CABLE TRANSIT THRU TRENCH FROM ENGINE ROOM TO DRIVER CAB 1 & 2(CAB DOOR BOTTOM), FOR 3 PHASE LOCOMOTIVES

DRG. No. CLW/ES/03/C-61/SK-4/6

SHEET A3

ALTERATION NO. D

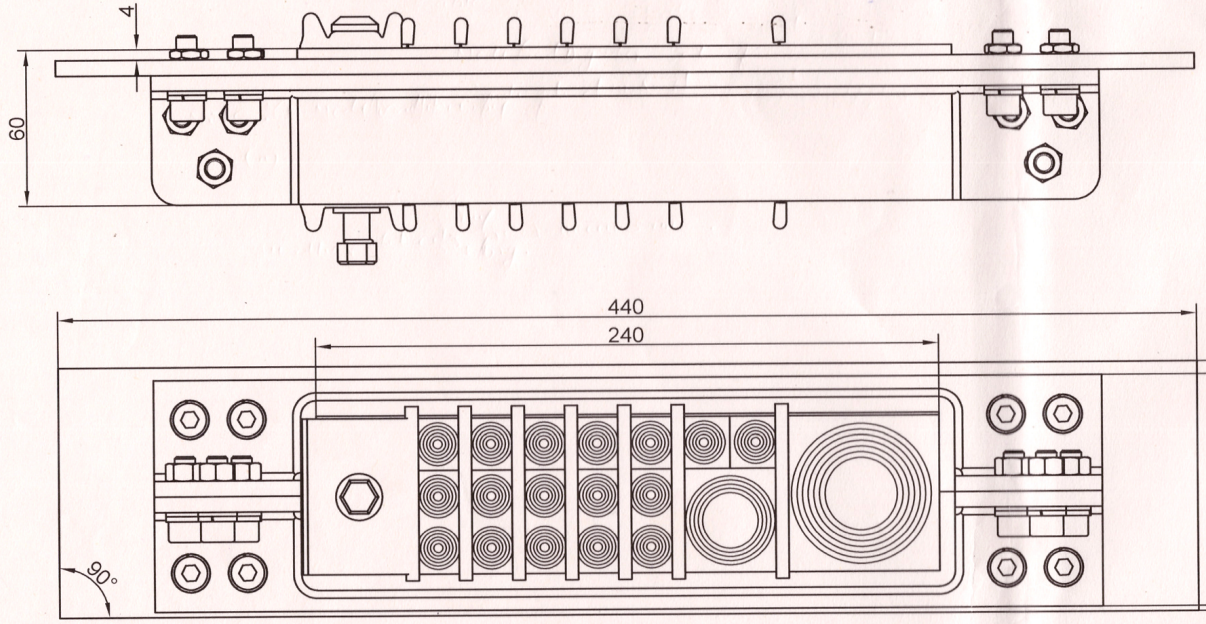
3RD ANGLE PROJECTION

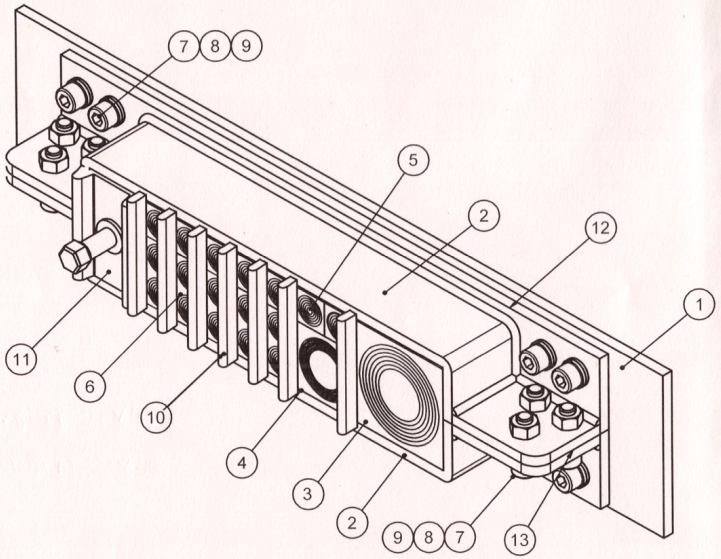
USED FOR LOCO

Draft copy of Modified Drg. for Set of Cable Transit System.

Note : (i) Modification indicated in Red.
(ii) All other details are remain same

Amp
SSE/Drg.





ITEM	QTY	Description	Specification	Remarks
13	2	Roxylon Gasket	STD	
12	1	EPDM Gasket	EPDM	
11	1	Wedge (60mm)	STD.	
10	7	Stayplate(60mm)	STD.	
9	14	M8 Hex Nut	SS304	
8	14	M8 Spring Washer	SS304	
7	14	M8X30 Allen Bolt	SS304	
6	5	~~EPDM MODULE RM20w40~~ *	STD. → * EPDM MODULE 20X40	
5	7	~~EPDM MODULE RM20~~ *	STD. → * EPDM MODULE 20X20	
4	1	~~EPDM MODULE RM40~~ *	STD. → * EPDM MODULE 40X40	
3	1	~~EPDM MODULE RM60~~ *	STD. → * EPDM MODULE 60X60	
2	2	S-Frame Part Assy.	STD Primed (Black) GRADE Fe410	
1	1	Bottom Plate	MILD STEELPrimed (Black)Grade Fe 410	

NOTE:

1. ALL DIMENSIONS ARE IN MM.

DRAWN	
CHECKED SSE	
AEE/D-I	
APPROVED DY.CEE/D-I	
DATE	
SCALE	
REF.	

CHITTARANJAN LOCOMOTIVE WORKS

EPDM MODULES FOR CABLES TRANSIT FROM ENGINE ROOM TO DRIVER CAB 1 & 2 (CAB DOOR TOP) FOR 3 PHASE LOCOMOTIVES

DRG. No. CLW/ES/03/C-61/SK-4/7

SHEET A3

ALTERATION NO. D

3RD ANGLE PROJECTION

USED FOR LOCO