भारत सरकार /GOVERNMENT OF INDIA
रेल मंत्रालय / MINISTRY OF RAILWAYS
रेलवे बोर्ड / RAILWAY BOARD

No. 2016/M(Safety)/7/6/4

Dated : 09.01.2017

The Chief Mechanical Engineer
All Zonal Railways

Sub: Safety Drive for examination of Auxiliary Reservoir of wagons.

Recently, there have been two cases of derailment first on 31.12.2016 in Bilaspur Division of South East Central Railway and second on 06.01.2017 in Secunderabad Division of South Central Railway where the prima facie cause of derailment has been breakage and falling of Auxiliary Reservoir of wagon on the track.

Board (MRS) has desired to launch a safety drive from 10.01.2017 for the next 45 days to check the condition of Auxiliary Reservoir in wagons. During this drive-

a. Auxiliary Reservoir supporting bracket (as shown in the drawing) with underframe to be checked.
b. All round welding of suspension strap with M 16 stud (as shown in the drawing) to be checked.
c. 50 mm overlap in between suspension strap and M 16 stud to be ensured.
d. Proper seating of M 16 nut on stud so that some portion of stud is visible over nut to be ensured. Tack welding of M 16 nut with stud at top to be ensured to avoid loosening of nut.

On completion of the safety drive, a report in the enclosed format may be sent to Railway Board latest by 28.02.2017.

DA: as above.

9/1/17

(Rajesh Kumar)
Dir. Mech. Engg. (Frt.)
Railway Board

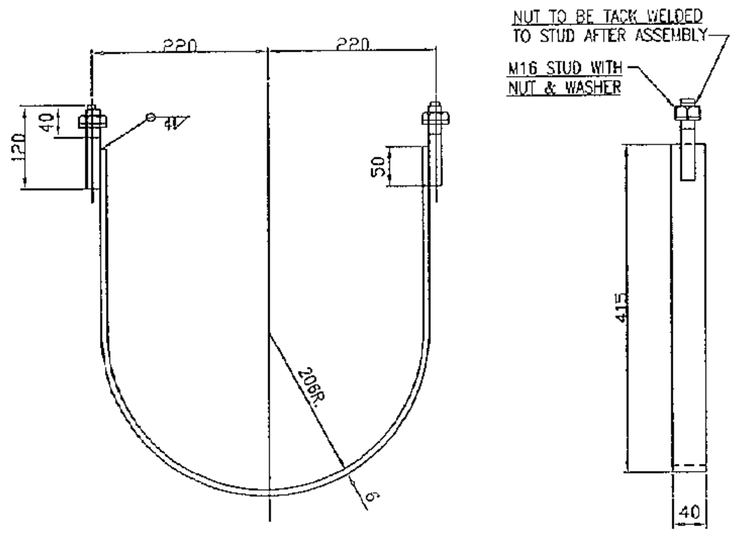
Copy to:
1. **PSO to MRS-** for kind information of MRS.
2. **PPS to AM/ME-** for kind information of AM/ME.
3. **EDS (Wagon)/RDSO-** for kind information please.

Annexure

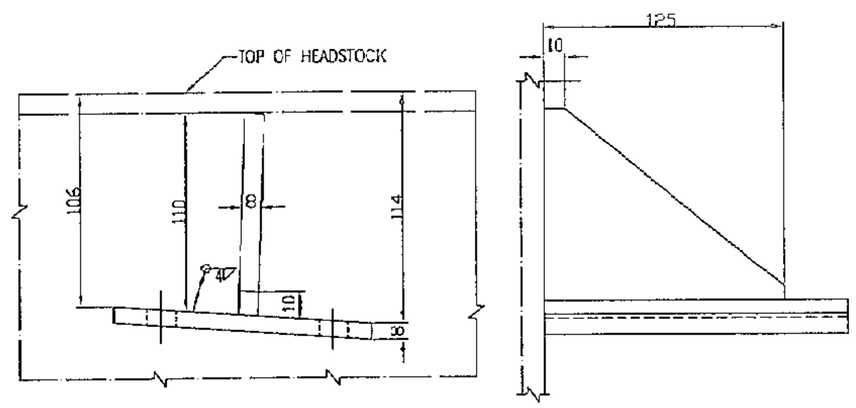
Sub: Safety Drive for examination of Auxiliary Reservoir of wagons

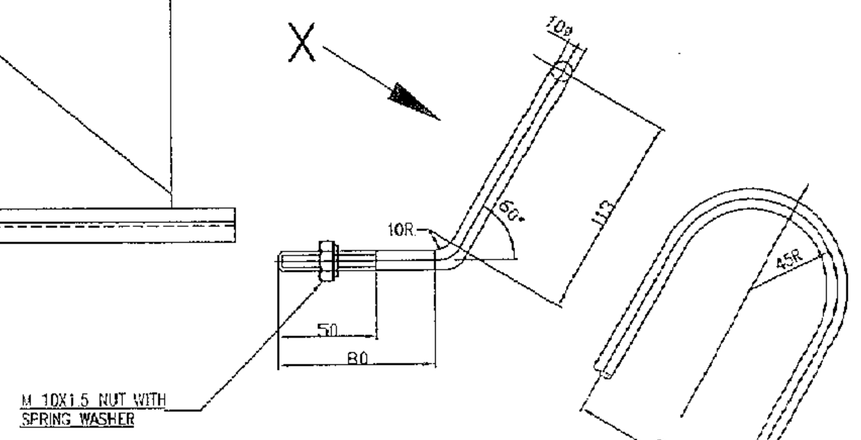
Zonal Railway:

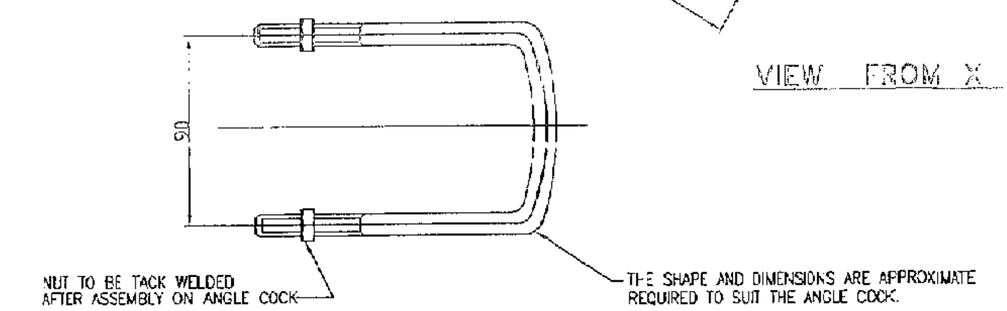
Name of Division	Name of Depot	No. of wagons checked	No. of defects noticed	Action taken	Remarks

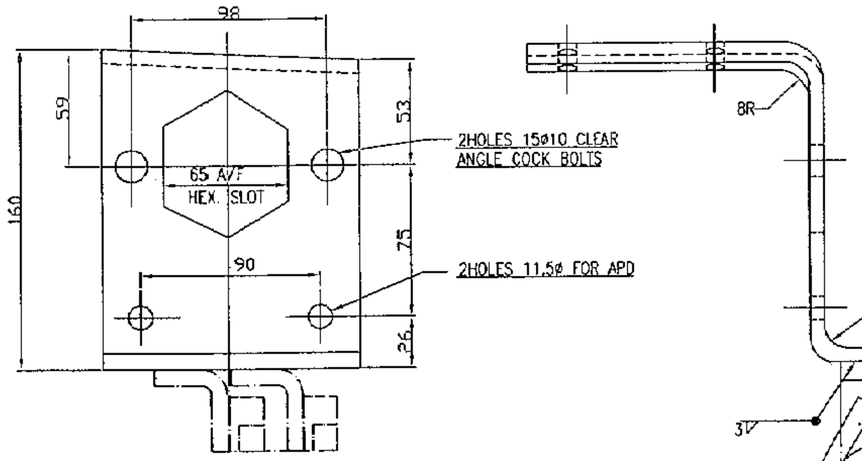


1

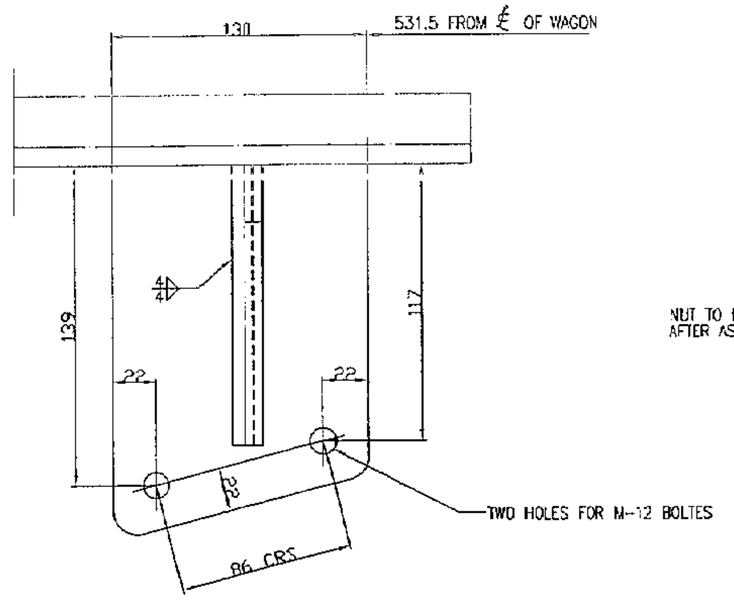






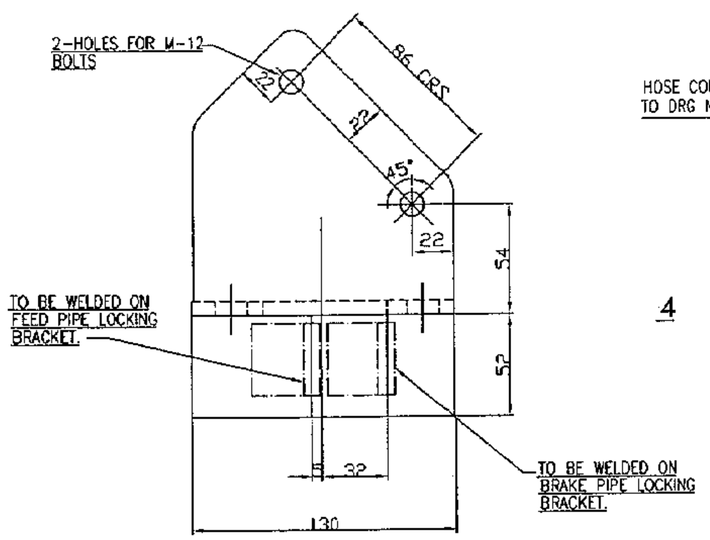


× LENGTH OF HOSE COUPLING SUPPORT FROM PIVOTING POINT TO TOP END SHALL BE REDUCED TO 65mm AND WELDED TO THE LOCKING BRACKET AS SHOWN.



2

3



4

NOTE:-

ITEMS SHOWN IN THIS DRAWING ARE APPLICABLE FOR TWIN PIPE SYSTEM FOR SINGLE PIPE SYSTEM ITEM NO 2 IS NOT REQUIRED AND QUANTITY OF ITEM NoS.3&4 SHALL BE 2 AND 2 RESPECTIVELY.

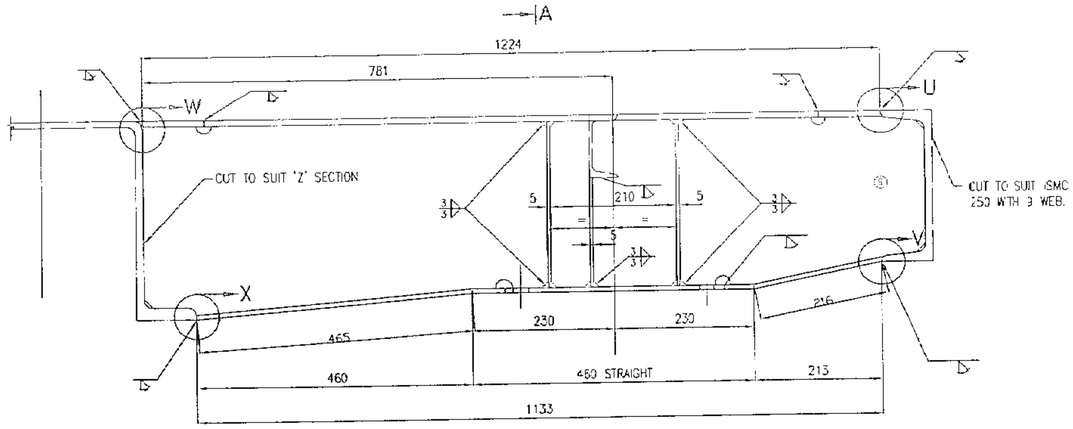
ITEM	DESCRIPTION	NO. OFF	REF.DRG.	WT.OF ONE(Kg)	MATL&SPEC	REMARKS
4	LOCKING BRACKET	4		1.80	IS:2062 fe 410 WA	
3	APD FOR ANGLE COCK	4		–	" "	
2	BRACKET SUPPORTING PLATE	2		1.22	" "	
1	AUXILIARY RESERVOIR SUSPENSION STRAP	2		1.79	IS:2062 fe 410 WA	

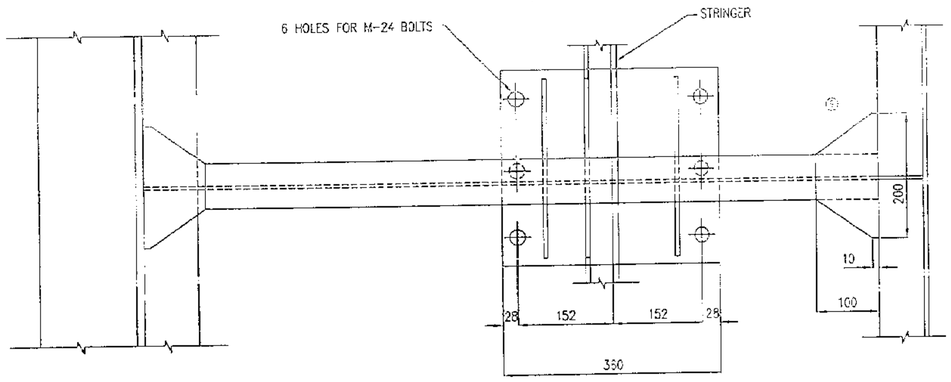
SUPERSEDED BY				
SUPERSEDES				DATE
SCALE	PASSED	sd.	9/86	BOGIE OPEN WAGON TYPE 'BOXN,BOXNHS'
1:2 1:5	CHECKED	sd.	9/86	FITMENT OF GRADUATED RELEASE AIR BRAKE
	DRAWN	sd.	9/86	EQUIPMENT AND TWIN PIPE LAYOUT DETAILS
	TRACED	S.MABBAS	6/93	
	J.S.NO.			

B.G.	R.D.S.O. [W]	GROUP	WD–80007–S–12A	

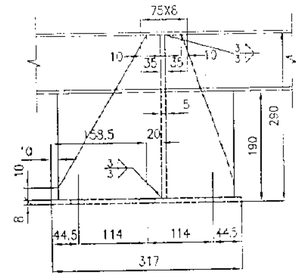
ALT	ITEM	AUTHY	DESCRIPTION	DATE	ASSLY. DRG.
(14)	3&4	WD–06016	REVISED	03/06	WD–80007–S–12
(13)	–	WD–05028	REVISED	03/05	
(12)	–	WD–95064	REVISED	12/95	

COMPARED	SIGNATURE	DATE
SETHI		

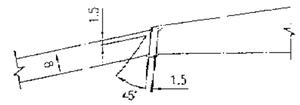




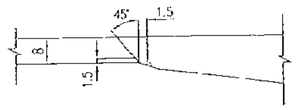
1



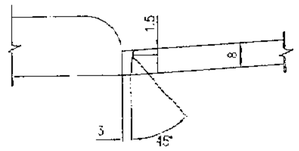
SECTION-AA



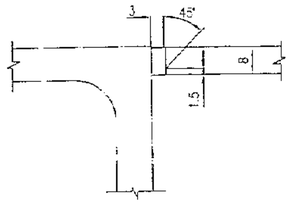
DETAIL AT-'V'



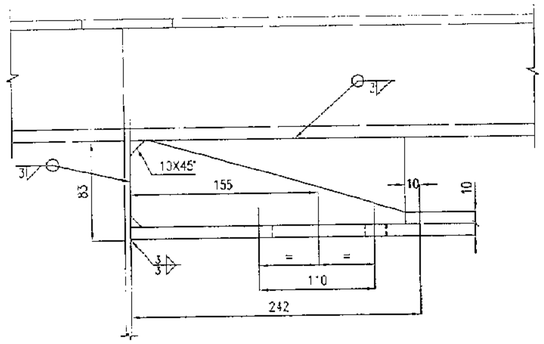
DETAIL AT-'U'

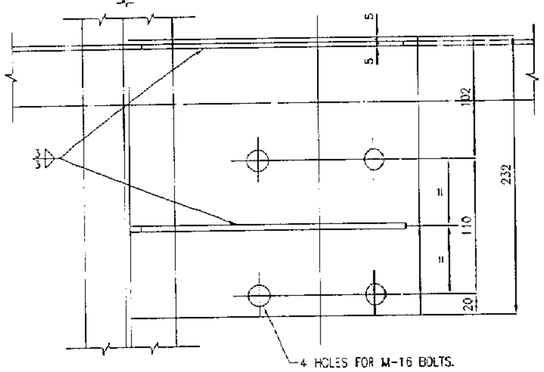


DETAIL AT-'X'

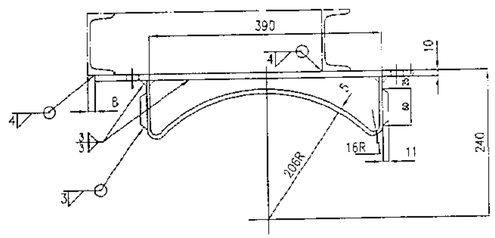


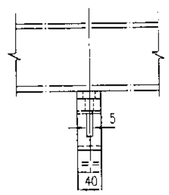
DETAIL AT-'W'

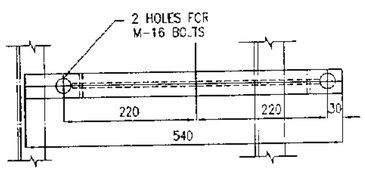




3







2

NOTE:
1. MATERIAL SPCN. FOR PLATE TO SIZE 5mm MAY BE TO IS:2062 Fe 410 WA INSTEAD OF IS:2062 Fe 410 Cu WA

5.	BRACKET FOR DISTRIBUTOR VALVE				IS: 2062 Fe 410 CU WA
2.	AUXILIARY RESERVOIR SUPPORTING BRACKET	2			" "
1.	CROSSBAR & BRACKET FOR BRAKE CYLINDER	1			IS: 2062 Fe 410 CU WA
ITEM	DESCRIPTION	NO OFF	REF DRG.	WT OF UNIT(Kg)	MATL & SPEC. REMARKS

SUPERSEDED BY
SUPERSEDES
DATE

ckDlu ckDlu,p,l tzdkj dk fkqjk cksxh oSxu
BOGIE OPEN WAGON TYPE 'BOXN BOXNHS'
vUMjQzse foojGk & Hkkx 3
UNDER FRAME DETAILS (SHEET-3)

SCALE	PASSED	N.P.GUPTA 6/83
1/2	CHECKED	M.S.PANCHI 3/83
1:2.5	DRAWN	SURESH 3/83
1:1	TRACED	S.PUR 7/93
	U.S.N.O.	

B.G.

WD-80007-S-16

③	-	WD-80007-S-04	ALL S.S.REVISED TO NEW RDSO-1 & ERG. REVISION TO A.L. 7	10/04	
②	-	WD-80007-S-04	CROSS BAR KNEE ADDED	01/05	
①	-	WD-80007-S-04	REVISED & REDRAWN	12/05	WD-80007-S-04
ALT	ITEM	NOTE	DESCRIPTION	DATE	ASSEMBLY DRG.

DATE		
SIGNATURE		
COMPANED	SETHI	