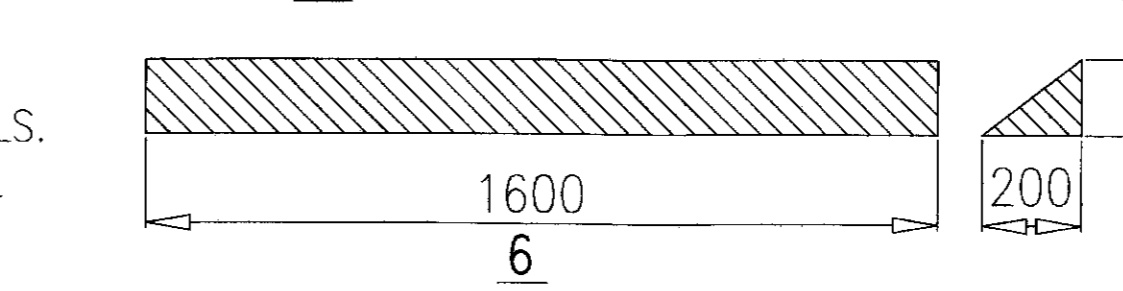
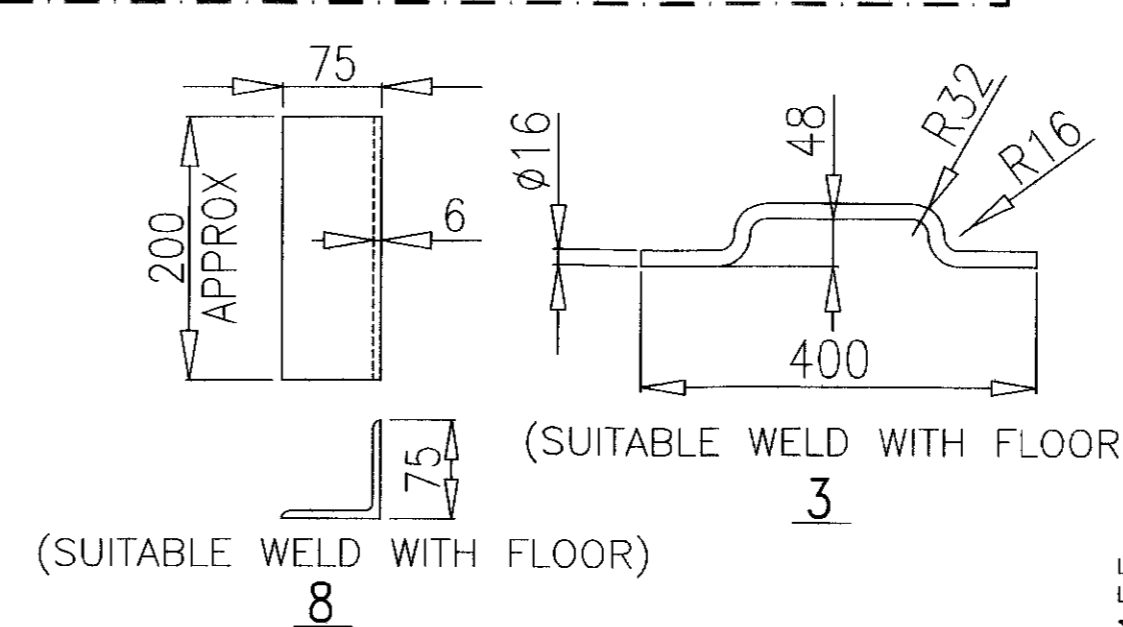
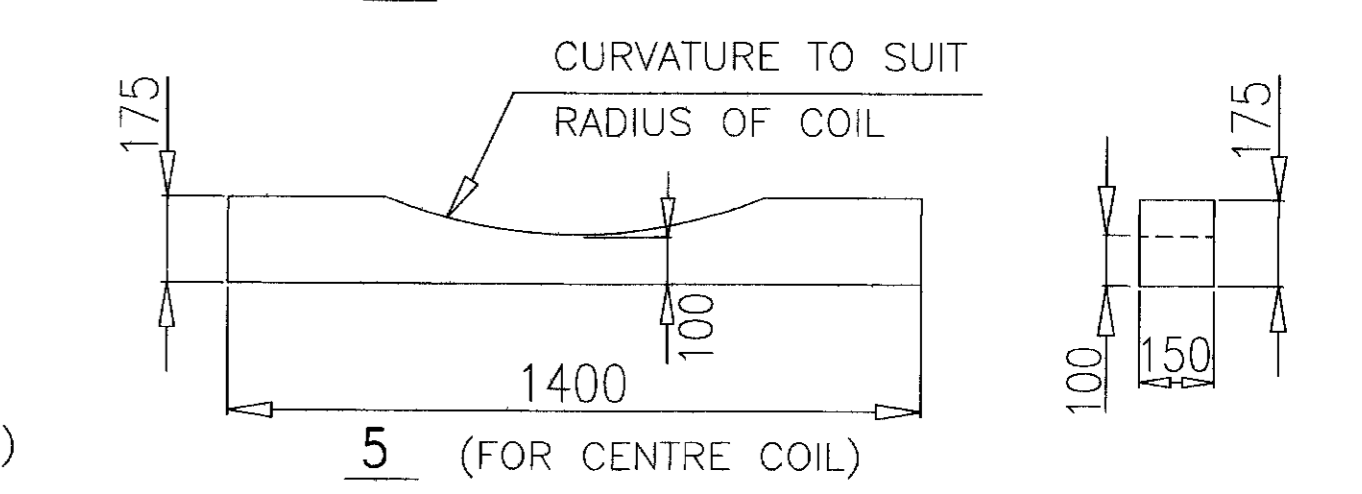
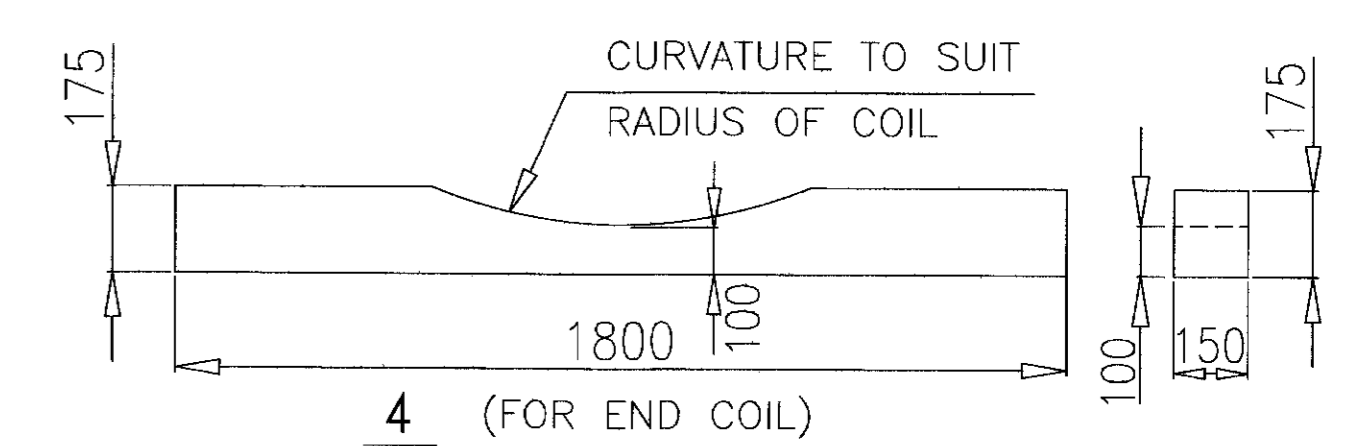


S.NO.	COIL WEIGHT AT CENTRE OF WAGON	COIL WEIGHT AT EACH BOGIE CENTRE
1.	UP TO 16 TON MAXIMUM	(TOTAL PAY LOAD-16 TON)/2

TABLE-A (LOADING SCHEME FOR 03 NO. STEEL COIL)

S.NO.	COIL WEIGHT AT CENTRE OF WAGON	COIL WEIGHT AT EACH BOGIE CENTRE
1.	NO COIL LOADED AT CENTRE	TOTAL PAY LOAD/2

TABLE-B (LOADING SCHEME FOR 02 NO. STEEL COIL)



NOTE:-

- ALL INDIVIDUAL COILS ARE TO BE UNITIZED BY USING HEAVY DUTY STRAPS AS INDICATED BY 'A' AS PER SECURING PATTERN SHOWN IN THIS DRAWING.
- THE COIL LOADING ALONG THE WAGON LENGTH, SHOULD BE SYMMETRICALLY ABOUT THE LONGITUDINAL CENTRE LINE AS WELL AS TRANSVERSE AXIS OF THE WAGON.
- TWO COIL LOADING COMPOSITION DEPENDING UPON THE COIL WEIGHT, CAN BE USED AS PER TABLE A AND B :-
 - IF THREE COIL LOADED AS PER TABLE-A, 01 NO. COIL AT BOTH SIDE ON EACH BOGIE/ BOLSTER CENTRE AND 01 COIL AT MIDDLE OF WAGON, THEN MAXIMUM COIL WEIGHT AT CENTER SHOULD NOT EXCEED 16 TON IN ANY CONDITION.
 - IF TWO COIL LOADED AS PER TABLE-B, 01 NO. COIL AT EACH BOGIE CENTRE AND NO COIL LOADING DONE ON AT MIDDLE OF WAGON.
- LOADING OF COILS SHOULD BE SUCH THAT :-
 - THE LOAD ON ANY BOGIE SHOULD NOT EXCEED WAGON'S PAY LOAD/2 .
 - THE COILS WEIGHT IMPOSED ON BOTH BOGIES SHOULD BE IDENTICAL.
 - MAXIMUM DIFFERENCE IN COILS WEIGHT LOADED ON BOTH BOGIE/ BOLSTER CENTRE OF WAGON, SHOULD NOT BE MORE THAN 2 (TWO) TON.
 - TOTAL WEIGHT OF LOADED COILS ON WAGON SHOULD NOT EXCEED THE CARRYING CAPACITY (PAY LOAD) OF THE WAGON.
- BEFORE LOADING, ENSURE THAT WOODEN CRADLES ARE PLACED AT CORRECT POSITION AS SHOWN IN DRAWING. PROPER QUALITY HARD WOOD OF ADEQUATE STRENGTH, WHICH SUSTAIN THE LOAD IMPARTED ON IT SHALL BE USED. IT IS THE RESPONSIBILITY OF LOADING PARTY. TRIANGULAR WOODEN WEDGE USED ACROSS THE WIDTH OF COILS.
- AFTER PLACING THE COIL ON WOODEN CRADLE, WOODEN WEDGE PLACED AND FIXED ON BOTH SIDE OF COIL ON WOODEN CRADLE. THEN USE TWO STRAPS ON EACH COIL FOR TIGHTENED WITH ISOLATION HOOK AS SHOWN IN DRAWING, FOR SAFE OPERATION. LASHING OF EACH COIL SHOULD BE STRICTLY DONE AS PER LASHING INSTRUCTION.
- AFTER TIGHTENING BY TWO STRAP, EACH COILS SHALL BE TIGHTENED ADEQUATELY BY 05 NOS. OF LASHING CHAIN/ MENTIONED STEEL STRAP WITH ISOLATION HOOK.
- THE TENSIONAL STEEL STRAP USED FOR LASHING AND SECURING SHALL MEET THE SPECIFICATION EN13247:2001. PHYSICAL PROPERTIES ARE MENTIONED BELOW;

S.N.	PARAMETERS	PHYSICAL PROPERTIES (Ref.-EN13247:2001)
1.	NOMINAL WIDTH	31.75
2.	NOMINAL THICKNESSES	1.45
3.	MINIMUM BRAKING STRENGTH	49KN (5 TON)

- ELONGATION OF STEEL STRAP SHALL BE GREATER THAN 7% MEASURED USING A GAUGE LENGTH OF 100MM, WHEN TESTED IN ACCORDANCE WITH EN10002-1.
- INITIAL TENSION IN STEEL STRAP SHALL BE IN RANGE OF 500kg TO 800 kg. ALL STEEL STRAPS SHOULD BE UNIFORMLY TIGHTENED AND MEASURED BY TENSOMETER.
- OVERLAPPING LENGTH/ HEIGHT OF ANGLE STOPPER SHALL NOT BE LESS THAN 100 MM OVER COIL.
- THE LOADING PARTY SHOULD WELD ISOLATION HOOK (ITEM NO.3) WITH WAGON FLOOR TO ACCOMODATE COIL DIA/ WIDTH AS SHOWN IN DRAWING.
- SECURING ARRANGEMENT SHALL BE CERTIFIED BY CONCERN RAILWAY AS PER CHECK SHEET NO. WD-CS-01-LOAD SECURING CHECK SHEET (LATEST).
- THIS RDSO DRAWING IS AN INDUCTIVE DRAWING AS THE SIZE AND SHAPE OF CONSIGNMENT VARIES. THE CONSIGNEE MAY TAKE ADDITIONAL MEASURE TO SECURE THE LOAD FOR SAFE OPERATION.
- THE LOADING/UNLOADING OF COILS TO BE CARRIED OUT IN SUCH A WAY THAT IT WILL NOT DAMAGE THE WAGON & LOOSE DURING TRANSPORTATION.

ITEM	DESCRIPTION	NO. OF PCS PER COIL	MTL&SPEC	REMARKS
8	STOPPER (ISA 75X75X6 TH., L= 200)	4	STEEL	SEE NOTE-11 ②
7	LASHING CHAIN OR HEAVY DUTY STRAP	7	STEEL	SEE NOTE-7, 8, 9 & 10
6	WOODEN WEDGE	2	WOOD	SEE NOTE-6
5	WOODEN CRADLE(SHORT)	3	WOOD	FOR CENTRE COIL, SEE NOTE-5
4	WOODEN CRADLE(LONG)	3	WOOD	FOR END COIL, SEE NOTE-5
3	ISOLATION HOOK	10	STEEL	SEE NOTE-6 & 7
2	STEEL COIL AT CENTRE (01 NO./ WAGON)	--	STEEL	MAXIMUM COIL WEIGHT=16T (AS PER TABLE-A)
1	STEEL COIL AT END (02 NO./ WAGON)	--	STEEL	(SEE TABLE-A & B)

ITEM	DESCRIPTION	NO. OF PCS PER COIL	MTL&SPEC	REMARKS
SUPERSEDED BY				
SCALE PASSED				
CHECKED				
DRAWN				
J.S.NO.				
LOADING DIAGRAM FOR STEEL COIL ON BOST AND BOXN WAGON VARIANTS				
B.G.		R.D.S.O. [W]		GROUP
WD-22038-S-03				

ALT.	ITEM	AUTHY.	DESCRIPTION	DATE	ASSLY.	DRGS
②	-	WD-23075	CROSSBAR, BOLSTER & STOPPER LOCATION SHOWN, NOTE REVISED.	08/23	-	-
①	-	WD-23005	TABLE-A REVISED WITH BOST & BOSTHSM1 MAXIMUM CARRYING CAPACITY CHANGED FROM 63.78 TO 66.10 T.	01/23	-	-