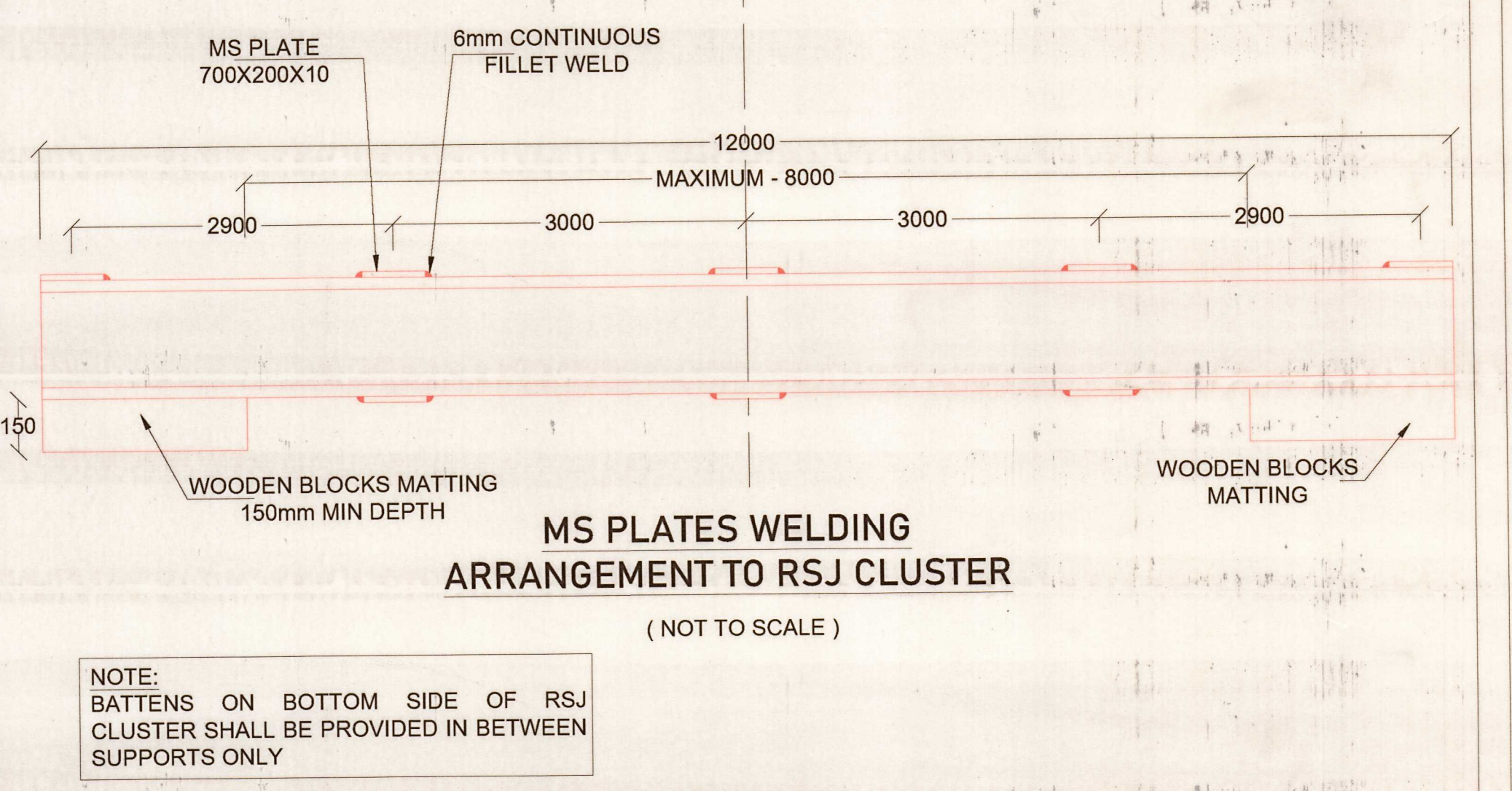
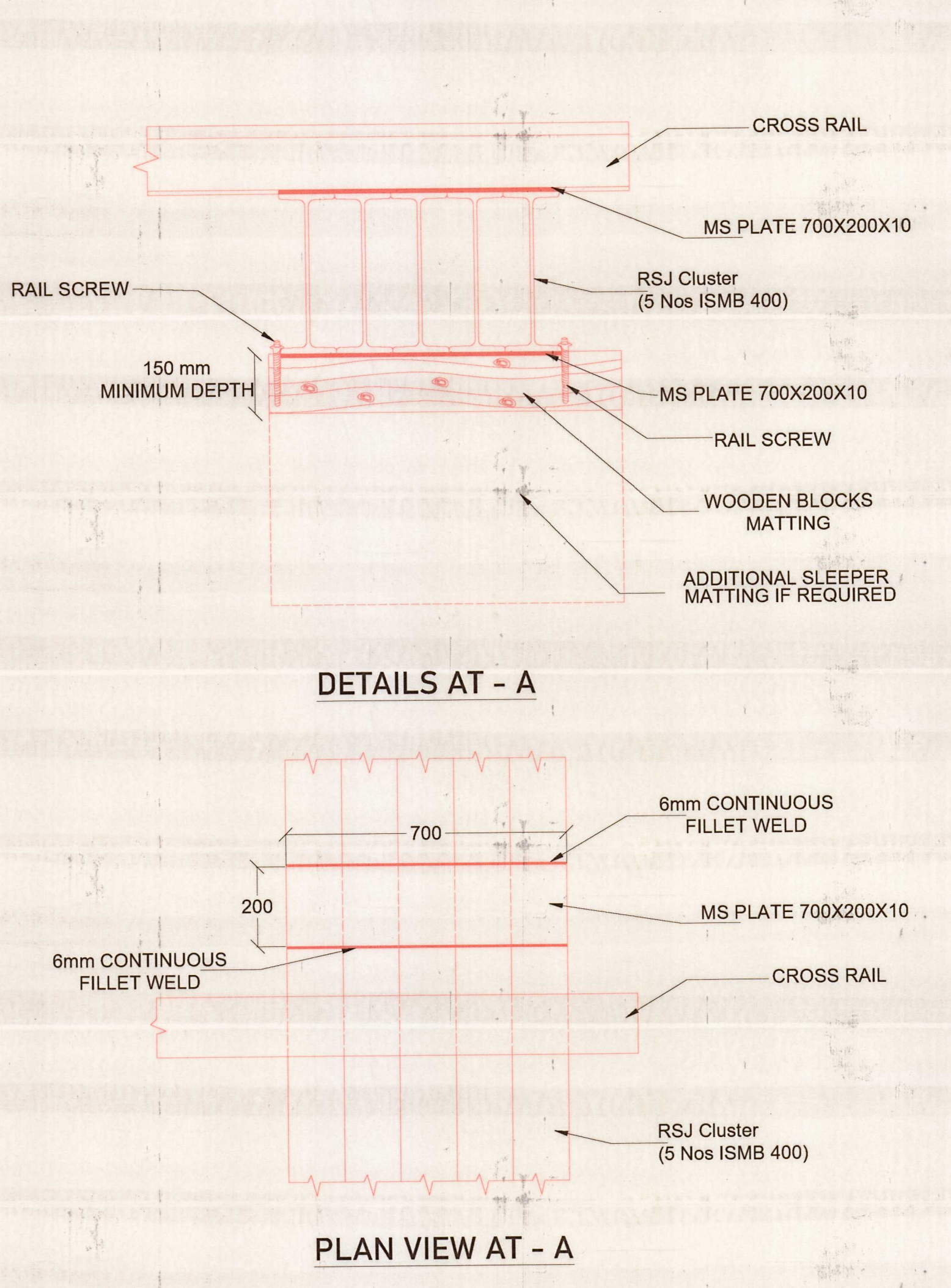
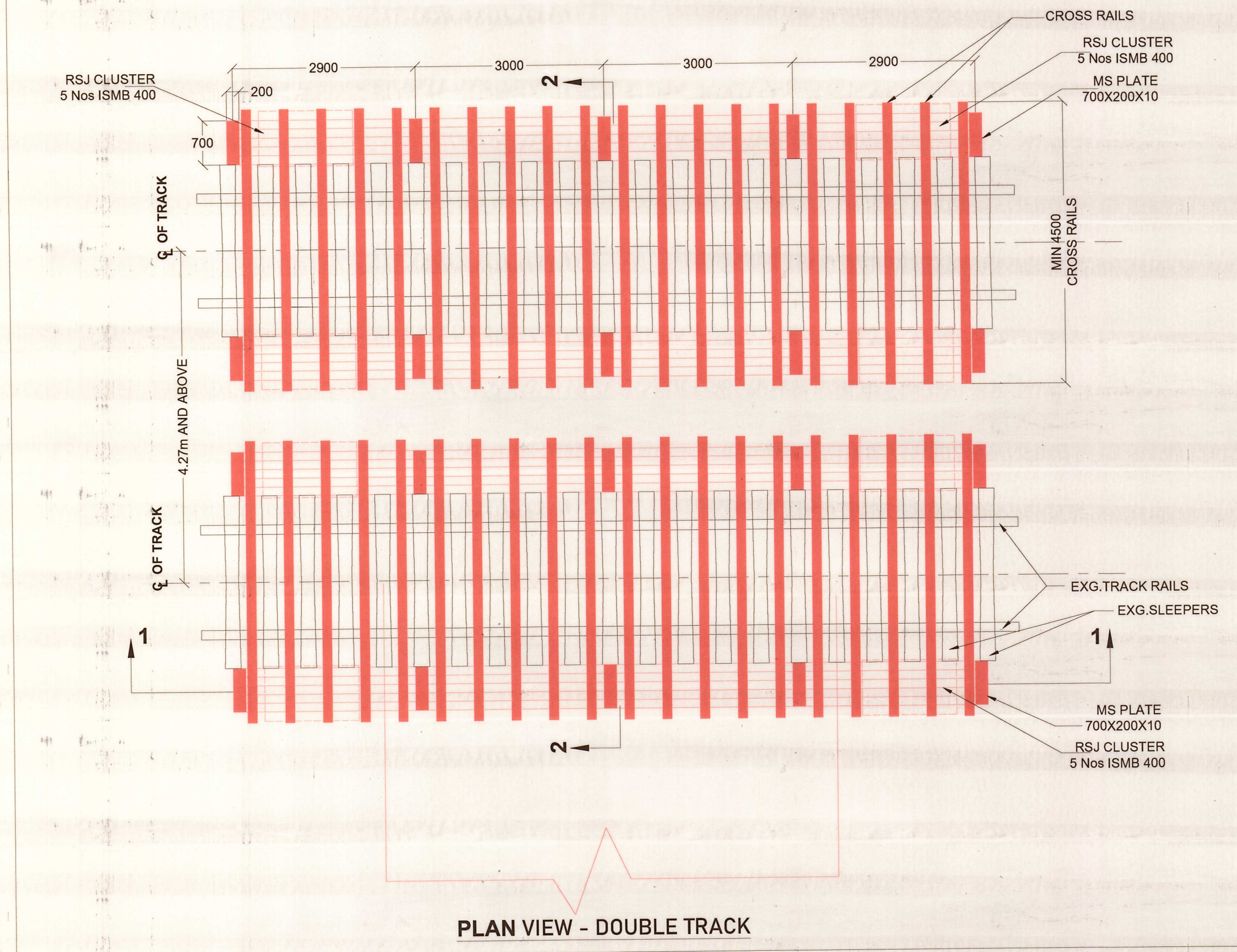

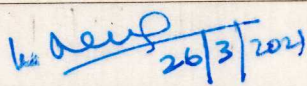
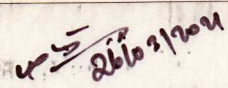
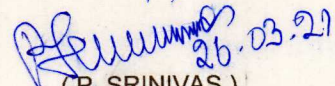
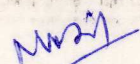
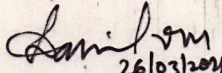


- NOTES:**
1. PROPOSED works are shown in **RED** EXISTING works are shown in **BLACK**.
  2. All **DIMENSIONS** are in mm unless otherwise specified. Drawing shall not be scaled. Only written Dimensions shall be followed.
  3. The arrangement is **SUITABLE** for **PUSHING SINGLE BOX OF VENT SIZE UP TO 6m**.
  4. For **Cross Rails**, **60KG 90 UTS USFD TESTED CLASS - II** Rails in good condition shall **ONLY BE USED**. Cross Rails used should **NOT HAVE FISH PLATED JOINTS** and should be **CORROSION FREE**.
  5. **RSJ (ISMB 400)** shall be of **12m LENGTH** and **CROSS RAILS** shall be **4.5m and above**.
  6. The **RSJ CLUSTERS** shall be **PRE-ASSEMBLED** and **LAUNCHED** into position with a Road crane under block protection. **RSJ CLUSTERS** shall be **POSITIONED ADJACENT** to the **SLEEPER ENDS**.
  7. **BATTENS** shall be **CONTINUOUS WELDED** to **RSJ CLUSTER**.
  8. In **TRACK CIRCUITED** areas, suitable **INSULATED ELASTOMERIC PAD** shall be used **BETWEEN RUNNING RAILS** and **CROSS RAILS** to **PREVENT FAILURE** of **TRACK CIRCUIT**.
  9. The Distance '**B/2+d**' from center of Box to edge of wooden block support shown in the sketch shall be kept minimum and **SHOULD NOT EXCEED 4m**. In case earth cushion over the BOX is more and the distance '**B/2+d**' from center of BOX to wooden block supports is more than 4m, Additional Wooden sleeper matting under the wooden blocks shall be provided to reduce 'd'. Crib along with matting can also be used to support Rail Clusters for higher cushion depths above BOX.
  10. The Cluster **ARRANGEMENT IS SUITABLE** for **TRACK SPACING** of **4.27m and above**. In case of pushing under more than 2 tracks, the **RSJ CLUSTER** arrangement shown in Drawing shall be repeated for each of the tracks.
  11. After passage of each train, **THE CONTACT** of **RUNNING RAILS** with **CROSS RAILS** shall be **CHECKED** and the same to be ensured by proper packing under Wooden blocks/Matting.
  12. **CRIB BALLAST** in the **RSJ CLUSTER** portion of the track shall be **removed up to 50mm below RSJ (ISMB 400) Cluster** to prevent lateral movement of cluster during pushing of BOX.
  13. Adequate stock of Sand bags, Steel sheets, Wooden blocks, Crib, Bullies etc., shall be kept at the BOX pushing site for dealing with any emergencies.
  14. Once the BOX crosses both Rails underneath a particular track, additional temporary supports to the clusters of this track can be provided with wooden blocks/Cribs over the BOX. These however, need to be removed during each pushing operation and re-fixed again.
  15. **TRACK SLEEPER SPACING** may be **ADJUSTED** suitably wherever required.



		<b>SOUTH CENTRAL RAILWAY</b>	
S.C. Railway DRG.No.		GM(W)SC/BR/TR/STD/4394/2021	
<b>GENERAL ARRANGEMENT DRAWING OF RSJ CLUSTER ARRANGEMENT TO ENSURE SAFETY OF TRACK DURING BOX PUSHING</b>			
CBE	 (K. RAMAKRISHNA)		
DY.CE/BR.D/HQ	 (C. NAGARAJU)		
AXEN/BR.D/HQ	 (P. SRINIVAS)		
SSE/DESIGNS/BR.D/HQ	 (MITHUN KUMAR SINGH)		
SSE/DRG/BR.D/HQ	 (V.M. DANIEL TENET)		