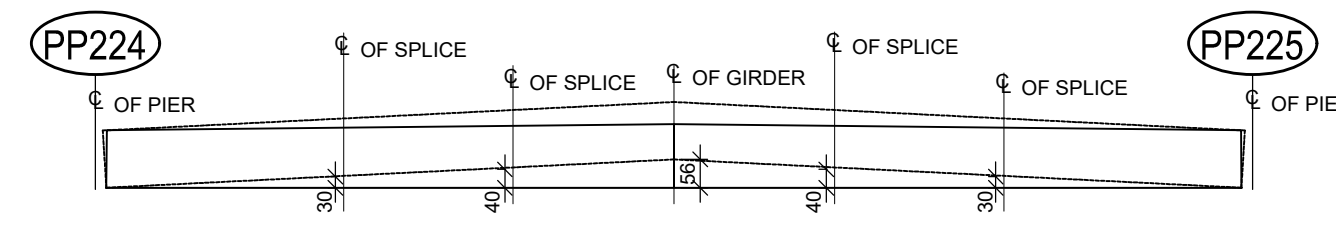
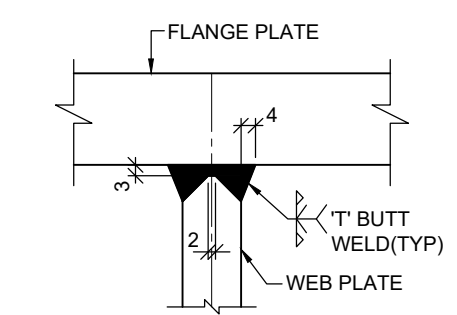
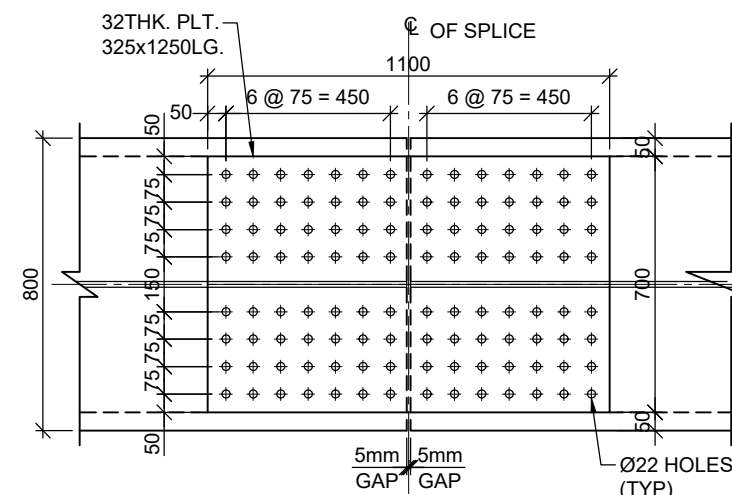
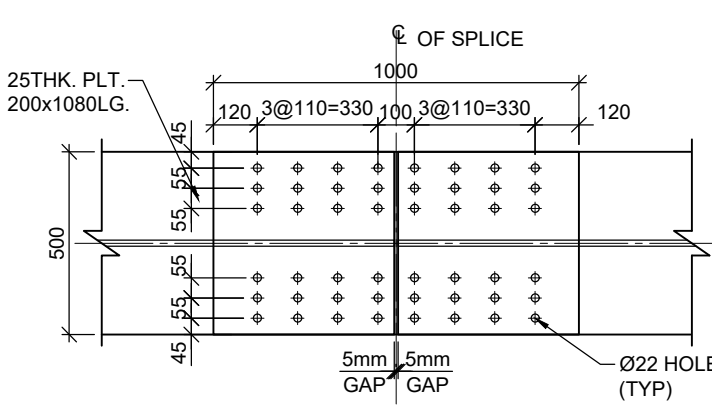
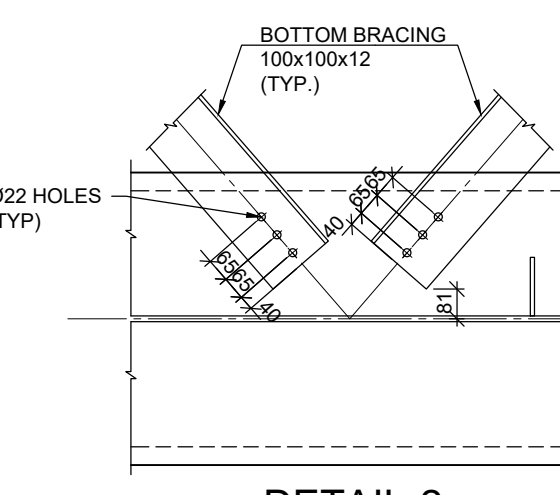
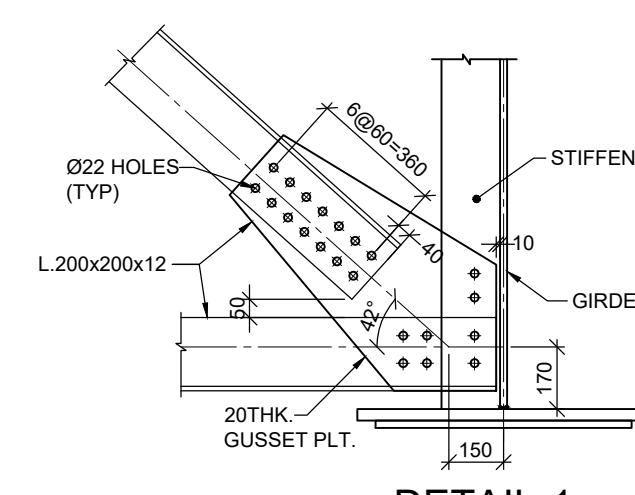
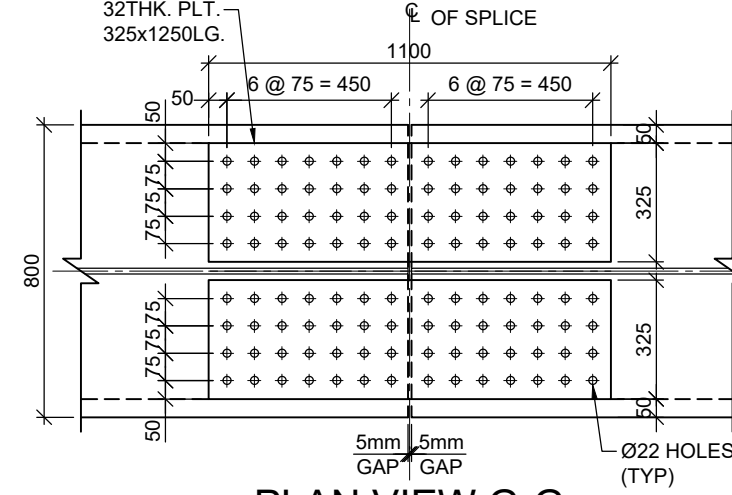
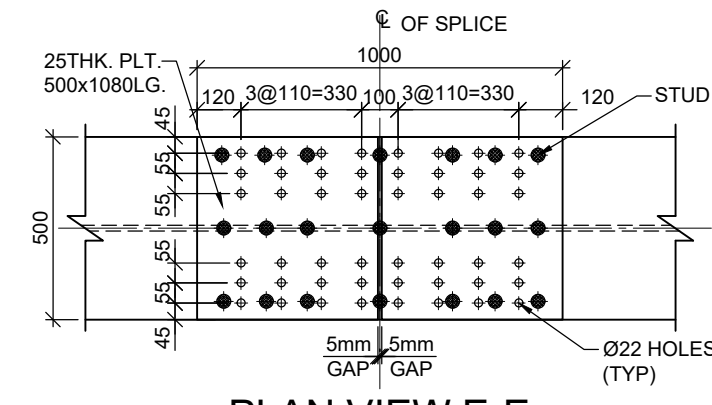
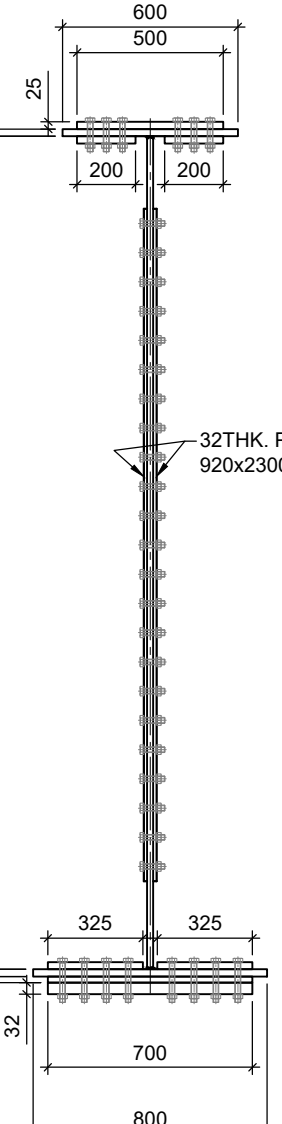
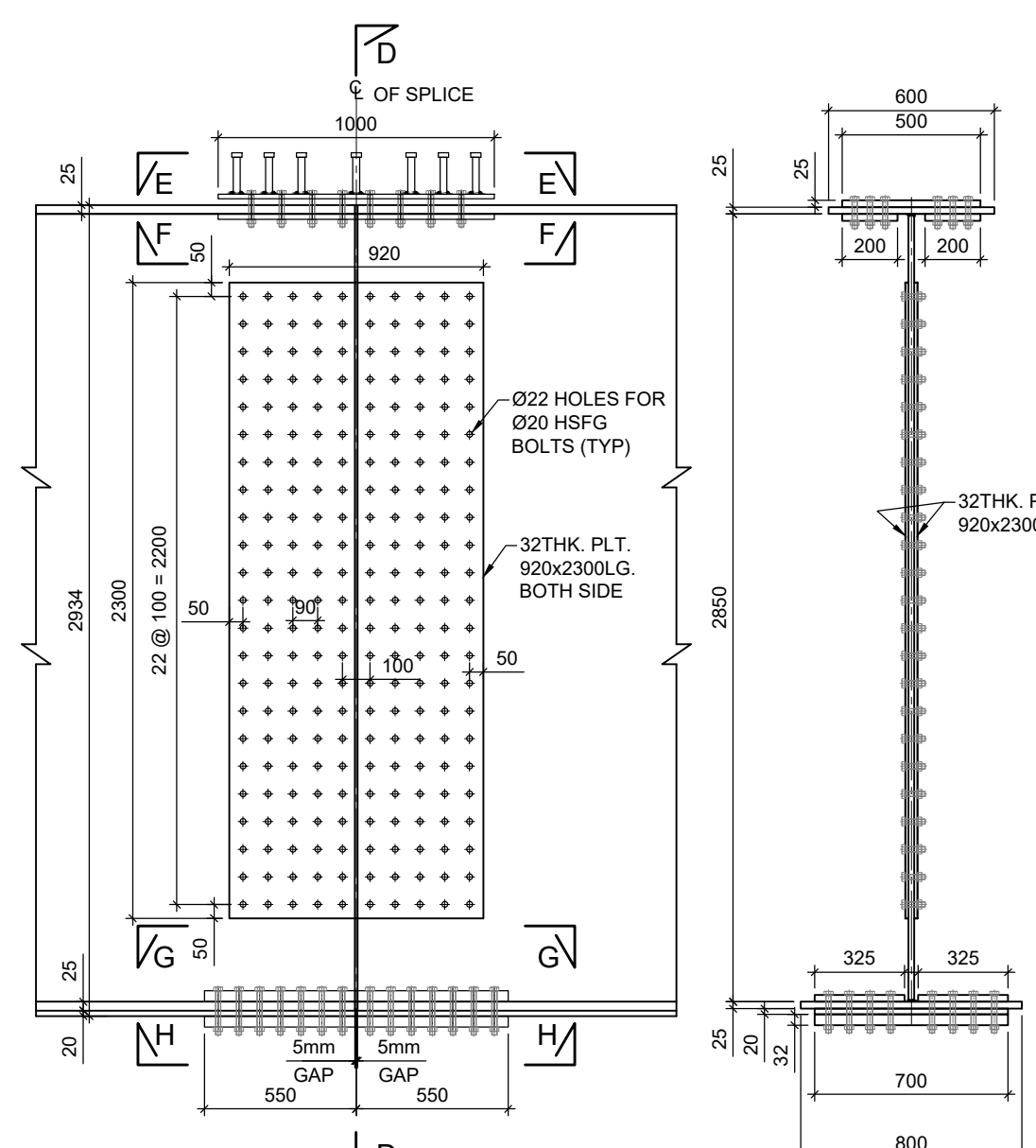


NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. DESIGN CRITERIA
 - i) I.R.S. BRIDGE RULES-----2014
 - ii) STEEL BRIDGE CODE----- 2017
 - iii) WELDED BRIDGE CODE----- 2001
 - iv) CONCRETE BRIDGE CODE----- 2014
3. LOADING IS CONSIDERED AS 17 T /AS PER K-RIDE DBR.
4. ALL PLATES, ANGLES ARE OF HTS STEEL E350 (B0) QUALITY CONFIRMING TO IS 2062-2011.
5. GRADE OF CONCRETE FOR DECK SLAB SHALL BE M40.
6. ALL BOLTS ARE 200 GRADE 8.8, HRFNC NUTS & BOLTS UNLESS OTHERWISE SPECIFIED.
7. AUTOMATIC SUBMERGED ARC WELDING SHALL BE USED FOR BUTT WELDS IN FLANGES WEB AND ANGLE TO WELB FILLET WELDS. OTHER WELDS ALSO TO BE MADE BY SUBMERGED ARC WELDING PROCESS TO THE MAX. EXTENT POSSIBLE. THE SPECIFICATION OF WELDING MATERIAL (ELECTRODES) SHALL BE COMPATIBLE WITH PARENT MATERIAL.
8. BUTT WELDING IN FLANGE PLATES AS WELL AS WEB PLATES SHALL BE DONE PRIOR TO JOINING WEB AND FLANGE.
9. ALL WELDS TO BE MADE AS PER WELDED BRIDGE CODE AND WELDING PROCEDURES AND BY QUALIFIED WELDERS.
10. STUD SHEAR CONNECTORS SHOULD BE WELDED TO TOP OF FLANGE AFTER TO JOINING OF FLANGES TO WEB. STUD SHEAR CONNECTORS SHALL HAVE TENSILE STRENGTH OF 495 MPa & YIELD STRENGTH OF 385 MPa.
11. TRACK ON BRIDGE SHOULD BE PROVIDED WITH GUARD RAIL.
12. THE BUTT WELD SURFACES SHALL BE FULLY FLUSHED BOTH AT TOP & BOTTOM BY GRINDING/MACHINING THE BUTT WELD ALSO BE CHECKED BY RADIOGRAPHIC/ULTRASONIC METHOD.
13. INTERMEDIATE STIFFENERS SHOULD BE FITTED TIGHT AGAINST BOTTOM FLANGE WHERE X-FRAMES ARE PROVIDED AND END STIFFENERS SHALL BE CLAMP AND BOTTOM FLANGE.
14. SURFACE OF MEMBERS IN CONNECTION REGION, SPICE PLATES, GUSSET PLATES, PACKING PLATES SHALL BE BLAST CLEANED AND SPRAY METALLIZED WITH ALUMINUM (THICKNESS > 100µm) WIDTH NO COVER COATING.

[illegible]