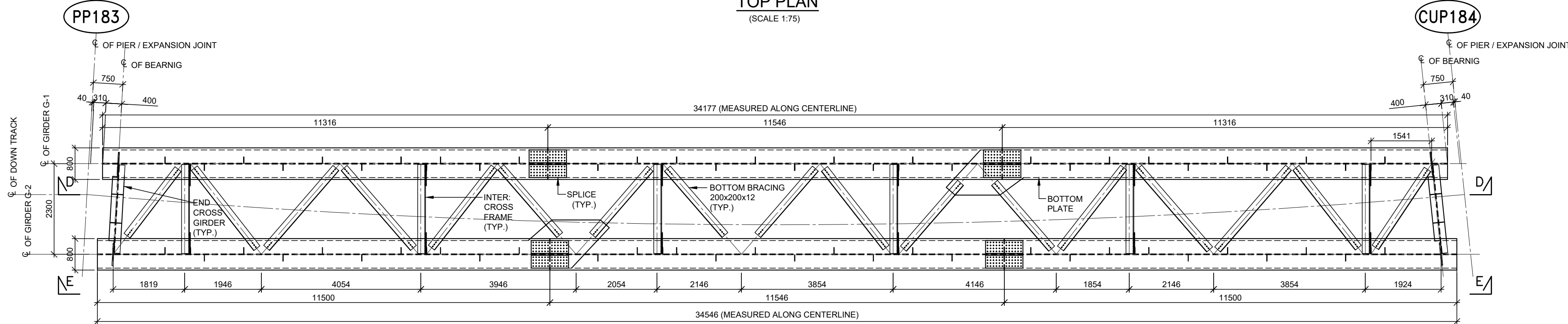
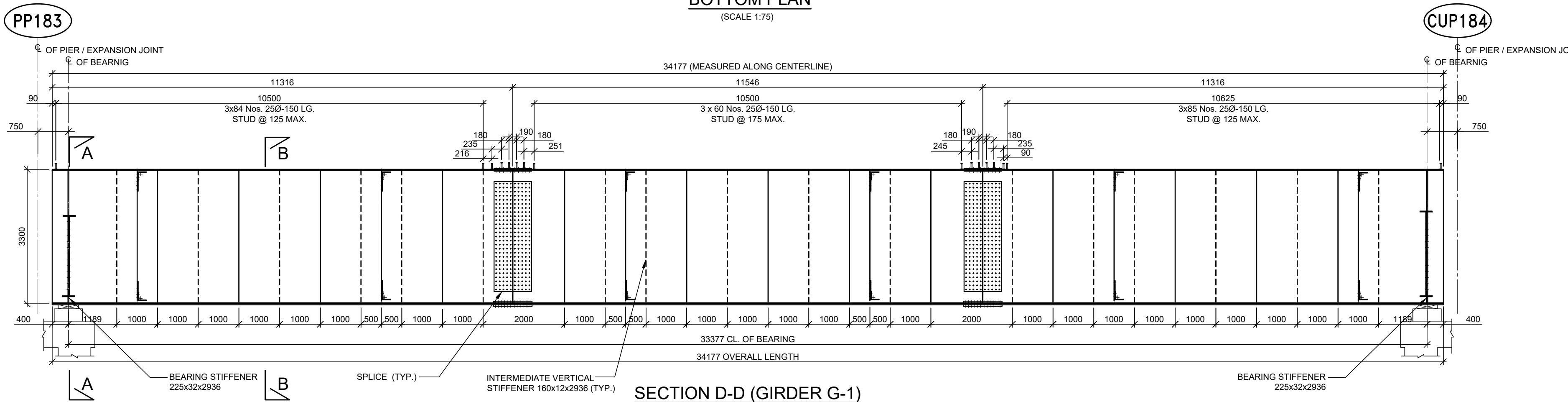


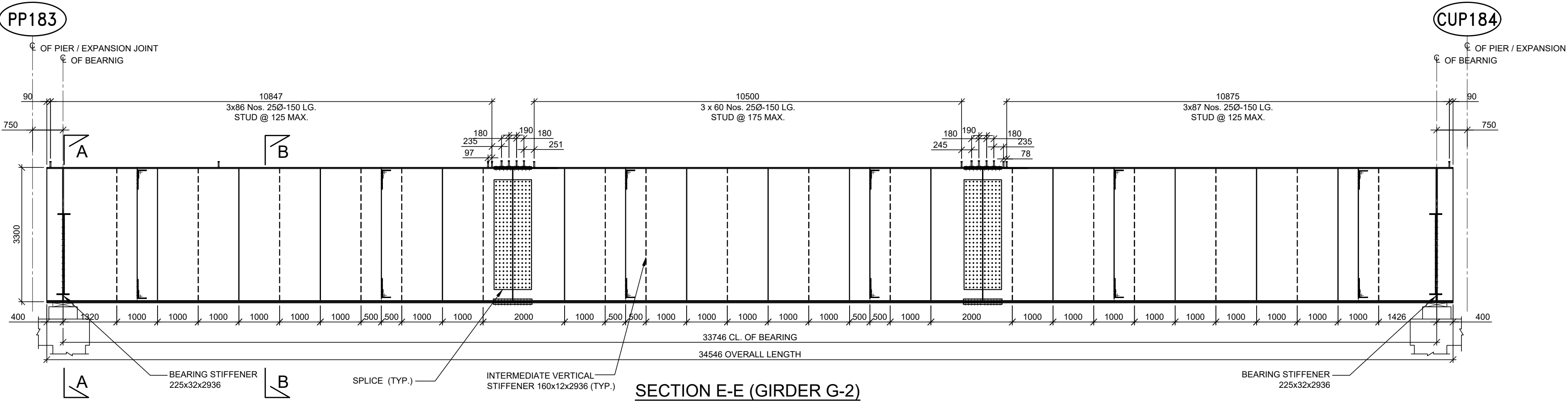
TOP PLAN
(SCALE 1:75)



BOTTOM PLAN
(SCALE 1:75)



SECTION D-D (GIRDER G-1)
(SCALE 1:75)



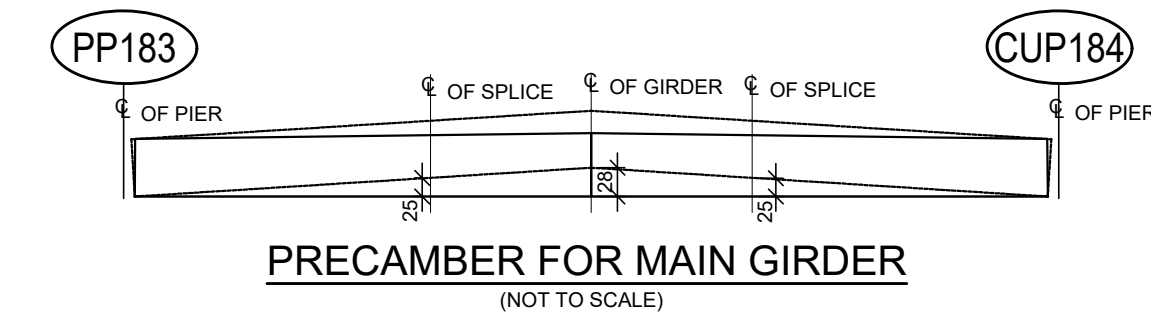
SECTION E-E (GIRDER G-2)
(SCALE 1:75)

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETERS.
- DESIGN CRITERIA
 - I.R.S. BRIDGE RULES----- 2014
 - STEEL BRIDGE CODE----- 2017
 - WELDED BRIDGE CODE----- 2001
 - CONCRETE BRIDGE CODE----- 2014
- LOADING IS CONSIDERED AS 17 T AS PER K-RIDE DBR.
- ALL PLATES, ANGLES ARE OF HTS STEEL E350 (B0) QUALITY CONFORMING TO IS-2062-2011.
- GRADE OF CONCRETE FOR DECK SLAB SHALL BE M40.
- ALL BOLTS ARE 200 GRADE 8.8, HSFC NUTS & BOLTS UNLESS OTHERWISE SPECIFIED.
- AUTOMATIC SUBMERGED ARC WELDING SHOULD BE EMPLOYED FOR BUTT WELDS IN FLANGES WEB AND ANGLE TO WEB 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.
- BUTT WELDING IN FLANGE PLATES AS WELL AS WEB PLATES SHALL BE DONE PRIOR TO JOINING WEB AND FLANGE.
- ALL WELDS TO BE MADE BY USING APPROVED WELDING PROCEDURES AND BY QUALIFIED WELDERS.
- STUD SHEAR CONNECTORS SHOULD BE WELDED TO TOP OF FLANGE AFTER TO WELDING OF FLANGES TO WEB. STUD SHEAR CONNECTORS SHALL HAVE TENSILE STRENGTH OF 485 MPa & YIELD STRENGTH OF 385 MPa.
- TRACK ON BRIDGE SHOULD BE PROVIDED WITH GUARD RAIL.
- 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.
- INTERMEDIATE STIFFENERS SHOULD BE FITTED TIGHT AGAINST BOTTOM FLANGE WHERE X-FRAMES ARE PROVIDED AND END STIFFENERS SHOULD BE WELDED TO TOP AND BOTTOM FLANGE.
- SURFACE OF MEMBERS IN CONNECTION REGION, SPLICE PLATES, GUSSET PLATES, PACKING PLATES SHALL BE BLAST CLEANED AND SPRAY METALLIZED WITH ALUMINIUM (THICKNESS > 100µm) WIDTH NO COVER COATING.

CONSTRUCTION SEQUENCE:-

- GIRDER TO BE ASSEMBLED AT SITE WITH CROSS BRACINGS.
- BOTH GIRDERS TO BE LIFTED AND PLACED ON BEARINGS.
- SLAB TO BE CAST IN SITU - GIRDER CARRIES WEIGHT OF GREEN CONCRETE.
- CASTING OF SIDL.



PRECAMBER FOR MAIN GIRDER
(NOT TO SCALE)

NOTES :

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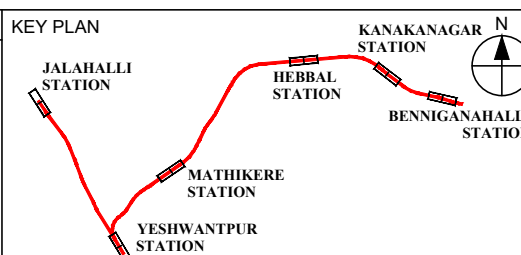
REFERENCE DRAWINGS

REFERENCE DRAWINGS	REFERENCE DRAWINGS	REFERENCE DRAWINGS

REFERENCE DOCUMENTS

REFERENCE DOCUMENTS	REFERENCE DOCUMENTS	REFERENCE DOCUMENTS

KEY PLAN



STATION BOX KEY PLAN

STATION BOX KEY PLAN	STATION BOX KEY PLAN	STATION BOX KEY PLAN

EMPLOYER :

EMPLOYER :	EMPLOYER :	EMPLOYER :

REVISIONS

REVISIONS	REVISIONS	REVISIONS

CONTRACTOR :

CONTRACTOR :	CONTRACTOR :	CONTRACTOR :

QUALITY ASSURANCE

QUALITY ASSURANCE	QUALITY ASSURANCE	QUALITY ASSURANCE

CHECKED

CHECKED	CHECKED	CHECKED

REVIEWED

REVIEWED	REVIEWED	REVIEWED

PROJECT DIRECTOR

PROJECT DIRECTOR	PROJECT DIRECTOR	PROJECT DIRECTOR

GENERAL CONSULTANTS

GENERAL CONSULTANTS	GENERAL CONSULTANTS	GENERAL CONSULTANTS

EMPLOYER :

EMPLOYER :	EMPLOYER :	EMPLOYER :

PROJECT :

PROJECT :	PROJECT :	PROJECT :

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SCALE :

SCALE :	SCALE :	SCALE :

DATE :

DATE :	DATE :	DATE :

REVISION

REVISION	REVISION	REVISION

DWG STATUS

DWG STATUS	DWG STATUS	DWG STATUS

SHEET SIZE - A1

DATE :

DATE :	DATE :	DATE :

