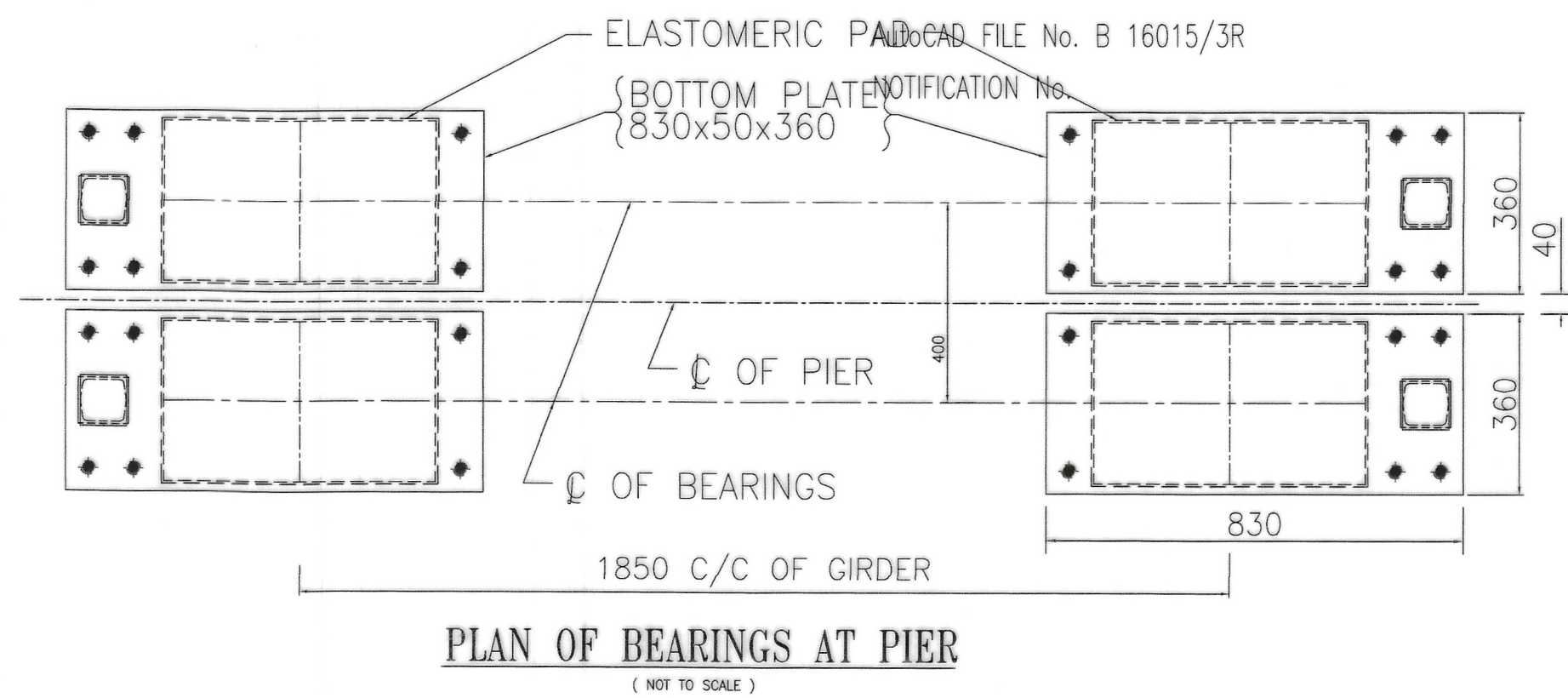
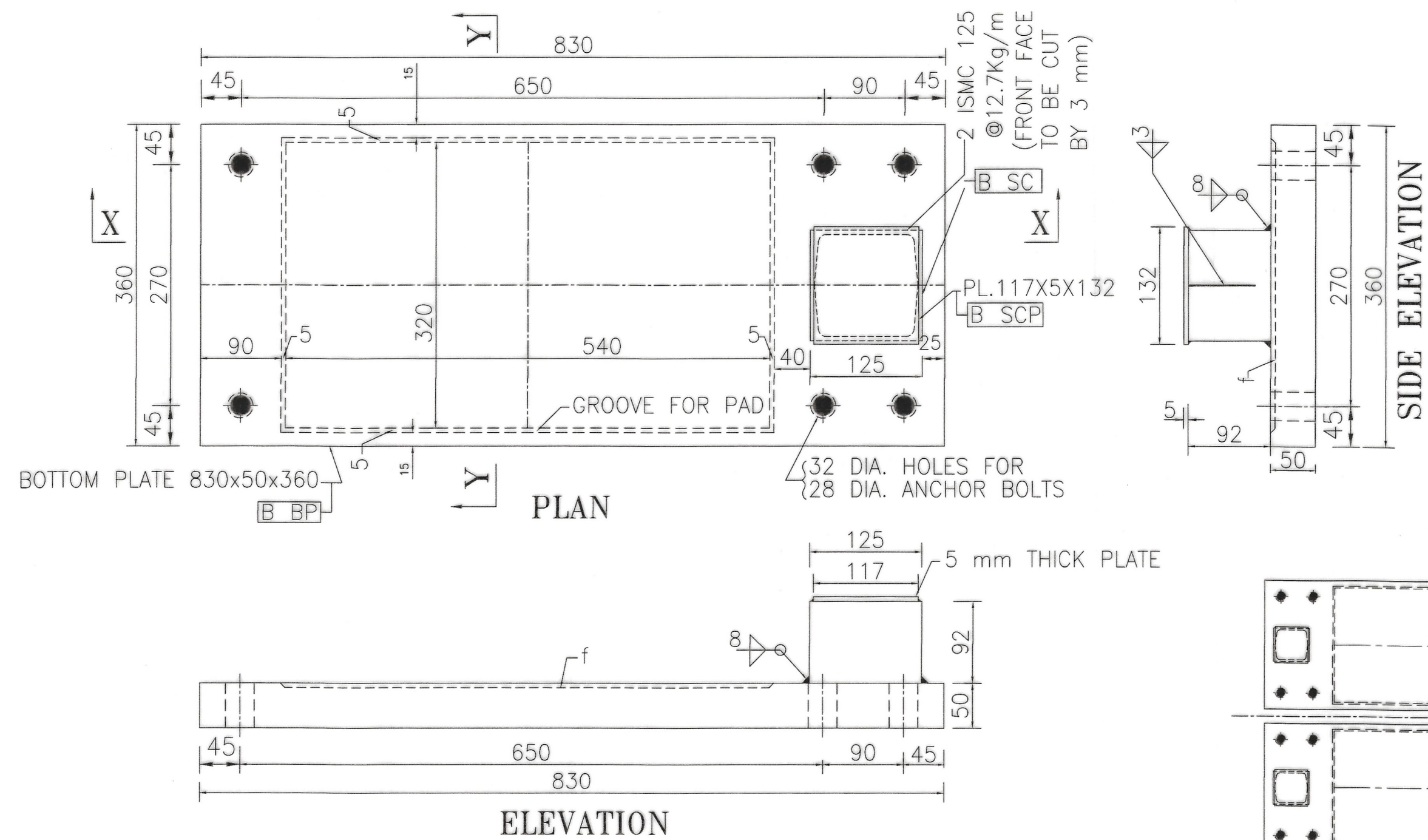
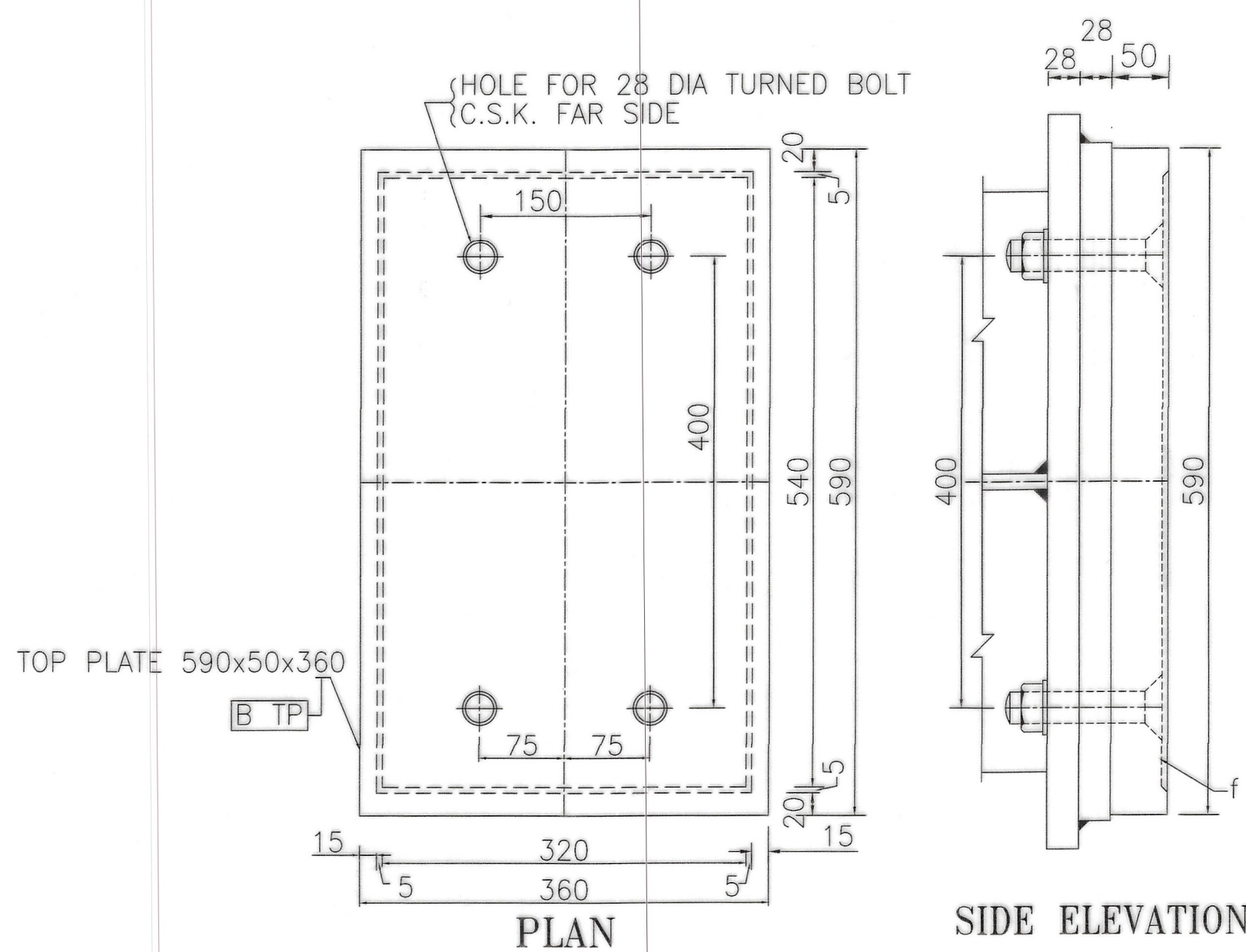
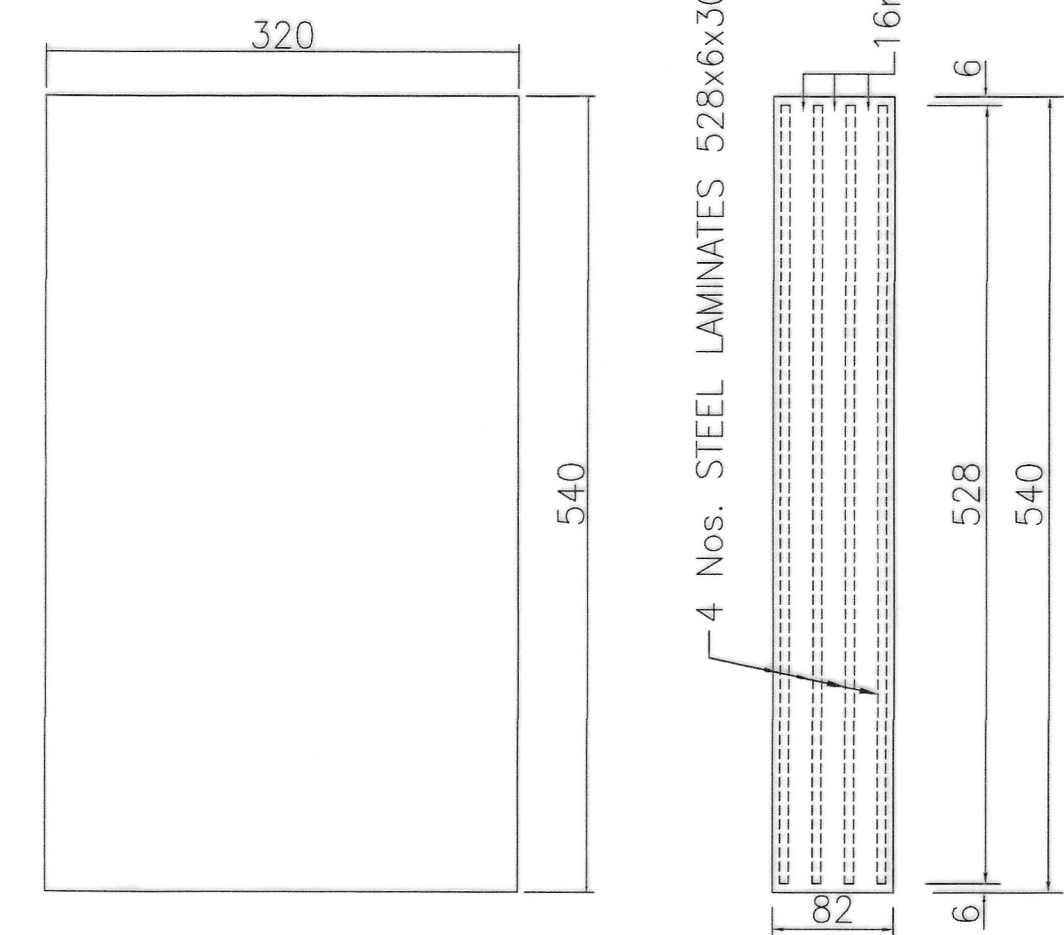
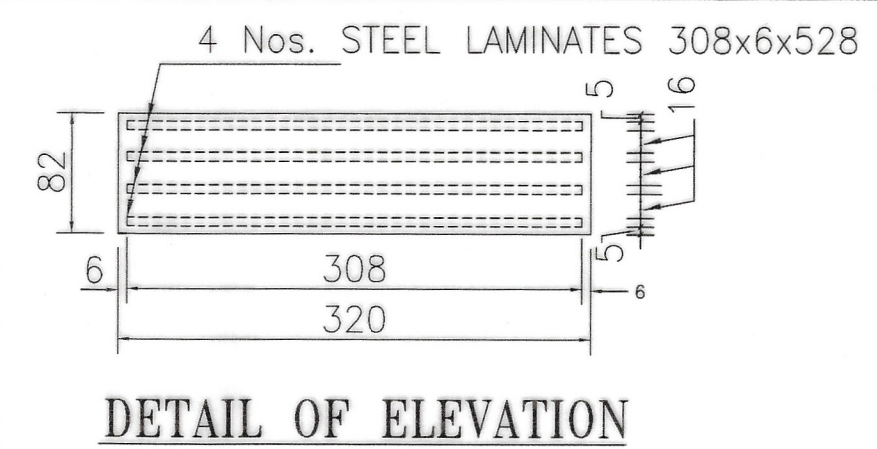
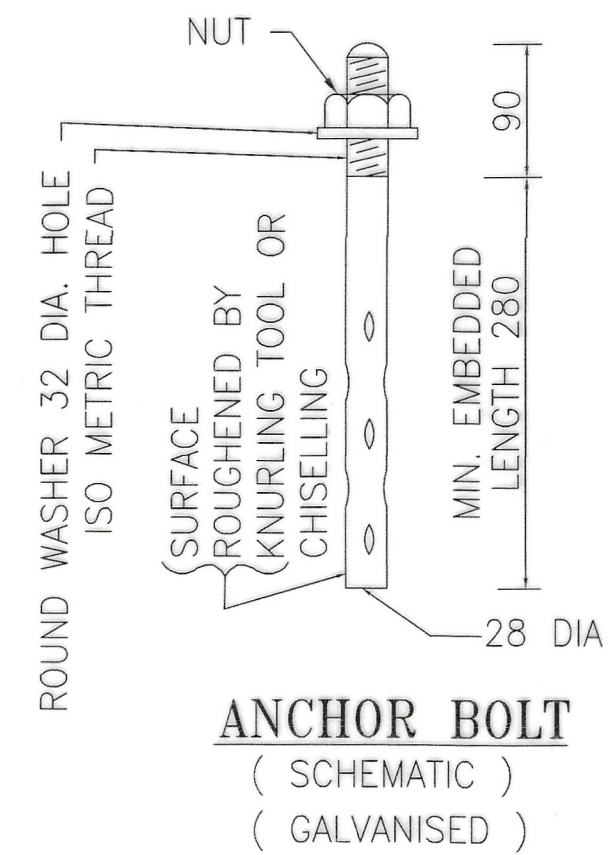
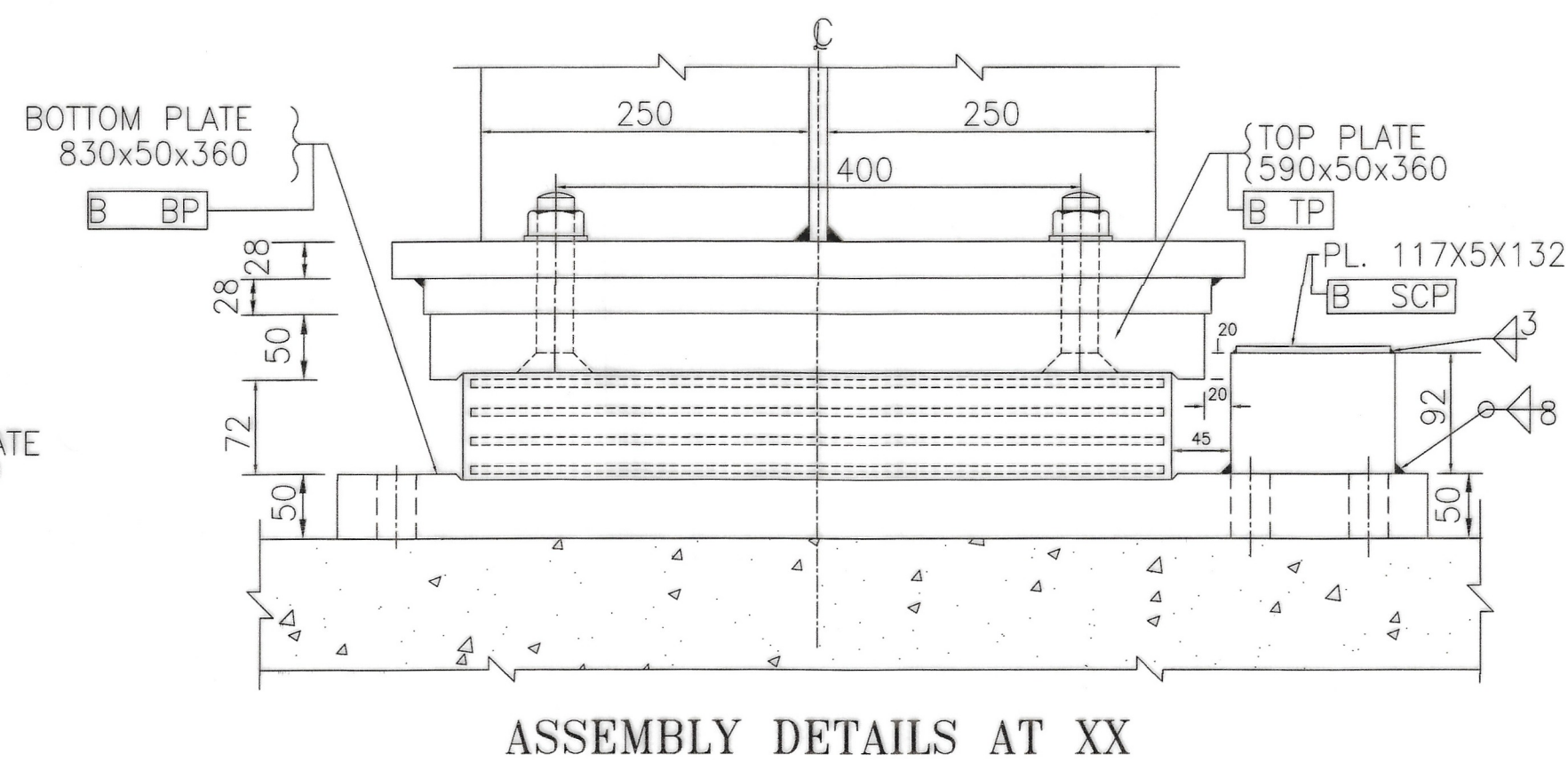
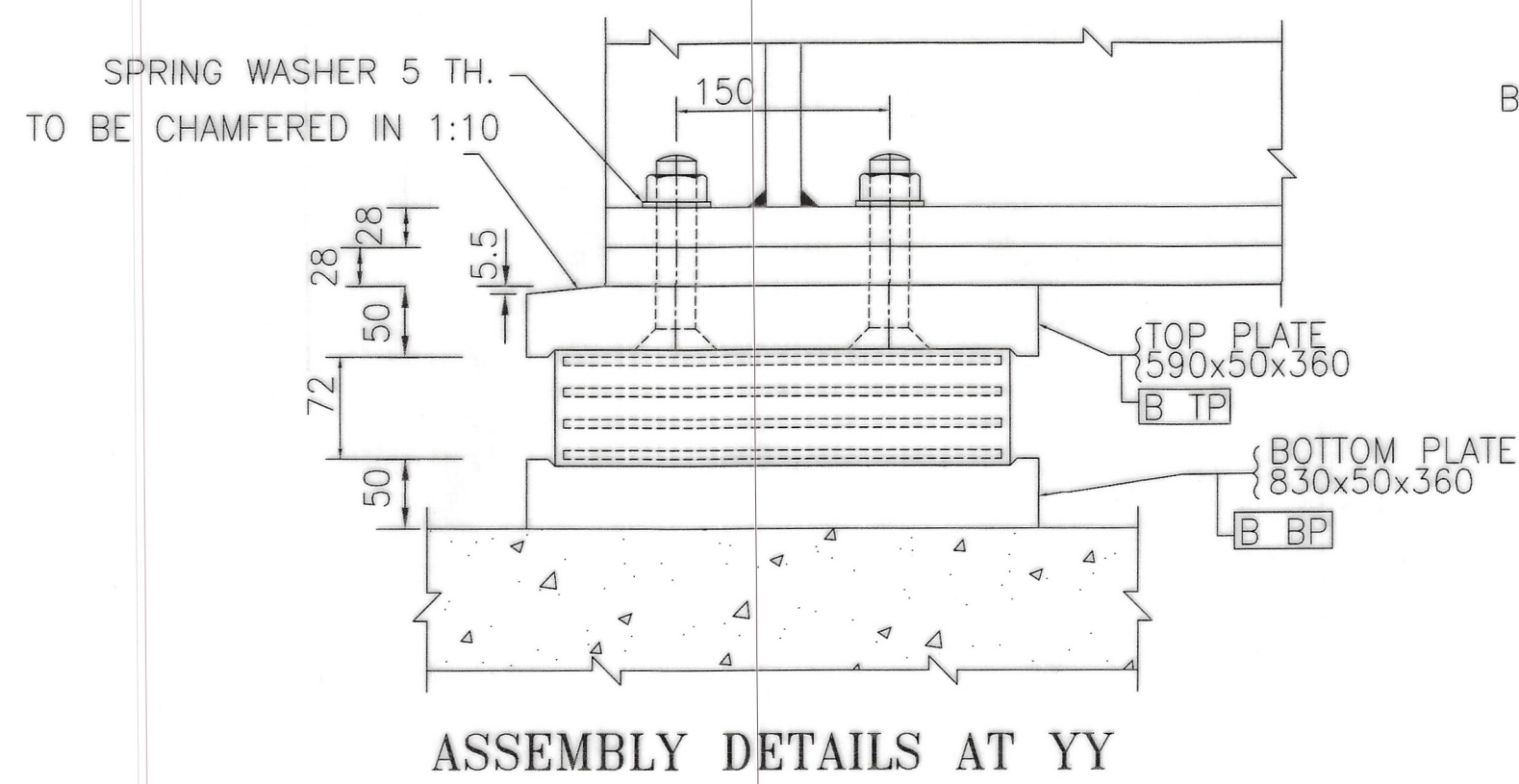




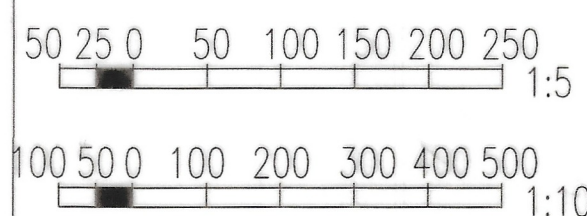
19. IN CASE OF MULTI SPAN ARRANGEMENT, IF STRUCTURALLY REQUIRED, SUITABLE LONGITUDINAL SEISMIC RESTRAINERS AND OTHER COMPLEMENTARY MODIFICATIONS IN SUBSTRUCTURES MAY BE DESIGNED AND ADOPTED.
18. ALL HOLES FOR ANCHOR BOLTS ARE 32MM FOR 28MM DIA.
17. PEDESTAL IF PROVIDED, SHALL PROJECT MINIMUM 150 MM BEYOND THE BOTTOM PLATE.
16. ALL BOLTS, NUTS ETC SHALL CONFORM TO PROVISIONS OF IS:1364.
15. THE ANCHOR BOLTS AND THEIR NUTS SHALL BE HOT DIP GALVANIZED 100 MICRON THICK, AS PER IS: 4759.
14. FOR NEW WORKS, RCC BED BLOCK SHALL BE MIN. M25. FOR EXISTING WORKS, RCC BED BLOCK CONCRETE SHOULD NOT BE LESS THAN M20.
13. MACHINED SURFACES SHOWN THUS ----f
12. IT IS PREFERABLE THAT BEARING SHALL BE INSTALLED AT NEARLY MEAN TEMPERATURE.
11. BEARINGS MUST BE PLACED BETWEEN TRUE HORIZONTAL SURFACE (MAX. TOLERANCE 0.2% PERPENDICULAR TO LOAD) AND AT TRUE PLAN POSITION OF THEIR CONTROL LINES MARKED ON RECEIVING SURFACES (MAX. TOLERANCE +/-3 mm). PROVISIONS OF PARA 9.3 OF IRC 83 PART II 2018 SHALL BE FOLLOWED FOR INSTALLATION OF BEARINGS.
10. DRAINAGE SHALL BE ENSURED BY PROVIDING SLOPE AWAY FROM BEARING IN ALL DIRECTIONS. (BEARING SHALL REST ON FLAT HORIZONTAL SURFACE).
9. WHEN REPLACING BEARINGS IN EXISTING GIRDERS, ALL BEARINGS IN ONE LINE OF SUPPORT SHALL BE REPLACED TOGETHER.
8. COUNTER SUNK BOLTS SHOULD NOT PROJECT BEYOND MACHINED SURFACES.
7. GROOVED BOTTOM SURFACE OF THE TOP PLATE AND TOP SURFACE OF THE BOTTOM PLATE SHALL BE VULCANIZED TO ELASTOMERIC PAD. PASTING/GLUING OF RUBBER TO STEEL IS NOT ALLOWED.
6. THE ELASTOMERIC PADS SHALL BE OF IRHD-70 AND SHALL CONFORM TO THE SPECIFICATIONS LAID DOWN IN UIC 772-2R.
5. FABRICATION AND TESTING OF BEARINGS SHALL BE DONE AS GIVEN IN IRC 83 PART II 2018, PARA 6 AND 7.
4. MAX. DESIGN PRESSURE BELOW THE BEARING ASSEMBLY IS 0.484 Kg/mm².
3. THE STATIC SHEAR MODULUS FOR THE ELASTOMERIC PADS HAS BEEN ASSUMED AS 0.4 MPa.
2. THE DESIGN IS BASED ON UIC CODE-772-2R, "CODE FOR THE USE OF RUBBER BEARING FOR RAIL BRIDGES AND IRC-83 PART-II.
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED. NO DIMENSION SHOULD BE SCALED FROM THIS DRAWING.

LOADS PER SPAN FOR DESIGN OF SUBSTRUCTURE

LOAD TYPE	LOAD (t) FOR DESIGN			
	DL	SIDL	LL	EQ/WIND
(i) VERTICAL	29.86	8.54	331.12	74.94
(ii) LONGITUDINAL	0	0	74.97	6.912
(iii) LATERAL	0	0	11.79	27.25

DESCRIPTION	SYMBOL
FILLET WELD (ONE SIDE)	
FILLET WELD (BOTH SIDES)	
ANCHOR BOLT	
TURNED BOLT	

(SIZE-A1)
MILLIMETERS



ALT
1

STATIC SHEAR MODULUS VALUE
CORRECTED.

ED/B&S
DBS-VII/B&S
ADE/SB-II/B&S

MAIN DRAWING	
DESCRIPTION	REFERENCE
GENERAL ARRANGEMENT AND DETAILS OF MAIN GIRDER	RDSO/B-16015/R1
THIS DRAWING IS THE PROPERTY OF RESEARCH DESIGNS & STANDARDS ORGANISATION (MINISTRY OF RAILWAYS) LUCKNOW-226011(INDIA) AND SHALL NOT BE USED, COPIED OR REPRODUCED IN PART OR WHOLE WITHOUT PRIOR CONSENT IN WRITING.	
R. D. S. O. "25t LOADING-2008" PLATE GIRDER-WELDED TYPE 18.3m SPAN ELASTOMERIC BEARING DETAILS PROVISIONAL DATE- 06.03.2023	
RDSO/B-16015/3R1	

DESIGN REGISTER	DESIGN BY-NILESH KUMAR(SSRE/SB-II)	DRAWN BY-ALOK RANJAN(J.E/D/SB-II)	SCRUTINISED & CHECKED BY-	SCRUTINISED & RECOMMENDED BY-	APPROVED BY-	AUTOCAD FILE No. RDSO-B-16015-3R1
No. DD/2023/	CHECKED BY-SONU (JE/D/SB-II)	CHECKED BY-ASHOK KUMAR(SSRE/SB-II)	SANDEEP AGARWAL (ADE/SB-II/B&S)	MANISH KUMAR (DBS-VII/B&S)	RAJESH KUMAR SRIVASTAVA(ED/B&S)	NOTIFICATION No.