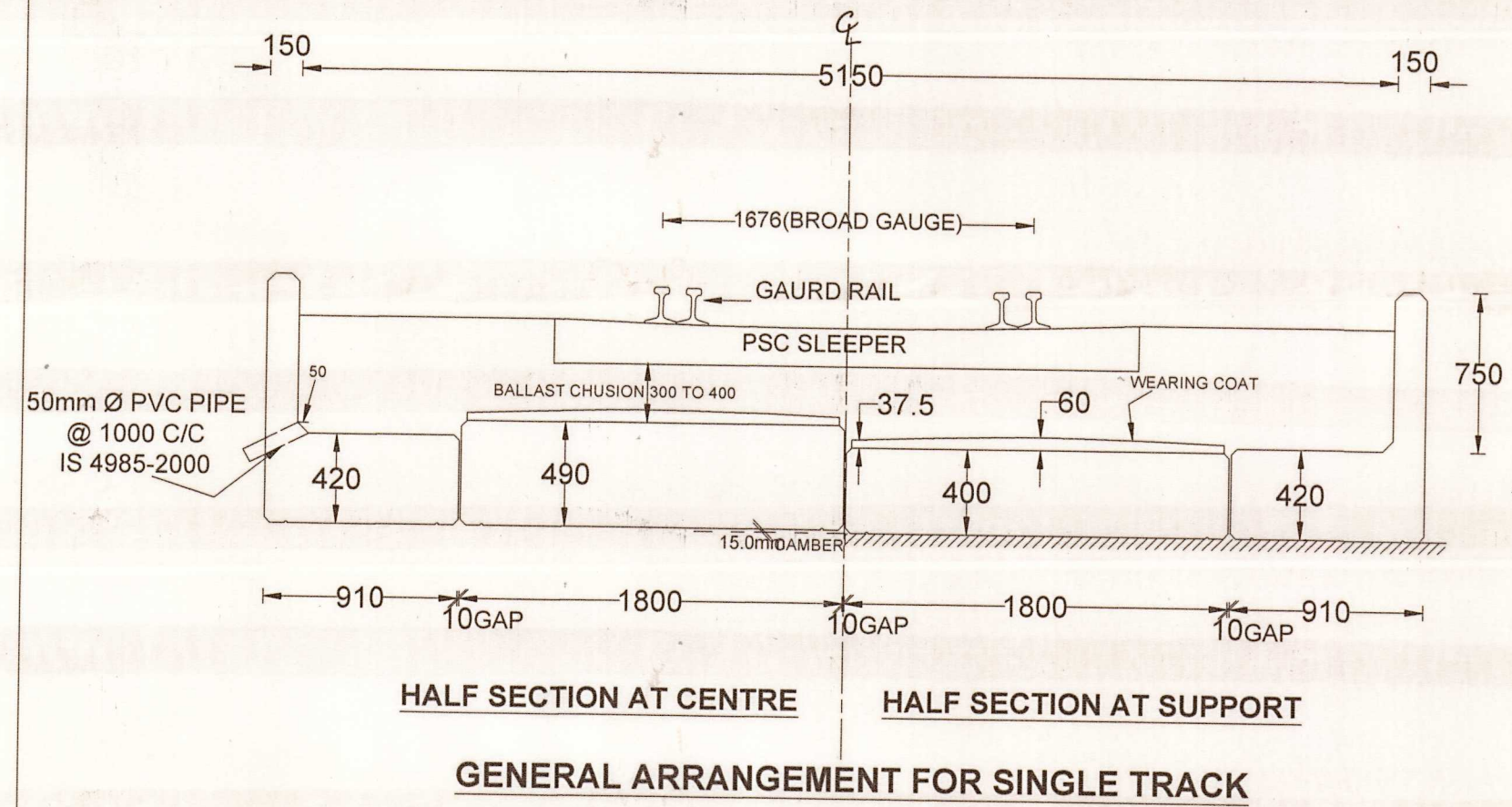




BAR BENDING SCHEDULE FOR EACH UNIT						
BAR MARK	DIA OF BAR	LENGHT mm	TOTAL NOS. REQUIRED	BENDING SHAPE DIMENSION SHOWN ARE OVER OUTER EDGES	WEIGHT PER METER IN Kg.	TOTAL WEIGHT IN Kg.
p	10	4335	28		0.617	74.89
q	10	968	28		0.617	16.72
r	25	5745	9		3.85	199.06
s	12	5595	17		0.888	84.46
u	10	485	84		0.617	25.14
h1	32	1305	2		6.31	16.47

NOTES:

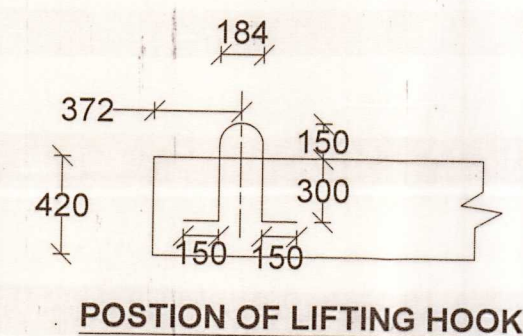
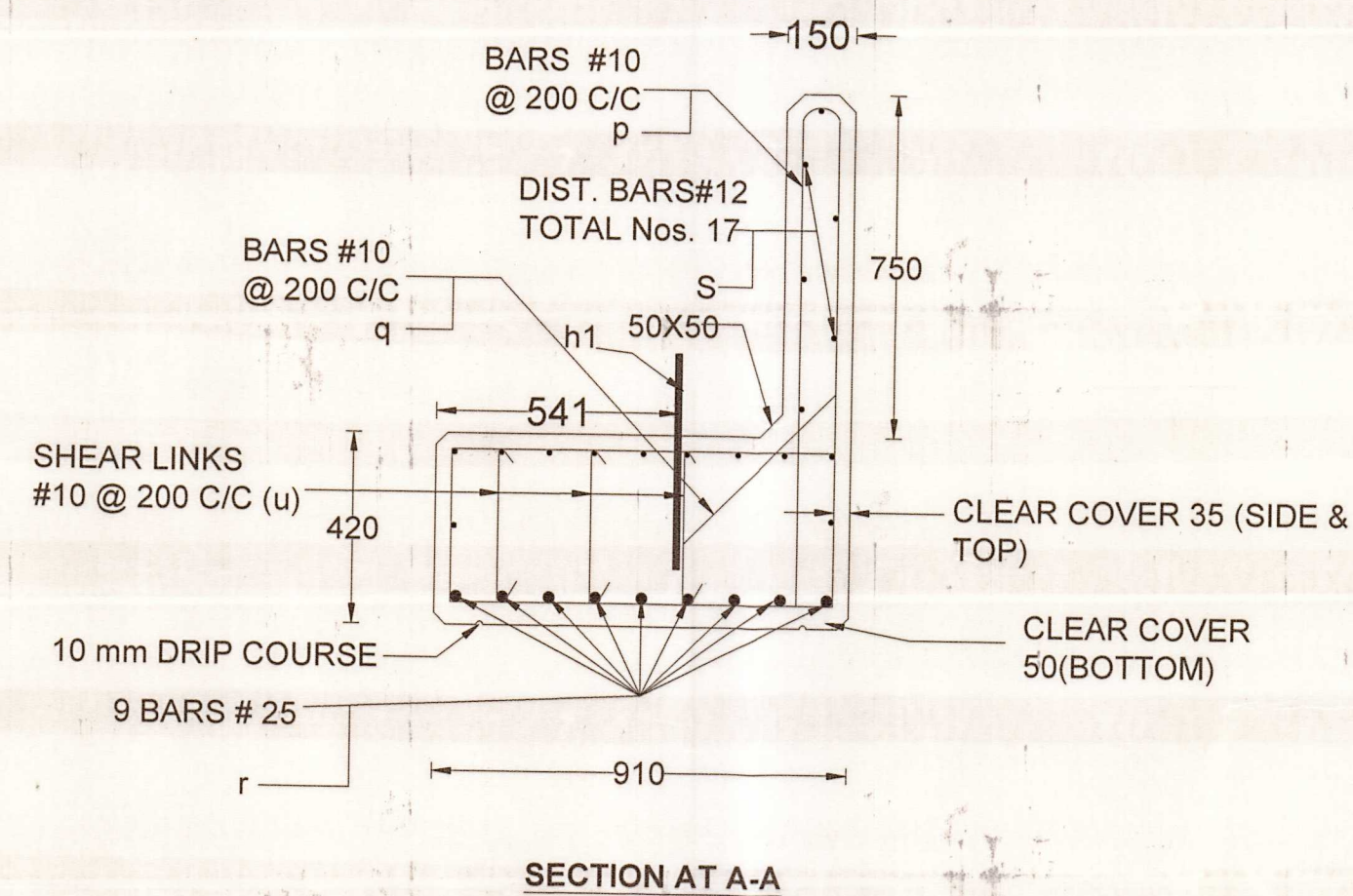
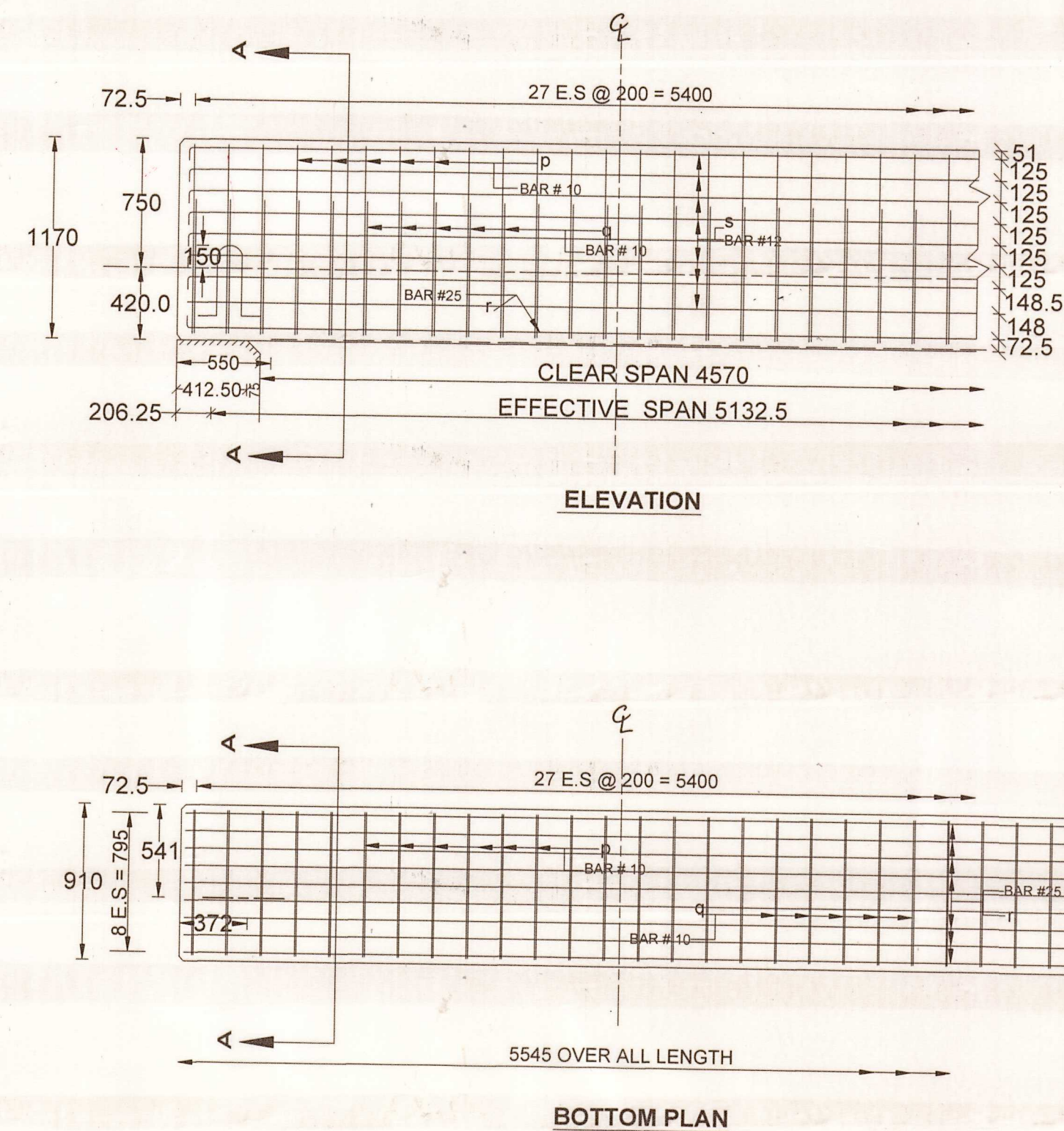
1. All Dimensions are IN Millimeters.
2. Drawing **Not to be Scaled**, only written Dimensions to be followed.
3. All corners shall have **chamfer** of 25mm.
4. Concrete for Ballast Retainer shall be of **Grade M-35**.
5. Steel shall be of High Strength Deformed (HSD)/TMT Bars, **Fe-415** OR Higher Grade Confirming to **IS 1786:2008** shall be used.
6. Units shall be provided with a **Uniform Bedding** by placing it over a layer of cement and cast iron borings in 1:1 proportions the paste should be of uniform consistency.
7. A layer of suitable **Water Proofing** treatment may be provided over ballast retainer.
8. All **Bends** and **Hooks** should be of standard confirming to **IS:2502-1963**.
9. For 4.57m Span Pre Tensioned PSC Slab refer: **RDSO-BA-10261 ALT.1**.
10. Weight of Ballast Retainer unit is 7.01 t.

REFERENCES:

1. **I.R.S Concrete Bridge Code 2014** (Revised) including latest ACS read in conjunction with relevant I.S Specifications mentioned therein.
2. **I.R.S Bridge Rules - 2014** including latest ACS.
3. Indian Railways Unified Standards Specification for materials and work 2019.
4. Engineering Standing Order No: 87 Dated 21.05.2020.

FOOTPATH:

1. RCC Footpath shall be provided adjacent to the Ballast Retainer.
2. For 'h' Type Footpath (to be cast separately) refer to Drg.No: GM(W)SC/BR/TR/RCC/STD/148/2020.



DETAILS OF BALLAST RETAINER

SOUTH CENTRAL RAILWAY

DRG. NO. GM(W)SC/BR/TR/RCC/STD/153 /2020

(DRAWING NOT TO SCALE)

DETAILS OF ARRANGEMENT FOR REVISED BALLAST RETAINER FOR PRE-TENSIONED PSC SLAB WITH 2-UNITS SPAN - 4.57m (RDSO - BA-10261 ALT.1) FOR 25t - 2008 LOADING STD.

CBE/SC	23/09/2020 (K. RAMAKRISHNA)
DY.CE/BR.D/SC	23/09/2020 (P. RAJAGOPAL RAO)
AXEN/BR.D/SC	27.09.2020 (P. SRINIVAS)
SSE/W/BR.D/HQ/SC	 (G. M. SARMA)
SSE/DESIGNS/BR.D/HQ/SC	 (MITHUN KUMAR SINGH)
SSE/DRG/BR.D/HQ/SC	 (V.M. DANIEL TENET)

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