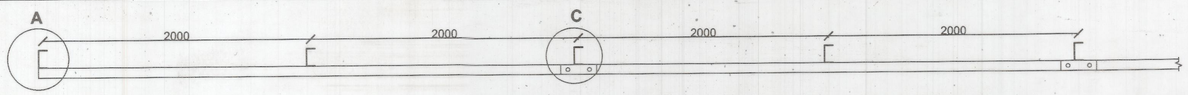
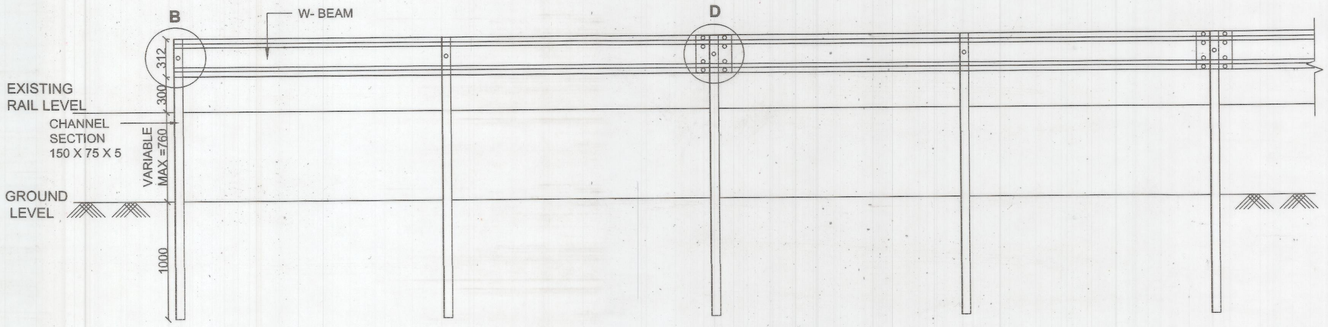
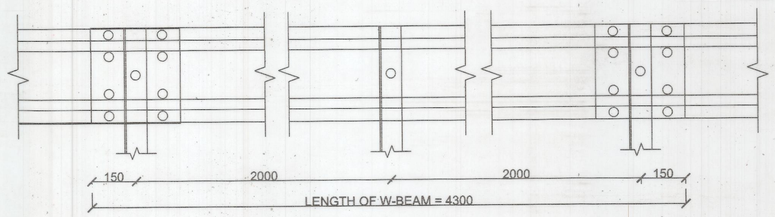
N.R. TYPE PLAN NO. : F-81
N.R.H.Q.E.PLAN NO. : HQ/07/07-2014



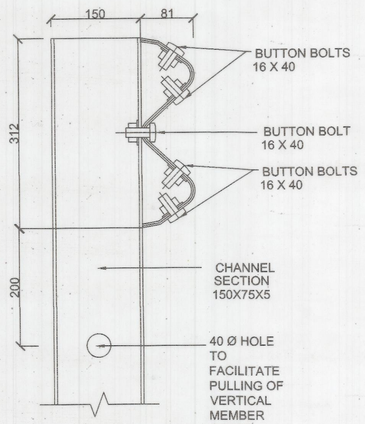
PLAN



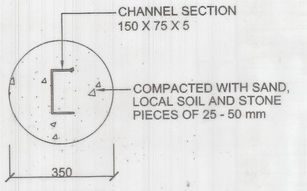
ELEVATION



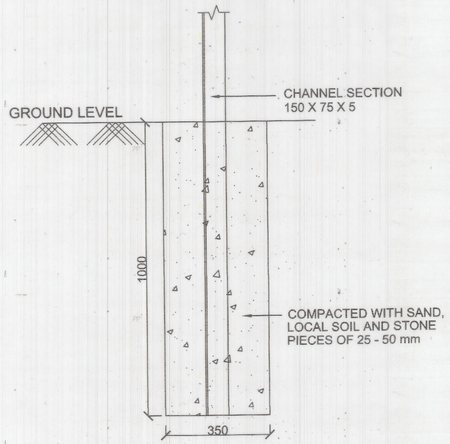
LENGTH OF W-BEAM



SECTION ELEVATION
VERTICAL MEMBER ON OVERLAPPING
WITH DETAILS OF BOLTING



TOP PLAN



SECTIONAL ELEVATION

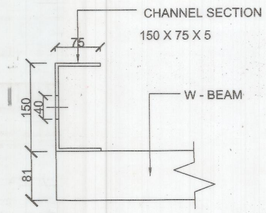
DETAILS OF FOUNDATION

NOTES: –

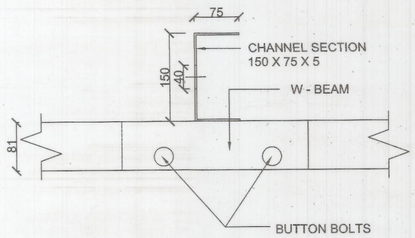
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. W-BEAM(HORIZONTAL MEMBER) SHALL BE COLD ROLLED STEEL STRIP W PROFILE 3 mm THICK HAVING A MIN YIELD STRENGTH OF 2400 kg/sq.cm HAVING WIDTH OF 313 mm AND DEPTH OF CORRUGATION AS 81 mm, HOT DIP GALVANISED OF ZINC COATING @ 550 g/sq.m. IT SHALL CONFORM TO STANDARDS AS PER IRC:SP:87-2013.
3. CHANNEL SECTION (VERTICAL MEMBER) 150X75X5 SHALL BE COLD ROLLED HAVING A MIN YIELD STRENGTH OF 2400 Kg/sq.cm, HOT DIP GALVANISED OF ZINC COATING @550 g/sq.m IT SHALL CONFORM TO STANDARDS AS PER IRC:SP:87-2013
4. BUTTON BOLTS WITH NUT AND WASHER, SHALL BE HOT DIPPED GALVANISED INCLUDING TACK WELDING TO THE BOLT
5. TO CONNECT W-BEAM TO CHANNEL THE HOLE PROVIDED FOR BUTTONBOLTS SHALL BE A SLOTTED HOLE OF 17.5Ø - 65 MM LONG
6. FOR ERECTING VERTICAL POST (CHANNEL SECTION 150 X 75 X 5), CIRCULAR PIT OF 350 mm DIAMETER SHALL BE DUG WITH THE HELP OF MECHANICAL AUGER. THEN THE MEMBER SHALL BE ERECTED TRUE TO PLUMB. IT SHALL BE FILLED WITH A MIXTURE OF SAND, LOCAL SOIL AND STONE PIECES 25-50 mm AND SHALL BE PROPERLY COMPACTED.
7. THE HORIZONTAL MEMBER CAN BE DIS ASSEMBLED AFTER THEWORK IS COMPLETED AND THE VERTICAL MEMBER CAN ALSO BE PULLED OUT.
8. 40 Ø HOLE SHALL BE PROVIDED IN THE VERTICAL MEMBER TOFACILITATE ITS PULLING AFTER COMPLETION OF WORK.
9. THIS TYPE PLAN SHALL BE USED TO FACILITATE CONSTRUCTION OF TRACK BY SIDING OWNERS / PRIVATE PARTIES IN RAILWAY AREA.

EXISTING WORK SHOWN IN - BLACK
PROPOSED WORK SHOWN IN - RED

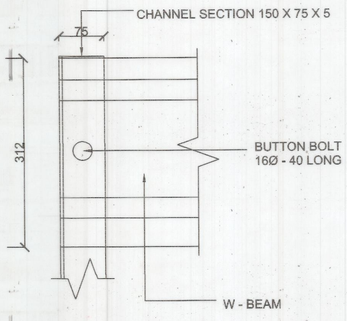
ISOMETRIC VIEW



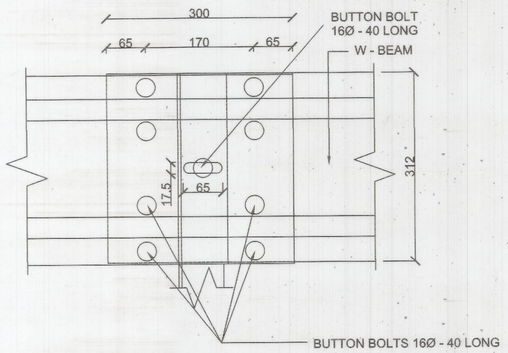
DETAILS AT " A "



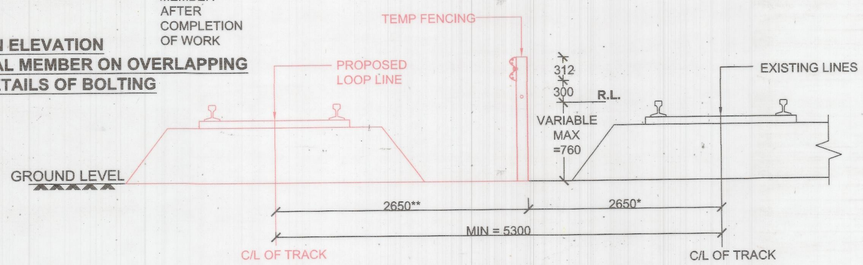
DETAILS AT " C "



DETAILS AT " B "



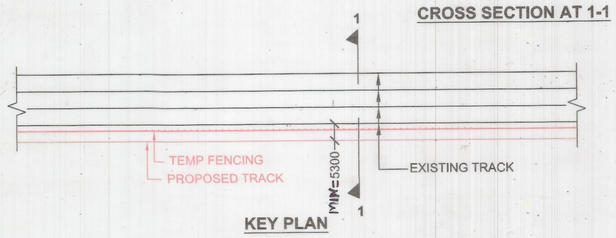
DETAILS AT " D "



** - TO BE KEPT AT 2650 IF TRACK CENTRE ≤ 6150

* - TO BE PROPORTIONATELY INCRESED TO 3500 WITH INCRESE IN TRACK CENTRE, MAX. 3500 IF TRACK CENTRE ≥ 6150

CROSS SECTION AT 1-1



KEY PLAN

SNO.	DATE	DESCRIPTIONS	INTIALS
		REVISION	

(TEJINDER SINGH) APP./J.E./CAD	(K.P. DANGI) S.S.E./DSN	(ARVIND VERMA)	(A.V. MITTAL)	(S.K.RAINA)
(DRAWN BY)	(DESIGN & CHECKED BY)	(AXEN/P&D)	(DY.C.E./P&D)	(C.E./P.&D.)

NORTHERN RAILWAY
TYPE PLAN TEMPORARY (SEMI PERMANENT) FENCING
SCALE : 1:45, 1:12, 1:5
H.Q. CASE NO.
CANCEL HQ PLAN NO:
N.R. TYPE PLAN NO. : F-81
N.R.H.Q.E. PLAN NO. : HQ/07/07-2014