



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited

Transmission Business Group

5th Floor, Advant Navis IT Business Park,

Plot No-7, Sector-142, Expressway Noida,

Noida-201305 (Uttar Pradesh)

email: krishna.singh@bhel.in

AMENDMENT -01 to NIT No. 31740 Dated 22.03.2017

Ref: Tender Spec No: TBSM/ YELAHANKA /CIVIL/TENDER/02, Dated 06.03.2017

With reference to above tender for "Execution and handing over of civil works of 220 kV switchyard at Yelahanka" following amendments may please be noted.

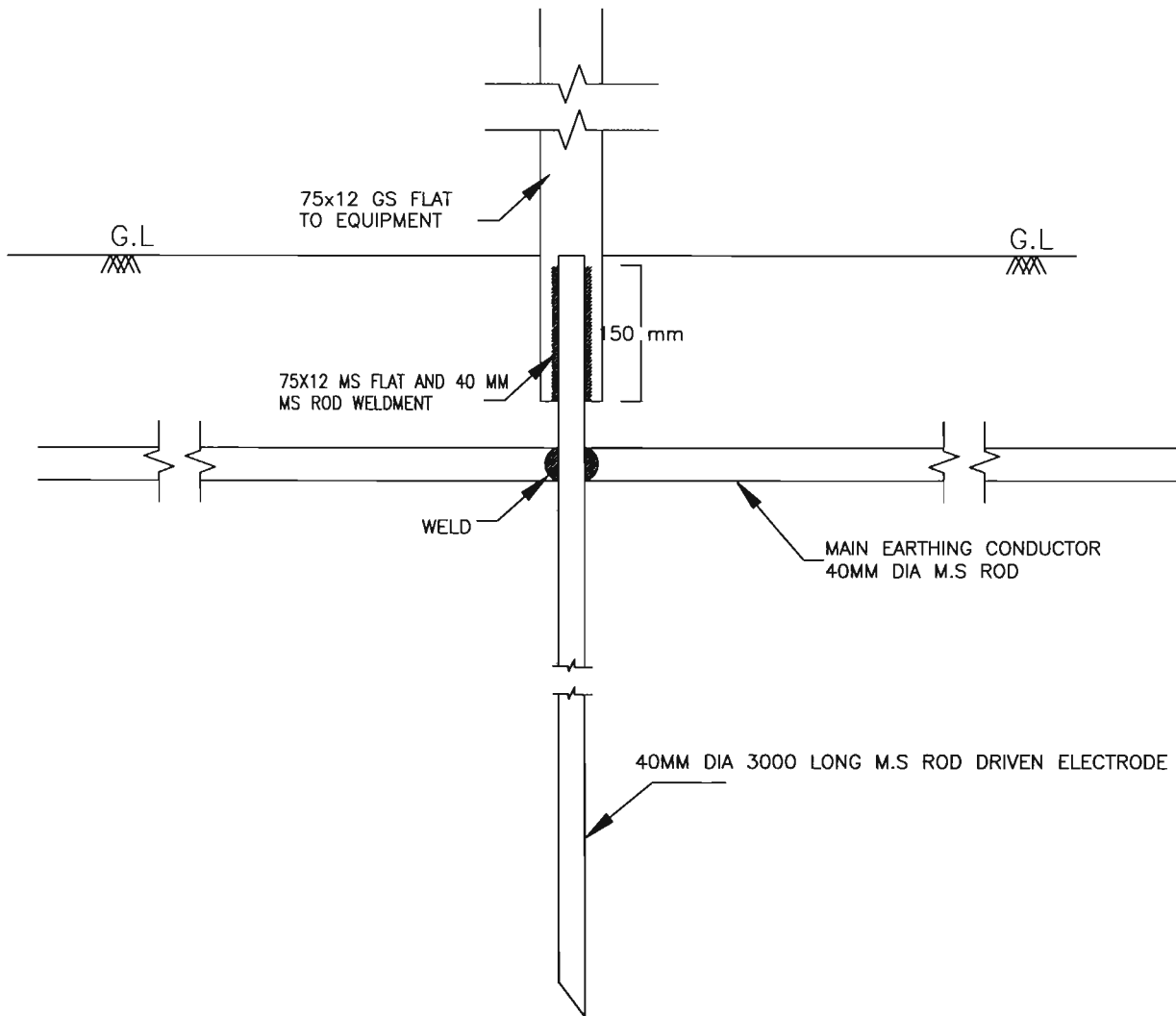
1. Drawings for earthing works provided in NIT have been revised. Revised earthing drawings enclosed.
2. Due date & time for tender submission and technical bid opening are extended as below

Tender submission date & time: 31.03.2017, 14:30 hrs.

Technical bid opening date & time: 31.03.2017, 15:30 hrs.

- All other terms & conditions of the tender specifications remain unchanged.
- Please enclose with your Technical Bid a copy of this amendment-01 duly signed by your authorized signatory and stamped.

**Krishna Swaroop Singh
DGM/ TBSM**



NOTES:-

1. SUPPLY OF FIXING BOLTS NUTS & WASHERS FOR GI FLAT EARTHING CONDUCTOR IS ALSO FORMS PART OF THE SCOPE.
2. ALL NUTS, BOLTS & WASHERS SHALL BE GALVANISED.



EQUIPMENT EARTHING DETAILS
ROD EARTH ELECTRODE WITHOUT TEST PIT

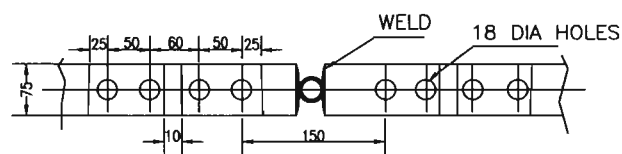
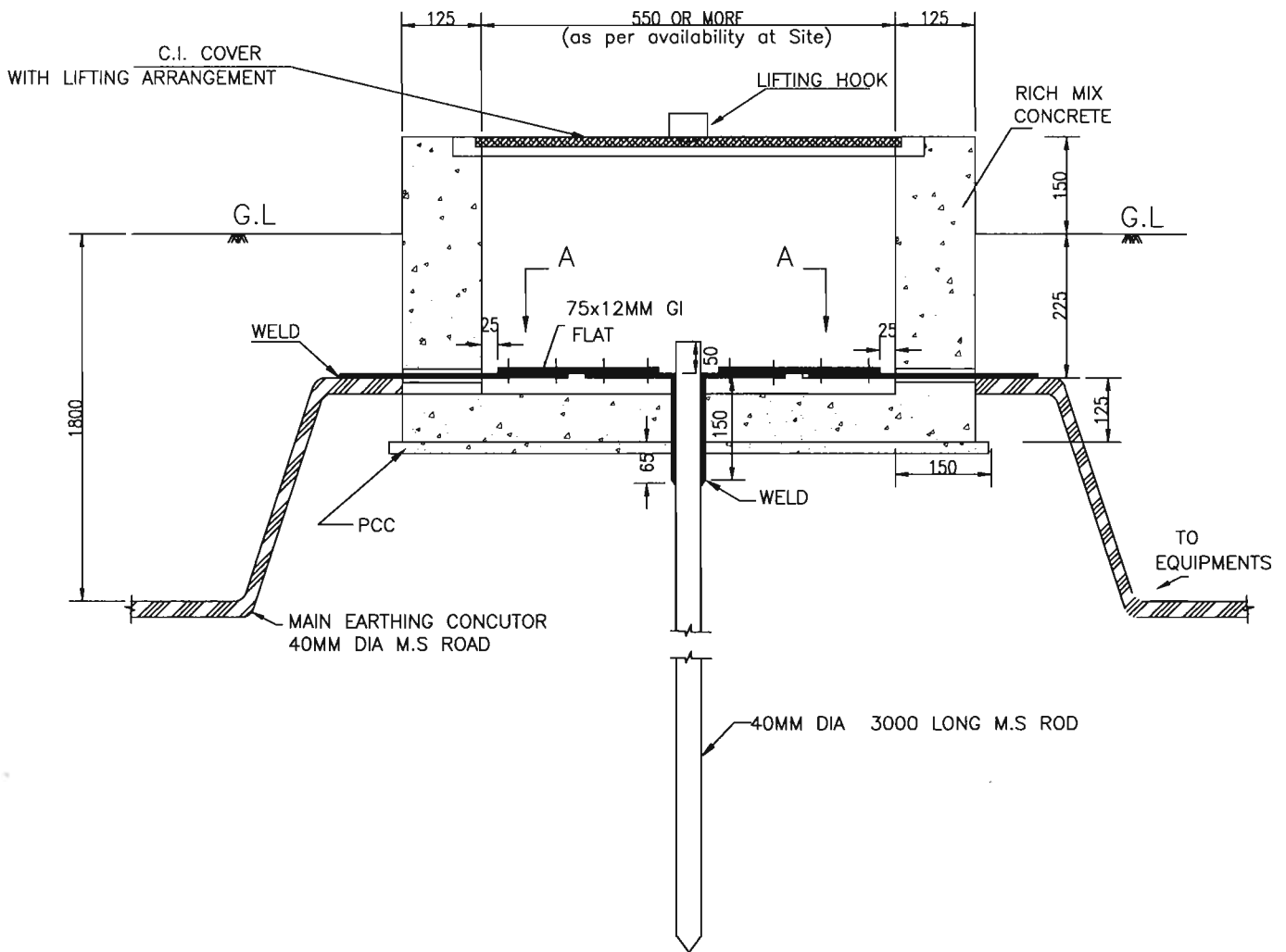
COMPU. DRG. REF.

DRG. No.

TB-3-379-316-010

SHEET No.

10



VIEW-'A'

NOTES:--

1. SUPPLY OF FIXING BOLTS NUTS & WASHERS FOR GI FLAT EARTHING CONDUCTOR ALSO FORMS PART OF THE SCOPE.
2. TO BE USED FOR CONNECTING DOWN CONDUCTOR OF LIGHTNING MASTS & TOWERS WITH PEAK AND INTERCONNECTIONS WITH POWER HOUSE EARTHING GRID.



EQUIPMENT EARTHING DETAILS

ROD EARTH ELECTRODE WITH TEST PIT

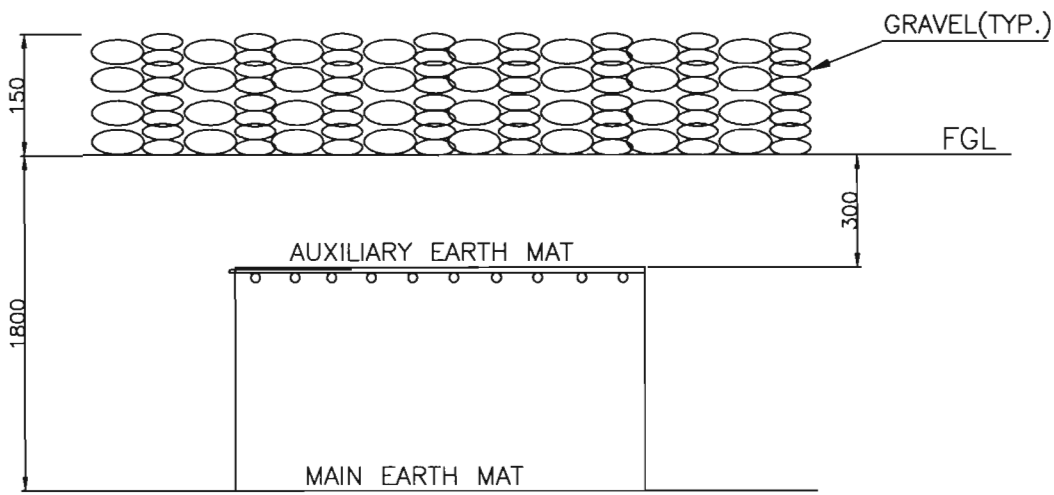
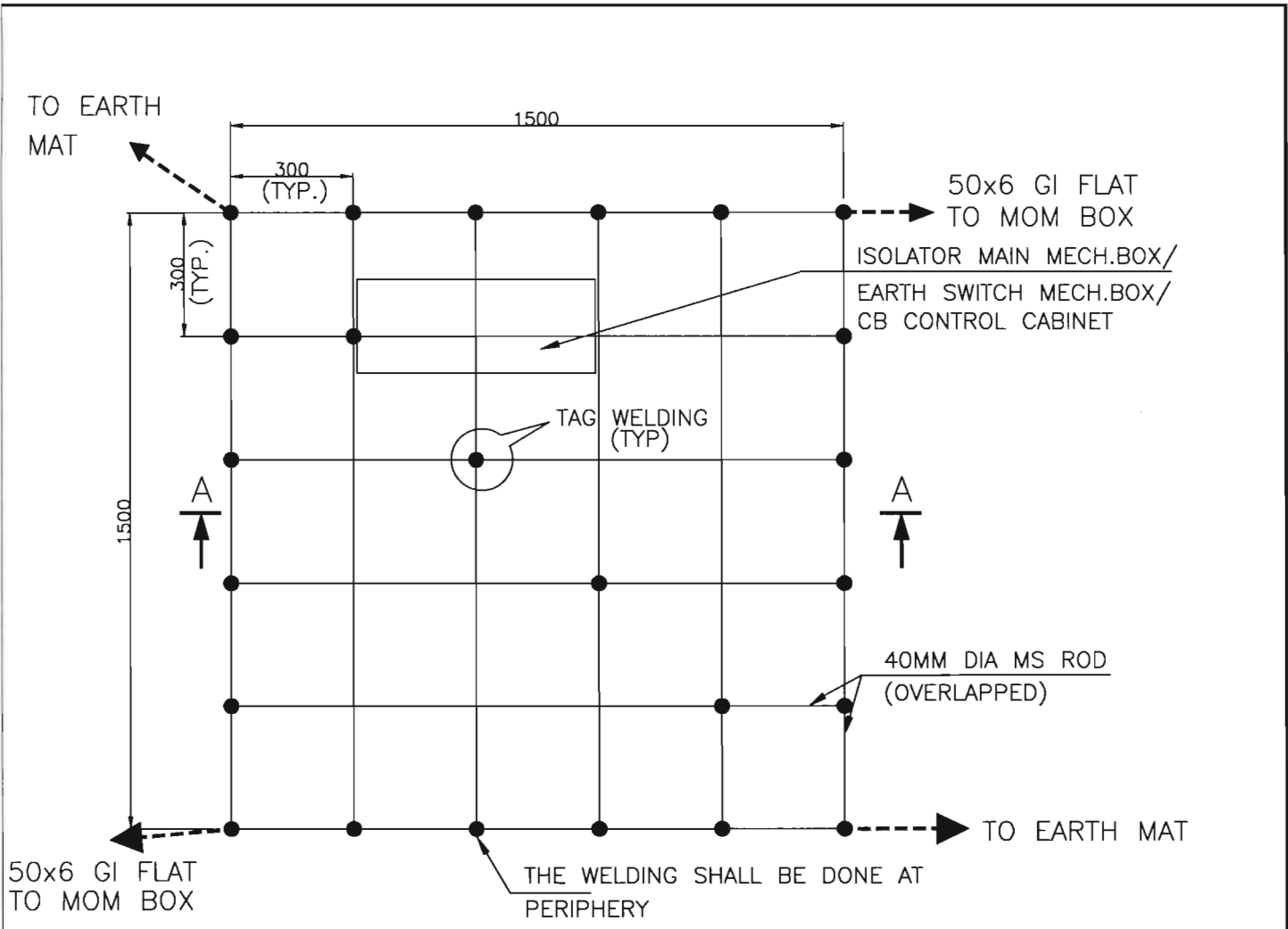
COMPU. DRG. REF.

DRG. No.

TB-3-379-316-010

REV. 00

SHEET No.
11



SECTION AA

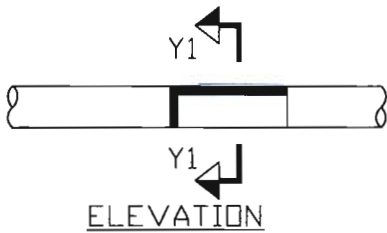
NOTE:

AUX. EARTH MAT SHALL BE SO POSITIONED THAT THE FOOT OF THE OPERATOR ALWAYS LIE OVER THE AUX. EARTH MAT AREA WHILE ATTENDING/OPERATING THE MECH. BOX. THE CABLE TRENCH ROUTING SHALL BE PLANNED ACCORDINGLY.

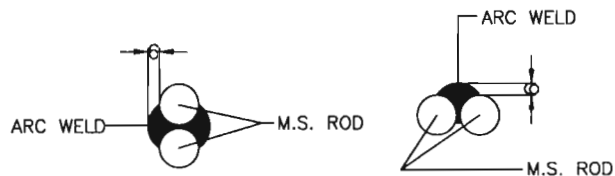


EQUIPMENT EARTHING DETAILS
 AUXILIARY EARTH MAT FOR ISOLATOR MAIN MECH., E/S
 MECH. BOX

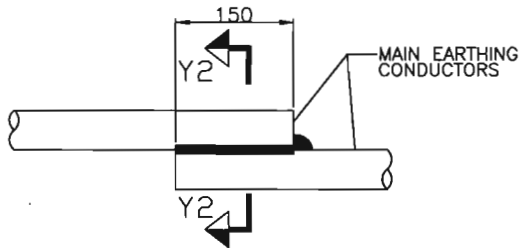
COMPU. DRG. REF.	Report No. TB-3-379-316-010	REV. 00 SHEET No. 13
------------------	-----------------------------	-------------------------



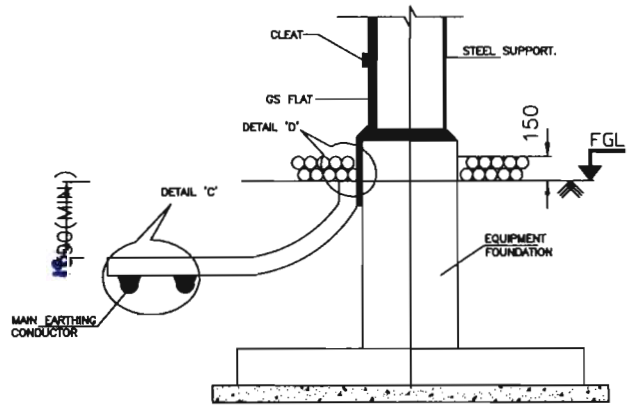
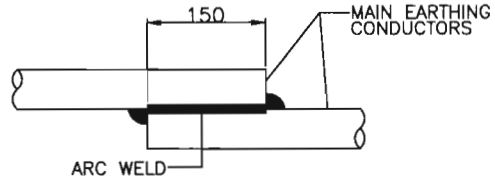
ELEVATION
(CONDUCTOR IN HORIZONTAL PLANE)



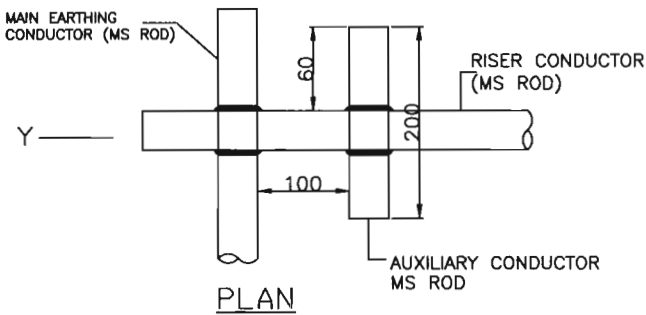
SECTION Y2-Y2 SECTION Y1-Y1



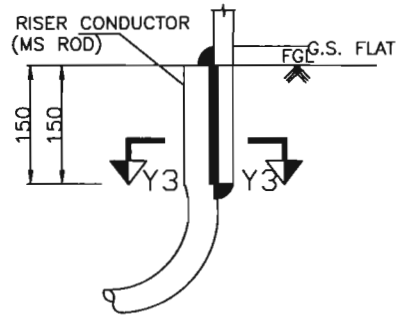
ELEVATION
(CONDUCTOR IN VERTICAL PLANE)



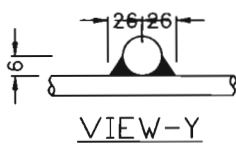
TYPICAL DETAILS OF RISER



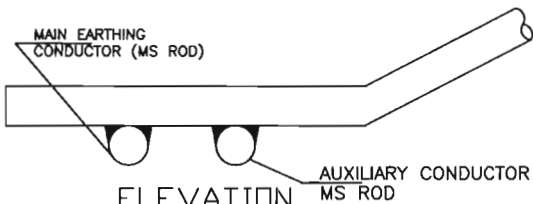
PLAN



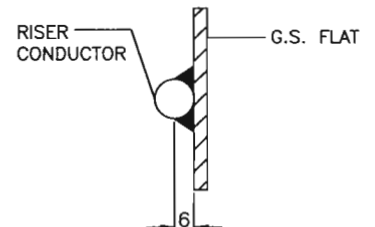
ELEVATION
DETAIL-D



VIEW-Y



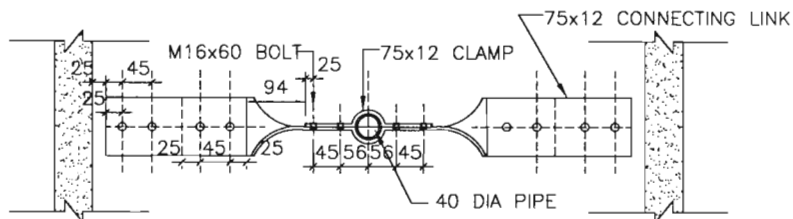
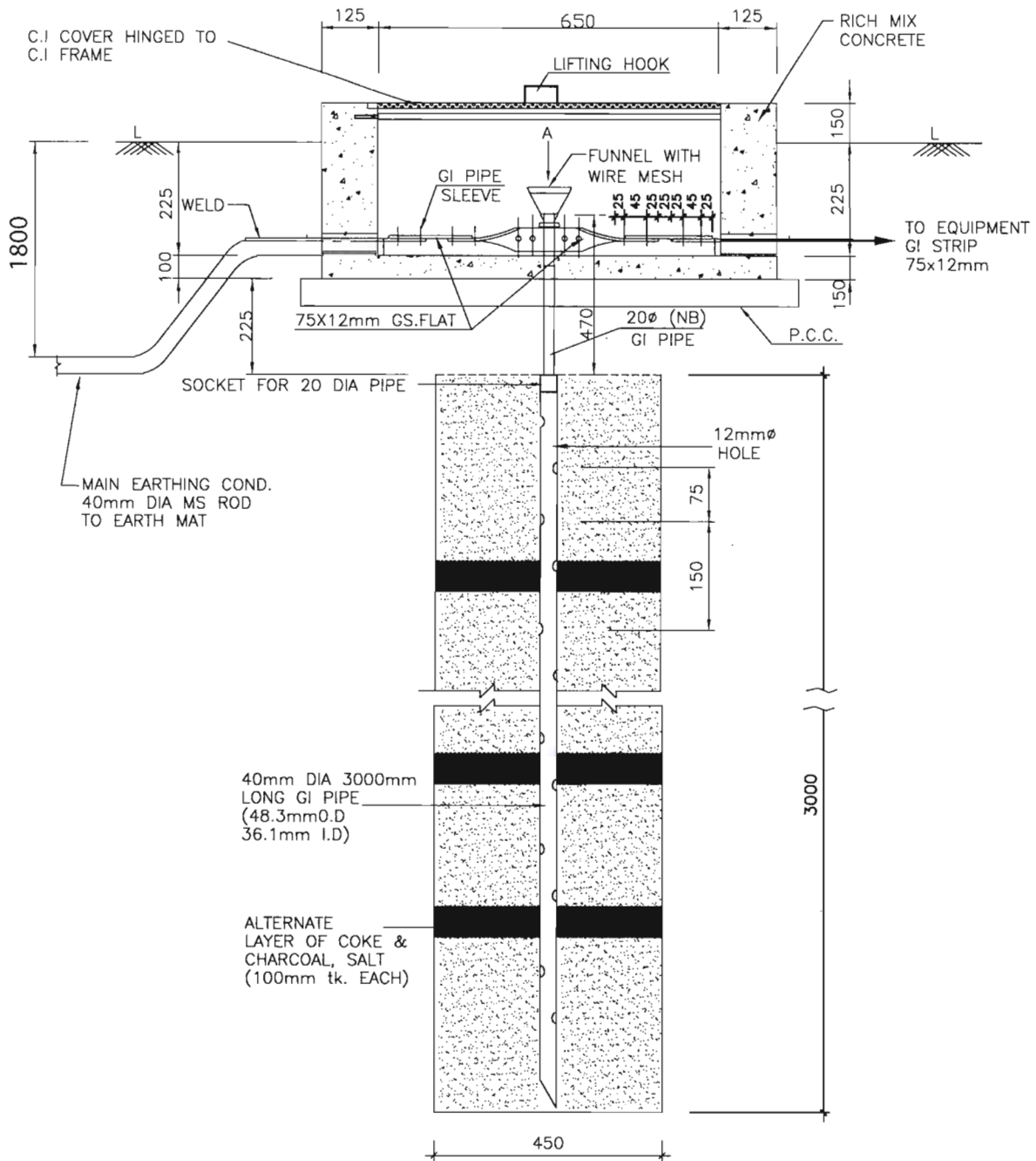
ELEVATION
DETAIL-C



TYPICAL OVERLAPPING JOINT OF TWO CONDUCTORS SECTION Y3-Y3



EQUIPMENT EARTHING DETAILS
WELDING DETAILS



VIEW-A

NOTE:

1. ALL NUTS,BOLTS AND WASHERS, FUNNEL GI PIPE AND WIRE MESH SHALL BE GALVANISED AS PER SPECIFICATION.
2. FUNNEL SHALL BE SECURELY HELD TO THE PIPE.
3. TO BE USED FOR CONNECTING TO NEUTRAL OF POWER TRANSFORMER/REACTOR/NGR



EQUIPMENT EARTHING DETAILS
 DETAILS OF PIPE EARTH ELECTRODE
 IN TREATED EARTH PIT (ET)

COMPUTERREF.NO.

DRG. No.

TB-STD-316-PIPE ELECTORDE REV. 00