



SPECIAL NOTES:

- #1 MAINTENANCE FREE EARTH (RDSO SPEC)
- #2 6x50mm GALVANIZED STEEL TAPE BURIED AT 600mm.
- #3 2 nos 3x25mm COPPER TAPES OR 4nos 35mm Sq. COPPER CABLE (RDSO SPEC).
- #4 3x25mm COPPER TAPE (BONDING RING CONDUCTOR) MOUNTED ON INSULATED STAND-OFFS.
- #5 16mm Sq. COPPER CABLE (1.5m LENGTH MAX)
- #6 10mm Sq. COPPER CABLE (1.5m LENGTH MAX)
- #7 ARMOURING OF CABLES CONNECTED TO EBB (AT WALL FOR NEW STATIONS).
- #8 110V DC SUPPLY (BUSBAR & POINT MACHINES)
- #9 110V AC SUPPLY (BUSBAR FOR SIGNALS & TRACK CIRCUITS)
- #10 24V DC SUPPLY (EXT.)
- #11 24V DC SUPPLY (INT.)

GENERAL NOTES:

1. CLASS A, B, C & D SPDs PROVIDED AS PER RDSO SPEC.
2. ALL EXTERNAL CONNECTIONS SHALL BE THROUGH EXOTHERMIC WELDING.
3. ALL CABLE TRAYS SHALL BE FULLY BONDED TO EACH OTHER AND SUPPORTING METAL WORK.

SYMBOLS

	MAINTENANCE FREE EARTH ROD.
	EQUIPOTENTIAL BUS BAR
	10mm Sq. METAL WORK BOND.
	150mm RADIUS.

REFERENCES:

IEC 61000-5-2	
IEC 62305-4	
IEEE STD 142	
IEEE STD 1100	

H. REVELL EXEC. ENGG./ASTS	A. KATYAR DIR./RDSO	S. BHAMU CSE/NCR	P.N. RAMANA CSE/ECOR
<p>TYPICAL BONDING AND EARTHING CONNECTIONS FOR SIGNALLING EQUIPMENTS</p> <p>R.D.S.O.</p>			
DRG NO:		DATE :	
EXEC. ENGG./ASTS		SHEET 1 OF 1	