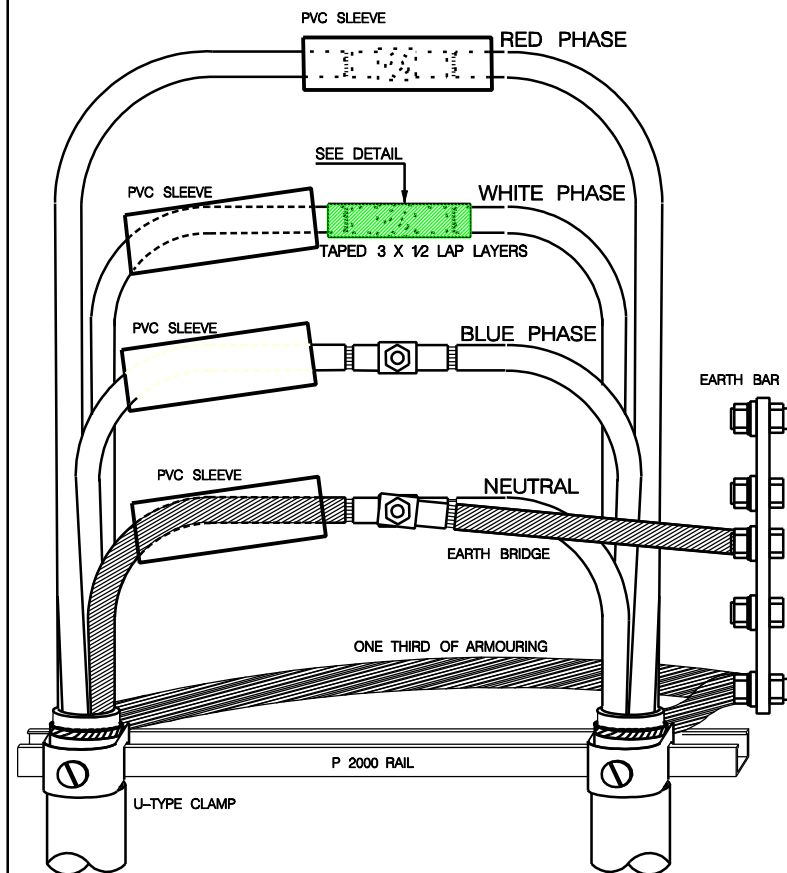
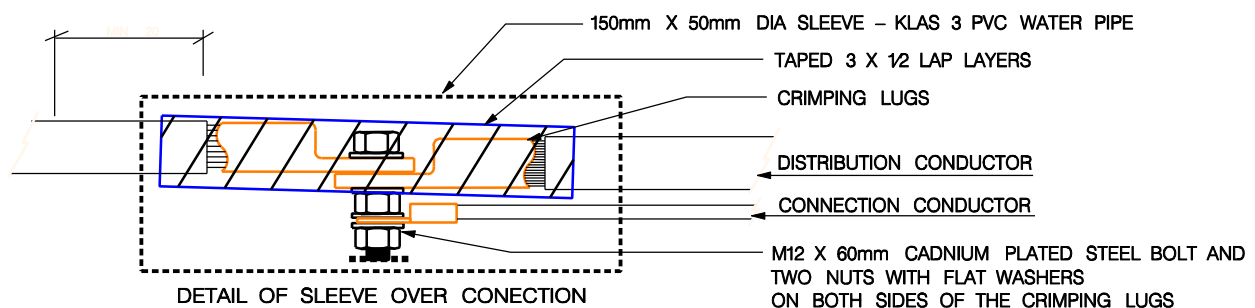


REAR SIDE OF DISTRIBUTION BOX



NOTE:

1. THE DISTRIBUTION NETWORK SHALL BE A COMMON NEUTRAL AND EARTH (CNE) CONNECTION
2. ENOUGH ARMORING TO FIT INTO LUG OF SAME SIZE AS CABLE PHASE SHALL BE CONNECTED TO THE EARTH STUD IN SUCH A WAY THAT ALL ARMOUR WIRES SHALL CARRY EARTH FAULT CURRENT UNDER FAULT CONDITIONS
3. NO SEPERATE EARTH CONDUCTOR SHALL BE INSTALLED WITH THE DISTRIBUTION CABLES AND A BRIDGE PIECE SHALL BE INSTALLED BETWEEN THE NEUTRAL BOLT AND THE EARTH BUSBAR IN THE REAR OF THE BOX
4. ENSURE ALL BOLTS TIGHT AND INSULATE EACH CONNECTION WITH 3 X 12 LAP LAYERS OF INSULATION TAPE OR LOW VOLTAGE HEAT-SHRINK TUBE.
5. USE ONLY M12 X 60mm CADNIUM PLATED STEEL BOLTS, NUTS AND WASHERS AND ENSURE THAT CONNECTION LUGS ARE TIGHTENED WITH A SEPERATE SET OF WASHERS AND NUTS, NEVER TO LOOSEN DISTRIBUTION LUGS ACCIDENTALLY
6. INSTALL A 150mm PIECE OF 50mm DIA PVC CLASS 3 PIPE OVER EACH DISTRIBUTION CONDUCTOR AND SLIDE OVER THE TAPED CONNECTION BOLT TO INSULATE AGAINST TOUCHING THE REAR COVER
7. USE ONLY U-TYPE CABSTRUT CLAMPS TO CLAMP CABLES TO A P2000 UNISTRAT CHANNEL MOUNTED WITH OPEN SIDE UPWARDS
8. CONNECT AT LEAST ONE THIRD OF THE CABLE ARMOURING WITH A CRIMPING LUG TO THE EARTH BAR
9. FOR SEPERATE NEUTRAL AND EARTH (SNE) DISTRIBUTION NETWORKS THE BRIDGE PIECE OF NOTE 3 SHALL NOT BE INSTALLED. THE SEPERATE EARTH CONDUCTOR SHALL BE CONNECTED TO THE EARTH BAR.



REV.	VERWYS.	DATE	DATUM	AUTH.	PARAF.	REVISION.	WYSICING.	DESCRIPTION	BESKRYWING
DESIGNED				ONTWERP				TITLE	TITEL
K. BOOYSEN				GETEKEN					
DRAWN									
N. VERMEULEN				SKAAL					
SCALE									
DATE				DATUM					
2006 - 05 - 02									
FIRST DRG. PERS.				EERSTE TEKENAAR					
A. C. DE WET									
CHECKED				NAGESIEN					
CHECKED				NAGESIEN					
DESIGN & DEVELOPMENT				ONTWERP & ONTWIKKELING					
A.MGOQI									

CENTLEC (Pty) Ltd

Reg No 2003/01612/07

PRIVATE BAG X14, BRANDHOF 9324
Tel: 051 - 4092238 Fax: 051 - 4092388

UTILIZATION BENUTTING
B. DE JAGER
CUSTOMER SERVICES KLIENTEDIENS
S.J. vd BERG
REGIONAL SERVICES STREEKSDIENSTE
X.FAKU
EXECUTIVE MANAGER: UITVOERENDE BESTUURDER:
ENGINEERING INGENIEURSWEESE
L.G. KRITZINGER

CABLE CONNECTION AND EARTHING METHOD IN DISTRIBUTION BOX

DRAWING N^o. REV. VERWYS.

TS - 5 - 63

