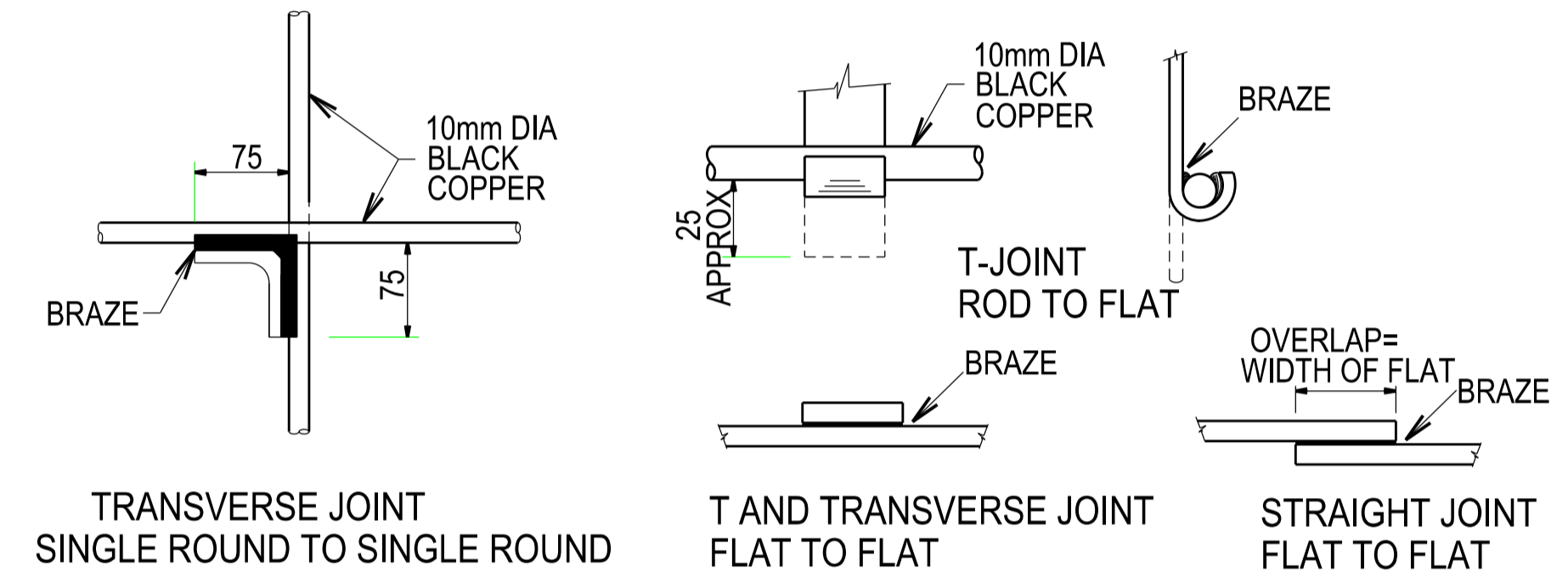


LEGEND	DESCRIPTION	QTY
	10mm ROUND COPPER MAIN EARTH GRID (1m BELOW GROUND LEVEL)	200m
	50mm x 3mm FLAT COPPER FOR EARTH TAILS TO THE FOUNDATIONS.	15m
	MAIN EARTH GRID BONDING BRACED OR CADWELD	44
	MAIN EARTH BONDING TO EARTH TAILS DIAMETER 10mm TO 50mm x 3mm FLAT	19

**EARTHING NOTES:**

- ALL TINNED COPPER MUST BE TREATED AS DESCRIBED PRIOR TO MAKING A CONNECTION:  
a) WASH AND BRUSH TINNED AREA IN WATER, b) APPLY THIN LAYER OF NON OXIDE GREASE ONLY TO TINNED AREAS FACING GENERATOR TANK.
- WHERE CONNECTION IS MADE TO GENERATOR TANK, THE SURFACE SHALL BE COATED WITH PETROLEUM JELLY PRIOR TO BOLTING.
- COPPER QUANTITIES EXCLUDE FOUNDATION H.D. BOLTS EARTHING
- ALL RE-REINFORCED MECH TO BE CONNECTED TO MAIN EARTH GRID.



- JOINTS TO BE OXY-ACETYLENE BRAZED, USING 3mm DIA SILBRALLOY BRAZING ROD AS SUPPLIED BY AFRICAN OXYGEN LTD. NO FLUX IS REQ'D.

**BRAZED COPPER JOINTS**

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FOR APPROVAL

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
A	ISSUED FOR APPROVAL				15/02/2022

APPROVED BY PRENG / PR TECH  
NAME: FP. PIETERSE  
SIGNATURE:  
PR ENG: 770358  
DATE:

CLIENT APPROVAL  
NAME:  
SIGNATURE:  
DESIGNATION:  
DATE:

ASSET OWNER:  
CLIENT:

DESIGN ENGINEER:  
  
CONSULTING ENGINEERS (PTY) LTD  
3 LIEBOWITZ STREET PO BOX 1055 NELSPOORT 1209  
info@plp.co.za

PROJECT:  
**CSIR BUILDING 9**

TITLE:  
**1000kVA SILENT GENERATOR EARTH GRID LAYOUT**

Scale: 1:20 Project Number:  
Drawn By: W CALITZ Checked By: V SAMBOKWE  
Date: 15-02-2022 Authorized By:

PLP Drawing Number: Rev: 0  
Client Drawing Number: