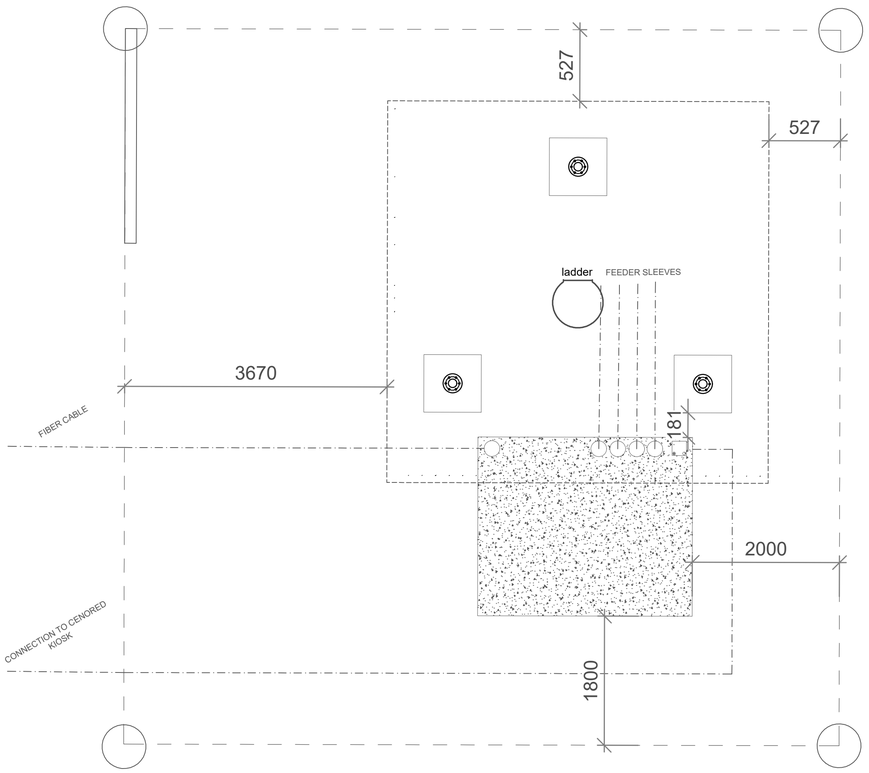
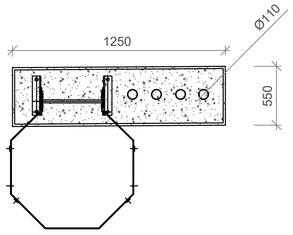
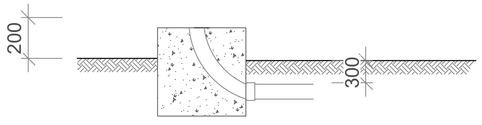
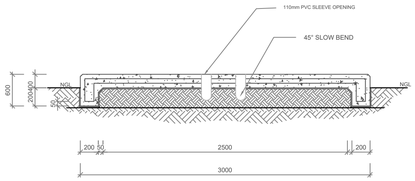




LADDER FEEDER PLAN (NTS)



TYPICAL FEEDER SECTION(NTS)

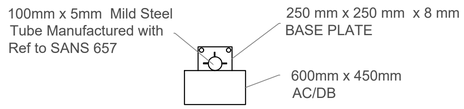


TYPICAL SECTION

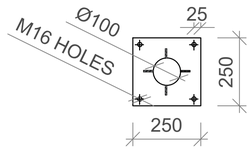
PLAN VIEW PLINTH

Legend

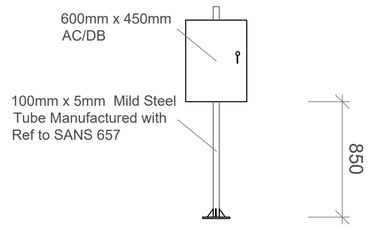
Three Phase Electrical cable	
Telecommunication access chamber	MH1
Telecommunication service cable	



AC/DB PLAN



AC/DB STAND BASE PLATE



AC/DB ELEVATION

Notes:

TRENCHES:

1.ALL TRENCHES ARE TO BE EXCAVATED TO A DEPTH SUFFICIENT TO ACCOMMODATE THE PIPES AT THE LEVELS AND COVER AS SHOWN ON THE DRAWINGS. UNLESS OTHERWISE STATED, A MINIMUM COVER OF 500 MM WILL GENERALLY BE REQUIRED. ALLOWANCE MUST ALSO BE MADE FOR THE REQUIRED DEPTH OF PIPE BEDDING.

2. SHOULD THE TRENCH BOTTOM CONDITIONS REMAIN UNSTABLE DUE TO THE NATURE OF THE SOIL AND THE DEGREE OF SATURATION, THE ENGINEERS MAY ORDER THE CONTRACTOR TO INSTALL A ON THE TRENCH BOTTOM PRIOR TO THE PROVISION OF THE STONE LAYER. AFTER PLACING THE STONE BEDDING, THE GEOTEXTILE SHALL BE FOLDED OVER THE STONE WITH A MINIMUM OVERLAP OF 300 MM TO FORM AN ENCLOSED DRAIN. THE SPECIFIED BEDDING MATERIAL SHALL THEN BE USED TO BED THE PIPE.

3. SAND BACKFILLING SHALL BE COMPACTED TO 100 PERCENT MODIFIED AASHTO MAXIMUM DENSITY.

PIPES:

1. THE UPVC PIPES SHALL BE CLASS 6 SPIGOT AND SOCKET COMPLYING WITH SABS 966.

2. ONLY WELDED JOINTS OF UPVC PIPES WILL ONLY BE ALLOWED WHERE PIPES ARE BUILT INTO STRUCTURES.

3. ONLY THE WELDING CEMENT SUPPLIED AND RECOMMENDED BY THE MANUFACTURER OF THE PIPES USED ON SITE SHALL BE PERMITTED.

4. ALL OTHER LONG PIPE ROUTES SHALL BE SPIGOT AND SOCKET JOINTS WITH RUBBER RING SEALS.

5. WHERE THE PROPOSED PIPELINES CROSS EXISTING SERVICES IN THE FORM OF WATERMAINS, SEWER PIPES OR STORMWATER PIPES THE DISTANCE SEPARATING THE TWO SHALL WHEREVER POSSIBLE NOT BE LESS THAN 500MM.

6. IN LAYING OF PIPELINES WITH WELDED JOINTS, PROVISION SHALL BE MADE FOR THE THERMAL EXPANSION AND CONTRACTION OF THE PIPE.

7. ALL PIPES AND SPECIALS STRUNG OUT ABOVE GROUND ALONG THE LINE OF THE TRENCH SHALL HAVE BOTH ENDS CLOSED BY MEANS OF AN ADEQUATELY FIXED PLASTIC CAP OR OTHER APPROVED MATERIAL, SUPPLIED BY THE CONTRACTOR, IN ORDER TO PREVENT THE INGRESS OF FOREIGN MATERIAL.

8. WHERE TWO PIPES ARE LAID SIDE BY SIDE IN THE SAME TRENCH, THE CLEAR DISTANCE BETWEEN THE PIPES SHALL NOT BE LESS THAN 50 MM.

9. VERTICAL AND HORIZONTAL DIRECTION CHANGES LESS THAN 11° SHALL BE ACHIEVED BY DEFLECTING THE PIPES AT THE JOINTS. THE DEFLECTION AT EACH JOINT SHALL NOT EXCEED THE VALUE RECOMMENDED BY THE PIPE MANUFACTURER AND IF NECESSARY, THE SPECIFIED CHANGE IN DIRECTION SHALL BE ACHIEVED OVER A NUMBER OF PIPE LENGTHS.

REV:	DESCRIPTION:	BY:	DATE:

PowerCom (PTY) LTD

CLIENT:
POWERCOM PTY LTD
NO JULIUS NYERER STREETS
WINDHOEK
SOUTHERN INDUSTRIAL

DEPARTMENT: PROJECT OFFICE

DRAWN:	CHECKED:	DATE:	REVISION:
RK	MI	14/02/24	0

PROJECT NAME:

DRAWING TITLE: BTS PLINTH AND SERVICES

SCALE:	SHEET SIZE:	SHEET NO:
AS SHOWN	A1	1 of 1

PROJECT NO:	STATUS:
PC-006-2024	CONSTRUCTION

DRAWING NO: PC-C-0003