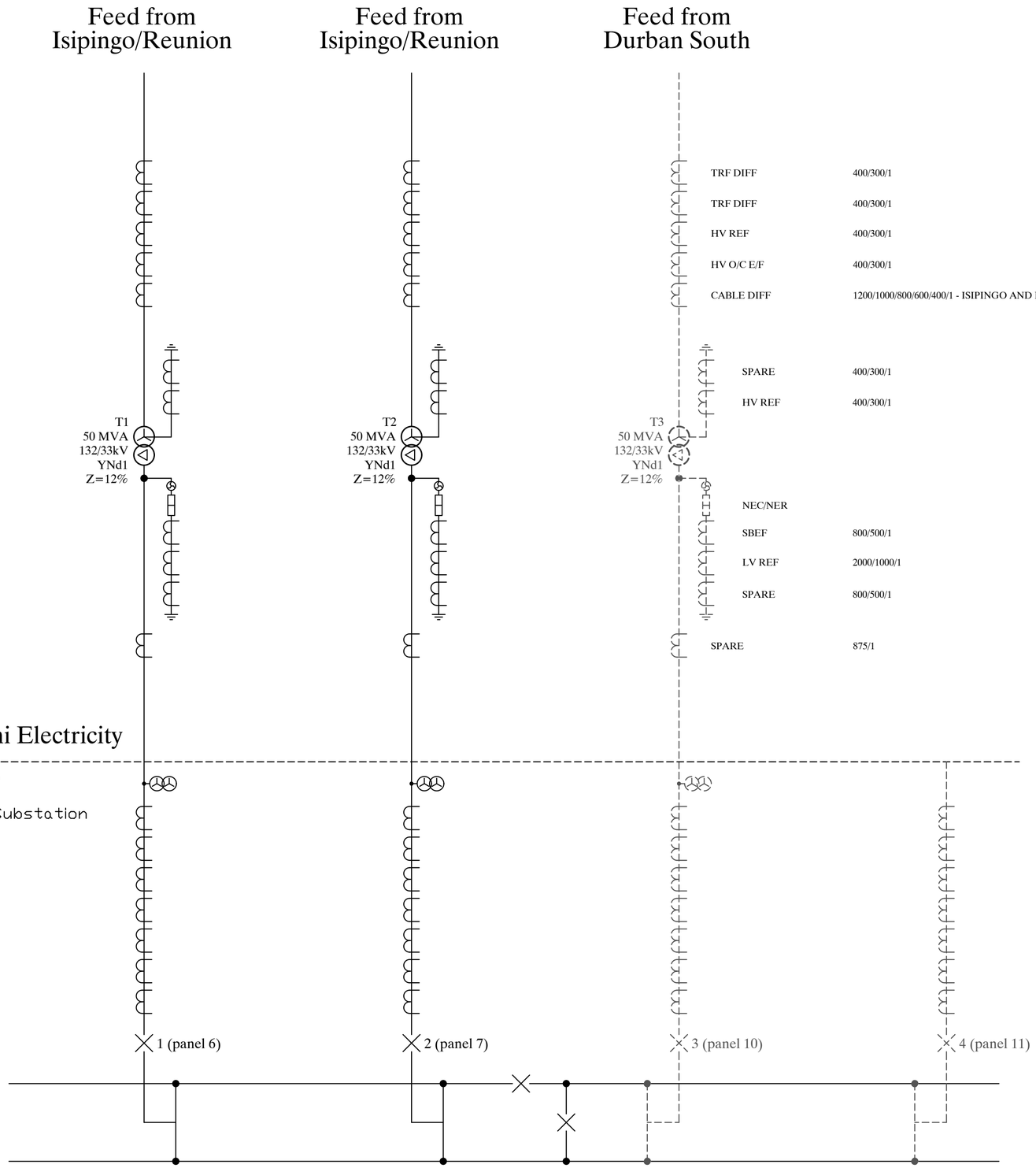
## Notes.

1. Final CT ratios to be determined during detailed protection system design.
2. The purpose of this drawing is to clarify the requirements of the associated contract / enquiry specification and the issue of this with the specification does not absolve the successful contractor from his normal responsibility to provide a satisfactory scheme or to submit drawings of systems proposed for approval by the Engineer.




eThekwini Electricity

SAPREF

Consumer Substation

33000:110v

| | |
|---|---|
| UTILITY METERING | 2000/1000/500/1 |
| CHECK METERING | 2000/1000/500/1 |
| CHECK BUS ZONE | 2000/1000/1 |
| BUS ZONE | 2000/1000/1 |
| OC & DOC | 2000/1000/1 |
| LV REF | 2000/1000/1 |
| TRANS DIFF | 2400/2000/1600/1200/1 |

| | |
|---|---|
| DRAWN | A.J.R.W. |
| DATE | 08.11.2005 |
| CHIEF DRAUGHTPERSON | |
| PLANNING OFFICER | |
| PROTECTION ENGINEER | |
| PLANNING ENGINEER | |
| PROJECTS ENGINEER | |
| PLAN./PROJ. MANAGER | |

| REFERENCE DRAWINGS: | REVISIONS: | BY: | DATE: |
|---|---|---|---|
| | | | |

**ETHEKWINI ELECTRICITY**

PROPOSED SAPREF 132/33kV SUBSTATION
No. 47178

BASIC 132/33kV SCHEMATIC DIAGRAM

| | | | |
|---|---|---|---|
| APPROVED A.J. DOLD DEPUTY HEAD: H.V. OPERATIONS | SCALE: N.T.S. | DRAWING NUMBER: PE 127 / S / 42 | REV: |