



LEGEND:

- THREE POSITION SWITCH
- CIRCUIT BREAKER
- TRI-FURCATING JOINT
- DYN11 DRY TYPE TRANSFORMER
- CABLE TERMINATION
- BUSBAR

ABBREVIATIONS:

- BB BUSBAR
- Cu COPPER
- TRFR TRANSFORMER
- SWA STEEL WIRE-ARMoured
- T3 TIPLEER 3
- TFR TRANSMET FREIGHT RAIL
- VSD VARIABLE SPEED DRIVE
- XLPE CROSS-LINKED POLYETHYLENE
- OCTS OFF-CIRCUIT TAP SWITCH

- NOTES:**
1. SEE SPECIFICATIONS FOR TERMINATIONS OF SWITCHGEAR.
 2. SEE SPECIFICATIONS FOR CABLE PLUGS AND TERMINATIONS FOR TRANSFORMER ENCLOSURE BOXES.
 3. ALL POWER CABLES INTERNAL TO THE SUBSTATION TO BE UNARMoured.
 4. ALL POWER CABLES EXTERNAL TO THE SUBSTATION TO BE ARMoured.

MASTER
07 JUN 2018
AECOM

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ISSUED FOR CONSTRUCTION:		GB	DA	BS	18-06-06
01	HOLD POINT ADDED.				
	QUANTITY CHANGED.				
	UPDATED CONDUCTOR SIZE.				
	NOTES REMOVED.				
ISSUED FOR CONSTRUCTION		GB	DA	BS	18-03-15
NO.	DESCRIPTION	BY	CHKD	APPD	DATE

CONTRACTOR / CONSULTANT				TRANSNET CAPITAL PROJECTS			
TITLE	NAME	SIGN	DATE	TITLE	NAME	SIGN	DATE
				DRAWN	GB		18-06-06
				CHECKED	JF		18-06-06
				DESIGNED	BS		18-06-06
				CHECKED	DA		18-06-06
OPERATING DIVISIONS				PR. ENG. / PR. TECH. / PR. ARCH			
TITLE	NAME	SIGN	DATE	NAME	SIGN	DATE	DATE
				PR. ENG.			
				C. PWN			
				SIGNATURE			
				REG. NUMBER	221270126		
				SCALE:	NTS		

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PORT OF SALDANHA

IRON ORE TIPPLER 3 PROJECT
BULK ELECTRICAL POWER UPGRADE:
SUBSTATION N
MV SINGLE LINE DIAGRAM

PROJECT NUMBER	DD	FBS	DIS	TYPE	DRAWING NO.	SHEET	REV	ID
A01924701-2	3	0	0	E-S	L0006	01	01	AE

DRAWING NO.	REFERENCE
1	REFERENCE DRAWINGS