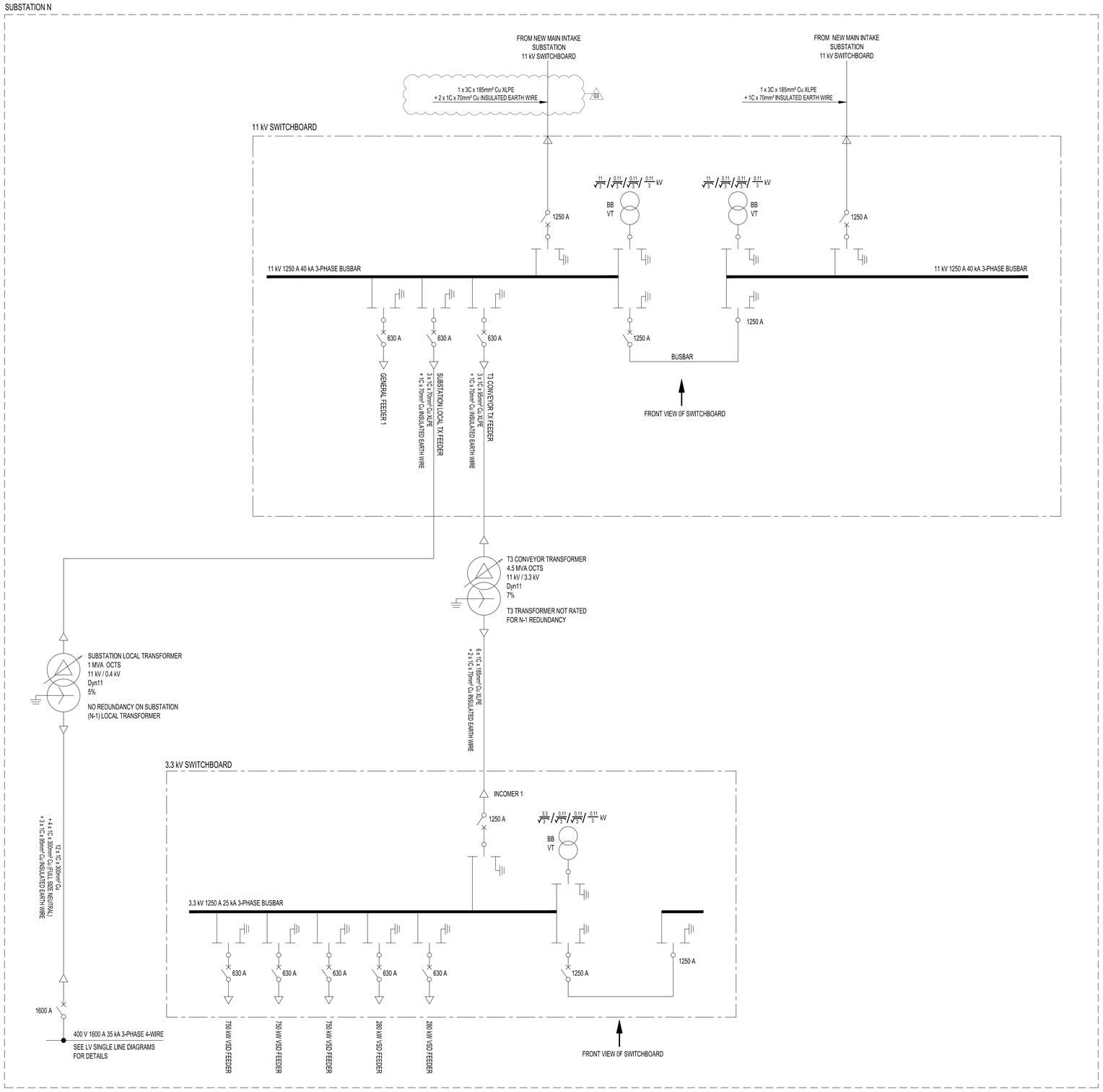

LEGEND:

- THREE POSITION SWITCH
- CIRCUIT BREAKER
- Dyn11 DRY TYPE TRANSFORMER
- CABLE TERMINATION
- BUSBAR

ABBREVIATIONS:

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

DRAWING NO.	REFERENCE
.	.

REFERENCE DRAWINGS

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
18-04-2024
AECOM TRANSNET

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REG. No. 1966/006628/07

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
03	ISSUED FOR CONSTRUCTION ADDITIONAL ECC ADDED TO SUB N FEEDER 1	JF	CP	CP	'24-04-17
02	ISSUED FOR CONSTRUCTION: • TRIFURCATION JOINTS AND SINGLE CORE MV CABLE OMITTED WITH 3C MULTI-CORE INSTALLED FROM END-TO-END	DD	JW	CP	'21-11-30
01	ISSUED FOR CONSTRUCTION: • HOLD POINT ADDED. • QUANTITY CHANGED. • UPDATED CONDUCTOR SIZE. • NOTES REMOVED.	GB	DA	BS	'18-06-06
00	ISSUED FOR CONSTRUCTION	GB	DA	BS	'18-03-15

REVISIONS

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CONTRACTOR / CONSULTANT			
TITLE	NAME	SIGN	DATE
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OPERATING DIVISIONS			
TITLE	NAME	SIGN	DATE
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TRANSNET CAPITAL PROJECTS			
TITLE	NAME	SIGN	DATE
DRAWN	JF		24 04 17
CHECKED	WS		24 04 17
DESIGNED	LK		24 04 17
CHECKED	CP		24 04 17
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PR.ENG. / PR.TECH./PR. ARCH		
NAME	C PYM	DATE
SIGNATURE		24 04 17
REG. NUMBER	201270126	
SCALE :	NTS	A0

Transnet Capital Projects
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TRANSNET

PORT OF SALDANHA

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

PROJECT NUMBER	OD	FBS	DIS	TYPE	DRAWING NO.	SHEET	REV	ID
1 9 2 4 7 0 1	2	3 0 0	E	SL	0 0 0 6	0 1	0 3	AE