

Distribution Design Catalogue – Section 08: TX - Transformers

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Document Control		
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Next Review Date **	20/10/2026	

* Shall be the Process Owner and is the person assigned authority and responsibility for managing the whole process, end-to-end, which may extend across more than one division and/or functions, in order to deliver agreed business results.

** Frequency period is dependent upon circumstances– maximum is 5 years from last issue, review, or revision whichever is the latest. If left blank, the default shall be 1 year unless otherwise specified.

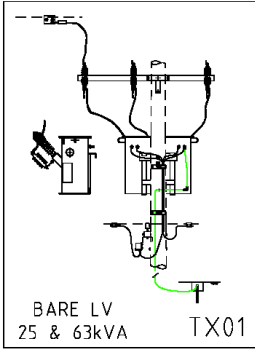
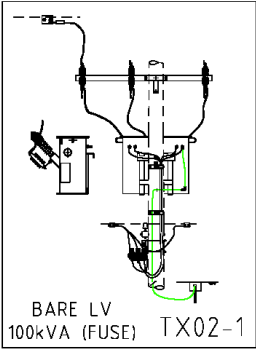
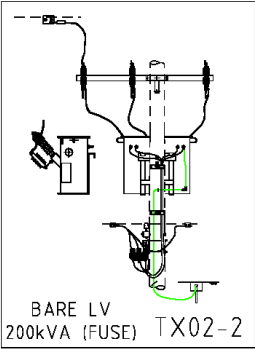
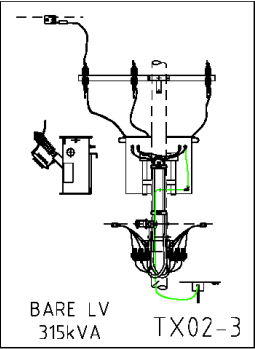
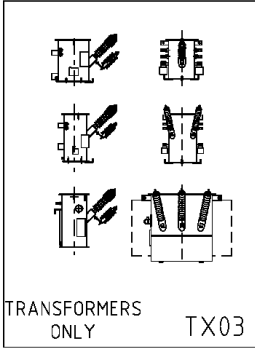
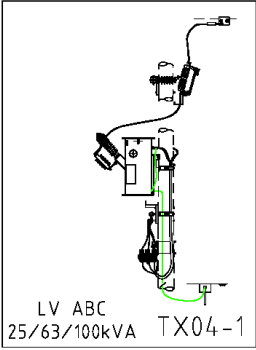
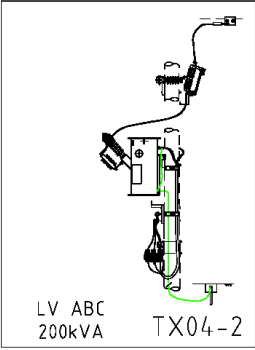
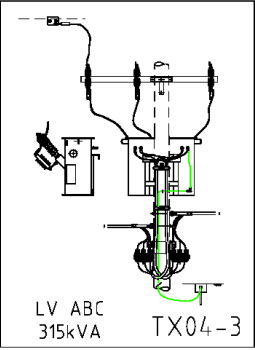
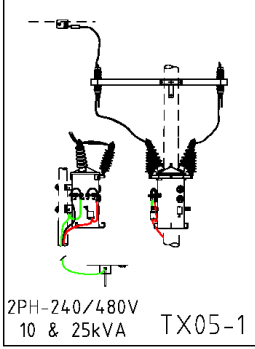
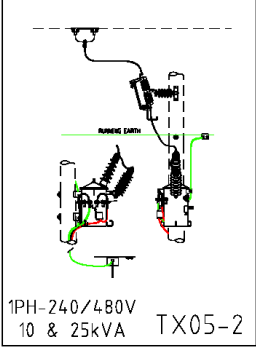
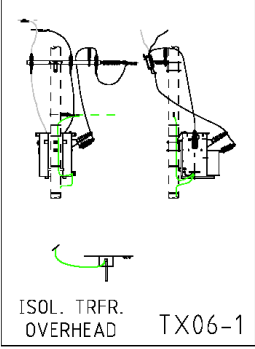
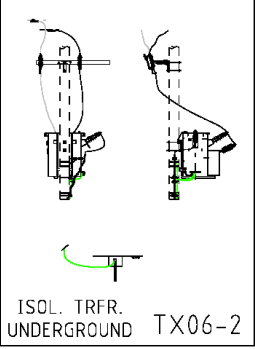
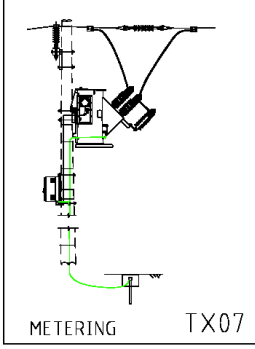
Revision Control		
Revision	Date	Description
7	20/10/2025	Addition of TX06 and updates to all TX drawings and CU's
6	2/07/2025	TX5 update
5	09/06/2025	Reviewed and updated

STAKEHOLDERS	
<i>The following positions shall be consulted if an update or review is required:</i>	
Asset Managers	Major Projects
Works Delivery Managers	Engineering & Project Services
Asset Services	All Other Key Groups outside of Operations

TRANSFORMER LIST

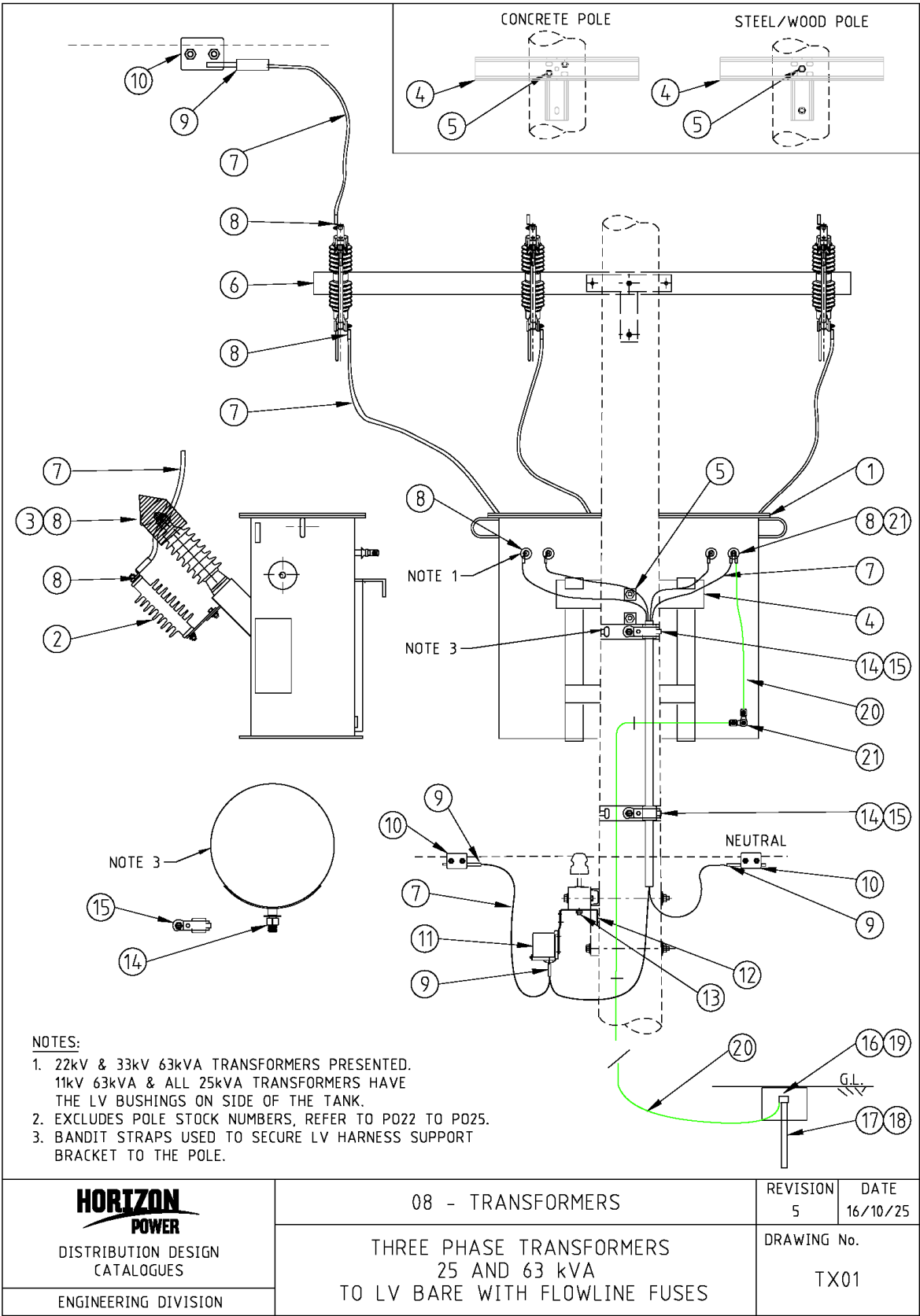
CU	CU DESCRIPTION
TX1 25/11	Transformer with bare LV 25 kVA 11 kV
TX1 25/22	Transformer with bare LV 25 kVA 22 kV
TX1 25/33	Transformer with bare LV 25 kVA 33 kV
TX1 63/11	Transformer with bare LV 63 kVA 6.6-11 kV
TX1 63/22	Transformer with bare LV 63 kVA 22 kV
TX1 63/33	Transformer with bare LV 63 kVA 33 kV
TX2 100/11 F	Transformer with bare LV 100 kVA 6.6-11 kV with fuse unit
TX2 100/22 F	Transformer with bare LV 100 kVA 22 kV with fuse unit
TX2 100/33 F	Transformer with bare LV 100 kVA 33 kV with fuse unit
TX2 200/11 F	Transformer with bare LV 200 kVA 6.6-11 kV with fuse unit
TX2 200/22 F	Transformer with bare LV 200 kVA 22 kV with fuse unit
TX2 200/33 F	Transformer with bare LV 200 kVA 33 kV with fuse unit
TX2 315/11 F	Transformer with bare LV 315 kVA 11 kV
TX2 315/22 F	Transformer with bare LV 315 kVA 22 kV
TX2 315/33 F	Transformer with bare LV 315 kVA 33 kV
TX3 10/11	Transformer only 10 kVA 6.6-11 kV 2 bushing
TX3 10/12.7	Transformer only 10 kVA 12.7 kV 1 bushing
TX3 10/19.1	Transformer only 10 kVA 19.1 kV 1 bushing
TX3 10/22B2	Transformer only 10 kVA 22 kV 2 bushing
TX3 25/11	Transformer only 25 kVA 6.6-11 kV 3 bushing
TX3 25/12.7	Transformer only 25 kVA 12.7 kV 1 bushing
TX3 25/19.1	Transformer only 25 kVA 19.1 kV 1 bushing
TX3 25/22	Transformer only 25 kVA 22 kV 3 bushing
TX3 25/22B2	Transformer only 25 kVA 22 kV 2 bushing
TX3 25/33	Transformer only 25 kVA 33 kV 3 bushing
TX3 25/33B2	Transformer only 25 kVA 33 kV 2 bushing
TX3 63/11	Transformer only 63 kVA 11 kV 3 bushing
TX3 63/22	Transformer only 63 kVA 22 kV 3 bushing
TX3 63/33	Transformer only 63 kVA 33 kV 3 bushing
TX3 100/11	Transformer only 100 kVA 6.6-11 kV 3 bushing
TX3 100/22	Transformer only 100 kVA 22 kV 3 bushing
TX3 100/33	Transformer only 100 kVA 33 kV 3 bushing
TX3 200/11	Transformer only 200 kVA 11 kV 3 bushing
TX3 200/22	Transformer only 200 kVA 22 kV 3 bushing
TX3 200/33	Transformer only 200 kVA 33 kV 3 bushing

<u>TX3 315/11</u>	Transformer only 315 kVA 11 kV 3 bushing
<u>TX3 315/22</u>	Transformer only 315 kVA 22 kV 3 bushing
<u>TX3 315/33</u>	Transformer only 315 kVA 33 kV 3 bushing
<u>TX4 25/11</u>	Transformer with LVABC 25 kVA 11 kV
<u>TX4 25/22</u>	Transformer with LVABC 25 kVA 22 kV
<u>TX4 25/33</u>	Transformer with LVABC 25 kVA 33 kV
<u>TX4 63/11</u>	Transformer with LVABC 63 kVA 11 kV
<u>TX4 63/22</u>	Transformer with LVABC 63 kVA 22 kV
<u>TX4 63/33</u>	Transformer with LVABC 63 kVA 33 kV
<u>TX4 100/11</u>	Transformer with LVABC 100 kVA 6.6-11 kV
<u>TX4 100/22</u>	Transformer with LVABC 100 kVA 22 kV
<u>TX4 100/33</u>	Transformer with LVABC 100 kVA 33 kV
<u>TX4 200/11</u>	Transformer with LVABC 200 kVA 6.6-11 kV
<u>TX4 200/22</u>	Transformer with LVABC 200 kVA 22 kV
<u>TX4 200/33</u>	Transformer with LVABC 200 kVA 33 kV
<u>TX4 315/11</u>	Transformer with LVABC 315 kVA 11 kV
<u>TX4 315/22</u>	Transformer with LVABC 315 kVA 22 kV
<u>TX4 315/33</u>	Transformer with LVABC 315 kVA 33 kV
<u>TX5 10/11B2</u>	Transformer 10 kVA 11 kV 1 phase 2 bushing 240 V
<u>TX5 10/11B2P</u>	Transformer 10 kVA 11 kV 1 phase 2 bushing 480 V
<u>TX5 10/22B2</u>	Transformer 10 kVA 22 kV 1 phase 2 bushing 240 V
<u>TX5 10/22B2P</u>	Transformer 10 kVA 22 kV 1 phase 2 bushing 480 V
<u>TX5 25/22B2</u>	Transformer 25 kVA 22 kV 1 phase 2 bushing 240 V
<u>TX5 25/22B2P</u>	Transformer 25 kVA 22 kV 1 phase 2 bushing 480 V
<u>TX5 10/19.1</u>	Transformer 10 kVA 19.1 kV 1 phase 1 bushing 240 V
<u>TX5 10/19.1P</u>	Transformer 10 kVA 19.1 kV 1 phase 1 bushing 480 V
<u>TX5 25/19.1</u>	Transformer 25 kVA 19.1 kV 1 phase 1 bushing 240 V
<u>TX5 25/19.1P</u>	Transformer 25 kVA 19.1 kV 1 phase 1 bushing 480 V
<u>TX6 200/33</u>	Isolation Transformer 200 kVA 33 kV/19.1 kV Overhead
<u>TX6 200/33C</u>	Isolation Transformer 200 kVA 33 kV/19.1 kV Underground
<u>TX7 22</u>	Pole top metering transformer outdoor 22 kV
<u>TX7 33</u>	Pole top metering transformer outdoor 33 kV

 BARE LV 25 & 63kVA TX01	 BARE LV 100kVA (FUSE) TX02-1	 BARE LV 200kVA (FUSE) TX02-2	 BARE LV 315kVA TX02-3	
 TRANSFORMERS ONLY TX03	 LV ABC 25/63/100kVA TX04-1	 LV ABC 200kVA TX04-2	 LV ABC 315kVA TX04-3	
 2PH-240/480V 10 & 25kVA TX05-1	 1PH-240/480V 10 & 25kVA TX05-2	 ISOL. TRFR. OVERHEAD TX06-1	 ISOL. TRFR. UNDERGROUND TX06-2	
 METERING TX07				
 DISTRIBUTION DESIGN CATALOGUES ENGINEERING DIVISION	08 - TRANSFORMERS		REVISION 5	DATE 16/10/25
	TRANSFORMER COMPATIBLE UNITS		DRAWING No. TX INDEX	

General Notes

Notes	Description
1	Surge arrestors to be secured using manufacturer's M12 Nuts and Washers. If none are supplied, alternatives to be used are: • AN2003 x 3 • AW3523 x 3
2	Recommended that concrete poles without the double hole arrangement as shown be replaced.
3	Krone Box (GS0111) is compatible with the below fuse link cartridges: • GF0512 (200A) – NH1 Fuse • GF1096 (200A) – NH2 Fuse
4	For parallel transformer configuration, select suitable fuse to accommodate full output from both transformers OR for sole use installations, select fuse size to suit CMD.



CU	CU DESCRIPTION
TX1_25/11	Transformer with bare LV 25 kVA 11 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0210	Transformer 25kVA, 6.6-11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	13	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	7	ea	
11	GF1801	Flowline fuse box	3	ea	
	GF1926	Flowline 63A 415V fuse link cartridge	3	ea	
	AB2863	Bolt M8 x 40mm	6	ea	
12	CB3054	Flowline fuse mounting bracket	1	ea	
13	AB4567	Bolt M12 x 150mm long for Multiple Flowline Bracket	1	ea	
14	CB3055	LV harness support bracket	2	ea	
15	CC0101	95 ABC clamp	2	ea	
16	CE0058	Earth rod clamp	1	ea	
17	CE0078	Earth coupling	3	ea	
18	CE0135	Earth rod	4	ea	1.4 m
19	CE0201	Earth box	1	ea	
20	EE1264	70sq mm Stranded copper	12	mtr	
21	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX1_25/22	Transformer with bare LV 25 kVA 22 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0215	Transformer 25kVA, 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer Hanger Cross-arm (Steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	13	ea	
10		Select Parallel groove (PG) Clamp to suit conduct Select from CN9	7	ea	
11	GF1801	Flowline fuse box	3	ea	
	GF1926	Flowline 63A 415V fuse link cartridge	3	ea	
	AB2863	Bolt M8 x 40mm	6	ea	
12	CB3054	Flowline fuse mounting bracket	1	ea	
13	AB4567	Bolt M12 x 150mm long for Multiple Flowline Bracket	1	ea	
14	CB3055	LV harness support bracket	2	ea	
15	CC0101	95 ABC clamp	2	ea	
16	CE0058	Earth rod clamp	1	ea	
17	CE0078	Earth coupling	3	ea	
18	CE0135	Earth rod	4	ea	1.4 m
19	CE0201	Earth box	1	ea	
20	EE1264	70sq mm Stranded copper	12	mtr	
21	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX1_25/33	Transformer with bare LV 25 kVA 33 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0220	Transformer 25kVA, 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	13	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	7	ea	
11	GF1801	Flowline fuse box	3	ea	
	GF1926	Flowline 63A 415V fuse link cartridge	3	ea	
	AB2863	Bolt M8 x 40mm	6	ea	
12	CB3054	Flowline fuse mounting bracket	1	ea	
13	AB4567	Bolt M12 x 150mm long for Multiple Flowline Bracket	1	ea	
14	CB3055	LV harness support bracket	2	ea	
15	CC0101	95 ABC clamp	2	ea	
16	CE0058	Earth rod clamp	1	ea	
17	CE0078	Earth coupling	3	ea	
18	CE0135	Earth rod	4	ea	1.4 m
19	CE0201	Earth box	1	ea	
20	EE1264	70sq mm Stranded copper	12	mtr	
21	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX1_63/11	Transformer with bare LV 63 kVA 11 kV

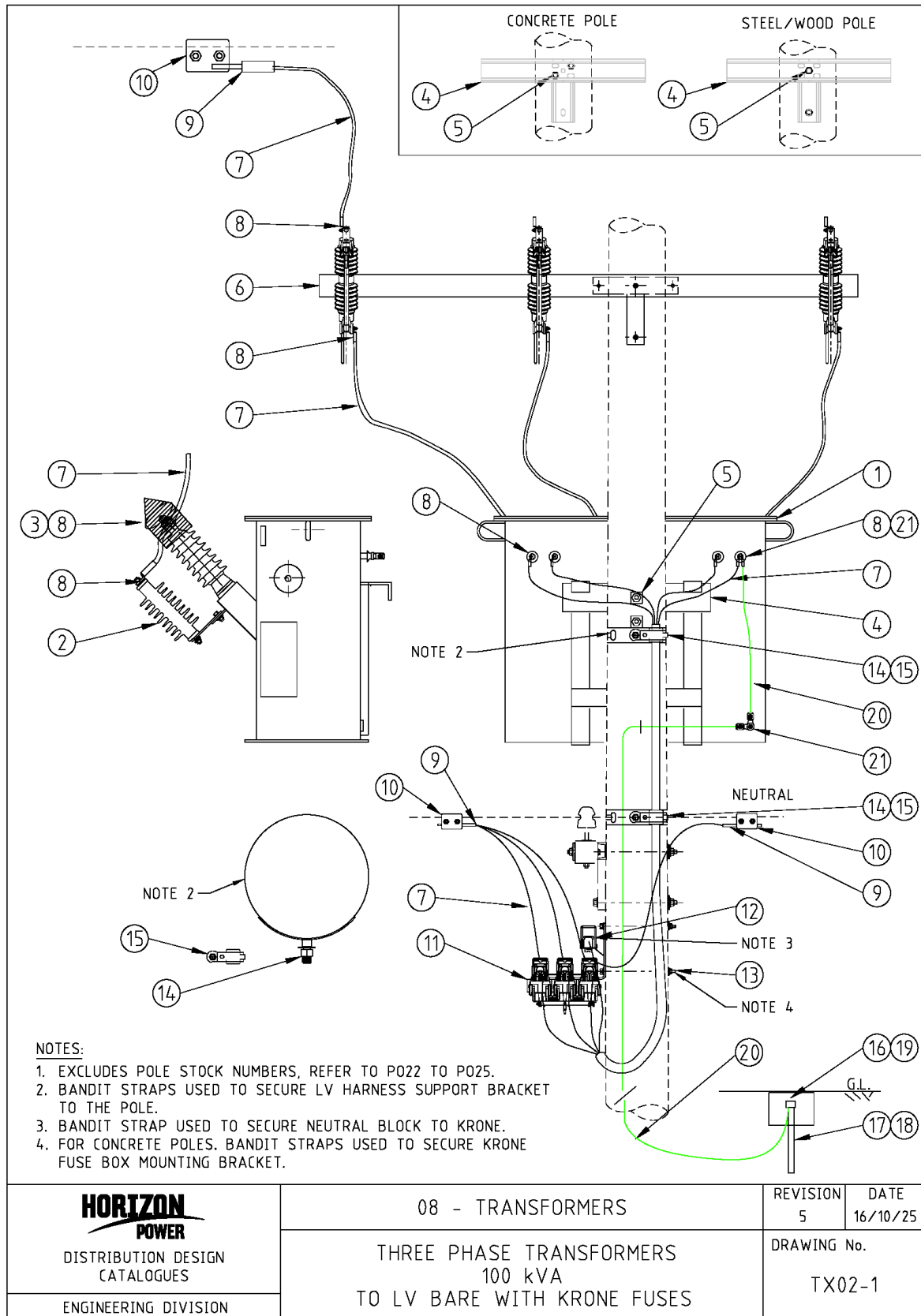
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1	XT0211	Transformer 63kVA, 11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (Steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	13	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	7	ea	
11	GF1801	Flowline fuse box	3	ea	
	GF1947	Flowline 100A 240/415V fuse link cartridge	3	ea	
	AB2863	Bolt M8 x 40mm	6	ea	
12	CB3054	Flowline fuse mounting bracket	1	ea	
13	AB4567	Bolt M12 x 150mm long for Multiple Flowline Bracket	1	ea	
14	CB3055	LV harness support bracket	2	ea	
15	CC0101	95 ABC clamp	2	ea	
16	CE0058	Earth rod clamp	1	ea	
17	CE0078	Earth coupling	3	ea	
18	CE0135	Earth rod	4	ea	1.4 m
19	CE0201	Earth box	1	ea	
20	EE1264	70sq mm Stranded copper	12	mtr	
21	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX1_63/22	Transformer with bare LV 63 kVA 22 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0216	Transformer 63kVA, 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	13	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	7	ea	
11	GF1801	Flowline fuse box	3	ea	
	GF1947	Flowline 100A 240/415V fuse link cartridge	3	ea	
	AB2863	Bolt M8 x 40mm	6	ea	
12	CB3054	Flowline fuse mounting bracket	1	ea	
13	AB4567	Bolt M12 x 150mm long for Multiple Flowline Bracket	1	ea	
14	CB3055	LV harness support bracket	2	ea	
15	CC0101	95 ABC clamp	2	ea	
16	CE0058	Earth rod clamp	1	ea	
17	CE0078	Earth coupling	3	ea	
18	CE0135	Earth rod	4	ea	1.4 m
19	CE0201	Earth box	1	ea	
20	EE1264	70sq mm Stranded copper	12	mtr	
21	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX1_63/33	Transformer with bare LV 63 kVA 33 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0221	Transformer 63kVA, 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	13	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	7	ea	
11	GF1801	Flowline fuse box	3	ea	
	GF1947	Flowline 100A 240/415V fuse link cartridge	3	ea	
	AB2863	Bolt M8 x 40mm	6	ea	
12	CB3054	Flowline fuse mounting bracket	1	ea	
13	AB4567	Bolt M12 x 150mm long for Multiple Flowline Bracket	1	ea	
14	CB3055	LV harness support bracket	2	ea	
15	CC0101	95 ABC clamp	2	ea	
16	CE0058	Earth rod clamp	1	ea	
17	CE0078	Earth coupling	3	ea	
18	CE0135	Earth rod	4	ea	1.4 m
19	CE0201	Earth box	1	ea	
20	EE1264	70sq mm Stranded copper	12	mtr	
21	FL1465	70sq mm M12 Lug copper	3	ea	



CU	CU DESCRIPTION
TX2_100/11_F	Transformer with bare LV 100 kVA 11 kV with fuse unit

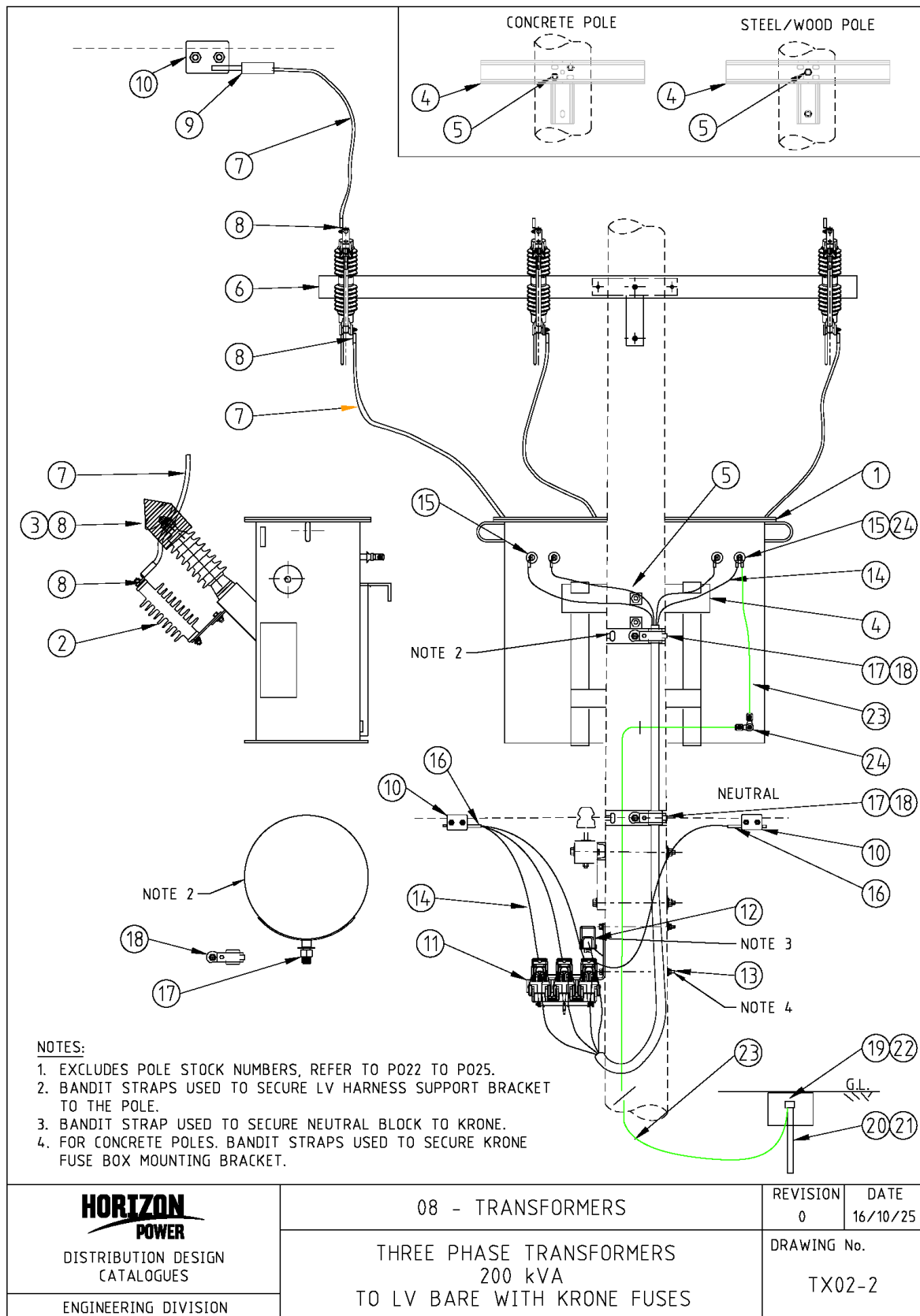
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0212	Transformer 100kVA 11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	15	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	7	ea	
11	GS0111	Fuse switch box	1	ea	Gen. Notes 3
	GF1096	Fuse link element 200A	3	ea	
12	GS0109	Neutral block with pole mounting bracket	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	CB3055	LV harness support bracket	2	ea	
15	CC0101	95 ABC clamp	2	ea	
16	CE0058	Earth rod clamp	1	ea	
17	CE0078	Earth coupling	3	ea	
18	CE0135	Earth rod	4	ea	1.4 m
19	CE0201	Earth box	1	ea	
20	EE1264	70sq mm Stranded copper	12	mtr	
21	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX2_100/22_F	Transformer with bare LV 100 kVA 22 kV with fuse unit

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0217	Transformer 100kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	15	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	7	ea	
11	GS0111 GF1096	Fuse switch box Fuse link element 200A	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	CB3055	LV harness support bracket	2	ea	
15	CC0101	95 ABC clamp	2	ea	
16	CE0058	Earth rod clamp	1	ea	
17	CE0078	Earth coupling	3	ea	
18	CE0135	Earth rod	4	ea	1.4 m
19	CE0201	Earth box	1	ea	
20	EE1264	70sq mm Stranded copper	12	mtr	
21	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX2_100/33_F	Transformer with bare LV 100 kVA 33 kV with fuse unit

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0222	Transformer 100kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (Steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	15	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	7	ea	
11	GS0111 GF1096	Fuse switch box Fuse link element 200A	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	CB3055	LV harness support bracket	2	ea	
15	CC0101	95 ABC clamp	2	ea	
16	CE0058	Earth rod clamp	1	ea	
17	CE0078	Earth coupling	3	ea	
18	CE0135	Earth rod	4	ea	1.4 m
19	CE0201	Earth box	1	ea	
20	EE1264	70sq mm Stranded copper	12	mtr	
21	FL1465	70sq mm M12 Lug copper	3	ea	



CU	CU DESCRIPTION
TX2_200/11_F	Transformer with bare LV 200 kVA 11 kV with fuse unit

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0213	Transformer 200kVA 6.6-11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
8	FL0401	Bi-metal lug 95 ABC	15	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	7	ea	
11	GS0111 GF1101	Fuse switch box Fuse link element 315A	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	FT0150	Lead 150 ABC 4 cores x 4m long	2	ea	
15	FL0402	Bi-metal lug 150 ABC	4	ea	
16		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	12	ea	
17	CB3055	LV harness support bracket	2	ea	
18	CC0110	150 ABC clamp	2	ea	
19	CE0058	Earth rod clamp	1	ea	
20	CE0078	Earth coupling	3	ea	
21	CE0135	Earth rod	4	ea	1.4 m
22	CE0201	Earth box	1	ea	
23	EE1264	70sq mm Stranded copper	12	mtr	
24	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX2_200/22_F	Transformer with bare LV 200 kVA 22 kV with fuse unit

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0218	Transformer 200kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
8	FL0401	Bi-metal lug 95 ABC	15	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	7	ea	
11	GS0111 GF1101	Fuse switch box Fuse link element 315A	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	FT0150	Lead 150 ABC 4 cores x 4m long	2	ea	
15	FL0402	Bi-metal lug 150 ABC	4	ea	
16		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	12	ea	
17	CB3055	LV harness support bracket	2	ea	
18	CC0110	150 ABC clamp	2	ea	
19	CE0058	Earth rod clamp	1	ea	
20	CE0078	Earth coupling	3	ea	
21	CE0135	Earth rod	4	ea	1.4 m
22	CE0201	Earth box	1	ea	
23	EE1264	70sq mm Stranded copper	12	mtr	
24	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX2_200/33_F	Transformer with bare LV 200 kVA 33 kV with fuse unit

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0223	Transformer 200kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
8	FL0401	Bi-metal lug 95 ABC	15	ea	
9	CJ0494	Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	7	ea	
11	GS0111	Fuse switch box	1	ea	Gen. Notes 3
	GF1101	Fuse link element 315A	3	ea	
12	GS0109	Neutral block with pole mounting bracket	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	FT0150	Lead 150 ABC 4 cores x 4m long	2	ea	
15	FL0402	Bi-metal lug 150 ABC	4	ea	
16		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	12	ea	
17	CB3055	LV harness support bracket	2	ea	
18	CC0110	150 ABC clamp	2	ea	
19	CE0058	Earth rod clamp	1	ea	
20	CE0078	Earth coupling	3	ea	
21	CE0135	Earth rod	4	ea	1.4 m
22	CE0201	Earth box	1	ea	
23	EE1264	70sq mm Stranded copper	12	mtr	
24	FL1465	70sq mm M12 Lug copper	3	ea	



CU	CU DESCRIPTION
TX2_315/11	Transformer with bare LV 315 kVA 11 kV

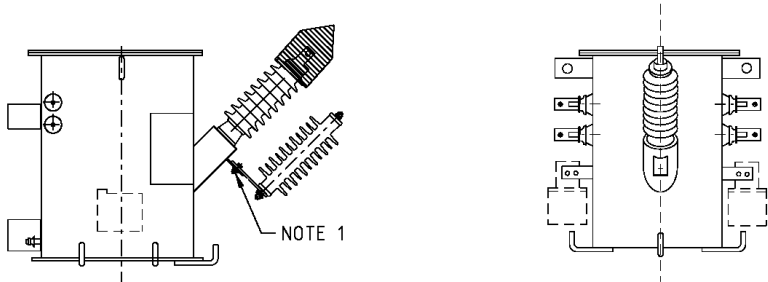
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0214	Transformer 315kVA 11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
8	FL0401	Bi-metal lug 95 ABC	15	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	11	ea	
11	GS0111 GF1101	Fuse switch box Fuse link element 315A	2 6	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	2	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	FT0150	Lead 150 ABC 4 cores x 4m long	4	ea	
15	FL0402	Bi-metal lug 150 ABC	8	ea	
16		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	24	ea	
17	CB3055	LV harness support bracket	2	ea	
18	CC0110	150 ABC clamp	4	ea	
19	CE0058	Earth rod clamp	1	ea	
20	CE0078	Earth coupling	3	ea	
21	CE0135	Earth rod	4	ea	1.4 m
22	CE0201	Earth box	1	ea	
23	EE1264	70sq mm Stranded copper	12	mtr	
24	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX2_315/22	Transformer with bare LV 315 kVA 22 kV

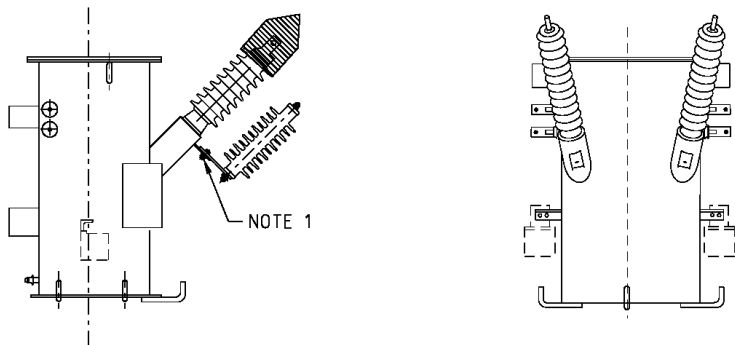
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0219	Transformer 315kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
8	FL0401	Bi-metal lug 95 ABC	15	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	11	ea	
11	GS0111 GF1101	Fuse switch box Fuse link element 315A	2 6	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	2	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	FT0150	Lead 150 ABC 4 cores x 4m long	2	ea	
15	FL0402	Bi-metal lug 150 ABC	8	ea	
16		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	24	ea	
17	CB3055	LV harness support bracket	2	ea	
18	CC0110	150 ABC clamp	4	ea	
19	CE0058	Earth rod clamp	1	ea	
20	CE0078	Earth coupling	3	ea	
21	CE0135	Earth rod	4	ea	1.4 m
22	CE0201	Earth box	1	ea	
23	EE1264	70sq mm Stranded copper	12	mtr	
24	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX2_315/33	Transformer with bare LV 315 kVA 33 kV

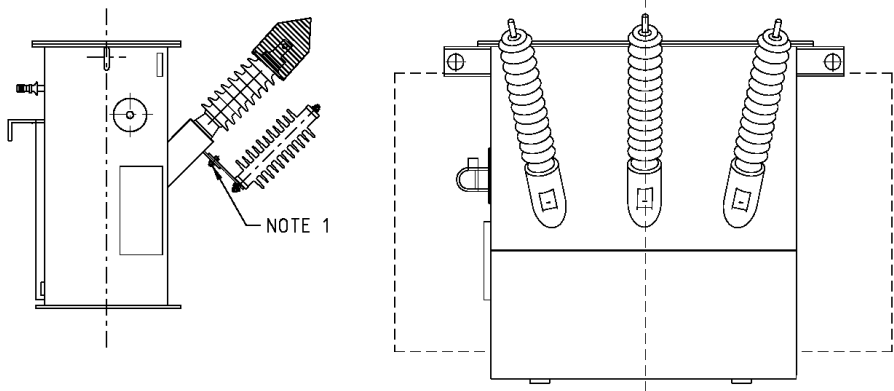
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0224	Transformer 315kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
8	FL0401	Bi-metal lug 95 ABC	15	ea	
9	CJ0494	Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	11	ea	
11	GS0111 GF1101	Fuse switch box Fuse link element 315A	2 6	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	2	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	FT0150	Lead 150 ABC 4 cores x 4m long	4	ea	
15	FL0402	Bi-metal lug 150 ABC	8	ea	
16		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	24	ea	
17	CB3055	LV harness support bracket	2	ea	
18	CC0110	150 ABC clamp	4	ea	
19	CE0058	Earth rod clamp	1	ea	
20	CE0078	Earth coupling	3	ea	
21	CE0135	Earth rod	4	ea	1.4 m
22	CE0201	Earth box	1	ea	
23	EE1264	70sq mm Stranded copper	12	mtr	
24	FL1465	70sq mm M12 Lug copper	3	ea	



SINGLE PHASE - ONE BUSHING



SINGLE PHASE - TWO BUSHING



THREE PHASE - THREE BUSHING

NOTES:
1. M12 BOLTS AND NUTS TO BE USED.

 DISTRIBUTION DESIGN CATALOGUES ENGINEERING DIVISION	08 - TRANSFORMERS	REVISION 4	DATE 16/10/25
	SINGLE & THREE PHASE TRANSFORMERS 10, 25, 63, 50, 100, 200 & 315 kVA	DRAWING No. TX03	

CU	CU DESCRIPTION
TX3_10/11	Transformer 10 kVA 11 kV 1 phase 2 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0202	Transformer 10kVA 11kV/250-500V	1	ea	
2	GA4055	Surge arrester 11kV Class A	2	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	2	ea	

CU	CU DESCRIPTION
TX3_10/12.7	Transformer 10 kVA 12.7 kV 1 phase 1 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0206	Transformer 10kVA 12.7kV/250-500V	1	ea	
2	GA4056	Surge arrester 22kV Class A	1	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	1	ea	

CU	CU DESCRIPTION
TX3_10/19.1	Transformer 10 kVA 19.1 kV 1 phase 1 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0208	Transformer 10kVA 19.1kV/250-500V	1	ea	
2	GA4057	Surge arrester 33kV Class A	1	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	1	ea	

CU	CU DESCRIPTION
TX3_10/22B2	Transformer 10 kVA 22 kV 1 phase 2 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0203	Transformer 10kVA 22kV/250-500V	1	ea	
2	GA4056	Surge arrester 22kV Class A	2	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	2	ea	

CU	CU DESCRIPTION
TX3_25/11	Transformer 25 kVA 11 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0210	Transformer 25kVA, 6.6-11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_25/12.7	Transformer 25 kVA 12.7 kV 1 phase 1 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0207	Transformer 25kVA 12.7kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	1	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	1	ea	

CU	CU DESCRIPTION
TX3_25/19.1	Transformer 25 kVA 19.1 kV 1 phase 1 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0209	Transformer 25kVA 19.1kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	1	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	1	ea	

CU	CU DESCRIPTION
TX3_25/22	Transformer 25 kVA 22 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0215	Transformer 25kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_25/22B2	Transformer 25 kVA 22 kV 1 phase 2 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0204	Transformer 25kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	2	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	2	ea	

CU	CU DESCRIPTION
TX3_25/33	Transformer 25 kVA 33 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0220	Transformer 25kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_25/33B2	Transformer 25 kVA 33 kV 1 phase 2 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0205	Transformer 25kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	2	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	2	ea	

CU	CU DESCRIPTION
TX3_63/11	Transformer 63 kVA 11 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0211	Transformer 63kVA 11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_63/22	Transformer 63 kVA 22 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0216	Transformer 63kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_63/33	Transformer 63 kVA 33 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0221	Transformer 63kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_100/11	Transformer 100 kVA 11 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0212	Transformer 100 kVA 6.6-11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_100/22	Transformer 100 kVA 22 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0217	Transformer 100 kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_100/33	Transformer 100 kVA 33 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0222	Transformer 100 kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_200/11	Transformer 200 kVA 11 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0213	Transformer 200kVA 6.6-11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_200/22	Transformer 200 kVA 22 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0218	Transformer 200kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_200/33	Transformer 200 kVA 33 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0223	Transformer 200kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_315/11	Transformer 315 kVA 11 kV 3 bushing

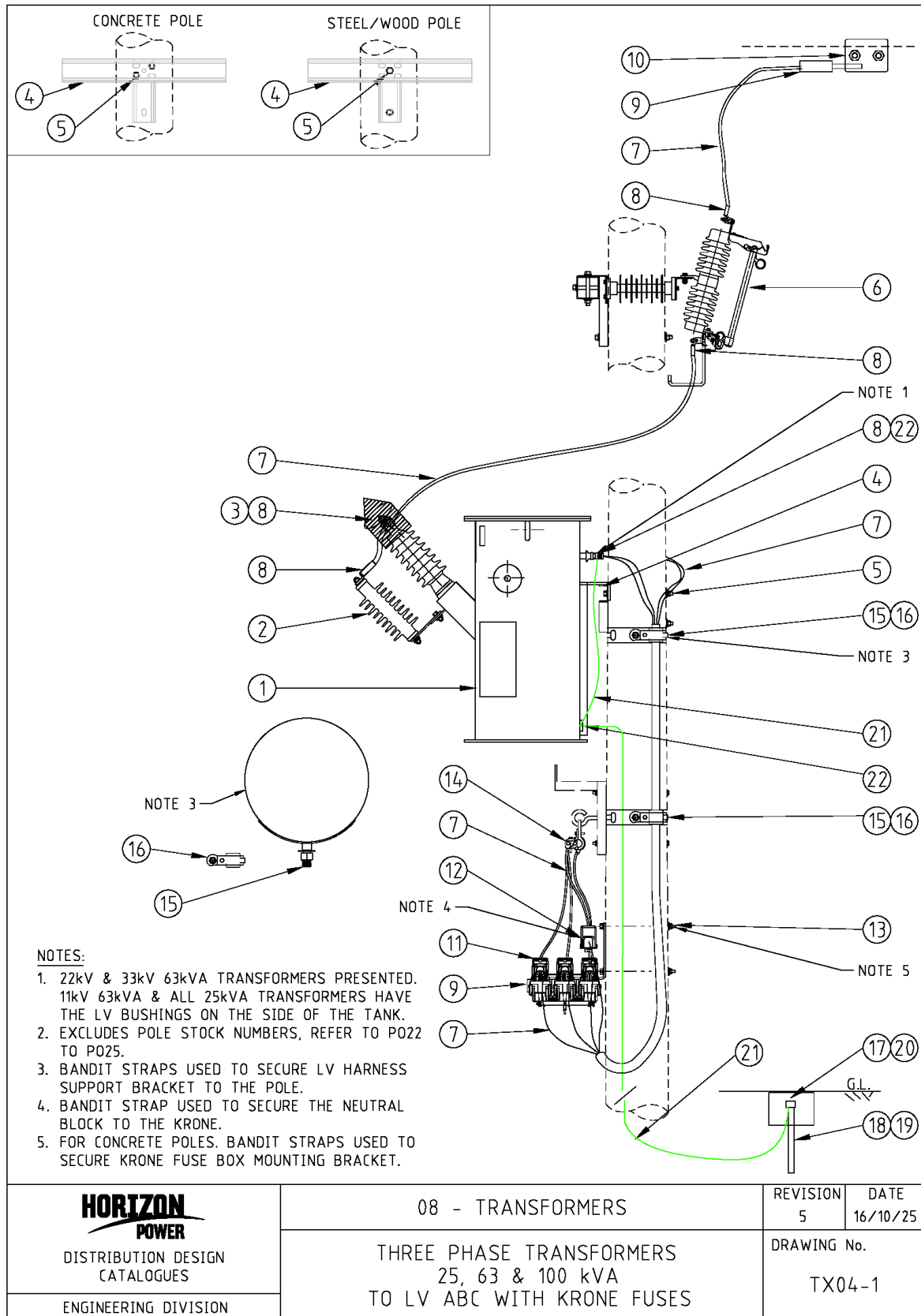
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0214	Transformer 315kVA 11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_315/22	Transformer 315 kVA 22 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0219	Transformer 315kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	

CU	CU DESCRIPTION
TX3_315/33	Transformer 315 kVA 33 kV 3 bushing

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0224	Transformer 315kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	



CU	CU DESCRIPTION
TX4_25/11	Transformer with LVABC 25 kVA 11 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0210	Transformer 25kVA 6.6-11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	11	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111	Fuse switch box	1	ea	Gen. Notes 3
	GF2130	Fuse link element 100A	3	ea	
12	GS0109	Neutral block	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14		Select Insulation piercing clamp (IPC) to suit ABC. Select from CN65	4	ea	
15	CB3055	LV harness support bracket	2	ea	
16	CC0101	95 ABC clamp	2	ea	
17	CE0058	Earth rod clamp	1	ea	
18	CE0078	Earth coupling	3	ea	
19	CE0135	Earth rod	4	ea	1.4 m
20	CE0201	Earth box	1	ea	
21	EE1264	70sq mm Stranded copper	12	mtr	
22	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX4_25/22	Transformer with LVABC 25 kVA 22 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0215	Transformer 25kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (Steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	11	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111 GF2130	Fuse switch box Fuse link element 100A	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14		Select Insulation piercing clamp (IPC) to suit ABC. Select from CN65	4	ea	
15	CB3055	LV harness support bracket	2	ea	
16	CC0101	95 ABC clamp	2	ea	
17	CE0058	Earth rod clamp	1	ea	
18	CE0078	Earth coupling	3	ea	
19	CE0135	Earth rod	4	ea	1.4 m
20	CE0201	Earth box	1	ea	
21	EE1264	70sq mm Stranded copper	12	mtr	
22	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX4_25/33	Transformer with LVABC 25 kVA 33 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0220	Transformer 25kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	11	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111 GF2130	Fuse switch box Fuse link element 100A	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14		Select Insulation piercing clamp (IPC) to suit ABC. Select from CN65	4	ea	
15	CB3055	LV harness support bracket	2	ea	
16	CC0101	95 ABC clamp	2	ea	
17	CE0058	Earth rod clamp	1	ea	
18	CE0078	Earth coupling	3	ea	
19	CE0135	Earth rod	4	ea	1.4 m
20	CE0201	Earth box	1	ea	
21	EE1264	70sq mm Stranded copper	12	mtr	
22	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX4_63/11	Transformer with LVABC 63 kVA 11 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0211	Transformer 63kVA 6.6-11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	11	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111 GF2130	Fuse switch box Fuse link element 100A	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14		Select Insulation piercing clamp (IPC) to suit ABC. Select from CN65	4	ea	
15	CB3055	LV harness support bracket	2	ea	
16	CC0101	95 ABC clamp	2	ea	
17	CE0058	Earth rod clamp	1	ea	
18	CE0078	Earth coupling	3	ea	
19	CE0135	Earth rod	4	ea	1.4 m
20	CE0201	Earth box	1	ea	
21	EE1264	70sq mm Stranded copper	12	mtr	
22	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX4_63/22	Transformer with LVABC 63 kVA 22 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0216	Transformer 63kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	11	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111 GF2130	Fuse switch box Fuse link element 100A	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14		Select Insulation piercing clamp (IPC) to suit ABC. Select from CN65	4	ea	
15	CB3055	LV harness support bracket	2	ea	
16	CC0101	95 ABC clamp	2	ea	
17	CE0058	Earth rod clamp	1	ea	
18	CE0078	Earth coupling	3	ea	
19	CE0135	Earth rod	4	ea	1.4 m
20	CE0201	Earth box	1	ea	
21	EE1264	70sq mm Stranded copper	12	mtr	
22	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX4_63/33	Transformer with LVABC 63 kVA 33 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0221	Transformer 63kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (Steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	11	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111 GF2130	Fuse switch box Fuse link element 100A	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14		Select Insulation piercing clamp (IPC) to suit ABC. Select from CN65	4	ea	
15	CB3055	LV harness support bracket	2	ea	
16	CC0101	95 ABC clamp	2	ea	
17	CE0058	Earth rod clamp	1	ea	
18	CE0078	Earth coupling	3	ea	
19	CE0135	Earth rod	4	ea	1.4 m
20	CE0201	Earth box	1	ea	
21	EE1264	70sq mm Stranded copper	12	mtr	
22	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX4_100/11	Transformer with LVABC 100 kVA 11 kV

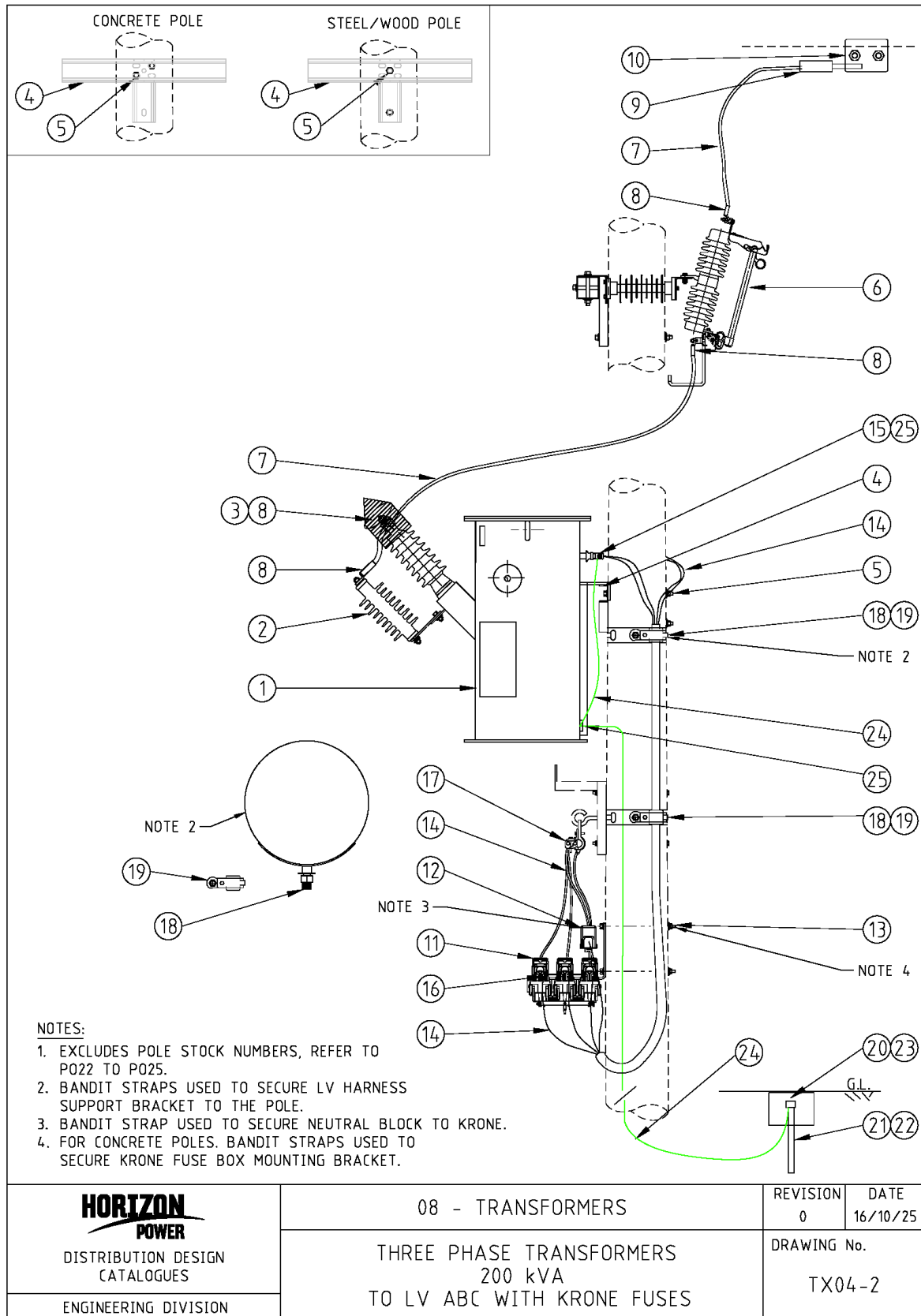
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0212	Transformer 100kVA 11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	11	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111 GF1096	Fuse switch box Fuse cartridge 200A	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14		Select Insulation piercing clamp (IPC) to suit ABC. Select from CN65	4	ea	
15	CB3055	LV harness support bracket	2	ea	
16	CC0101	95 ABC clamp	2	ea	
17	CE0058	Earth rod clamp	1	ea	
18	CE0078	Earth coupling	3	ea	
19	CE0135	Earth rod	4	ea	1.4 m
20	CE0201	Earth box	1	ea	
21	EE1264	70sq mm Stranded copper	12	mtr	
22	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX4_100/22	Transformer with LVABC 100 kVA 22 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0217	Transformer 100kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	11	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111	Fuse switch box	1	ea	Gen. Notes 3
	GF1096	Fuse cartridge 200A	3	ea	
12	GS0109	Neutral block with pole mounting bracket	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14		Select Insulation piercing clamp (IPC) to suit ABC. Select from CN65	4	ea	
15	CB3055	LV harness support bracket	2	ea	
16	CC0101	95 ABC clamp	2	ea	
17	CE0058	Earth rod clamp	1	ea	
18	CE0078	Earth coupling	3	ea	
19	CE0135	Earth rod	4	ea	1.4 m
20	CE0201	Earth box	1	ea	
21	EE1264	70sq mm Stranded copper	12	mtr	
22	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX4_100/33	Transformer with LVABC 100 kVA 33 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0222	Transformer 100kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	4	ea	
8	FL0401	Bi-metal lug 95 ABC	19	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	11	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111	Fuse switch box	1	ea	Gen. Notes 3
	GF1096	Fuse cartridge 200A	3	ea	
12	GS0109	Neutral block	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14		Select Insulation piercing clamp (IPC) to suit ABC. Select from CN65	4	ea	
15	CB3055	LV harness support bracket	2	ea	
16	CC0101	95 ABC clamp	2	ea	
17	CE0058	Earth rod clamp	1	ea	
18	CE0078	Earth coupling	3	ea	
19	CE0135	Earth rod	4	ea	1.4 m
20	CE0201	Earth box	1	ea	
21	EE1264	70sq mm Stranded copper	12	mtr	
22	FL1465	70sq mm M12 Lug copper	3	ea	



CU	CU DESCRIPTION
TX4_200/11	Transformer with LVABC 200 kVA 11 kV

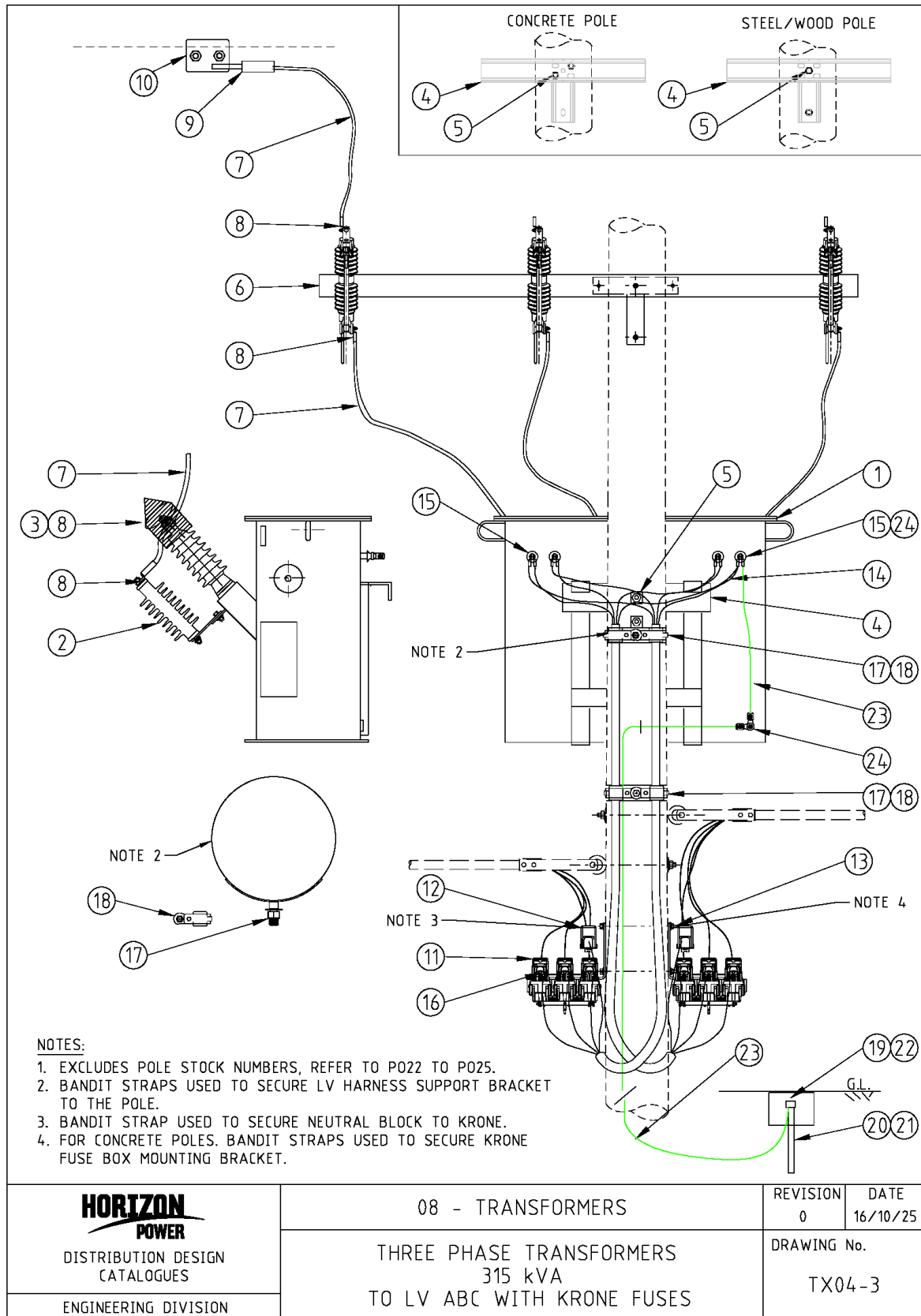
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0213	Transformer 200kVA 6.6-11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
8	FL0401	Bi-metal lug 95 ABC	15	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111 GF1101	Fuse switch box Fuse cartridge 315 amp	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	FT0150	Lead 150 ABC 4 cores x 4m long	2	ea	
15	FL0402	Bi-metal lug 150 ABC	4	ea	
16		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	8	ea	
17		Select Insulation piercing clamp (IPC) to suit ABC. Select from CN65	4	ea	
18	CB3055	LV harness support bracket	2	ea	
19	CC0110	150 ABC clamp	2	ea	
20	CE0058	Earth rod clamp	1	ea	
21	CE0078	Earth coupling	3	ea	
22	CE0135	Earth rod	4	ea	1.4 m
23	CE0201	Earth box	1	ea	
24	EE1264	70sq mm Stranded copper	12	mtr	
25	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX4_200/22	Transformer with LVABC 200 kVA 22 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0218	Transformer 200kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
8	FL0401	Bi-metal lug 95 ABC	15	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111 GF1101	Fuse switch box Fuse cartridge 315 amp	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	FT0150	Lead 150 ABC 4 cores x 4m long	2	ea	
15	FL0402	Bi-metal lug 150 ABC	4	ea	
16		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	8	ea	
17		Select Insulation piercing clamp (IPC) to suit ABC. Select from CN65	4	ea	
18	CB3055	LV harness support bracket	2	ea	
19	CC0110	150 ABC clamp	2	ea	
20	CE0058	Earth rod clamp	1	ea	
21	CE0078	Earth coupling	3	ea	
22	CE0135	Earth rod	4	ea	1.4 m
23	CE0201	Earth box	1	ea	
24	EE1264	70sq mm Stranded copper	12	mtr	
25	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX4_200/33	Transformer with LVABC 200 kVA 33 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0223	Transformer 200kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
8	FL0401	Bi-metal lug 95 ABC	15	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111 GF1101	Fuse switch box Fuse cartridge 315 amp	1 3	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	1	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	FT0150	Lead 150 ABC 4 cores x 4m long	2	ea	
15	FL0402	Bi-metal lug 150 ABC	4	ea	
16		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	8	ea	
17		Select Insulation piercing clamp (IPC) to suit ABC. Select from CN65	4	ea	
18	CB3055	LV harness support bracket	2	ea	
19	CC0110	150 ABC clamp	2	ea	
20	CE0058	Earth rod clamp	1	ea	
21	CE0078	Earth coupling	3	ea	
22	CE0135	Earth rod	4	ea	1.4 m
23	CE0201	Earth box	1	ea	
24	EE1264	70sq mm Stranded copper	12	mtr	
25	FL1465	70sq mm M12 Lug copper	3	ea	



CU	CU DESCRIPTION
TX4_315/11	Transformer with LVABC 315 kVA 11 kV

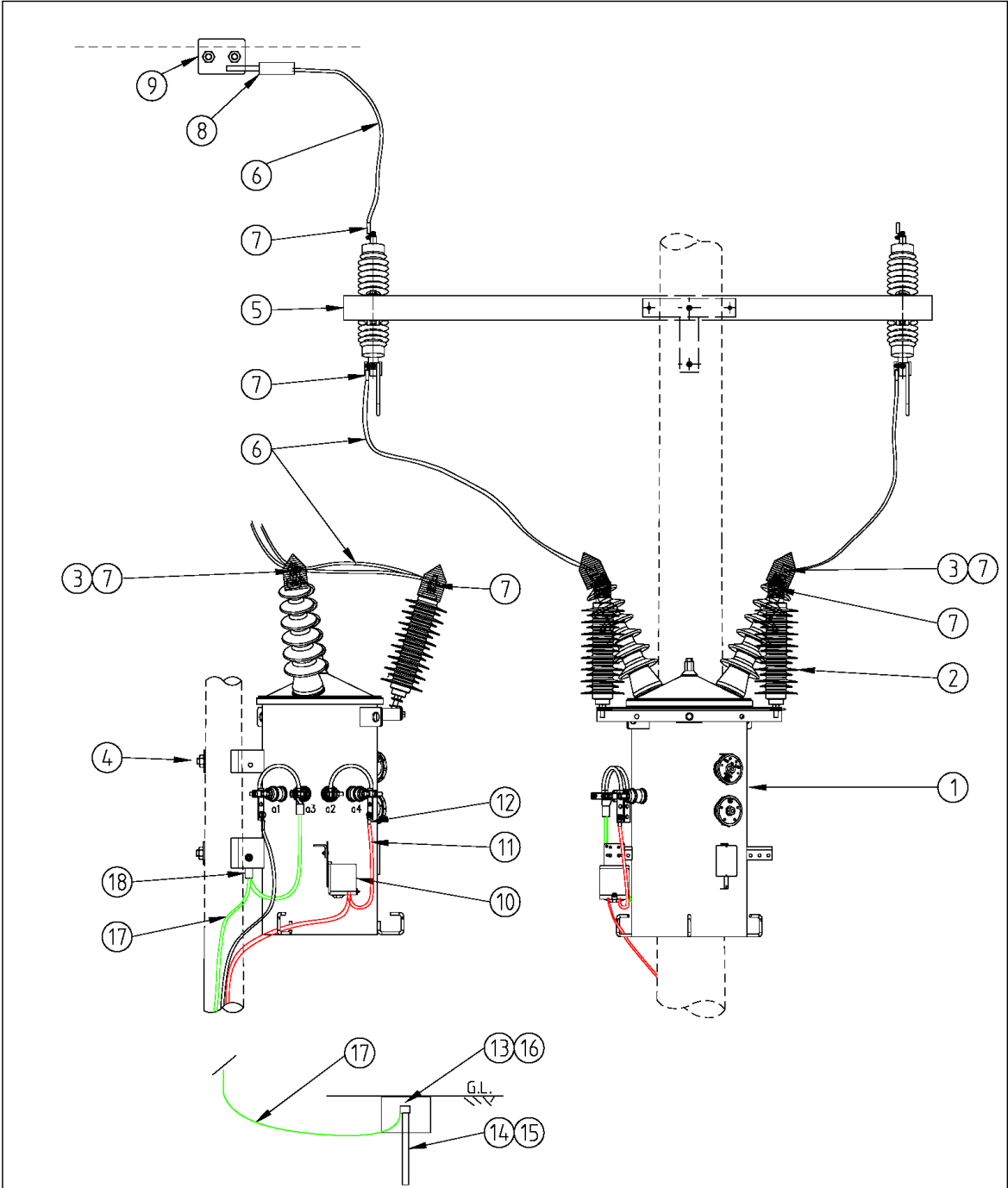
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0214	Transformer 315kVA 6.6-11kV/440V	1	ea	
2	GA4055	Surge arrester 11kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
8	FL0401	Bi-metal lug 95 ABC	15	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111 GF1101	Fuse switch box Fuse cartridge 315 amp	2 6	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	2	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	FT0150	Lead 150 ABC 4 cores x 4m long	2	ea	
15	FL0402	Bi-metal lug 150 ABC	8	ea	
16		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	16	ea	
17	CB3055	LV harness support bracket	2	ea	
18	CC0110	150 ABC clamp	4	ea	
19	CE0058	Earth rod clamp	1	ea	
20	CE0078	Earth coupling	3	ea	
21	CE0135	Earth rod	4	ea	1.4 m
22	CE0201	Earth box	1	ea	
23	EE1264	70sq mm Stranded copper	12	mtr	
24	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX4_315/22	Transformer with LVABC 315 kVA 22 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0219	Transformer 315kVA 22kV/440V	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
8	FL0401	Bi-metal lug 95 ABC	15	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111 GF1101	Fuse switch box Fuse cartridge 315 amp	2 6	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	2	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	FT0150	Lead 150 ABC 4 cores x 4m long	2	ea	
15	FL0402	Bi-metal lug 150 ABC	8	ea	
16		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	16	ea	
17	CB3055	LV harness support bracket	2	ea	
18	CC0110	150 ABC clamp	4	ea	
19	CE0058	Earth rod clamp	1	ea	
20	CE0078	Earth coupling	3	ea	
21	CE0135	Earth rod	4	ea	1.4 m
22	CE0201	Earth box	1	ea	
23	EE1264	70sq mm Stranded copper	12	mtr	
24	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX4_315/33	Transformer with LVABC 315 kVA 33 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0224	Transformer 315kVA 33kV/440V	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
8	FL0401	Bi-metal lug 95 ABC	15	ea	
9		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
10		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
11	GS0111 GF1101	Fuse switch box Fuse cartridge 315 amp	2 6	ea ea	Gen. Notes 3
12	GS0109	Neutral block with pole mounting bracket	2	ea	
13	AB6733	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
14	FT0150	Lead 150 ABC 4 cores x 4m long	2	ea	
15	FL0402	Bi-metal lug 150 ABC	8	ea	
16		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	16	ea	
17	CB3055	LV harness support bracket	2	ea	
18	CC0110	150 ABC clamp	4	ea	
19	CE0058	Earth rod clamp	1	ea	
20	CE0078	Earth coupling	3	ea	
21	CE0135	Earth rod	4	ea	1.4 m
22	CE0201	Earth box	1	ea	
23	EE1264	70sq mm Stranded copper	12	mtr	
24	FL1465	70sq mm M12 Lug copper	3	ea	



HORIZON POWER DISTRIBUTION DESIGN CATALOGUES ENGINEERING DIVISION	08 - TRANSFORMERS	REVISION 6	DATE 16/10/25
	SINGLE PHASE TRANSFORMERS 10 AND 25 kVA	DRAWING No.	
	DOUBLE BUSHING WITH FLOWLINE FUSES	TX05-1	

CU	CU DESCRIPTION
TX5_10/11B2	Transformer 10 kVA 11 kV 1 phase 2 bushing 240 V

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0202	Transformer 10kVA 6.6-11kV/250-500V	1	ea	
2	GA4055	Surge arrester 11kV Class A	2	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	2	ea	
4	AB6734	Pole bolt M16 x 300 mm long with nut and washers	2	ea	Gen. Notes 2
5		Select HV20_2PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
6	FT0095	Lead 95 ABC 4 cores x 4m long	1	ea	
7	FL0401	Bi-metal lug 95 ABC	10	ea	
8		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	2	ea	
9		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
10	GF1801 GF1947 AB2863	Flowline fuse box Flowline 100A 240/415V fuse link cartridge Bolt M8 x 40mm	1 1 1	ea ea ea	Gen. Notes 4
11	EE1126	16sq mm Transformer to Fuse LV Supply	1	mtr	
12	FL1430	16sq mm M12 Lug	2	ea	
13	CE0058	Earth rod clamp	1	ea	
14	CE0078	Earth coupling	3	ea	
15	CE0135	Earth rod	4	ea	1.4 m
16	CE0201	Earth box	1	ea	
17	EE1264	70sq mm Stranded copper	15	mtr	
18	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX5_10/11B2P	Transformer 10 kVA 11 kV 1 phase 2 bushing 480 V

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0202	Transformer 10kVA 6.6-11kV/250-500V	1	ea	
2	GA4055	Surge arrester 11kV Class A	2	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	2	ea	
4	AB6734	Pole bolt M16 x 300 mm long with nut and washers	2	ea	Gen. Notes 2
5		Select HV20_2PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
6	FT0095	Lead 95 ABC 4 cores x 4m long	1	ea	
7	FL0401	Bi-metal lug 95 ABC	10	ea	
8		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	2	ea	
9		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
10	GF1801 GF1947 AB2863	Flowline fuse box Flowline 100A 240/415V fuse link cartridge Bolt M8 x 40mm	2 2 2	ea ea ea	Gen. Notes 4
11	EE1126	16sq mm Transformer to Fuse LV Supply	2	mtr	
12	FL1430	16sq mm M12 Lug	3	ea	
13	CE0058	Earth rod clamp	1	ea	
14	CE0078	Earth coupling	3	ea	
15	CE0135	Earth rod	4	ea	1.4 m
16	CE0201	Earth box	1	ea	
17	EE1264	70sq mm Stranded copper	15	mtr	
18	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX5_10/22B2	Transformer 10 kVA 22 kV 1 phase 2 bushing 240 V

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0203	Transformer 10kVA 22kV/250-500V	1	ea	
2	GA4056	Surge arrester 22kV Class A	2	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	2	ea	
4	AB6734	Pole bolt M16 x 300 mm long with nut and washers	2	ea	Gen. Notes 2
5		Select HV20_2PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
6	FT0095	Lead 95 ABC 4 cores x 4m long	1	ea	
7	FL0401	Bi-metal lug 95 ABC	10	ea	
8		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	2	ea	
9		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
10	GF1801 GF1947 AB2863	Flowline fuse box Flowline 100A 240/415V fuse link cartridge Bolt M8 x 40mm	1 1 1	ea ea ea	Gen. Notes 4
11	EE1126	16sq mm Transformer to Fuse LV Supply	1	mtr	
12	FL1430	16sq mm M12 Lug	2	ea	
13	CE0058	Earth rod clamp	1	ea	
14	CE0078	Earth coupling	3	ea	
15	CE0135	Earth rod	4	ea	1.4 m
16	CE0201	Earth box	1	ea	
17	EE1264	70sq mm Stranded copper	15	mtr	
18	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX5_10/22B2P	Transformer 10 kVA 22 kV 1 phase 2 bushing 480 V

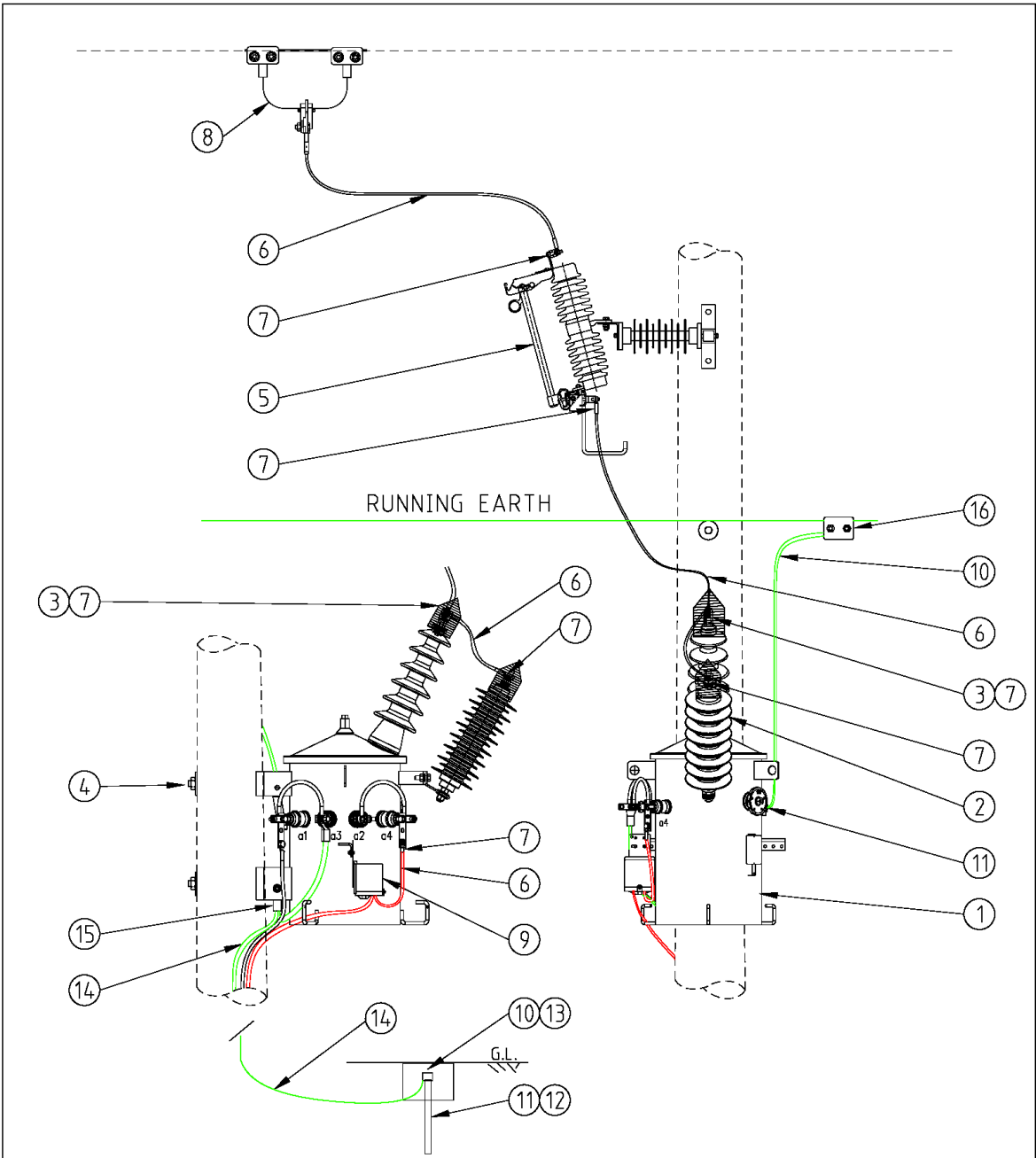
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0203	Transformer 10kVA 22kV/250-500V	1	ea	
2	GA4056	Surge arrester 22kV Class A	2	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	2	ea	
4	AB6734	Pole bolt M16 x 300 mm long with nut and washers	2	ea	Gen. Notes 2
5		Select HV20_2PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
6	FT0095	Lead 95 ABC 4 cores x 4m long	1	ea	
7	FL0401	Bi-metal lug 95 ABC	10	ea	
8		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	2	ea	
9		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
10	GF1801 GF1947 AB2863	Flowline fuse box Flowline 100A 240/415V fuse link cartridge Bolt M8 x 40mm	2 2 2	ea ea ea	Gen. Notes 4
11	EE1126	16sq mm Transformer to Fuse LV Supply	2	mtr	
12	FL1430	16sq mm M12 Lug	3	ea	
13	CE0058	Earth rod clamp	1	ea	
14	CE0078	Earth coupling	3	ea	
15	CE0135	Earth rod	4	ea	1.4 m
16	CE0201	Earth box	1	ea	
17	EE1264	70sq mm Stranded copper	15	mtr	
18	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX5_25/22B2	Transformer 25 kVA 22 kV 1 phase 2 bushing 240 V

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0204	Transformer 25kVA 22kV/250-500V	1	ea	
2	GA4056	Surge arrester 22kV Class A	2	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	2	ea	
4	AB6734	Pole bolt M16 x 300 mm long with nut and washers	2	ea	Gen. Notes 2
5		Select HV20_2PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
6	FT0095	Lead 95 ABC 4 cores x 4m long	1	ea	
7	FL0401	Bi-metal lug 95 ABC	10	ea	
8		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	2	ea	
9		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
10	GF1801 GF1947 AB2863	Flowline fuse box Flowline 100A 240/415V fuse link cartridge Bolt M8 x 40mm	1 1 1	ea ea ea	Gen. Notes 4
11	EE1126	16sq mm Transformer to Fuse LV Supply	1	mtr	
12	FL1430	16sq mm M12 Lug	2	ea	
13	CE0058	Earth rod clamp	1	ea	
14	CE0078	Earth coupling	3	ea	
15	CE0135	Earth rod	4	ea	1.4 m
16	CE0201	Earth box	1	ea	
17	EE1264	70sq mm stranded copper conductor	15	mtr	
18	FL1465	70sq mm M12 Lug copper	3	ea	

CU	CU DESCRIPTION
TX5_25/22B2P	Transformer 25 kVA 22 kV 1 phase 2 bushing 480 V

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0204	Transformer 25kVA 22kV/250-500V	1	ea	
2	GA4056	Surge arrester 22kV Class A	2	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	2	ea	
4	AB6734	Pole bolt M16 x 300 mm long with nut and washers	2	ea	Gen. Notes 2
5		Select HV20_2PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
6	FT0095	Lead 95 ABC 4 cores x 4m long	1	ea	
7	FL0401	Bi-metal lug 95 ABC	10	ea	
8		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	2	ea	
9		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
10	GF1801 GF1947 AB2863	Flowline fuse box Flowline 100A 240/415V fuse link cartridge Bolt M8 x 40mm	2 2 2	ea ea ea	Gen. Notes 4
11	EE1126	16sq mm Transformer to Fuse LV Supply	2	mtr	
12	FL1430	16sq mm M12 Lug	3	ea	
13	CE0058	Earth rod clamp	1	ea	
14	CE0078	Earth coupling	3	ea	
15	CE0135	Earth rod	4	ea	1.4 m
16	CE0201	Earth box	1	ea	
17	EE1264	70sq mm stranded copper conductor	15	mtr	
18	FL1465	70sq mm M12 Lug copper	3	ea	



- NOTES:
- 1. EXCLUDES POLE STOCK NUMBERS, REFER TO P022 TO P025.
 - 2. REFER TO EITHER A0-1 OR L0-1 FOR PARALLELING OF TRANSFORMERS OR 480V LV CONNECTIONS.

HORIZON POWER DISTRIBUTION DESIGN CATALOGUES ENGINEERING DIVISION	08 - TRANSFORMERS	REVISION 5	DATE 16/10/25
	SINGLE PHASE TRANSFORMERS 10 AND 25 kVA SINGLE BUSHING WITH FLOWLINE FUSES	DRAWING No. TX05-2	

CU	CU DESCRIPTION
TX5_10/19.1	Transformer 10 kVA 19.1 kV 1 phase 1 bushing 240 V

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0208	Transformer 10kVA 19.1kV/250-500V	1	ea	
2	GA4057	Surge Arrester 33kV Class A	1	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	1	ea	
4	AB6734	Pole bolt M16 x 300 mm long with nut and washers	2	ea	Gen. Notes 2
5		Select HV53_3 for Drop-out Fuse base and from HV51 for Fuse link	1	ea	Item 8 to increase by 2
6	EE1126	16sq mm Transformer connections to Fuse LV Supply and Drop out Fuse (if installed)	3	mtr	
7	FL1430	16sq mm M12 Lug copper	5	ea	
8		Select from CN30 for Stirrup Clamp to suit conductor	1	ea	
9	GF1801 GF1947 AB2863	Flowline fuse box Flowline 100A 240/415V fuse link cartridge Bolt M8 x 40mm	1 1 1	ea ea ea	Gen. Notes 4
10	CE0058	earth rod clamp	1	ea	
11	CE0078	earth coupling	3	ea	
12	CE0135	earth rod	4	ea	1.4 m
13	CE0201	earth box	1	ea	
14	EE1264	70sq mm stranded copper conductor	15	mtr	
15	FL1465	70sq mm M12 Lug copper	4	ea	Tx Earth
16		Select Parallel groove (PG) Clamp to suit the running earth conductor. Select from CN9	1	ea	

CU	CU DESCRIPTION
TX5_10/19.1P	Transformer 10 kVA 19.1 kV 1 phase 1 bushing 480 V

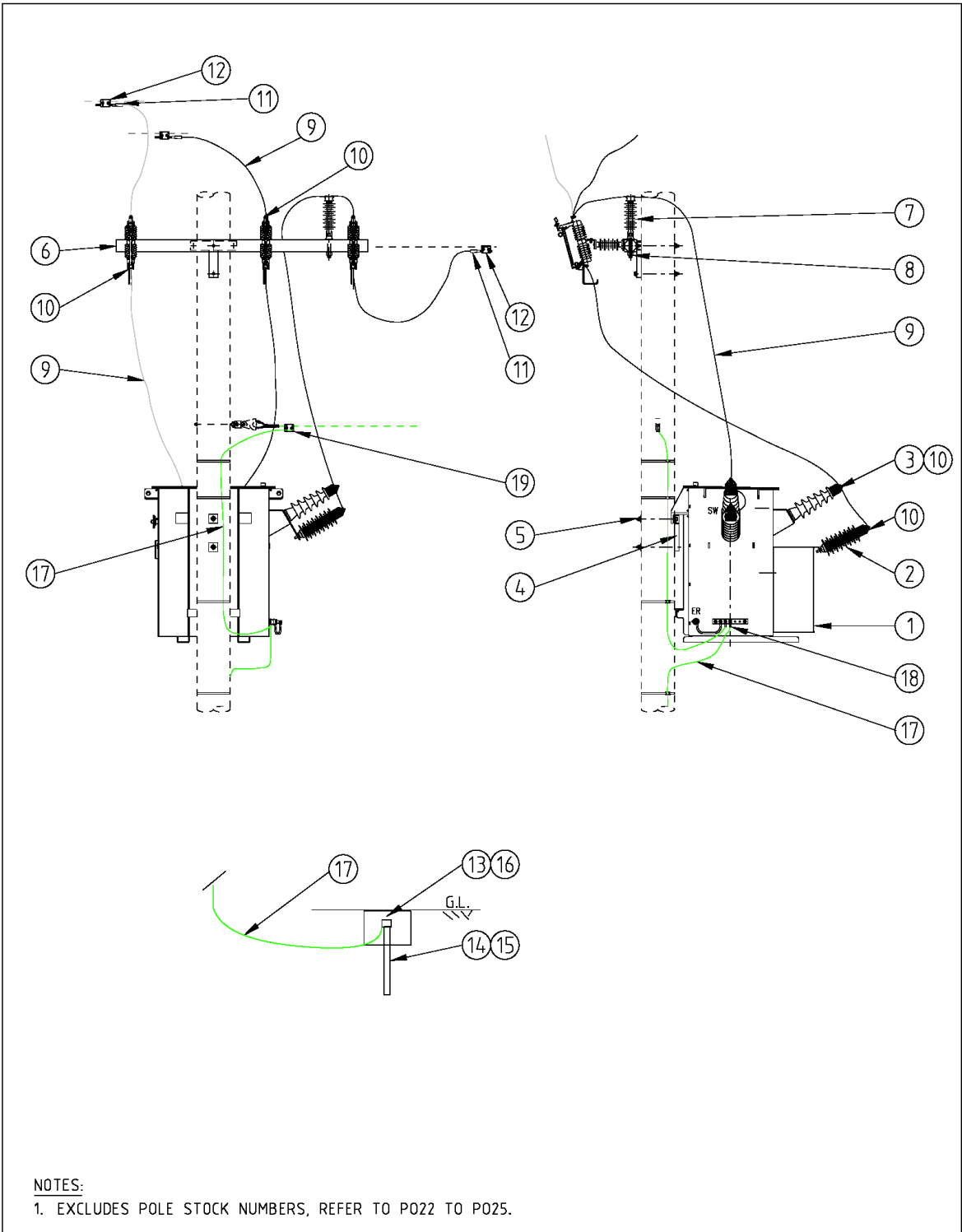
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0208	Transformer 10kVA 19.1kV/250-500V	1	ea	
2	GA4057	Surge arrester 33kV Class A	1	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	1	ea	
4	AB6734	Pole bolt M16 x 300 mm long with nut and washers	2	ea	Gen. Notes 2
5		Select HV53_3 for Drop-out Fuse base and from HV51 for Fuse link	1	ea	Item 8 to increase by 2
6	EE1126	16sq mm Transformer connections to Fuse LV Supply and Drop out Fuse (if installed)	4	mtr	
7	FL1430	16sq mm M12 Lug copper	6	ea	
8		Select from CN30 for Stirrup Clamp to suit conductor	1	ea	
9	GF1801 GF1947 AB2863	Flowline fuse box Flowline 100A 240/415V fuse link cartridge Bolt M8 x 40mm	2 2 2	ea ea ea	Gen. Notes 4
10	CE0058	Earth rod clamp	1	ea	
11	CE0078	Earth coupling	3	ea	
12	CE0135	Earth rod	4	ea	1.4 m
13	CE0201	Earth box	1	ea	
14	EE1264	70sq mm stranded copper conductor	15	mtr	
15	FL1465	70sq mm M12 Lug copper	4	ea	
16		Select Parallel groove (PG) Clamp to suit running earth conductor. Select from CN9	1	ea	

CU	CU DESCRIPTION
TX5_25/19.1	Transformer 25 kVA 19.1 kV 1 phase 1 bushing 240 V

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0209	Transformer 25kVA 19.1kV/250-500V	1	ea	
2	GA4057	Surge arrester 33kV Class A	1	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	1	ea	
4	AB6734	Pole bolt M16 x 300 mm long with nut and washers	2	ea	Gen. Notes 2
5		Select HV53_3 for Drop-out Fuse base and from HV51 for Fuse link	1	ea	Item 8 to increase by 2
6	EE1126	16sq mm Transformer connections to Fuse LV Supply and Drop out Fuse (if installed)	3	mtr	
7	FL1430	16sq mm M12 Lug copper	5	ea	
8		Select from CN30 for Stirrup Clamp to suit conductor	1	ea	
9	GF1801 GF1947 AB2863	Flowline fuse box Flowline 100A 240/415V fuse link cartridge Bolt M8 x 40mm	1 1 1	ea ea ea	Gen. Notes 4
10	CE0058	Earth rod clamp	1	ea	
11	CE0078	Earth coupling	3	ea	
12	CE0135	Earth rod	4	ea	1.4 m
13	CE0201	Earth box	1	ea	
14	EE1264	70sq mm stranded copper conductor	15	mtr	
15	FL1465	70sq mm M12 Lug copper	4	ea	
16		Select Parallel groove (PG) Clamp to suit running earth conductor. Select from CN9	1	ea	

CU	CU DESCRIPTION
TX5_25/19.1P	Transformer 25 kVA 19.1 kV 1 phase 1 bushing 480 V

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0209	Transformer 25kVA 19.1kV/250-500V	1	ea	
2	GA4057	Surge arrester 33kV Class A	1	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	1	ea	
4	AB6734	Pole bolt M16 x 300 mm long with nut and washers	2	ea	Gen. Notes 2
5		Select HV53_3 for Drop-out Fuse base and from HV51 for Fuse link	1	ea	Item 8 to increase by 2
6	EE1126	16sq mm Transformer connections to Fuse LV Supply and Drop out Fuse (if installed)	4	mtr	
7	FL1430	16sq mm M12 Lug copper	6	ea	
8		Select from CN30 for Stirrup Clamp to suit conductor	1	ea	
9	GF1801 GF1947 AB2863	Flowline fuse box Flowline 100A 240/415V fuse link cartridge Bolt M8 x 40mm	2 2 2	ea ea ea	Gen. Notes 4
10	CE0058	Earth rod clamp	1	ea	
11	CE0078	Earth coupling	3	ea	
12	CE0135	Earth rod	4	ea	1.4 m
13	CE0201	Earth box	1	ea	
14	EE1264	70sq mm stranded copper conductor	15	mtr	
15	FL1465	70sq mm M12 Lug copper	4	ea	
16		Select Parallel groove (PG) Clamp to suit running earth conductor. Select from CN9	1	ea	

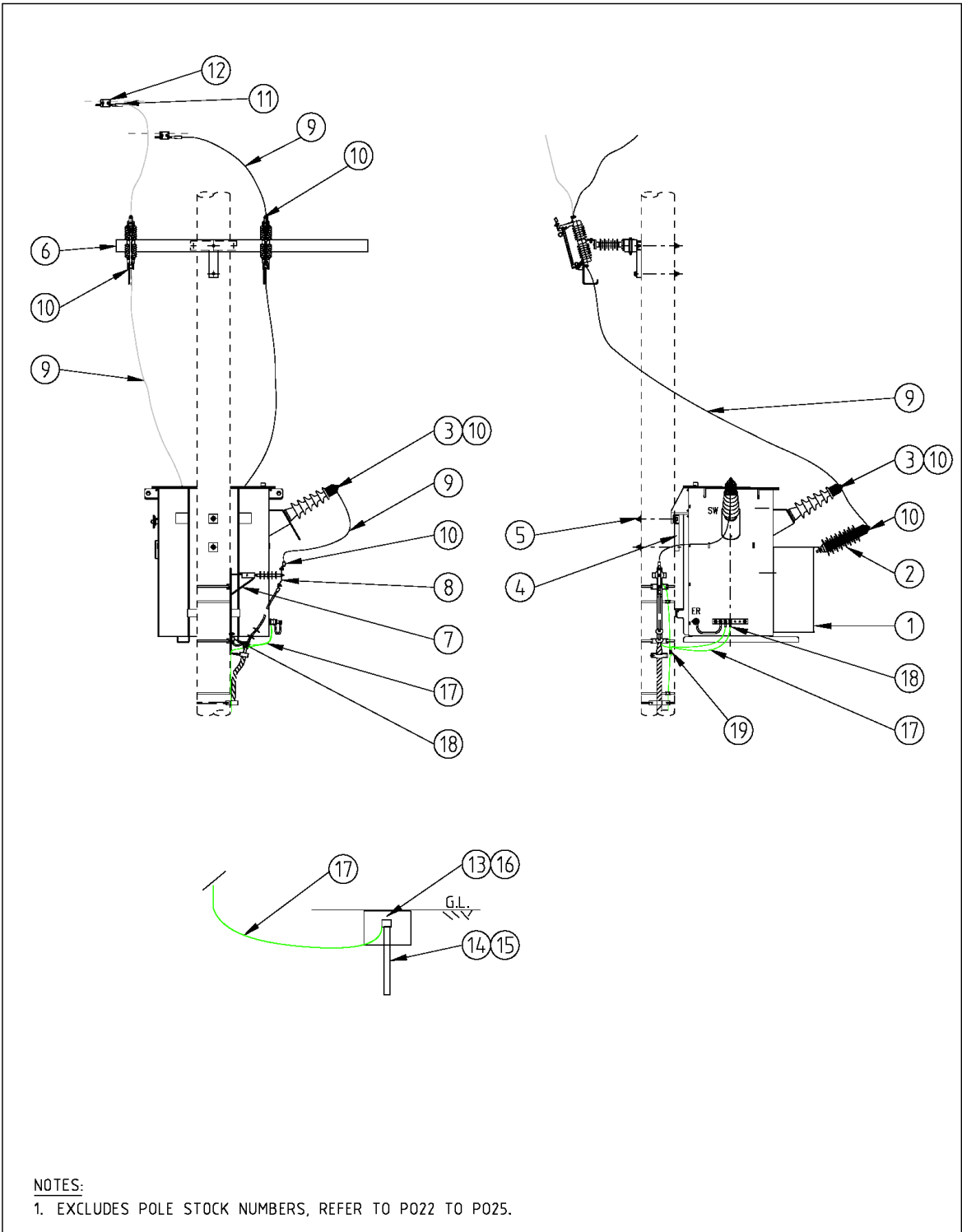


NOTES:
1. EXCLUDES POLE STOCK NUMBERS, REFER TO P022 TO P025.

HORIZON POWER DISTRIBUTION DESIGN CATALOGUES ENGINEERING DIVISION	08 - TRANSFORMERS	REVISION 0	DATE 16/10/25
	ISOLATION TRANSFORMERS 200 kVA WITH POST INSULATOR FOR OVERHEAD	DRAWING No. TX06-1	

CU	CU DESCRIPTION
TX6_200/33	Isolation Transformer 200 kVA 33 kV

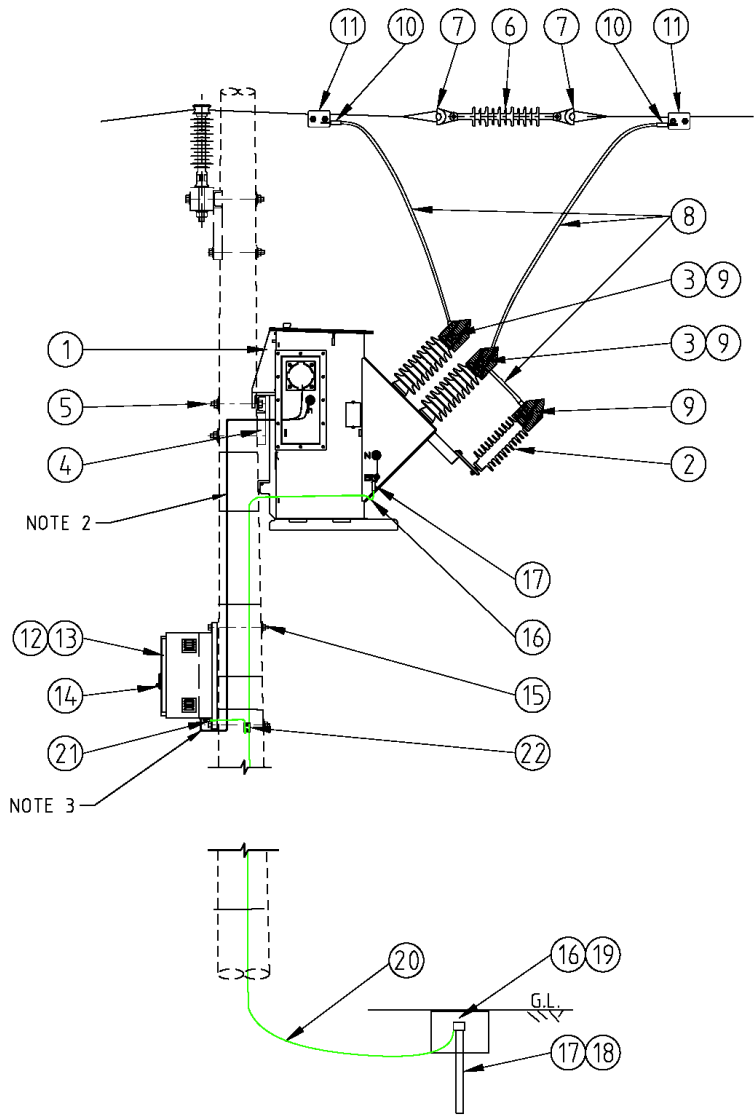
ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0228	Isolation Transformer 200kVA 33/19.1kV	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	IC0086	Stand-off insulator, tie top 33kV, Raychem	1	ea	
8	AB4822	Insulator stud M24, 173mm long	1	ea	
9	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
10	FL0401	Bi-metal lug 95 ABC	15	ea	
11		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
12		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
13	CE0058	Earth rod clamp	1	ea	
14	CE0078	Earth coupling	3	ea	
15	CE0135	Earth rod	4	ea	1.4 m
16	CE0201	Earth box	1	ea	
17	EE1264	70sq mm Stranded copper	12	mtr	
18	FL1465	70sq mm M12 Lug copper	3	ea	
19	CC0130	Parallel-grove clamp Cu-Cu (6sqmm – 70sqmm)	1	ea	



HORIZON POWER DISTRIBUTION DESIGN CATALOGUES ENGINEERING DIVISION	08 - TRANSFORMERS	REVISION 0	DATE 16/10/25
	ISOLATION TRANSFORMERS 200 kVA WITH CABLE BRACKET FOR UNDERGROUND	DRAWING No. TX06-2	

CU	CU DESCRIPTION
TX6_200/33C	Isolation Transformer 200 kVA 33 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XT0228	Isolation Transformer 200kVA 33/19.1kV	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	3	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6		Select HV20_3PH for Drop-out Fuse X-arm and from HV51 for Fuse link	1	ea	
7	CB3017	Cable bracket	1	ea	
8	GF2134	Connector plate	1	ea	
9	FT0095	Lead 95 ABC 4 cores x 4m long	2	ea	
10	FL0401	Bi-metal lug 95 ABC	12	ea	
11		Splice 95 ABC to suit conductor and PG clamp. Select from CN69 or CN70	3	ea	
12		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	3	ea	
13	CE0058	Earth rod clamp	1	ea	
14	CE0078	Earth coupling	3	ea	
15	CE0135	Earth rod	4	ea	1.4 m
16	CE0201	Earth box	1	ea	
17	EE1264	70sq mm Stranded copper	12	mtr	
18	FL1465	70sq mm M12 Lug copper	3	ea	
19	CC0130	Parallel-grove clamp Cu-Cu (6sqmm – 70sqmm)	1	ea	



- NOTES:
- 1. EXCLUDES POLE STOCK NUMBERS, REFER TO P022 TO P025.
 - 2. METERING TRANSFORMER COMES SUPPLIED WITH 16m OF 4mm² 13 CORE, CABLE WITHIN 32mm FLEXIBLE STEEL CONDUIT.
 - 3. NICKEL PLATED BRASS GLAND (32mm) MAY BE REQUIRED TO TERMINATE 32mm FLEXIBLE STEEL CONDUIT ONTO METERING CUBICLE.

HORIZON POWER DISTRIBUTION DESIGN CATALOGUES ENGINEERING DIVISION	08 - TRANSFORMERS	REVISION 5	DATE 16/10/25
	THREE PHASE METERING (CT/VT) UNITS WITH POLE MOUNTED CUBICLE	DRAWING No. TX07	

CU	CU DESCRIPTION
TX7_22	Pole top metering outdoor 22 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XA2429	Metering transformer w/secondary cable	1	ea	
2	GA4056	Surge arrester 22kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	6	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6	IC0041	Strain insulator	3	ea	
7		Select termination to suit conductor termination. Select from CN1-4	6	ea	
8	FT0150	Lead 150 ABC 4 cores x 4m long	2	ea	
9	FL0402	Bi-metal lug 150 ABC	12	ea	
10		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	6	ea	
11		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	6	ea	
12	FBH0830	Metering cubicle	1	ea	
13	HZ3333	Metering panel (single meter)	1	ea	
14	OH0194	Padlock – new restricted profile mast	1	ea	
15	AB6732	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
16	CE0058	Earth rod clamp	1	ea	
17	CE0078	Earth coupling	3	ea	
18	CE0135	Earth rod	4	ea	1.4 m
19	CE0201	Earth box	1	ea	
20	EE1264	70sq mm Stranded copper	14	mtr	
21	FL1465	70sq mm M12 Lug copper	2	ea	
22	CC0130	Parallel-groove clamp Cu-Cu (6sqmm – 70sqmm)	1	ea	

CU	CU DESCRIPTION
TX7_33	Pole top metering outdoor 33 kV

ITEM NUMBER	STOCK NUMBER	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	XA2431	Metering transformer w/secondary cable	1	ea	
2	GA4057	Surge arrester 33kV Class A	3	ea	Gen. Notes 1
3	GT0353	Transformer HV bushing wildlife cover	6	ea	
4	CB0112	Transformer hanger cross-arm (steel)	1	ea	
5	AB6737	Pole bolt M20 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
6	IC0041	Strain insulator	3	ea	
7		Select termination to suit conductor termination. Select from CN1-4	6	ea	
8	FT0150	Lead 150 ABC 4 cores x 4m long	2	ea	
9	FL0402	Bi-metal lug 150 ABC	12	ea	
10		Splice 150 ABC to suit conductor and PG clamp. Select from CN69 or CN70	6	ea	
11		Select Parallel groove (PG) Clamp to suit conductor. Select from CN9	6	ea	
12	FBH0830	Metering cubicle	1	ea	
13	HZ3333	Metering panel (single meter)	1	ea	
14	OH0194	Padlock – new restricted profile mast	1	ea	
15	AB6732	Pole bolt M16 x 400 mm long with nut and washers	2	ea	Gen. Notes 2
16	CE0058	Earth rod clamp	1	ea	
17	CE0078	Earth coupling	3	ea	
18	CE0135	Earth rod	4	ea	1.4 m
19	CE0201	Earth box	1	ea	
20	EE1264	70sq mm Stranded copper conductor	14	mtr	
21	FL1465	70sq mm Terminal lug M12	1	ea	
22	CC0130	Parallel-grove clamp Cu-Cu (6sqmm – 70sqmm)	1	ea	

REVISION INFORMATION

(Informative) Horizon Power has endeavoured to provide standards of the highest quality and would appreciate notification if any errors are found or even queries raised.

Each Standard makes use of its own comment sheet which is maintained throughout the life of the standard, which lists all comments made by stakeholders regarding the standard.

The document **DM# 2152535** can be used to record any errors or queries found in or pertaining to this standard, which can then be addressed whenever the standard gets reviewed.

Date	Rev No.	Notes
	0	Western Power Supplied
01/07/2009	1	Original Horizon Power issue
01/01/2012	2	Change Document Control
21/01/2014	3	Index List - TX4_63/11 added TX1 Drawing - Bolt connection for Concrete, Steel and Wood added - Transformer harness bracket with bandit straps added - Notes 2 and 3 added - Item (21) removed - Dimensions removed TX1 List - Item (21) removed TX2 Sht 1 Drawing - Bolt connection for Concrete, Steel and Wood added - Transformer harness bracket with bandit straps added - Notes 1 and 2 added - Dimensions removed TX2 Sht 2 Drawing - Bolt connection for Concrete, Steel and Wood added - Transformer harness bracket with bandit straps added - Notes 1 and 2 added - Dimensions removed TX3 Drawing - Item (2) refers to surge arrestor - Item (3) refers to Transformer bushing cover - Notes 1 added TX3 List - Item (1) split into items (1) and (2) - Item (2) changed to item (3) TX4 Drawing - Bolt connection for Concrete, Steel and Wood added - Transformer harness bracket with bandit straps added - Notes 1, 2, 3 and 4 added - Dimensions removed TX5 Sht 1 Drawing - Notes 1 added - Items (19), (20), (21) and (22) added TX5 Sht 2 Drawing - Notes 1 added - Secondary Wiring connects redrawn TX5 List - Item numbers rearranged - Items (19), (20), (21) and (22) added

		TX7 Drawing - Notes 1 added - Items rearranged TX7 List - Item numbers rearranged - Items (15) changed to Transformer bushing clamp
16/02/2024	4	Drawings updated Index List - Index table added. - TX7 updated. - Drawing updated TX1 Drawing - Items (6) removed. - Drawing updated TX2 Drawing - Items (6) removed. - Drawing updated TX4 Drawing - Items (6) removed. - Drawing updated TX5 Drawings - Items (11) removed. - TX5-1 Drawing updated TX7 Drawing - Updated Metering Unit drawing - Updated Metring control cubicle - Numbers adjusted. - REF. 1 removed and included into the CU List (Item23) - New items added (Items 20-23) - Drawing updated Stock code changes All Compatible Units (CUs) - CC0138 to CN9 - CE0055 to CE0058 - GT0351 to GT0353 - XT0008 to XT0210 - XT0030 to XT0215 - XT0141 to XT0221 - XT0143 to XT0211 - XT0140 to XT0216 - XT0010 to XT0213 - XT0018 to XT0206 - XT0020 to XT0207 - XT0022 to XT0208 - XT0024 to XT0209 - XT0026 to XT0203 - XT0029 to XT0204 - XT0032 to XT0217 - XT0033 to XT0218 - XT0035 to XT0220 - XT0038 to XT0222 - XT0040 to XT0205 - XT0143 to XT0211 - XT0181 to XT0224 - XT0182 to XT0219 - XT0184 to XT0214 - GA4000 to GA4054

		- GA4001 to GA4055 - GA4002 to GA4056 - GA4003 to GA4057
		Stock Code GS0055 to GS0062 - TX2_100/11_D - TX2_100/22_D - TX2_100/33_D - TX2_200/6_D - TX2_200/11_D - TX2_200/22_D - TX2_200/33_D
		Stock Code FC0101 to CN30 - TX5_10/19.1 - TX5_10/19.1P - TX5_25/19.1 - TX5_25/19.1P
		Stock Code CT0011 to CN1-4 TX 7
		Stock Code FB0831 to HZN3333 TX 7
		Stock Code CC0300 removed - TX1 - TX2 - TX4 - TX5 - TX7
		Stock Code FL0401 and FL0402 quantities updated - TX1 - TX2 - TX4 - TX5 - TX7
		Stock code FT0095 quantity updated - TX1_25/11 - TX1_25/22 - TX1_25/33
		Stock code CJ0492 name and quantity updated - TX1_25/11 - TX1_25/22 - TX1_25/33 - TX1_63/11 - TX1_63_22 - TX1_63_33
		Stock code CJ0494 removed and replaced with "Select from CN69 or CN70" - TX1_25/11 - TX1_25/22 - TX1_25/33 - TX1_63/11 - TX1_63/22 - TX1_63/33 - TX4_25/6 - TX4_25/11 - TX4_25/22 - TX4_25/33 - TX4_63/11 - TX4_63/22

		- TX4_63/33 - TX4_100/11 - TX4_100/22 - TX4_100/33 - TX4_200/6 - TX4_200/11 - TX4_200/22 - TX4_200/33 Stock code GC7846 and GC7872 added - TX7 Stock code EE1128 and GS0109 removed - TX1 Surge arrester stock codes GA4055, GA4056, GA4057 - Remark added " REF. 3 of Index Table" Stock codes under TX5 - Added stock code FL1465 - Changed EE1126 to EE1437 - Changed EE1205 to EE1264 - Removed stock code GF1510 - Removed stock code FT0001 - Added stock code FL1430 (Single Phase – 1 Bushing Txs only) Stock codes under TX5 – Single Phase 1 Bushing - Changed EE1126 QTY from 1 to 3 mtrs - Added stock code FL1430 (Single Phase – 1 Bushing Txs only) - Removed Stock codes - FT0095 - CJ0494 - FL0401
10/06/2025	5	Index List - CUs Removed - TX2_200/6_F - TX3_25/6 - TX3_63/6 - TX3_200/6 - TX3_315/6 - TX4_25/6 - TX4_200/6 - Index Drawing updated TX1 Drawing - Item (23) added - TX1_2 drawing updated TX2 Drawing - Item (22) added - TX2_2 drawing updated TX3 Drawing - TX3_1 drawing updated TX4 Drawing - Item (26) added - TX4_2 drawing updated TX5 Drawing - Item (24 & 25) added - TX5-1_3 drawing updated - TX5-2_3 drawing updated TX7 Drawing - TX7_3 drawing updated
02/07/2025	6	Updated TX5 Item 6: changed stock code FL0142 to FL1430
20/10/2025	7	Transformer List – added TX6/33 & TX6/33C

	Updated TX Index drawing – new TX02/2, TX02/3, TX04/2, TX04/3, TX05/2, TX06/1 & TX06/2 Index Table – changed references around TX01 drawing – renumbered items and update notes TX01 lists – renumbered items TX02/1 drawing – renumbered items and update notes TX02/2 new drawing 200kVA TX02/3 new drawing 315kVA TX02 lists – renumbered items TX03 drawing – change arrangement TX04/1 drawing – renumbered items and update notes TX04/2 new drawing 200kVA TX04/3 new drawing 315kVA TX04 lists – renumbered items TX05/1 drawing – renumbered items, remove single bushing and update notes TX05 lists – renumbered items TX05/2 drawing – changed for single bushing as per sheet 1 TX06/1 & TX06/2 new drawing TX06 new lists TX07/1 drawing – renumbered items and update notes TX07 lists – renumbered items
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