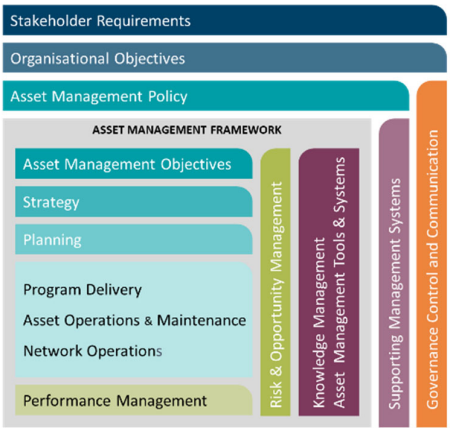
Western Power's
Asset Management System



Distribution Design Catalogue
Low Voltage Underground
Section 11 (LU)

Original Issue: June 2004

Content Owner/Custodian: Distribution Design and Standards

This Revision: December 2025

Date for Next Review: April 2028

© Western Power
ABN 18540492861

Uncontrolled document when printed. Printed copy expires one week from print date.

Volt ID ID-005-91cc6a7102c7cea8f0c298d959a4cc6e

Document control

Endorsement approvals

	Name	Title	Signature and Date
Compiled by	Nory Cerrado	Distribution Draftsperson	Signature on file
Checked by	Chris Omodei	Principal Engineer	Signature on file
Endorsed by	Ken Tiong	Team Leader	Signature on file
Approved by	Pep Ngwenya	Distribution Design & Standards Manager	Signature on file

Record of revisions

Revision No.	Date	Version	Compiled by	Description
1	07/04/2025	EDM 16	Nory Cerrado	First Revision with new Format and 3 yearly review
2	14/07/2025	Volt 17	Nory Cerrado	Refer to Amendment List
3	20/10/2025	Volt 19	Nory Cerrado	Refer to Amendment List
4	15/12/2025	Volt 20	Nory Cerrado	Refer to Amendment List

This document gives direction to and influences the following documents.

Doc	Title of document
ALL CHAPTERS	DDC - DISTRIBUTION DESIGN CATALOGUE
ALL CHAPTERS	DCSH - DISTRIBUTION CONSTRUCTION STANDARD HANDBOOK
ALL CHAPTERS	DSPM - DISTRIBUTION SUBSTATION PLANT MANUAL

Stakeholders (people that were consulted when document was updated)

Business Unit / Function
Asset Management - Asset Performance
Asset Management – Safety Environment Quality and Training
Asset Management - Grid Transformation
Asset Operations – Network Operations
Asset Operations – Operational Services
Asset Operations – Customer Connection Services
Business and Customer Service – Customer Service

Notification list (people to be notified when document is updated)

Business Unit / Function
Asset Management - Asset Performance
Asset Management – Safety Environment Quality and Training
Asset Management - Grid Transformation
Asset Operations – Network Operations
Asset Operations – Operational Services
Asset Operations – Customer Connection Services

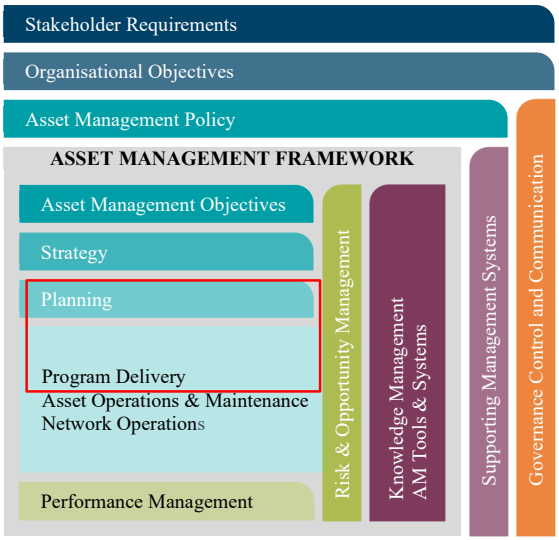
This document must not be made available to personnel outside Western Power without the prior written approval of Western Power.

Document classification and hierarchy

A key requirement of the Western Power Asset Management Policy (AMP) is to develop and maintain an Asset Management System (AMS). This Distribution Substation Plant Manual is defined as a technical document within the AMS document classification and structure and sits within the planning and Program Delivery components of the AMS.

The AMS and the interrelationships between the collection of documents, tools and systems that are used for asset management are described in the AMS document Volt ID

ID-005-dc7f342fed83eb7f008777ff0463b876.



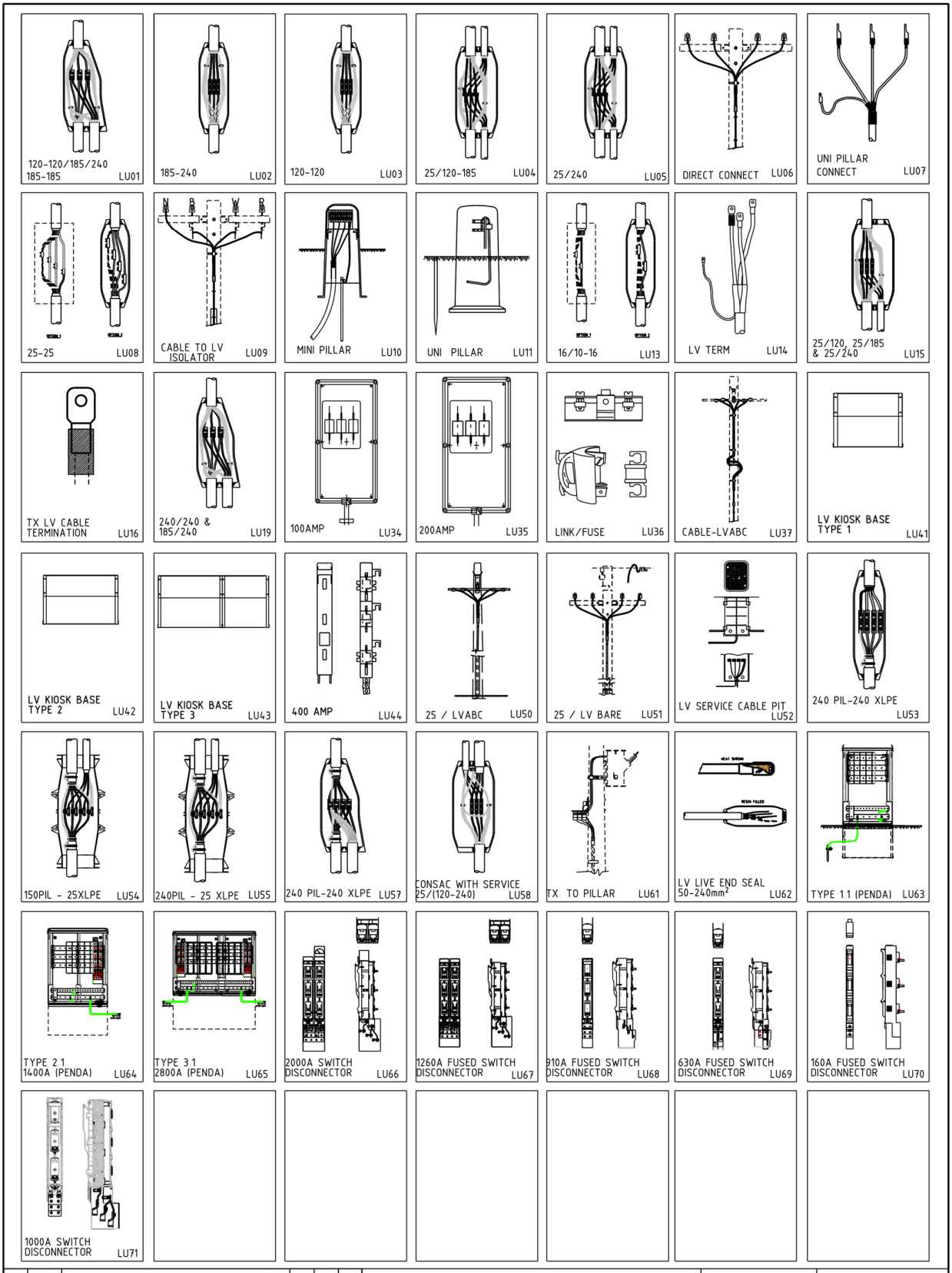
Revision List

For drawing revisions please refer to the DDC Amendment list Volt ID

ID-005-8398a186f48cf17cb12618586aa61cb0

© Copyright of Western Power

Any use of this material except in accordance with a written agreement with Western Power is prohibited.



REV	DATE	DESCRIPTION	ORGD	CHKD	APRD
L	08 12 25	LU12 DELETED MULTIPLE UPDATES	NG	VAS	CO
K	29 11 23	LU38 TO 40 AND LU45 - 49 DWG & CU DESC DELETED	TCM	SL	CO
J	12 12 18	MULTIPLE UPDATES	CO	FK	GS
H	30 10 18	LU08 & LU13 INDEX REVISED	CO	NMc	GS
G	16 01 17	LU33 INDEX REVISED	CO	JC	GS
F	30 06 15	ITEM LU62 ADDED	REE	REE	GS

COMPATIBLE UNIT

LU COMPATIBLE UNITS

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN JRR | DATE 15-04-2014 | DRG No LU INDEX

ORIGINATED | SCALE NTS

CHECKED REE

APPROVED GRANT STACY

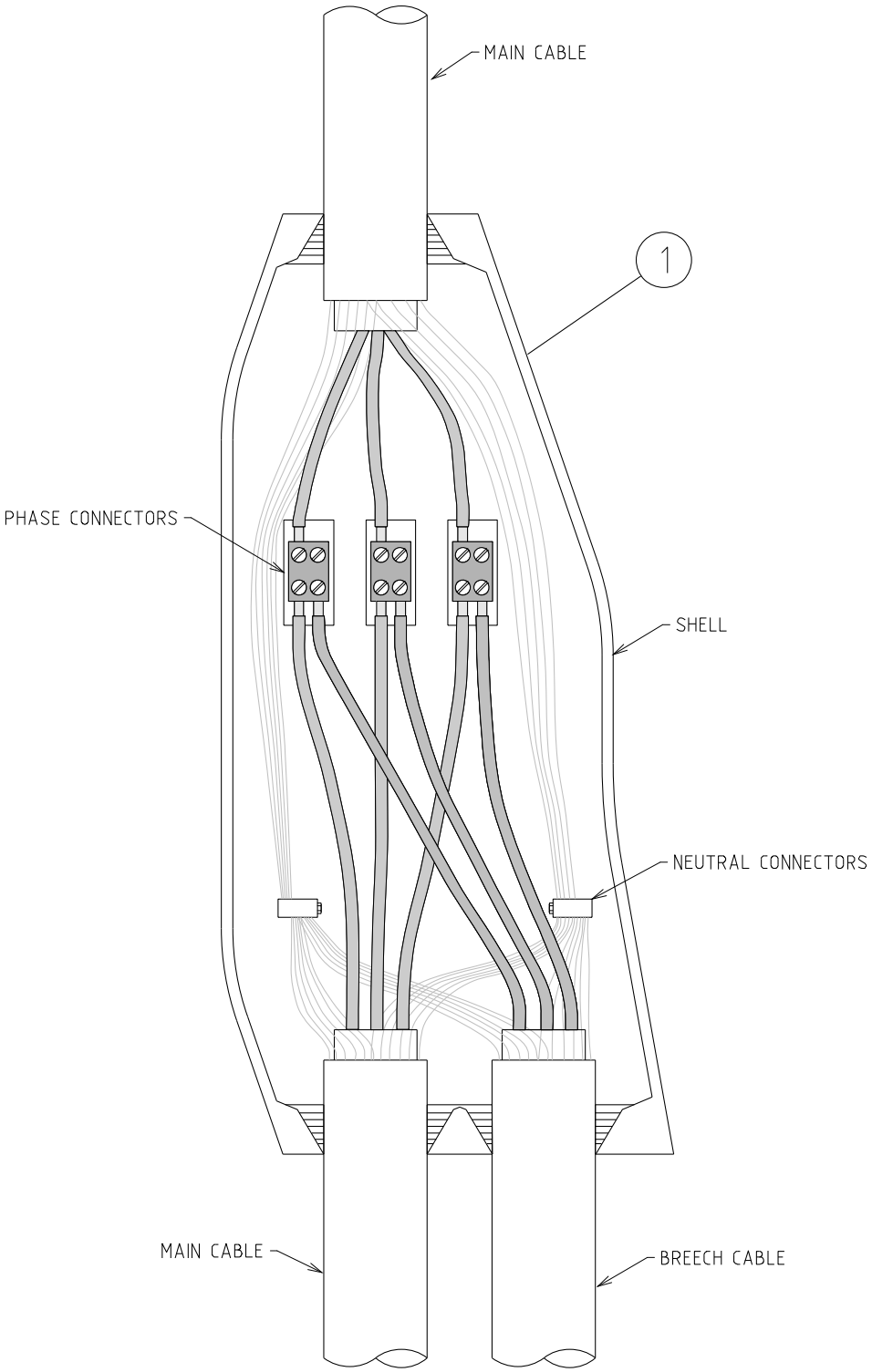
REV L | SHT 1/1

Low Voltage Underground CU List

CU	CU DESCRIPTION
LU1	Breeches joint 120/120-120/185-185/120-185/185
LU2	Straight joint 185/185-185/240-240/240
LU3	Straight joint 120/120-120/185-120/240
LU4	Tee joint 25/120-25/185
LU5	Tee joint 25/240
LU6_120O	Aerial cable termination for a 120mm cable
LU6_120U	U/G cable termination 120mm
LU6_240O	Aerial cable termination for a 240mm cable
LU6_240U	U/G cable termination 240mm
LU6_LVABC	Aerial cable termination for 120-240mm cable to LVABC
LU7_240	Universal pillar termination – 120 to 240
LU8	Straight joint 25/25 -Heat Shrink
LU8R	Straight joint 25/25-Resin
LU9_120O	Aerial cable termination for a 120mm cable
LU9_120U	U/G cable termination 120mm
LU9_240O	Aerial cable termination for a 240mm cable
LU9_240U	U/G cable termination 240mm
LU10	Mini pillar & 1 x 25mm cable termination
LU10_2TERM	Mini pillar & 2 x 25mm cable termination
LU11	Universal pillar
LU13	Straight joint 10/16-16/16 - Heat Shrink
LU13R	Straight joint 10/16-16/16 -Resin
LU14_16/160A	Cable to fuse switch -16 (Single phase)/160A Base
LU14_25/160A	Cable to fuse switch -25/160A Base
LU14_25/630A	Cable to fuse switch -25/630A Base
LU14_120	Cable to fuse switch -120
LU14_185	Cable to fuse switch -185
LU14_240	Cable to fuse switch -240
LU15	Straight joint with service tee 25/120, 25/185 & 25/240
LU16_400CU16	Transformer 400mm^2 Cu M16 Termination Kit
LU16_400CU12	Penda 400mm^2 Cu M12 Termination Kit
LU16_630AL16	Transformer 630mm^2 Al M16 Termination Kit
LU19	Breeches joint 240/240
LU34	Wall mounted box – 100amp
LU35	Wall mounted box – 200amp
LU36_63A	J-type fuse 63A and carrier for universal pillar
LU36_100A	J-type fuse 100A and carrier for universal pillar
LU36_160A	J-type fuse 160A and carrier for universal pillar
LU36_200A	J-type fuse 200A and carrier for universal pillar
LU36_315A	J-type fuse 315A and carrier for universal pillar
LU36_LINK	Link 400 amp for universal pillar
LU37_120O	Aerial termination for a 120mm cable
LU37_120U	U/G termination 120mm cable
LU37_240O	Aerial termination for a 240mm cable

CU	CU DESCRIPTION
LU37_240U	U/G termination 240mm cable
LU41	Base for LV kiosk Type 1
LU42	Base for LV kiosk Type 2
LU43	Base for LV kiosk Type 3
LU44	fuse switch 400 A cover with 630 A base
LU50_25/95O	OH Termination 25mm CU to 95 ABC
LU50_25/95U	UG Termination 25mm CU to 95 ABC
LU50_25/150O	OH Termination 25mm CU to 150 ABC
LU50_25/150U	UG Termination 25mm CU to 150 ABC
LU50_101695O	OH Termination 10/16mm CU to 95 ABC
LU50_101695U	UG Termination 10/16mm CU to 95 ABC
LU50_1016O	OH Termination 10/16mm CU to 150 ABC
LU50_1016U	UG Termination 10/16mm CU to 150 ABC
LU50_EXT_25C	UG cable extension or reattachment 25mm LVAB
LU50_EXT_16C	UG cable extension or reattachment 16mm LVAB
LU51_25ALO	OH Termination 25mm CU cable to aluminium conductor
LU51_25ALU	UG Termination 25mm CU cable to aluminium conductor
LU51_25CUO	OH Termination 25mm CU cable to copper conductor
LU51_25CUU	UG Termination 25mm CU cable to copper conductor
LU51_1016ALO	OH Termination 10/16mm CU cable to AL conductor
LU51_1016ALU	UG Termination 10/16mm CU cable to AL conductor
LU51_1016CUO	OH Termination 10/16mm CU cable to CU conductor
LU51_1016CUU	UG Termination 10/16mm CU cable to CU conductor
LU51_EXT_25C	UG cable extension or reattachment 25mm CU
LU51_EXT_25A	UG cable extension or reattachment 25mm AL
LU51_EXT_16C	UG cable extension or reattachment 16mm CU
LU51_EXT_16A	UG cable extension or reattachment 16mm AL
LU52	Cable Service pit (Conditional Use – e.g Micro lots)
LU53	Transition Jn 120-240PILC to 120-240XLPE
LU54	Tee joint–150 pilcswa to 25 xlpe
LU55	Tee joint–240 pilcswa to 25 xlpe
LU57	Breeches joint–240 pilcswa to 240 xlpe
LU58	Transition joint (consac) with service cable 25/(120-240)
LU61_25_240O	OH Termination Transformer Pole to Pillar 25mm CU cable (240V)
LU61_25_240U	UG Termination Transformer Pole to Pillar 25mm CU cable (240V)
LU61_25_2TXO	OH Termination 2x25kV transformer Pole to Pillar 25mm CU cable (240V)
LU61_25_2TXU	UG Termination 2x25kV transformer Pole to Pillar 25mm CU cable (240V)
LU61_25_480O	OH Termination Transformer Pole to Pillar 25mm CU cable (480V)
LU61_25_480U	UG Termination Transformer Pole to Pillar 25mm CU cable (480V)
LU61_25_3PHO	OH Termination Transformer Pole to Pillar 25mm CU cable (415V)
LU61_25_3PHU	UG Termination Transformer Pole to Pillar 25mm CU cable (415V)
LU61_120_3PO	OH Termination Transformer Pole to Pillar 120mm AL cable (415V)
LU61_120_3PU	UG Termination Transformer Pole to Pillar 120mm AL cable (415V)
LU61_185_3PO	OH Termination Transformer Pole to Pillar 185mm AL cable (415V)
LU61_185_3PU	UG Termination Transformer Pole to Pillar 185mm AL cable (415V)
LU61_240_3PO	OH Termination Transformer Pole to Pillar 240mm AL cable (415V)

CU	CU DESCRIPTION
LU61_240_3PU	UG Termination Transformer Pole to Pillar 240mm AL cable (415V)
LU62_70_120	LV Cable Live End Seal for XLPE – 70-120 1 x 3 core
LU62_185_240	LV Cable Live End Seal for XLPE – 185-240 1 x 3 core
LU62	LV Cable Live End Seal PILC (Resin filled)
LU63	Type 1.1 PENDA
LU64 _I	Type 2.1 PENDA – I (Indoor)
LU64_O	Type 2.1 PENDA O (Outdoor)
LU65_I	Type 3.1 PENDA – I (Indoor)
LU65_O	Type 3.1 PENDA O (Outdoor)
LU66_TX	2000A Tx switch disconnector (incoming supply to PENDA)
LU66_CUST	2000A Customer switch disconnector (connection to PENDA)
LU67	1260A Fused switch disconnector (connection to PENDA)
LU68	910A Fused switch disconnector (connection to PENDA)
LU69	630A Fused switch disconnector (connection to PENDA)
LU70	160A Fused switch disconnector (connection to PENDA)
LU71	1000A Switched disconnector (un-fused connection to PENDA)



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
D	31.08.21	REDRAWN TO SUIT NEW JOINT BOX	CO	KT	GS
C	01.12.09	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

BREECHES JOINT
120/120,120/185,120/240 & 185/185

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR | DATE: 14-04-2014 | DRG. No. LU01

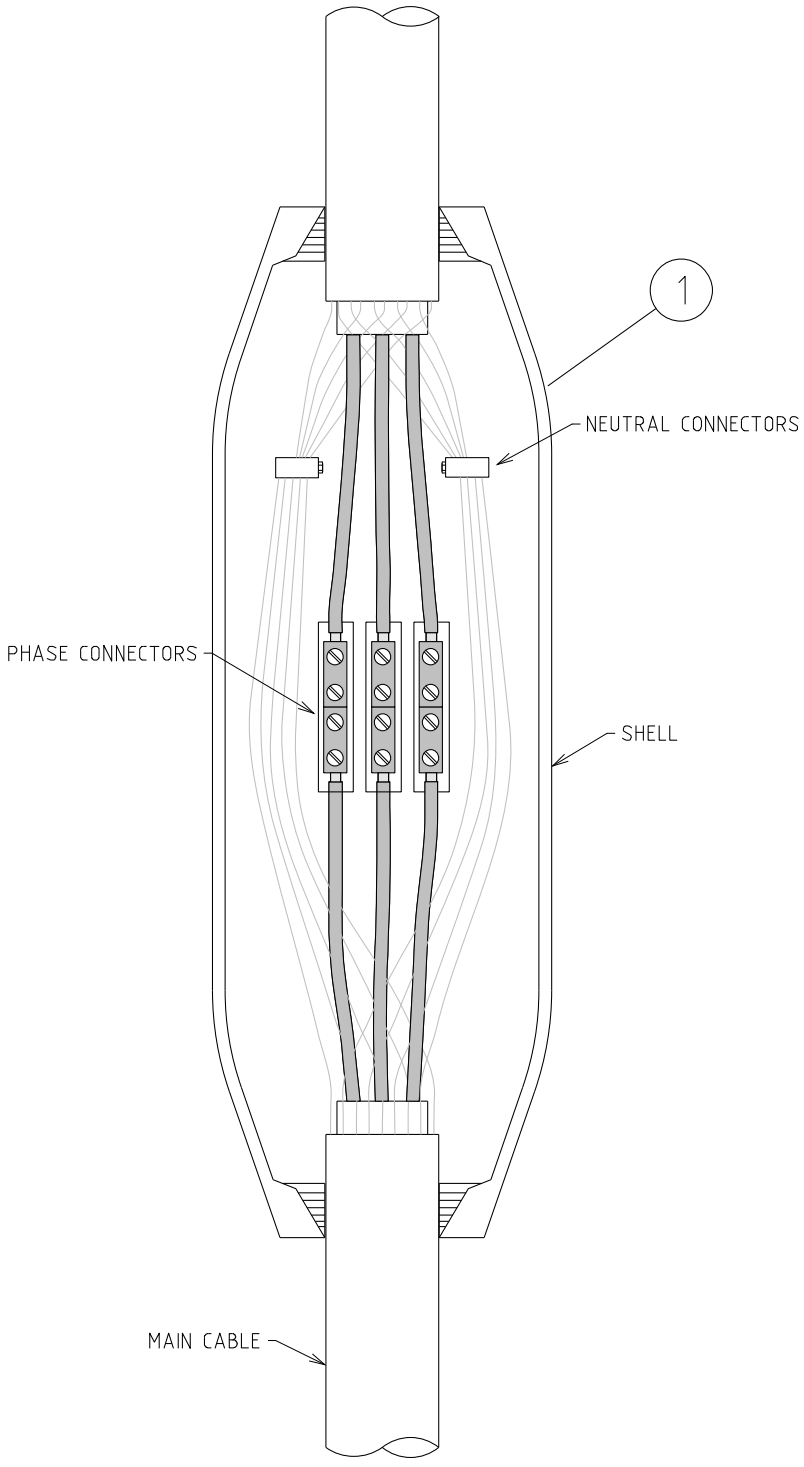
ORIGINATED: | SCALE: NTS

CHECKED: REE

APPROVED: GRANT STACY | REV. D | SHT.

CU	CU Description

LU1	Breeches joint 120/120-120/185-185/120-185/185				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0063	breeches joint (Kit only)	1	ea	
1	KC0014	2-part guroflex resin	5	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
B	12.12.18	REDRAWN TO SUIT NEW JOINT	CO	FK	GS
A	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

STRAIGHT JOINT
185/185, 185/240 & 240/240

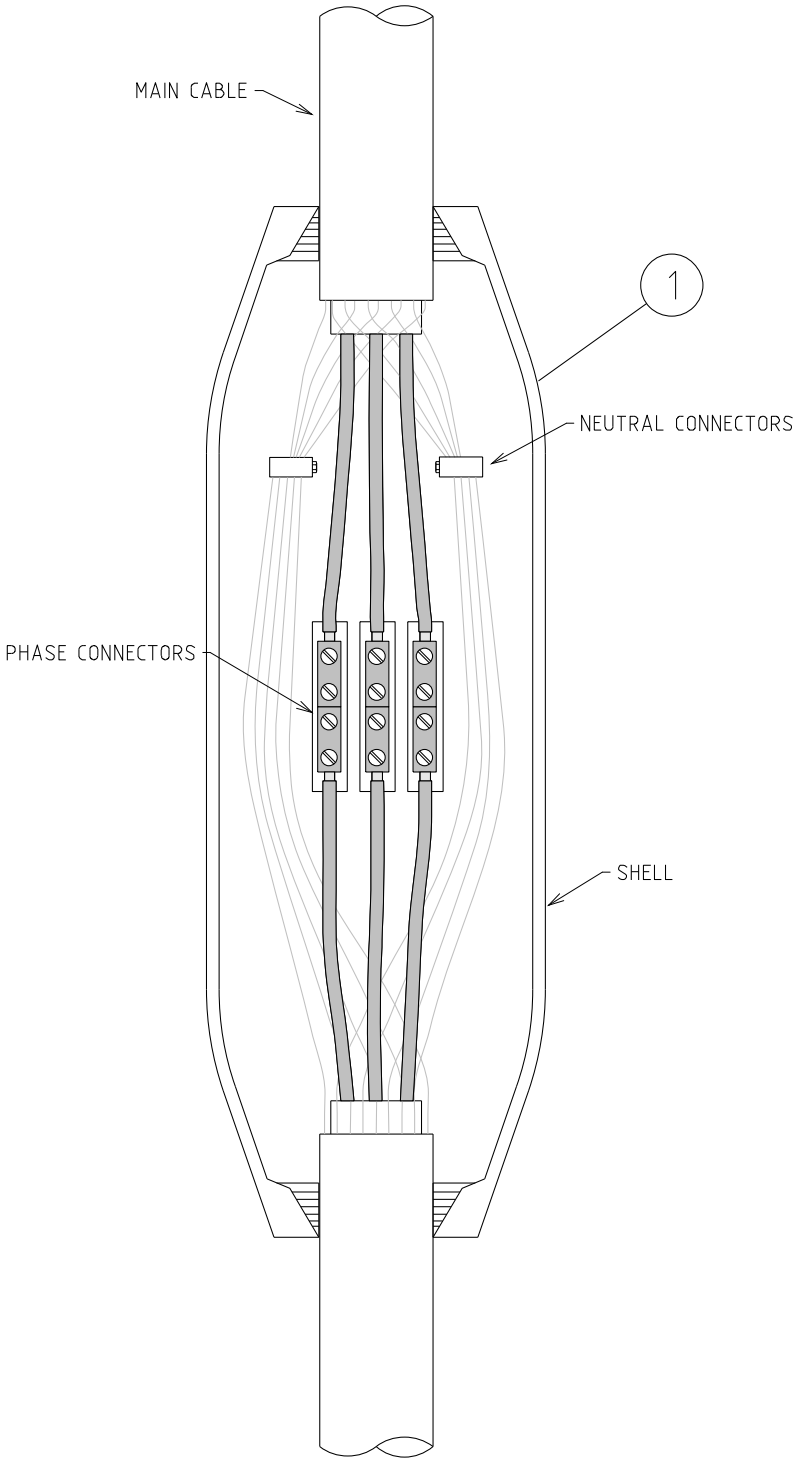
DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 15-04-2014	DRG. No. LU02
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY	REV. B	SHT.

CU	CU Description

LU2	Straight joint 185/185-185/240-240/240				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0062	straight joint (Kit only)	1	ea	
1	KC0014	2-part guroflex resin	2	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
C	31.08.21	REDRAWN TO SUIT NEW JOINT	CO	KT	GS
B	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

STRAIGHT JOINT - 120/120

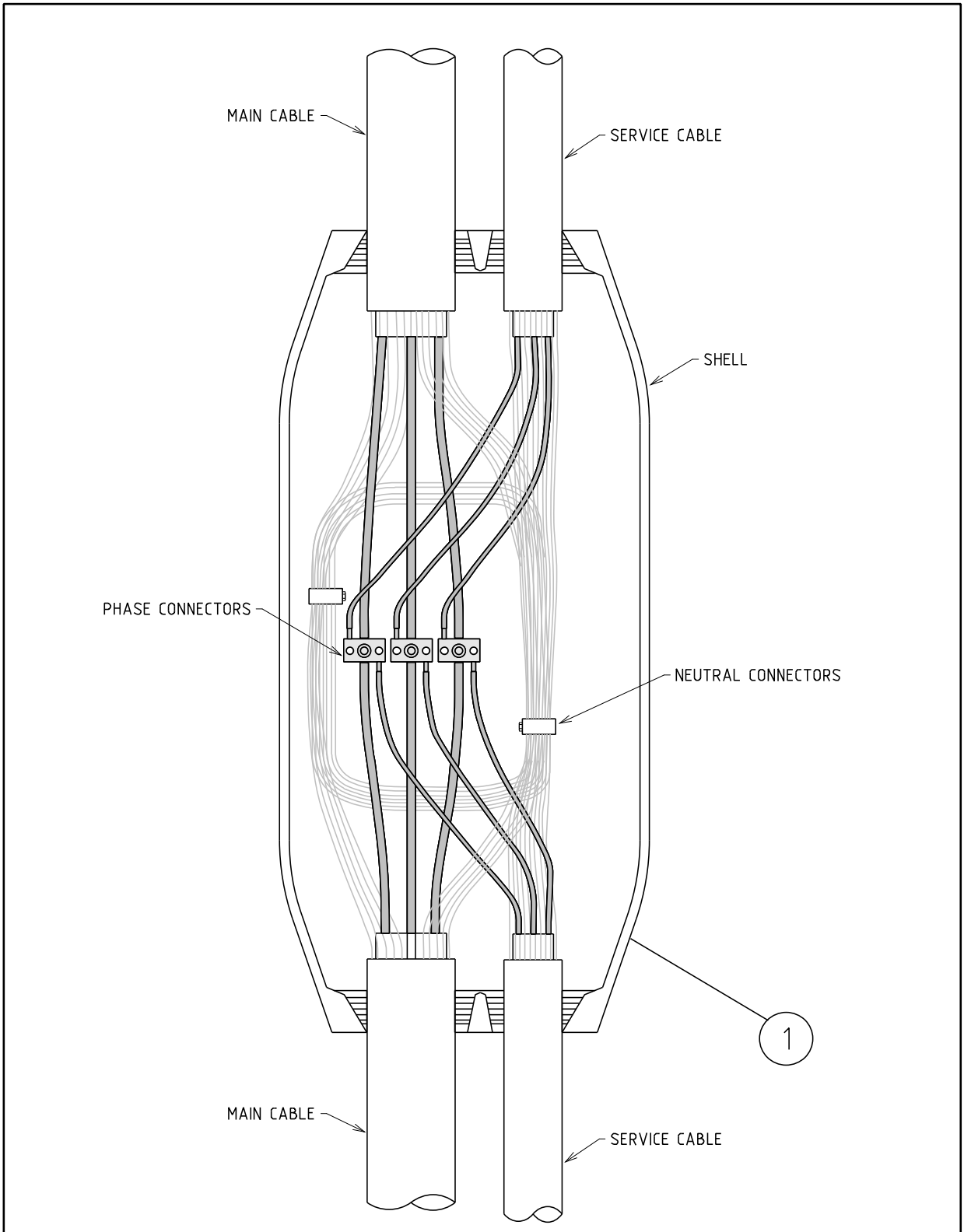
DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 14-04-2014	DRG. No. LU03
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. C / SHT.

CU	CU Description

LU3	Straight joint 120/120-120/185-120/240				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0062	straight joint (Kit only)	1	ea	
1	KC0014	2-part guroflex resin	2	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD
C	07.04.20	REDRAWN TO SUIT NEW JOINT BOX	CO	GS	FK
B	21 04 03	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

TEE JOINT
25/120 & 25/185

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR | DATE: 15-04-2014 | DRG. No. LU04

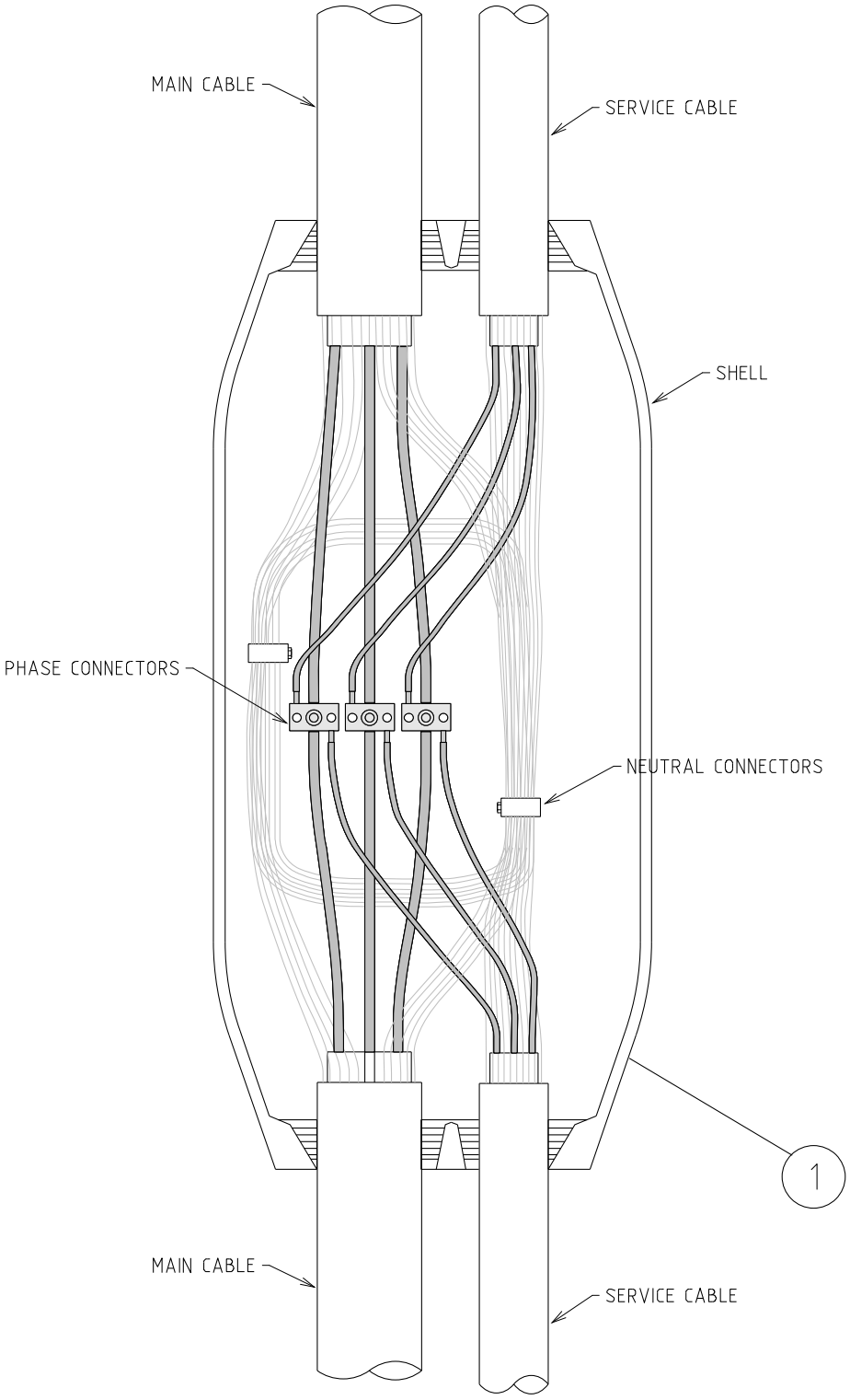
ORIGINATED: | SCALE: NTS

CHECKED: REE

APPROVED: GRANT STACY | REV. C | SHT.

CU	CU Description

LU4	Tee joint 25/120-25/185				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0067	tee joint (Kit only)	1	ea	
1	KC0014	2-part guroflex resin	2	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
C	12.12.18	REDRAWN TO SUIT NEW JOINT BOX	CO	FK	GS
B	21 04 03	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

TEE JOINT - 25/240

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR | DATE: 15-04-2014 | DRG. No. LU05

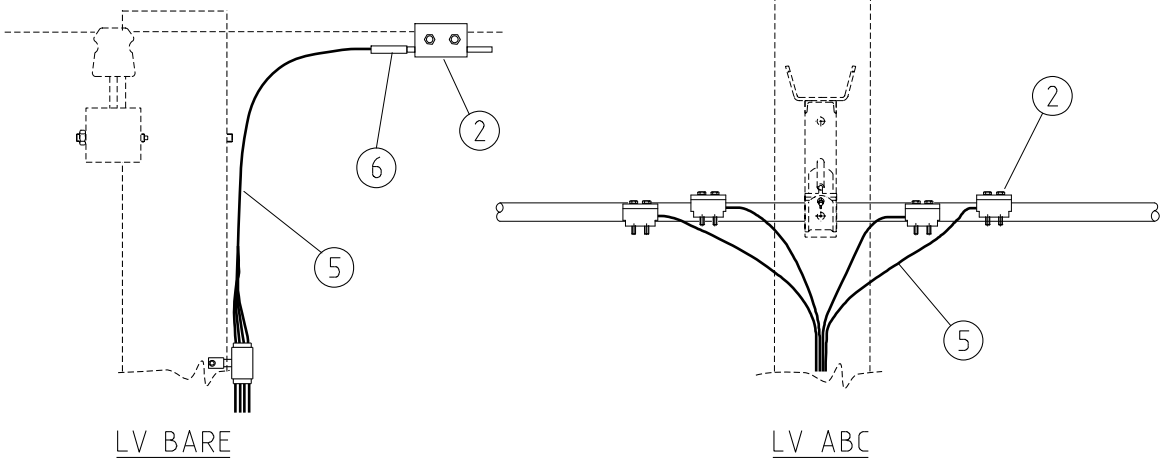
ORIGINATED: | SCALE: NTS

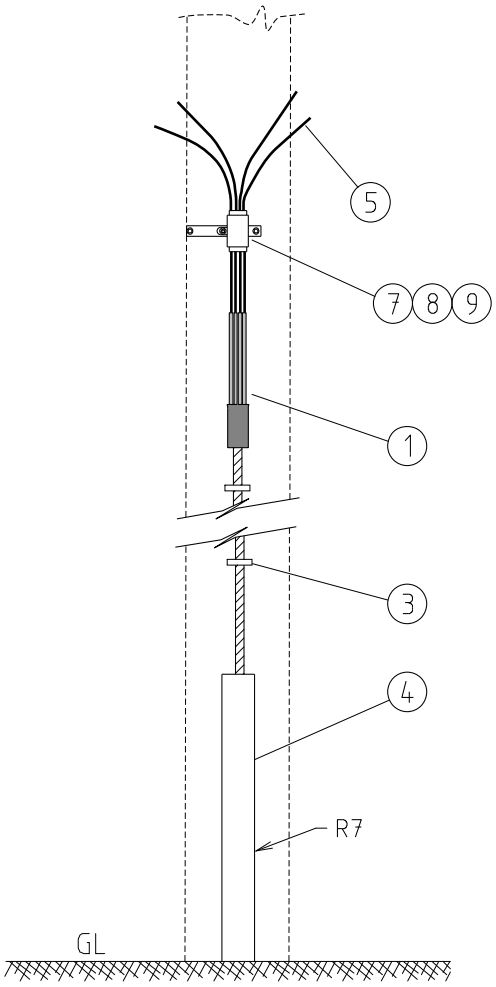
CHECKED: REE

APPROVED: GRANT STACY | REV. C | SHT.

CU	CU Description

LU5	Tee joint 25/240				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0068	Tee joint (kit only)	1	ea	
1	KC0014	2-part guroflex resin	3	ea	





REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
D	29.03.19	LV ABC CONNECTION DETAILS ADDED	CO	NMc	GS
C	23.08.17	ADDED LV ABC SUPPORT, CONNECTION DETAILS CLARIFIED	CO	JC	GS
B	10.09 12	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

120 to 240mm² CABLE TO LV BARE OR LV ABC, DIRECT CONNECTION

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 15-04-2014	DRG. No. LU06
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY	REV. D	SHT.

CU	CU Description

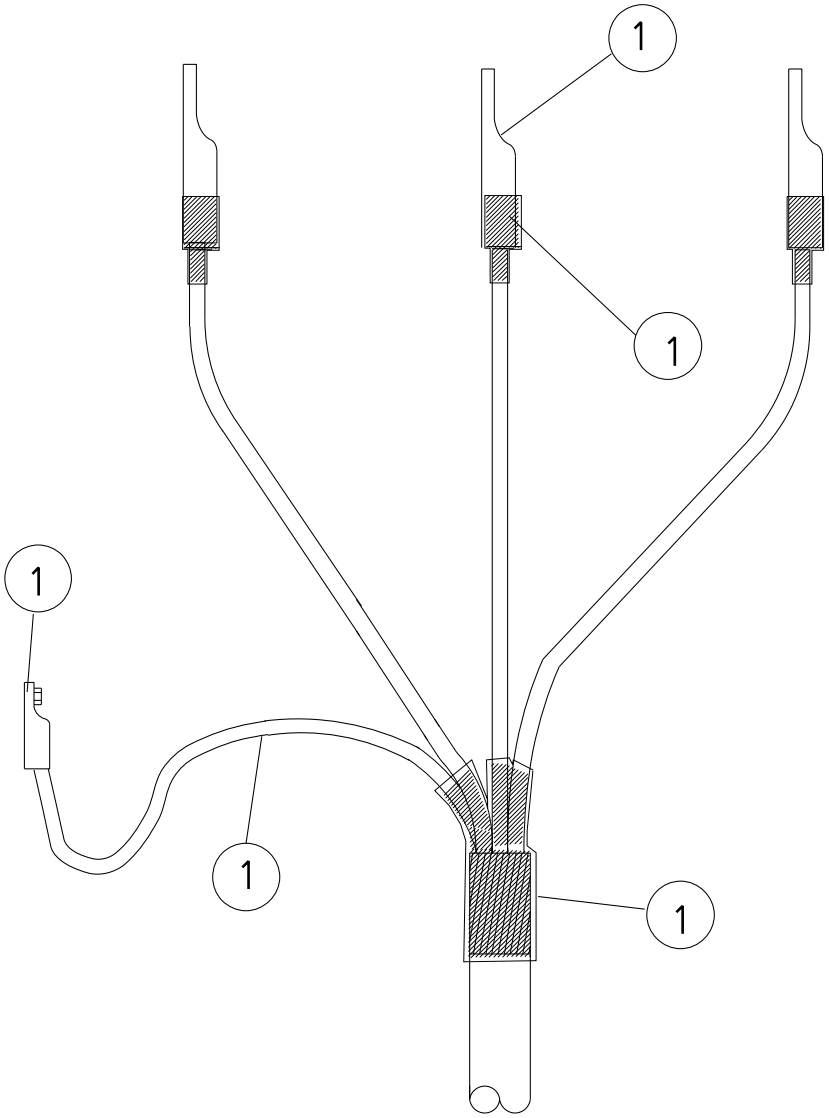
LU6_120O	Aerial cable termination for a 120mm cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
2	CC0138	par groove clamp	4	ea	
3	GC7193	32mm saddle	3	ea	
4	HT6320	cable protector	1	ea	
6	CJ0494	ABC 95 splice Alumin tail	4	ea	
7	CB3055	Bracket	1	ea	
8	CC0101	Conductor Suspension clamp	1	ea	
9	AS1440	Coach Screw	2	ea	

LU6_120U	U/G cable termination 120mm				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FC0499	splice 120 to 95 ABC	1	ea	
5	FT0095	ABC 95 3m long	1	ea	

LU6_240O	Aerial cable termination for a 240mm cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
2	CC0138	par groove clamp	4	ea	
3	GC7195	50mm saddle	3	ea	
4	HT6320	cable protector	1	ea	
6	CJ0496	ABC 150 splice Alumin tail	4	ea	
7	CB3055	Bracket	1	ea	
8	CC0110	Conductor Suspension clamp	1	ea	
9	AS1440	Coach Screw	2	ea	

LU6_240U	U/G cable termination 240mm				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FC0499	splice 150 ABC to 240	1	ea	
5	FT0150	ABC 150 3m long	1	ea	

LU6_LVABC	Aerial cable termination for 120 – 240mm cable to LV ABC				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
2	CC0081	LV ABC IPC (95/150 – 95/150)	4	ea	
3	GC7195	50mm saddle	3	ea	
4	HT6320	cable protector	1	ea	
7	CB3055	Bracket	1	ea	
8	CC0110	Conductor Suspension clamp	1	ea	
9	AS1440	Coach Screw	2	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
C	17.10.08	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

UNIVERSAL PILLAR TERMINATION

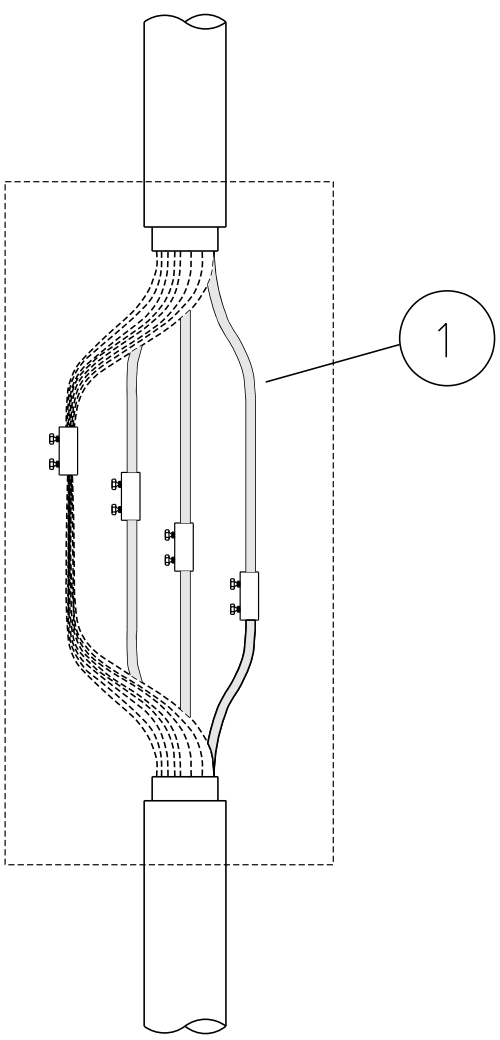
DISTRIBUTION DESIGN CATALOGUE

westernpower

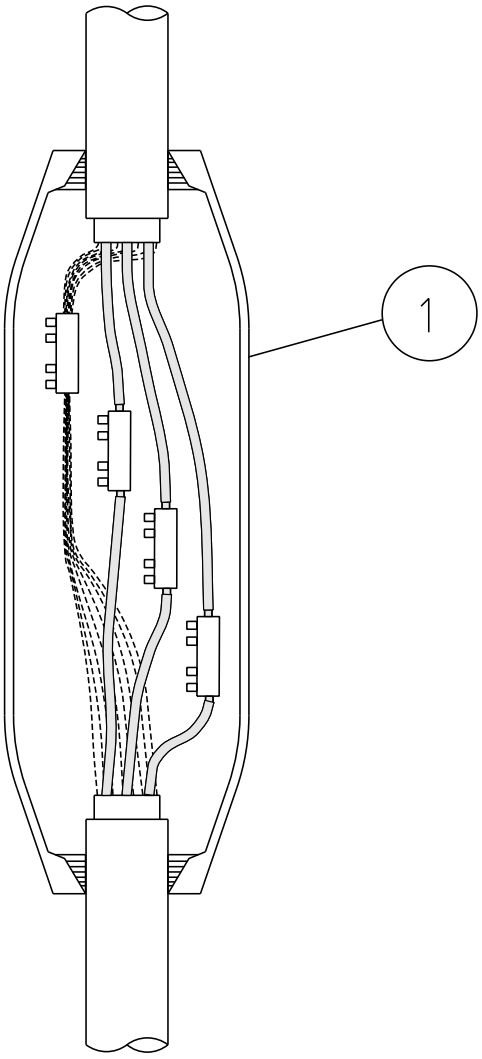
DRAWN: JRR	DATE: 15-04-2014	DRG. No. LU07
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. C / SHT.

CU	CU Description

LU7_240	Universal pillar termination – 120 to 240				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0615	Termination Kit, for 120 to 240mm2 cable	1	ea	



OPTION 1



OPTION 2

REV.	DATE	DESCRIPTION	ORGD.	CHKD.	APRD
E	10.11.25	HEAT SHRINK OPTION ADDED	NG	VAS	CO
D	19.09.22	JOINT KIT CHANGED	SH	CO	GS
C	30.10.18	DRAWING MODIFIED	CO	NMc	GS
B	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

STRAIGHT JOINT 25/25

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR | DATE: 15-04-2014 | DRG. No. LU08

ORIGINATED: | SCALE: NTS

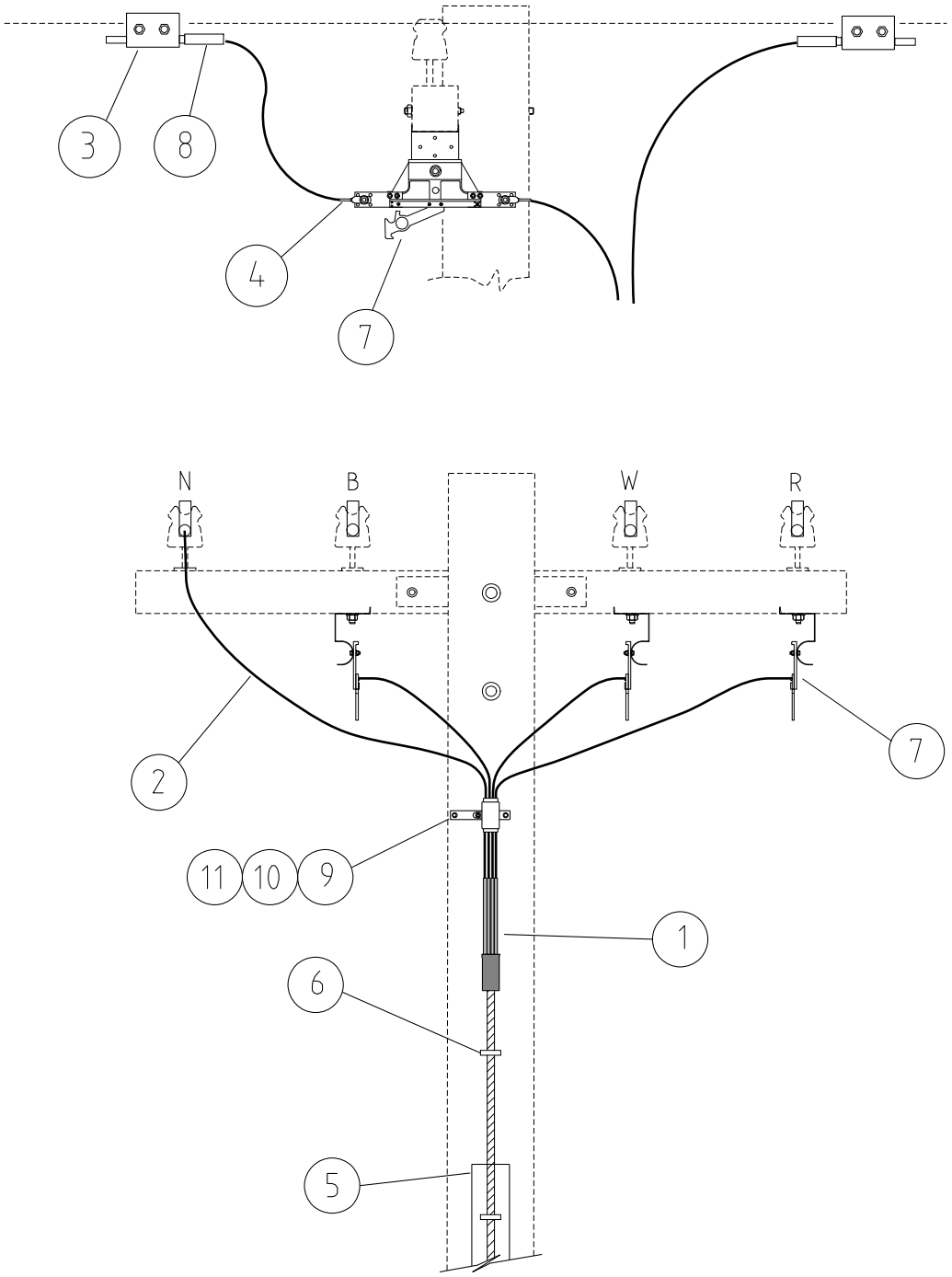
CHECKED: REE

APPROVED: GRANT STACY | REV. E | SHT. 1/1

CU	CU Description

LU8	Straight joint 25/25 -Heat Shrink				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0238	straight joint kit – Heat Shrink	1	ea	

LU8R	Straight joint 25/25-Resin				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0058	straight joint kit - Resin	1	ea	Not suitable for live joints



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
E	23.08.17	ISOLATOR REVISED, LV ABC SUPPORT ADDED	CO	JC	GS
D	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

120 TO 240mm^2
CABLE TO LV ISOLATORS

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 15-04-2014	DRG. No. LU09
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. E / SHT.

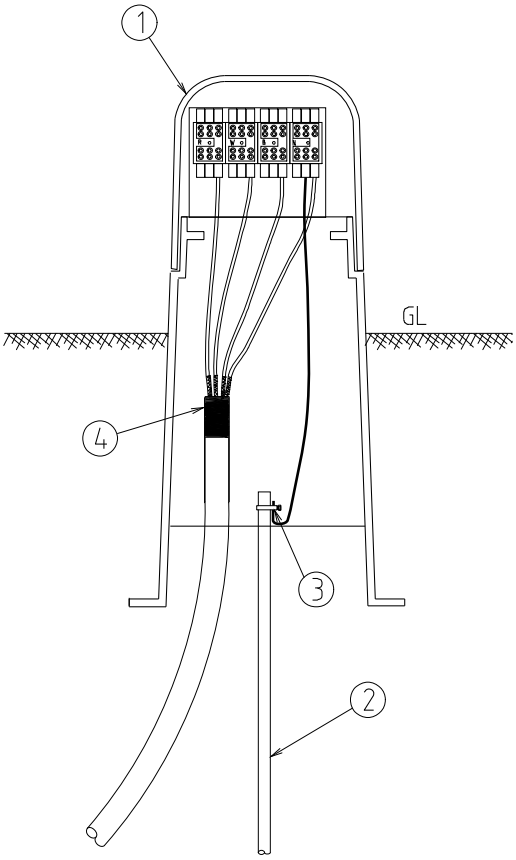
CU	CU Description

LU9_120O	Aerial cable termination for a 120mm cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
3	CC0138	par groove clamp	4	ea	
4	FL0401	ABC 95 lug	6	ea	
5	HT6320	cable protector	1	ea	
6	GC7195	Conduit strap	3	ea	
7	GS0062	underslung isolator 630A	3	ea	
8	CJ0494	ABC 95 splice Alumin tail	4	ea	
9	CB3055	Bracket	1	ea	
10	CC0101	Conductor Suspension clamp	1	ea	
11	AS1440	Coach Screw	2	ea	

LU9_120U	U/G cable termination 120mm				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FC0499	splice 120 to 95 ABC	1	ea	
2	FT0095	ABC 95 4m long	1	ea	

LU9_240O	Aerial cable termination for a 240mm cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
3	CC0138	par groove clamp	4	ea	
4	FL0402	ABC 150 lug	6	ea	
5	HT6320	cable protector	1	ea	
6	GC7195	Conduit strap	3	ea	
7	GS0062	underslung isolator 630A	3	ea	
8	CJ0496	ABC 150 splice Alu tail	4	ea	
9	CB3055	Bracket	1	ea	
10	CC0110	Conductor Suspension clamp	1	ea	
11	AS1440	Coach Screw	2	ea	

LU9_240U	U/G cable termination 185mm				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FC0499	splice 150 ABC to 240	1	ea	
2	FT0150	ABC 150 4m long	1	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
H	22.12.21	REVISED TO SUIT NEW MINI PILLAR	REE	CO	GS
G	17.06.21	THE ITEM FB0073 DELETED	MHJ	CO	GS
F	31.07.17	REVISED TO SUIT NEW MINI PILLAR	NMc	JC	GS

COMPATIBLE UNIT

TITLE

MINI PILLAR & TERMINATIONS

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR | DATE: 15-04-2014 | DRG. No. LU10

ORIGINATED: | SCALE: NTS

CHECKED: REE

APPROVED: GRANT STACY | REV. H | SHT.

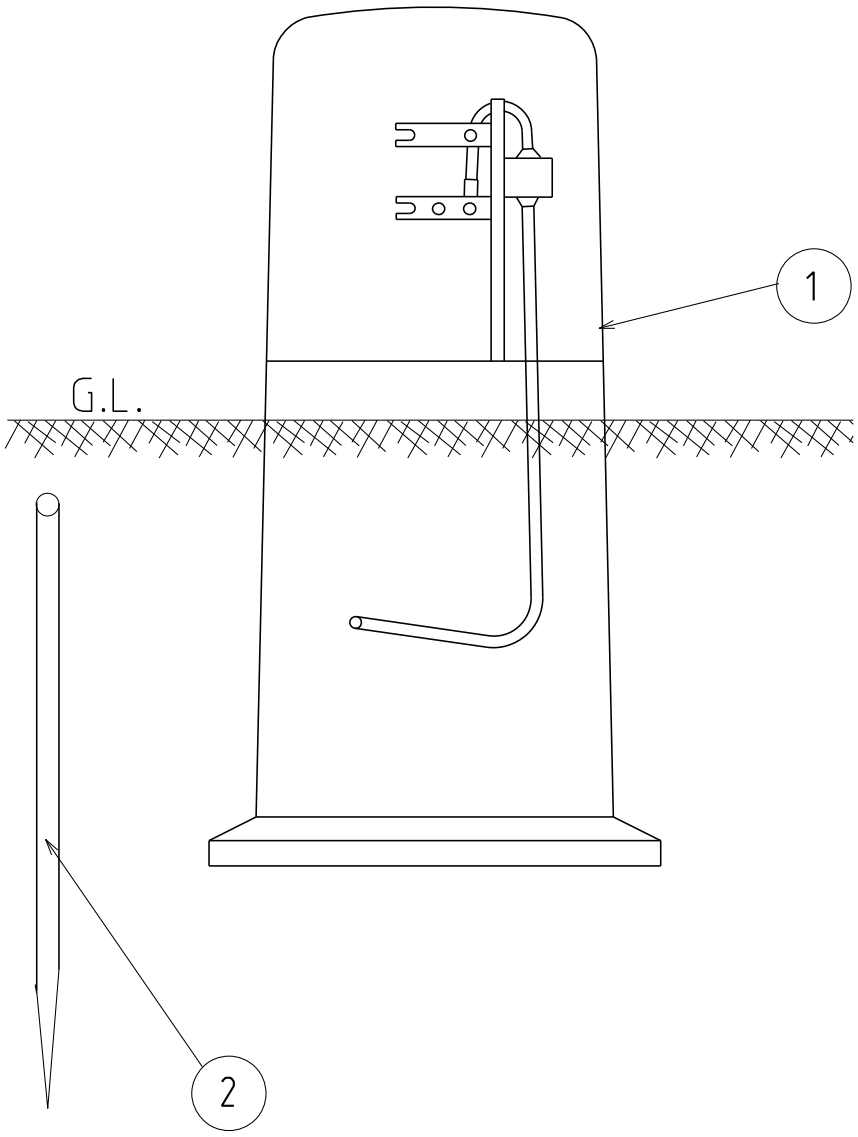
CU	CU Description

LU10	Mini pillar & 1 x 25mm cable termination				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FB0059	Mini pillar	1	ea	
2	CE0135	Earth rod	1	ea	
3	CE0055	Earth clamp	1	ea	
4	FE0109	Heat shrink glove and sleeving	1	ea	

Note- Add CR0324 label for 240V / 480V

LU10_2TERM	Mini pillar & 2 x 25mm cable termination				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FB0059	Mini pillar	1	ea	
2	CE0135	Earth rod	1	ea	
3	CE0055	Earth clamp	1	ea	
4	FE0109	Heat shrink glove and sleeving	2	ea	

Note- Add CR0324 label for 240V / 480V



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
C	13.03.18	FORMAT CHANGED	REE	JC	GS
B	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

UNIVERSAL PILLAR

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR | DATE: 15-04-2014 | DRG. No. LU11

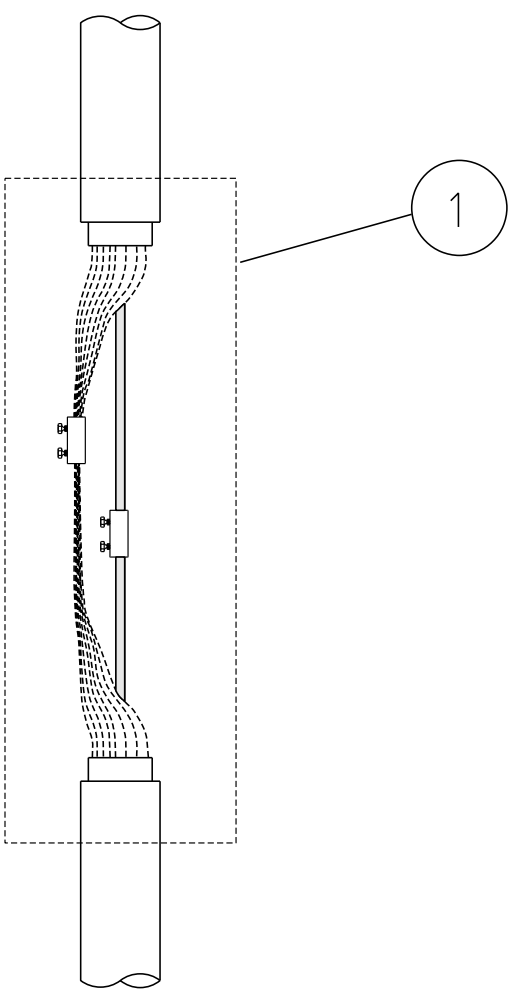
ORIGINATED: | SCALE: NTS

CHECKED: REE

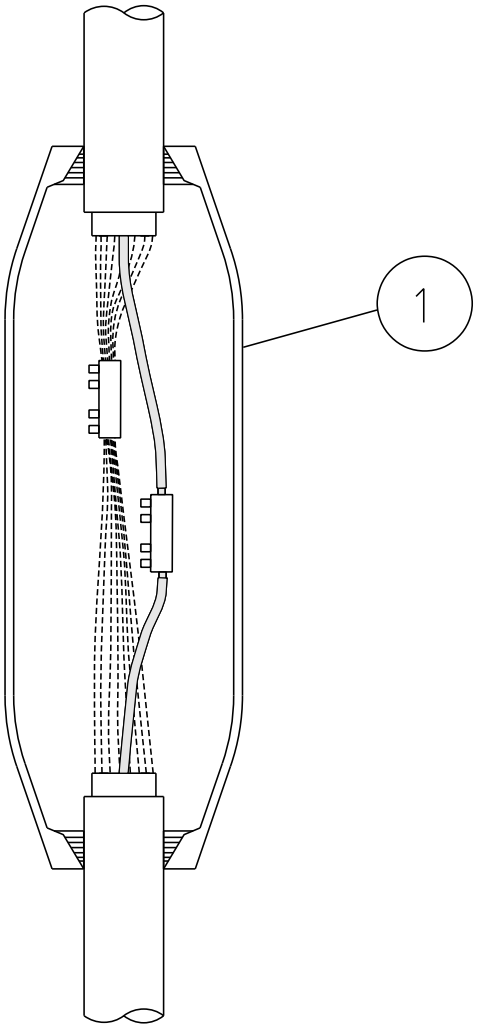
APPROVED: GRANT STACY | REV. C | SHT.

CU	CU Description

LU11	Universal pillar				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FB0855	universal pillar	1	ea	
2	CE0135	earth rod	1	ea	
2	CE0058	earth clamp	1	e	



OPTION 1



OPTION 2

REV.	DATE	DESCRIPTION	ORGD.	CHKD.	APRD
E	10.11.25	HEAT SHRINK OPTION ADDED	NG	VAS	CO
D	19.09.22	JOINT KIT CHANGED	SH	CO	GS
C	30.10.18	DRAWING MODIFIED	CO	NMc	GS
B	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

STRAIGHT JOINT
10/16 & 16/16

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR | DATE: 15-04-2014 | DRG. No. LU13

ORIGINATED: | SCALE: NTS

CHECKED: REE

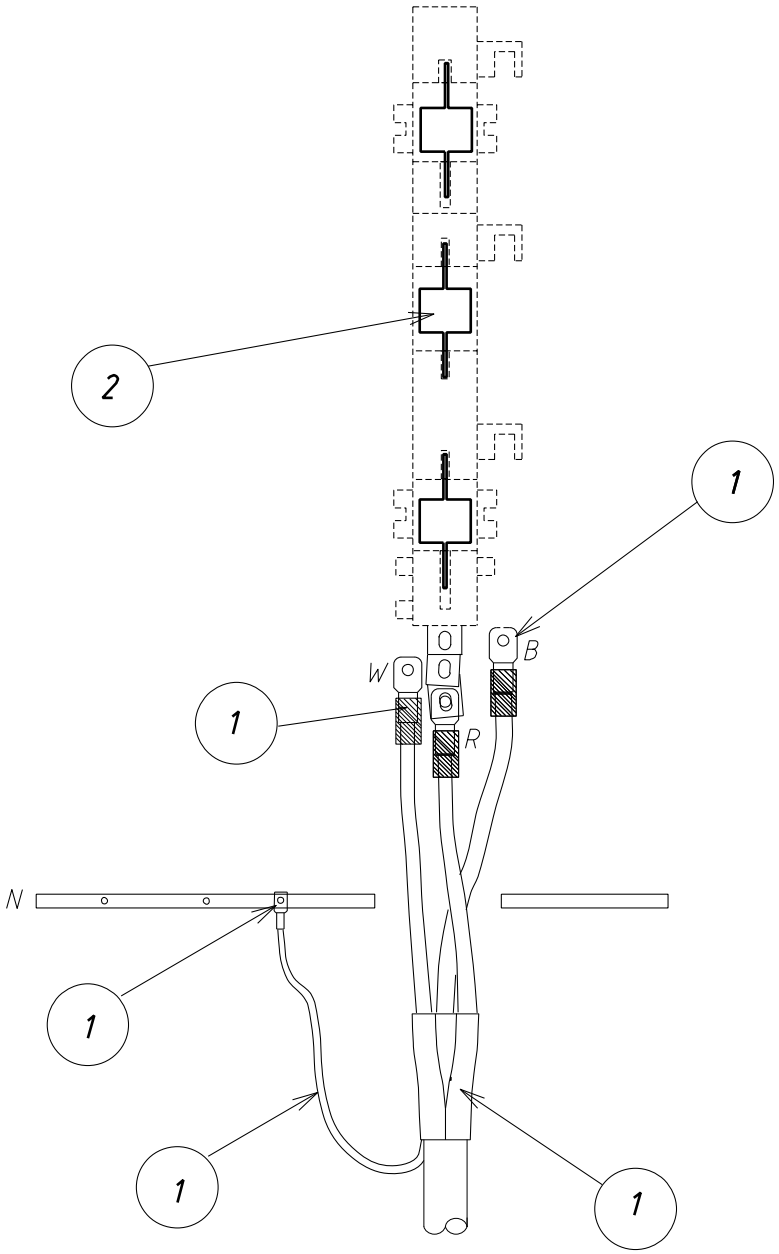
APPROVED: GRANT STACY

REV. E | SHT. 1/1

CU	CU Description

LU13	Straight joint 10/16-16/16 - Heat Shrink				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0237	straight joint kit – Heat Shrink	1	ea	

LU13R	Straight joint 10/16-16/16 -Resin				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0055	straight joint kit - Resin	1	ea	Not suitable for live joints



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
D	22.04.02	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

CABLE TO FUSE SWITCH

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 15-04-2014	DRG. No. LU14
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. D / SHT.

CU	CU Description

LU14_16/160A	Cable to fuse switch – 16 (Single phase)/160A Base				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FB0256	16mm² M10 lug	2	ea	
1	FE0112	16mm² Cable term kit	1	ea	
2	GF0502	Fuse 20A	1	ea	

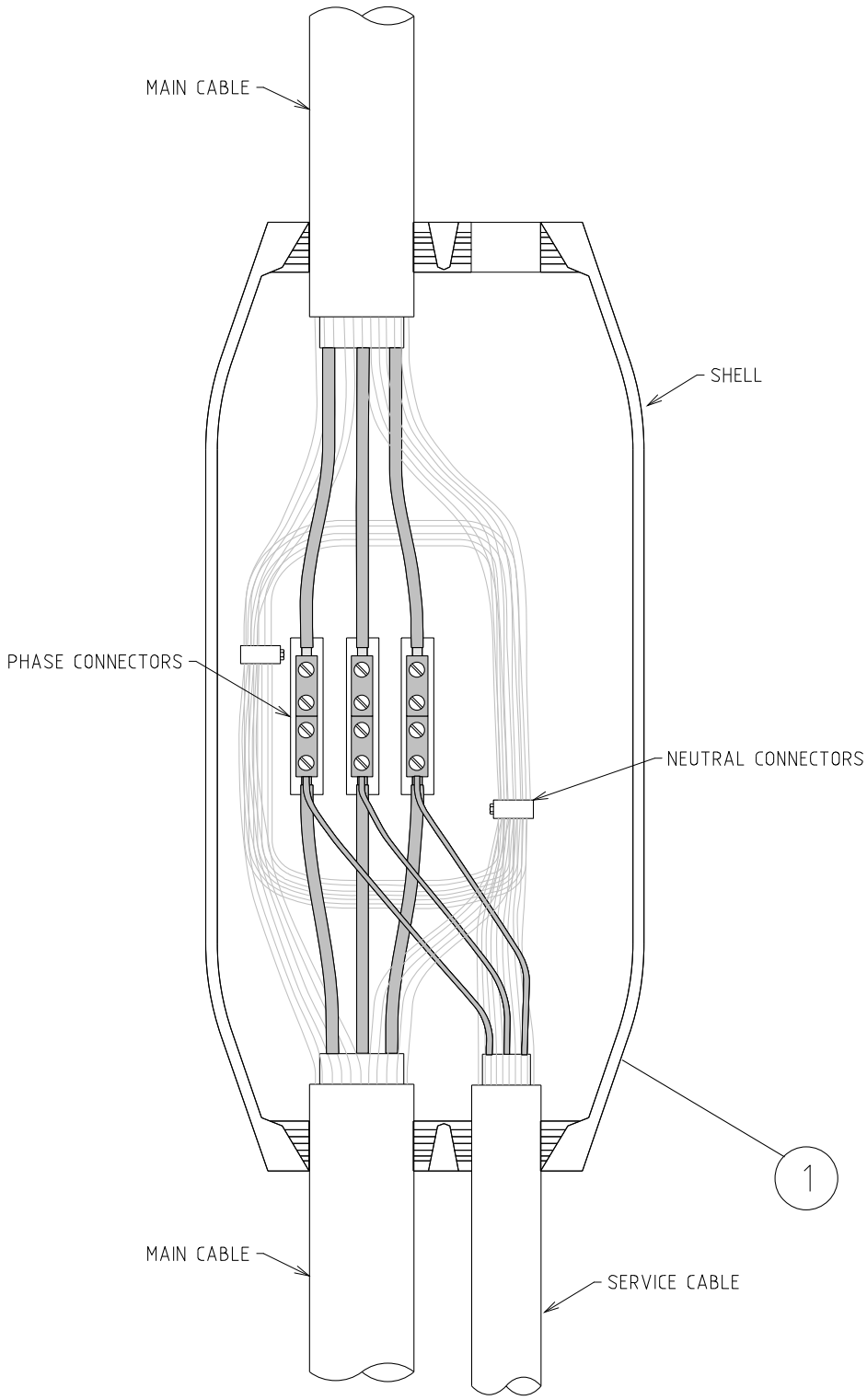
LU14_25/160A	Cable to fuse switch – 25/160A Base				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FL1442	25mm² M8 lug	4	ea	
1	FE0109	25mm² Cable term kit	1	ea	
2	GF0504	Fuse 63A	3	ea	

LU14_25/630A	Cable to fuse switch – 25/630A Base				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FL1449	25mm² M12 lug	4	ea	
1	FE0109	25mm² Cable term kit	1	ea	
2	GF2130	Fuse 100A	4	ea	

LU14_120	Cable to fuse switch – 120				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0615	Termination Kit, for 120 to 240mm2 cable	1	ea	
2	GF1096	fuse 200 amp	3	ea	

LU14_185	Cable to fuse switch – 185				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0615	Termination Kit, for 120 to 240mm2 cable	1	ea	
2	GF1101	fuse 315 amp	3	ea	

LU14_240	Cable to fuse switch – 240				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0615	Termination Kit, for 120 to 240mm2 cable	1	ea	
2	GF1101	fuse 315 amp	3	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
A	12.12.18	ORIGINAL ISSUE	CO	FK	GS

COMPATIBLE UNIT

TITLE
STRAIGHT JOINT WITH SERVICE TEE
25/120, 25/185 & 25/240

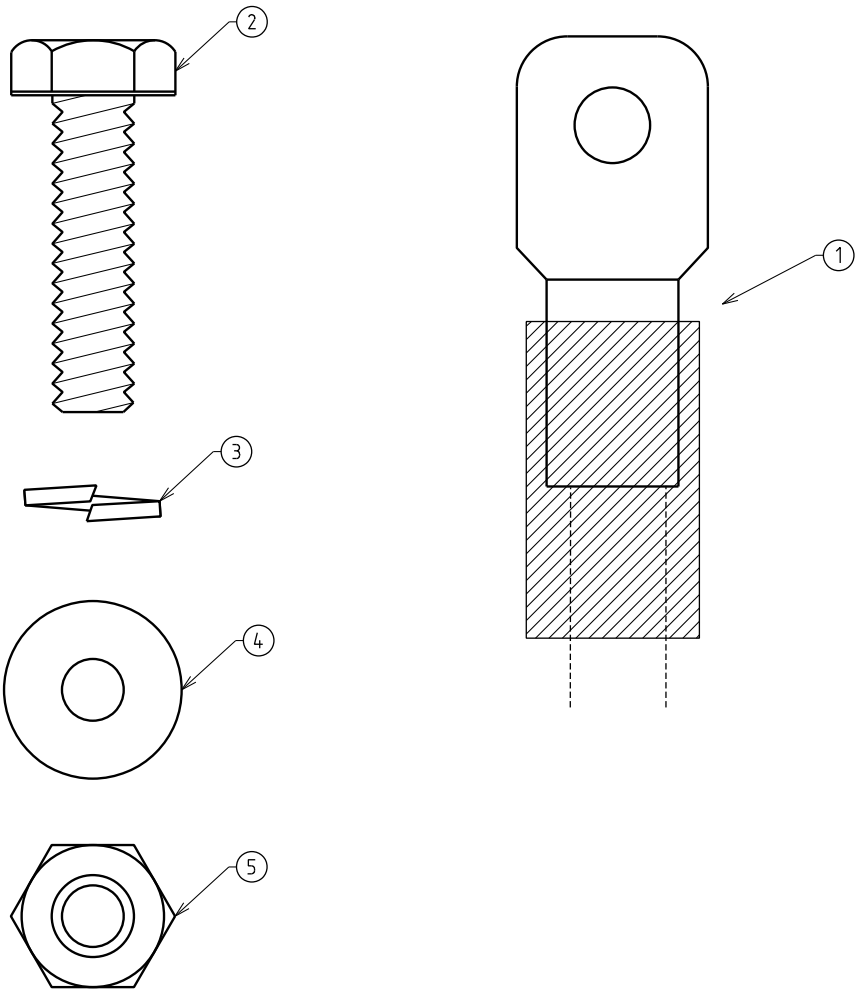
DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 03-12-2018	DRG. No.	
ORIGINATED: CO	SCALE: NTS	LU15	
CHECKED: FK			
APPROVED: GRANT STACY		REV. A	SHT.

CU	CU Description

LU15	Straight joint with service tee 25/120, 25/185 & 25/240				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0070	Straight joint with service	1	ea	
2	KC0014	2-part guroflex resin	5	ea	



REV.	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
B	21.10.24	ADDED FASTENING MATERIALS	SH	SL	CO
A	21.11.19	ORIGINAL ISSUE	CO	NMc	GS

COMPATIBLE UNIT

TITLE

TRANSFORMER LV
CABLE TERMINATION

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 07-11-2019	DRG. No. LU16
ORIGINATED: CO	SCALE: NTS	
CHECKED: NMc		
APPROVED: GRANT STACY		REV. B / SHT.

CU	CU Description

LU16_400CU16 Transformer 400mm² Cu M16 Termination Kit

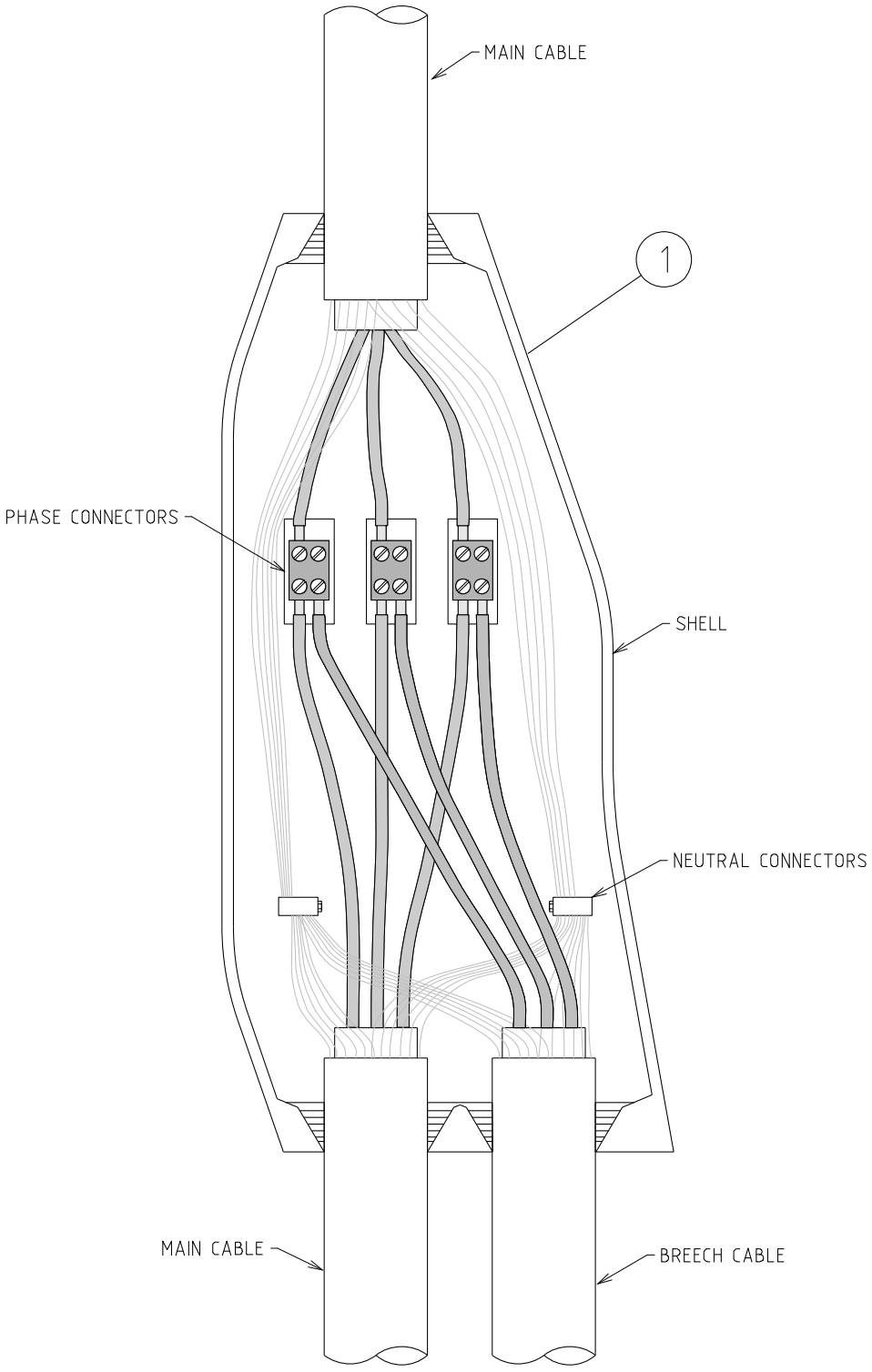
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FL0161	Termination Kit (2 per phase and 1 neutral with heat shrink)	1	ea	1
2	AB2975	Machine Bolt M16 X 55mm LG	7	ea	1
3	AW2440	Washer Flat M16; S/S	14	ea	1
4	AW2441	Washer Spring M16 S/S	7	ea	1
5	AN1496	Hex Nut M16 S/S	7	ea	1

LU16_400CU12 PENDA 400mm² Cu M12 Termination Kit

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FL0160	Termination Kit (2 per phase and 1 neutral with heat shrink)	1	ea	
2	AB2958	Machine Screw M12 X 35mm LG	7	ea	
3	AW2429	Lock Washer Spring 12mm S/S	7	ea	
4	AW2607	Washer Flat M12 S/S	14	ea	
5	AN1495	Hex Nut M12 S/S	7	ea	

LU16_630AL16 Transformer 630mm² Al M16 Termination Kit

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FL0159	Lug for 630mm² Aluminum Cable	7	ea	
2	AB2975	Machine Bolt; M16 X 55mm LG S/S	7	ea	
3	AW2440	Washer Flat M16 S/S	14	ea	
4	AW2441	Washer Spring M16 S/S	7	ea	
5	AN1496	Hex Nut M16 S/S	7	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
C	12.12.18	REDRAWN TO SUIT NEW JOINT BOX	CO	FK	GS
B	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

BREECHES JOINT
240/240 & 185/240

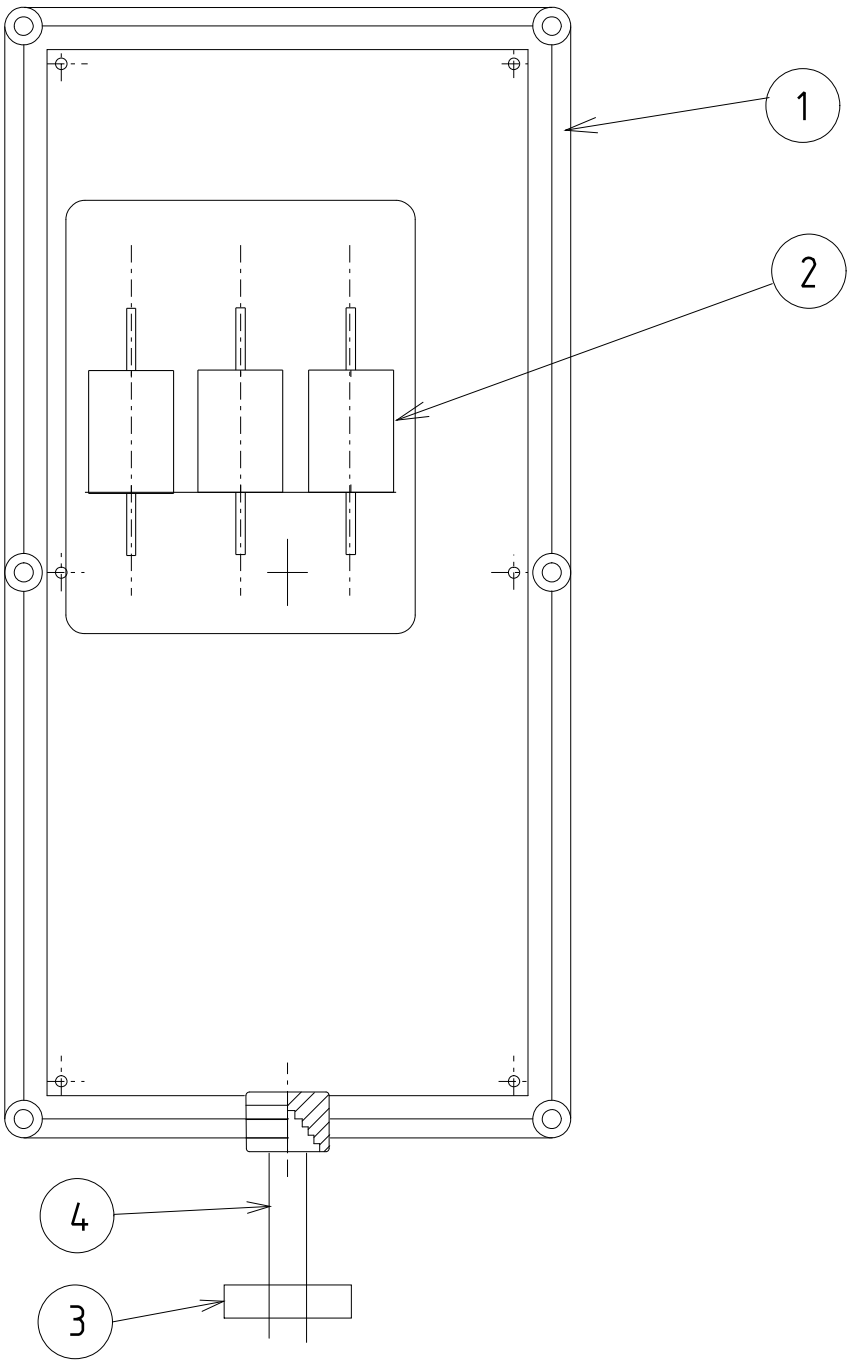
DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 15-04-2014	DRG. No. LU19
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. C / SHT.

CU	CU Description

LU19	Breeches joint 240/240				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0063	breeches joint (Kit only)	1	ea	
1	KC0014	2-part guroflex resin	5	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
A	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

WALL MOUNTED BOX 100A

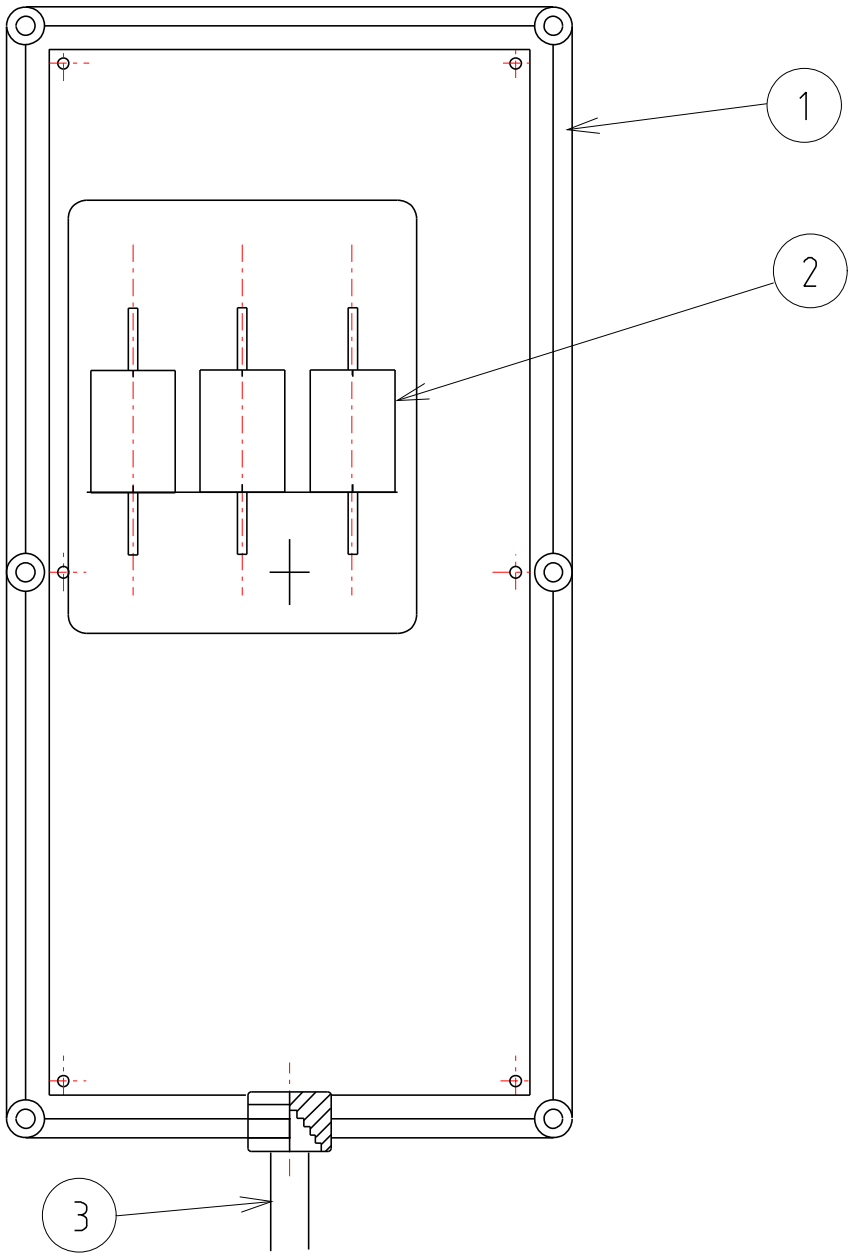
DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 14-04-2014	DRG. No. LU34
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. A / SHT.

CU	CU Description

LU34	Wall mounted box – 100amp				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FB0096	100 amp cutout	1	ea	
2	GF0505	fuse 100amp	3	ea	
3	FM6310	saddle 50mm	3	ea	
4	GC0025	conduit 50mm 4m lg	1	lg	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
B	22.04.02	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

WALL MOUNTED BOX - 200A

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR | DATE: 14-04-2014 | DRG. No. LU35

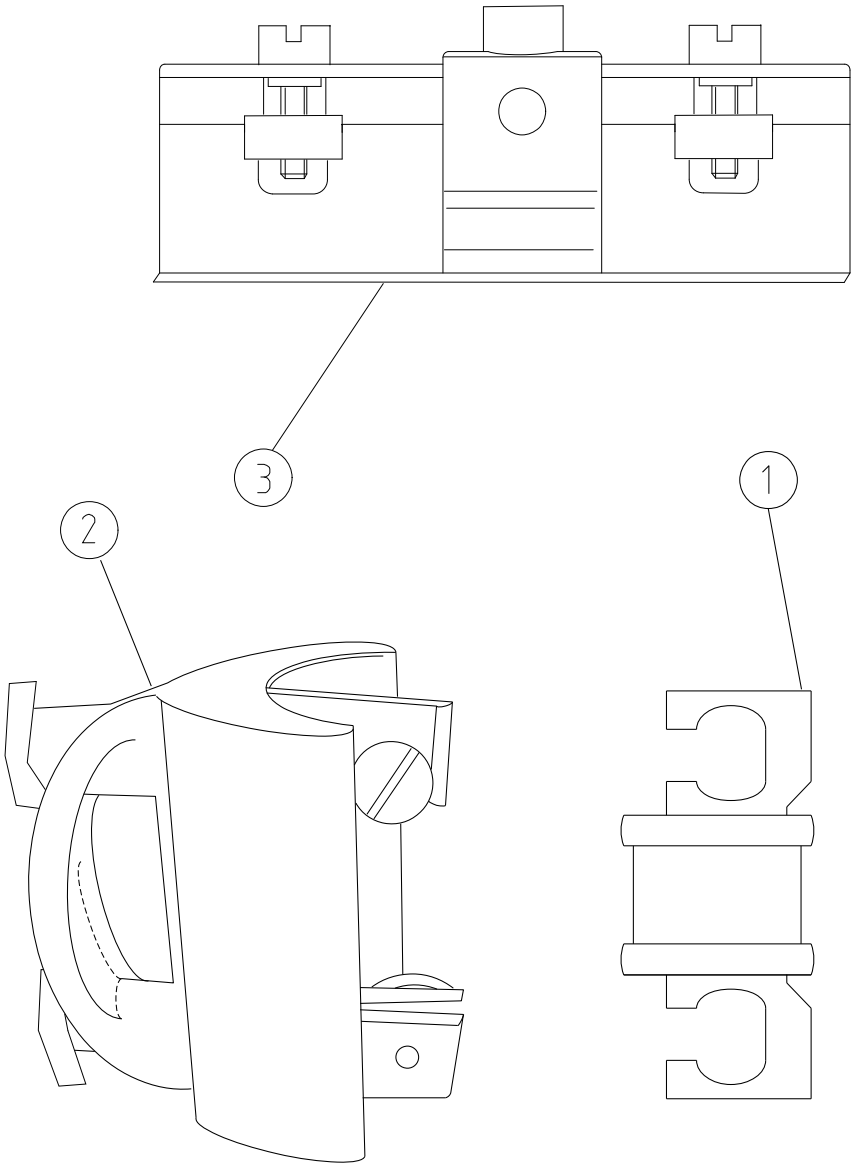
ORIGINATED: | SCALE: NTS

CHECKED: REE

APPROVED: GRANT STACY | REV. B | SHT.

CU	CU Description

LU35	Wall mounted box – 200amp				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FB0097	200 amp cutout	1	ea	
2	GF0512	fuse 200amp	3	ea	
3	GC0028	conduit 80mm 4m lg	1	lg	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
B	08.08.01	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

LV FUSES/LINK
FOR UNIVERSAL PILLAR

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 14-04-2014	DRG. No. LU36
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. B / SHT.

CU	CU Description

LU36_63A	J-type fuse 63A and carrier for universal pillar				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	GF1183	63A fuse	3	ea	
2	GF0260	fuse carrier	3	ea	

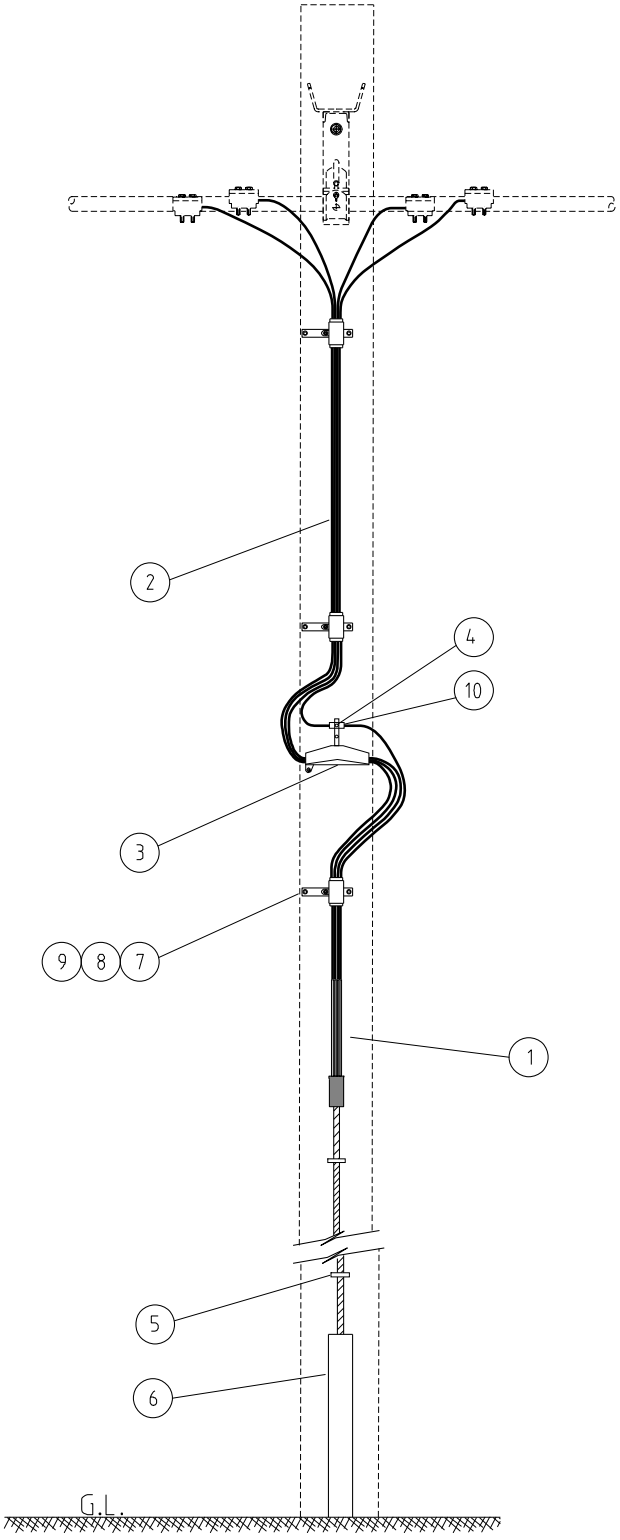
LU36_100A	J-type fuse 100A and carrier for universal pillar				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	GF1185	100A fuse	3	ea	
2	GF0260	fuse carrier	3	ea	

LU36_160A	J-type fuse 160A and carrier for universal pillar				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	GF1187	160A fuse	3	ea	
2	GF0260	fuse carrier	3	ea	

LU36_200A	J-type fuse 200A and carrier for universal pillar				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	GF1188	200A fuse	3	ea	
2	GF0260	fuse carrier	3	ea	

LU36_315A	J-type fuse 315A and carrier for universal pillar				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	GF1190	315A fuse	3	ea	
2	GF0260	fuse carrier	3	ea	

LU36_LINK	Link 400 amp for universal pillar				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
3	GF1504	link 400A	3	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
C	13.11.17	NEUTRAL BLOCK ADDED	CO	JC	GS
B	23.08.17	LV ABC SUPPORTS ADDED, CONNECTION DETAILS CLARIFIED	CO	JC	GS
A	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

120 TO 240mm^2
CABLE TO LV ABC SWITCH

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 14-04-2014	DRG. No. LU37
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY	REV. C	SHT.

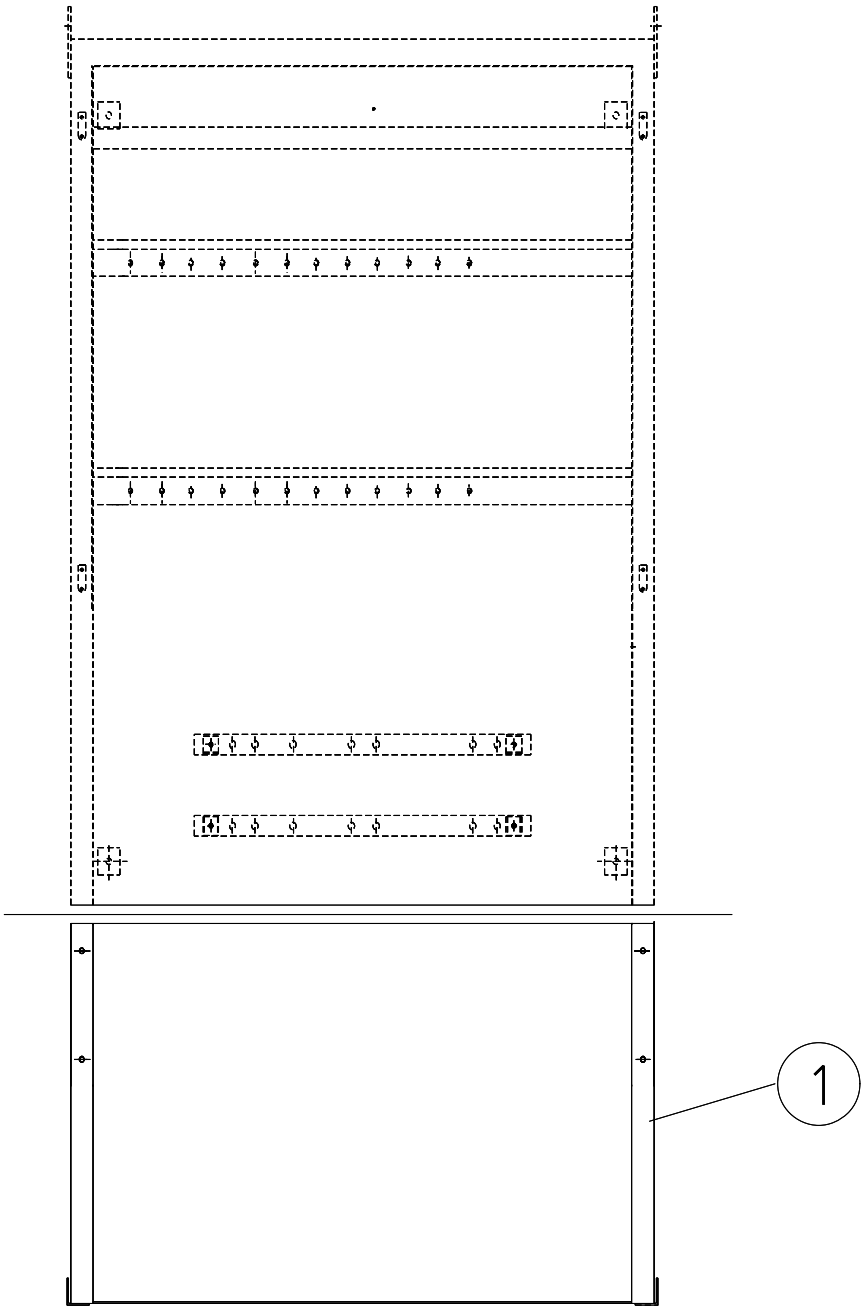
CU	CU Description

LU37_120O	Aerial termination for a 120mm cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
3	GS0111	fuse switch 400A ABC	1	ea	
4	AB6732	Pole bolt – 16dia x 550 mm lg with nut and washers	2	ea	
5	GC7193	32mm saddle	3	ea	
6	HT6320	cable protector	1	ea	
7	CB3055	Bracket	3	ea	
8	CC0101	Conductor Suspension clamp	3	ea	
9	AS1440	Coach Screw	6	ea	
10	GS0109	Neutral Block	1	ea	

LU37_120U	U/G termination 120mm cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FC0499	splice 120 to 95 ABC	1	ea	
2	FT0095	ABC 95 4m long	2	ea	

LU37_240O	Aerial termination for a 240mm cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
3	GS0111	fuse switch 400A ABC	1	ea	
4	AB6732	Pole bolt – 16dia x 550 mm lg with nut and washers	2	ea	
5	GC7195	50mm saddle	3	ea	
6	HT6320	cable protector	1	ea	
7	CB3055	Bracket	3	ea	
8	CC0110	Conductor Suspension clamp	3	ea	
9	AS1440	Coach Screw	6	ea	
10	GS0109	Neutral Block	1	ea	

LU37_240U	U/G termination 240mm cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FC0499	splice 150 ABC to 240	1	ea	
2	FT0150	ABC 150 4m long	2	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD
A	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

BASE FOR LV KIOSK TYPE 1

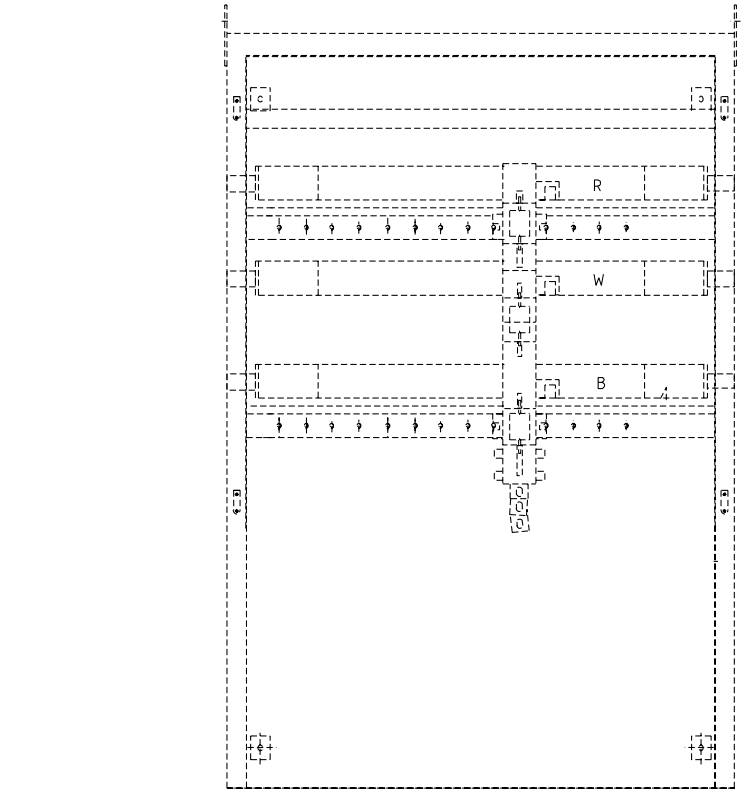
DISTRIBUTION DESIGN CATALOGUE

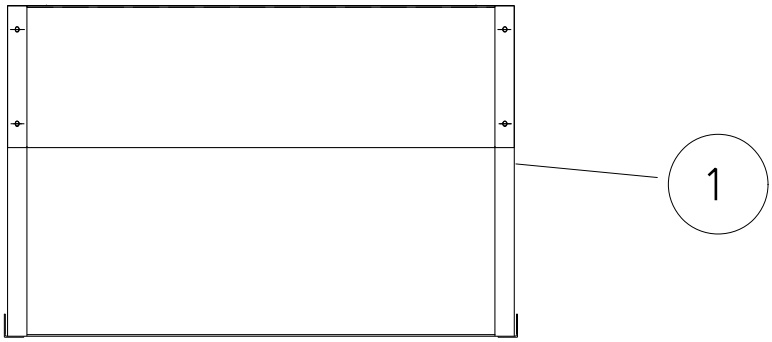
westernpower

DRAWN: JRR	DATE: 14-04-2014	DRG. No. LU41
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. A SHT.

CU	CU Description

LU41	Base for LV kiosk type 1				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	CB0493	feeder pillar base	1	ea	





REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
A	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

BASE FOR LV KIOSK TYPE 2

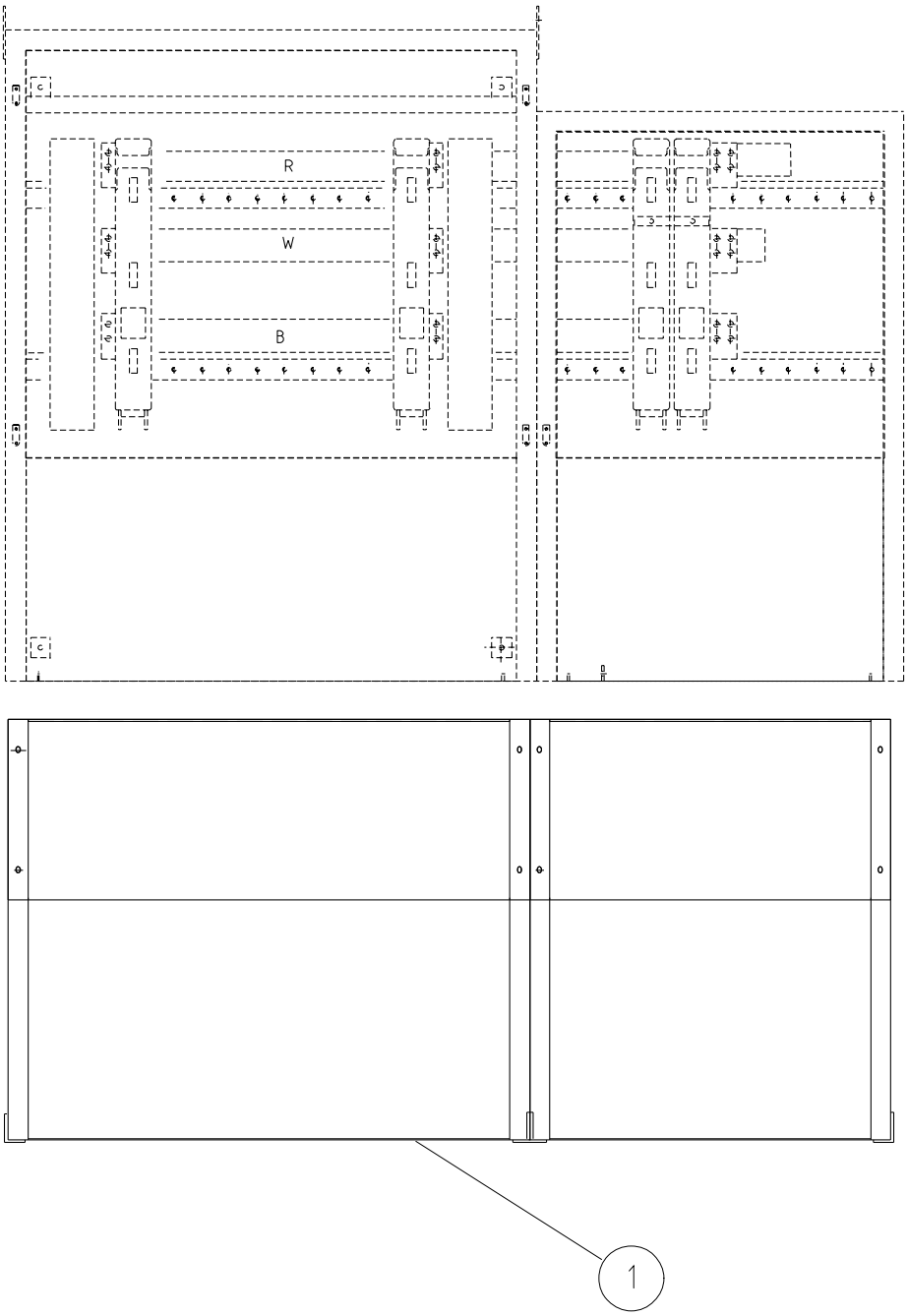
DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 14-04-2014	DRG. No. LU42
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. A / SHT.

CU	CU Description

LU42	Base for LV kiosk type 2				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	CB0495	cabinet base	1	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
A	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

BASE FOR LV KIOSK TYPE 3

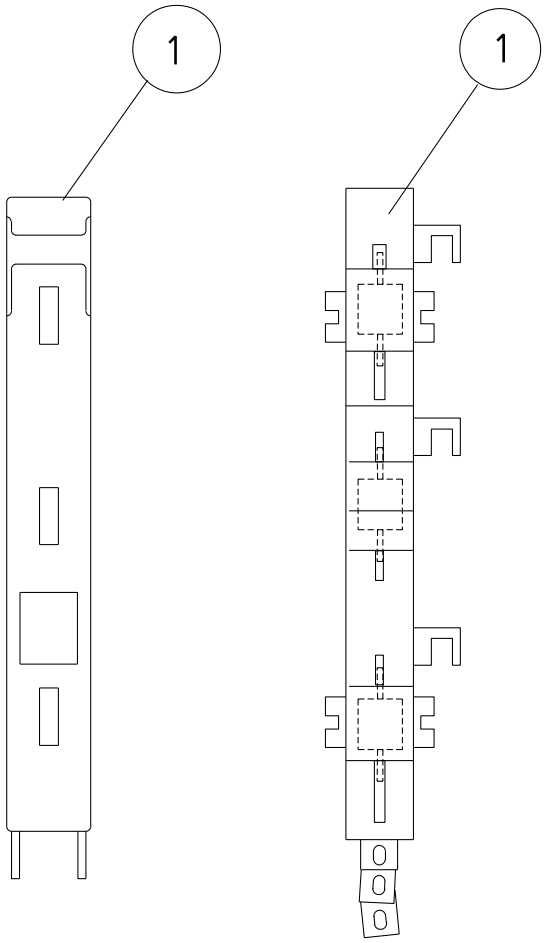
DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 14-04-2014	DRG. No. LU43
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. A / SHT.

CU	CU Description

LU43	Base for LV kiosk type 3				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	CB0493	feeder pillar base	1	ea	
2	CB0495	cabinet base	1	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
A	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

FUSE SWITCH 400A COVER
WITH 630A BASE

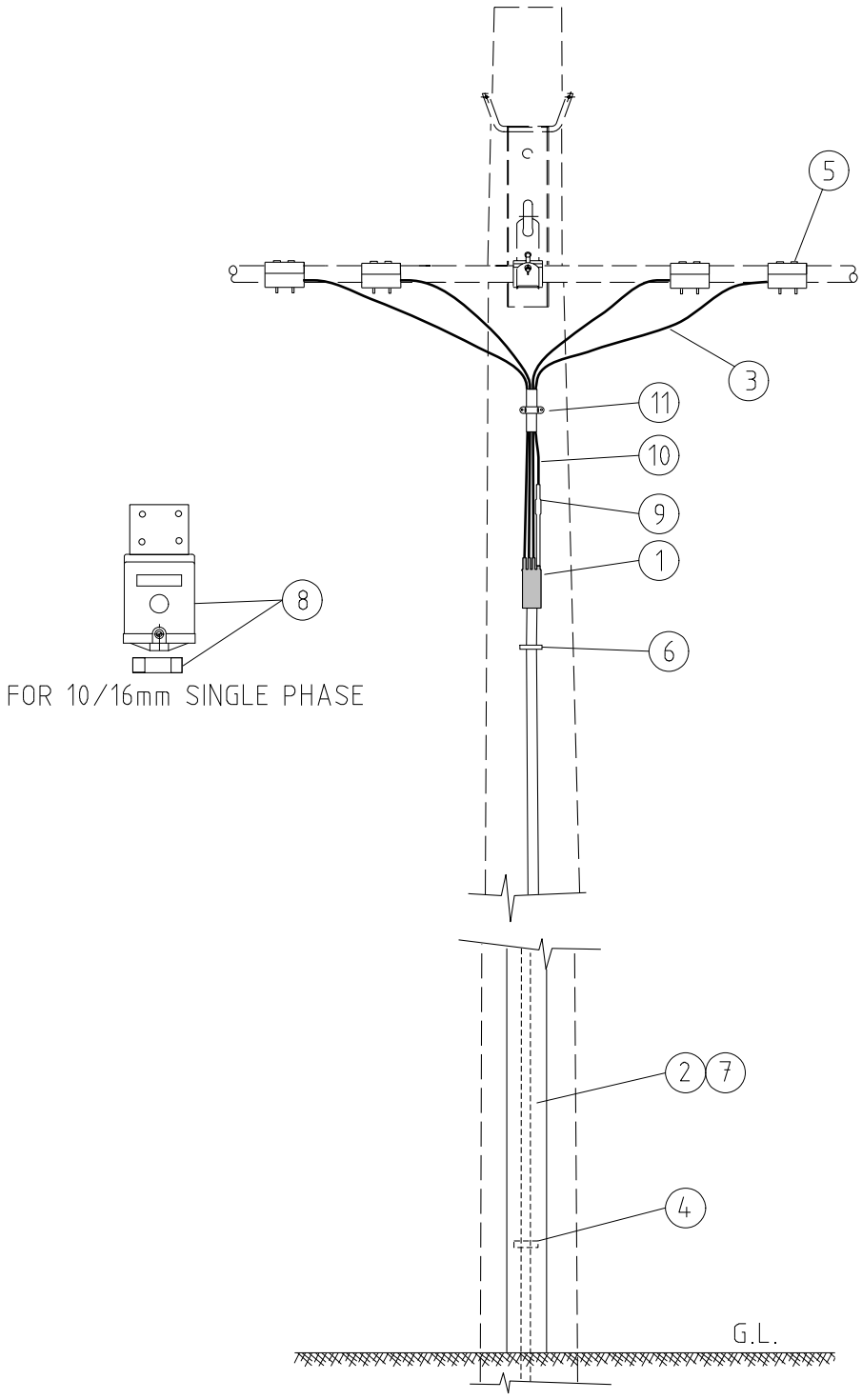
DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 14-04-2014	DRG. No. LU44
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. A / SHT.

CU	CU Description

LU44	Fuse switch 400 A cover with 630 A base				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FB0095	switch 630A base/400 A cover	1	ea	WPS to install



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
E	31.10.19	ADDED ITEM 10	CO	NMc	GS
D	26.08.19	ADDED ITEMS 9 & 11	CO	NMc	GS
C	22.04.02	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

CABLE TO LV ABC 25mm XLPE

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR | DATE: 14-04-2014 | DRG. No.

ORIGINATED: | SCALE: NTS | LU50-1

CHECKED: REE

APPROVED: GRANT STACY | REV. E | SHT.

CU	CU Description

LU50_25/95O	OH Termination 25mm CU to 95 ABC				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
2	GC0010	conduit 50mm 4m lg	1	ea	
4	GC7195	conduit saddle 50mm	3	ea	
5	CC0085	ABC 95 IPC	4	ea	
6	GC7192	saddle 25mm	5	ea	
7	HT6320	cable protector	1	ea	
11	GC7193	Conduit saddle 32mm	1	ea	

LU50_25/95U	UG Termination 25mm CU to 95 ABC				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0031	heat shrink glove	1	ea	
3	FE0071	insulation sleeving black	10	mr	
9	FC0500	Single core insulated splice	1	ea	
10	EE1201	Black 25mm^2 single core cable	3	mr	

LU50_25/150O	OH Termination 25mm CU to 150 ABC				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
2	GC0010	conduit 50mm 4m lg	1	ea	
4	GC7195	conduit saddle 50mm	3	ea	
5	CC0085	ABC 150 IPC	4	ea	
6	GC7192	saddle 25mm	5	ea	
7	HT6320	cable protector	1	ea	
11	GC7193	Conduit saddle 32mm	1	ea	

LU50_25/150U	UG Termination 25mm CU to 150 ABC				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0031	heat shrink glove	1	ea	
3	FE0071	insulation sleeving black	10	mr	
9	FC0500	Single core insulated splice	1	ea	
10	EE1201	Black 25mm^2 single core cable	3	mr	

CU	CU Description

LU50_101695O OH Termination 10/16mm CU to 95 ABC

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
2	GC7842	conduit 25mm 4m lg	1	ea	
4	GC7192	conduit saddle 25mm	3	ea	
5	CC0085	ABC 95 IPC	2	ea	
6	GC7190	saddle 16mm	5	ea	
7	HT6320	cable protector	1	ea	
8	GF1801	fuse holder 100amp	1	ea	
8	GF1940	fuse cartridge 32amp	1	ea	
8	CB3019	mounting bracket	1	ea	
8	CB3054	flowline mounting bracket	1	ea	
11	GC7193	Conduit saddle 32mm	1	ea	

LU50_101695U UG Termination 10/16mm CU to 95 ABC

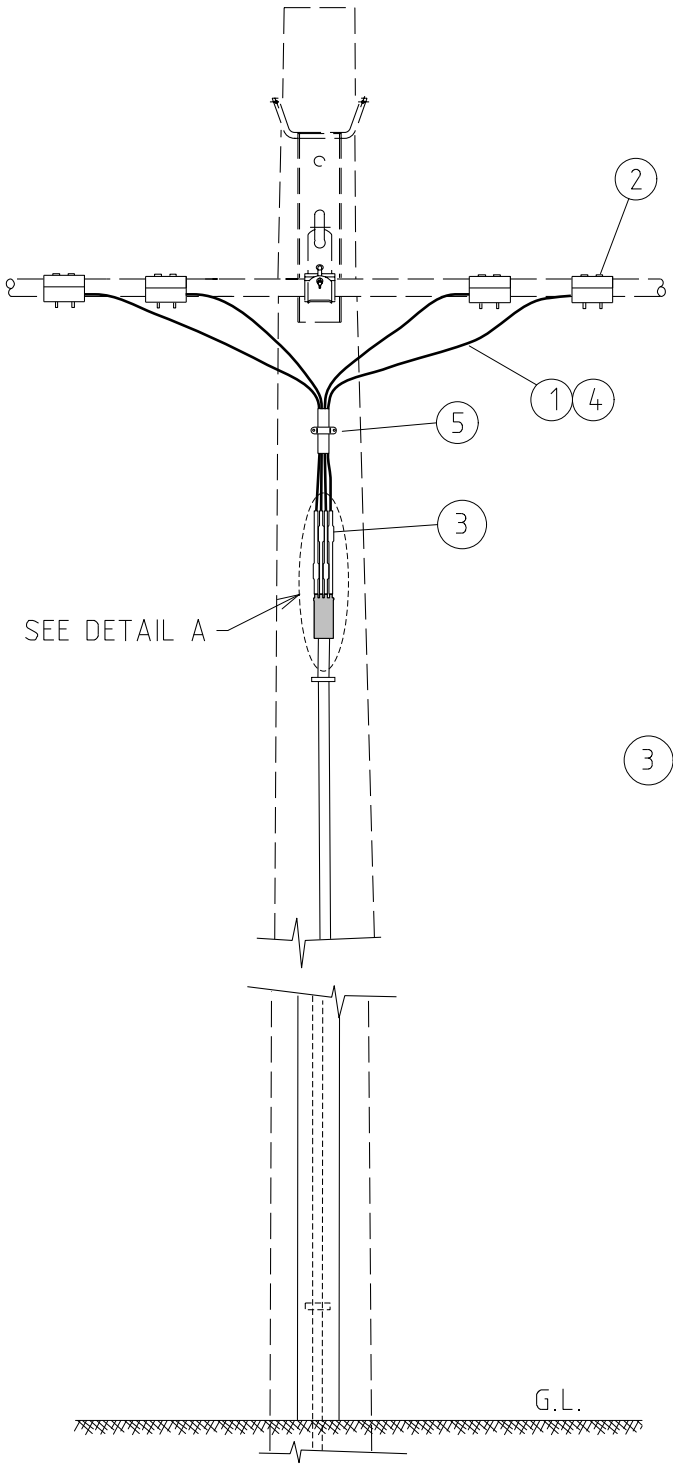
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0032	heat shrink glove	1	ea	
3	FE0071	insulation sleeving black	6	mr	
9	FC0500	Single core insulated splice	1	ea	
10	EE1201	Black 25mm^2 single core cable	3	mr	

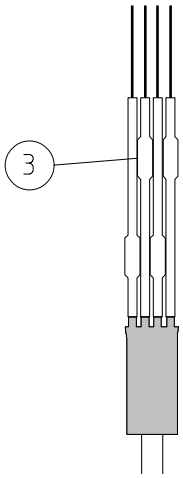
LU50_1016O OH Termination 10/16mm CU to 150 ABC

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
2	GC7842	conduit 25mm 4m lg	1	ea	
4	GC7192	conduit saddle 25mm	3	ea	
5	CC0085	ABC 150 IPC	2	ea	
6	GC7190	saddle 16mm	5	ea	
7	HT6320	cable protector	1	ea	
8	GF1801	fuse holder 100amp	1	ea	
8	GF1940	fuse cartridge 32amp	1	ea	
8	CB3019	mounting bracket	1	ea	
8	CB3054	flowline mounting bracket	1	ea	
11	GC7193	Conduit saddle 32mm	1	ea	

CU	CU Description

LU50_1016U	UG Termination 10/16mm CU to 150 ABC				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0032	heat shrink glove	1	ea	
3	FE0071	insulation sleeving black	6	mr	
9	FC0500	Single core insulated splice	1	ea	
10	EE1201	Black 25mm^2 single core cable	3	mr	





DETAIL A

REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
A	26.11.21	ORIGINAL ISSUE	SH	CO	GS

COMPATIBLE UNIT

TITLE

CABLE EXTENSION TO LV ABC

DISTRIBUTION DESIGN CATALOGUE

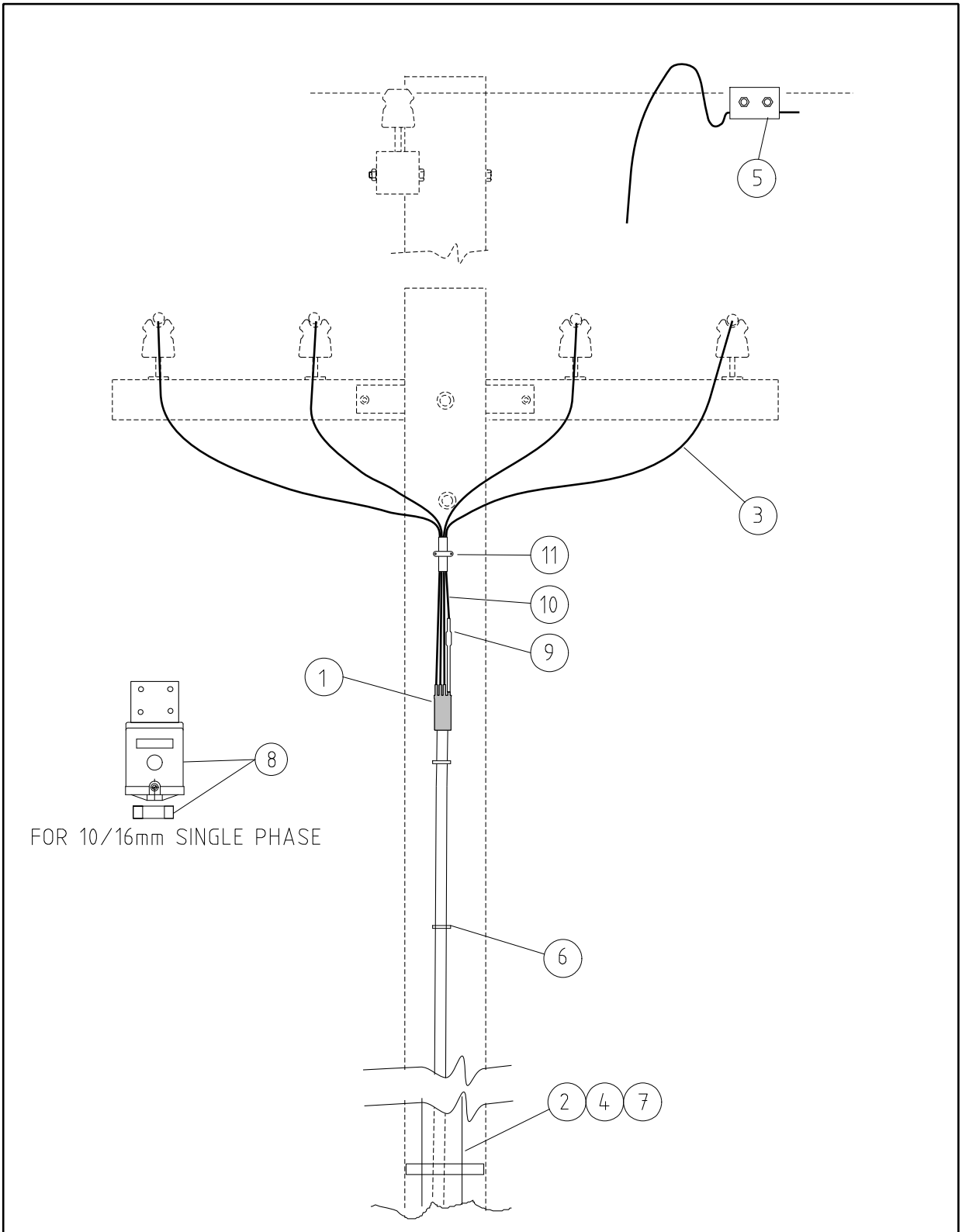
westernpower

DRAWN: JRR	DATE: 16-11-2021	DRG. No. LU50-2
ORIGINATED: SH	SCALE: NTS	
CHECKED: CO		
APPROVED: GRANT STACY		REV. A / SHT.

CU	CU Description

LU50_EXT_25C	UG cable extension or reattachment 25mm LVAB				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0071	insulation sleeving black (15mmID)	16	mtr	
2	CC0079	IPC ABC	4	ea	
3	FC0500	Single core insulated splice	4	ea	
4	EE1201	Black 25mm^2 single core cable	16	mtr	
5	GC7193	Conduit saddle 32mm	4	ea	

LU50_EXT_16C	UG cable extension or reattachment 16mm LVAB				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0071	insulation sleeving black (15mmID)	8	mtr	
2	CC0079	IPC ABC	2	ea	
3	FC0500	Single core insulated splice	2	ea	
4	EE1435	Black 16mm^2 single core cable	8	mtr	
5	GC7191	Conduit saddle 20mm	4	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
D	31.10.19	ADDED ITEM 10	CO	NMc	GS
C	26.08.19	ADDED ITEMS 9 & 11	CO	NMc	GS
B	22.04.02	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

CABLE TO LV BARE 25mm XLPE

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 14-04-2014	DRG. No. LU51-1
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. D / SHT.

CU	CU Description

LU51_25ALO	OH Termination 25mm CU cable to Aluminium Conductor				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
2	GC0010	conduit 50mm 4m lg	1	ea	
4	GC7195	conduit saddle 50mm	3	ea	
5	CC0125	bi-metal parallel groove clamp	4	ea	
6	GC7192	saddle 25mm	5	ea	
7	HT6320	cable protector	1	ea	
11	GC7193	Conduit saddle 32mm	1	ea	

LU51_25ALU	UG Termination 25mm CU cable to Aluminium Conductor				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0031	heat shrink glove	1	ea	
3	FE0071	insulation sleeving black (15mmID)	10	mr	
9	FC0500	Single core insulated splice	1	ea	
10	EE1201	Black 25mm^2 single core cable	3	mr	

LU51_25CUO	OH Termination 25mm CU cable to Copper Conductor				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
2	GC0010	conduit 50mm 4m lg	1	ea	
4	GC7195	conduit saddle 50mm	3	ea	
5	CC0125	parallel groove clamp	4	ea	
6	GC7192	saddle 25mm	5	ea	
7	HT6320	cable protector	1	ea	
11	GC7193	Conduit saddle 32mm	1	ea	

LU51_25CUU	UG Termination 25mm CU cable to Copper Conductor				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0031	heat shrink glove	1	ea	
3	FE0071	insulation sleeving black (15mmID)	10	mr	
9	FC0500	Single core insulated splice	1	ea	
10	EE1201	Black 25mm^2 single core cable	3	mr	

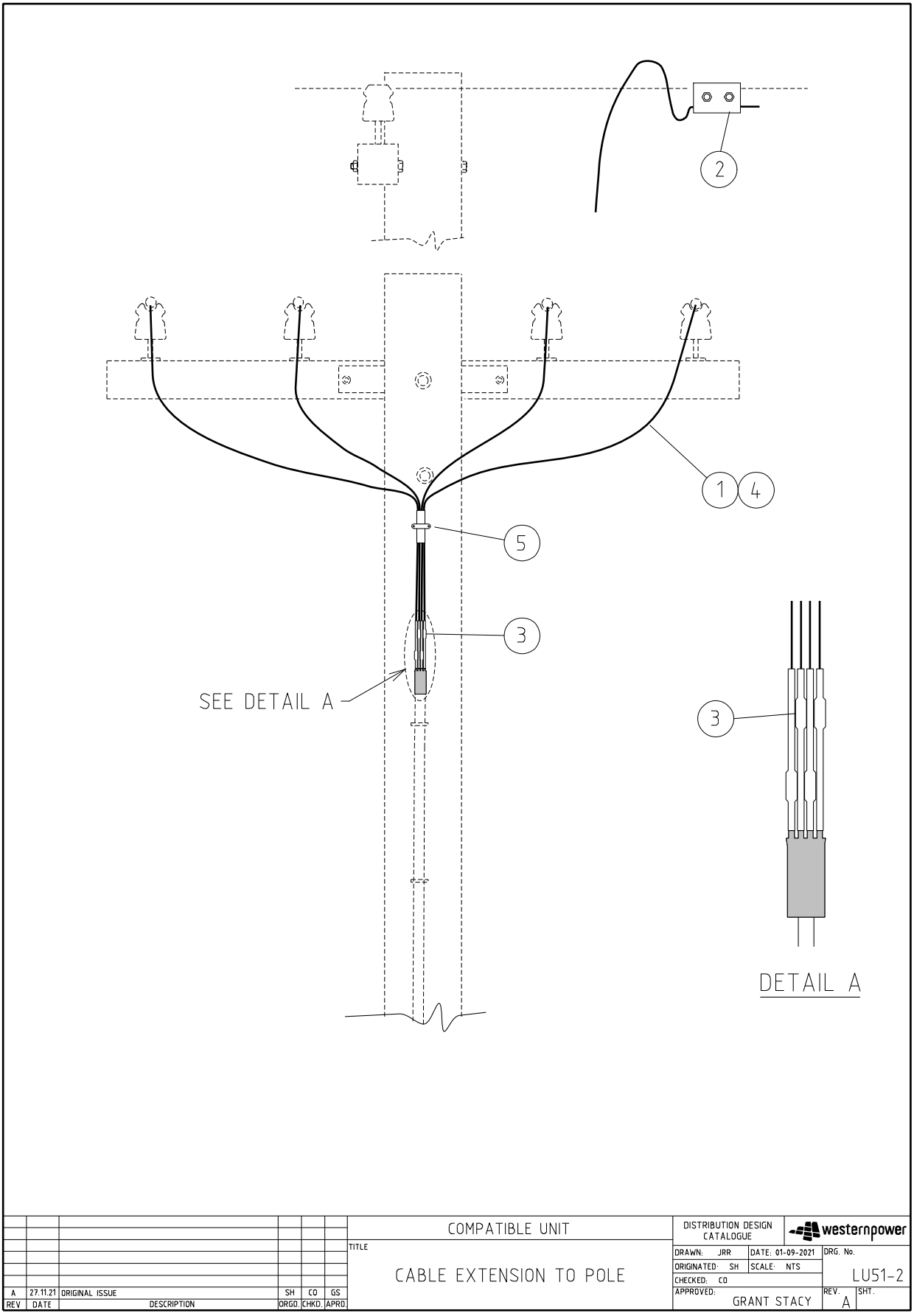
CU	CU Description

LU51_1016ALO	OH Termination 10/16mm CU Cable to AL Conductor				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
2	GC7842	conduit 25mm 4m lg	1	ea	
4	GC7192	conduit saddle 25mm	3	ea	
5	CC0125	bi-metal parallel groove clamp	2	ea	
6	GC7190	saddle 16mm	5	ea	
7	HT6320	cable protector	1	ea	
8	GF1801	fuse holder 100amp	1	ea	
8	GF1940	fuse cartridge 32amp	1	ea	
11	GC7193	Conduit saddle 32mm	1	ea	

LU51_1016ALU	UG Termination 10/16mm CU Cable to AL Conductor				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0032	heat shrink glove	1	ea	
3	FE0071	insulation sleeving black	6	mr	
9	FC0500	Single core insulated splice	1	ea	
10	EE1201	Black 25mm^2 single core cable	3	mr	

LU51_1016CUO	OH Termination 10/16mm CU Cable to CU Conductor				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
2	GC7842	conduit 25mm 4m lg	1	ea	
4	GC7192	conduit saddle 25mm	3	ea	
5	CC0125	bi-metal parallel groove clamp	2	ea	
6	GC7190	saddle 16mm	5	ea	
7	HT6320	cable protector	1	ea	
8	GF1801	fuse holder 100amp	1	ea	
8	GF1940	fuse cartridge 32amp	1	ea	
11	GC7193	Conduit saddle 32mm	1	ea	

LU51_1016CUU	UG Termination 10/16mm CU Cable to CU Conductor				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0032	heat shrink glove	1	ea	
3	FE0071	insulation sleeving black	6	mr	
9	FC0500	Single core insulated splice	1	ea	
10	EE1201	Black 25mm^2 single core cable	3	mr	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
A	27.11.21	ORIGINAL ISSUE	SH	CO	GS

COMPATIBLE UNIT

TITLE

CABLE EXTENSION TO POLE

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 01-09-2021	DRG. No. LU51-2
ORIGINATED: SH	SCALE: NTS	
CHECKED: CO		
APPROVED: GRANT STACY		REV. A / SHT.

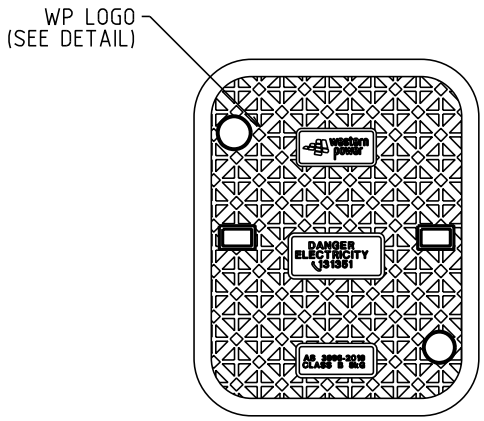
CU	CU Description

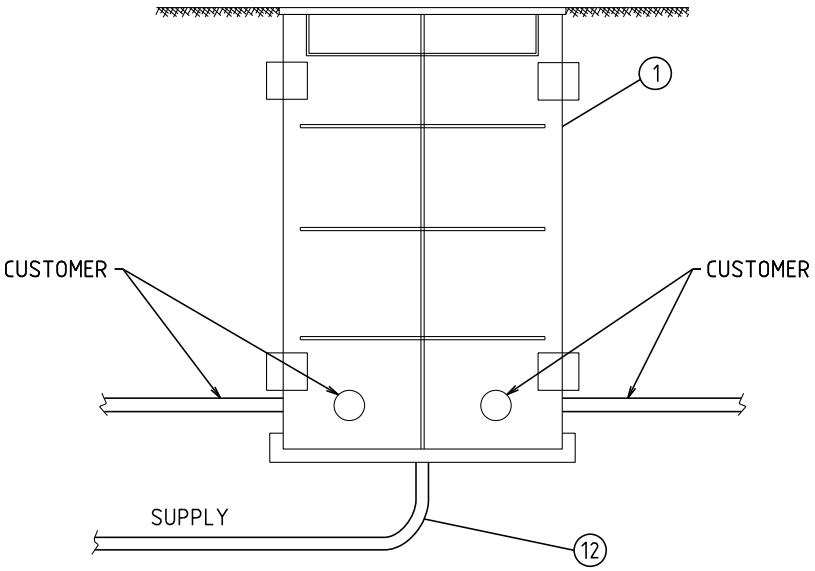
LU51_EXT_25C	UG cable extension or reattachment 25mmCU				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0071	insulation sleeving black (15mmID)	16	mtr	
2	CC0130	PG Clamp Copper to copper	4	ea	
3	FC0500	Single core insulated splice	4	ea	
4	EE1201	Black 25mm^2 single core cable	16	mtr	
5	GC7193	Conduit saddle 32mm	4	ea	

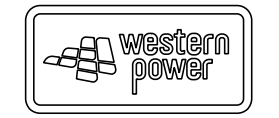
LU51_EXT_25A	UG cable extension or reattachment 25mm AL				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0071	insulation sleeving black (15mmID)	16	mtr	
2	CC0125	PG Clamp Bi-metalic	4	ea	
3	FC0500	Single core insulated splice	4	ea	
4	EE1201	Black 25mm^2 single core cable	16	mtr	
5	GC7193	Conduit saddle 32mm	4	ea	

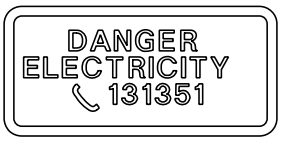
LU51_EXT_16C	UG cable extension or reattachment 16mm CU				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0071	insulation sleeving black (15mmID)	8	mtr	
2	CC0130	PG Clamp Copper to copper	2	ea	
3	FC0500	Single core insulated splice	2	ea	
4	EE1201	Black 25mm^2 single core cable	8	mtr	
5	GC7191	Conduit saddle 20mm	4	ea	

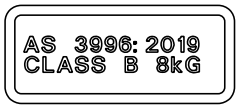
LU51_EXT_16A	UG cable extension or reattachment 16mm AL				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FE0071	insulation sleeving black (15mmID)	8	mtr	
2	CC0125	PG Clamp Bi-metalic	2	ea	
3	FC0500	Single core insulated splice	2	ea	
4	EE1201	Black 25mm^2 single core cable	8	mtr	
5	GC7191	Conduit saddle 20mm	4	ea	



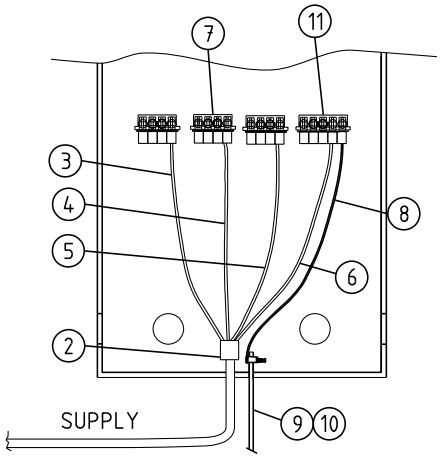








WP LOGO



REV.	DATE	DESCRIPTION	ORGD.	CHKD.	APRD
G	09.06.25	PIT AND CONNECTORS CHANGED	NG	SH	CO
F	23.05.22	GEL PORT TYPE CHANGED	CO	SH	GS
E	22.06.21	ITEM 12 ADDED	CO	REE	GS

COMPATIBLE UNIT

LV SERVICE CABLE PIT

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR | DATE: 15-04-2014 | DRG. No. LU52

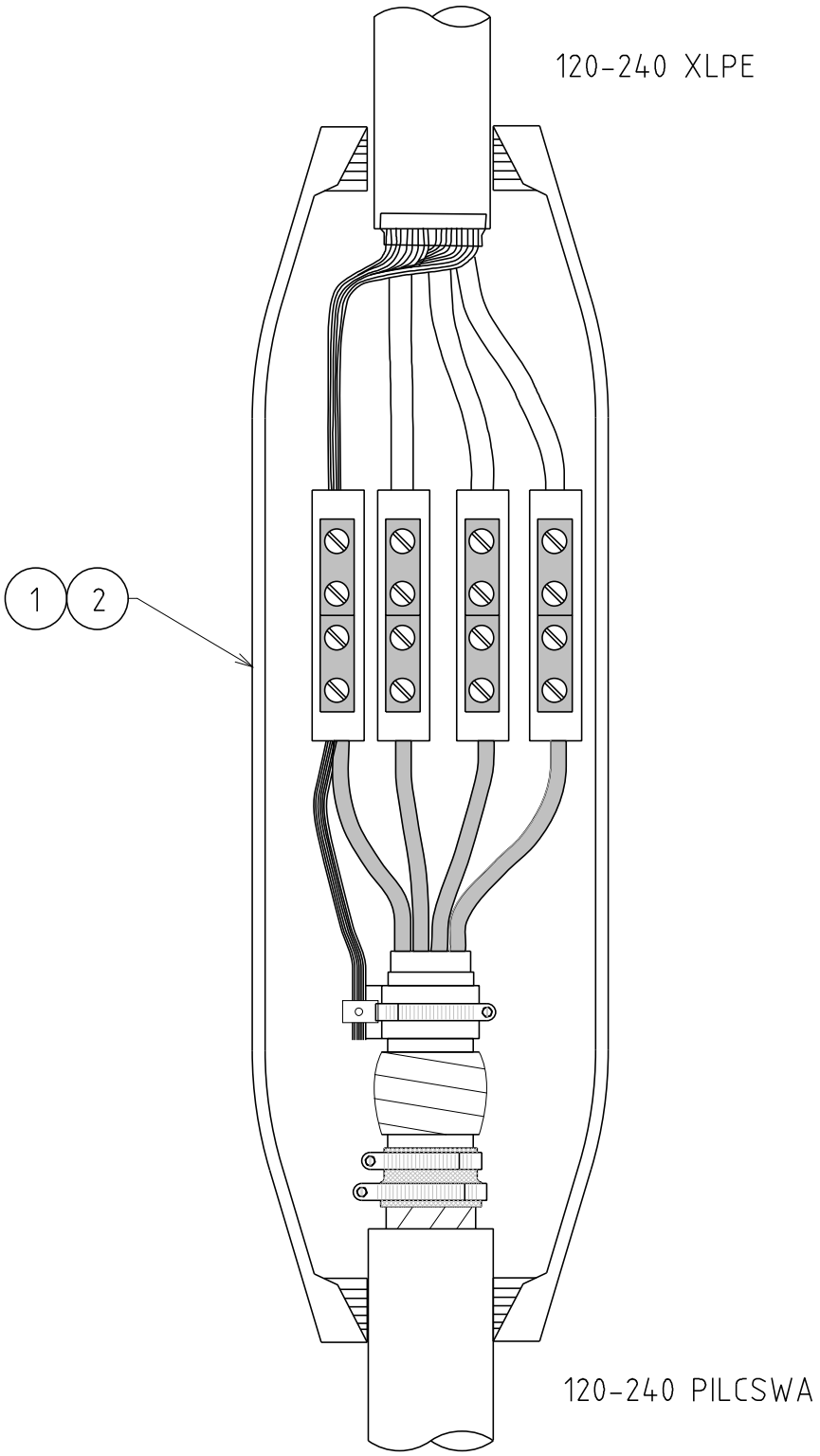
ORIGINATED: | SCALE: NTS

CHECKED: REE

APPROVED: GRANT STACY | REV. G | SHT. 1/1

CU	CU Description

LU52	Cable Service pit (Conditional Use – e.g Micro lots)				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FB0052	Service pit	1	ea	Max. 2x 3ph serv. + 1ph UMS
2	FE0109	4-finger glove and black heatshrink sleeving	1	ea	
3	FE0102	red heatshrink sleeving	1	ea	
4	FE0103	white heatshrink sleeving	1	ea	
5	FE0104	blue heatshrink sleeving	1	ea	
6	FE0071	black heatshrink sleeving	1	ea	
7	CC0846	4-port gel port	3	ea	
8	EE1205	25mm^2 earth cable	2	m	
9	CE0055	earth clamp	1	ea	
10	CE0135	earth rod	1	ea	
11	CC0851	5-port gel port	1	ea	
12	GC0025	4m length conduit	1	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD
B	24.12.20	DETAILS REVISED	CO	NN	GS
A	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

TRANSITION JOINT
120-240 PILCSWA TO 120-240 XLPE

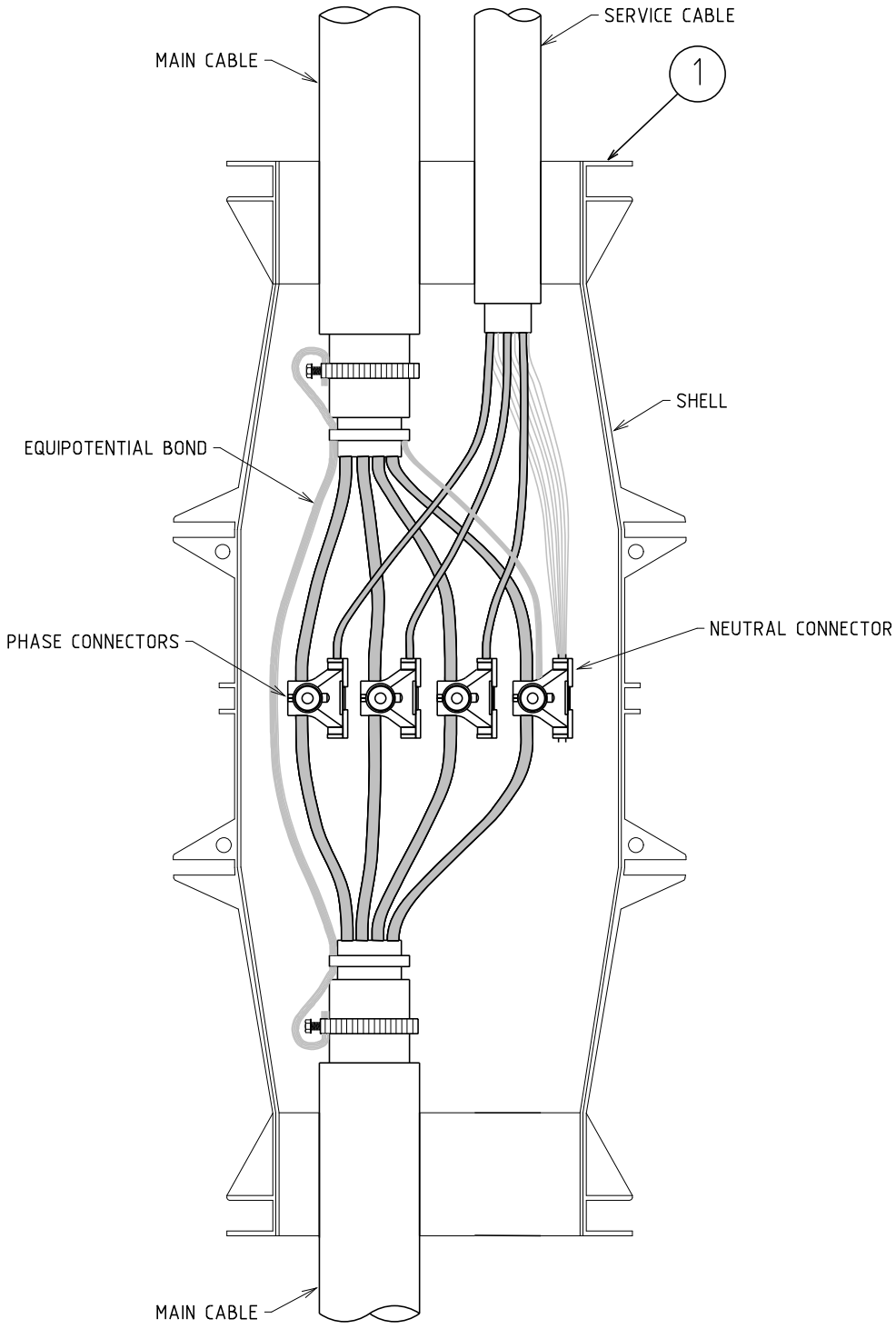
DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 15-04-2014	DRG. No. LU53
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. B / SHT.

CU	CU Description

LU53	Transition Jn 120-240PILC to 120-240XLPE				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0065	Transition joint	1	ea	
2	KC0014	2-part guroflex resin	5	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD
B	04.07.20	REDRAWN TO SUIT NEW JOINT BOX	CO	FK	GS
A	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

TEE JOINT
150 PILCSWA TO 25 XLPE

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR | DATE: 15-04-2014 | DRG. No. LU54

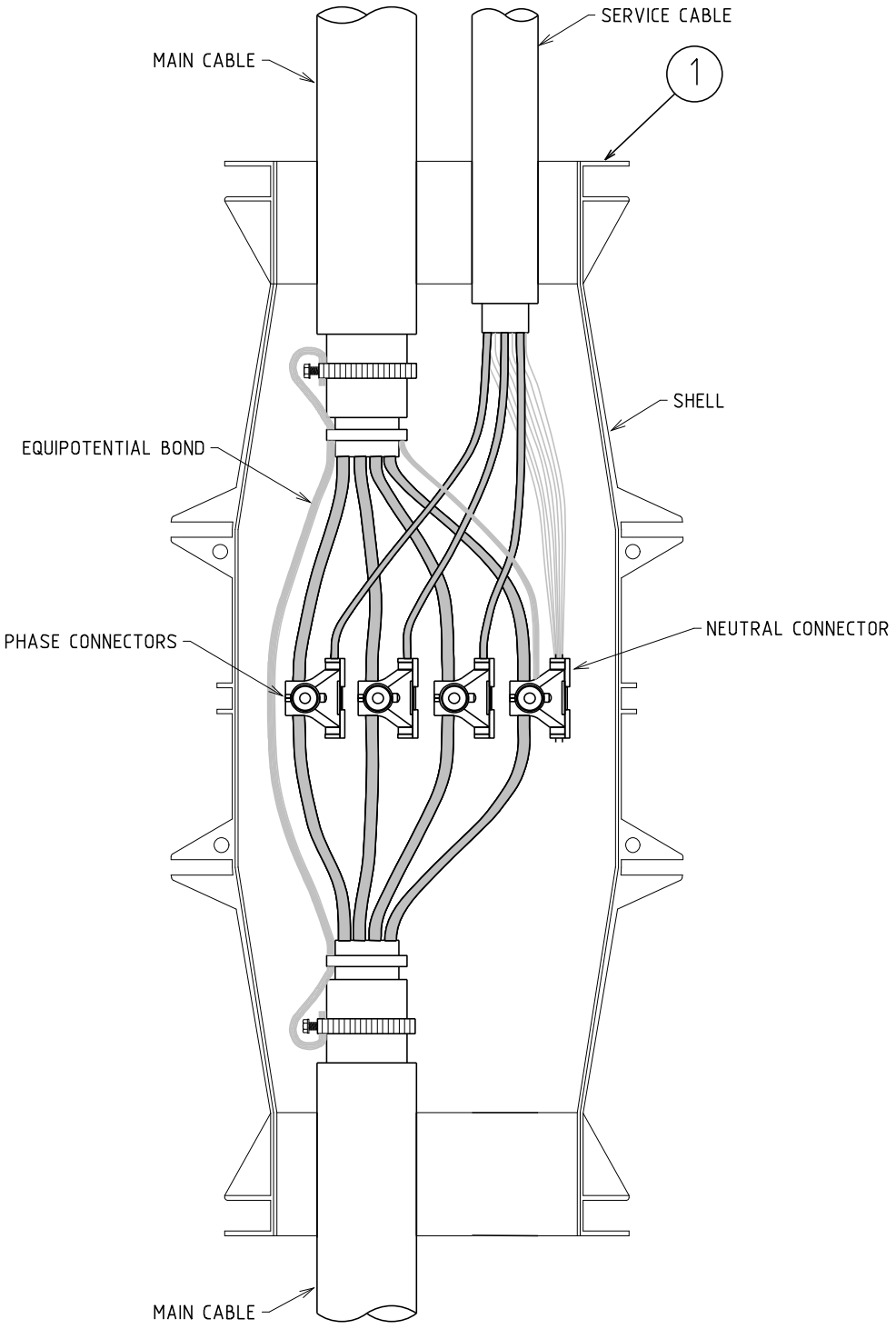
ORIGINATED: | SCALE: NTS

CHECKED: REE

APPROVED: GRANT STACY | REV. B | SHT.

CU	CU Description

LU54	Tee joint–150 pilcswa to 25 xlpe				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0048	tee joint including resin	1	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD
C	07.04.20	REDRAWN TO SUIT NEW JOINT BOX	CO	FK	GS
A	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

TEE JOINT
240 PILCSWA TO 25 XLPE

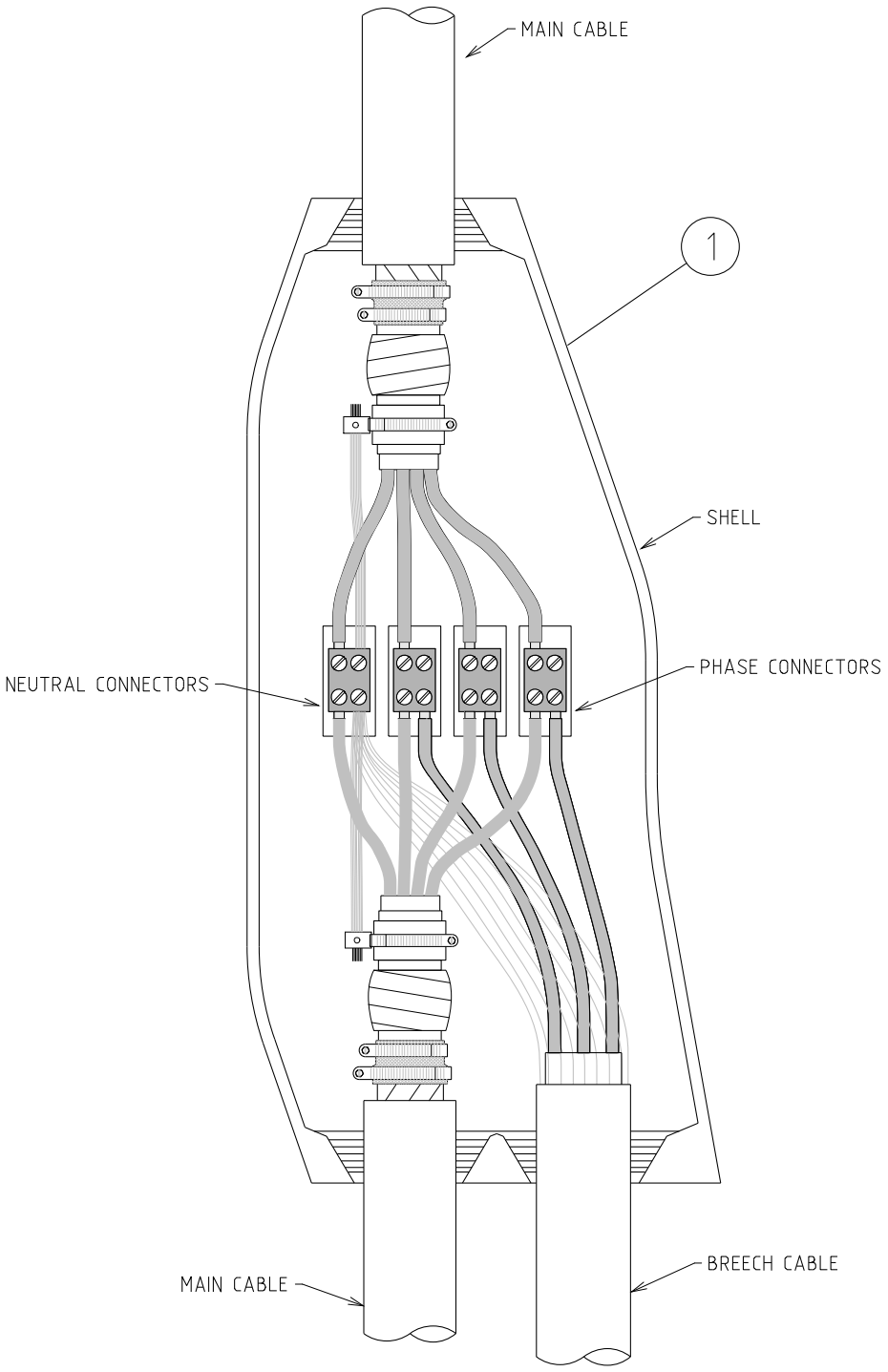
DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 15-04-2014	DRG. No. LU55
ORIGINATED:	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. B / SHT.

CU	CU Description

LU55	Tee joint–240 pilcswa to 25 xlpe				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0048	tee joint including resin	1	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
D	30.08.21	REDRAWN TO SUIT NEW JOINT BOX	CO	KT	GS
C	09.08.16	ITEM NUMBERS REVISED	JC	REE	GS
B	30.06.16	ITEM NUMBERS CHANGED	JC	REE	GS
A	21.01.99	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

BREECHES JOINT
240 PILCSWA TO 240 XLPE

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR | DATE: 22-06-2016 | DRG. No. LU57

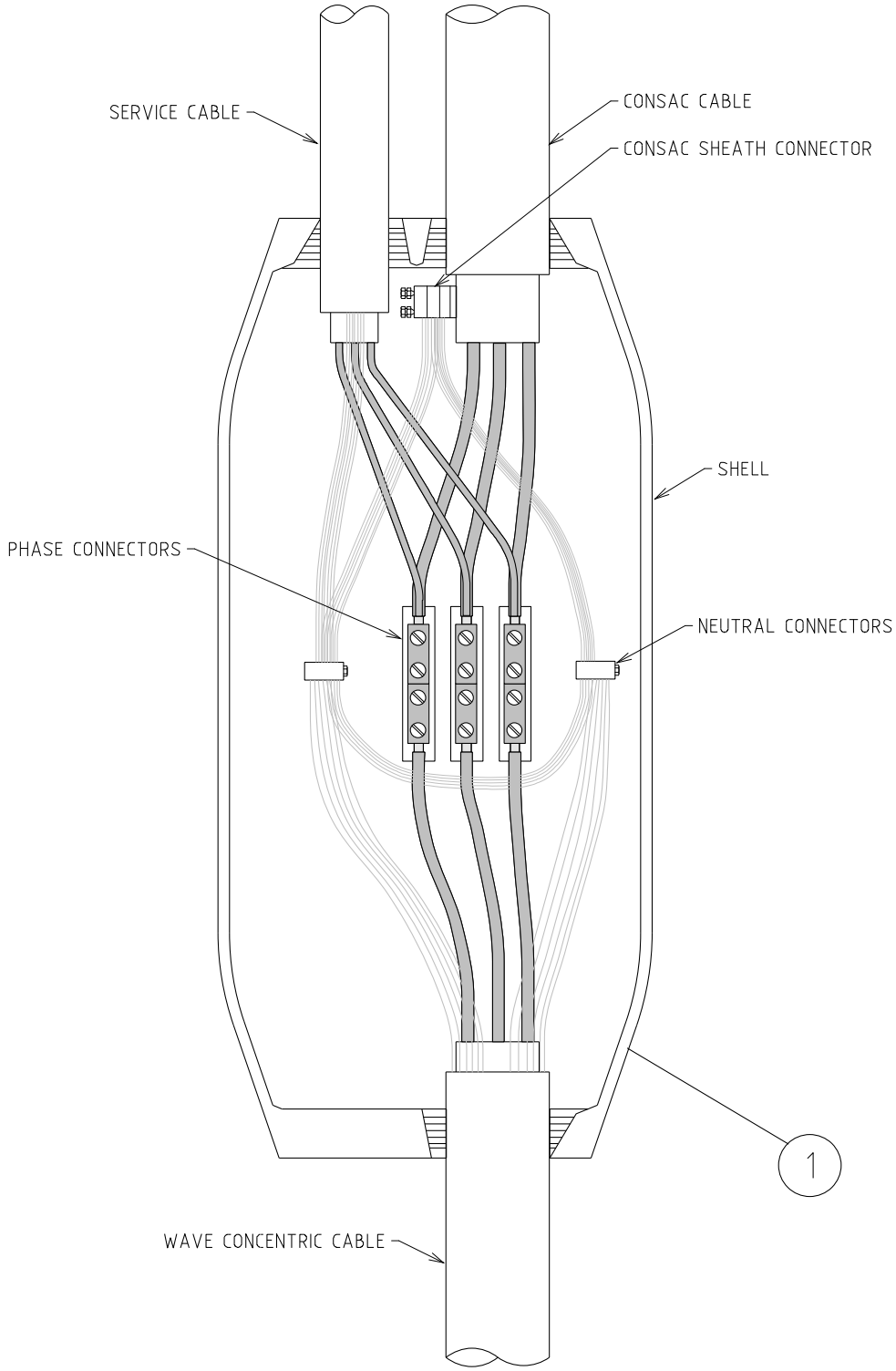
ORIGINATED: JC | SCALE: NTS

CHECKED: REE

APPROVED: GRANT STACY | REV. D | SHT.

CU	CU Description

LU57	Breech joint–240 pilcswa to 240 xlpe				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0069	Breech joint (kit only)	1	ea	
2	KC0014	2-part guroflex resin	6	ea	



REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
A	12.12.18	ORIGINAL ISSUE	CO	FK	GS

TITLE

COMPATIBLE UNIT

TRANSITION JOINT (CONSAC)
WITH SERVICE CABLE 25/(120-240)

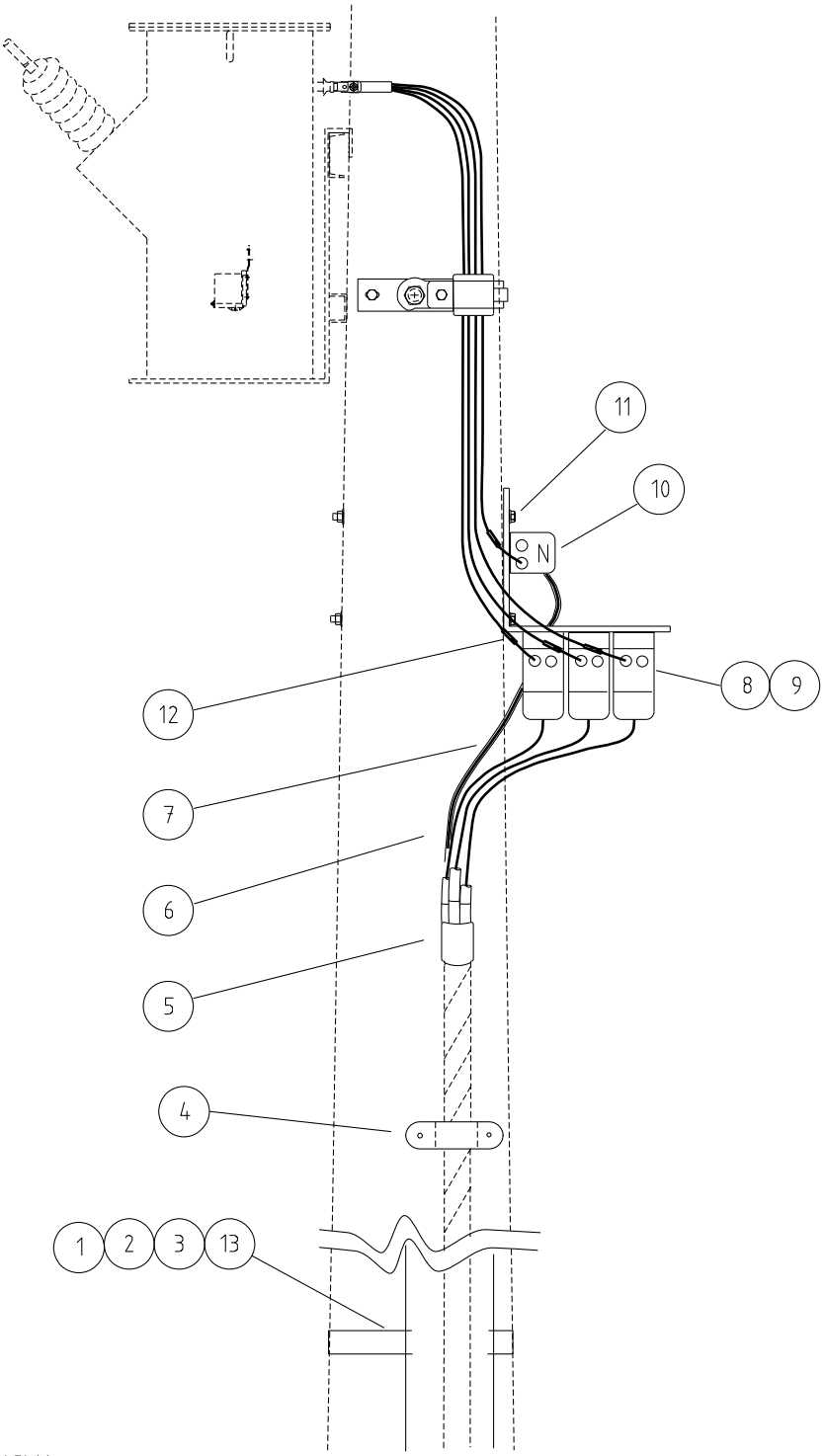
DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 03-12-2018	DRG. No. LU58
ORIGINATED: CO	SCALE: NTS	
CHECKED: FK		
APPROVED: GRANT STACY		REV. A / SHT.

CU	CU Description

LU58	Transition joint (consac) with service cable 25/(120-240)				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0064	Transition joint with service	1	ea	
2	KC0014	2-part guroflex resin	5	ea	



NOTE:-
1. BANKED TRANSFORMERS
2. CHANGE FUSE SIZE ACCORDINGLY
3. TX4 – REMOVE LVABC DISCONNECTOR FUSE AND JUMPERS IF USING FLOWLINE FUSES (TX < 100kVA)
4. USE LV ABC FUSE DISCONNECTOR FOR CONNECTING SOLE USE UNIPILLAR.

REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
C	08.03.24	FLOWLINE DETAILS DELETED & CU NUMBERS REVISED	SL	ML	CO
B	30.06.16	NOTES REVISED	JC	REE	GS
A	04.02.10	ORIGINAL ISSUE			

COMPATIBLE UNIT

TITLE

TRANSFORMER TO PILLAR
25mm^2, 120mm^2 TO 240mm^2

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: JRR	DATE: 22-06-2016	DRG. No. LU61
ORIGINATED: JC	SCALE: NTS	
CHECKED: REE		
APPROVED: GRANT STACY		REV. C SHT.

CU	CU Description

LU61_25_240O (240V)	OH Termination Transformer Pole to Pillar 25mm CU cable

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	GC0010	conduit 50mm 4m lg	1	ea	
2	GC7195	conduit saddle 50mm	3	ea	
3	HT6320	cable protector	1	ea	
4	GC7192	saddle 25mm	5	ea	

LU61_25_240U (240V)	UG Termination Transformer Pole to Pillar 25mm CU cable

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
5	FE0031	heat shrink glove	1	ea	
6	FE0071	insulation sleeving black (15mm ID)	7	mr	

LU61_25_2TXO CU cable (240V)	OH Termination 2 x 25kVA Transformers Pole to Pillar 25mm

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	GS0109	neutral connector	1	ea	
2	GC7195	conduit saddle 50mm	3	ea	
3	HT6320	cable protector	1	ea	
4	GC7192	saddle 25mm	5	ea	
8	GS6022	Krone fuse	1	ea	
9	GF1096	200A LV fuse	1	ea	
10	GS6021	fuse bracket	1	ea	
11	AB6732	pole bolt – M16x 550mm lg	2	ea	

LU61_25_2TXU CU cable (240V)	UG Termination 2 x 25kVA Transformers Pole to Pillar 25mm

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
5	FE0031	heat shrink glove	1	ea	
6	FE0071	insulation sleeving black (15mm ID)	7	mr	

CU	CU Description

LU61_25_480O (480V) OH Termination Transformer Pole to Pillar 25mm CU cable

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	GC0010	conduit 50mm 4m lg	1	ea	
2	GC7195	conduit saddle 50mm	3	ea	
3	HT6320	cable protector	1	ea	
4	GC7192	saddle 25mm	5	ea	

LU61_25_480U (480V) UG Termination Transformer Pole to Pillar 25mm CU cable

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
5	FE0031	heat shrink glove	1	ea	
6	FE0071	insulation sleeving black (15mm ID)	7	mr	

LU61_25_3PHO (415V) OH Termination Transformer Pole to Pillar 25mm CU cable

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	GC0010	conduit 50mm 4m lg	1	ea	
2	GC7195	conduit saddle 50mm	3	ea	
3	HT6320	cable protector	1	ea	
4	GC7192	saddle 25mm	5	ea	
11	AB6732	pole bolt – M16x 550mm lg	1	ea	

LU61_25_3PHU (415V) UG Termination Transformer Pole to Pillar 25mm CU cable

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
5	FE0031	heat shrink glove	1	ea	
6	FE0071	insulation sleeving black (15mm ID)	10	mr	

LU61_120_3PO (415V) OH Termination Transformer Pole to Pillar 120mm Al cable

Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
3	HT6320	cable protector	1	ea	
11	AB6732	pole bolt – M16x 550mm lg	2	ea	
12	CJ0492	stalk with copper tail	8	ea	
13	CB3120	pole cable clamp	3	ea	

CU	CU Description

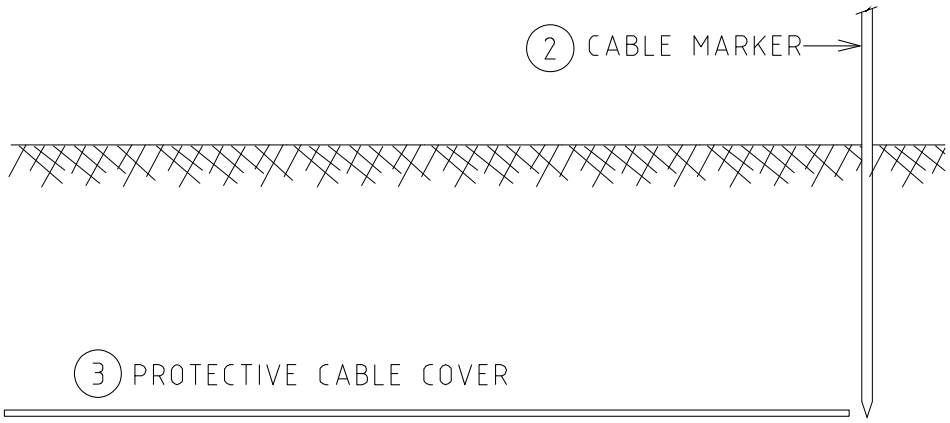
LU61_120_3PU (415V)	UG Termination Transformer Pole to Pillar 120mm Al cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
5	FC0499	splice 120 to 95 ABC	1	ea	
7	FT0095	ABC 95 3m long	1	ea	

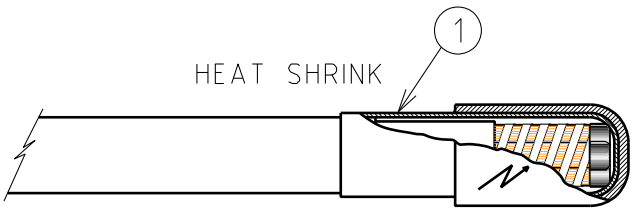
LU61_185_3PO (415V)	OH Termination Transformer Pole to Pillar 185mm Al cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
3	HT6320	cable protector	1	ea	
11	AB6732	pole bolt – M16x 550mm lg	2	ea	
12	CJ0492	stalk with copper tail	8	ea	
13	CB3120	pole cable clamp	3	ea	

LU61_185_3PU (415V)	UG Termination Transformer Pole to Pillar 185mm Al cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
5	FC0499	splice 185 to 150 ABC	1	ea	
7	FT0150	ABC 150 3m long	1	ea	

LU61_240_3PO (415V)	OH Termination Transformer Pole to Pillar 240mm Al cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
3	HT6320	cable protector	1	ea	
11	AB6732	pole bolt – M16x 550mm lg	2	ea	
12	CJ0492	stalk with copper tail	8	ea	
13	CB3120	pole cable clamp	3	ea	

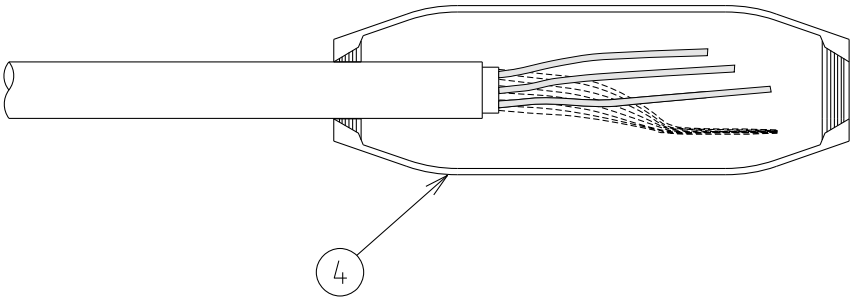
LU61_240_3PU (415V)	UG Termination Transformer Pole to Pillar 240mm Al cable				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
5	FC0499	splice 240 to 150 ABC	1	ea	
7	FT0150	ABC 150 3m long	1	ea	





OR

RESIN FILLED



NOTES:-
REFER TO DRG. R34-1

REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
E	30.05.23	HEAT SHRINK CABLE COVER DETAILS ADDED	SH	ML	CO
D	09.09.22	LIVE END SEAL CHANGED	CO	NMc	GS
C	22.07.15	CABLE PROTECTOR ADDED	NB	CO	GS

COMPATIBLE UNIT

TITLE

LV LIVE END SEALS
50 - 240mm^2

DISTRIBUTION DESIGN CATALOGUE

westernpower

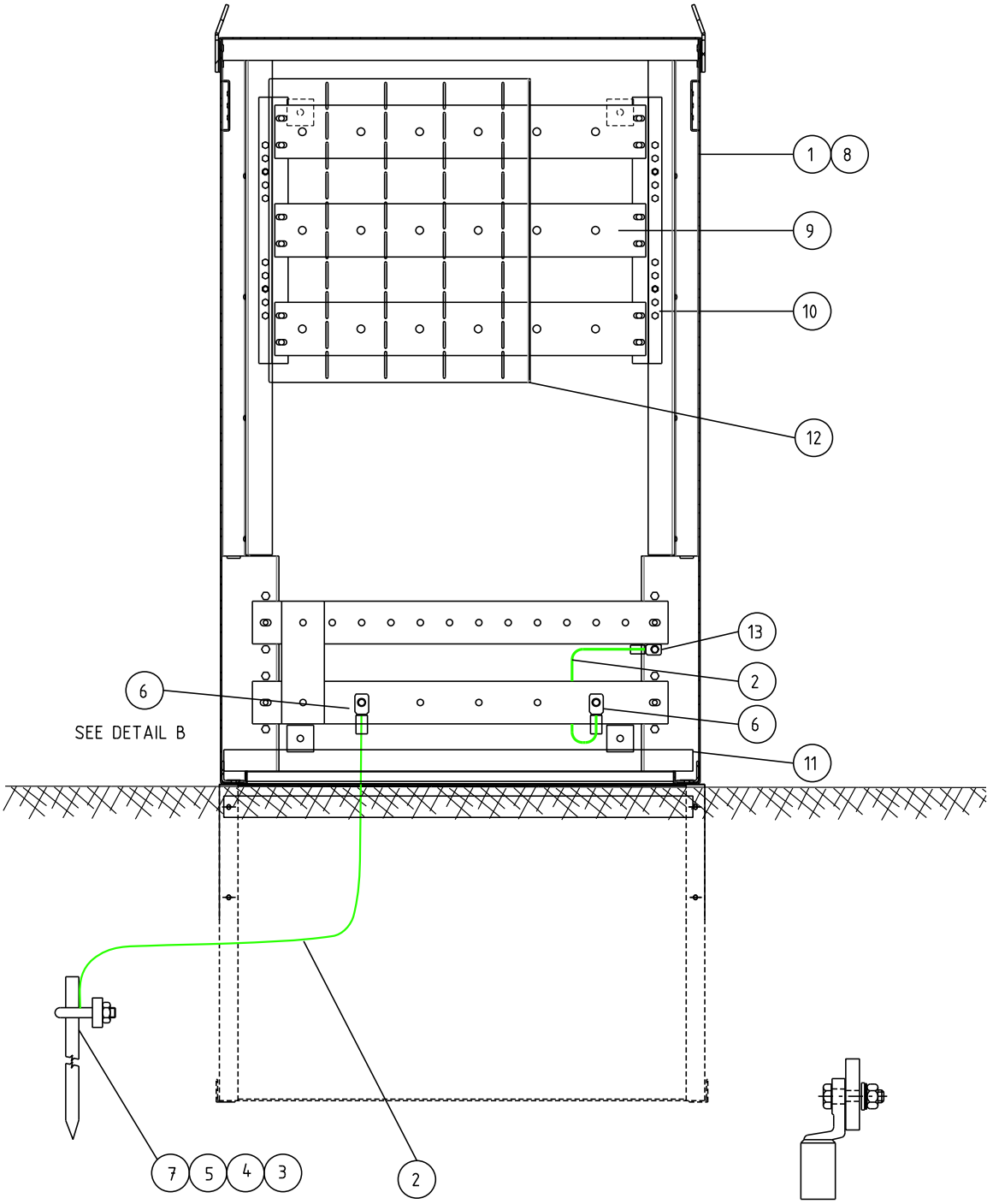
DRAWN: JRR	DATE: 26-06-2015	DRG. No. LU62
ORIGINATED: NB	SCALE: NTS	
CHECKED: CO		
APPROVED: GRANT STACY	REV. E	SHT.

CU	CU Description

LU62_70_120	LV Cable Live End Seal for XLPE – 70-120 1 x 3 core				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0220	Live end seal kit	1	ea	
2	CR0327	Cable Marker	1	ea	
3	CZ0505	Cable Protector	3	ea	

LU62_185_240	LV Cable Live End Seal for XLPE – 185-240 1 x 3 core				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FJ0221	Live end seal kit	1	ea	
2	CR0327	Cable Marker	1	ea	
3	CZ0505	Cable Protector	3	ea	

LU62	LV Cable Live End Seal PILC (Resin filled)				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
2	CR0327	Cable Marker	1	ea	
3	CZ0505	Cable Protector	3	ea	
4	FJ0060	Live end seal kit	1	ea	
4	KC0014	2 part Guroflex resin	1	ea	



DETAIL B

NOTES:
1. ORDER CE0116 FOR HARD SOIL.
2. CONNECT 70mm² PVC INSULATED COPPER CABLE (GREEN/YELLOW) TO EARTH ELECTRODE. INSTALL CABLE AND ROD 1200mm BELOW FGL IN NEW SITES.

REFERENCE DRAWINGS:
SG2019 - FB0282 SHEET 4 REV0
SG2019 - FB0285 SHEET 1 REV0

REV.	DATE	DESCRIPTION	ORGD.	CHKD.	APRD
C	24.06.25	EARTH TO FRAME LINK	VS	SL	CO
B	01.04.21	BUS BAR COVERS ADDED	GC	CO	GS
A	08.10.19	ORIGINAL ISSUE			

COMPATIBLE UNIT

TYPE 1.1 PUBLIC ELECTRICITY NETWORK DISTRIBUTION ASSEMBLY (PENDA)

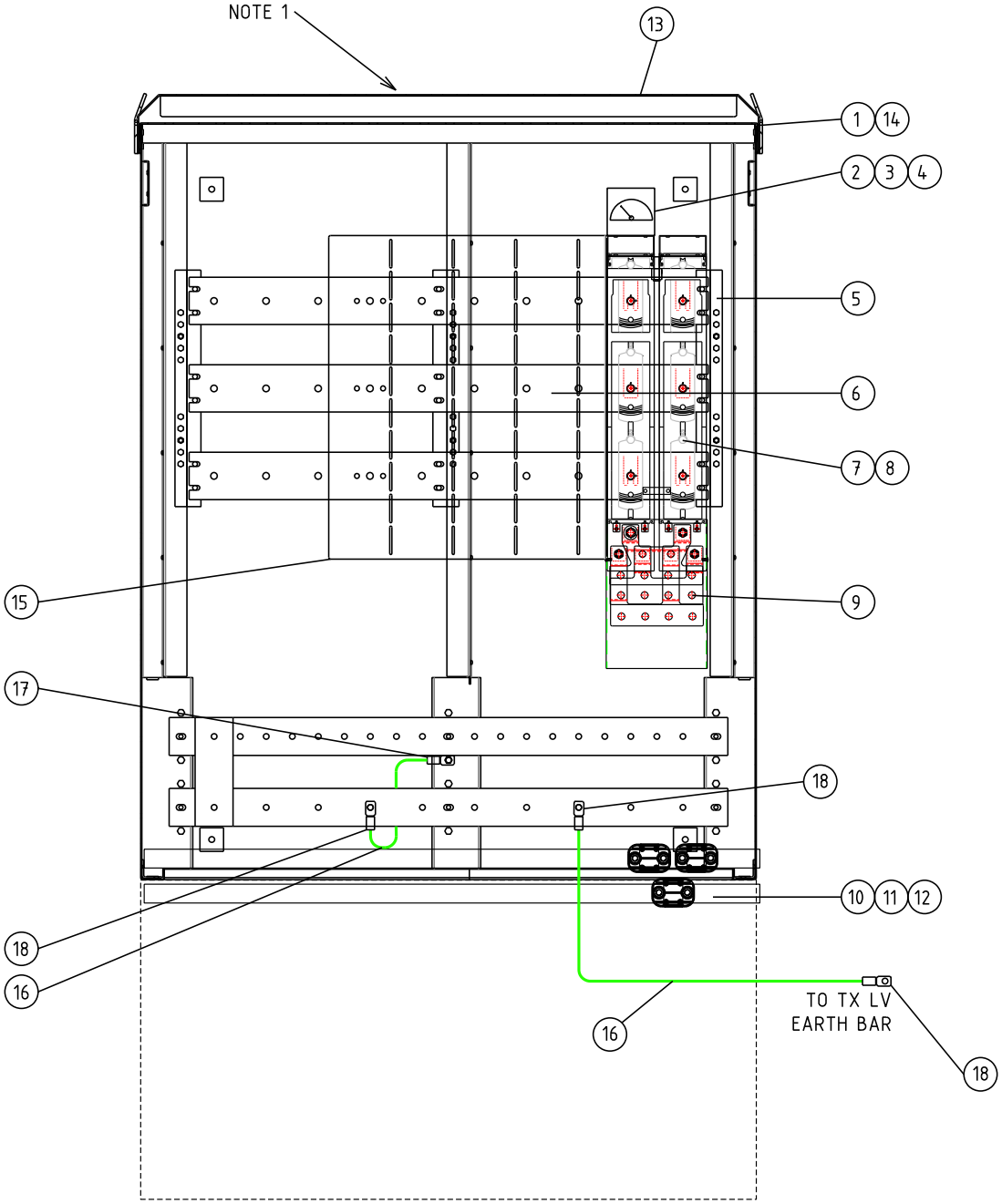
DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: GC	DATE: 08-10-2019	DRG. No. LU63
ORIGINATED:	SCALE: NTS	
CHECKED:		
APPROVED: GRANT STACY	REV. C	SHT. 1/1

CU	CU Description

LU63	Type 1.1 PENDA				
ITEM NUMBER	STOCK CODE	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	FB0282	Type 1.1 PENDA	1	ea	
2	EE1264	conductor 70mm pvc insulated copper green / yellow	4	mr	
3	CE0135	earth rod	2	ea	
4	CE0058	earth clamp	1	ea	
5	CE0078	earth coupling	1	ea	
6	FL0143	earthing lug	2	ea	
7	CE0116	driving point for earth rods	0	ea	See Note 1
8	OH0194	Padlock	1	ea	
9	FB0285	Type 1.1 bus bar assembly	1	set	
10	FB0867	Bus bar supports	2	ea	
11	FM0208	Cable clamp support section	2	ea	
12	FB0876	Bus bar cover	1	ea	
13	FL1463	Earthing lug M10 Hole	1	ea	



REFERENCE FILES:
SG2019 - FB0283 SHEET 4 REV 0
SG2019 - FB0286 SHEET 1 REV 0

NOTES:
1. DESIGNER TO USE LU64_O FOR OUTDOOR INSTALLATIONS.

REV.	DATE	DESCRIPTION	ORGD.	CHKD.	APRD
C	24.06.25	EARTH CONNECTIONS ADDED	VS	SL	CO
B	01.04.21	BUS BAR COVERS ADDED	GC	CO	GS
A	08.10.19	ORIGINAL ISSUE			

COMPATIBLE UNIT

TYPE 2.1 - 1400A
PUBLIC ELECTRICITY NETWORK
DISTRIBUTION ASSEMBLY (PENDA)

DISTRIBUTION DESIGN CATALOGUE

westernpower

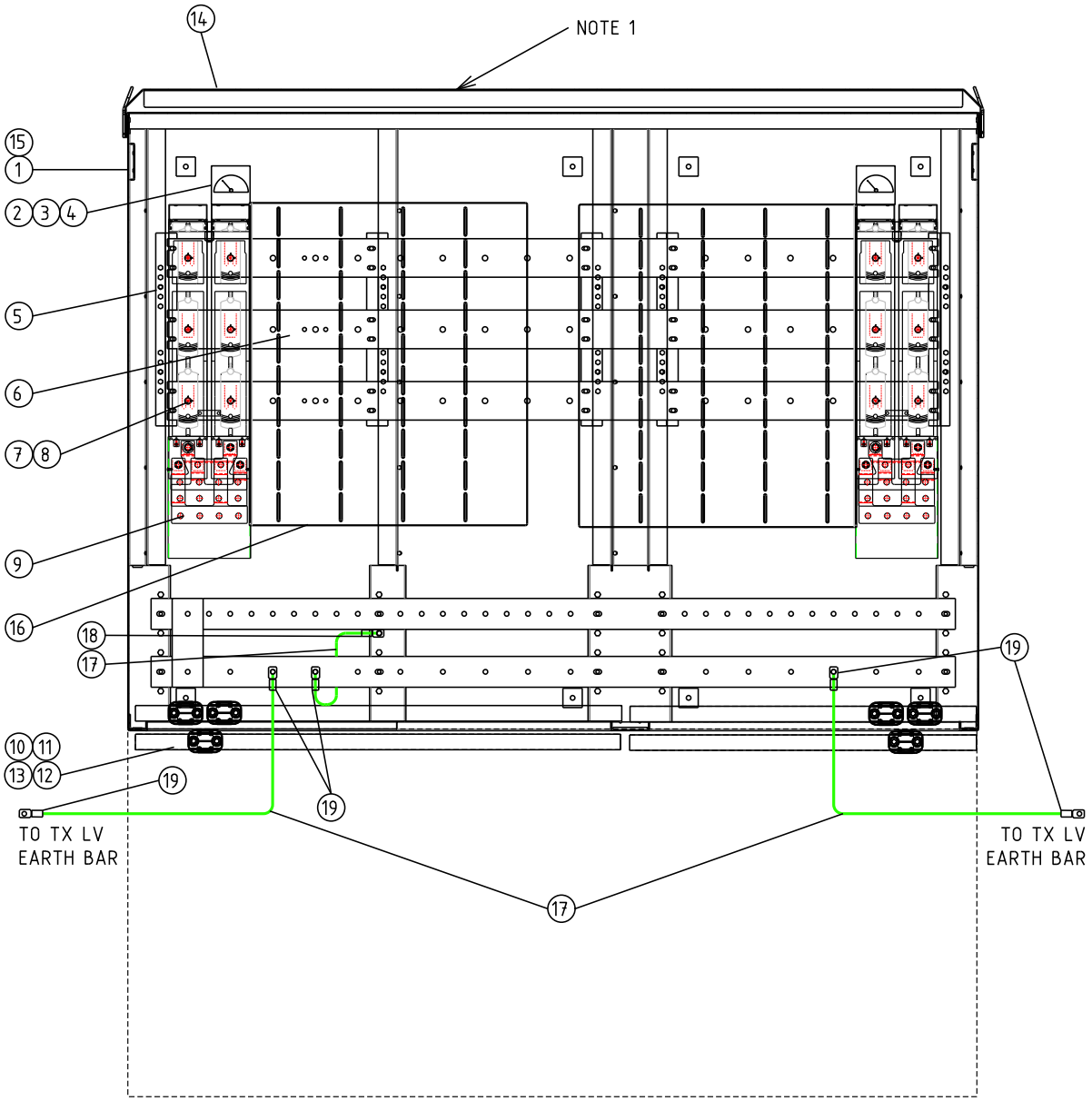
DRAWN: GC	DATE: 08-10-2019	DRG. No. LU64
ORIGINATED:	SCALE: NTS	
CHECKED: CO		
APPROVED: GRANT STACY	REV. C	SHT. 1/1

CU	CU Description

LU64_I	Type 2.1 PENDA – I (Indoor)				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FB0283	Type 2.1 PENDA	1	ea	
2	FB0868	Maximum demand ammeter	1	ea	
3	FB0870	Ammeter panel	1	ea	
4	FB0869	White phase current transformer	1	ea	
5	FB0867	Bus bar supports	3	ea	
6	FB0286	1400A bus bar assembly	1	ea	
7	FB0862	2000A transformer switch disconnector	1	ea	
8	FB0872	M12 switch mounting bolts	2	kit	
9	FB0873	M12 transformer cable termination bolts	2	kit	
10	FM0203	Transformer 3 phase cable clamps (per phase)	2	kit	
11	FM0200	Transformer neutral cable clamps	1	ea	
12	FM0209	Cable clamp support section	2	ea	
15	FB0876	Bus bar cover	2	ea	
16	EE1264	Conductor 70mm pvc insulated copper green / yellow	10	ea	
17	FL1463	Earthing lug M10 Hole	1	ea	
18	FL0143	Earthing lug M12 Hole	3	ea	

CU	CU Description

LU64_O	Type 2.1 PENDA O (Outdoor)				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FB0283	Type 2.1 PENDA	1	ea	
2	FB0868	Maximum demand ammeter	1	ea	
3	FB0870	Ammeter panel	1	ea	
4	FB0869	White phase current transformer	1	ea	
5	FB0867	Bus bar supports	3	ea	
6	FB0286	1400A bus bar assembly	1	ea	
7	FB0862	2000A transformer switch disconnector	1	ea	
8	FB0872	M12 switch mounting bolts	2	kit	
9	FB0873	M12 transformer cable termination bolts	2	kit	
10	FM0203	Transformer 3 phase cable clamps (per phase)	2	kit	
11	FM0200	Transformer neutral cable clamps	1	ea	
12	FM0209	Cable clamp support section	2	ea	
13	FB0288	Sun shield for Type 2.1 PENDA	1	ea	
14	OH0194	Padlock	1	ea	
15	FB0876	Bus bar cover	2	ea	
16	EE1264	Conductor 70mm pvc insulated copper green / yellow	6	ea	
17	FL1463	Earthing lug M10 Hole	1	ea	
18	FL0143	Earthing lug M12 Hole	3	ea	



NOTES:
1. DESIGNER TO USE LU65_O FOR OUTDOOR INSTALLATIONS.

REFERENCES:
SG2019-FB0284 SHEET 5 REV0
SG2019-FB0287 SHEET 1 REV0

REV.	DATE	DESCRIPTION	ORGD.	CHKD.	APRD
C	24.06.25	EARTHING CONNECTION ADDED	VS	SL	CO
B	01.04.21	BUS BAR COVERS ADDED	GC	CO	GS
A	08.10.19	ORIGINAL ISSUE			

COMPATIBLE UNIT

TYPE 3.1 - 2800A
PUBLIC ELECTRICITY NETWORK
DISTRIBUTION ASSEMBLY (PENDA)

DISTRIBUTION DESIGN CATALOGUE

westernpower

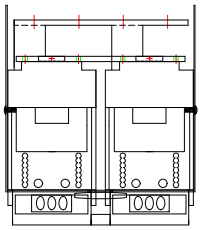
DRAWN: GC	DATE: 08-10-2019	DRG. No. LU65
ORIGINATED:	SCALE: NTS	
CHECKED: CO		
APPROVED: GRANT STACY	REV. C	SHT. 1/1

CU	CU Description

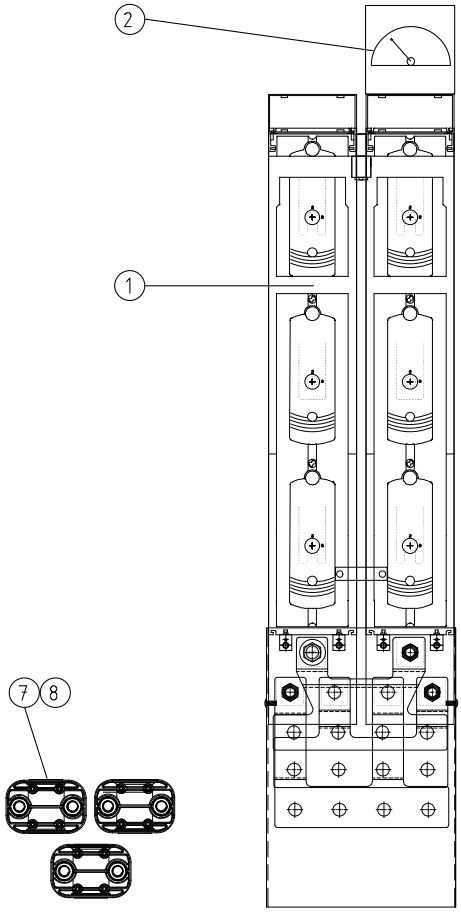
LU65_I	Type 3.1 PENDA – I (Indoor)				
ITEM NUMBER	STOCK CODE	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	FB0284	Type 3.1 PENDA	1	ea	
2	FB0868	Maximum demand ammeter	2	ea	
3	FB0870	Ammeter panel	2	ea	
4	FB0869	White phase current transformer	2	ea	
5	FB0867	Bus bar supports	5	ea	
6	FB0287	2800A bus bar assembly	1	ea	
7	FB0862	2000A transformer switch disconnector	2	ea	
8	FB0872	M12 switch mounting bolts	4	kit	
9	FB0873	M12 transformer cable termination bolts	4	kit	
10	FM0203	Transformer 3 phase cable clamps (per phase)	4	kit	
11	FM0200	Transformer neutral cable clamps	2	ea	
12	FM0208	Cable clamp support section	2	ea	
13	FM0209	Cable clamp support section	2	ea	
16	FB0876	Bus bar cover	2	ea	
17	EE1264	Conductor 70mm pvc insulated copper green / yellow	20	ea	
18	FL1463	Earthing lug M10 Hole	1	ea	
19	FL0143	Earthing lug M12 Hole	5	ea	

CU	CU Description

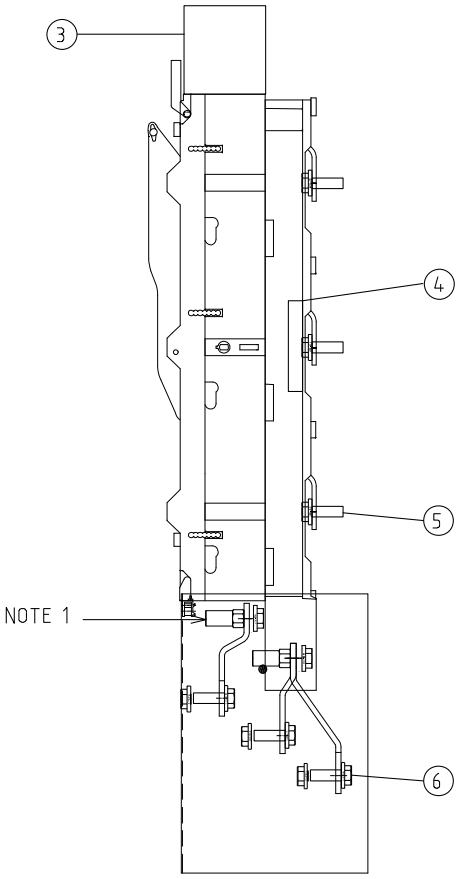
LU65_O	Type 3.1 PENDA O (Outdoor)				
ITEM NUMBER	STOCK CODE	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	FB0284	Type 3.1 PENDA	1	ea	
2	FB0868	Maximum demand ammeter	2	ea	
3	FB0870	Ammeter panel	2	ea	
4	FB0869	White phase current transformer	2	ea	
5	FB0867	Bus bar supports	5	ea	
6	FB0287	2800A bus bar assembly	1	ea	
7	FB0862	2000A transformer switch disconnector	2	ea	
8	FB0872	M12 switch mounting bolts	4	kit	
9	FB0873	M12 transformer cable termination bolts	4	kit	
10	FM0203	Transformer 3 phase cable clamps (per phase)	4	kit	
11	FM0200	Transformer neutral cable clamps	2	ea	
12	FM0208	Cable clamp support section	2	ea	
13	FM0209	Cable clamp support section	2	ea	
14	FB0288	Sun shield for Type 2.1 PENDA	1	ea	
15	OH0194	Padlock	2	ea	
16	FB0876	Bus bar cover	2	ea	
17	EE1264	Conductor 70mm pvc insulated copper green / yellow	12	ea	
18	FL1463	Earthing lug M10 Hole	1	ea	
19	FL0143	Earthing lug M12 Hole	5	ea	



PLAN VIEW



FRONT VIEW



SIDE VIEW

NOTES:-
1. FOR OPERATIONAL EARTHING - USE STOCK CODE FB0871
   EARTHING KIT ADAPTOR TO SUIT HYLEC PORTABLE EARTHING KIT

REV	DATE	DESCRIPTION	DRN.	CHKD.	APRD.
A	01.11.19	ORIGINAL ISSUE	GC	CO	GS

COMPATIBLE UNIT

TITLE

2000A SWITCH DISCONNECTOR
WEBER SOUTH PACIFIC

DISTRIBUTION DESIGN CATALOGUE

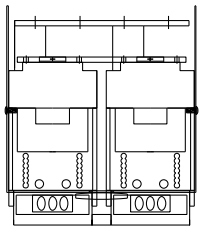
westernpower

DRAWN: GC	DATE: 08-10-2019	DRG. No. LU66
ORIGINATED: GC	SCALE: NTS	
CHECKED: CO		
APPROVED: GRANT STACY		REV. A / SHT.

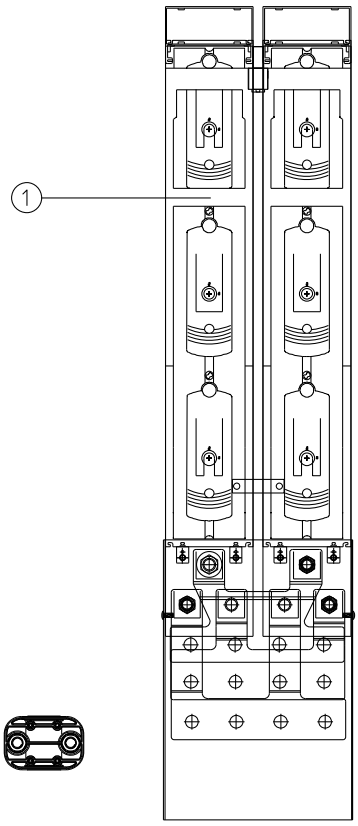
CU	CU Description

LU66_TX	2000A Tx switch disconnector (incoming supply to PENDA)				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FB0862	2000A transformer switch disconnector	1	ea	
2	FB0868	Maximum demand ammeter	1	ea	
3	FB0870	Ammeter panel	1	ea	
4	FB0869	White phase current transformer	1	ea	
5	FB0872	M12 switch mounting bolts	2	kit	
6	FB0873	M12 transformer cable termination bolts (per cable)	2	kit	
7	FM0203	Transformer 3 phase cable clamps (per phase)	2	kit	
8	FM0200	Transformer neutral cable clamps	1	kit	

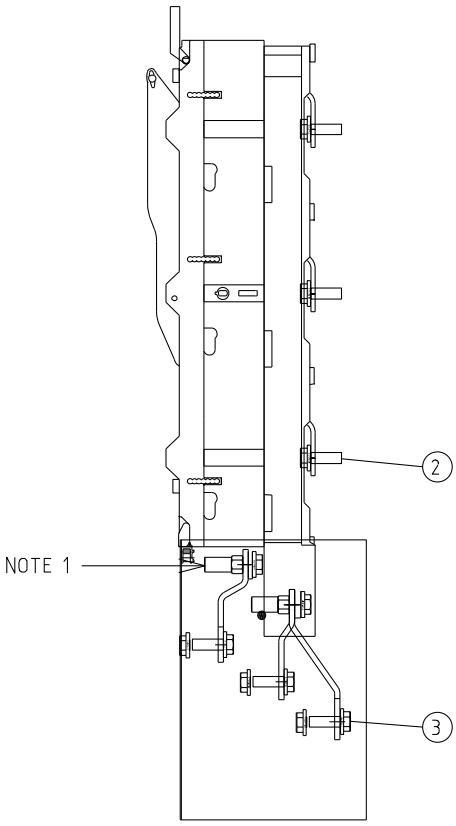
LU66_CUST	2000A Customer switch disconnector (connection to PENDA)				
Item Number	Stock Code	Description	Qty Rqd	Unit of Measure	Remarks
1	FB0862	2000A customers switch disconnector	1	ea	
2	FB0868	Maximum demand ammeter	1	ea	
3	FB0870	Ammeter panel	1	ea	
4	FB0869	White phase current transformer	1	ea	
5	FB0872	M12 switch mounting bolts	2	kit	
6	FB0873	M12 customer cable termination bolts	4	kit	
7	FM0203	Customer 3 phase cable clamps	4	kit	
8	FM0200	Customer neutral cable clamps	2	kit	



PLAN VIEW



FRONT VIEW



SIDE VIEW

NOTES:-
1. FOR OPERATIONAL EARTHING - USE STOCK CODE FB0871
   EARTHING KIT ADAPTOR TO SUIT HYLEC PORTABLE EARTHING KIT
2. USE 400A HRC FUSES (MAXIMUM)

REV	DATE	DESCRIPTION	ORGD.	CHKD.	APRD.
A	01.11.19	ORIGINAL ISSUE	GC	CO	GS

COMPATIBLE UNIT

TITLE: 1260A (GANGED 2 x 630A) FUSED SWITCH DISCONNECTOR WEBER SOUTH PACIFIC

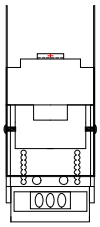
DISTRIBUTION DESIGN CATALOGUE

westernpower

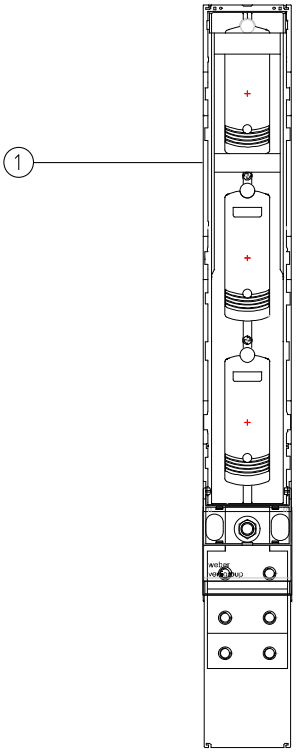
DRAWN: GC	DATE: 08-10-2019	DRG. No.	
ORIGINATED: GC	SCALE: NTS	LU67	
CHECKED: CO			
APPROVED: GRANT STACY		REV. A	SHT.

CU	CU Description

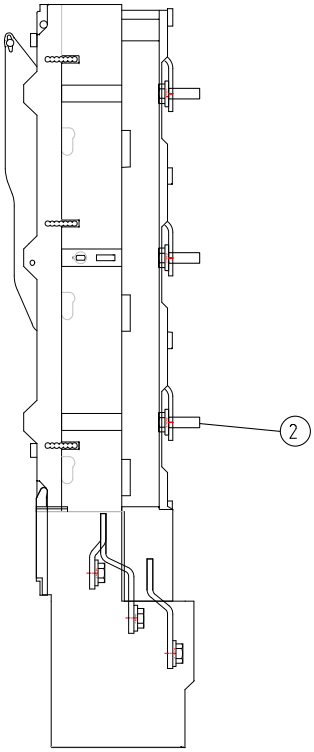
LU67	1260A Fused switch disconnector (connection to PENDA)				
ITEM NUMBER	STOCK CODE	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	FB0863	1260A fused switch disconnector	1	ea	
2	FB0872	M12 switch mounting bolts	2	kit	
3	FB0873	M12 Wavecon cable termination bolts (per cable)	2	kit	
4	FM0204	Wavecon cable clamps (per cable)	2	kit	



PLAN VIEW



FRONT VIEW



SIDE VIEW

NOTES:-
1. USE 630A HRC FUSES (MAXIMUM)

REV	DATE	DESCRIPTION	DRN.	CHKD.	APRD.
A	01.11.19	ORIGINAL ISSUE	GC	CO	GS

COMPATIBLE UNIT

TITLE: 910A FUSED SWITCH DISCONNECTOR WEBER SOUTH PACIFIC (FOR ERG CONNECTION TO PENDA)

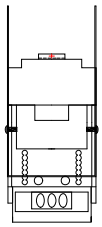
DISTRIBUTION DESIGN CATALOGUE

westernpower

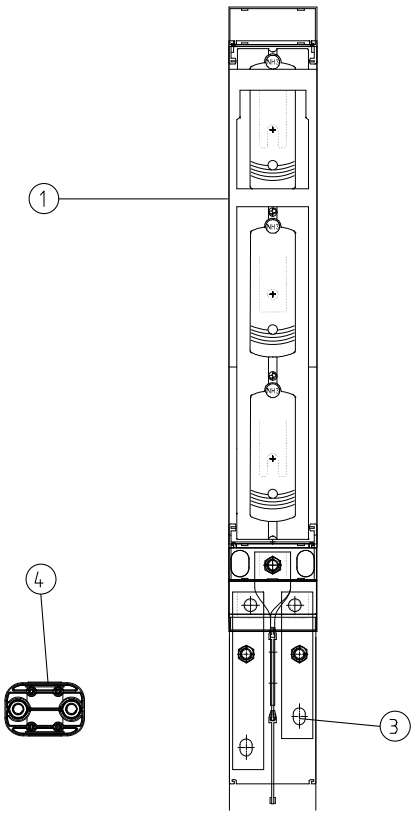
DRAWN: GC	DATE: 08-10-2019	DRG. No.	LU68
ORIGINATED: GC	SCALE: NTS		
CHECKED: CO			
APPROVED: GRANT STACY		REV. A	SHT.

CU	CU Description

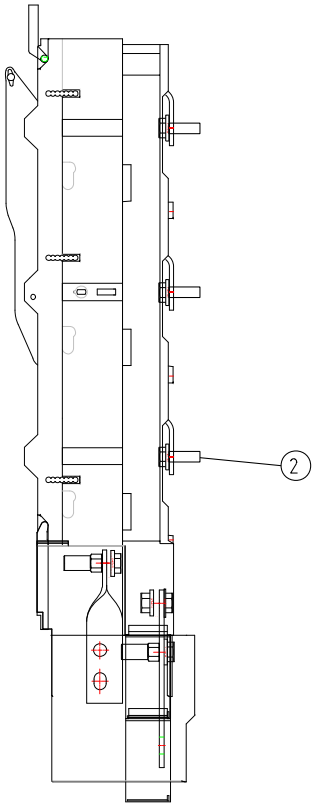
LU68	910A Fused switch disconnector (connection to PENDA)				
ITEM NUMBER	STOCK CODE	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	FB0864	910A fused switch disconnector	1	ea	
2	FB0872	M12 switch mounting bolts	1	kit	



PLAN VIEW



FRONT VIEW



SIDE VIEW

NOTES:-
1. USE 400A HRC FUSES (MAXIMUM)
2. FOR OPERATIONAL EARTHING USE STOCK CODE FB0871
   EARTHING KIT ADAPTOR TO SUIT HYLEC PORTABLE EARTHING KIT

REV	DATE	DESCRIPTION	DRN.	CHKD.	APRD.
A	01.11.19	ORIGINAL ISSUE	GC	CO	GS

COMPATIBLE UNIT

TITLE: 630A FUSED SWITCH DISCONNECTOR
WEBER SOUTH PACIFIC
(FOR WAVECON CONNECTION TO PENDA)

DISTRIBUTION DESIGN CATALOGUE

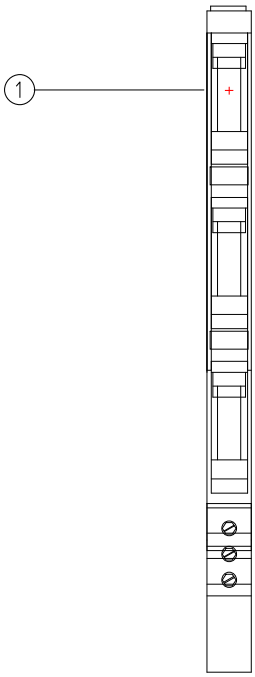
westernpower

DRAWN: GC	DATE: 08-10-2019	DRG. No. LU69
ORIGINATED: GC	SCALE: NTS	
CHECKED: CO		
APPROVED: GRANT STACY		REV. A / SHT.

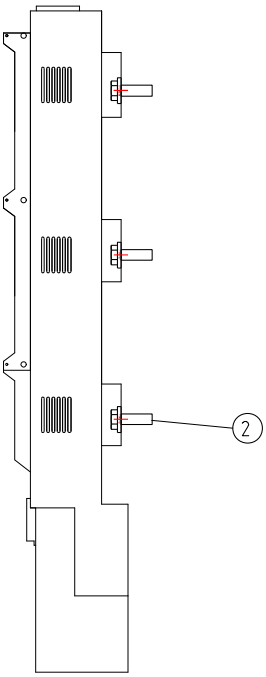
CU	CU Description

LU69	630A Fused switch disconnector (connection to PENDA)				
ITEM NUMBER	STOCK CODE	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	FB0865	630A fused switch disconnector	1	ea	
2	FB0872	M12 switch mounting bolts	1	kit	
3	FB0873	M12 Wavecon cable termination bolts (per cable)	1	kit	
4	FM0204	Wavecon cable clamps (per cable)	1	kit	

PLAN VIEW



FRONT VIEW



SIDE VIEW

NOTES:-
1. USE 63A HRC FUSES (MAXIMUM)

REV	DATE	DESCRIPTION	DRN.	CHKD.	APRD.
A	01.11.19	ORIGINAL ISSUE	GC	CO	GS

COMPATIBLE UNIT

TITLE: 160A FUSED SWITCH DISCONNECTOR WEBER SOUTH PACIFIC (FOR 10, 16 & 25mm CABLE TO PENDA)

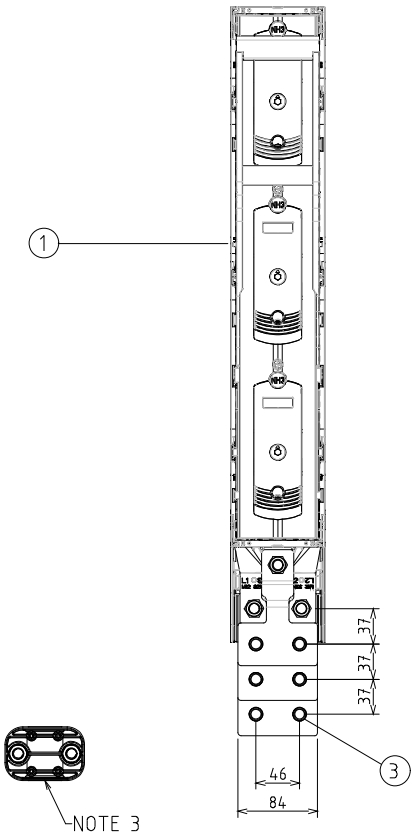
DISTRIBUTION DESIGN CATALOGUE

westernpower

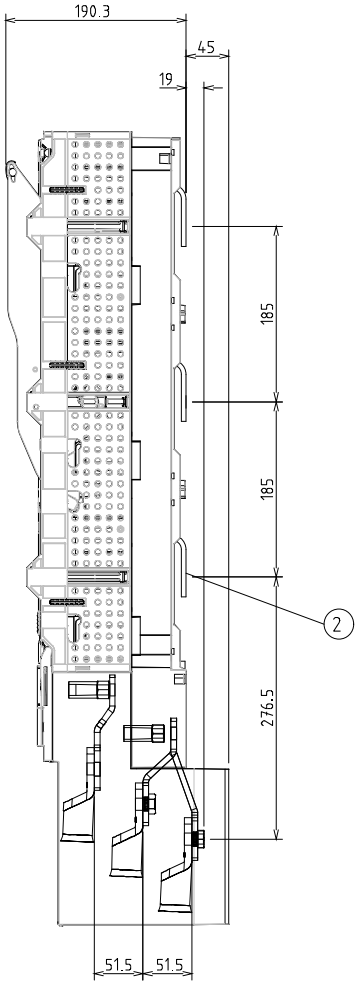
DRAWN: GC	DATE: 08-10-2019	DRG. No.	LU70
ORIGINATED: GC	SCALE: NTS		
CHECKED: CO			
APPROVED: GRANT STACY		REV. A	SHT.

CU	CU Description

LU70	160A Fused switch disconnector (connection to PENDA)				
ITEM NUMBER	STOCK CODE	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	FB0866	160A fused switch disconnector	1	ea	
2	FB0874	M8 switch mounting bolts	1	kit	



FRONT VIEW



SIDE VIEW

NOTES:-
1. ONLY TO BE USED WHERE THERE IS UPSTREAM LV PROTECTION
2. FOR OPERATIONAL EARTHING USE STOCK CODE FB0871
   EARTHING KIT ADAPTOR TO SUIT HYLEC PORTABLE EARTHING KIT
3. DESIGNER TO SELECT SUITABLE CABLE CLAMPS AS A NON-CU

REV	DATE	DESCRIPTION	DRN.	CHKD.	APRD.
A	01.04.21	ORIGINAL ISSUE	GC	CO	GS

COMPATIBLE UNIT

TITLE: 1000A SWITCH DISCONNECTOR WEBER SOUTH PACIFIC (UN-FUSED CONNECTION TO PENDA)

DISTRIBUTION DESIGN CATALOGUE

westernpower

DRAWN: GC	DATE: 29-03-2021	DRG. No. LU71
ORIGINATED: GC	SCALE: NTS	
CHECKED: CO		
APPROVED: GRANT STACY		REV. A / SHT.

CU	CU Description

LU71	1000A Switched disconnector (un-fused connection to PENDA)				
ITEM NUMBER	STOCK CODE	DESCRIPTION	QTY RQD	UNIT OF MEASURE	REMARKS
1	FB0875	1000A switch disconnector	1	ea	
2	FB0872	M12 switch mounting bolts	1	kit	
3	FB0873	M12 Wavecon cable termination bolts (per cable)	1	kit	