<table>
<thead>
<tr>
<th>CONSTRUCTION</th>
<th>DESCRIPTION</th>
<th>DWG</th>
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<tbody>
<tr>
<td>Construction code guide - LV pillar</td>
<td>5074/1</td>
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<tr>
<td>Construction code guide - Pole termination and switch</td>
<td>5074/2</td>
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</tr>
<tr>
<td>Construction code guide - Cable termination indoor</td>
<td>5074/3</td>
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<tr>
<td>Construction code guide - Distribution cabinet</td>
<td>5074/4</td>
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<tr>
<td>Construction code guide - Pillar upgrade</td>
<td>5074/5</td>
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<td><strong>SUPPLY PILLAR CONSTRUCTION</strong></td>
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<td>Supply pillar 1 way 4 core cable - Material</td>
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<td>Supply pillar 3 way 4 core cable - Material</td>
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<td><strong>CROSS ROAD PILLAR CONSTRUCTION</strong></td>
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<td>Cross-road pillar 4 core cable - Material</td>
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<td>Linking pillar with 400A switch 3 way 4 core cable - Material</td>
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<td>Linking pillar with 400A switch 3 way 4 core cable - Construction</td>
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<tr>
<td>Linking pillar with CFS unit 2 way 4 core cable - Material</td>
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<td>Linking pillar with CFS unit 2 way 4 core cable</td>
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<td>Commercial &amp; Industrial pillar type 'A' up to 160amp, 4 core cable - Material</td>
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<td>Commercial &amp; Industrial pillar type 'A' up to 160amp, 4 core cable</td>
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<td><strong>POLE TERMINATION CONSTRUCTION</strong></td>
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<td>Pole termination - with switch 240mm² core cable - Material</td>
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<td>Pole termination - with switch 240mm² core cable</td>
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<td>Pole termination - with switch 240mm² core cable guard to pole</td>
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<td>Pole termination - 2 x 240mm² 4 core cable - Material</td>
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<td>Pole termination cable guard to pole</td>
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<td><strong>LV SWITCHGEAR CONSTRUCTION</strong></td>
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<tr>
<td>LV switchgear connection cable termination 4 core XLPE</td>
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<tr>
<td>11kV padmount LV cubicle 4 core sector cable connection 240mm² AL XLPE - Material</td>
<td>5209/1</td>
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<td>11kV padmount LV cubicle 4 core sector cable connection 240mm² AL XLPE</td>
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<td>DISTRIBUTION CABINET CONSTRUCTION</td>
<td>Distribution cabinet 6 module 4 core XLPE cable - Material</td>
<td>5136/1</td>
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<td>LVDC6</td>
<td>Distribution cabinet 6 module 4 core XLPE cable</td>
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<td>Distribution cabinet 2 module 4 core XLPE cable - Material</td>
<td>5307/1</td>
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<tr>
<td>LVDC2</td>
<td>Distribution cabinet 2 module 4 core XLPE cable</td>
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<td></td>
<td>Distribution cabinet 2 module with flood zone ext. 4 core XLPE cable</td>
<td>5307/3</td>
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<tr>
<td></td>
<td>Distribution cabinet non flood zone &amp; flood zone 4 core XLPE cable - Material</td>
<td>5309/1</td>
</tr>
<tr>
<td>LVPG2E</td>
<td>Distribution cabinet flood zone 1 extension 4 core XLPE cable</td>
<td>5309/2</td>
</tr>
<tr>
<td></td>
<td>Distribution cabinet flood zone 2 extension 4 core XLPE cable</td>
<td>5309/3</td>
</tr>
</tbody>
</table>
PILLAR CONSTRUCTION CODE

Code shown within dashed box appears on relevant construction detail drawings in this manual.

LV PN2/6S/240

VOLTAGE
LV = Low Voltage

FUSE PANEL
9 = Nine fuses
6 = Six fuses
6S = Six fuses + additional streetlight fuse
3S = Three fuses + additional streetlight fuse (PCI only)

CABLE SIZE
240 = 240mm² Al 4 core
16CU = 16mm² Cu 4 core
50CUI = 50mm² Cu 4 core insect protected

PILLAR TYPE
PN1 = Normal 1 way
PN2 = Normal 2 way
PN3 = Normal 3 way
PX = Cross-road
PL2 = Linking 2 way
PL3 = Linking 3 way
PCIA1 = Commercial & Industrial type A 1 way
PCIA2 = Commercial & Industrial type A 2 way
PGE = GRP pillar with base extension
PG2E = GRP pillar with precast foundation & 2 extensions

EXAMPLE:- LVPN2/6S/240 = Low Voltage, Pillar Normal 2 way, 6 fuse panel + streetlight fuse, 2 x 240mm² cables.
EXAMPLE:- LVPL2/6/240 = Low Voltage, Pillar Linking 2 way, 6 fuse panel, 2 x 240mm² cables.
EXAMPLE:- LVPX/6/16Cu = Low Voltage, Pillar Cross-road, 6 fuse panel, 1 x 16mm² copper 4 core cable.
POLE TERMINATION CONSTRUCTION CODE

- **VOLTAGE**: LV = Low Voltage
- **TERMINATION**: CTP = Cable Termination Pole, CTPD = Cable Termination Pole (double)
- **CABLE SIZE**: 240 = 240mm²
- **CABLE GUARD**: M = Metal, P = Polymeric
- **CONNECTION TO O/H MAINS**: ABC = LVABC, AL = Aluminium, CU = Copper, 000 = Unknown (omit for double termination)

**EXAMPLE**: LVCTP/240/M/ABC = Low Voltage, Cable termination pole, 240mm² 4C cable, Metal cable guard, LVABC overhead mains

SWITCH/FUSE - POLE TERMINATION CONSTRUCTION CODE

- **VOLTAGE**: LV = Low Voltage
- **SWITCH**: SW = Switch
- **POLE**: P = Pole
- **SWITCH RATING**: 4 = 400 amp
- **O/H MAINS TYPE**: ABC = LVABC, OW = Open Wire

**EXAMPLE**: LVSWP/4/ABC = Low Voltage, Switch/fuse, Pole mounted, 400 amp switch, suit 95mm² LVABC overhead mains
CABLE TERMINATION INDOOR CONSTRUCTION CODE

Code shown within dashed box appears on relevant construction detail drawings in this manual.

LV CT PM11/240

VOLTAGE
LV = Low voltage

TERMINATION
CT = Cable Termination

SWITCHGEAR
PM11 = 11kV Padmounted Substation
PM22 = 22kV Padmounted Substation
DC = LV Distribution Cabinet

CABLE SIZE
240 = 240mm²

EXAMPLE:- LVCTPM11/240 = Low Voltage, Cable Termination, 11kV Padmounted Substation, 240mm² 4C Cable.
EXAMPLE:- LVCTDC/240 = Low Voltage, Cable Termination, Distribution Cabinet, 240mm² 4C Cable.
Code shown within dashed box appears on relevant construction detail drawings in this manual.

**DISTRIBUTION CABINET CONSTRUCTION CODE**

![Diagram showing code distribution]

**VOLTAGE**
- LV = Low Voltage

**TYPE**
- DC2 = Distribution Cabinet 2 module
- DC6 = Distribution Cabinet 6 module

**ISOLATOR**
- 1 = 1 Isolator
- 2 = 2 Isolator

**FOUNDATION/MOUNTING**
- CI = Cast in situ
- PC = Precast concrete
- W = Wall mounted
- GB = GRP base only
- GE = GRP base & extension

**FUSE SWITCH**
- 2 = 2 Fuse Switch
- 3 = 3 Fuse Switch
- 4 = 4 Fuse Switch

Refer note 1.

**NOTE:**
1. For DC6 units only.

**EXAMPLE:**
- LVDC6/12/PC = Low Voltage, Distribution cabinet 6 module, 1 Isolator, 2 Fuse switch, Precast concrete foundation.

---

Ergon Energy Corporation Ltd
ABN 50 087 646 062

FILE: 5 57 5074.4 Dwg 5074 Sh 4 C

DATE 21/1/03
APPROVED C. Noel
PASSED A. Bletchly
DRAWN T. Borg
PILLAR UPGRADE CONSTRUCTION CODE

LV PNU1-2/240

VOLTAGE
LV = Low Voltage

PILLAR TYPE UPGRADE
PNU1-2 = Pillar Normal Upgrade 1 way to 2 way
PNU1-3 = Pillar Normal Upgrade 1 way to 3 way
PNU2-3 = Pillar Normal Upgrade 2 way to 3 way

CABLE SIZE
240 = 240mm² Al 4 core and
240mm² Al 4 core insect protected

EXAMPLE:- LV PNU1-2/240/N = Low Voltage, Pillar Normal Upgrade 1 way to 2 way, 240mm² cable.
### MATERIAL

<table>
<thead>
<tr>
<th>ASSY</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>6 FUSE PILLAR</th>
<th>6 FUSE + S/L PILLAR</th>
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</thead>
<tbody>
<tr>
<td>500-1</td>
<td>Pillar (tall) electricity supply</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>506-4</td>
<td>Additional fuse, street light</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>506-6</td>
<td>Panel, 6 fuse supply pillar</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>507-6</td>
<td>Cartridge fuse link 63A HRC</td>
<td>6</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>507-3</td>
<td>Cartridge fuse link 32A HRC</td>
<td>AR</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>501-1</td>
<td>Connection cable 1 way</td>
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</tr>
<tr>
<td>501-2</td>
<td>Connection cable 1 way insect protected</td>
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<tr>
<td>504-1</td>
<td>Lug set Al 240mm² sector cable</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>551-2</td>
<td>Glove insulating 240mm² 4C cable</td>
<td>1</td>
<td>1</td>
<td></td>
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<tr>
<td>551-6</td>
<td>Heatshrink lug seal set 240mm² cable</td>
<td>1</td>
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</tbody>
</table>

### NOTES:

1. Bolt MEN pillar earthing lug to bus bar such that the earth can be disconnected without disturbing any other connection.
Electricity supply pillar earthing construction. Refer EARTHING drawing No.5085

Assy  504-1
Assy Selection 501-1 or 2
Assy  500-1
Assy  505-6 or 506-6 and 4
Assy Selection 507-6 or 3

400

4 Core Cable

Ground Line

Cross Road Cable

Construction Type

LVPN1

Supplementary information:
- Assy 505-6 or 506-6 and 4
- Assy Selection 507-6 or 3
- Assay 500-1
- Sheath off 20 Min
- 75 +25 -30
- Distribution Cable

Date: 13/2/03
Passed: A. Bletchly
Drawn: T. Borg

Ergon Energy Corporation Ltd
ABN 50 087 646 062

File: 5 57 5025 2
Dwg 5025 Sh 2
### NOTES:

1. Where MEN earth required:
   Bolt MEN pillar earthing lug to bus bar such that the earth can be disconnected without disturbing any other connection.

### MATERIAL

<table>
<thead>
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<th>ASSY</th>
<th>DESCRIPTION</th>
<th>QTY</th>
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<tr>
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<td>Pillar (tall) electricity supply</td>
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<td>506-4</td>
<td>Additional fuse, street light</td>
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<td>506-6</td>
<td>Panel, 6 fuse supply pillar</td>
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</tr>
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<td>507-6</td>
<td>Cartridge fuse link 63A HRC</td>
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<td>507-3</td>
<td>Cartridge fuse link 32A HRC</td>
<td>AR</td>
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<td>502-1</td>
<td>Connection cable 2 way</td>
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</tr>
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<td>Connection cable 2 way insect protected</td>
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<td>Glove insulating 240mm² 4C cable</td>
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<td>Heatshrink lug seal set 240mm² cable</td>
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<td>506-6</td>
<td>Panel, 6 fuse supply pillar</td>
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<td>507-6</td>
<td>Cartridge fuse link 63A HRC</td>
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<td>Cartridge fuse link 32A HRC</td>
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<td>Connection cable 3 way insect protected</td>
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<td>Glove insulating 240mm² 4C cable</td>
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<td>551-6</td>
<td>Heatshrink lug seal set 240mm² cable</td>
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<td>ASSY</td>
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<td>506-4</td>
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<td>Panel, 6 fuse cross-road pillar</td>
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<td>Cartridge fuse link 63A HRC</td>
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<td>Cartridge fuse link 32A HRC</td>
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<td>Lug set 16mm² cross-road cable</td>
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<td>Lug set 50mm² cross-road cable</td>
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<td>507-7</td>
<td>Cartridge fuse link 80A HRC</td>
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### NOTES:

1. Bolt MEN pillar earthing lug to neutral bar such that the earth can be disconnected without disturbing any other connection.
2. One of three cables shown for clarity.
3. Generator connection M12 stud through Ø12 lugs.
4. All hardware, lugs, heat shrink and shroud included with pillar.

![Diagram of electrical connections](image-url)
Electricity supply pillar earthing construction. Refer EARTHING drawing No.5085

Assy 507-7

Assy 616-1

75 +25.00

See note 2

Distribution Cable
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<td>Cartridge fuse link 63A HRC</td>
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<td>507-3</td>
<td>Cartridge fuse link 32A HRC</td>
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<td>517-1</td>
<td>Support frame, neutral bar and fuse panel</td>
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<tr>
<td>527-1</td>
<td>3 fuse</td>
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</tr>
<tr>
<td>527-2</td>
<td>6 fuse</td>
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</tr>
<tr>
<td>527-3</td>
<td>6 fuse insect protected</td>
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</tr>
<tr>
<td>527-4</td>
<td>Additional fuse, street light</td>
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</tr>
<tr>
<td>518-1</td>
<td>Connection phase terminal CFS unit and fuse panel</td>
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</tr>
<tr>
<td>518-2</td>
<td>Connection phase terminal CFS unit and fuse panel insect protected</td>
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</tr>
<tr>
<td>518-3</td>
<td>Connection phase terminal CFS unit</td>
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</tr>
<tr>
<td>519-1</td>
<td>Connection neutral bar (linking pillar)</td>
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<tr>
<td>519-2</td>
<td>Connection neutral bar (linking pillar)</td>
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<td>504-1</td>
<td>Lug set Al 240mm² sector cable</td>
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<td>551-2</td>
<td>Glove insulating 240mm² 4C cable</td>
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<td>551-6</td>
<td>Heatshrink lug seal set 240mm² cable</td>
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<td>551-11</td>
<td>Heatshrink tubing</td>
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<tr>
<td>528-1</td>
<td>CFS unit</td>
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<td>507-11</td>
<td>Link solid din size 1 (250A)</td>
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<tr>
<td>528-2</td>
<td>Shroud link holder</td>
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</tbody>
</table>

**NOTES:**

1. Mount support frame to underside of pillar base. Locate fixing screws into underside of inserts for D head bolts.
3. Cross-road cable cores omitted for clarity. Bolt phase conductors to the phase terminals and neutral to the neutral bar.
4. Bolt MEN pillar earthing lug to neutral phase bar such that the earth can be disconnected without disturbing any other connection.
CROSS-ROAD CABLES OMITTED FOR CLARITY. Bolt phase conductors to the phase terminals and neutral to the neutral bar.

Electricity supply pillar earthing construction. Refer EARTHING Drawing No. 5085.

Construction Type
LVPL2 (Pillar & switch)

UNDERGROUND DISTRIBUTION
L.V. CONSTRUCTION
LINKING PILLAR WITH CFS UNIT - 2 WAY
4 CORE CABLE

Ergon Energy Corporation Ltd
ABN 50 087 646 062

FILE: 5 57 5042.2
Dwg 5042 Sh 2
### Notes:

1. Mount support frame to underside of pillar base. Locate fixing screws into underside of inserts for D head bolts.
3. Bolt MEN pillar earthing lug to neutral phase bar such that the earth can be disconnected without disturbing any other connection.
4. Ergon to supply heatshrink tubing for Customer.
5. Bolt bi-metal lug to inside of CFS unit when only one Distribution cable is used.
6. Designer to nominate fuse link size.
### MATERIAL - TERMINATION

<table>
<thead>
<tr>
<th>ASSY</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>240mm² to O/W</th>
<th>240mm² to LVABC</th>
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<tbody>
<tr>
<td>515-3</td>
<td>Clamp cable to wood pole bracket</td>
<td>1</td>
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</tr>
<tr>
<td>515-4</td>
<td>Clamp cable to wood pole</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>521-2</td>
<td>Connection 240mm² sector cable to 95mm² Cu insulated</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>521-6</td>
<td>Connection 240mm² sector cable to 95mm² LVABC</td>
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</tr>
<tr>
<td>522-1</td>
<td>Termination outdoor 240mm² LV</td>
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<tr>
<td>533-6</td>
<td>Connector Al./IPC 35/95mm² LVABC main to 35/95mm² LVABC tap</td>
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<tr>
<td>533-11</td>
<td>Connector PG 95/240mm² Al main to 70/185mm² Cu tap</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>533-16</td>
<td>Connector PG 16/150mm² Cu main to 16/150mm² Cu tap</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>531-1</td>
<td>Guard polymeric to wood pole</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>531-6</td>
<td>Guard metal to wood pole</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### MATERIAL - FUSE OR SOLID LINK

<table>
<thead>
<tr>
<th>ASSY</th>
<th>DESCRIPTION</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>507-12</td>
<td>Solid link din size 2 (400A)</td>
<td>3</td>
</tr>
<tr>
<td>529-2</td>
<td>Fuse link 80A din size 1</td>
<td></td>
</tr>
<tr>
<td>529-3</td>
<td>Fuse link 100A din size 1</td>
<td></td>
</tr>
<tr>
<td>529-4</td>
<td>Fuse link 125A din size 1</td>
<td></td>
</tr>
<tr>
<td>529-5</td>
<td>Fuse link 160A din size 1</td>
<td></td>
</tr>
<tr>
<td>529-6</td>
<td>Fuse link 200A din size 1</td>
<td></td>
</tr>
<tr>
<td>529-7</td>
<td>Fuse link 250A din size 1</td>
<td></td>
</tr>
<tr>
<td>529-15</td>
<td>Fuse link 315A din size 2</td>
<td></td>
</tr>
<tr>
<td>529-16</td>
<td>Fuse link 355A din size 2</td>
<td></td>
</tr>
</tbody>
</table>

### MATERIAL - SWITCH/FUSE

<table>
<thead>
<tr>
<th>ASSY</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>240mm² to O/W</th>
<th>240mm² to LVABC</th>
</tr>
</thead>
<tbody>
<tr>
<td>520-1</td>
<td>Switch/fuse mounting to wood pole</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>520-2</td>
<td>Connection switch/fuse to open wire</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>520-3</td>
<td>Connection switch/fuse to LVABC</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**

1. Locate cable on opposite side of pole to oncoming traffic where possible.
2. Polymeric cable guard is not to be use in areas:
   - subject to grass fire
   - where metal bladed brush cutter may be used
   - where there is a high likelihood of impact.
3. Do Not Obstruct climbing access.
4. Designer to nominate fuse link size or solid link.
Metal cable guard shall be earthed. Refer Overhead Construction Manual EARTHING for pole and cable guard earthing details.

Assay Selection 531-1 or 6 (Refer note 2)
<table>
<thead>
<tr>
<th>ASSY</th>
<th>DESCRIPTION</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>521-1</td>
<td>Connection 240mm² sector cable to 150mm² Cu insulated</td>
<td>8</td>
</tr>
<tr>
<td>522-1</td>
<td>Termination outdoor 240mm² LV</td>
<td>2</td>
</tr>
<tr>
<td>515-3</td>
<td>Clamp cable to wood pole bracket</td>
<td>2</td>
</tr>
<tr>
<td>515-4</td>
<td>Clamp cable to wood pole</td>
<td>AR</td>
</tr>
<tr>
<td>531-1</td>
<td>Guard polymeric to wood pole</td>
<td>2</td>
</tr>
<tr>
<td>531-6</td>
<td>Guard metal to wood pole</td>
<td>2</td>
</tr>
</tbody>
</table>

NOTES:
1. This construction is only for single circuit only. Cables must terminate together in pillar or distribution cabinet.
2. Locate cable on opposite side of pole to oncoming traffic where possible.
3. Polymeric cable guard is not to be use in areas:
   - subject to grass fire
   - where metal bladed brush cutter may be used
   - where there is a high likelihood of impact.
4. Do Not Obstruct climbing access.
5. Fuses supplied with overhead construction max. fuse size 500A.

UNDERGROUND DISTRIBUTION
L.V. CONSTRUCTION
POLE TERMINATION - 2 x 240mm² (SINGLE CIRCUIT)
4 CORE CABLE - MATERIAL
OPEN WIRE

Assy 521-1
Assy 522-1
Assy 515-3
Assy 515-4

Cable Guard
2400 min

Assy 531-1 or 6
Refer to sheet 3

Construction Type
LVCTPD

4 CORE CABLE - CONSTRUCTION

POLE TERMINATION - 2 x 240mm² (SINGLE CIRCUIT)

UNDERGROUND DISTRIBUTION

Assy 521-1
Assy 522-1
Assy 515-3
Assy 515-4

Wood Pole

A Bolt
400

Terminal
Metal cable guard shall be earthed. Refer Overhead Construction Manual EARTHING for pole and cable guard earthing details.

Construction Type

LVCTPD

UNDERTGROUND DISTRIBUTION

L.V. CONSTRUCTION
POLE TERMINATION - 2 x 240mm² (SINGLE CIRCUIT)
CABLE GUARD TO POLE
1. Bolts etc for phase connection and neutral bar connection supplied with switchgear.
CABLE CONNECTION NOTES:

1. Refer PADMOUNTED SUBSTATIONS for schematic drawings of LV switchboards.

2. Fuse Switch No.1:
   - Where 1 outgoing circuit is more heavily loaded than the rest this fuse switch is to be used. Connect neutral conductor of outgoing cable to Neutral Bar Extension on the left hand end of the switchboard.
   - For URD and other installations where all outgoing circuits are similarily loaded, connect the first circuit to this fuse switch. Connect neutral conductor of outgoing cable to Neutral Bar Extension on the left hand end of the switchboard.

3. Fuse Switches No.2, 3 & 4:
   - Connect remaining outgoing circuits to these fuse switches and connect the neutral conductor to the Neutral Tail supplied with the switchboard. Any unused fuse switches should be on the right hand end of the switchboard.
   - Bolts etc for phase connection and neutral bar connection supplied with switchgear.
Neutral Bar Extension
Neutral Bar
Earth Bar
Fuse Switches
Neutral Tail supplied with LV switchgear. Refer Note 3.
Neutral Phase Core
Distribution Cable
Phase Connection
LVCTPM11
Construction Type
Typical LV Switchboard

To Station Earth

Underground Distribution
LV. CONSTRUCTION
11kV PADMOUNT L.V. CUBICLE 4 CORE SECTOR
cable connection 240mm² AL XLPE

FILE: 57 5209 2

Contract No. 2004/037/T

DATE 13/3/08
PASSED D. MSK
DRAWN C. Lindsay

CONTRACT No. 2004/037/T

Neutral Tail supplied with LV switchgear. Refer Note 3.
### Notes:

1. For foundation mounted cabinet on footpath, preferred location is as near as practical to R.P. street alignment.
2. Do not undermine foundation with excavation for conduit or cables.
3. Note removable panel beneath door to aid cable installation.
4. Designer to nominate fuse link size.
5. Distribution cabinet is supplied fitted with 1 x 1000A isolator & 2 x 630A fuse switch & 1 x 160A fuse switch with 35A fuses.
6. Supplied fuse switches are rated to accept Din 3 630A fuses.
7. The 160A rate fuse switch accepts Din 00.
8. Designer to nominate distribution padlock.

### Description

#### Foundation cast in situ 6 module distribution cabinet
- ASSY: 534-1
- DESCRIPTION: Foundation cast in situ 6 module distribution cabinet
- QTY: 1

#### Foundation precast concrete 6 module distribution cabinet
- ASSY: 535-1
- DESCRIPTION: Foundation precast concrete 6 module distribution cabinet
- QTY: 1

#### Wall mounting support 6 module distribution cabinet
- ASSY: 549-1
- DESCRIPTION: Wall mounting support 6 module distribution cabinet
- QTY: 1

#### Distribution cabinet 6 module 1 isolator, 2 fuse switch
- ASSY: 548-1
- DESCRIPTION: Distribution cabinet 6 module 1 isolator, 2 fuse switch
- QTY: AR

#### Isolator additional
- ASSY: 550-1
- DESCRIPTION: Isolator additional
- QTY: AR

#### Fuse switch additional
- ASSY: 550-6
- DESCRIPTION: Fuse switch additional
- QTY: AR

### Fuse Link

#### Fuse link 100A Din size 2
- ASSY: 529-10
- DESCRIPTION: Fuse link 100A Din size 2
- QTY: AR

#### Fuse link 125A Din size 2
- ASSY: 529-11
- DESCRIPTION: Fuse link 125A Din size 2
- QTY: AR

#### Fuse link 200A Din size 2
- ASSY: 529-13
- DESCRIPTION: Fuse link 200A Din size 2
- QTY: AR

#### Fuse link 250A Din size 2
- ASSY: 529-14
- DESCRIPTION: Fuse link 250A Din size 2
- QTY: AR

#### Fuse link 315A Din size 2
- ASSY: 529-15
- DESCRIPTION: Fuse link 315A Din size 2
- QTY: AR

#### Fuse link 355A Din size 2
- ASSY: 529-16
- DESCRIPTION: Fuse link 355A Din size 2
- QTY: AR

#### Fuse link 400A Din size 2
- ASSY: 529-17
- DESCRIPTION: Fuse link 400A Din size 2
- QTY: AR

### Distribution Padlock

#### Far North
- REGION: Far North
- ASSY: 595-1
- QTY: 1

#### North
- REGION: North
- ASSY: 595-2
- QTY: 1

#### Mackay
- REGION: Mackay
- ASSY: 595-4
- QTY: 1

#### Central
- REGION: Central
- ASSY: 595-5
- QTY: 1

#### Wide Bay
- REGION: Wide Bay
- ASSY: 595-6
- QTY: 1

#### South West
- REGION: South West
- ASSY: 595-7
- QTY: 1

- ASSY: 595-8
- QTY: 1

- ASSY: 595-9
- QTY: 1

### Diagram

Symbols:
- 35A
- 160A
- F/S
- PROV.
- XXX
- 630A
- 1000A
- F/S
- PROV.
- XXX
- 630A
- F/S
- PROV.

---

**Underground Distribution**

L.V. Construction

Distributor Cabinet 6 Module

4 Core XLPE Cable - Material

**Symbol**

- 35A
- 160A
- F/S
- PROV.
- XXX
- 630A
- 1000A
- F/S
- PROV.
- XXX
- 630A
- F/S
- PROV.
NOTES:
1. Note removable panels beneath door and front panel of base to aid cable installation.
2. Designer to nominate fuse link size.
3. Distribution cabinet is supplied fitted with 2 x 630A fuse switch & 1 x 160A fuse switch with separate phase switching.
4. Supplied fuse switches are rated to accept Din 3 630A fuses.
5. The 160A rated fuse switch accepts Din 00.
6. Base install depth differs from markings on base.
7. Use stabilised backfill.
8. Designer to nominate distribution padlock.
9. If necessary excavate an additional 300 to 400mm at the front of the base to accommodate the cable bend radius.
10. Relocate neutral bar from base into cabinet or extension.
1. Ensure it is level and smooth.
2. Max. flood height 480mm
3. 100mm compacted sand base.
4. Stabilised sand backfill
5. Excavated top soil
6. Reinstall with excavated top soil
7. For mains distribution cable connection, refer LV CONSTRUCTION drawing No. 5097.
8. Refer EARTHING drawing No. 5085.
9. UNDERGROUND DISTRIBUTION
L.V. CONSTRUCTION
DISTRIBUTION CABINET - 2 MODULE WITH FLOOD ZONE EXT.
4 CORE XLPE CABLE
NOTES:
1. Note removable panels beneath door and front panel of base to aid cable installation.
2. Designer to nominate fuse link size.
3. Distribution cabinet is supplied fitted with 9 x 100A fuse holders.
4. Use stabilised backfill.
5. Designer to nominate distribution padlock.
6. Base install depth differs from marking on base.
7. If necessary excavate an additional 300 to 400mm at the front of the base to accommodate the cable bend radius.

## MATERIAL

<table>
<thead>
<tr>
<th>ASSY</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>1 EXT</th>
<th>2 EXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>548-3</td>
<td>Distribution cabinet - flood zone 9 fuse</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>601-1</td>
<td>Distribution cabinet - flood zone base</td>
<td>1</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>601-2</td>
<td>Distribution cabinet - flood zone extension</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>598-1</td>
<td>Precast concrete foundation</td>
<td></td>
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<td>1</td>
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## MATERIAL - FUSE LINK

<table>
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<tr>
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<th>DESCRIPTION</th>
<th>QTY</th>
<th>AR</th>
</tr>
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<tbody>
<tr>
<td>507-3</td>
<td>Cartridge fuse link 32A HRC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>507-6</td>
<td>Cartridge fuse link 63A HRC</td>
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</tbody>
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## MATERIAL - DISTRIBUTION PADLOCK

<table>
<thead>
<tr>
<th>REGION</th>
<th>ASSY</th>
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</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td>595-2</td>
<td>1</td>
</tr>
<tr>
<td>Mackay</td>
<td>595-4</td>
<td></td>
</tr>
<tr>
<td>Central</td>
<td>595-5</td>
<td></td>
</tr>
<tr>
<td>Wide Bay</td>
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</tr>
<tr>
<td>South West</td>
<td>595-7</td>
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</tr>
<tr>
<td>Far North</td>
<td>595-9</td>
<td></td>
</tr>
<tr>
<td>Far North</td>
<td>595-10</td>
<td></td>
</tr>
</tbody>
</table>

OUTGOING FEEDER
(space to terminate 2 x 240 / phase)

INCOMING FEEDER
(space to terminate 2 x 240 / phase)

## SYMBOL

UNDERGROUND DISTRIBUTION
L.V. CONSTRUCTION
DISTRIBUTION CABINET - NON FLOOD ZONE & FLOOD ZONE 4 CORE XLPE CABLE - MATERIAL
Max flood height 480mm above ground level

Reinstate with excavated top soil

For mains distribution cable connection, refer LV CONSTRUCTION drawing No. 5087.

Ensure it is level and smooth.

100mm compacted sand base. Ensure it's level and smooth.

Assy 595-2 to 10

Assy 507-3 or 6

Assy 548-3

Assy 601-2 (max 1)

Assy 601-1

Stabilised sand backfill

Distribution cabinet earthing construction. Refer EARTHING drawing No. 5085.

ExCAvateD to top soil

Excavated to top soil

Reinstate with excavated top soil

Ensure it is level and smooth.

100mm compacted sand base. Ensure it's level and smooth.

120mm

785mm

100

100

Underground Distribution

L.V. Construction

Distribution Cabinet - Flood Zone 1 Ext

4 Core XLPE Cable

Ergon Energy Corporation Ltd
ABN 50 087 646 062

FILE: 5 57 5309 2
Dwg 5309 Sh 2
UNDERGROUND DISTRIBUTION
L.V. CONSTRUCTION
DISTRIBUTION CABINET - FLOOD ZONE 2 EXT.
4 CORE XLPE CABLE

Distribution cabinet: earthing construction. Refer EARTHING drawing No. 5085.

Reinstate with excavated top soil

100mm compacted sand base. Ensure it is level and smooth.

Stabilised sand backfill

Max. flood height 1025mm above ground level

THIS CONSTRUCTION IS NOT DESIGNED TO SUPPORT A LADDER

ASSY 548-3
ASSY 507-3 or 6
ASSY 595-2 to 10
ASSY 601-2 (max 2)
ASSY 598-1

100

ELEVATION

ASSY 598-1 or 6
ASSY 507-3 to 10
ASSY 548-3

For mains distribution cable connection, refer LV CONSTRUCTION drawing No. 5087.

Max. flood height 1025mm above ground level

Ergon Energy Corporation Ltd ABN 50 087 646 062

FILE: 5 57 5309 3

Dwg 5309 Sh 3

APPROVED C. Noel
DATE 30/10/14
PASSED A. Bletchly
DRAWN T. Borg

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B 11.04.18

B