

Drawing Services - 06B - Electrical Standards Symbols

Corporate Work Instruction

Hazards	Personal Protective Equipment	Tools & Equipment
N/A	N/A	N/A

Note: This work instruction should be read in conjunction with the other Drawing Instructions. Refer to the Overview of Drawing Instructions for details.

Note: Additional Drawings Work Instructions exist for the provision of Water and Sewerage Infrastructure in subdivisions, refer to Guidelines for Developers and Consulting Engineers (TRIM: D2007/24189); and provision of Power Infrastructure in subdivisions, refer to Power Networks Design and Construction Guidelines, NP001.10 Documentation Requirements (TRIM: QDOC2007/15).

Purpose: The purpose of this Instruction is to identify the library of symbols to be used for Electrical Schematics and Circuit Diagrams drawings for PWC.

The DP50 PWC Electrical Symbol Library No 1 Schematic Symbols, is available upon request to any PWC Regional Drawings Officer. These symbols are based on AS1102 – Graphical Symbols for Electrotechnical Documentation and AS1003.4 – Guiding Principles for the preparation of Circuit Diagrams.

1. All PWC Electrical Schematics / Circuit Diagrams are to be drawn using the Cell Library eleclib1.cel and Australian Standards AS1102 and AS1103.4.
2. CELL Library ELECLIB1.CEL is not to be modified without PWC approval.
3. The Electrical Symbols provided are based on a 10mm grid placement and should not be dropped or nested.
4. Line weights for Schematic Interconnection are as follows: -
 - a. Power Cabling = Weight 4
 - b. Control Cabling = Weight 2
 - c. Earth and Neutral Cabling = Weight 0
5. These weights are to comply with PWC work instruction – Microstation Element, Attributes and Symbology.

Attachment: Electrical Symbols Singular Form

 Danger
  Caution
  Tag
  Environmental
  Permit
  Document

Approved by:	Prepared by:	Issue Date: 26/02/2007	Status: Approved
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