

Drawing Services - 09 - Australian Standards for Drawing Practice and Symbols

Corporate Work Instruction

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

This work instruction is issued for the information and guidance of PWC Drafting and Technical personnel.

Subject Listing of Australian Standards:

- a. Letter Symbols
- b. Drawing Practice
- c. Graphic Symbols
- d. Diagrams, charts and tables
- e. Handbooks
- f. Miscellaneous
- g. Software programs

1. Letter Symbols

AS 1046	Letter symbols for use in electrotechnology
AS 1046.1-1978	General (IEC 27-1)
AS 1046.2-1978	Telecommunications and electronics (IEC 27-2)
AS 1046.3-1991	Logarithmic quantities and units (IEC 27-3_1989)
AS 1046.4-1991	Symbols for quantities to be used for rotating electrical machines (IEC 27-4:1985)

2. Drawing Practice

AS 1100	Technical drawing
AS 1100.101-1992	General principles
AS 1100.201-1992	Mechanical engineering drawing
AS 1100.301-1985	Architectural drawings
AS 1100.301 Supplement 1-1986	Architectural drawings (Supplement to AS1100.031 - 1985)



Danger



Caution

Tag



Environmental



Permit



Document

Approved by: Paul Heaton General Manager Water Services	Prepared by: Ronald Innes Technical Officer Engineering Drawings	Issue Date: 26/02/2007	Status: Approved
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AS 1100.401-1984	Engineering survey and engineering survey design drawing
AS 1100.401 Supplement 1–1984	Engineering survey and engineering survey design drawing – Aviation facilities (Supplement to AS 1100.401 – 1984)
AS 1100.401 Supplement 2–1984	Engineering survey and engineering survey design drawing – GAS distribution (Supplement to AS 1100.401 – 1984)
AS 1100.401 Supplement 3–1984	Engineering survey and engineering survey design drawing – Sewerage and water supply (Supplement to AS 100.4011984)
AS 1100.401 Supplement 4–1984	Engineering survey and engineering survey design drawing – Roads (Supplement to AS 1100.401-1984)
AS 1100.501–1985 AS 1100.501 Supplement 1-1986	Structural engineering drawing Structural engineering drawing – Structural engineering drawings (Supplement to AS 1100.501-1985)

3. Graphical Symbols

AS 1101	Graphic symbols for general engineering
AS 1101.1–1993	Hydraulic and pneumatic systems (ISO 1219-1:1991)
AS 1101.2–1972	Ventilation systems in ships (ISO 644)
AS 1101.3–1987	Welding and non-destructive examination
AS 1101.4–1989	Machine elements (ISO 3952-1, ISO 39522, ISO 3952-3, ISO 9352-4)
AS 1101.5–1984	Piping, ducting and mechanical services for buildings
AS 1101.6–1989	Process measurement control functions and instrumentation
AS 1102 (Set)	Graphical symbols for electrotechnology
AS 1102.8–1986	Symbols for location diagrams (IEC 11705, IEC 117-8, IEC 617-11)
AS 1102.101–1989	General information and general index (IEC 617-1)
AS 1101.102-1989	Symbol elements, qualifying symbols and other symbols having general application (IEC 617-2)
AS 1102.103-1989	Conductors and connecting devices (IEC 617-3)
AS 1102.104-1989	Passive components (IEC 617-4)

AS 1102.105-1989	Semiconductors and electron tubes (IEC 617-5)
AS 1102.106-1989	Production and conversion of electrical energy (IEC 617-6)
AS 1102.107-1989	Switchgear, control gear and protective devices (IEC 617-7)
AS 1102.108-1989	Measuring instruments, lamps and signalling devices (IEC 617-8)
AS 1102.109-1989	Telecommunications-Switching peripheral equipment (IEC 61709)
AS 1102.110-1989	Telecommunications-Transmission (IEC 617-10)
AS/NZS 1102.112:1995	Binary logic elements (IEC 617012)
AS/NZS 1102.113:1995	Analogue elements (IEC 617-13)
AS 1104-1978	Informative symbols for use on electrical and electronic equipment (IEC 416, IEC 417)
AS 1109-1981	Graphic symbols for process flow diagrams for the food industry
AS 3702-1989	Item designation in electrotechnology
AS/NZS 4334:1995	Graphic symbols for use on medical electrical equipment
AS 1104S (set)	Informative symbols for use on electrical and electronic equipment – Individual symbol sheets

4. Diagrams, Charts and Tables

AS/NZS 4382:1996	Preparation of function charts for control systems (IEC 848:1988, IEC 848:1988/Cor: 1990)
AS/NZS 4383	Preparation of documents used in electrotechnology
AS/NZS 4383.1:1996	General requirements (IEC 1082-1:1991, IEC 1082-1:1991/Amd.1:1995)
AS/NZS 4383.2:1996	Function-oriented diagrams (IEC 1082-2:1993)
AS/NZS 4383.3:1996	Connection diagrams, tables and lists (IEC 1082-3:1993)

5. Handbooks

SAA / SNZ HB1:1994	Technical drawing for students
SAA/SNZ HB3:1996	Electrical and electronic drawing for students
SAA HB7-1993	Engineering drawing handbook
SAA HB8-1986	Understanding logic symbols

SAA HB31-1992	Handbook of building construction tolerances – Extracts from building products and structures Standards
SAA HB47-1993	Dimensioning and tolerancing to AS 1100.101-1992 and AS 1100.201-1992

6. Miscellaneous

AS 1212-1981	Scale rules
AS 1290	Linear measuring instruments used in construction
AS 1290.1-1995	General requirements
AS 1290.2-1995	Wooden and synthetic material folding rules
AS 1290.3-1995	Lathes, folding rods and multi-folding rods
AS 1290.4-1995	Retractable steel pocket rules
AS 1290.6-1995	Synthetic material measuring tapes
AS 1974-1976	Drawing board dimensions

7. Software Programs

SAA SP 009 (Set)	Graphic symbols for electrotechnical documentation – Electronic version of AS 1102-1989
SAA SP 009.102	Symbol elements, qualifying symbols and other symbols having general application
SAA SP 009.103	Conductors and connecting devices
SAA SP 009.104	Passive components
SAA SP 009.105	Semi-conductors and electron tubes
SAA SP 009.106	Production and conversion of electrical energy
SAA SP 009.107	Switchgear, control gear, and protective devices
SAA SP 009.108	Measuring instruments, lamps and signalling devices
SAA SP 009.109	Telecommunications – Switches and peripheral equipment
SAA SP 009.110	Telecommunications - Transmission
SAA SP 009.200	SYMCAD
SAA SP 019	Graphic symbols for process flow diagrams for the food industry – Electronic version of AS 1109