

[illegible]

• architectural drawings, including:										
- site plans, floor plans detailed drawings and standard drawings	Appendix J. Fig 3.17	Pethebridge, Electrical Wiring Practice 8e	6.5 Working with specifications, schedules and drawings		11	1, 2	2, 3, 4	2		1
- architectural floor plans to determine the power and lighting or communications/audio/video layouts required in a domestic installation		Pethebridge, Electrical Wiring Practice 8e	6.5 Working with specifications, schedules and drawings			1, 2	2, 3, 4	2		1
- site plans to locate the service point, consumer mains, communication services, main switchboard, distribution boards and/or builders supplies	Clauses 1.4.92; to 1.4.95. 3.11.5 Table 3.7. Sections 2.10, 3.11 & 3.12	Pethebridge, Electrical Wiring Practice 8e	6.5 Working with specifications, schedules and drawings	9		1, 2	2, 3, 4	2		1
- standard drawing scales to determine the actual lengths represented by dimensions on an architectural drawing	Fig 4.9	Pethebridge, Electrical Wiring Practice 8e	6.5 Working with specifications, schedules and drawings	20		1, 2	2, 3, 4	2		1
- Australian standard symbols used on floor plans to show the location of the accessories and appliances as detailed in an electrical schedule	refer to AS1102 Electrical symbols.	Pethebridge, Electrical Wiring Practice 8e	6.5 Working with specifications, schedules and drawings		12	1, 2	2, 3, 4	2		1
• building construction drawings and diagrams, including:										
- building types: timber frame, brick veneer, double brick and metal frame	Section 3.9.4 Protection against mechanical damage. Figures 3.3 to 3.7	Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work		14, 15	8, 9, 10	18, 19, 20, 21, 22, 23, 24, 25, 26			4
- identification of different types of footings, floors, external walls, roofs and interior walls		Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work		15	8, 9, 10	18, 19, 20, 21, 22, 23, 24, 25, 26			4
- typical cable routes through buildings, structures and premises	see section 1.5 Fundamental Principles	Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work		15	8, 9, 10	18, 19, 20, 21, 22, 23, 24, 25, 26			4
- sequence of each constructional stage for brick, brick veneer and timber cottages		Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work			8, 9, 10	18, 19, 20, 21, 22, 23, 24, 25, 26			4
- identification of the stages at which the electrical/communications—first and second fixing occurs in the constructional sequence		Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work			8, 9, 10	18, 19, 20, 21, 22, 23, 24, 25, 26			4
- areas of cooperation between electrical/communications and other building trades	Table 3.7 Separation of U/G services	Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work	22, 23, 24, 25		8, 9, 10	18, 19, 20, 21, 22, 23, 24, 25, 26			4
• circuit diagrams, including:										
- purpose of circuit diagrams in the electrotechnology industry	See Figure 7.6 as example	Pethebridge, Electrical Wiring Practice 8e	6.3 Circuits in general wiring	5, 11, 12	2, 5	4, 5, 6	11	1		2
- conventions used in and the features of circuit diagrams		Pethebridge, Electrical Wiring Practice 8e	6.3 Circuits in general wiring			4, 5, 6	11	1		2
- common symbols used in circuit diagram	refer to AS/NZS1102 Electrical symbols.	Pethebridge, Electrical Wiring Practice 8e	6.3 Circuits in general wiring	31		4, 5, 6	11	1		2
• electrical drawings, including:										
- types of electrical drawings: block, circuit, wiring and ladder diagrams	List of figures gives many examples	Pethebridge, Electrical Wiring Practice 8e	6.2 Electrical circuits and wiring diagrams		6	3	5, 6, 7, 8, 9, 10		1	2
- purpose and application of block, circuit, wiring diagrams and ladder diagrams	List of figures gives many examples i.e. Fig 4.9	Pethebridge, Electrical Wiring Practice 8e	6.2 Electrical circuits and wiring diagrams		1, 8, 9	3	5, 6, 7, 8, 9, 10		2, 3	2
- Australian standard symbols used to represent components on electrical diagrams	refer to AS1102 Electrical symbols.	Pethebridge, Electrical Wiring Practice 8e	6.2 Electrical circuits and wiring diagrams	32		3	Slide 5, 6, 7, 8, 9, 10			2
- converting a circuit diagram to a wiring diagram		Pethebridge, Electrical Wiring Practice 8e	6.2 Electrical circuits and wiring diagrams			3	Slide 5, 6, 7, 8, 9, 10			
- identification of cable type, origin and route from a cable schedule		Pethebridge, Electrical Wiring Practice 8e	6.2 Electrical circuits and wiring diagrams	18		3	Slide 5, 6, 7, 8, 9, 10			2
- developing a cable schedule for a given installation	Section 2.10	Pethebridge, Electrical Wiring Practice 8e	6.2 Electrical circuits and wiring diagrams			3	Slide 5, 6, 7, 8, 9, 10			2
• purpose, format and content of typical job specifications, including common templates on which job specifications are written		Pethebridge, Electrical Wiring Practice 8e	6.4.1 Specifications for electrical work	8, 26, 27	7, 10	13, 14	Part 2-10, 11, 12			6
• regulations for undertaking electrical work, including legislative requirements for ensuring electrical or electronic equipment is safe i.e. compliance requirements of electrical installations										5
• scope of work covered by licensing in the electrotechnology industry (electrical licensing)	Section 1 Scope	Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work		16, 17		Part 2-2, 3, 4			
- legislative requirements for ensuring electrical or electronic equipment is safe, including compliance requirements of electrical installations	Part 1 & Part 2 of the wiring rules.	Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work	7, 30	17		Part 2-2, 3, 4			
• relevant WHS/OHS legislated requirements										
• relevant workplace policies and procedures include risk mitigation process										
• standards philosophy and format, including:										
- performance verses prescriptive requirements		Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work		3	11, 12	Part 2-5, 6, 7, 8, 9			5
- purpose of technical standards and their development	Preface and Section 1	Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work			11, 12	Part 2-5, 6, 7, 8, 9			5
- role of Standards Australia/New Zealand, International Organisation for Standardisation (ISO) and the International Electrotechnical Commission (IEC)	Preface	Pethebridge, Electrical Wiring Practice 8e	6.4.2 Architectural electrical drawing plans	21		11, 12	Part 2-5, 6, 7, 8, 9			5
- how standards are used in compulsory and accreditation compliance schemes	Section 8.3	Pethebridge, Electrical Wiring Practice 8e	6.5 Working with specifications, schedules and drawings			11, 12	Part 2-5, 6, 7, 8, 9			5
- arrangement and use of technical standards in relation to electrical and electronic work		Pethebridge, Electrical Wiring Practice 8e	6.6 Use of software and mobile devices in electrical work		18	11, 12	Part 2-5, 6, 7, 8, 9			5
- how to read and apply a standard	Forward	Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work			11, 12	Part 2-5, 6, 7, 8, 9			5
- standards and codes that apply to all types of electrical installations	Refer Part 2	Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work			11, 12	Part 2-5, 6, 7, 8, 9			5
- standards mandated under regulation (e.g. Wiring Rules) or by an authority, deemed-to-comply standard and local service requirements (e.g. service rules)	Section 1	Pethebridge, Electrical Wiring Practice 8e	6.2 Electrical circuits and wiring diagrams	28, 29		11, 12	Part 2-5, 6, 7, 8, 9			5

- codes applicable to electrical safe working practices and some aspects of the Building Code of Australia (BCA)	Appendix E	Pethebridge, Electrical Wiring Practice 8e	6.4 Undertaking electrical work			11, 12	Part 2-5, 6, 7, 8, 9			5
• wiring diagrams, including:										
- purpose of wiring diagrams in the electrotechnology industry		Pethebridge, Electrical Wiring Practice 8e	6.2 Electrical circuits and wiring diagrams	6, 16	4, 13	7				3
- conventions used in and the features of wiring diagrams		Pethebridge, Electrical Wiring Practice 8e	6.2 Electrical circuits and wiring diagrams			7				3
- common symbols used in wiring diagrams	AS/NZS 1102	Pethebridge, Electrical Wiring Practice 8e	6.2 Electrical circuits and wiring diagrams			7				3