

Section 6.10. Objectives and Functional Statements

6.10.1. Objectives and Functional Statements

6.10.1.1. Attributions to Acceptable Solutions

1) For the purpose of compliance with this By-law as required in Clause 1.2.1.1.(1)(b) of Division A, the objectives and functional statements attributed to the acceptable solutions in this Part shall be the objectives and functional statements listed in Table 6.10.1.1. (See Note A-1.1.2.1.(1).)

Table 6.10.1.1.
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 6
Forming Part of Sentence 6.10.1.1.(1)

Functional Statements and Objectives ⁽¹⁾	
6.2.1.1. Good Engineering Practice	
(1)	(a) to (e) [F31,F51-OP1.1]
	(a) to (c) and (e) to (j) [F40,F41,F50,F51,F52,F54,F63-OH1.1]
	(a),(b),(c),(e),(f),(g),(h) [F50,F51,F52,F54,F63-OH1.2,OH1.3]
	[F31,F50,F51,F52,F54,F63-OS3.2,OS3.4]
	(d) [F01-OS1.1]
6.2.1.2. Outdoor Design Conditions	
(2)	[F40,F44,F50-OH1.1]
	[F44-OS3.4]
(3)	[F40,F44,F50-OH1.1]
	[F44-OS3.4]
6.2.1.3. Expansion, Contraction and System Pressure	
(1)	[F20-OS3.2]
6.2.1.4. Structural Movement	
(1)	[F23-OS3.1]
	[F51,F63,F50-OH1.1,OH1.2,OH1.3]
6.2.1.5. Installation Standards	
(1)	[F43-OS1.1]
	[F43-OS3.4]
	[F43-OP1.1]
6.2.1.6. Installation – General	
(1)	[F82-OS1.1]
	[F82-OS3.4]
	[F82-OP1.1]
(2)	[F31-OS3.1]
(3)	[F81-OS3.2,OS3.3,OS3.4]
	[F81-OS1.1]
6.2.1.7. Asbestos	
(1)	[F43-OH1.1]
6.2.2.1. Applicable Standard	
(1)	[F81-OS1.1]
6.2.3.1. Solid Fuel Storage Bins	
(1)	[F30-OH2.1]

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Table 6.10.1.1. (continued)
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 6
 Forming Part of Sentence 6.10.1.1.(1)

Functional Statements and Objectives ⁽¹⁾	
(2)	[F01-OS1.1] [F01-OP1.1]
6.3.1.1. Required Ventilation	
(1)	[F50,F31,F63,F51,F54,F52-OS1.1] [F50,F31,F63,F51,F54,F52-OP1.1]
(2)	[F50-OH1.1]
(4)	[F50-OH1.1]
6.3.1.2. Crawl Spaces and Attic or Roof Spaces	
(1)	[F61,F63,F41-OH1.1,OH1.3]
6.3.1.3. Natural Ventilation	
(1)	[F50-OH1.1]
(2)	[F50-OH1.1]
6.3.1.4. Ventilation of Storage Garages	
(1)	[F50,F44-OS3.4]
(2)	[F44-OS3.4]
(3)	[F44-OS3.4]
(4)	[F50,F44-OS3.4]
(5)	[F50,F44-OH1.1] [F50,F44-OS3.4]
6.3.1.6. Indoor Air Contaminants	
(1)	[F44-OS3.4] [F44-OH1.1]
(2)	[F44-OH1.1]
(3)	[F52-OH1.1]
6.3.1.7. Commercial Cooking Equipment	
(1)	[F01,F44-OS1.1] [F01,F44-OP1.1]
(2)	[F44-OS1.1,OH5]
(3)	[F01,F44-OS1.1] [F01,F44-OP1.1] [F56-OH3]
6.3.2.2. Drain Pans	
(1)	[F40,F41,F44,F50,F82-OH1.1]
(2)	[F40,F41,F44,F50-OH1.1]
6.3.2.3. Materials in Air Duct Systems	
(2)	[F20,F80-OH1.1,OH1.2]
(3)	[F81,F44-OS3.4] [F81-OH1.1]
(4)	[F20,F80-OH1.1,OH1.2]
6.3.2.4. Connections in Air Duct Systems	
(1)	[F81-OH1.1,OH1.2] [F81,F44-OS3.4]

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Table 6.10.1.1. (continued)
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 6
 Forming Part of Sentence 6.10.1.1.(1)

Functional Statements and Objectives ⁽¹⁾	
6.3.2.5. Duct Coverings and Linings	
(2)	[F81-OH1.1, OH1.2]
	[F81-OS1.1]
	[F81-OP1.1]
6.3.2.7. Interconnection of Systems	
(1)	[F44-OS1.1]
	[F40-OH1.1]
(2)	[F81, F44-OH1.1]
	[F81, F44-OS1.1]
	[F81, F44-OP1.1]
(3)	[F81, F44-OH1.1]
6.3.2.8. Makeup Air	
(1)	[F50, F81-OH1.1]
	[F44, F81-OS3.4]
(2)	[F81-OH1.1]
	[F81, F44-OS3.4]
(3)	[F81-OH1.2]
6.3.2.9. Supply, Return, Intake and Exhaust Air Openings	
(1)	[F30-OS3.1]
	[F81-OH1.2]
(2)	[F44, F81-OH1.1]
	[F81, F44-OS3.4]
(3)	[F44, F81-OH1.1]
	[F44, F81-OS3.4]
(4)	[F81-OH1.1]
(5)	[F82, F81-OH1.1]
	[F82-OS3.4]
6.3.2.10. Exhaust Ducts and Outlets	
(1)	[F44-OH1.1]
(2)	[F44-OH1.1]
(3)	[F81-OH1.1]
	[F81-OH1.2]
(4)	[F81-OH1.1]
	[F81-OH1.2]
(5)	[F81-OH1.1]
(6)	[F81-OH1.1]
(7)	[F81-OS1.1]
(8)	[F40, F44, F50, F52-OH1.1]
	[F01-OS1.1]
	[F01-OP1.1]

Table 6.10.1.1. (continued)
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 6
 Forming Part of Sentence 6.10.1.1.(1)

Functional Statements and Objectives ⁽¹⁾	
(9)	[F40,F44,F50,F52-OH1.1]
	[F01-OS1.1]
	[F01-OP1.1]
(10)	[F81-OH1.1]
(11)	[F81,F44-OH1.1]
	[F81,F44-OS1.1]
(12)	[F81,F44-OH1.1]
(13)	[F81-OH1.2]
	[F81,F44-OH1.1]
6.3.2.11. Return-Air System	
(3)	[F10-OS1.5]
6.3.2.12. Underground Ducts	
(1)	(a) [F44,F81-OH1.2,OH1.3]
	(b) [F44,F81-OH1.1]
	(c) [F44,F81-OH1.1]
(2)	[F81-OH1.1,OH1.2,OH1.3]
6.3.2.13. Filters	
(1)	[F80-OS1.1]
	[F80-OP1.1]
(2)	[F30-OS3.3]
	[F81,F43-OH1.1]
6.3.2.14. Cleaning Devices	
(1)	[F30-OS3.3]
	[F81,F43-OH1.1]
(2)	[F40,F43,F44,F50-OH1.1]
	[F44-OS3.4]
6.3.2.15. Evaporative Cooling Towers, Evaporative Fluid Coolers and Evaporative Condensers (Evaporative Heat Rejection Systems)	
(1)	[F40,F41,F50-OH1.1]
(2)	[F40,F41,F50-OH1.1]
(3)	[F40,F41,F50-OH1.1]
(4)	[F40,F41,F50-OH1.1]
(6)	[F40,F41,F50-OH1.1]
(9)	[F40,F41,F50-OH1.1]
(11)	[F40,F41,F50-OH1.1]
(13)	[F40,F41,F50,F82-OH1.1]
	[F82-OS3.1]
6.3.2.16. Evaporative Air Coolers, Misters, Atomizers, Air Washers and Humidifiers	
(1)	[F40,F41,F50-OH1.1]
(2)	[F40,F41,F50-OH1.1]
(3)	[F40,F41,F50-OH1.1]
(4)	[F40,F41,F50-OH1.1]
	[F40,F41,F50,F82-OH1.1]

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Table 6.10.1.1. (continued)
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 6
 Forming Part of Sentence 6.10.1.1.(1)

Functional Statements and Objectives ⁽¹⁾	
(5)	[F40,F41,F50-OH1.1]
6.3.2.17. Fans and Associated Air-Handling Equipment	
(1)	[F81,F44-OH1.1]
	[F81,F44-OS3.4]
(2)	[F81-OH1.1]
6.3.3.1. Requirement for Venting	
(2)	[F40,F44,F50-OH1.1]
6.3.3.2. Masonry or Concrete Chimneys	
(2)	[F01-OS1.1]
	[F01-OP1.1]
6.3.3.3. Metal Smoke Stacks	
(1)	[F01-OS1.1]
	[F01-OP1.1]
6.3.3.4. Access Ladders	
(1)	[F20,F80-OS3.1]
(2)	[F30-OS3.1]
6.3.4.2. General Ventilation	
(1)	(a),(b),(d),(e) [F01-OS1.1]
	(c) [F02-OP1.2]
	(c) [F02-OS1.2] [F81,F82-OS1.1]
(2)	[F11,F81-OS1.1]
6.3.4.3. Enclosure Exhaust Ventilation	
(1)	(a),(c),(d) [F01-OS1.1]
	(b) [F02-OP1.2]
	(e) [F12-OP1.1,OP1.2]
	(a) [F02-OP1.2]
	(b) [F02-OS1.2] [F81-OS1.1]
	(e) [F12-OS1.1,OS1.2]
	(a) [F02-OS1.2]
	(a) [F01-OS1.1]
6.3.4.4. Enclosure Construction	
(1)	(a) [F02-OS1.2] Applies to portion of By-law text: "... be constructed of noncombustible materials ..."
	(b) [F02-OP1.2]
	(a) [F02-OP1.2] Applies to portion of By-law text: "... be constructed of noncombustible materials ..."
	(a) [F80-OS3.4] Applies to portion of By-law text: "... be constructed of ... materials ... chemically resistant to the dangerous goods vapours and particles being exhausted ..."
	(b) [F02-OS1.2] [F82-OS1.1]
	(a) [F80-OS1.1] Applies to portion of By-law text: "... be constructed of ... materials ... chemically resistant to the dangerous goods vapours and particles being exhausted ..."
	(a) [F01-OS1.1] Applies to portion of By-law text: "... be constructed of ... materials compatible with ... the dangerous goods vapours and particles being exhausted ..."
(3)	[F02-OS1.2]
	[F02-OP1.2]

Table 6.10.1.1. (continued)
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 6
 Forming Part of Sentence 6.10.1.1.(1)

Functional Statements and Objectives ⁽¹⁾	
6.4.1.2. Appliances Installed Outside the Building	
(1)	[F81-OP1.1]
	[F81-OH1.1]
	[F81-OS1.1]
6.4.2.1. Clearances	
(1)	[F01-OP1.1]
	[F01-OS1.1]
6.4.3.1. Lining or Backing	
(1)	[F01-OS1.1]
	[F01-OP1.1]
(2)	[F01-OS1.1]
6.5.1.1. Insulation and Coverings	
(2)	[F20,F30-OS3.2,OS3.4]
(3)	[F31-OS3.2]
6.6.1.1. Cooling Units	
(1)	[F43,F81-OS3.4]
6.7.1.1. Piping Materials and Installation	
(1)	[F20-OS3.2,OS3.4]
(2)	[F21-OH1.1]
(3)	[F20-OS2.2]
6.7.1.2. Clearances	
(1)	[F01-OS1.1]
	[F01-OP1.1]
6.7.1.3. Surface Temperature	
(1)	[F31-OS3.2]
6.7.1.4. Protection	
(1)	[F01-OS1.1]
	[F01-OP1.1]
6.7.2.1. Storage Bins	
(1)	[F30,F31,F43-OS3.2,OS3.4]
(2)	[F01-OS1.1]
	[F01-OP1.1]
6.8.1.1. Access Openings	
(1)	[F36-OS3.6]
6.8.1.2. Openings in Air Duct Systems	
(1)	[F81-OH1.1,OH1.2]
	[F81,F44-OS3.4]
(2)	[F82-OS1.1]
6.8.1.3. Odour Removal Equipment	
(1)	[F82-OH1.1]
(2)	[F82-OH1.1]

Table 6.10.1.1. (continued)
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 6
 Forming Part of Sentence 6.10.1.1.(1)

Functional Statements and Objectives ⁽¹⁾	
6.9.1.2. Hazardous Gases, Dusts or Liquids	
(1)	[F01-OP1.1]
	[F01-OS1.1]
(2)	[F01-OS1.1]
	[F01-OP1.1]
6.9.1.3. Commercial Cooking Equipment	
(1)	[F02,F81-OS1.2]
	[F02,F81-OP1.2]
6.9.3.1. Carbon Monoxide Alarms	
(2)	(a),(b),(d) [F44-OS3.4]
	(c) [F81-OS3.4]
(3)	[F44-OS3.4]
(4)	[F44-OS3.4]
(5)	[F44-OS3.4]
6.9.4.1. Ash Storage Bins	
(1)	[F01-OS1.1]
	[F01-OP1.1]
(2)	[F01-OS1.1]
	[F01-OP1.1]

Notes to Table 6.10.1.1.:

(1) See Parts 2 and 3 of Division A.