

**Building and Engineering
Elements and Sub-Elements**
Scottish Health Technical Note 00-01
Appendix A

**SHTN
00-01**

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Appendix A Building and engineering elements and sub-elements

A.1 Building and Engineering Elements and Sub-Elements

Table A.1 - Elements and Sub-Elements

Elements and Sub-Elements
Elements and Sub-Elements
1.00 Structure
01.01 - Substructure
01.02 - Frames
01.03 - Floors and stairs
01.04 - Roofs
2.00 External Fabric
02.01 - External walls and finishes
02.02 - Windows and ironmongery
02.03 - External doors and ironmongery
02.04 - External cladding/ eaves detail
02.05 - External decoration
02.99 - Other
3.00 Roof
03.01 - Coverings - pitched
03.02 - Coverings - flat
03.03 - Roof lights
03.04 - Rainwater goods
03.05 - Chimney stacks and parapet walls
03.99 - Other
4.00 Internal Fabric
04.01 - Internal walls and Finishes
04.02 - Floor coverings
04.03 - Ceilings finishes
04.04 - Ceilings - suspended
04.05 - Internal doors and ironmongery

Elements and Sub-Elements
04.06 - Internal decoration
04.99 - Other
5.00 Internal Fittings and Fixtures
05.01 - Sanitary ware/ fittings
05.02 - Unit furniture
05.03 - Internal fittings and furniture
6.00 External Grounds and Gardens
06.01 - Landscaping
06.02 - Walls, fencing and gates
06.03 - Roads and car parks
06.04 - Paths and paved areas
06.05 - External fittings and furniture
06.06 - Ancillary buildings
7.00 Drainage and External Services
07.01 - Drainage/ sewerage
07.02 - External utilities infrastructure
07.03 - Site lighting
07.04 - Lightning protection
07.05 - CCTV (external)
8.00 Fuel Storage and Distribution
08.01 - Fuel supply/ distribution
08.02 - Storage
9.00 Boilers and Calorifiers
09.01 - Boiler plant
09.02 - Pressurisation plant
09.03 - Calorifiers/ heat exchangers
09.04 - Flues
09.05 - Controls/ meters
09.06 - Insulation
10.00 Steam Systems
10.01 - Distribution pipework

Elements and Sub-Elements
10.02 - Valves
10.03 - Controls
10.04 - Meters
10.05 - Condense systems
10.06 - Insulation
11.00 Heating Systems
11.01 - Distribution pipework
11.02 - Heat emitters
11.03 - Controls
11.04 - Heating pumps
11.05 - Insulation
12.00 Ventilation Systems
12.01 - Ventilation plant
12.02 - Distribution ductwork
12.03 - Automatic fire dampers and control panel
12.04 - Controls
12.05 - Room split/ chillers/ compressors
12.06 - Chillers/ cooling systems
12.07 - Cooling towers
13.00 Medical Gas Systems
13.01 - Vacuum insulated evaporators
13.02 - Distribution
13.03 - Manifolds
13.04 - Gas cylinder storage
13.05 - Outlets
13.06 - Alarm systems
13.07 - Medical air compressors/ vacuum pumps
14.00 Hot and Cold Water Systems
14.01 - Water storage and header tanks

Elements and Sub-Elements
14.02 - Water treatment plant
14.03 - Distribution pipework
14.04 - Pumps
14.05 - Valves/ controls
14.06 - Water heaters
14.07 - Insulation
14.99 - Other - sprinkler installation
15.00 Lifts and Hoists
15.01 - Passenger lifts
15.02 - Goods lifts
15.03 - Hoists
15.04 - Control panel
15.99 - Other
16.00 Fixed Plant/ Equipment
16.01 - Sterilisers
16.02 - Bedpan disposal
16.03 - Disinfection equipment
16.04 - Catering equipment
16.05 - Laundry equipment
16.06 - Miscellaneous equipment
17.00 Electrical system
17.01 - HV network
17.02 - Generators
17.03 - Switchgear
17.04 - Distribution boards
17.05 - Wiring systems/ bonding
17.06 - Fittings
17.07 - Luminaires
17.08 - Emergency luminaires
17.99 - Other

Elements and Sub-Elements
18.00 Communication Systems
18.01 - Telephone systems
18.02 - Data transmission
18.03 - Paging systems
18.04 - Nurse call systems
18.05 - Radio and television systems
18.06 - Bedhead services
19.00 Alarms and Detection Systems
19.01 - Fire alarm panels
19.02 - Fire alarm wiring system
19.03 - Security systems
19.04 - CCTV (internal)
19.05 - Panic attack system
19.06 - Other alarm systems
20.00 Building Management Control System
20.01 - Building Management System