

Forming access panels, recesses, expansion gaps, etc.
 Vapour barriers and thermal and acoustic insulation when fixed as part of the lining installation
 Sanding, sealing, finishing, etc., when required to be executed with the lining either on or off site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5132 Prefinished plywood linings

Prefinished plywood sheet linings, with edges butted, tongued and grooved, or rebated, face or secret nailed to framing, with associated battens, cover moulds, trim, etc.

Prefinished plywood board linings fixed to studs, beams, joists, battens, etc., and prepared for exposed natural finishes to form dado, wall, ceiling and soffit linings
 Timber battens provided as part of the installation of the lining including fixing by adhesive or mechanical means

Forming access panels, recesses, expansion gaps, etc.
 Vapour barriers and thermal and acoustic insulation when fixed as part of the lining installation
 Sanding, sealing, finishing, etc., when required to be executed with the lining either on or off site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5133 Prefinished manufactured timber board linings

Prefinished manufactured timber sheet linings, with edges butted, tongued and grooved, or rebated, face or secret nailed to framing, with associated battens, cover moulds, trim, etc.

Prefinished manufactured timber board linings fixed to studs, beams, joists, battens, etc., and prepared for exposed natural finishes to form dado, wall, ceiling and soffit linings
 Timber battens provided as part of the installation of the lining including fixing by adhesive or mechanical means

Forming access panels, recesses, expansion gaps, etc.
 Vapour barriers and thermal and acoustic insulation when fixed as part of the lining installation
 Sanding, sealing, finishing, etc., when required to be executed with the lining either on or off site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5134 Prefinished fibre cement linings

Prefinished fibre cement linings, fixed to framing

Prefinished fibre cement linings to walls and ceilings with moulds and jointers to all joints, edges and angles
 Forming openings with associated trim exposed as part of the lining or panelling
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5135 Prefinished fibrous plaster linings, fixed to framing

Prefinished fibrous plaster sheets, fixed to framing

Prefinished fibrous plaster sheets, with mouldings and jointers to all joints, edges and angles
 Forming openings with associated trim exposed as part of the lining or panelling
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5136 Prefinished plasterboard linings

Prefinished plasterboard linings, fixed to framing

Prefinished plasterboard linings, with mouldings and jointers to all joints, edges and angles
 Forming openings with associated trim exposed as part of the lining or panelling
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5137 Prefinished rigid plastic linings

Prefinished rigid plastics linings, fixed to framing

Prefinished unbacked solid plastics sheeting

Prefinished linings with facings of plastics laminates with mouldings and jointers to all joints, edges and angles
 Studding, grounds and unexposed supports when required to be executed with the lining and panelling
 Packings, tongues, rebates, screws, backscrewing, screwing and pelleting, adhesive jointing and fixing, and all other means of assembling, jointing and fixing
 Forming openings with associated trim exposed as part of the lining or panelling
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5138 Prefinished metal faced linings

Prefinished metal faced linings, fixed to framing

Backed plain, embossed and textured metal linings, with moulding and jointers to all joints, edges and angles
 Studding, grounds and unexposed supports when required to be executed with the lining and panelling
 Packings, tongues, rebates, screws, backscrewing, screwing and pelleting, adhesive jointing and fixing, and all other means of assembling, jointing and fixing
 Forming openings with associated trim exposed as part of the lining or panelling
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5139 Sheet metal linings fixed to framing

Sheet metal linings, fixed to framing to form wall, ceiling and soffit linings

Plain, corrugated, embossed and perforated prefinished sheet metal as wall, ceiling and soffit linings, fixed to framing
 Sheet metal substrates for support, sound absorption etc.
 On site surface finishing or prefinished
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

515 Trim and protection

5151 Trim to walls, partitions and openings

Trim fixed to junctions of horizontal and vertical surfaces, intersections and at edges of openings

Trim of timber, metal, plastics, etc., including architraves, skirtings, cornices, picture rails, cover beads, etc., fixed at junctions of materials and surfaces and at edges of openings except where the trim is integrally associated with & installed under other Work sections
 Protective coatings and decorative finishes applied off site and preparation to receive protective coatings and decorative finishes on site

5152 Protection rails to linings and services

Protection against physical damage, in the form of rails or bumpers fixed to lining

Rails of timber, metal and plastics, fixed to framing to provide protection to linings against physical damage
 Shaped casings of plywood, metal and plastics to protect piping, cabling, radiators, etc., fixed to linings
 Corner guards of light sheet metal, plastics, etc., to corners, columns and projections, except where forming part of the lining
 Rails fixed to framing to protect the linings and act as handrails
 Bumpers of timber, rubber, etc., fixed to walls, loading docks and openings
 Preparing surfaces and applying protective coatings, and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Non-fixed work (see Explanatory notes)

516 Metal wire covering fixed to framings

5161 Metal wire covering fixed to framing

Wire covering fixed to framing

Covering of welded or woven steel wire, chain link steel wire, copper and bronze woven wire, and aluminium woven and link wire mesh, fixed to framing to form air-permeable enclosures and partitions
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

517 Special performance linings

5171 Fire protection linings

Linings to walls, ceilings, structural steelwork, ducts etc., to provide a required fire rating, constructed in situ

Timber and/or metal framing to support the lining material

Casing of plasterboard, fibrous plaster, calcium silicate, mineral wool and other mineral boards, of the required thickness

Fixing lining to framing

Forming openings and cutting holes as required to suit sub-contractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

5172 Acoustic linings

Linings to provide sound absorption

Perforated rigid sheet surfacing, backed with sound absorbent materials, fixed to walls soffits

Sound absorbent surfacing materials, fixed to walls and soffits

Sound absorbent boards with or without surface covering, fixed to walls and soffits

Sprayed sound-absorbent surfacing materials to walls and soffits

Anechoic formed shapes, fixed to walls and soffits

Acoustic shaped absorbers and reflectors, to reduce or reinforce sound, including supports

5173 Radiation protection linings

Linings to walls, ceilings, structural steelwork, ducts etc., to provide a required radiation protection level, constructed in situ

Timber and/or metal framing to support the lining material

Casing of plasterboard, fibrous plaster, and other mineral boards, combined with lead, barium or other radiation barrier treatments, and of the required thickness

Fixing lining to framing

Special jointing requirements

Forming openings and cutting holes as required to suit sub-contractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

5174 Impact resisting linings

Linings to walls, ceilings, structural steelwork, ducts etc., to provide increased levels of impact resistance over comparable boards, constructed in situ

Timber and/or metal framing to support the lining material

Casing of high density plasterboard, fibrous plaster, and other mineral boards, with or without reinforcing, and of the required thickness

Fixing lining to framing

Forming openings and cutting holes as required to suit sub-contractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

519 Ancillary items; repairing and renovating/altering linings

5191 Ancillary items

5197 Cleaning, repairing and renovating existing linings

Cleaning, repairing and renovating existing linings

5198 Alteration work; demolishing and reconstructing linings

Demolishing and reconstruction linings, as part of general demolition, reconstruction, alterations and additions

52 Partitions and doors

521 Partitions

5211 Metal frame partitions

Proprietary and non-proprietary metal frame partitions of all types

Partitions of dry construction, with a framework of steel stud and/or aluminium extrusions, fixed to floors, walls and ceilings, within which are installed horizontal and vertical members, door frames, trim, etc.
 Modular and/or purpose made prefinished panels of all types
 Assembling panels without studs, framing, etc., to form partitions, cubicles and cubicle partitions with panels placed or slid into position between floor plates and top rails
 Connecting, stiffening and fixing devices for frames or panels
 Skirtings, head mouldings, trim, etc., where an integral part of the partitioning system, and supporting legs and brackets where partitions are clear of the floor
 Glass sheets fixed into the framing
 Metal or timber studs/nogs installed within the aluminium framework to support solid sections of the partitioning
 Plasterboard or other board fixed to studs, stopped and skim coated or otherwise prepared to receive surface finish
 Panels and sheets fixed to studs
 Finishes of paint, fabric, vinyl, veneer and other thin sheets, applied on or off site
 Provision for and of electrical, communication and other building services in partitions, ready for connection to supply services
 Doors, windows, hatches, glazed lights, openings, shutters, etc., including hardware where an integral part of the partitioning system
 Curtain tracks and rails where integrally attached to the partitions
 Additional provisions to the standard partition system to achieve improved acoustic performance and fire rating
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5212 Timber frame partitions

Proprietary and non-proprietary timber frame partitions of all types

Partitions of dry construction, with a framework of timber and aluminium extrusions, fixed to floors, walls and ceilings, within which are installed horizontal and vertical members, door frames, trim, etc.
 Modular and/or purpose made prefinished panels of all types
 Assembling panels without studs, framing, etc., to form partitions, cubicles and cubicle partitions with panels placed or slid into position between floor plates and top rails
 Connecting, stiffening and fixing devices for frames or panels
 Skirtings, head mouldings, trim, etc., where an integral part of the partitioning system, and supporting legs and brackets where partitions are clear of the floor
 Glass sheets fixed into the framing
 Plasterboard or other board fixed to studs, stopped and skim coated or otherwise prepared to receive surface finish
 Panels and sheets fixed to studs
 Finishes of paint, fabric, vinyl, veneer and other thin sheets, applied on or off site
 Provision for and of electrical, communication and other building services in partitions, ready for connection to supply services
 Doors, windows, hatches, glazed lights, openings, shutters, etc., including hardware where an integral part of the partitioning system
 Curtain tracks and rails where integrally attached to the partitions
 Additional provisions to the standard partition system to achieve improved acoustic performance and fire rating
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5214 Toilet and cubicle slab partitions

Proprietary and non-proprietary toilet partitions and cubicle partitions, constructed of slabs and sheets, fixed directly to each other and to the building fabric, or set into rails, frames and posts

Slabs or sheets of stone, terrazzo, precast concrete, GRC, solid plastics, plastics or metal-faced sheets, safety glass and other materials
 Slabs or sheets fixed directly to each other and to the building fabric

Slabs or sheets set into a framework of rails, transoms, posts, etc., taken to and fixed to floors, walls and ceilings, or supported on legs and brackets
 Doors, windows, hatches, glazed lights, openings, etc., and associated frames where an integral part of the partition system, including hardware
 Provision for electrical, communication and other building services in partitions, ready for installation and connection to supply services
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5215 Wood plank and board partitions

Wood planks and boards laid vertically or horizontally into frames to form partitions or cubicle partitions

Solid wood planks, including glue jointed planks, with butt or T&G joints, prefinished or prepared to receive painting, clear finishing or coverings
 Planks and boards of manufactured timber, prefinished or prepared to receive finishing, including sheet covering
 Supporting framework to support planks and boards, with posts, rails, transoms, etc.
 Doors, windows, openings, etc., and associated frames where an integral part of the partition system, including hardware
 Provision for electrical and communication services in partitions, ready for installation and connection to supply services
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5216 Panelized partitions

Self spanning planks, boards and panels of any material, laid vertically or horizontally into edge channels or frames to form partitions

Self spanning, solid or composite, proprietary planks, boards or panels installed between structural elements
 Self spanning, solid or composite, non-proprietary planks, boards or panels installed between structural elements
 Planks, boards or panels prefinished or prepared to receive finishing, including sheet covering
 Supporting framework or channels to support planks, boards or panels
 Doors, windows, openings, etc., and associated frames where an integral part of the partition system, including hardware
 Provision for services in partitions, ready for installation and connection to supply services
 Additional provisions to the standard system to achieve improved acoustic performance and fire rating
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

522 Special performance partitions

5221 Fire-rated partitions

Partitions of proprietary or non-proprietary construction, including plenum and ceiling barriers, to provide a specified fire-rating

Proprietary fire-rated partitions to provide a specified fire rating, installed between two horizontal or sloping fire-rated floors and/or roofs, complete with doors, windows, glazed panels, access panels and openings protected by heat-activated shutters or covers
 Fire-rated partitions constructed on site, faced with fibre cement, fibrous plaster, plasterboard, etc., to provide a specified fire rating, with framing and linings conforming to approved practice, prepared to receive fire-rated doors, windows, glazed panels, access panels and openings, protected by heat-activated shutters or covers
 Fire-rated barriers constructed in space above suspended ceilings when not part of the ceiling system
 Partitions to be self-finished or finished after installation
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5222 Acoustic-rated partitions

Partitions of proprietary or non-proprietary construction, to provide a specified sound attenuation

Proprietary sound-rated partitions to provide a specified level of sound attenuation, complete with doors, windows, glazed panels and access panels

Sound-rated partitions constructed on site of fibre cement, fibrous plaster, plasterboard, etc., with acoustic clip fixings, to provide a specified level of sound attenuation, prepared to receive doors, windows, glazed panels and access panels, designed and constructed to provide the same or better sound attenuation as the partition

Sound-rated barriers constructed in space above suspended ceilings when not part of the ceiling system

Partitions to be self-finished or finished after installation

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

5223 Heat-insulated partitions

Partitions of proprietary or non-proprietary construction erected between areas within a building with different levels of temperatures and relative humidity

Proprietary partitions to provide a specified insulation value and a total barrier to moisture vapour, either in one direction through the partition or in both directions

Partitions constructed on site to provide a barrier to the transmission of heat and moisture vapour

Windows, doors and glazed panels to provide the same insulation levels as the partition

Partitions to be self-finished or finished after installation

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

5224 Proprietary service wall partitions

Proprietary partition systems, supported on metal framing, designed to accommodate building services and to support equipment and shelving, storage units, etc., with removable panels to provide access to the building services sometimes pre-fabricated

5225 Operable partitions

Operable partitions, of framed or frameless glass, solid doors, etc., usually top-hung but sealed to the floor when at rest but capable of being moved and stacked and maintaining fire-rated and/or acoustic performance at rest

5226 Ballistics/security partitions

523 Interior doors and windows

5231 Interior doors, windows, frames and doorsets

Interior windows, doors and frames when not part of a partition system

Suites of windows and frames, doors and frames, fixed lights, hatches, panels, etc., installed internally.

Glazing, hardware, ventilation panels, etc., supplied and fixed off site

Fixing supplied hardware

Frames with provision for doors, sidelights and fanlights

Door sets of proprietary door frames and doors, including hinged, sliding, roll-up, horizontally rolling, up and over, sliding/folding, sliding/stacking and revolving doors and enclosing screens with hardware supplied and /or fitted

Architraves, trim, etc., when supplied with the suites

Preparing surfaces and applying protective coatings and decorative finishes off site

Preparing surfaces to receive protective coatings and decorative finishes on site

Non-fixed work (see Explanatory notes)

524 Fire-rated interior doors and windows

5241 Fire-rated timber door, window and frame assemblies

Proprietary and non-proprietary fire-rated door, window and frame assemblies including fixed lights, hatches, shutters, panels etc. to provide a specified fire-resistance, with manual or automatic operation when not part of a partition system

Proprietary fire-rated screen assemblies incorporating doors, windows, fixed lights, hatches, shutters, panels, etc., with integral hardware

Fire-rated door, window and frame assemblies with integral hardware

Single leaf hinged fire-rated doors and frames

Double leaf hinged fire-rated doors and frames

Sliding gravity operated fire-rated doors and frames

Sliding counterbalanced fire-rated doors and frames
 Sliding and roll-up fire-rated shutters and frames
 Hardware incorporated in the fire-rated doors and frames
 Installation
 Preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Non-fixed work (see Explanatory notes)

5242 Fire-rated steel door, window and frame assemblies

Proprietary and non-proprietary fire-rated window, door and frame assemblies to provide a specified fire-resistance, with manual or automatic operation

Single leaf hinged fire-rated doors and frames
 Double leaf hinged fire-rated doors and frames
 Sliding gravity operated fire-rated doors and frames
 Sliding counterbalanced fire-rated doors and frames
 Sliding and roll-up fire-rated shutters and frames
 Hardware incorporated in the fire-rated doors and frames
 Fire-rated window and frame assemblies with integral hardware
 Fire-rated roof windows and lights
 Installation
 Preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Non-fixed work (see Explanatory notes)

525 Special function interior doors and windows

5251 Acoustic rated timber doors, windows and frame assemblies

Proprietary and non-proprietary sound insulated door, window and frame assemblies to provide a specified level of sound attenuation when not part of a partition system

Sound insulated hinged door and frame assemblies, with integral hardware
 Sound insulated sliding doors and frame assemblies, with integral hardware
 Sound insulated sliding/stacking door and frame assemblies with integral hardware
 Sound insulated sliding/folding and pantograph doors and frame assemblies with integral hardware
 Sound insulated windows of two or more panes, set in single or split frames, for building into prepared openings
 Hardware, flashings, trim and screens where forming part of the window assembly
 Installation
 Preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Non-fixed work (see Explanatory notes)

5258 Miscellaneous special function interior doors and windows

526 Screens and miscellaneous items

5261 Interior timber screens and shutters

Timber screens and shutters, fixed internally, for decorative purposes, security and light control; screens with infill of louvres, mesh, bars, etc., to prevent the ingress of people, animals and objects

Timber decorative screens, including associated frames
 Timber screens and associated frames to openings, including louvres, wire mesh screening to air intake and relief openings to exclude animals and debris
 Timber screens and associated frames and supports, fixed internally to control heat and light, with fixed or adjustable blades
 Timber shutters to doors and windows, hinged or sliding, fixed internally
 Timber lightproof fixed louvered screens and frames
 Securing screens and shutters to the building fabric, with all necessary anchors, fixings, etc.
 Hardware, operating gear
 Connecting electrically operated items to a designated point of electrical supply
 Preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5262 Fire-rated screen assemblies

Proprietary fire-rated screen assemblies incorporating doors, windows, fixed lights, hatches, shutters, panels, etc., to provide a specified fire-resistance

Proprietary fire-rated screen assemblies incorporating doors, windows, fixed lights, hatches, shutters, panels, etc., with integral hardware

Installation

Preparing surfaces and applying protective coatings and decorative finishes off site

Preparing surfaces to receive protective coatings and decorative finishes on site

Non-fixed work (see Explanatory notes)

529 Ancillary items

5291 Special hardware**5297 Cleaning, repairing and renovating existing partitions**

Cutting out, cleaning, repairing and renovating existing partitions

5298 Alteration work; demolishing and reconstructing partitions

Demolishing and reconstructing partitions as part of general demolition, reconstruction, alterations and additions

53 Ceiling systems

531 Suspended ceilings

5311 Suspended tile ceilings on proprietary suspension systems

Suspended tile ceilings supported on proprietary suspension systems

Proprietary suspension and framing members and grid to receive drop in tiles, panels, etc.
 Self-finished tiles, boards, panels, sheets, strips, open cells, etc., set into the ceiling grid
 Tiles, boards, panels, sheets, strips, open cells, etc., to receive a decorative finish, set into a ceiling grid
 Perimeter trim
 Insulation installed as a part of the ceiling installation
 Access panels, recesses, etc.
 Fire, smoke and sound barriers above false ceiling level if installed as part of the ceiling installation
 Reveals and lining to roof light openings, changes of level, etc., including all supports
 Preparing the ceiling and grid to receive heating, ventilating, lighting, fire detection and control systems, and for other building services
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5312 Suspended ceilings on non-proprietary suspension systems

Suspended ceilings, of dry construction, with ceiling finish or tiles supported on a suspension system made on site, with a main framework and a supporting grid suspended from the building fabric

Suspension and framing members and grid to receive tiles, panels, sheet surfacing, etc.
 Self-finished tiles, boards, panels, strips, open cells, etc., and plasterboard, fibre cement board, fibrous plaster, manufactured timber boards, etc., to receive a decorative finish, set into or supported from a ceiling grid or fixed direct to ceiling framing
 Perimeter trim
 Insulation installed as a part of the ceiling installation
 Access panels, recesses, etc.
 Fire, smoke and sound barriers above false ceiling if installed as part of the ceiling installation level
 Reveals and lining to roof light openings, changes of level, etc., including all supports
 Preparing the ceiling and grid to receive heating, ventilating, lighting, fire detection and extinguishing systems, and for other building services
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5313 Suspended sheet ceilings on proprietary suspension systems

Suspended sheet ceilings fixed to the underside of a proprietary suspension systems

Proprietary suspension and framing members and grid to receive sheets, panels, etc.
 Self-finished sheets, boards, panels, strips, etc., fixed to the ceiling grid
 Plasterboard, fibre cement board, fibrous plaster, manufactured timber boards, etc., to receive a decorative finish, fixed to the ceiling grid
 Insulation installed as a part of the ceiling installation
 Access panels, recesses, etc.
 Fire, smoke and sound barriers above false ceiling level if installed as part of the ceiling installation
 Reveals and lining to roof light openings, changes of level, etc., including all supports
 Preparing the ceiling and grid to receive heating, ventilating, lighting, fire detection and control systems, and for other building services
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

532 Special performance ceilings

5321 Fire-rated suspended ceiling systems

Ceiling systems to provide a fire-rated barrier at suspended ceiling level

Proprietary or non-proprietary suspended ceilings to provide a specified fire rating as a barrier between the occupied space and the space above, complete with insulation and provision for building services
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
Non-fixed work (see Explanatory notes)

5322 Acoustic-rated suspended ceiling systems

Ceiling systems to provide a sound attenuation barrier at suspended ceiling level

Proprietary or non-proprietary suspended ceiling systems to provide a specified sound attenuation between the room and the space above the suspended ceiling

Provision for building services

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

5323 Suspended ceiling systems with integrated building services

Suspended ceiling systems with integrated building services to provide illumination, air-conditioning, radiant heating and cooling

Proprietary or non-proprietary suspended ceiling systems incorporating the specified building services such as illumination, ventilation, air conditioning, electric heating, piped services to provide heating and cooling, and to absorb energy from the illumination sources

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

5324 Insulated suspended ceilings

Suspended ceilings to provide specified insulation where the environmental condition is different on either side of the ceiling

5325 Special hygiene suspended ceilings

Suspended ceilings to provide special hygiene conditions for food processing/ manufacturing or health purposes

533 Membrane ceilings

5331 Stressed membrane suspended ceilings

Suspended ceiling systems using a stressed membrane as the ceiling surface

Suspended ceilings of stressed membranes, either opaque or translucent

Attachment to fixing points for supporting and tensioning the membrane

Non-fixed work (see Explanatory notes)

5332 Fabric suspended ceilings

Suspended ceilings of fabric or flexible materials

Suspended ceilings of fabric, sheet plastics and flexible materials secured at edges and with intermediate supports

Supporting side members where supplied as an integral part of the ceiling installation

539 Ancillary items; repairing and altering ceilings

5391 Components

Components and hardware related to suspended ceiling systems

5397 Cleaning, repairing and renovating existing ceilings

Cutting out, cleaning, repairing and renovating existing ceilings

5398 Alteration work; demolishing and reconstructing ceilings

Demolishing and reconstructing ceilings as part of general demolition, reconstruction, alterations and additions

54 Floors

541 Raised access floors

5411 Proprietary raised access floors

Proprietary raised access floors of dry construction, raised above the structural floor slab to create space for the distribution of building services, with removable panels for access

Adjustable pedestals or pad supports
 Floor panels with or without a floor finish
 Frame to panels (if any)
 Sheet steel box duct sections with covers
 Special panels for ventilation, air conditioning and other services
 Service outlet boxes
 Removable access panels
 Skirtings, edge trim, etc., executed as part of the access floor system
 Fire, smoke and sound barriers
 Bracing
 Ramps and accessways from lower adjacent floor levels
 Adhesives, bearing pads, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5412 Non-proprietary raised access floors

Access floors of dry construction, built in situ, raised above the structural floor slab to create space for the distribution of building services, with removable panels for access

Battens and other supports for flooring panels
 Removable floor panels, fixed to supports, with or without a floor finish
 Special panels for ventilation and other services
 Fire, smoke and sound barriers
 Bracing
 Ramps and accessways from lower adjacent floor levels
 Service outlet boxes
 Removable access panels
 Adhesives, bearing pads, etc.
 Forming openings and cutting holes for all penetrations, including building services, in locations established by others
 Skirtings, edge trim, etc., executed as part of the access floor system
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

542 Ducting for services

5421 Flush floor ducting

Proprietary or non-proprietary floor ducting systems for accommodating power and communications building services, finishing flush with the general substrate floor, with removable access covers

5422 Surface-mounted floor ducting

Surface-mounted floor ducting, including ducting fixed to the substrate below the floor finish

Surface-mounted floor ducting for electrical and communications, services, fixed to the substrate, with provision for entry and exit of services and for outlet points
 Non-fixed work (see Explanatory notes)

5423 Flush and surface-mounted wall and ceiling ducting for building services

Flush and surface-mounted wall and ceiling ducting, including skirting ducting, with or without removable covers, to accommodate pipes and/or cables

Recessed ducting, in walls and ceilings, for building services, with provision for entry and exit of service lines and for outlet points, and with flush cover plates
 Surface-mounted ducting, for building services, fixed to the substrate, with provision for entry and exit of services and for outlet points

Non-fixed work (see Explanatory notes)

543 Floors

5431 Particleboard floors

Floors of particleboard, fixed to framing

Sound insulating packers and supports, fixed to framing
 Thermal insulation and/or vapour barriers fixed at the same time as the flooring
 Particleboard, with butt, fillet, adhesive or shaped joints, fixed to framing
 Sanding, sealing and otherwise preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5432 Timber strip floors

Floors of timber strip, fixed to framing

Sounds insulating packers and supports, fixed to framing
 Thermal insulation and/or vapour barriers fixed at the same time as the flooring
 Timber strip flooring, with edges tongued and grooved or butt jointed, fixed to floor framing, either face nailed or secret nailed
 Proprietary or non-proprietary supporting clips, fixed to timber or concrete subfloor
 Sanding, sealing and otherwise preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5433 Plywood floors

Floors of plywood, fixed to framing

Sound insulating packers and supports, fixed to framing
 Thermal insulation and/or vapour barriers fixed at the same time as the flooring
 Plywood flooring, fixed to framing
 Sanding, sealing and otherwise preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5434 Laminated timber floors

Floors of edge-glued laminated solid timber floor boards, fixed to framing

Sound insulating packers and supports, fixed to framing
 Thermal insulation and/or vapour barriers fixed at the same time as the flooring
 Edge-glued solid timber boarding, fixed to framing
 Sanding, sealing and otherwise preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5438 Miscellaneous floors

Floors of non standard material, fixed to framing

Sound insulating packers and supports, fixed to framing
 Thermal insulation and/or vapour barriers fixed at the same time as the flooring
 Flooring, fixed to framing
 Preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

549 Ancillary items; repairing and altering floors

5491 Components

**5497 Cleaning, repairing and renovating existing, floors, access floors and integral ducting
Cutting out, cleaning, repairing and renovating existing, floors, access floors and integral ducting**

**5498 Alteration work; demolishing and reconstructing, floors, access floors and integral ducting
Demolishing and reconstructing, floors, access floors and integral ducting as part of general demolition, reconstruction, alterations and additions**

55 Joinery fixtures and hardware

551 Fixtures

5511 Purpose-made fixtures

Purpose-made, joinery and cabinetry fixtures of all types, made principally of timber, metal, plastics or of composite materials, incorporating stock items of hardware, drawers, etc.

Fixtures, including:

- counters
- desks
- benches
- worktops
- wardrobes
- dressers
- cupboards, including for kitchen and bathroom
- cabinets, including for kitchen and bathroom
- vanity units
- tables
- storage fittings
- shelves, fixed and adjustable
- mobile shelving, manually or electrically operated
- lockers
- beds and divans, including foldaway beds
- white boards
- chalk boards
- marker boards
- tack boards
- magnetic display boards
- operable display board
- bulletin boards
- telephone hoods
- ironing units
- merchandise display units
- baby changing units

Hardware supplied with the fixtures

Fixings and supports

Preparing fixtures for service outlets

Preparing surfaces and applying decorative finishes off site

Preparing surfaces to receive decorative finishes on site

Non-fixed work (see Explanatory notes)

5512 Proprietary fixtures

Proprietary and stock prefabricated fixtures, made principally of timber, metal, plastics or of composite materials, complete with hardware

Fixtures, including:

- counters
- desks
- benches
- worktops
- wardrobes
- dressers
- cupboards, including for kitchen and bathroom
- cabinets, including for kitchen and bathroom
- cupboards
- cabinets
- vanity units
- tables
- storage fittings
- shelves, fixed and adjustable
- mobile shelving, manually or electrically operated
- lockers
- beds and divans, including foldaway beds
- white boards
- chalk boards

marker boards
 tack boards
 magnetic display boards
 operable display board
 bulletin boards
 telephone hoods
 ironing units
 merchandise display units
 baby changing units

Hardware supplied with the fixtures
 Fixings and supports
 Preparing fixtures for service outlets
 Preparing surfaces and applying decorative finishes off site
 Preparing surfaces to receive decorative finishes on site
 Non-fixed work (see Explanatory notes)

5513 Preformed and prefinished room units

Preformed and prefinished bathroom, shower, kitchen and similar room units

Complete room units of proprietary or non-proprietary design and construction forming bathrooms, showers, kitchens and similar rooms, prepared to receive all services. All with baths, showers, cupboards, tops, sinks, basins, etc., cast or fixed integrally into the units, walls, floors and ceilings fully finished and all tapware and fixtures fitted ready for connection
 Shower units, complete with bases, walls and doors
 Bath units, complete with bath, walls and doors
 Kitchens complete with benches, tops, over- and under- cupboards
 Installing in position and connecting up to services
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

5514 Seating

Seating of all types, proprietary and purpose made, for places of assembly, fixed to the building fabric

Theatre and cinema seating
 Lecture room seating with continuous writing desk
 Tablets arm seats
 Pews
 Stadium seats set on continuous steps
 Retractable tiered stadium seating

5518 Sundry fixtures

Sundry fabricated fixtures, proprietary and purpose made

Clothes lines and hoists of all types
 Key cabinets
 Letter boxes
 Coat racks and umbrella stands
 Ashtrays
 Children's play equipment

552 Hardware

5521 Hardware

For doors and windows, supply and installation of components and items of metal, plastics and other materials, such as opening, closing and locking devices, mechanical fasteners, etc., which are not supplied and off-site fixed, with the items to which they relate

Door stops, retaining devices, draughtproofing strips etc.
 Door furniture, including push plates, pull handles, kick plates, etc.
 Butts, hinges, pivots and other opening and closing devices
 Spring butts, door springs, door closers and other self-closing devices
 Panic bolts, espagnolette bolts, security bolts and other securing devices
 Locks and latches

5528 Miscellaneous hardware

Supply and installation of, sundry or special, components and items of metal, plastics and other materials, such as mechanical fasteners, supports, brackets, etc., which are not supplied and off-site fixed, with the items to which they relate

Waterbars not built in
 Proprietary safes
 Drawers and slides
 Safety anchors

553 Blinds and curtains

5531 Blinds to openings

Blinds, of fabric, plastics, wood and metal, manually or electrically operated, fitted internally and externally to openings

Vertically operated blinds, sliding and rolling
 Vertical Venetian-type blinds
 Horizontal Venetian-type blinds
 Black-out and brown-out blinds
 Brackets and fixings
 Pelmetts and valances when included in the blind installation
 Manual or power operation
 Connecting power-operated blinds to a designated point of electrical supply
 Non-fixed work (see Explanatory notes)

5532 Curtains and curtain tracks

Curtains and curtain tracks, fixed internally to walls and ceilings

Curtains to windows and openings
 Cubicle curtains
 Ceiling hung curtains
 Shower curtains
 Strip clear plastics curtains to refrigerated cabinets
 Flame-retardant coatings to curtains
 Tracks for curtains
 Ceiling tracks for movable equipment
 Brackets and fixings
 Pelmetts when included in curtain installations
 Manual or power operation
 Connecting power-operated curtains to a designated point of electrical supply
 Non-fixed work (see Explanatory notes)

554 Awnings

5541 Operable awnings

Awnings, operable manually or electrically, of solid construction or fabric covered

Metal framed fabric or plastics covered retractable awnings, fixed externally over decks, pergolas, window and door openings, manual or power operated
 Louvred awnings, manual or power operated
 Umbrella-type awnings
 Connecting power-operated awnings to a designated point of electrical supply
 Non-fixed work (see Explanatory notes)

5542 Fixed awnings, hoods and canopies

Fixed awnings, hoods and canopies, fixed externally over window and door openings

Fixed awnings, hoods and canopies, with metal, timber and plastics framing, covered with roofing materials, fabrics and opaque or translucent plastics

556 Metalwork and composite fixtures

5561 Metal and composite stairs and ladders**Metal and composite materials with metal, for internal stairs and ladders**

Fabricated metal or composite stairs, tread and riser units, including supporting strings and framing for flights and landings, either with solid steel or grille treads and landings, or prepared to receive precast concrete or timber or laminated timber treads and landings

Prefabricated metal or composite stairs, including curved and helical stairs, with tread units, strings and vertical supports

Fabricated metal or composite stairs, principally of sheet steel, with pans for horizontal surfaces, prepared to receive cementitious or other flooring material

Metal or composite ladders, fixed to the building structure, with strings extended as handrails as required Safety hoops, etc., secured to ladders

Proprietary or non-proprietary loft ladders including associated hatch doors

Handrails of all materials

Fixing all items and associated components to the building fabric including all bolts, cleats and other fixings

Preparing surfaces and applying protective coatings and decorative finishes off site

Preparing surfaces to receive protective coatings and decorative finishes on site

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

5562 Metal and composite handrails, balustrades and barriers**Internal balustrades consisting largely of a metal or composite structure, includes infill and handrails. Balustrades that are separate elements from the building fabric and when not associated with and/or included in other Work sections**

Handrails of all materials

Metal or composite stair balustrading, with rails, posts, uprights, newels, etc., of metal or composite materials with balusters, balustrading or prepared to receive balustrading infill of other materials

Metal or composite barriers and balustrading, with rails, bars, pipes, mesh screening, etc., of metal or composite material or prepared to receive infill screening of other materials

Infilling of glass, plastics, metal or composite material and other sheet or fabricated material to balustrades and barriers when supplied as part of the balustrading and barriers

Fixing all items and associated components to the building fabric including all bolts, cleats and other fixings

Preparing surfaces and applying protective coatings and decorative finishes off site

Preparing surfaces to receive protective coatings and decorative finishes on site

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

5568 Miscellaneous metal and composite fixtures**Interior fixtures constructed principally of metal, using one or more than one metal**

Composite metal items

Composite metal screens and shutters

Composite metal sheet fabricated items

Composite metal miscellaneous items

557 Timber fixtures

5571 Timber stairs and ladders**Timber stairs and ladders providing access between different internal levels of a building**

Timber stairs with strings, risers, treads, newels, landings, etc., prefabricated or constructed on site

Timber helical and curved stairs

Timber ladders with treads, rungs and strings, with the strings extended as handrails as required, fitted with safety hoops

Proprietary or non proprietary loft ladders, including associated hatch doors

Timber treads, including laminated timber treads, attached to concrete and metal stair strings and supports

Landing framing

Handrails of all materials

Fixing all items and associated components, including bolts, brackets, cleats, etc., and securing the whole assembly to the building fabric

Preparing surfaces and applying protective coatings and decorative finishes off site

Preparing surfaces to receive protective coatings and decorative finishes on site

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

- 5572 Timber floor trench and pit covers and floor and roof hatches**
Timber covers, with associated frames, to floor pits and trenches, and frames and covers to openings in floors and roofs
 Timber covers and frames to floor pits and trenches
 Timber hatches and frames to floor and roof openings, with opening gear
 Building in or securing frames to the building fabric with all necessary anchors, fixings etc.
 Preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Non-fixed work (see Explanatory notes)
- 5573 Miscellaneous decorative woodwork**
Dressed timber decorative items including fireplace surrounds, mantelpieces, brackets, finials, fretwork, etc.
 Decorative timber fireplaces and mantelpieces
 Decorative finials, brackets and fretwork strips
 Decorative columns, pilasters, pediments, etc.
 Preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)
- 5574 Timber handrails, balustrades and barriers**
Internal balustrades and barriers consisting largely of a timber structure, including infill and handrails. Balustrades that are separate elements from the building fabric and when not associated with and/or included in other Work sections
 Timber or non-timber handrails
 Timber stair balustrading, with rails, posts, uprights, newels, etc., with timber balusters, timber balustrading or prepared to receive balustrading infill of other materials
 Timber barriers and balustrading, with rails, posts, uprights, screening, etc., with timber balusters, timber balustrading or prepared to receive infill screening of other materials
 Infilling of glass, plastics, non-ferrous metal and other sheet or fabricated material to balustrades and barriers when supplied as part of the balustrading and barriers
 Fixing all items and associated components to the building fabric including all bolts, cleats, brackets and other fixings
 Preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)
-
- 558 Miscellaneous fixtures**
-
- 559 Ancillary items; repairing and altering fixtures and fittings**
-
- 5592 Adhesives**
Adhesives of all materials and types, used for fabrication of fixtures items or for securing items of work
- 5593 Mechanical fastenings**
Mechanical fastenings of all materials and types, used for fabrication of fixtures items or for securing items of work
- 5597 Cleaning, repairing and renovating existing fixtures and fittings**
Cleaning, repairing and renovating existing fixtures and fittings
- 5598 Alteration work; removing and reconstructing fixtures and fittings**
Removing and reconstructing fixtures and fittings as part of general demolition, reconstruction, alterations and additions

56 Specialist equipment and assemblies

561 to 568 Specialist equipment

- 5615 Agricultural equipment
- 5618 Astronomical equipment
- 5621 Ecclesiastical equipment
- 5625 Educational equipment
- 5628 Funerary equipment
- 5631 Health equipment
- 5635 Industrial equipment
- 5638 Kitchen and food service equipment
- 5641 Laboratory equipment
- 5645 Laundry equipment
- 5648 Library equipment
- 5651 Marine and navigation equipment
- 5655 Office and commercial equipment
- 5658 Personnel equipment
- 5661 Research equipment
- 5665 Retailing equipment
- 5668 Security equipment
- 5671 Spectacle equipment (for theatre and music)

5675 Spectacle equipment (displays and galleries)

5678 Sports and recreational equipment

5681 Studio equipment (film, radio and television)

5684 Vehicle, transportation and traffic equipment

5687 Waste and disposal equipment

5689 Cultural items

569 Specialist assemblies

5691 Specialist assemblies

Assemblies, designed to comply with specific requirements, prepared for connections to building services

Proprietary acoustically-insulated enclosures
Proprietary anechoic enclosures
Proprietary bathrooms
Proprietary cold rooms
Proprietary electromagnetically screened enclosures
Proprietary temperature controlled enclosures
Proprietary ventilated temperature controlled enclosures
Proprietary deep-freeze rooms
Proprietary spray booths
Proprietary welding booths
Proprietary fire-resistant vaults
Proprietary security vaults
Proprietary storage vaults
Proprietary flammable goods storage systems

57 Furniture and appliances

571 Loose appliances

5711 Loose appliances

Items not fixed to the building fabric but needing to be serviced by temporary connection to energy sources

Loose equipment including:
refrigerators and deep freeze units
refrigerated display cabinets
microwave ovens
hot plates, cooking equipment
dryers and drying cabinets
electric heaters, radiators
fans, air conditioners, dehumidifiers
television sets, DVDs
lamps
office equipment
vending machines
gaming machines
copy boards
heated cupboards
gas hot plates and cooking equipment
gas heater and dryers

572 Furniture and fittings

5721 Furniture and fittings

Furniture and fittings used by the building's occupants but not fixed to the building fabric

Furniture and fittings of all types and materials, including:

- tables
- chairs and seats
- beds and wardrobes
- storage shelves, cupboards and lockers
- mats, carpets and loose floor coverings
- exhibition and display equipment
- decorations

5722 Workstations

Office workstation systems consisting of coordinated and matched desk systems based around desks and screens, used by the building's occupants but not fixed to the building fabric

Workstations, including:

- desk
- screens
- shelves
- storage units, cupboards and credenzas
- filing units
- other accessories
- wire management for wired services

58 Signs and features

581 Signs and displays

5811 Signs

Signs, directories, notice boards, advertising signs, letters, plaques, symbols and emblems of all kinds for identification, information and directional purposes mainly, but not exclusively, internal

Door and floor numbering and lettering as discrete signs
Nameplates, plaques, identification symbols, etc., of all kinds and materials
Directional signs, signboards, noticeboards, etc., of all kinds and materials
Shop front lettering, emblems, symbols, etc., of all kinds and materials
Supports when supplied with the signs

5814 Signwriting

Signwriting to provide identification, information and directional signs

Signwriting on all surfaces, using all materials including gold leaf, both internal and external

582 Artwork and features

5821 Murals, graphic artworks and applied decoration

Murals and applied decoration

Murals, paintings and drawings produced off site and fixed to the building fabric
Frescoes and murals applied to the building fabric
Supergraphics
Photomurals, printed material

5822 Sculptural artworks

Three-dimensional artworks fixed to the building fabric

Free standing sculpture, fixed to the building fabric
Metal, timber and ceramic constructions fixed to the building fabric
Sculptural bas reliefs fixed to or part of the building fabric
Plastics domes, etc. (39-11)

589 Ancillary items; repairing and altering signs and features

5891 Ancillary items

5897 Cleaning, repairing and renovating existing signs and features

Cleaning, repairing and renovating existing signs and features

5898 Alteration work; removing and renovating signs and features

Removing and reconstructing signs and displays as part of general demolition, renovation, alterations and additions

6 Finish

61 Applied coatings

611 Trowelled and sprayed wall coatings

6112 Cementitious sprayed and/or trowelled plaster coatings to walls and soffits

Plaster coatings of mixes of sand and other aggregates, cement, lime, gypsum, admixtures, reinforcing and insulating fibres, applied by throwing, spraying and/or trowelling to internal and external walls and soffits, to form smooth substrates for later finishes, as protective coatings and/or decorative finishes

Preparing surfaces to receive coatings

Bonding agents

Dash coat to provide bond

Single or multi-coat work of all types, externally and internally

Solid plaster partitions

Waterproof rendering

Special aggregates and admixtures to coatings including plastics beads, waterproofing agents, colour, etc.

Moulded cornices, string courses, architraves, skirtings, cappings, etc., run in coatings

Control joints

Metal beads, nosings, stops, jointing strips, etc.

Joint and angle reinforcement of scrim, wire netting, mesh, lathing, etc.

Finishing against all penetrations

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6114 Resin-bound sprayed and/or trowelled plaster coatings to walls and soffits

Plastered coatings, with the aggregates bonded by the use of acrylic polymer or resin binders, to walls and soffits Reinforced resin-bound plastered coatings as structural strengthening Resin-bound plastered finish with decorative aggregate pressed into the surface or incorporated into the mix

Protective and decorative coatings, the aggregates bonded by the use of acrylic polymer or resin binders, sprayed and/or trowelled on to internal or external walls, ceilings and soffits

Preparing surfaces to receive coatings

Bonding agents

Special aggregates and admixtures incorporated into the coatings

Fibreglass and/or plastics reinforcing mesh

Dividing strips, weather bars

Special aggregates and admixtures pressed into the finished face

Forming features

Control joints

Metal beads, nosings, stops, etc.

Finishing against all penetrations

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6115 Barium plaster trowelled coatings to walls and soffits

Coatings of barium plaster, with or without reinforcement, applied by trowel to internal walling as a protective layer against ionising radiation

6116 Spray-applied plastics coatings to walls and soffits

Spray-applied coatings of propylene or other plastics, with smooth or textured surface, applied to walls and soffits externally and internally

Preparing surfaces to receive finish

Spray applied coating of polyurethane, polyester, epoxy, polypropylene and other plastics, applied with one or more coats, of selected colour, surface finish and thickness

Fibreglass as sheet reinforcing or incorporated into the coating

Finishing against all penetrations

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6117 Scagliola
Coloured gypsum coating, applied to vertical surfaces and, after setting, ground and polished to a gloss finish

612 Trowelled floor coatings

6121 Keying concrete slab surfaces to receive bonded applied trowelled coatings
Keying the surface of set concrete slabs prior to the application of bonded trowelled finishes

Pneumatic and hand tools applied to concrete surfaces to remove the top surface and provide a keyed surface to receive applied trowelled finishes
 Acids and other chemicals, applied alone or incorporated into an absorbent medium applied to trowelled finishes
 Sand blasting

6122 Cementitious trowelled coatings to floors
A surfacing of cement and sand, concrete, or granolithic, including any additives, laid on concrete floor surfaces which have set, either mechanically bonded or unbonded, finished to an even surface, smooth or textured, as a finished surface or as a substrate for other floor finishes

Preparing substrate
 Isolation layer for unbonded finish
 Screeds and toppings, including granolithic, concrete, etc., isolated from or mechanically bonded to the concrete surface, with or without a bonding agent
 Cement-based toppings laid into metal pans in stair treads, etc.
 Synthetic resin and inorganic admixtures
 Coves, skirtings, margins, risers, treads, nosings, etc.
 Anti-slip surfaces, including broadcast non-slip material
 Broadcast wear-resistant aggregate
 Dividing strips, weather bars, expansion and contraction joints, including fillers, sealants and dowels
 Special aggregates and admixtures pressed into the finished face
 Vacuum dewatering prior to finishing
 Floated, brushed, trowelled, power floated, ground, etc., finishes
 Liquid surface hardeners applied as part of the finish
 Curing and protection
 Working around openings and sleeves
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6123 Cement-bound terrazzo to floors
Marble and other aggregates with a cement binder, laid as an in situ topping to floors, bonded to or isolated from the substrate, including carrying up against vertical surfaces as skirtings, ground to a smooth or polished finish

Preparation of base
 Isolation layer of sand, separation sheets, etc., for floating finish
 Bonding agents for bonded terrazzo flooring
 In situ terrazzo to:
 floors and landings
 treads and risers
 channels
 skirting and kerbs
 decorative motifs
 margins and feature strips
 All associated labours
 Plastics or metal dividing strips, movement joints, weather bars, etc.
 Non-slip aggregate, either integral or surface broadcast
 Non-slip inserts
 Grinding, grouting and polishing
 Curing and protection
 Anti-static terrazzo flooring
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6124 Resin-bound terrazzo to floors

Marble and other aggregates in a synthetic resin binder, laid as an in situ bonded topping to floors, including carrying up against vertical surfaces as skirtings, and ground to a smooth or polished finish

Preparation of base

Bonding agents

In situ terrazzo to:

 floors and landings

 treads and risers

 channels

 skirting and kerbs

 decorative motifs

 margins and feature strips

All associated labours

Plastics or metal dividing strips and movement joints

Non-slip aggregate, either integral or surface broadcast

Non-slip inserts

Grinding, grouting and polishing

Protection

Anti-static terrazzo flooring

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6125 Trowelled bonded surface coatings to floors

Flooring material comprising bitumen emulsion, synthetic resins, rubber-latex, synthetic anhydride, magnesium oxychloride, etc., mixed with aggregate and with a setting agent if required, bonded to the substrate to form a finished surface or as a substrate for other finishes

Preparing substrate

Priming coat and bonding coat applied by brush, roller or spray

Main wearing coat applied by trowel, float or screed

Coves, skirtings, stair risers, treads, nosings

Grinding and polishing

Non-slip inserts

Surface coatings applied by spray, roller, brush or dry shake and trowelled into the surface

Expansion joints, dividing strips, weather bars

Working around openings and sleeves

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6126 Mastic asphalt finishes to floors

Mastic asphalt applied to floors as a surface finish

Preparing substrate, where a bond is required, by cleaning, applying primer, etc.

Isolating asphalt flooring from base where a bond is not required, by dusting, isolating membrane, sheathing felt or glass fibre tissue

Mastic asphalt floor finishes including special types such as low temperature, high temperature, oil resistant, acid resistant, static control, gritless

Surface finishing including sand rubbed, steel floated, polished, crimped

Margins, skirtings, nosings, coved angles, etc.

Expansion joints

Working around openings and sleeves

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

613 Liquid-applied floor coatings

6131 Spray-applied plastics coating to floors

Polypropylene and other plastics, spray-applied to the substrate to form a surface coating

Preparing substrate

Spray applied coating of polypropylene, polyurethane, acrylic emulsions and other plastics, applied with one or more coats, of selected colour, surface finish, patterns and thickness

Non-slip, decorative, etc., materials broadcast over the surface

Working around openings and sleeves
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6132 Self-levelling coatings to floors

Floor coatings applied to the substrate in liquid form to form a finished surface or as a substrate for other finishes

Preparing substrate to receive finish
 Cementitious, gypsum or resin-bound liquid compounds applied to substrate as a levelling coat for subsequent surface finishes, self levelling with or without hand finishing
 Cementitious, gypsum or resin-bound liquid compounds applied to substrate to form a finished surface
 Surface finished with non-slip, decorative, wear resistant, etc., materials, broadcast over the surface before the final set has occurred
 Coating to new or existing concrete floors, single or multi-coat, rapid setting, one or two pack, with binders of cement, polymer modified cement, epoxy cement, etc., with metallic or mineral aggregate, self-levelling with or without hand finishing
 Polymer coatings to new or existing concrete floors, single or multi-coat, rapid setting, with solvent free epoxy and other resins, with metallic or mineral aggregate, self-levelling with or without hand finishing
 Self-levelling gypsum coatings to encase hot water heating pipes and electrical heating cables

6135 Concrete moisture protection

Liquid applied to floor slabs or other internal concrete surfaces to protect against moisture movement in concrete

Preparing substrate
 Applying penetrating liquid moisture protection to concrete
 Work required for subsequent floor finishes
 Working around openings and sleeves
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

614 Special floor finishes

6141 Ground polished concrete

Grinding and/or polishing of concrete and sealing to provide floor finish

Honing, light and deep grinding of concrete
 Sealing and finishing

619 Ancillary items; repairing and renovating existing trowelled, liquid applied and trowelled finishes

6191 Ancillary items

6192 Substrate preparation

Preparation of the base surface to provide a suitable substrate for flooring; thin sheets of manufactured timber boarding, fibre cement, etc., secured mechanically or by adhesive; underlays of resilient surfacing to reduce transmission of sound from floor to floor surface and through the substrate; underlays to insulate the surfacing from cold substrate; underlays to increase the overall fire-resistance of the floor

Underlays of manufactured timber boarding, fibre cement sheets, secured mechanically or with adhesives
 Resilient underlays of rubber, including recycled rubber, resilient foam plastic and similar materials, fixed to the substrate

Plywood underlay, incorporating a layer of resilient plastic, fixed with adhesive to the substrate or laid loose

Underlays to insulate flooring from cold substrates

Underlays of fire-resistant boards

6193 Surface finishes to concrete

Surface finishes produced by working the surface of concrete

Modifying the surface of concrete by hammering, hacking, grinding, cutting, abrasive blasting, chemical treatment, etc., to produce a textured surface finish

Non-fixed work (see Explanatory notes)

- 6197** **Cleaning, repairing and renovating existing trowelled and sprayed finishes**
Cleaning, repairing and renovating existing trowelled and sprayed finishes
- 6198** **Alteration work; removing and reconstructing trowelled and sprayed finishes**
Demolishing and reconstructing trowelled and sprayed finishes as part of general demolition, reconstruction, alterations and additions

62 Tiling

621 Tile surfacing to walls and soffits

6211 Ceramic tile and mosaic surfacing to walls and soffits

Ceramic tiles and mosaic as a surface covering to vertical surfaces and soffits, externally and internally

Ceramic tiles and mosaics of ceramics, glass, metal, etc., of standard and special shapes, surface finishes and sizes, to:

- facades
- walls and soffits
- treads and risers
- channels, skirtings, gutters, kerbs, etc.
- swimming pools, decorative features

Soap dishes, toilet roll holders, pool accessories, etc., built in as part of the wall tiling

Patterns and features incorporated into the general tiled surfaces

All associated labours

Dividing strips, movement joint strips, etc.

Waterproof backing or coating where installed as part of the surfacing work

Bonding coating

Bedding mortars and adhesives

Mechanical fixing

Grouting, cleaning, sealing, polishing, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6212 Precast concrete, GRC and reconstructed stone thin tile surfacing to walls and soffits

Installation of precast concrete and reconstructed stone tiles as a decorative surface to walls and soffits, internally and externally

Precast concrete tiles of all types, shapes, colours and textures

Reconstructed stone tiles of all types, shapes colours and textures

Precast concrete and reconstructed stone decorative features

GRC tiles

Tiles fixed with cement mortar, adhesives or mechanical means to:

- facades
- walls and soffits
- treads and risers
- channels, skirtings, gutters, kerbs, etc.
- swimming pools, decorative features

All associated labour

Waterproof backing or coatings where installed as part of the work

Joint and divider strips, movement joints, etc.

Pointing joints

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6213 Terrazzo tile surfacing to walls and soffits

Terrazzo tiles as a decorative surface to walls and soffits, internally and externally

Terrazzo tiles, cement and resin based, of all types, shapes, colours, textures and decorative features

Decorative panels with engraved lettering, emblems, etc., set in the tile surfacing

Tiles fixed with cement mortar, adhesives or mechanical means to:

- facades
- walls and soffits
- treads and risers
- channels, skirtings, gutters, kerbs, etc.
- swimming pools, decorative features

All associated labours

Waterproof backing or coating where part of the work

Joint and divider strips, movement joints, etc.

Pointing joints

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6214 Stone tile surfacing to walls and soffits

Stone tiles as a decorative surface to walls and soffits, internally and externally

Natural stone tiles of all types and colours, worked to required shapes and textures

Tiles fixed with cement mortar, adhesives or mechanical means to:

- facades
- walls and soffits
- treads and risers
- channels, skirtings, gutters, kerbs, etc.
- swimming pools, decorative features

Waterproof backing or coating where installed as part of the work

Joint and divider strips, movement joints, etc.

Pointing joints

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6215 Fired clay and brick tile surfacing to walls and soffits

Fired clay and brick tiles as a decorative surface to walls and soffits, internally and externally

Fired clay tiles of all types, shapes, colours, textures

Brick tiles and brick wafers, of all types, shapes, colours and textures, plain or rebated

Fixing to surfaces by adhesive or mechanical means, to form patterns to:

- facades
- walls and soffits
- treads and risers
- channels, skirtings, gutters, kerbs, etc.
- swimming pools, decorative features

Pointing joints, divider strips, movement joints

Waterproof backing or coating where installed as part of the work

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6216 Rigid plastics and resin-bound aggregate tile surfacing to walls and soffits

Tiles of rigid plastics sheet and tiles of resin-bound aggregate as a decorative surface to walls and soffits, externally and internally

Tiles of rigid plastics, including resin-bound aggregate and reconstructed glass, with selected colour, texture and finish

Tiles fixed with adhesives or by mechanical means to:

- facades
- walls and soffits
- treads and risers
- channels, skirtings, gutters, kerbs, etc.
- swimming pools, decorative features

All associated labours

Waterproof backing or coating where installed as part of the work

Joint and divider mouldings, edge finish, etc.

Forming joints, including movement joints

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6217 Metal tile surfacing to walls and soffits

Metal tiles as a decorative surface to walls and soffits

Metal tiles of selected sized, shape, colour and surface texture, as a decorative finish to walls and soffits

Fixing to substrate by mechanical means or by adhesives

Waterproof backing or coating where installed as part of the work

Joint and divider mouldings, edge finish, etc.

Forming joints, including movement joints

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6218 Glass tile surfacing to walls and soffits**Glass tiles as a decorative surface to walls and soffits**

Glass tiles of selected sized, shape, colour and surface texture, as a decorative finish to walls and soffits
 Fixing to substrate by mechanical means or by adhesives
 Waterproof backing or coating where installed as part of the work
 Joint and divider mouldings, edge finish, etc.
 Forming joints, including movement joints
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

622 Tile finishes to floors and decks**6221 Ceramic tile and mosaic paving****Ceramic and mosaic tiles laid to form floor and deck finishes, externally and internally**

Preparation of substrate, including fibre cement underlay
 Waterproofing layer or coating under wet areas and decks when installed as part of the tiling
 Ceramic and mosaic tiles of all types, shapes, colours and textures, including coves, skirtings, nosings, tactile surfaces, etc.
 Bonding coating
 Acoustic and thermal underlays
 Bedding mortars and adhesives
 Laying in patterns and decorative features on bedding
 Waterproofing membranes
 All associated labours
 Dividing strips, movement joint strips, coving, etc., of metal, plastics, etc.
 Grouting, cleaning, sealing, polishing, etc.
 Non-slip strips
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6222 Precast concrete tile paving**Precast concrete and reconstructed stone paving tiles, blocks and slabs laid to form floor and deck finishes, externally and internally**

Preparation of substrate, including fibre cement underlay
 Waterproofing layer or coating under wet areas when installed as part of the paving
 Concrete and reconstructed stone paving blocks and slabs of all shapes, colours and textures, including coves, skirtings, nosings, tactile surfaces, etc.
 Bonding coating
 Acoustic and thermal underlays
 Bedding mortars and adhesives
 Laying internally in patterns on bedding
 Associated labours
 Dividing strips, movement joint strips, coving, etc., of metal, plastics, etc.
 Grouting, cleaning, sealing, polishing, etc.
 Non-slip strips
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6223 Terrazzo tile paving**Terrazzo tiles laid to form floor and deck finishes, externally and internally**

Preparation of substrate, including fibre cement underlay
 Waterproofing layer or coating under wet areas when installed as part of the paving
 Terrazzo tiles of all types, shapes, colours and textures, including coves, skirtings, nosings, tactile surfaces, etc.
 Terrazzo stair treads, bedded solid or fixed to support
 Bonding coating
 Acoustic and thermal underlays
 Bedding mortars and adhesives
 Laying in patterns on bedding
 Associated labours
 Dividing strips, movement joint strips, coving, etc.

Grouting, cleaning, sealing, polishing, etc.
 Non-slip strips
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6224 Stone tile paving

Stone tiles laid to form floor and deck finishes, externally and internally

Preparation of substrate, including fibre cement underlay
 Waterproofing layer or coating under wet areas when installed as part of the paving
 Natural stone of all types, shapes, colours and textures, including coves, skirtings, nosings, tactile surfaces, etc.
 Acoustic and thermal underlays
 Bonding coating
 Bedding mortars and adhesives
 Laying in patterns and decorative features on bedding
 Associated labours
 Dividing strips, movement joint strips, coving, etc., of metal, plastics, etc.
 Grouting, cleaning, sealing, polishing, etc.
 Non-slip strips
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6225 Fired clay and brick tile paving

Fired clay tiles, bricks and clay slab paving to form floor and deck finishes, externally and internally

Preparation of substrate, including fibre cement underlay
 Waterproofing layer or coating under wet areas when installed as part of the paving
 Bricks of all shapes, colours and textures, including coves, skirtings, nosings, tactile surfaces, etc.
 Fired clay tiles, quarry tiles and clay slabs
 Corrosion-resistant bricks and brick tiles
 Sealing joints of corrosion-resistant tiles with epoxy resin
 Acoustic and thermal underlays
 Laying internally in patterns on bedding
 Bonding coating
 Bedding mortars and adhesives
 Associated labours
 Dividing strips, movement joint strips, coving, etc., of metal, plastics, etc.
 Grouting, cleaning, sealing, polishing, etc.
 Non-slip strips
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6226 Rigid plastics, resin-bound aggregate and composition block and tile paving

Tiles and blocks of rigid plastics and of resin-bound aggregate laid to form floor and deck finishes

Preparation of substrate, including fibre cement underlay
 Waterproofing layer or coating under wet areas when installed as part of the paving
 Tiles of rigid plastics, of selected shape, colour and surface textures, including coves, skirtings, nosings, tactile surfaces, etc.
 Tiles and blocks composed of mineral or organic material, of homogenous structure
 Tiles of resin-bound natural aggregate, reconstructed glass, etc.
 Acoustic and thermal underlays
 Laying of tiles on mortar beds or with adhesives
 Dividing strips, movement joints, coving, etc.
 Grouting of joints
 Non-slip strips
 Cutting at openings and sleeves
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6227 Metal tile paving

Metal tiles set on concrete substrate to form a floor finish

Steel and cast iron tiles

Preparing base, including scabbling, cleaning and bonding agents
Setting tiles in sand-cement bedding, resin bedding or in concrete when plastic
Dividing strips, movement joints, coving, etc.
Grouting, cleaning
Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
Non-fixed work (see Explanatory notes)

629 Ancillary items; repairing and altering tiling

6293 Fixing systems

Fixing systems

Bedding
Adhesives
Mechanical fixings

6297 Cleaning, repairing and renovating existing tiling

Cleaning, repairing and renovating existing tiling

6298 Alteration work; removing and reconstructing tiling

Removing and reconstructing tiling as part of general demolition, reconstruction, alterations and additions

63 Overlay flooring and wall panelling

631 Solid wood and laminated wood flooring

6311 Wood solid block, wood parquet

Wood block and wood parquet secured to the substrate by mastics/adhesives

Preparing substrate
 Wood block flooring
 Patterning: mosaic or herringbone
 Wood parquet of solid wood, compressed bamboo, etc., Thin wood strip flooring
 Flooring bedded in mastic/adhesive
 Foam pad under floating flooring
 Acoustic and thermal underlays
 Surfaces prefinished or sanded, sealed and polished after laying
 Dividing strips, movement joints, coving, etc.
 Non-slip strips
 Finishing against all penetrations
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6312 Prefinished laminated wood flooring

Pre-finished laminated wood flooring secured to the substrate with adhesive or set as a floating floor

Preparing substrate
 Solid laminated wood flooring with T & G edges
 Flooring of laminated timber, with a prefinished laminated wood wearing surface and a laminated balancing sheet on the underside, with T & G edges all round
 Patterning
 Foam pad under floating flooring
 Acoustic and thermal underlays
 Dividing strips, movement joints, coving, etc.
 Non-slip strips
 Finishing against all penetrations
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6313 Timber resilient sport floors

Timber sports floors of strip flooring, parquet, thin timber strips, etc., on resilient mounts, fixed to framing

Acoustic pads and packers, fixed to the supporting substrate frame
 Thermal insulation and/or vapour barriers fixed at the same time as the flooring
 Proprietary or non-proprietary supporting clips, fixed to timber or concrete subfloor
 Sports floors of timber strip flooring, tongued and grooved, end matched and secret nailed to battens or framing, with or without a plywood underlay
 Sports floors of parquet or thin timber strips, stuck to plywood or acoustic panel sheets
 Vapour barrier where flooring is fixed over concrete substrate
 Sanding, sealing and otherwise preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6314 Prefinished timber floors

Prefinished manufactured timber flooring, with or without surface laminates, fixed to framing

Timber floors of manufactured timber boards, faced with prefinished thin strip flooring, thin parquet or plastics laminate, fixed to framing
 Prefinished manufactured bamboo flooring
 Acoustic pads and packers, fixed to the supporting substrate frame
 Thermal insulation and/or vapour barriers fixed at the same time as the flooring
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

632 Sheet and slab wall surfacing

6321 Sheet metal protective wall surfacing**Sheet metal as a protective surfacing to walls**

Metal surfacing of sheet steel, stainless steel, aluminium, etc., shaped to suit the vertical surface against which they are fixed

Battens, packing, grounds, etc.

Securing the metal surfacing to vertical surfaces

Grouting or filling behind the surfacing

Welded, butted or backed vertical joints, including movement joints

Preparing surfaces and applying protective coatings and decorative finishes off site

Preparing surfaces to receive protective coatings and decorative finishes on site

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6322 Sheet metal decorative surfacing**Sheet metal decorative surfacing to vertical surfaces and soffits externally and internally**

Prefinished metal surfacing of steel, stainless steel, aluminium, bronze, etc., with selected surface texture, pattern and finish, in rigid backed or sandwich sheets, with butted or shaped edges

Battens, packing, grounds, etc.

Fixing surfacing by adhesive or mechanical means

Joint and divider strips, movement joints, etc.

All associated labour

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6323 Rigid sheet plastics surfacing to walls and soffits**Rigid sheet plastics laminate decorative finishes to walls and soffits externally and internally**

Panels and sheet linings of decorative rigid plastics and plastics laminate, with or without a bonded backing, with selected colour, texture and finish for use as decorative and/ or protective linings to vertical surfaces and soffits

Battens, packing, grounds, etc.

Joint and divider mouldings, edge finish, etc.

Forming open joints, including movement joints

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6324 Stone slab surfacing to walls and soffits**Stone slabs as a surface finish to walls and soffits externally and internally**

Natural stone slabs (dimension stone) of all types and colours, worked to required shapes and textures, prepared for mechanical fixing

Fixings, anchors, etc.

Waterproof backing where installed as part of the surfacing work

Joint and divider strips, movement joints, etc.

Mechanically fixing of slabs to backing walls and soffits

Pointing joints

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6325 Resin-bound crushed stone slab surfacing to walls and soffits**Resin-bound crushed stone slabs as a decorative surface finish to walls and soffits**

Slabs of resin-bound crushed stone of selected colour and finish, reconstructed glass, etc.

Battens, packing, grounds, etc.

Jointing and edge mouldings of metal or plastic

Fixings of slabs to walls and soffits mechanically or with adhesives

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6326 Terrazzo slab surfacing to walls and soffits**Terrazzo slabs as a decorative surfacing to walls and soffits externally and internally**

Terrazzo slabs, cement and resin bound, of all types, shapes, colours, textures and decorative features, prepared for mechanical fixing

Decorative panels with engraved lettering, emblems, etc.

Fixings, anchors, etc.

All associated labours

Waterproof backing where installed as part of the surfacing work

Joint and divider strips, movement joints, etc.

Erecting in place

Pointing joints

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6327 Installation of precast concrete, GRC and reconstructed stone thin slab surfacing to walls and soffits**Installation of precast concrete, GRC and reconstructed stone slabs as a decorative finish to walls and soffits**

Installation of precast concrete, GRC and reconstructed stone facing slabs and panels

Mechanical fixing of slabs and panels to backing wall and soffits

Waterproof backing where installed as part of the surfacing work

Joints and divider strips, movement joints, etc.

Pointing joints

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6328 Glass slab surfacing to walls and soffits**Glass and mirrored glass slabs as a decorative finish to walls and soffits**

Glass and glazing plastics surfacing of all types

Mirror-finished glass or plastics surfacing

Mechanical and/or adhesive fixing of glass and mirrored glass to vertical surfaces and soffits, with square, bevelled or shaped edges to sheets, including frames

Joints and divider strips, movement joints, etc.

All associated labour

Filling joints and cleaning off

Sealants to movement joints

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

633 Panel surfacing to walls and soffits

6331 Ceramic/faience and terra-cotta facing units to walls and soffits**Ceramic/faience and terra-cotta facing units as a decorative surface to walls and soffits, externally and internally**

Facing units of ceramic/faience sheets and blocks and of terra-cotta, of selected colour, shape and surface finish

Battens, packing and grounds

Metal support systems

Mechanical fixing of units to walls and soffits

Cement grouting and pointing

All associated labours

Waterproof backing or coating where installed as part of the work

Sealants, movement joints

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6332 Prefinished sheet metal facing panels to walls and soffits

Porcelain enamel, powder coating and similar finishes to steel, stainless steel and aluminium modular facing panels, as a decorative surface to walls and soffits, externally and internally

Metal panels of sheet steel, stainless steel, aluminium, etc., shaped to suit the surface against which they are fixed, with integral or applied surface finish

Battens, packing, grounds, etc.

Securing the metal linings to surfaces

Grouting or filling behind the sheeting

Welded, butted or backed joints, including movement joints, sealants, etc.

All associated labours

Waterproof backing or coating where installed as part of the work

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

634 Timber sheet surfacing and panelling**6341 Fully supported wood sheet surfacing and panelling to walls and soffits**

Wood strip, panel and veneered panel sheet surfacing to walls and soffits, fully supported and fixed to substrate with adhesive or mechanical fixings

Substrate of plywood or manufactured timber boarding, attached to the wall and prepared to receive timber surfacing and panelling

Wood strip, panelling, veneered sheets and matching solid timber, as sheet surfacing

Securing timber with adhesives or mechanically

Sealing, polishing, finishing, etc., when required to be executed with the lining and panelling, either on site or off site

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

639 Ancillary items; repairing and renovating existing surfacings**6391 Ancillary items**

Clips, acoustic pads

6392 Adhesives, beddings

Adhesives systems, membranes, vapour barriers

6393 Trims**6397 Cleaning, repairing and renovating existing sheet, slab and panel surfacing**

Cleaning, repairing and renovating existing sheet and slab surfacing

6398 Alteration work; removing and reconstructing sheet, slab and panel surfacing

Removing and reconstructing sheet and slab surfacing as part of general demolition, reconstruction, alterations and additions

64 Resilient surfacing

641 Resilient surfacing

6411 Flexible plastics sheet and tile finishes to floors, walls and soffits

Plastics in sheet and tile form, to floors, vertical surfaces and soffits as a surfacing material

Preparing substrate
 Acoustic and thermal underlays
 Unbacked, backed, foam backed, non-slip, static-control plastics in sheet and tile form
 Laying to all surfaces, including floors, stairs, vertical surfaces and soffits, with adhesive
 Skirtings formed integrally with the flooring
 Margins and edge strips, decorative patterns, movement joints, stair nosings, non-slip strips, etc.
 Butt, glued and welded joints
 Sealing and finishing
 Non-slip strips
 Finishing against all penetrations and at edges
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6412 Linoleum sheet and tile finishes to floors, walls and soffits

Linoleum in sheet and tile form, to floors, vertical surfaces and soffits, as a surfacing material

Preparing substrate
 Acoustic and thermal underlays
 Hessian and felt-backed linoleum in sheet or tile form, including non-slip and static control linoleum
 Laying to all surfaces, including floors, stairs, vertical surfaces and soffits, laid loose or with adhesive on floors, fixed with adhesive to other surfaces
 Seam welding
 Skirtings formed integrally with the flooring
 Margins and edge strips, decorative patterns, movement joints, stair nosings, etc.
 Sealing and finishing
 Non-slip strips
 Finishing against all penetrations and at edges
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6413 Rubber sheet and tile finishes to floors, walls and soffits

Natural, synthetic and recycled rubber and rubber/cork flooring, in sheet and tile form, to floors, vertical surfaces and soffits as a surfacing material

Preparing substrate
 Acoustic and thermal underlays
 Unbacked, backed, foam backed, non-slip, static-control rubber in sheet and tile form
 Porous rubber flooring
 Interlocking pavers
 Laying to all surfaces, including floors, stairs, vertical surfaces and soffits, with adhesive
 Skirtings formed integrally with the flooring
 Margins and edge strips, decorative patterns, movement joints, stair nosings, non-slip strips etc.
 Sealing and finishing
 Non-slip strips
 Finishing against all penetrations and at edges
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6414 Cork sheet and tile finishes to floors, walls and soffits

Cork in tile and sheet form secured to floors, vertical surfaces and soffits as a surfacing material

Preparing substrate
 Acoustic and thermal underlays
 Unfinished or prefinished cork tiles and sheet cork
 Fixing to all surfaces, including floors, stairs, vertical surfaces and soffits with adhesive
 Margins and edge strips, decorative patterns, movement joints, stair nosings, non-slip strips, etc.
 Skirtings and coves

Filling and sealing open joints, including movement joints
 Sanding, sealing and finishing
 Finishing against all penetrations and at edges
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6415 Vegetable fibre sheet and tile finishes to floors, walls and soffits

Vegetable fibres, woven and manufactured into sheet and tile form secured to floors, vertical surfaces and soffits

Preparing substrate
 Acoustic and thermal underlays
 Woven, seamed and fabricated coverings of sisal, hemp, cotton and coconut fibre, in sheet and tile form
 Laying to all surfaces, laid loose or fixed with adhesive
 Skirtings formed integrally with the flooring
 Margins and edge strips, decorative patterns, movement joints, stair nosings, etc.
 Sealing and finishing
 Finishing against all penetrations and at edges
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6417 Composite resilient surfacing

Composite resilient surfacing in tile, strip and sheet form secured to floors, vertical surfaces and soffits, or loose laid on floors, as a surfacing material

Preparing substrate
 Separation, acoustic and thermal underlays
 Unfinished or prefinished composite material
 Fixing to all surfaces, including floors, stairs, vertical surfaces and soffits
 Loose laying on floors
 Margins and edge strips, decorative patterns, movement joints, stair nosings, non-slip strips, etc.
 Skirtings and coves
 Filling and sealing open joints, including movement joints
 Sanding, sealing and finishing
 Finishing against all penetrations and at edges
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6418 Miscellaneous resilient surfacing

649 Ancillary items; repairing and altering resilient surfacing

6491 Ancillary items

Adhesive systems
 Trim
 underlay systems

6497 Cleaning, repairing and renovating existing resilient surfacing

Cleaning, repairing and renovating existing resilient surfacing

6498 Alteration work; demolishing and reconstructing resilient surfacing

Demolishing and reconstructing resilient surfacing as part of general demolition, reconstruction, alterations and additions

65 Carpeting

651 Carpeting

6511 Carpet finish to floors and walls

Carpet of natural, rubber and synthetic fibres, including broadloom, woven, seamed, matted, needlepoint and felted carpets and carpet tiles, secured with adhesives, mechanically fixed or loose laid, with or without underlays

Preparing substrate

Acoustic and thermal underlays

Fibrous and non-fibrous underlays

Broadloom, seamed, woven, tufted, matted, felted and needle-punched carpets of natural and synthetic fibres

Synthetic grass carpet

Carpets laid loose, stuck or mechanically fixed to floors and landings, treads and risers, vertical surfaces, soffits, etc.

Skirtings formed integrally with the flooring

Rods, grippers and edgings

Stair nosings

Tapes, coverstrips, threshold strips, etc.

Seaming and binding

Mothproofing, anti-stain and static-control coatings

Resilient underlays of paper, felt, rubber, fibre or similar

Finishing against all penetrations and at edges

Adhesive sheet to protect surfaces after laying

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

6512 Carpet tile finish to floors and walls

Carpet tiles of wool, nylon or synthetic fibres, generally on polymer backing, secured with adhesives or loose laid.

Skirtings formed integrally with the flooring

Carpet tiles laid loose or stuck to floors and landings, treads and risers, vertical surfaces, etc.

Stair nosings

Preparing substrate

Adhesive sheet to protect surfaces after laying

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Finishing against all penetrations and at edges

Mothproofing, anti-stain and static-control coatings

Tapes, coverstrips, threshold strips, etc.

659 Ancillary items; repairing and altering carpeting

6591 Ancillary items

6597 Cleaning, repairing and renovating existing carpeting

Cleaning, repairing and renovating existing carpeting

6598 Alteration work; removing and reconstructing carpeting

Removing and reconstructing carpeting as part of general demolition, reconstruction, alterations and additions

66 Flooring ancillaries

661 Flooring ancillaries

6612 Floor mats and foot grilles

Floor mats and foot grilles, made of natural fibre, aluminium, rubber, etc., fixed into floor recesses

Floor mats of aluminium, stainless steel, plastics, etc., with strips of rubber, natural fibre, synthetic fibre incorporated, fixed into floor recesses

Floor mats of rubber, etc., fixed into floor recesses or surface laid

6613 Non-slip surfacings

Surfacings fixed to substrates to provide non-slip surfaces

Non-slip stair nosings and treads

Non-slip strips to treads and hard paving

Paint on/flow on liquids with grip incorporated or sprinkled on

Non-slip material, placed in prepared recesses

67 Painting, decoration and coating

670 Painting, decoration and coating

6700 Painting general

671 Painting exterior

6711 Painting exterior

Preparing external surfaces and applying paint coatings and clear finishes

Preparing surfaces to receive coating systems
Applying paint and coating systems by brush, roller or spray, including sealing, priming, surfacing, undercoating and finishing
Applying clear finishing

6715 Decorative coatings exterior

Preparing external surfaces and applying decorative coatings

Preparing surfaces to receive coating systems
Applying coating systems, including sealing, priming, surfacing, undercoating and finishing
Applying clear finishing

6719 Painting existing exterior surfaces

For major or specialised, removal of existing external coatings, preparation of existing external surfaces, and applying paint coatings and clear finishes

Removal and disposal of existing coatings
Preparing and repairing existing surfaces to receive coating systems
Applying paint and coating systems by brush, roller or spray, including sealing, priming, surfacing, undercoating and finishing
Applying clear finishing

672 Painting interior

6721 Painting interior

Preparing interior surfaces and applying paint coatings and clear finishes

Preparing surfaces to receive coating systems
Applying paint and coating systems by brush, roller or spray, including sealing, priming, surfacing, undercoating and finishing
Applying clear finishing

6725 Decorative coatings interior

Preparing interior surfaces and applying decorative coatings

Preparing surfaces to receive coating systems
Applying coating systems, including sealing, priming, surfacing, undercoating and finishing
Applying clear finishing

6729 Painting existing interior surfaces

For major or specialised, removal of existing interior coatings, preparation of existing interior surfaces, and applying paint coatings and clear finishes

Removal and disposal of existing coatings
Preparing and repairing existing surfaces to receive coating systems
Applying paint and coating systems by brush, roller or spray, including sealing, priming, surfacing, undercoating and finishing
Applying clear finishing

673 Specialist coatings

6731 Specialist decorative coatings of all types, applied by licensed and/or trained applicators
Preparing surfaces and applying specialist decorative coatings

Preparing surfaces to receive coating systems
 Applying coating systems, including sealing, priming, surfacing, undercoating and finishing
 Applying clear finishing

6734 Timber stains and transparent coatings
Preparing timber surfaces and applying specialist stains and/or transparent coatings, usually in a workshop

Preparing surfaces to receive coating systems
 Applying stain systems
 Applying clear finishing system, including sealing, priming, surfacing, undercoating and finishing

6735 Anti graffiti coatings
Preparing surfaces and applying specialist opaque or transparent anti graffiti coatings

Preparing surfaces to receive coating systems
 Applying coating systems, including sealing, priming, surfacing, undercoating and finishing
 Providing maintenance system

674 Protective coatings

6741 Waterproof coatings
Liquid applied as, a thin film or penetrating coating, providing a waterproof or damp-proof barrier, etc., when not applied as a part of a waterproof membrane, DPM or DPC

Preparing surface
 Applying coating systems by brush, roller or spray, including sealing, priming, surfacing, undercoating and finishing, etc.

6742 Fire-rated coatings to metal
Insulative and intumescent coatings of binders and mineral and organic fillers, applied to the metal substrate as a fire-rated coating

Preparation of substrate
 Preparatory treatments, bonding agents, etc.
 Brush, spray or trowel applied intumescent and insulative coatings with textured, trowelled or pressed finishes
 Control joints
 Beads, stops and accessories
 Finishing against all penetrations
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Preparation for subsequent finishing coats
 Non-fixed work (see Explanatory notes)

6743 Fire-rated coatings to timber
Insulative and intumescent coatings of binders and mineral and organic fillers, applied to the timber substrate as a fire-rated coating

Preparation of substrate
 Preparatory treatments, bonding agents, etc.
 Brush, spray or trowel applied intumescent and insulative coatings with textured, trowelled or pressed finishes
 Control joints
 Beads, stops and accessories
 Finishing against all penetrations
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Preparation for subsequent finishing coats
 Non-fixed work (see Explanatory notes)

- 6744 Protective coatings**
Specialist protective coatings of all types of substrate, applied by licensed and/or trained applicators
 Preparation of substrate
 Preparatory treatments, bonding agents, etc.
 Applying coating systems by brush, roller or spray, including sealing, priming, surfacing, undercoating and finishing
 Preparation for subsequent finishing coats
 Non-fixed work (see Explanatory notes)
- 6745 Protective coatings to steel and other metals**
Specialist protective coatings for steel and other metals, applied by licensed and/or trained applicators
 Preparation of substrate
 Preparatory treatments, bonding agents, etc.
 Applying coating systems by brush, roller or standard spray systems, including sealing, priming, surfacing, undercoating and finishing
 Preparation for subsequent finishing coats
 Non-fixed work (see Explanatory notes)
- 6746 Powdercoating**
Electrostatically applied coatings of all types, applied by licensed and/or trained applicators
 Preparation of substrate
 Preparatory treatments
 Applying coating systems
- 6747 Protective coatings to floors**
Liquid treatment applied to floor surfaces to provide special characteristics such as slip resistance, conductivity for static control, etc., when not applied as a part of the floor finish
 Preparing floor surface
 Liquids applied to floor finishes to provide a non-slip surface, to increase conductivity, density, resistance to liquids, etc.
 Liquid surface hardeners and anti-dusting liquids to cementitious floors
- 6748 Miscellaneous protective coatings**
Specialist protective coatings of special character, applied by licensed and/or trained applicators
 Preparation of substrate
 Preparatory treatments.
 Applying coating systems, including sealing, priming, surfacing, undercoating and finishing
 Preparation for subsequent finishing coats
-
- 675 Wallcoverings**
-
- 6751 Wallpaper finishes**
Sheet materials of paper, and/or plastics, applied to internal surfaces as pre-treatment or decoration
 Preparing surfaces, including fungicidal treatment, sizing, sealing and priming
 Hanging or applying:
 lining papers
 paperbacked
 metal foil linings
 expanded polystyrene linings
 decorative wallpapers, anaglypta, etc, including plastics-faced wallpapers
 paperbacked sheet plastics
 borders and decorative motifs
 Finishing against all penetrations and at edges
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6752 Fabric finishes**Sheet and non- sheet fabric applied to internal substrates, with or without an applied finish**

Preparing substrate, including fungicidal treatment
 Sizing and sealing
 Hanging or applying:
 application of backed or unbacked fabrics
 decorative sheets, including plastics-faced fabric
 backed hessian, linen, cotton, wool,
 silk, glass fibre and synthetic fibre fabrics
 backed grasses
 borders and decorative motifs
 Clear finish
 Decorative coatings
 Finishing against edges and penetrations
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

6753 Flexible thin sheet finishes**Flexible thin sheets applied to substrates, for decorative or protective purposes**

Preparing substrate, including fungicidal treatment
 Sizing and sealing
 Fabric-backed thin wood veneers
 Fabric-backed thin cork sheet
 Fabric-backed flexible metal foil
 Fabric-backed flexible sheet plastics
 Flexible sheet plastics
 Finishing against edges and penetrations
 Non-fixed work (see Explanatory notes)

6758 Wallcoverings miscellaneous

678 Miscellaneous painting, decoration and coating

6781 Hot dip galvanizing**Hot dip zinc galvanizing of steel and steel items, excludes pre-galvanized products**

Preparing the steel, including holes in hollow sections and enclosed elements, for air expansion and internal galvanizing
 Additional temporary steel for lifting and stabilizing the item during galvanizing
 Preparing surfaces
 Galvanizing by dipping the item
 Post dipping processes, including removing spikes and cleaning

6782 Metal sprayed corrosion protection**Specialist metal sprayed coatings, also known as metallizing or thermal spraying, for steel, applied by licensed and/or trained applicators**

Preparation of substrate
 Applying coating, spraying anodic metal, zinc and/or aluminium, in a molten or semi-molten form, preferably in a work shop
 Preparation for subsequent finishing coats
 Non-fixed work (see Explanatory notes)

679 Ancillary items; repairing and altering painting, decoration and coatings

6791 Ancillary items**6797 Cleaning, repairing and renovating existing painting, decoration and coating**

Cleaning, repairing and renovating existing painting, decoration and coating

6798 Alteration work; removing and reconstructing painting, decoration and coating

Alteration work; removing and reconstructing painting, decoration and coating

68 Finishes sundries

681 Waterproofing and acoustic underlays

6811 Waterproofing and acoustic underlay systems

Waterproofing liquid or membrane treatment combined with an acoustic material as a system, applied to floor or wall surfaces to provide a waterproof and noise reducing barrier, etc., under internal wall and floor finishes, and some external deck finishes such as tiles. When not applied as part of an exposed external waterproofing membrane system or part of the floor finishing system

Preparing surfaces to receive system

Applying acoustic material and waterproofing, including reinforcing materials and accessories

Finishing against all other surfaces, penetrations and fixtures

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Preparation for subsequent items and finishing work

6812 Waterproofing underlays

Waterproofing liquid or membrane treatment system, applied to floor or wall surfaces to provide a waterproof barrier, etc., under internal wall and floor finishes, and some external deck finishes such as tiles. When not applied as part of an exposed external waterproofing membrane system or part of the floor finishing system

Preparing surfaces to receive system

Applying waterproofing, including reinforcing materials and accessories

Finishing against all other surfaces, penetrations and fixtures

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Preparation for subsequent items and finishing work

6813 Acoustic underlays

Acoustic material, including sheets, tiles and pads, applied to floor or wall surfaces to provide a noise reducing barrier, under internal finishes such as tiles or timber. When not applied as part of the floor finishing system

Preparing surfaces to receive system

Applying acoustic material, including reinforcing materials and accessories

Finishing against all other surfaces, penetrations and fixtures

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Preparation for subsequent items and finishing work

7 Services

71 Liquid supply

711 Bulk water systems

7111 Bulk water systems fed from natural sources

Bulk water supply systems from subterranean sources, ponds, lakes and rivers, to provide water to systems reticulating water

Excavation and lining of bores, wells, etc., with caps and covers
 Pipelines, including ancillaries, pumps, etc., which reticulate the water from source to the inlet of the piped supply system or to storage tanks, including excavation and backfilling
 Pressurization and air pressure vessels
 Water meters
 Monitoring and control equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7112 Bulk water storage tanks

Storage tanks for water supply

Bulk storage metal tanks for water, of cast steel panel construction, pressed steel panel construction and fabricated tanks of steel, galvanized steel, stainless steel, copper, etc., with covers, access openings, etc.
 Bulk storage tanks for water, constructed of precast or in situ reinforced concrete, timber staves, plastics, etc., with covers, access openings, etc.
 Discharge pipes, with control valves
 Drain line extended for connection to waste lines
 Overflow tray, extended for connection to waste line
 Fixing to the building fabric
 Metering, monitoring, control and alarm equipment, including BMS interface
 Off site preparation and corrosion protection and on site finishing
 Non-fixed work (see Explanatory notes)

7113 Protective treatment to water storage tanks

Protective treatment to water storage tanks to retain water and to protect against deterioration and contamination

Aqueous emulsions, solvent-based liquids and resin coatings applied to the interior or exterior faces of storage tanks
 Sheet waterproof membranes, applied to the inside faces of storage tanks

7114 Chemical treatment - potable water

A plant to treat a water source to render it potable or to improve the quality of potable water

Chemical treatment equipment, with the storage and injection of chemicals, filtration, etc., to render the supply source potable or to improve the quality of potable water, complete with pumps and other ancillaries
 Storage tanks, including overflows, trays, drains and outlets
 Water meters
 Thermal insulation
 Monitoring and control equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

712 Water reticulation systems

7121 Cold potable water reticulation systems

A piped system connected to the supply source to distribute cold potable water to user points

Pipelines, including ancillaries, pumps, etc., which are connected to and reticulate the water from the supply source to all user points
 Storage tanks, other than bulk storage tanks, including overflows, trays, drains, etc.
 Hydro-pneumatic pressurization expansion vessels
 Filters
 Water meters
 All valves, except supplied tapware
 Fixing supplied tapware
 Thermal insulation
 Monitoring and control equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7122 Hot potable water reticulation systems

A piped supply system connected to the cold water supply source to distribute hot potable water to user points

Pipelines, including ancillaries, pumps, etc., which are connected to and which convey the water from the supply source to the heating units and then to all user points
 Storage tanks, other than bulk storage tanks, including overflows, trays, drains, etc.
 Expansion provisions
 Water meters
 Water heating units including electric and gas-heated low pressure and mains pressure cylinders, in-line electric water heaters, calorifiers, heat exchangers, heat pumps, solar-electric systems etc., where an integral part of the service
 Thermal insulation
 All valves, except supplied tapware
 Fixing supplied tapware
 Pipeline fixtures, such as heated towel rails
 Monitoring and control equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7123 Hot and cold water system

Piped system to supply hot and cold water from the cold water source to user points

Cold water pipelines of metal or plastics, connected to the supply main, storage tank or other supply source and carried to each user point and to hot water cylinder
 Cold water supply tank, including overflow tray, drain, etc., as required

Hot water pipelines of metal or plastics, distributing water from the hot water cylinder or other hot water source, including thermal insulation
 Water heating units including electric and gas-heated low pressure and mains pressure cylinders, in-line electric water heaters, calorifiers, heat exchangers, heat pumps, solar-electric systems, etc., where an integral part of the hot water system
 Pipeline fixtures in hot water reticulation such as water-heated towel rails
 Expansion provisions
 All valves, meters, taps, backflow preventers, filters, except supplied tapware
 Fixing supplied tapware
 Fixing pipelines and eliminating water hammer
 Electrical installation needed for the operation of the system, from a designated point of supply
 Excavation for pipelines and backfilling, valve boxes and covers, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7124 Chilled potable water reticulation systems

A piped supply system, connected to a cold potable water source, the water being chilled, using refrigeration plant, and distributed to user points

7125 Solar hot water systems

Solar collectors to heat water

Solar collector panels with a close coupled hot water cylinder using thermosiphonic principles
 Solar collector panels with a remote hot water cylinder and a circulation pump and associated valves for applications where the hot water cylinder is positioned below the level of the collector panels.

7126 Water heaters

Water heating units, storage or non-storage types powered by electricity, gas, heat pump or solar, or combinations of them, where they are a integral part of the Hot and Cold Water System.

713 Pressurized potable water systems

7131 Pressurized potable cold water reticulation systems

Piped supply systems distributing cold water at a specified pressure from a supply source to user points

Pipelines, including ancillaries, etc., which are connected to and reticulate the water from the supply source to user points
 Pressurization expansion units and associated storage tanks, with overflows, trays, drains, etc.
 Pumps and pressure booster sets
 Water meters
 All valves, except supplied tapware
 Fixing supplied tapware
 Thermal insulation
 Monitoring and control equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply, from a designated point of supply
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7132 Pressurized potable hot water reticulation systems

Piped supply systems distributing hot water at a specified pressure from a supply source to user points

Pipelines, including ancillaries, etc., which are connected to and reticulate the water from the supply source to user points
 Pressurization expansion units and associated storage tanks, with overflows, trays, drains, etc.
 Pumps and pressure booster sets
 Water meters
 Water heating units, including cylinders, calorifiers, heat exchangers, heaters, etc.
 All valves, except supplied tapware

Fixing supplied tapware
 Thermal insulation
 Monitoring and control equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply, from a designated point of supply
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

714 Non-potable water systems

7142 Flushing and grey water reticulation systems

A piped water system distributing cold water, either potable or non-potable, from the supply source to flushing outlets

Pipelines, including ancillaries, etc., which are connected to and reticulate the water from the supply source to outlets on or associated with flushing devices
 Pumps to supply storage and header tanks
 Storage tanks, including overflows, trays, drains, etc.
 Break pressure tanks, including overflows, trays, drains, etc.
 Water meters
 All valves, including flush valves
 Thermal insulation
 Monitoring and control equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7143 Non-potable water supply systems

Piped systems to reticulate non-potable water, including sea water, from the supply source to points of use or as bulk supply source to flushing water systems

715 Sanitaryware, tapware and accessories

7151 Sanitaryware

Sanitary fixtures of ceramic, metal, glass, pre-finished timber and plastics, to receive wastes and effluents, including fixing in position with all necessary brackets and supports and sealants to adjacent surfaces, for connection to water and electrical supply and plumbing lines

Soil fixtures, including:
 water closets and seats
 eastern closets
 urinals
 bidets
 bedpan sinks and slop hoppers
 flushing sinks
 flushing floor wastes
 Flushing cisterns and devices with sparge pipes, serving soil fixtures
 Proximity devices for urinals, electrically operated
 Waste fixtures which require a water supply, including:
 sinks, with or without integral benchtops
 wash and scrub-up basins
 laundry tubs
 baths and bath risers, spa baths
 shower trays, bases and shubs
 safety spray basins
 drinking fountains
 wash fountains

corrosion-resistant fixtures
 Waste fixtures with water supply and electrically operated, including:
 dishwashers
 glasswashers
 clothes-washers
 bedpan washers
 waste disposal grinders
 sanitary towel and nappy macerators
 Supports and fixings
 Sensors and controls
 Preparing for connecting to supply and to plumbing and drainage lines
 Electrical installations including equipment needed for the operation of the systems from a designated point of supply
 Non-fixed work (see Explanatory notes)

7152 Tapware for potable water supply

Tapware for potable water supplies

Tapware of all types and all materials, for connection to the potable water supply system including:
 taps
 shower heads, including emergency showers, eye sprays
 mixing valves
 steam/water mixers
 thermostatic valves
 spouts
 aspirators
 Including supply only, Install only, or supply and install items

7153 Bathroom and toilet accessories

Proprietary, stock and purpose made fixtures installed in bathrooms and which do not require water supply or waste services but are obtained from similar supply sources to sanitary fixtures

Towel rails and rings, grab rails, arm rails
 Soap holders, soap dispensers, toilet paper holders, paper towel dispensers, shelves, waste containers, toothbrush and tumbler holders
 Shower seats, shower foot rests
 Toiletry dispensers, seat cover dispensers
 Robe hooks, tissue dispensers, bottle openers
 Electrically operated equipment, connected to a designated point of supply, including:
 heated towel rails
 heated air hand dryers
 heated hair dryers
 Fixing by carpenters to solid backing
 Sealants

7154 Fixtures for dispensing potable water

Fixtures connected to potable water supply systems to dispense water

Fixtures connected to potable water supply systems to dispense water but which do not require connection to sanitary plumbing or drainage lines including:
 water filter units
 water coolers
 boiling water dispensers
 boiling and chilled water dispensers
 chilled water dispensers
 steam generators for steam baths
 ice makers and chilled water dispensers
 Electrical installation from a designated point of supply

716 Treated water systems

7161 De-ionized water reticulation systems

A system to de ionize water and to reticulate cold de-ionized water to user points

De-ionizing equipment, with backflushing and chemical dosing facilities
 Pipelines, including ancillaries, pumps, etc., which reticulate cold water from the supply source to the de-ionizing plant and then to user points
 Storage tanks, including overflows, trays, drains, etc.

Water meters
 All valves and faucets
 Thermal insulation
 Monitoring and control equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7162 De-mineralized water reticulation systems

A system to demineralise water and to reticulate cold de-mineralized water to user points

De-mineralization equipment
 Pipelines, including ancillaries, pumps, etc., which reticulate cold water from the supply source to the demineralising plant and then to user points
 Storage tanks, including overflows, trays, drains, etc.
 Water meters
 All valves and faucets
 Thermal insulation
 Monitoring and control equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7163 Distilled water reticulation systems

A piped supply system to reticulate cold distilled water to user points

Distillation equipment including integral heating unit and condensing system
 Pipelines, including ancillaries, pumps, etc., which reticulate cold water from the supply source to the distillation plant and then to user points
 Storage tanks, including overflows, trays, drains, etc.
 Condensing water recirculation and cooling system and heat exchangers
 Water meters
 All valves and faucets
 Thermal insulation
 Monitoring and control equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

-
- 7164 Sterile water reticulation systems**
Water or distilled water treated by radiation or by heat and pressure to produce sterile water, cooled to ambient temperature, held in storage tanks and reticulated to outlets Dispensing equipment
- 7165 Bactericidal-treated water supply systems**
Bactericidal treatment of water using ultraviolet and other radiations dispensing equipment
- 7166 Boiler feed water systems**
A system for the supply of feed water to steam boilers and steam generators, when not provided as part of the boiler installation Dispensing equipment
-
- 717 Piped supply systems for specific liquids**
-
- 7171 Piped supply systems for beverages**
Pressurized piped systems to reticulate alcoholic and non-alcoholic beverages from storage containers to user points dispensing equipment
- 7172 Piped supply systems for liquid detergents**
Piped system to reticulate liquid soap, liquid detergents and associated cleaning liquids and reagents from storage containers to user points dispensing equipment
- 7173 Piped supply systems for washing building surfaces**
Piped supply systems for washing building surfaces, including discharge equipment
- 7174 Piped supply systems for non-flammable industrial liquids**
Piped supply systems for non-flammable industrial liquids dispensing equipment
- 7175 Piped reticulation systems for flammable liquids**
Piped reticulation systems to store and reticulate flammable liquids, including diesel oil, kerosene, fuel oil and petrol to user points
- Piped systems to reticulate flammable liquids including diesel oil, kerosene, fuel oil and petrol, from and including the storage tanks and vessels, to user points, including all piping, safety devices, filters, pumps, valves and terminal outlets, metering devices and connection to user points
- Dispensing equipment
All monitoring, control and alarm equipment, including BMS interface
Fixing to the building fabric
Identification of pipelines, plant, etc.
Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
Off-site and on-site preparation, anti-corrosion treatment and finishing
Non-fixed work (see Explanatory notes)
-
- 719 Ancillary items; repairing and altering liquid supply installations**
-
- 7197 Cleaning, repairing and renovating existing liquid supply installations**
Cleaning, repairing and renovating existing liquid supply systems
- 7198 Alteration work; demolishing and reconstructing liquid supply installations**
Demolishing and reconstructing liquid supply installations as part of general demolition, reconstruction, alterations and additions

72 Gas

721 Gas systems

7211 Piped systems for gas

Piped supply systems for natural gas or LPG, from a piped network supply to all user points

Piped systems to reticulate natural gas or LPG, at designated pressure, from and including an authority's or gas suppliers reticulation system to points of use, including all piping, valves, valve boxes and terminal outlets, pipeline metering and safety devices and bringing to/or connecting to user points

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7212 Gas supply cylinder systems

Gas supply cylinder systems for LPG

Location of bottle storage and access for replacement

Reticulation from storage cylinders to points of use including all piping, valves and safety devices

Connecting to points of use

All monitoring control and alarm equipment

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation

Non-fixed work (see Explanatory notes)

722 Gas appliances

7221 Gas appliances

Gas-operated appliances, built-in or free standing, attached to a gas supply

Gas cooking equipment, including ranges, broilers, fryers, salamanders

Flues discharging outside the building or into masonry or other flues

723 Piped medical gas, air and vacuum systems

7231 Piped medical gas systems

Piped systems to distribute medical quality oxygen, nitrous oxide, nitrogen, carbon dioxide and gas mixtures to all user points

Piped systems reticulating medical quality oxygen at designated pressure from and including the supply source (vacuum insulated evaporator, cylinder manifold, oxygen generator and/or individual cylinders) to points of use, including all piping, valves, valve boxes, fixed outlets at terminals, metering devices and connections to user points, including medical gas booms but excluding gas supply cylinders

Piped systems reticulating medical quality nitrous oxide, nitrogen, carbon dioxide and gas mixtures at designated pressure from and including the supply source (cylinder manifold and individual cylinders) to points of use, including all piping, valves, fixed outlets at terminals, metering devices and connection to user points, but excluding the gas supply cylinders

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7232 Piped medical compressed air systems

Piped systems to distribute medical quality compressed air at designated pressures to all user points

Piped systems reticulating medical quality compressed air, at designated pressures, from and including compressors and/or air storage vessels connected to points of use, including all piping, inter-coolers and after-coolers, air/oil separators, air dryers, filters, condensate traps, etc., and all meters, valves, valve boxes and fixed outlets at terminals
 All monitoring, control and alarm equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7233 Piped medical vacuum systems

Piped systems to make available suction at user points

Reticulation systems making suction available at and connected to user points by the use of air under negative pressure, produced by and including vacuum pumps, receivers and provided with drainage traps, bacterial line filters, etc., with all pipelines, valves, valve boxes and fixed outlets at terminals, the extracted air being discharged outside the building
 All monitoring, control and alarm equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)
 Temporary work to maintain services

7234 Medical vacuum aspiration systems

Piped systems to make available suction at user points by aspiration

Reticulation systems making suction available at user points by the use of aspirators connected to a compressed air supply produced by air compressors and air storage vessels, piped to points of use, including all pipelines, inter-coolers and after-coolers, air/oil separators, or dryers, filters, condensate traps, etc., and all meters, valves and outlets, the aspirated air being discharged outside the building
 All monitoring, control and alarm equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

724 Piped laboratory, industrial and commercial gas systems

- 7241 Piped systems for flammable gases and gas mixtures for laboratory, industrial and commercial use**
Piped systems for the distribution to user points of flammable gases, including liquefied petroleum gas, propane, acetylene, hydrogen and gas mixtures for laboratory, industrial and commercial use
- Piped systems to reticulate flammable gases, at designated pressures, from and including the supply source to points of use
 All vaporisers piping, valves, valve boxes and terminal outlets, pipeline metering and safety devices and connecting to user points but excluding gas supply cylinders or bulk storage tanks
 All monitoring, control and alarm equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)
- 7242 Piped systems for oxidizing gases for laboratory, industrial and commercial use**
Piped supply systems to distribute oxygen and other oxidizing gases to all user points from the supply source (vacuum insulated evaporator, cylinder manifold, oxygen generator or individual cylinders)
- All piping, valves, valve boxes and terminal outlets, pipeline metering devices and connection to user points but excluding gas supply cylinders
 All monitoring, control and alarm equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)
- 7243 Piped systems for non-flammable gases and gas mixtures for laboratory, industrial and commercial use**
Piped supply systems to distribute nitrogen, carbon dioxide, argon and other non-flammable gases and gas mixtures from the supply source to all user points
- All piping, valves, valve boxes and terminal outlets, metering devices and bringing to or connecting to user points but excluding gas supply cylinders
 All monitoring, control and alarm equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)
- 7244 Piped bactericidal, insecticidal, fungicidal, deodorizing and aromatic gas systems**
Piped systems to distribute bactericidal, insecticidal, fungicidal, deodorizing, aromatic and similar gases from the supply source to all user points
- All piping, valves, valve boxes and terminal outlets, metering devices and bringing to or connecting to user points but excluding gas supply cylinders

All monitoring, control and alarm equipment
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7245 Piped compressed air systems for laboratory, industrial and commercial use
Systems to distribute compressed air for laboratory, commercial and industrial use to all user points

Systems to reticulate compressed air, at designated pressures, from compressors and air storage vessels to points of use, including all piping, inter-coolers and after-coolers, air/oil separators, air dryers, filters, condensation traps, etc., and all meters, valves, valve boxes and terminal outlets
 All monitoring, control and alarm equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7246 Piped vacuum systems for laboratory, industrial and commercial use
Piped systems to make suction available at all user points

Piped systems to make suction available to and connected to user points, by the use of air under negative pressure, produced by and including receivers, vacuum pumps, drainage traps, filters, etc.
 All monitoring, control and alarm equipment, including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

725 Gas disinfection

7251 Gas disinfection systems
Piped systems to distribute disinfecting gases to points of use

Piped system including piping, valves, meters and terminal outlets to distribute disinfecting gases to points of use
 Manual or automatic dispersion to disinfect ventilation ductwork
 Manual or automatic dispersion to disinfect rooms
 All monitoring, control and alarm equipment
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

729 Ancillary items; repairing and altering gas supply installations

7297 Cleaning, repairing and altering existing gas supply installations
Cleaning, repairing and altering existing gas supply systems

7298 Alteration work; demolishing and reconstructing gas supply installations
Demolishing and reconstructing gas supply systems as part of general demolition, reconstruction, alterations and additions

73 Fire

731 Fire suppression using water

7311 Fire hose water supply systems

Piped systems to reticulate water within a building to serve fire hose reels

A reticulated system, including pipelines, pressure control valves, back flow preventers and other ancillaries, etc., from the water supply source to and including fire hose reels, with pumps and pressure booster sets as necessary, and signs and emblazons

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7312 Automatic fire sprinkler systems

Pipework reticulation systems, serving a network of heat-sensitive sprinkler heads

A reticulation system, including pipelines, back flow preventers and other ancillaries, etc., connecting into and extending from one or more water supply sources to the sprinkler heads, including water tanks, pumps, alarms, valves, Fire Service inlet, control valve, etc., Signs and emblazons

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7313 Fire sprinkler systems - low hazard

Sprinkler systems for low hazard, residential type, non-commercial/industrial applications. Listed pipework reticulation systems, serving a network of heat-sensitive sprinkler heads that maybe linked to an alarm system.

Fixing to the building fabric

All monitoring, control and alarm equipment, including BMS interface

A reticulation system, including pipelines, back flow preventers and other ancillaries, etc., connecting into and extending from a water supply sources to the sprinkler heads, including water tanks, pumps, alarms, valves, Fire Service inlet, control valve

Identification of pipelines, plant, etc.

Off-site and on-site preparation, anti-corrosion treatment and finishing

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

7316 Deluge fire suppression systems**Pipework reticulation systems, charged with water to give a high intensity deluge of water in specific locations**

A reticulation system, including pipelines, back flow preventers and other ancillaries, etc., from the water supply system and storage vessels to the deluge discharge nozzles, including control systems, etc., and signs and emblazons

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7317 Fire hydrant systems**Pipework reticulation systems connected to the water supply, with inlets for New Zealand Fire Service boosters and outlets for hose connections**

A reticulation system, including pipelines, back flow preventers and other ancillaries, etc., connecting into and extending from the water supply source to and including Fire Service connections in each required location The system to include pumping systems, acoustic treatment, ventilation of pump rooms, Fire Service inlet and inlet box, landing valves, outlet boxes, pressure vessel unit diaphragm, and flow and pressure reducing devices and signs and emblazons

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Diesel generator electrical supply to pumps

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

732 Fire suppression using gas

7321 Fire suppression systems using gas**Pipework reticulation systems of non-flammable gases**

A pipework reticulation system including pipelines, ancillaries, etc., from and including the gas storage facilities to the discharge nozzles, complete with door closing activation, detectors and activators, alarm control system and warning signs and devices, signs and emblazons

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

733 Fire suppression using foam

7331 Fire suppression systems using foam**Pipework reticulation systems to carry foam from a generating source and discharge it at outlet nozzles**

A reticulation system, including pipelines, back flow preventers and other ancillaries, etc., from a water supply, foam storage and expansion equipment, to the discharge nozzles, including detectors, activators and alarms signs and emblazons

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

735 Fire detection

7351 Manual fire alarms

A system consisting of manually operated alarm points which raises an alarm locally or to a designated remote station when any point is activated and records relevant information

7352 Automatic fire and smoke detection systems

Systems using sensors to detect an accelerated rise of space temperatures and/or combustion products as an indication of combustion, and automatically activating an alarm system and including manual call points

738 Fire miscellaneous

7381 Unserved loose appliances

Appliances which do not require to be provided with building service

Fire extinguishers

7382 Fire stopping systems

Fire stopping of penetrations and gaps in fire rated elements of a building.

Fire stopping and protection to;

Perimeter gaps to fire rated building elements.

Penetrations for piped, wired and ducted services through fire rated elements.

739 Ancillary items; repairing and altering fire suppression systems

7391 Ancillary items**7397 Cleaning, repairing and renovating existing fire suppression systems**

Cleaning, repairing and renovating existing fire suppression systems

7398 Alteration work; demolishing and reconstructing fire suppression systems

Demolishing and reconstructing fire suppression systems, as part of general demolition, reconstruction, alterations and additions

74 Liquid disposal

740 Liquid disposal general

7401 Liquid disposal general

General liquid disposal matters common to detailed liquid disposal items

7402 Multi use pipe systems for liquid disposal

Multi use pipe systems suitable for either common or separate systems for surface water, waste water or foul water, for use above and below ground.

741 Surface water above ground

7411 Rainwater spouting systems

Spouting and downpipes attached externally to the building fabric to receive water from roofs, balconies, canopies, etc., convey it to integral sumps and outlets and thence to drains

Spouting, collecting rainwater from roofs, decks, etc., with integral sumps and outlets, of metal and plastics
Eaves, fully supported box and other gutters, spouting and downpipes of metal, plastic and other materials, made or fabricated to the required shape

Combined eaves gutter, fascia and eaves soffit units

Fixing clips and brackets for spouting

Rainwater heads and gratings of metal, plastics and other materials

Downpipes and other conduits of metal and plastics, connected to gutter outlets, rainwater heads and other outlets from surfaces collecting rainwater, and discharging the water to drainlines, gullies, pits, etc., or to receiving tanks for storage or pumping systems

Sumps forming part of the gutters

Outlets in the gutters and sumps to which downpipes and other conduits are connected

Leaf guards, gratings, strainers, etc., to spouting

Cleaning eyes, access openings, etc., to downpipes

Expansion provisions to outlets

Guards placed in or attached to gutters to exclude unwanted items

Securing downpipes to the building fabric

Supports and fixings securing gutters to the building fabric

Thermal and acoustic insulation

Flashings and sealants

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Preparing surfaces and applying protective coatings and decorative finishes off site

Preparing surfaces to receive protective coatings and decorative finishes on site

Non-fixed work (see Explanatory notes)

7412 Rainwater systems

Special design piped internal or external disposal system, including full bore siphon systems, for taking rainwater from outlets in roofs, balconies, gutters, canopies, etc., on a building to the point where it connects to a stormwater drain or discharges into or over a gully, soakpit, etc.

Rainwater heads and gratings of metal, plastics and other materials

Downpipes and other conduits of metal and plastics, connected to gutter outlets, rainwater heads and other outlets from surfaces collecting rainwater, and discharging the water to drainlines, gullies, pits, etc., or to receiving tanks for storage or pumping systems

Full flow siphon system

Thermal and acoustic insulation

Flashings and sealants

Fixing to the building fabric

Pipeline identification

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Preparing surfaces and applying protective coatings and decorative finishes off site

Preparing surfaces to receive protective coatings and decorative finishes on site

Non-fixed work (see Explanatory notes)

742 Foul water above ground

7421 Sanitary systems

A piped waste and soil plumbing system, including small bore plumbing, of glass, metals and plastics pipelines, including internal floor wastelines and overflow lines which are not connected directly to the plumbing system, from and connected to waste, soil and other fixtures and floor wastes, to the point where it connects to the below ground system either to a foul water drainline or discharges over or into a gully, manhole, etc.

Discharge stacks and pipelines connected to fixtures, floor wastes, building services wastes, etc., and carried to drainlines

Ventilating stacks and pipes, including terminals

Floor wastes, traps

Grease, plaster and neutralizing traps

Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Thermal and acoustic insulation

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Preparing surfaces and applying protective coatings and decorative finishes off site

Preparing surfaces to receive protective coatings and decorative finishes on site

Non-fixed work (see Explanatory notes)

743 Below ground drainage

7431 Drainage general

General drainage matters common to detailed below ground drainage items

744 Groundwater

7441 Groundwater drainage

Drainage lines of stoneware and plastics, including drainage for landscaping, collecting groundwater and conveying it to a point of discharge into a drainline or into a pit and/or absorption trenches

Groundwater drainage pipes of clay or plastics, laid to point of disposal

No-fines aggregate surrounding the drainage pipes on all sides

Plastics sheeting or other covering placed on top of the aggregate to prevent entry of earth or backfilling above the aggregate

Excavation for soakaway pits and/or absorption trenches

Backfilling the excavation to the required level

Non-fixed work (see Explanatory notes)

745 Surface water below ground

7451 Surface water drainage

All buried drainlines of stoneware, plastics and metal, including drainage for landscaping, connected to and carrying stormwater discharges from above-ground rainwater pipes, surface treatment systems and surface channels and paving to the statutory authority sewer, other outfall or to holding tanks or ponds and connecting thereto

Drainlines of stoneware, plastics and metal, carrying stormwater discharges

Gullies and gratings

Catchpots, oil collection pits, etc., including gratings and covers

Holding tanks, ponds and basins

Flow diverters to direct contaminated surface water automatically to prevent it discharging into the surface water drainage and diverting it to a collection pit or treatment system

Monitoring and control equipment including BMS interface

Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Connection to statutory authority sewer or other outfall

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

7452 Surface water treatment systems

A treatment system for treating surface water to render it suitable for discharge into a statutory authority's drainage system, into absorption pits and trenches or into district drainage channels

Treatment plant for removing non-aqueous and specific dissolved chemicals from surface water prior to discharge

Holding tanks and storage facilities for removed materials

Non-fixed work (see Explanatory notes)

7453 Surface water disposal systems

Disposing of surface water, after treatment as required, into a statutory authority's drainage system, into absorption pits and trenches or into district drainage channels

Drains carrying surface water, including treated surface water, to disposal points

Excavation for soakaway pits and/or absorption trenches

Groundwater drainage lines of clay or plastics piping laid in absorption trenches surrounded with no-fines aggregate

Backfilling soakaway pits to determined level with no-fines aggregates

Plastics sheeting or other covering placed on top of the aggregate

Backfilling excavation to the required level

Non-fixed work (see Explanatory notes)

7454 Surface water pumping systems

A system with receiving and storage tanks for the reception of surface water at one level and transferring it by pump or ejector to discharge at a higher level

Pipelines, including ancillaries, pumps, etc., which convey the surface water from point of intake into the pumping system to point of discharge

Receiving and storage tanks

Pumping and/or ejector station

Control components

Monitoring equipment including BMS interface

Thermal and acoustic insulation

Fixing to the building fabric

Identification of pipelines, plant, etc.

Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints to suit subcontractor and General Contractor responsibility

Preparing surfaces and applying protective coatings and decorative finishes off site

Preparing surfaces to receive protective coatings and decorative finishes on site

Non-fixed work (see Explanatory notes)

746 Foul water below ground

7461 Foul water drainage

All buried drainlines, of stoneware, plastics or metal, including drainage for landscaping, connected to and carrying waste and soil discharges from above-ground waste and soil pipes and fittings to the statutory authority sewer, other outfall or to holding tanks and connecting thereto

Drainlines of stoneware, plastics or metal carrying waste and soil discharges

Gullies and gratings

Grease traps

Interceptor traps and fresh air inlets or connections to fresh air inlet pipelines

Holding tanks

Monitoring and control equipment including BMS interface

Connection to statutory authority sewer, district drainage channel, or other outfall

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Non-fixed work (see Explanatory notes)

7462 Sewage treatment systems

Sewage treatment system, including gravity septic tank systems, for treating human or animal sewage and waste products to render them suitable for discharge into a statutory authority's sewerage system, into absorption pits and trenches or into district drainage channels

Pipelines, of stoneware, plastics or metal, including ancillaries, pumps, etc., which convey the liquid from the point of intake to point of discharge
 Receiving and storage tanks
 Gravity septic tank installations without mechanical distribution systems
 Composting toilets
 Mechanical treatment of liquids including pumps, aerators, blowers and skimmers
 Monitoring and control equipment including BMS interface
 Sewage gas plant
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints to suit subcontractor and General Contractor responsibility
 Preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Non-fixed work (see Explanatory notes)

7463 Site sewage disposal systems

Disposing of sewage, after treatment as required, on site into absorption pits and trenches

Excavation for soakaway pits and/or absorption trenches
 Groundwater drainage lines of clay or plastics piping laid in absorption trenches surrounded with no-fines aggregate
 Backfilling soakaway pits to determined level with no-fines aggregates
 Plastics sheeting or other covering placed on top of the aggregate
 Backfilling excavation to the required level
 Non-fixed work (see Explanatory notes)

7464 Sewage pumping systems

A system with receiving and storage tanks for the reception of sewage and wastes at one level and transferring it by pump or ejector to discharge into drains or sewers at a higher level

Pipelines, including ancillaries, pumps, etc., which convey the sewage from point of intake to point of discharge
 Receiving and storage tanks
 Pumping and/or ejector station
 Monitoring and control equipment including BMS interface
 Thermal and acoustic insulation
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment needed for the operation of the system, from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Non-fixed work (see Explanatory notes)

747 Toxic, corrosive and flammable waste systems

7471 Toxic, corrosive and industrial waste plumbing

A piped waste and effluent system carrying toxic, corrosive and industrial wastes from receiving fixtures to the point where it connects to a drainline or where it terminates in a collection vessel

Chemical-resistant discharge stacks and pipelines, connected to laboratory and other fixtures
 Chemical-resistant traps
 Chemical-resistant holding vessels
 Neutralising facilities and equipment including BMS interface

Thermal and acoustic insulation
 Chemical-resistant storage tanks, including discharge port with stop valve
 Connecting the pipelines to drainage lines below ground or to storage tanks
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Monitoring and control equipment
 Electrical installation, including equipment, needed for the operation of the systems, from a designated point of supply
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Non-fixed work (see Explanatory notes)

7472 Flammable waste plumbing

Waste line systems, with holding tanks, for conveying flammable liquids from inlet points to collecting and holding vessels

7473 Toxic, corrosive and industrial waste pumping systems

A system with receiving and storage tanks for the receiving of toxic, corrosive and industrial wastes at one level and transferring it by pump or ejector to discharge to waste treatment facilities at a higher level

7475 Toxic, corrosive and industrial liquid waste drainage systems

All buried drainlines connected to and carrying toxic, corrosive and industrial liquid waste discharges from above ground plumbing lines to treatment facilities or to holding tanks

Drainlines carrying hazardous waste discharges
 Fresh air inlets
 Receiving and holding tanks
 Monitoring and control equipment including BMS interface
 Connection to hazardous wastes treatment system
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Non-fixed work (see Explanatory notes)

7476 Toxic, corrosive, industrial and general hazardous liquid waste treatment systems

Treatment systems for treating toxic, corrosive and industrial liquid wastes prior to discharge

Pipelines, including ancillaries, pumps, etc., which convey the waste from point of intake to point of discharge
 Receiving and storage tanks
 Settlement tanks
 Treatment tanks
 Holding tanks, prior to discharge
 Thermal insulation
 Dosing equipment
 Treatment equipment
 Effluent treatment plant
 Monitoring and control equipment including BMS interface
 Fixing to the building fabric
 Identification of pipelines, plant, etc.
 Electrical installation, including equipment, needed for the operation of the system from a designated point of supply
 Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.
 Preparing surfaces and applying protective coatings and decorative finishes off site
 Preparing surfaces to receive protective coatings and decorative finishes on site
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Non-fixed work (see Explanatory notes)

7477 Toxic, corrosive and industrial liquid waste disposal systems

Disposal of toxic, corrosive and general hazardous waste after treatment

748 Miscellaneous liquid disposal

749 Ancillary items; repairing and altering drainage and waste systems

7491 Ancillary items

7497 Cleaning, repairing and renovating existing plumbing and drainage systems
Cleaning, repairing, renovating existing drainage systems

7498 Alteration work; demolishing and reconstructing plumbing and drainage systems
Demolishing and reconstructing drainage systems as part of general demolition, reconstruction, alterations and additions

75 Heating and cooling

751 Boilers

7511 Gas fired boilers

Gas fired boilers supplying heat, using oil, steam or hot water as the heating medium

Gas fired boilers, for small, medium and large installations, with all associated work, materials and equipment, to generate heat for supplying through a heat distribution system to user points The installation is to be designed to suit the size of the installation and is to include connection to the gas supply, gas burners and all controls, chimneys, flues and flue drains if so specified, or connection thereto, gas detection systems, all safety devices including discharge pipework, valves, steam trap sets, thermal, acoustic and vibration insulation, connection to treated water source, etc.

Steam boiler feedwater tanks and pumps, hydro-pneumatic tanks for hot water boilers, blowdown piping and tanks with vents and drains, condensate tanks, etc.

Gangways, walkways, ladders and necessary accessways, where specified

Complete electrical installation, needed for the functioning of the system, from a designated point of supply, connected to boiler

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

Gas supply including connection to boilers (7211)

Boiler feed water treatment plant, including protection to boiler, when not included in the boiler installation (7166)

Fresh air inlets

Explosion panels

Steam and condensate reticulation

Hot water reticulation

Hot oil reticulation

Water supply to feed tanks

Tank stands

7512 Oil fired boilers

Oil fired boilers, supplying heat using oil, steam or hot water as the heating medium

Oil fired boilers, for small, medium and large installations, with all associated work, materials and equipment, to generate heat for supplying through a heat distribution system to user points The installation is to be designed to suit the size of the installation and is to include connection to the oil storage and supply, oil burners, preheaters, chimneys and flues and flue drains if so specified, or connection thereto, pipework, valves, steam trap sets, thermal, acoustic and vibration insulation, all safety devices, including discharge pipework, connection to treated water source, etc.

Steam boiler feedwater tanks and pumps, hydro-pneumatic tanks for hot water boilers, blowdown piping and tanks with vents and drains, condensate tanks, etc.

Gangways, walkways, ladders and necessary accessways where specified

Excavation, backfilling and anti-flotation precautions for underground tanks

Complete electrical installation, needed for the functioning of the system, from a designated point of supply, connected to boiler

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7513 Gas and oil fired boilers

Boilers designed to use dual fuels as the heat source, using oil, steam or hot water as the heating medium

Dual fuel boilers, with all provisions as for gas fired and oil fired boilers

7514 Coal fired boilers**Coal fired boilers supplying heat, using oil, steam or hot water as the heating medium**

Coal fired boilers, for small, medium and large installations, with all associated work, materials and equipment, to generate heat for supplying through a heat distribution system to user points The installation is to be designed to suit the size of the installation and is to include coal handling and storage plant, boiler feed systems and controls, pumps, condensate storage, combustion controls, grit refiring, induced or forced draft fans, automatic coal firing plant, smoke emission control, ash handling and storage, chimneys and flues and flue drains if so specified or connection thereto, all safety devices, including discharge pipework, valves, steam trap sets, thermal, acoustic and vibration insulation, connection to treated water source, etc., Steam boiler feedwater tanks and pumps, hydro-pneumatic tanks for hot water boilers, blowdown piping and tanks with vents and drains, condensate tanks, etc.

Blowdown pit

Gangways, walkways, ladders and necessary access ways where specified

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7515 Electrode boilers**Electrode boilers supplying heat using oil, steam or hot water as the heating medium**

Electrode boilers, for small, medium and large installations, with all associated work, materials and equipment, to generate heat for supplying through a heat distribution system to user points The installation is to be designed to suit the size of the installation and is to include connection to the electricity supply, thermal, acoustic and vibration insulation, all safety devices, including discharge pipework, valves, steam trap sets, connection to treated water source, etc.

Steam boiler feedwater tanks and pumps, hydro-pneumatic tanks for hot water boilers, blowdown piping and tanks with vents and drains, condensate tanks, etc.

Gangways, walkways, ladders and necessary access ways, where specified

Complete electrical installation, needed for the functioning of the system, from a designated point of supply, connected to boiler

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7516 Wood fired boilers**Wood fired boilers supplying heat, using oil, steam or hot water as the heating medium**

Wood fired boilers, for small, medium and large installations, with all associated work, materials and equipment, to generate heat for supplying through a heat distribution system to user points The installation is to be designed to suit the size of the installation and is to include wood handling and storage plant, induced or forced draft fans, ash handling and storage, exhaust processing, chimneys and flues if so specified or connection thereto, all safety devices including discharge pipework, valves, steam trap sets, thermal, acoustic and vibration insulation, connection to treated water source, etc.

Steam boiler feedwater tanks and pumps, hydro-pneumatic tanks for or hot water boilers, blowdown piping and tanks with vents and drains, condensate tanks, etc.

Gangways, walkways, ladders and necessary access ways, where specified

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7517 Alternative fuel boilers**Boilers designed to burn peat, straw, waste or similar fuels, supplying heat, using oil, steam or hot water as the heating medium**

Boilers fired with peat, straw, waste and similar fuels, for small, medium and large installations, with all associated work, materials and equipment, to generate heat for supplying through a heat distribution system to user points. The installation is to be designed to suit the size of the installation and is to include fuel handling and storage plant, induced or forced draft fans, ash handling and storage, exhaust processing, chimneys and flues if so specified or connection thereto, all safety devices including discharge pipework, valves, steam trap sets, thermal, acoustic and vibration insulation, connection to treated water source, etc.

Steam boiler feedwater tanks and pumps, hydro-pneumatic tanks for hot water boilers, blowdown piping and tanks with vents and drains, condensate tanks, etc.

Gangways, walkways, ladders and necessary access ways, where specified

Complete electrical installation, needed for the functioning of the system, from a designated point of supply, connected to boiler

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7518 Packaged steam generators**Packaged steam generators providing heat to user points by means of a heat distribution system, using a selected type of energy source**

752 Natural energy

7521 Heat pumps**Heat pumps transferring energy between an external air or water source and an internal system, where not an integral part of air conditioning systems or units****7522 Solar energy collectors****Solar collectors using solar energy to collect heat, using water or other liquid as the medium****7523 Geothermal energy****Systems using geothermal energy as a primary heat source**

753 Heat distribution

7531 Heat distribution systems - steam and condensate**Piped systems, using steam as the heating medium, distributed to heat-using plant or equipment and returning condensate to the steam generating equipment**

Heat distribution systems, using steam as the heating medium, connected to the steam-generating equipment and extended to user points, with a condensate system, with all necessary work, materials and equipment

Pipelines, including traps, separators, pumps, vessels, controls, valves, strainers, fittings, anchors, expansion provisions, other ancillaries, pumps, etc., to convey the steam from the steam-generating equipment to all user points, heaters, etc., and to return condensate to the steam generating equipment

Metering equipment, valves, etc.

Thermal, acoustic and vibration insulation, cladding, etc.

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7532 Direct steam systems**Piped distribution systems providing a steam supply for direct uses and process requirements, complete with condensate return**

System connected to the steam generating equipment and reticulating steam to points of general use, together with all necessary equipment, and condensate return system

Pipelines, including traps, separators, pumps, vessels, controls, valves, strainers, fittings, anchors, expansion provisions, other ancillaries, etc., to convey the steam from the steam generating equipment to all user points, including heaters, steam/water mixers, cooking equipment, hospital equipment, etc.

Excavation and backfilling

Pipelines and ancillaries needed for the complete steam and condensate service

Condensate pumping equipment

Thermal, acoustic and vibration insulation, cladding, etc.

Metering equipment, valves, etc.

Complete electrical installation needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7533 High temperature high pressure hot water heat distribution systems**Piped systems, using high temperature high pressure hot water as the heating medium, distributed to heat-using plant or equipment**

Heat distribution systems using high temperature high pressure hot water as the heating medium, connected to the heat-generating equipment and extended ready for connection to user points, with all necessary work, materials and equipment

Pressurization systems

Pipelines, pumps, vessels, controls, valves, fittings, anchors, expansion provisions, ancillaries, etc., to convey the water from the heat-generating equipment to all user points and return to the heat generating equipment

Metering equipment, valves, etc.

Thermal, acoustic and vibration insulation, cladding, etc.

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7534 Medium temperature hot water heat distribution systems**Piped systems, distributing medium temperature hot water to user points**

Medium temperature hot water distribution systems, connected to the heat-generating equipment and extended to user points, with all necessary work, materials and equipment

Pressurization systems

Pipelines, pumps, vessels, controls, valves, fittings, anchors, expansion provisions, ancillaries, etc., to convey the water from the heat-generating equipment to all user points and return to the heat generating equipment

Metering equipment, valves, etc.

Thermal, acoustic and vibration insulation, cladding, etc.

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7535 Low temperature hot water heat distribution systems

Piped systems, distributing low temperature hot water to user points

Low temperature hot water distribution systems, connected to the heat-generating equipment and extended to user points, with all necessary work, materials and equipment

Expansion vessels

Pipelines, pumps, vessels, controls, valves, fittings, anchors, expansion provisions, ancillaries, etc., to convey the water from the heat-generating equipment to all user points and return to the heat-generating equipment

Metering equipment, valves, etc.

Thermal, acoustic and vibration insulation, cladding, etc.

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7536 Hot oil heat distribution systems

Piped systems distributing hot oil to user points

Hot oil distribution systems connected to the heat-generating equipment and extended to user points, with all necessary work, materials and equipment

Pressurization systems

Pipelines, pumps, vessels, controls, valves, fittings, anchors, expansion provisions, etc., to convey the oil from the heat-generating equipment to all user points and return to the heat generating equipment

Metering equipment, valves, etc.

Thermal, acoustic and vibration insulation, cladding, etc.

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

754 Space heating - steam and hot water

7541 Steam space heating systems

Radiation and convection heating systems using steam as the heating medium for space heating, complete with condensate return system

Space heating systems, complete with all associated work, materials and equipment, using steam as the heating medium, connected to the steam generating equipment, with pipelines, pumps, vessels controls, fittings, anchors, expansion provisions, ancillaries, etc., reticulated to and including heat exchangers, convectors, radiant panels, etc., and other heat emitting equipment which do not use ducted ventilation systems to distribute heat, and to return condensate to the steam generating equipment

Metering equipment, valves, steam traps, separators, etc.

Thermal, acoustic and vibration insulation, cladding, etc.

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7542 High temperature hot water space heating systems**Radiation and convection heating systems using high temperature hot water as the heating medium for space heating**

Space heating systems, complete with all associated work, materials, and equipment, using high temperature hot water as the heating medium, including connecting to the heat source, pipelines, pumps, vessels, controls, fittings, anchors, expansion provisions, ancillaries, etc., reticulated to and including heat exchangers, radiators, convectors, radiant panels, etc., and other heat emitting equipment which do not use fans or ventilation systems to distribute heat and return the water to the heat, generating equipment

Metering equipment, valves, etc.

Thermal, acoustic and vibration insulation, cladding, etc.

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7543 Medium temperature hot water space heating systems**Heating systems using medium temperature hot water as the heating medium for space heating**

Space heating systems, complete with all associated work, materials, and equipment, using medium temperature hot water as the heating medium, including connecting to the heat source, pipelines, pumps, vessels, controls, fittings, anchors, expansion provisions, ancillaries, etc., reticulated to and including heat exchangers, convectors, radiant panels, etc., and other heat emitting equipment which do not use fans or ventilation systems to distribute heat, and return the water to the heat generating equipment

Metering equipment, valves, etc.

Thermal, acoustic and vibration insulation, cladding, etc.

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7544 Low temperature hot water space heating systems**Heating systems using low temperature hot water as the heating medium for space heating**

Space heating systems, complete with all associated work, materials, and equipment, using low temperature hot water as the heating medium, including connecting to the heat source, pipelines, pumps, vessels, controls, fittings, anchors, expansion provisions, ancillaries, etc., reticulated to and including radiators, convectors, radiant panels, etc., and other heat emitting equipment which do not use ducted ventilation systems to distribute heat, and return the water to the heat-generating equipment

Metering equipment, valves, etc.

Thermal, acoustic and vibration insulation, cladding, etc.

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7545 Low temperature hot water underfloor and ceiling heating systems and chilled water ceiling cooling systems**Underfloor and ceiling heating systems using low temperature hot water as the heating medium
Ceiling cooling systems using chilled water**

Piping installed within a concrete slab, gypsum or concrete topping slab, in ceilings and under a framed timber floor, with or without board insulation, with all necessary zoning, pumps, manifolds, metering, controlling, monitoring and alarm equipment, including BMS interface

Connections to hot water source

Cooling systems circulating chilled water in ceiling pipework, using independent pipework or the pipework used for the heating cycle

All identification of pipelines, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

755 Space heating - electric, gas and solid fuel

7551 Electric space heating

Radiation and convection space heating using electricity as heat source

Electric space heating systems, complete with all necessary materials and equipment, including connecting to the electrical supply, radiators, convectors and other heat emitting equipment which do not use ducted ventilation systems to distribute the heat
 Fixed individual heaters
 Metering, monitoring, control and alarm equipment including BMS interface
 Fixing to the building fabric
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibilities
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibilities
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7552 Electric cable underfloor and ceiling space heating systems

Electric space heating systems, using metal-protected cables installed in floors and ceilings, using electricity as the heat source

Electric insulated cable space heating systems, using metal-protected or similar cables, laid in concrete slabs, gypsum screeds and panels, panels or similar toppings, or installed in ceilings, either supported by the ceiling or incorporated into panels, connected to the electrical supply
 Subsurface cable installations externally under paths and roads
 Metering, monitoring, control and alarm equipment including BMS interface
 Fixing to the building fabric
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibilities
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibilities
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7553 Electric foil heating

Electric foils, laid under floor surfacing or in ceilings, as space heating

Electric foil space heating systems, using foils laid under carpet, tiling, resilient and other floor surfacing, or in ceiling construction, laid on the ceiling or incorporated into ceiling panels, connected to the electrical supply
 Metering, monitoring, control and alarm equipment including BMS interface
 Fixing to the building fabric
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibilities
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibilities
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7554 Gas fired space heating systems

Radiation and convection space heating systems using gas as the heat source

Gas space heating systems, using gas as the heat source, complete with all necessary materials and equipment including connecting to the gas supply, radiators, convectors and other heat emitting equipment which do not use ducted ventilation systems to distribute the heat, metering, monitoring, control and alarm equipment including BMS interface
 Complete electrical installation needed for the functioning of the equipment, from a designated point of supply
 Thermal, acoustic and vibration insulation, cladding, etc.
 Fixing of the building fabric
 Identification of pipelines, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibilities
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibilities

Off-site and on-site preparation, anti-corrosion treatment and finishing
Non-fixed work (see Explanatory notes)

7555 Gas fires

Fires of steel or cast iron, built-in or free-standing, with back boilers, etc., using natural gas, propane, or other gas source as the heat source, complete with an independent flue or with a flue connected to masonry, concrete or other chimney or flue, with or without a flue liner, exhaust cowl, etc.

7556 Solid fuel fires

Fires of steel and cast iron, including heat cells, built-in or free-standing, with or without controlled rate of combustion and including back boilers, air convection, etc., using wood, coal, coke or similar fuels as the heat source, each provided with an independent flue or with a flue connected to masonry, concrete or other chimney or flue, with or without a flue liner, exhaust cowl, etc., and with provision for ash removal

7557 Solid fuel cooking ranges

Solid fuel cooking ranges, with or without back boiler units, fixed to the building fabric and provided with an independent flue or with a flue connected to masonry, concrete or other chimney or flue, with or without a flue liner, exhaust cowl, etc., and with provision for ash removal

756 Energy recovery

7561 Energy recovery systems

Systems to recover heat or cold from steam and liquids, for reuse in the installation within which the system occurs or for transfer to other systems

757 Central refrigeration and distribution

7571 Central refrigeration plant

Refrigeration systems used for cooling operations

Packaged or custom built refrigeration systems of the direct expansion, chilled water or other type, complete with compressors, cooling towers, condensers, water chillers (where appropriate), cooling towers, interconnecting pipework, valves, moisture separators, controls, pumps, mounting frames, etc.

Metering equipment, valves, etc.

Thermal, acoustic and vibration insulation, cladding, etc.

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7572 Cooling distribution systems - liquid

Piped systems distributing cooled liquid from a central refrigeration source to user points

Cooling distribution systems, with flow and return piping, using liquid as the cooling medium, connected to a central refrigeration plant and extended to user points, with all necessary work, materials and equipment

Pipelines including ancillaries, pumps, etc., which convey the cooled liquid from and to the central refrigeration plant to all user points

Metering equipment, valves, etc.

Thermal, acoustic and vibration insulation, cladding, etc.

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7573 Cooling distribution systems - refrigerant

Piped systems distributing refrigerant from a central refrigeration source to user points

Cooling distribution systems, with flow and return piping, using refrigerant as the cooling medium, connected to a central refrigeration plant and extended to user points, with all necessary work, materials and equipment

Pipelines including ancillaries, etc., which convey the refrigerant from and to the central refrigeration plant to all user points

Metering equipment, valves, etc.

Thermal, acoustic and vibration insulation, cladding, etc.

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including BMS interface

Fixing to the building fabric

Identification of pipelines, plant, etc.

Excavation, beds and surrounds, pits and manholes including gratings and covers, thrust blocks, backfilling, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

759 Ancillary items; repairing and altering heating and cooling installations

7591 Ancillary items

7597 Cleaning, repairing and renovating existing heating and cooling installations

Cleaning, repairing and renovating existing heating and cooling systems

7598 Alteration work; demolishing and reconstructing heating and cooling installations

Demolishing and reconstructing heating and cooling systems, as part of general demolition, reconstruction, alterations and additions

76 Ventilation and air-conditioning

760 Ventilation and air-conditioning

7600 Mechanical general
General mechanical matters common to the detailed mechanical items

761 Mechanical water plant

7611 Chillers

Electric motor driven air or water cooled chiller sets refrigerant, compressors, heat pump, conventional and heat recovery

Including
 All monitoring, control and alarm equipment
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7612 Evaporative condensers

Refrigerant evaporative coolers for ducted and free discharge applications

Including
 All monitoring, control and alarm equipment
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7613 Cooling towers

Cooling towers normally use in commercial buildings, air handling, water systems, microbial control. Includes evaporative condensers and closed circuit fluid coolers.

Including
 All monitoring, control and alarm equipment
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7614 Mechanical pumps

Centrifugal pumps used as part of mechanical systems including; end suction centrifugal, in line circulating and submersible pumps

Including
 All monitoring, control and alarm equipment
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7615 Tanks and vessels

Pressurised vessels and non-pressurised tanks including; open and closed header tanks, pneumatic expansion tanks, water storage tanks for chilled and heating water, calorifiers, and ice tanks

Including

All monitoring, control and alarm equipment
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

762 Mechanical air plant and components

7621 Packaged air conditioning

One piece and split, direct expansion (DX), packaged air conditioning plant with nominal cooling capacities greater than 7.5 kW, including air cooled and water cooled types, conventional comfort plant and close control packaged plant

Including
 All monitoring, control and alarm equipment
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7622 Air handling plant

All types of air handling plant ranging from small room fan coil units to large built-up air handlers

Proprietary air handling plant
 Site erected air handling units
 Site erected plenums associated with air handling plant
 All monitoring, control and alarm equipment
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7623 Fans

Centrifugal, axial flow, mixed flow and propeller fans as part of roof mounted fans, in-line and window/wall mounted fans of the type commonly used in airconditioning and ventilation systems

Including
 All monitoring, control and alarm equipment
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7624 Air filters

Air filters commonly used in mechanical systems including; dry media dust filters (HEPA, viscous impingement and electrostatic), grease filters and gas phase adsorbers (active carbon)

Including
 All monitoring, control and alarm equipment
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7625 Air coils**Finned tube coils used in heating and cooling systems including water and refrigerant coils**

Including

All monitoring, control and alarm equipment

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7626 Humidifiers**Generally proprietary self-generating electric steam humidifiers that produce steam at atmospheric pressure**

Humidifiers in packaged computer room air conditioning units (some types)

Including

All monitoring, control and alarm equipment

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

763 Mechanical ductwork and components

7631 Ductwork**Ductwork for mechanical systems fabricated generally from sheet metal, including related ancillary items**

Sheet metal including galvanised steel, stainless steel and aluminium

Proprietary ducting and flexible ducting

Fire rating and damping

Related hoods and canopies

Including

All monitoring, control and alarm equipment

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7632 Ductwork insulation**Ductwork acoustic and thermal insulation, and sheathing of ductwork**

Insulating materials including; mineral wool (including glass fibre), polyester fibre, polyolefin foam, and elastomeric foam

Facing materials include aluminium foil laminate and sheet metal

Including

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7633 Attenuators and acoustic louvres**Duct mounted sound attenuators and wall mounted acoustic louvres**

Including

All monitoring, control and alarm equipment

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing
Non-fixed work (see Explanatory notes)

7634 **Air grilles**

Fixed and adjustable grilles and diffusers used in air conditioning and ventilation systems

Including
Weatherproof exterior louvres
All monitoring, control and alarm equipment
Fixing to the building fabric
Identification of pipelines, ducts, plant, etc.
Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
Off-site and on-site preparation, anti-corrosion treatment and finishing
Non-fixed work (see Explanatory notes)

7635 **Variable air volume terminals**

Variable air volume (VAV) terminals (VAV boxes) including; series and parallel fan assisted types and non-fan, pressure independent boxes

Including
Associated hot water and electric heating
All monitoring, control and alarm equipment
Fixing to the building fabric
Identification of pipelines, ducts, plant, etc.
Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
Off-site and on-site preparation, anti-corrosion treatment and finishing
Non-fixed work (see Explanatory notes)

764 **Mechanical piping and components**

7641 **Mechanical piping**

Piping, valves, fittings and accessories associated with mechanical systems including; chilled, condenser and heating water, and other fluids and gases

Pipe materials include; steel, stainless steel, copper and plastic with the appropriate valves, fittings, supports and accessories
Including
All monitoring, control and alarm equipment
Fixing to the building fabric
Identification of pipelines, ducts, plant, etc.
Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
Off-site and on-site preparation, anti-corrosion treatment and finishing
Non-fixed work (see Explanatory notes)

7642 **Mechanical piping insulation**

Insulation and sheathing of piping, tanks, vessels and flues

Insulating materials including; mineral wool (including glass fibre), polyester fibre, polyolefin foam, polystyrene and elastomeric types
Including
Fixing to the building fabric
Identification of pipelines, ducts, plant, etc.
Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
Off-site and on-site preparation, anti-corrosion treatment and finishing
Non-fixed work (see Explanatory notes)

7643 **Water treatment**

Water treatment for mechanical systems, open and closed water systems

Filters and water softeners, including boiler feed treatment and chemical dosing to inhibit corrosion
Cathodic protection for water systems
Including
All monitoring, control and alarm equipment

Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

765 Exhaust systems and terminal equipment

7651 General air exhaust systems

General air exhaust systems, discharging the exhausted air outside the building with or without treatment

General air exhaust systems, including all necessary associated work, materials and equipment, from and including the air intake grilles, air ducts, fans, etc., to the discharge terminals, including access for cleaning ducts and fans, provision for control of smoke and fire, acoustic, thermal and vibration treatment, etc., with treatment of the extracted air as required
 Complete electrical installation, needed for the functioning of the system, from a designated point of supply
 All monitoring, control and alarm equipment, including interface with BMS and fire control
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7652 Bathroom and kitchen air exhaust systems

Exhaust systems from toilet and kitchen areas, discharging the exhausted air outside the building with or without treatment, including unitary range hoods

Toilet air exhaust systems, with all necessary associated work, materials and equipment, from and including the intake grilles, with air ducts, fans, etc., to the discharge terminals, including access for cleaning ducts and fans, provision for control of smoke and fire, acoustic, thermal and vibration treatment, etc., with treatment of the exhausted air as required
 Exhaust systems from kitchens and food processing areas, including unitary range hoods, with all necessary associated work, materials, and equipment, from and including the hoods, canopies, valances, intake grilles, grease filters, with air ducts, fans, etc., to the discharge terminals, including fire rating of ducts, fans, motors, drives and ancillaries, provision of fire control systems, access for cleaning of ducts and fans, acoustic, thermal and vibration treatment with treatment of the extracted air as required
 Unitary range hoods and exhaust devices, including slide-out types, with or without lighting and filters, installed over cooking equipment or installed at bench level with bench top inlets, discharging the exhausted air through ducts, terminal cowls etc., outside the building or recirculating the filtered air
 Complete electrical installation, needed for the functioning of the system, from a designated point of supply
 All monitoring, control and alarm equipment, including interface with BMS and fire control
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7653 Contaminated air exhaust systems

Exhaust systems for removing air from within a building which contains fumes, odours and/or other contaminants, to outside the building

Exhaust systems, with all necessary work, materials, and equipment with required corrosion-resistance, with air ducts, suitable fans, motors, drives, etc., to the discharge stacks, including fire protection, smoke detection and acoustic, thermal and vibration treatment, with treatment of the extracted air as required
 Complete electrical installation, needed for the functioning of the system, from a designated point of supply
 All monitoring, control and alarm equipment including interface with BMS and fire control
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7654 Smoke exhaust systems**Exhaust systems for removing and controlling smoke generated by fire and discharging it outside the building with or without treatment**

Smoke exhaust systems, including all necessary associated work, materials, and equipment, from and including the inlet grilles, with air ducts, fans, motors, drives, etc., to the discharge terminals, including acoustic, thermal and acoustic treatment and fire control

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment including interface with BMS and fire control

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7655 Safety cabinet and fume hood and cupboards including exhaust systems**Exhaust systems for removing air from safety cabinets, fume hoods and canopies and fume cupboards and processing it as required before discharging it outside the building**

Safety cabinets and fume cupboards, either floor or bench mounted, the working surface with or without sinks, gutters and drains, with or without illuminating devices incorporated, prepared to receive required building services and ready for connection to an extract system and to a make-up air supply

Exhaust systems from safety cabinets, fume hoods and canopies and fume cupboard systems, with all necessary

work, materials and equipment with required corrosion-resistance, from and including connection to the cabinets,

hoods, canopies and cupboards, with air ducts, fans, motors, drives, etc., to the discharge stacks

including fire

detection and protection, smoke detection and acoustic, thermal and vibration treatment, with treatment of the

exhausted air as required

Provision for water spray nozzles or sprinkler heads in the discharge ductwork

Integral electrical systems prepared for connection to a designated point of supply for light sources and power outlets

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment including interface with BMS and fire control

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7656 Dust and particle exhaust systems**Exhaust systems for removing dust, sawdust and other air-borne particles from the originating source, removing them from the exhausted air and discharging the air outside the building**

Exhaust systems, including all necessary work, materials and equipment, for removing airborne particulate matter from the originating source, including hoods, canopies and other devices, with air ducts, fans, motors, drives, etc., to convey the air to extraction equipment where the particulate matter is separated and held for disposal, the air being discharged into a ducted exhaust air system or discharged through terminals outside the building. The installation to include fire detection and protection and acoustic, thermal and vibration treatment

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment including interface with BMS and fire control

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7657 Scavenging systems - anaesthetic gases**Scavenging systems for the removal of anaesthetic gases, with discharge outside the building or into an extract ventilation system**

Anaesthetic gas scavenging systems, including all necessary work, materials, and equipment, for removing anaesthetic gases from and including connection to the intake points, to a scavenging air duct or to

general exhaust ducts, with ducts, fans, motors, drives, etc., to the discharge terminals outside the building, including treatment of the extracted air as required
 Complete electrical installation, needed for the functioning of the system, from a designated point of supply
 All monitoring, control and alarm equipment including interface with BMS and fire control
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation and anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

766 Sundry air handling items

7661 Air curtains

An air movement system for circulating air across the opening between two spaces of differing temperatures

A system in which air is heated, cooled, or is circulated at intake temperature across an opening and recirculated with or without further temperature adjustment Heating may be provided electrically or from a remote heating source; cooling can be provided from an associated DX unit or from a remote cooling source

Thermal, acoustic and vibration insulation

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including interface with BMS

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7662 Unitary fans for spot ventilation

Unitary fans provided within building spaces to accelerate air movement at spot locations or to provide general air movement

Unitary fans installed on walls or ceilings to provide spot ventilation or general air movement within and between building spaces Fans may include a light source

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment, including interface with BMS

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7663 Unitary air heaters

Unitary air heaters, providing space heating by blowing air over heated elements

Unitary air heaters, each with its own fan and heating element which is heated by gas, steam, hot water or electricity, providing space heating by blowing air over the elements, with all necessary thermostatic, time and fire control

Unitary air heaters, controlled in groups to provide co-ordinated space heating to larger areas

Connection of heaters to remote energy sources

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment including interface with BMS and fire control

Fixing to the building fabric

Identification of pipelines, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7664 Unitary supply fans

Unitary supply fans, supplying outside air to indoor spaces

Unitary supply fans installed in windows or external walls, to supply outside air to indoor spaces Fans may include a heating element to raise the ambient air temperature

Complete electrical installation, needed for the functioning of the system, from a designated point of supply
 All monitoring, control and alarm equipment, including interface with BMS
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7665 Unitary exhaust fans

Unitary exhaust fans, to exhaust or recirculate exhausted air

Unitary exhaust fans, with or without lights, filters, heaters, installed in windows, walls and ceilings to exhaust room air, manually or automatically operated
 Ducting, roof and wall cowls, etc., carrying exhausted air to discharge it outside the building or to recirculate it within the building
 Complete electrical installation needed for the functioning of the system, from a designated point of supply
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

7666 Air treatment

Equipment to purify or improve air quality

UV air sterilizers and disinfectors
 Air ionizing equipment
 Equipment to treat the air supply with ozone

7667 General air supply systems

Air supply systems (generally of untreated air) to provide general ventilation, spot ventilation, pressurized supply for smoke control, and make-up air

General air supply systems, including providing air for pressurization of spaces for smoke control, for the provision of make-up air when outside air for make-up is not available, etc., the air untreated or treated as required, including all necessary work, materials and equipment, with air intakes, air ducts, fans, filters, supply grilles, fire protection, etc., and thermal, acoustic and vibration treatment
 Complete electrical installation, needed for the functioning of the system, from a designated point of supply
 Fire and smoke controls
 All monitoring, control and alarm equipment, including interface with BMS and fire control
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)
 Temporary work to maintain services

7668 Warm air heating systems

Systems using heat from a remote source to provide a ducted supply of warmed air

Air supply systems, including all necessary work, materials and equipment, providing controlled temperature warm air, with or without filtration, for space heating, with air intakes, air ducts, fans, heating coils, electric elements, acoustic, vibration and thermal insulation, temperature remote controls, energy conservation controls and supply registers A complementary recirculation/exhaust system, complete with intake grilles, air ducts, fans, motors, drives, etc., is to be provided as part of the complete installation, if so specified
 Connection to remote heat source
 Complete electrical installation, needed for the functioning of the system, from a designated point of supply
 Fire and smoke controls
 All monitoring, control and alarm equipment including interface with BMS and fire control
 Fixing to the building fabric
 Identification of pipelines, ducts, plant, etc.
 Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
 Off-site and on-site preparation, anti-corrosion treatment and finishing
 Non-fixed work (see Explanatory notes)

767 Unitary air-conditioning systems

7671 Window-mounted, wall-mounted and subfloor air-conditioning units

Self-contained window-mounted, wall-mounted and subfloor air-conditioning units providing conditioned air to a room or space

Self-contained window-mounted and wall-mounted air-conditioning units, including heat pump units, each with its own integral controls, drains, etc.

Self-contained subfloor heat pump air-conditioning units using a ducted system each with its own integral controls, drains, etc

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment

Fixing to the building fabric

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7672 Free-standing air-conditioning units

Self contained free-standing air conditioning units providing conditioned air to rooms and/or spaces

Self-contained free-standing air-conditioning units, each with its own filtration, humidification and temperature control equipment and fans, discharging air either directly into a room or space or using a ducted air system Cooling can be provided by using a remote cooling source or an integrated cooling unit; heating can be provided by using a remote heating source or an integral heating system Insulation to ductwork

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All monitoring, control and alarm equipment

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

7673 Split air-conditioning units

Unitary air conditioning systems of the "split" direct expansion type

Self-contained systems of the "split" direct expansion type, with an indoor section, usually mounted in the room being air-conditioned complete with electric heating and/or reverse cycle heating, thermostatic control, fan, filter, acoustic treatment, air-cooled outdoor section, refrigeration and condense pipework, thermal insulation, etc., The "split" system to be provided with ducted fresh air where required

Complete electrical installation, needed for the functioning of the system, from a designated point of supply

All controls, including energy controls and monitoring and alarm equipment

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

768 Miscellaneous mechanical

7681 Automatic controls mechanical

Automatic controls for mechanical systems

Small stand alone automatic control systems

Large automatic control systems including those linked to the building management system to provide building wide automation monitoring and control

Including

All monitoring and alarm equipment

Fixing to the building fabric

Identification of pipelines, ducts, plant, etc.

Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility

Off-site and on-site preparation, anti-corrosion treatment and finishing

Non-fixed work (see Explanatory notes)

769	Ancillary items; repairing and altering ventilation and air-conditioning installations
7691	Ancillary items
7692	Energy recovery systems Systems to recover energy from air, for reuse in the installation within which the system occurs or for transfer to other installations
7695	Mechanical commissioning Balancing, commissioning and performance testing of mechanical systems
7697	Cleaning, repairing and renovating ventilation and air-conditioning installations Cleaning, repairing and renovating ventilation and air-conditioning installations
7698	Alteration work; removing and reconstructing ventilation and air-conditioning installations Removing and reconstructing ventilation and air-conditioning installations as part of general demolition, reconstruction, alterations and additions

77 Electrical

770 Electrical

7701 Electrical basic

Combined electrical including, primary and general power distribution, lighting, appliances and related wired services, for small houses and equally simple non-residential buildings

7702 Electrical standard

Combined electrical including, primary and general power distribution, lighting, appliances and related wired services, for residential and medium scale commercial/industrial buildings

7703 Mechanical electrical

Combined electrical for minor electrical work associated with mechanical projects

7707 Electrical general

General electrical matters common to the detailed electrical items included in separate specific electrical sections. Would always accompany those specific sections

Separate specific electrical sections would be expected to include all those numbered under 771 to 777
Does not include any simple and/or combined electrical sections

771 Generation and primary distribution

7711 Primary LV supply

The distribution of the LV supply from the site generating plant, the supply authority's main or from the site transformers, including termination of the LV cables to the transformer, to the building main switchgear panel, with all associated work, materials and equipment including any pillar and meter boxes

Poles and overhead and underground power cables and conduits
All metering, monitoring, control and alarm equipment, including BMS interface
All identification, colour coding and labelling
Excavation and backfilling, including cablemarking and protection
Off-site and on-site preparation, anti-corrosion treatment and finishing
Fixing to the building fabric
Non-fixed work (see Explanatory notes)

7712 HV supply

The distribution of high voltage electricity from the supply authorities main or from the site generated supply to the on-site transformer sub-station

HV supply from the authority's main or site generated supply to and including the site transformers, switchgear, overhead or underground cables, pillar boxes, etc., with all associated work, materials and equipment, including cable support system, special earthing and protection
Excavation and backfilling, conduits, cable marking and protection, etc.
Poles and overhead powerlines
Providing full details for the substation construction
All metering, monitoring, control and alarm equipment, including BMS interface
All identification, colour coding and labelling
Off-site and on-site preparation, anti-corrosion treatment and finishing
Fixing to the building fabric
Non-fixed work (see Explanatory notes)

7713 Substation equipment

The provision of substation equipment for receiving a HV supply and transforming it for LV distribution

HV/LV transformers, switchgear, fusegear, monitoring instrumentation, including all interconnecting cabling, equipment, earthing, etc.
All metering, monitoring, control and alarm equipment, including BMS and fire control interface
All identification, colour coding and labelling
Off-site and on-site preparation, anti-corrosion treatment and finishing

Fixing to the building fabric
Non-fixed work (see Explanatory notes)

7714 HV site reticulation

The distribution of high voltage electricity around a site

HV site supply around a building site from the supply authority's main to the substations, switchgear, overhead or underground cables, with all associated work, materials and equipment, including special earthing and protection
Excavation and backfilling, including conduits, cable marking and protection
Poles and overhead power cables
All metering, monitoring, control and alarm equipment, including BMS interface
All identification, colour coding and labelling
Off-site and on-site preparation, anti-corrosion treatment and finishing
Fixing to the building fabric
Non-fixed work (see Explanatory notes)

7715 Prime mover plant for generating electrical energy

Prime movers for electricity generation

One or more prime movers for electricity generation, with all associated work, materials and equipment including base plates, fuel storage and supply lines, exhaust and cooling systems, batteries and chargers, ventilation, thermal, acoustic and vibration insulation, etc.
Excavation and filling and anti-flotation provisions for underground tanks
Complete electrical installation, needed for the functioning of the system, from a designated point of supply
All identification, colour coding and labelling
All metering, monitoring, control and alarm equipment, including BMS interface
Off-site and on-site preparation, anti-corrosion treatment and finishing
Fixing to the building fabric

7716 Generators and alternators

Generators and alternators for the production of electrical energy

Plant for the production of electrical energy, with the electricity being distributed at the specified voltage and frequency to the designated point on site. The energy may be used as the mains, standby and/or emergency supplies and, under certain circumstances, as a feed to the supply authority
Complete electrical installation to achieve the functioning of the installation, including protection and special earthing
All metering, monitoring, control and alarm equipment, including BMS interface
All identification, colour coding and labelling
Off-site and on-site preparation, anti-corrosion treatment and finishing
Fixing to the building fabric
Non-fixed work (see Explanatory notes)

7717 Solar cells

Assemblies of solar cells, used to produce direct current electricity, distributed to user points from storage batteries and/or converted to a.c. current and connected back to the grid

7718 Wind-impelled generator sets

Wind-impelled generator sets, used to produce direct or alternating current

772 General power distribution

7721 LV distribution

The distribution of low voltage electricity from and including the building main switchgear panel to and including all distribution boards and sub-distribution boards

LV distribution from and including the building main switchgear panel to and including all distribution boards and sub-distribution boards, junction boxes, associated protection, including subcircuit RCD protection, earthing and equipotential bonding, metering, etc., with all associated work, materials and equipment
All metering, monitoring, control and alarm equipment, including BMS interface
All identification, colour coding and labelling
Off-site and on-site preparation, anti-corrosion treatment and finishing
Fixing to the building fabric
Non-fixed work (see Explanatory notes)

7722 General LV power distribution**Sub-circuit power installations from sub-distribution boards, terminating with socket outlets or connection to appliances and other power users**

General 3-phase and single phase LV power from sub-distribution boards to and including socket outlets, and to and connected to permanently wired appliances and other equipment required to be supplied with LV power, including RCD's, isolating transformers, etc., earthing and equipotential bonding, together with local isolators and all associated work, materials and equipment

The installation of general 3-phase and single phase LV power externally around the site, including to supply the terminations for exterior lighting and to site furniture and buildings, including all excavation, pits, access points, and backfilling

All metering, monitoring, control and alarm equipment, including BMS interface

All identification, colour coding and labelling

Off-site and on-site preparation, anti-corrosion treatment and finishing

Fixing to the building fabric

Non-fixed work (see Explanatory notes)

7723 Special low voltage power distribution**The distribution of low voltage electricity to socket outlets and other user points**

Single phase power at voltages less than standard voltage from and including transformers to and including special protection systems, particular (non-standard) socket outlets and earthing, together with all associated work, materials and equipment

All metering, monitoring, control and alarm equipment, including BMS interface

All identification, colour coding and labelling

Off-site and on-site preparation, anti-corrosion treatment and finishing

Fixing to the building fabric

Non-fixed work (see Explanatory notes)

7724 Extra low voltage supply**The distribution of extra-low voltage electricity from local transformers to specialised equipment**

Single phase power at extra low voltages from and including transformers to and connected to specialised equipment, including earthing and protection systems, with all associated work, materials and equipment

All metering, monitoring, control and alarm equipment, including BMS interface

Off-site and on-site preparation, anti-corrosion treatment and finishing

Fixing to the building fabric

Non-fixed work (see Explanatory notes)

7725 Non-standard frequency power**The distribution of power at a frequency greater or less than the standard power supply including protection and earthing systems****7726 Emergency/standby power****The distribution of emergency electricity from the site electricity generating plant or from standby batteries and associated charger, to distribution boards and sub-distribution boards, to changeover from the supply authority's supply to site-generated electricity and/or standby battery supply, in the event of failure of the authority's supply**

LV supply from the site electricity generating plant to the change-over switches, which automatically and progressively change the power supply from mains supply to site-generated supply, and/or standby battery supply, in the event of mains failure, and which automatically restores the mains supply when available. The site generated power and/or standby battery supply is to be available for all designated points of use. All associated work, materials and equipment, including protection and earthing of the installation, necessary for the installation are to be provided

All metering, monitoring, control and alarm equipment, including BMS interface

All identification, colour coding and labelling

Off-site and on-site preparation, anti-corrosion treatment and finishing

Fixing to the building fabric

Non-fixed work (see Explanatory notes)

8652 Fabric roofing systems
Fabric roofing systems, secured at the ends of the fabric and supported along the sides including all structure and components

869 Ancillary items; repairs and alterations to specialist structures

8691 Ancillary items

8697 Cleaning, repairing and renovating existing specialist structures
Cleaning, repairing and renovating existing specialist structures

8698 Alteration work; demolishing and reconstructing specialist structures
Demolishing and reconstructing specialist constructions as part of general demolition, reconstruction, alterations and additions