

Co-ordinated Building Information

CBI 2015

Classification System

Construction Information Limited

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524**Fire-rated interior doors and windows**

5241

Fire-rated timber door, window and frame assemblies

5242

Fire-rated steel door, window and frame assemblies

525**Special function interior doors and windows**

5251

Acoustic rated timber doors, windows and frame assemblies

5258

Miscellaneous special function interior doors and windows

526**Screens and miscellaneous items**

5261

Interior timber screens and shutters

5262

Fire-rated screen assemblies

529**Ancillary items**

5291

Special hardware

5297

Cleaning, repairing and renovating existing partitions

5298

Alteration work; demolishing and reconstructing partitions

53 Ceiling systems

531 Suspended ceilings

5311
Suspended tile ceilings on proprietary suspension systems

5312
Suspended ceilings on non-proprietary suspension systems

5313
Suspended sheet ceilings

532 Special performance ceilings

5321
Fire-rated suspended ceiling systems

5322
Acoustic-rated suspended ceiling systems

5323
Suspended ceiling systems with integrated building services

5324
Insulated suspended ceilings

5325
Special hygiene suspended ceilings

533 Membrane ceilings

5331
Stressed membrane suspended ceilings

5332
Fabric suspended ceilings

539 Ancillary items; repairing and altering ceilings

5391
Components

5397
Cleaning, repairing and renovating existing ceilings

5398
Alteration work; demolishing and reconstructing ceilings

54 Floors

541 Raised access floors

5411
Proprietary raised access floors

5412
Non-proprietary raised access floors

542**Ducting for services**

5421

Flush floor ducting

5422

Surface-mounted floor ducting

5423

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

543**Floors**

5431

Particleboard floors

5432

Timber strip floors

5433

Plywood floors

5434

Laminated timber floors

5438

Miscellaneous floors

549**Ancillary items; repairing and altering floors**

5491

Components

5497

Cleaning, repairing and renovating existing, floors, access floors and integral ducting

5498

Alteration work; demolishing and reconstructing, floors, access floors and integral

55**Joinery fixtures and hardware**

551**Fixtures**

5511

Purpose-made fixtures

5512

Proprietary Fixtures

5513

Preformed and prefinished room units

5514

Seating

5517

Bench tops

5518

Sundry fixtures

552**Hardware**

5521

Hardware

5528

Miscellaneous hardware

553**Blinds and curtains**

5531

Blinds to openings

5532

Curtains and curtain tracks

554**Awnings**

5541

Operable awnings

5542

Fixed awnings, hoods and canopies

5544

Operable awnings, hoods and canopies

556**Metalwork and composite fixtures**

5561

Metal and composite stairs and ladders

5562

Metal and composite handrails, balustrades and barriers

5568

Metal and composite fixtures

557**Timber fixtures**

5571

Timber stairs and ladders

5572

Timber floor trench and pit covers and floor and roof hatches

5573

Miscellaneous decorative woodwork

5574

Timber handrails and balustrades interior

558**Miscellaneous fixtures****559****Ancillary items; repairing and altering fixtures and fittings**

5592

Adhesives

5593

Mechanical fastenings

5597

Cleaning, repairing and renovating existing fixtures and fittings

5598

Alteration work; removing and reconstructing fixtures and fittings

56**Specialist equipment and assemblies**

561**Specialist equipment - A to D**

5615

Agricultural equipment

5618

Astronomical equipment

5619

Cultural items

562**Specialist equipment - E to G**

5621

Ecclesiastical equipment

5625

Educational equipment

5628

Funerary equipment

563**Specialist equipment - H to K**

5631

Health equipment

5635

Industrial equipment

5638

Kitchen and food service equipment

564**Specialist equipment - L**

5641

Laboratory equipment

5645

Laundry equipment

5648

Library equipment

565**Specialist equipment - M to P**

5651

Marine and navigation equipment

5655

Office and commercial equipment

5658

Personnel equipment

566**Specialist equipment - R**

5661

Research equipment

5665

Retailing equipment

567**Specialist equipment - S**

5671

Security equipment

5673

Spectacle equipment (for theatre and music)

5675

Spectacle equipment (displays and galleries)

5678

Sports and recreational equipment

5679

Studio equipment (film, radio and television)

568**Specialist equipment - T to Z**

5684

Vehicle, transportation and traffic equipment

5687

Waste and disposal equipment

569**Specialist assemblies**

5691

Specialist assemblies

57**Furniture and appliances**

571**Loose appliances**

5711

Loose appliances

572**Furniture and fittings**

5721

Furniture and fittings

5722

Workstation systems

58**Signs and features**

581**Signs and displays**

5811

Signs

5814

Signwriting

582**Artwork and features**

5821

Murals, graphic artworks and applied decoration

5822

Sculptural artworks

589**Ancillary items; repairing and altering signs and features**

5891

Ancillary items

5897

Cleaning, repairing and renovating existing signs and features

5898

Alteration work; removing and renovating signs and features

6**Finish**

61**Applied coatings**

611**Trowelled and sprayed wall coatings**

6112

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

6114

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

6115

Barium plaster trowelled coatings to walls and soffits

6116

Spray-applied plastics coatings to walls and soffits

6117

Scagliola

612**Trowelled floor coatings**

6121

Keying concrete slab surfaces to receive bonded applied trowelled coatings

6122

Cementitious trowelled coatings to floors

6123

Cement-bound terrazzo to floors

6124

Resin-bound terrazzo to floors

6125

Trowelled bonded surface coatings to floors

6126

Mastic asphalt finishes to floors

613**Liquid-applied floor coatings**

6131

Spray-applied plastics coating to floors

6132

Self-levelling coatings to floors

6133

Brush, roller or squeegee applied coatings to floors.

6135

Concrete moisture protection

614**Special floor finishes**

6141

Ground, sealed or polished concrete

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

6191

Ancillary items

6192

Substrate preparation

6193

Surface finishes to concrete

6197

Cleaning, repairing and renovating existing trowelled and sprayed finishes

6198

Alteration work; removing and reconstructing trowelled and sprayed finishes

62**Tiling**

621**Tile surfacing to walls and soffits**

6211

Ceramic tile and mosaic surfacing to walls and soffits

6212

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

6213

Terrazzo tile surfacing to walls and soffits

6214

Stone tile surfacing to walls and soffits

6215

Fired clay and brick tile surfacing to walls and soffits

6216

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

6217

Metal tile surfacing to walls and soffits

6218

Glass tile surfacing to walls and soffits

622

Tile finishes to floors and decks

6221

Ceramic tile and mosaic paving

6222

Precast concrete tile paving

6223

Terrazzo tile paving

6224

Stone tile paving

6225

Fired clay and brick tile paving

6226

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

6227

Metal tile paving

629**Ancillary items; repairing and altering tiling**

6293

Fixing systems

6297

Cleaning, repairing and renovating existing tiling

6298

Alteration work; removing and reconstructing tiling

63**Overlay flooring and wall panelling**

631**Solid wood and laminated wood flooring**

6311

Wood solid block, wood parquet

6312

Prefinished laminated wood flooring

6313

Timber resilient sport floors

6314

Prefinished timber floors

632**Sheet and slab wall surfacing**

6321

Sheet metal protective wall surfacing

6322

Sheet metal decorative surfacing

6323

Rigid sheet plastics surfacing to walls and soffits

6324

Stone slab surfacing to walls and soffits

6325

Resin-bound crushed stone slab surfacing to walls and soffits

6326

Terrazzo slab surfacing to walls and soffits

6327

Installation of precast concrete, GRC and reconstructed stone thin slab surfacing to

6328

Glass slab surfacing to walls and soffits

633**Panel surfacing to walls and soffits**

6331

Ceramic/faience and terra-cotta facing units to walls and soffits

6332

Prefinished sheet metal facing panels to walls and soffits

634**Timber sheet surfacing and panelling**

6341

Fully supported wood sheet surfacing and panelling to walls and soffits

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

6391

Ancillary items

6392

Adhesives, beddings

6393

Trims

6397

Cleaning, repairing and renovating existing sheet, slab and panel surfacing

6398

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

64**Resilient surfacing**

641**Resilient surfacing**

6411

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

6412

Linoleum sheet and tile finishes to floors, walls and soffits

6413

Rubber sheet and tile finishes to floors, walls and soffits

6414

Cork sheet and tile finishes to floors, walls and soffits

6415

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

6417

Composite resilient surfacing

6418

Miscellaneous resilient surfacing

649

Ancillary items; repairing and altering resilient surfacing

6491

Ancillary items

6497

Cleaning, repairing and renovating existing resilient surfacing

6498

Alteration work; demolishing and reconstructing resilient surfacing

65

Carpeting

651

Carpeting

6511

Carpet finish to floors and walls

6512

Carpet tile finish to floors and walls

659

Ancillary items; repairing and altering carpeting

6591

Ancillary items

6597

Cleaning, repairing and renovating existing carpeting

6598

Alteration work; removing and reconstructing carpeting

66

Flooring ancillaries

661

Flooring ancillaries

6612

Floor mats and foot grilles

6613

Non-slip surfacings

67

Painting, decoration and coating

670

Painting, decoration and coating

6700

Painting general

671

Painting exterior

6711

Painting exterior

6715

Decorative coatings exterior

6719

Painting existing exterior surfaces

672**Painting interior**

6721

Painting interior

6725

Decorative coatings interior

6729

Painting existing interior surfaces

673**Specialist coatings**

6731

Specialist decorative coatings of all types, applied by licensed and/or trained applicators

6734

Timber stains and transparent coatings

6735

Anti-Graffiti coatings

674**Protective coatings**

6741

Waterproof coatings

6742

Fire-rated coatings to metal

6743

Fire-rated coatings to timber

6744

Protective coatings

6745

Protective coatings to steel and other metals

6746

Powdercoating

6747

Protective coatings to floors

6748

Miscellaneous protective coatings

675**Wallcoverings**

6751

Wallpaper finishes

6752

Fabric finishes

6753

Flexible thin sheet finishes

6758

Wallcoverings miscellaneous

678**Miscellaneous painting, decoration and coating**

6781

Hot dip galvanizing

6782

Metal spray corrosion protection

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

6791

Ancillary items

6797

Cleaning, repairing and renovating existing painting, decoration and coating

6798

Alteration work; removing and reconstructing painting, decoration and coating

68**Finishes sundries**

681**Waterproofing and acoustic underlays**

6811

Waterproofing and acoustic underlay systems

6812

Waterproofing underlays

6813

Acoustic underlays

6815

Acoustic barriers

6816

Sound absorber panel

7**Services**

71**Liquid supply**

711**Bulk water systems**

7111

Bulk water systems fed from natural sources

7112

Bulk water storage tanks

7113

Protective treatment to water storage tanks

7114

Chemical treatment - Potable water

712

Water reticulation systems

7121

Cold potable water reticulation systems

7122

Hot potable water reticulation systems

7123

Hot and cold water system

7124

Chilled potable water reticulation systems

7125

Solar hot water systems

7126

Water heaters

713**Pressurized potable water systems**

7131

Pressurized potable cold water reticulation systems

7132

Pressurized potable hot water reticulation systems

714**Non-potable water systems**

7142

Flushing and grey water reticulation systems

7143

Non-potable water supply systems

715**Sanitaryware, tapware and accessories**

7151

Sanitaryware

7152

Tapware for potable water supply

7153

Bathroom and toilet accessories

7154

Fixtures for dispensing potable water

716**Treated water systems**

7161

De-ionized water reticulation systems

7162

De-mineralized water reticulation systems

7163

Distilled water reticulation systems

7164

Sterile water reticulation systems

7165

Bactericidal-treated water supply systems

7166

Boiler feed water systems

717

Piped supply systems for specific liquids

7171

Piped supply systems for beverages

7172

Piped supply systems for liquid detergents

7173

Piped supply systems for washing building surfaces

7174

Piped supply systems for non-flammable industrial liquids

7175

Piped reticulation systems for flammable liquids

719

Ancillary items; repairing and altering liquid supply installations

7197

Cleaning, repairing and renovating existing liquid supply installations

7198

Alteration work; demolishing and reconstructing liquid supply installations

72

Gas

721

Gas systems

7211

Piped systems for gas

7212

Gas supply cylinder systems

722

Gas appliances

7221

Gas appliances

723

Piped medical gas, air and vacuum systems

7231

Piped medical gas systems

7232

Piped medical compressed air systems

7233

Piped medical vacuum systems

7234

Medical vacuum aspiration systems

724

Piped laboratory, industrial and commercial gas systems

7241

Piped systems for flammable gases and gas mixtures for laboratory, industrial and

7242

Piped systems for oxidizing gases for laboratory, industrial and commercial use

7243

Piped systems for non-flammable gases and gas mixtures for laboratory, industrial and

7244

Piped bactericidal, insecticidal, fungicidal, deodorizing and aromatic gas systems

7245

Piped compressed air systems for laboratory, industrial and commercial use

7246

Piped vacuum systems for laboratory, industrial and commercial use

725

Gas disinfection

7251

Gas disinfection systems

729

Ancillary items; repairing and altering gas supply installations

7297

Cleaning, repairing and altering existing gas supply installations

7298

Alteration work; demolishing and reconstructing gas supply installations

73

Fire

731

Fire suppression using water

7311

Fire hose water supply systems

7312

Automatic fire sprinkler systems

7313

Fire sprinkler systems - Low hazard

7316

Deluge fire suppression systems

7317

Fire hydrant systems

732

Fire suppression using gas

7321

Fire suppression systems using gas

733

Fire suppression using foam

7331

Fire suppression systems using foam

735

Fire detection

7351

Manual fire alarms

7352

Automatic fire and smoke detection systems

738

Fire miscellaneous

7381

Unserviced loose appliances

7382

Fire stopping systems

739

Ancillary items; repairing and altering fire suppression systems

7391

Ancillary items

7397

Cleaning, repairing and renovating existing fire suppression systems

7398

Alteration work; demolishing and reconstructing fire suppression systems

74

Liquid disposal

740

Liquid disposal general

7401

Liquid disposal general

7402

Multi use pipe systems for liquid disposal

741

Surface water above ground

7411

Rainwater spouting systems

7412

Rainwater systems

742

Foul water above ground

7421

Sanitary systems

743

Below ground drainage

7431

Drainage general

744

Groundwater

7441

Groundwater drainage

745

Surface water below ground

7451

Surface water drainage

7452

Surface water treatment systems

7453

Surface water disposal systems

7454

Surface water pumping systems

746**Foul water below ground**

7461

Foul water drainage

7462

Sewage treatment systems

7463

Site sewage disposal systems

7464

Sewage pumping systems

747**Toxic, corrosive and flammable waste systems**

7471

Toxic, corrosive and industrial waste plumbing

7472

Flammable waste plumbing

7473

Toxic, corrosive and industrial waste pumping systems

7475

Toxic, corrosive and industrial liquid waste drainage systems

7476

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

7477

Toxic, corrosive and industrial liquid waste disposal systems

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

7498

Alteration work; demolishing and reconstructing plumbing and drainage systems

75**Heating and cooling**

751**Boilers**

7511

Gas fired boilers

7512

Oil fired boilers

7513

Gas and oil fired boilers

7514

Coal fired boilers

7515

Electrode boilers

7516

Wood fired boilers

7517

Alternative fuel boilers

7518

Packaged steam generators

752

Natural energy

7521

Heat pumps

7522

Solar energy collectors

7523

Geothermal energy

753

Heat distribution

7531

Heat distribution systems - Steam and condensate

7532

Direct steam systems

7533

High temperature high pressure hot water heat distribution systems

7534

Medium temperature hot water heat distribution systems

7535

Low temperature hot water heat distribution systems

7536

Hot oil heat distribution systems

754

Space heating - Steam and hot water

7541

Steam space heating systems

7542

High temperature hot water space heating systems

7543

Medium temperature hot water space heating systems

7544

Low temperature hot water space heating systems

7545

Low temperature hot water underfloor and ceiling heating systems and chilled water ceiling cooling systems

755**Space heating - Electric, gas and solid fuel**

7551

Electric space heating

7552

Electric cable underfloor and ceiling space heating systems

7553

Electric foil heating

7554

Gas fired space heating systems

7555

Gas Fires

7556

Solid fuel fires

7557

Solid fuel cooking ranges

756**Energy recovery**

7561

Energy recovery systems

757**Central refrigeration and distribution**

7571

Central refrigeration plant

7572

Cooling distribution systems - Liquid

7573

Cooling distribution systems - Refrigerant

759**Ancillary items; repairing and altering heating and cooling installations**

7591

Ancillary items

7597

Cleaning, repairing and renovating existing heating and cooling installations

7598

Alteration work; demolishing and reconstructing heating and cooling installations

76**Ventilation and air-conditioning**

760**Ventilation and air-conditioning general**

7600

Mechanical general

761**Mechanical water plant**

7611

Chillers

7612

Evaporative condensers

7613

Cooling towers

7614

Mechanical pumps

7615

Tanks and vessels

7616

Water heating boilers

762**Mechanical air plant and components**

7620

Fan coil units

7621

Packaged air-conditioning

7622

Air handling plant

7623

Fans

7624

Air filters

7625

Air coils

7626

Humidifiers

763**Mechanical ductwork and components**

7631

Ductwork

7632

Ductwork insulation

7633

Attenuators and acoustic louvres

7634

Air grilles

7635

Variable air volume terminals

764**Mechanical piping and components**

7641

Mechanical piping

7642
Mechanical piping insulation

7643
Water treatment

7645
Liquid Fuels

**765
Exhaust systems and terminal equipment**

7651
General air exhaust systems

7652
Bathroom and kitchen air exhaust systems

7653
Contaminated air exhaust systems

7654
Smoke exhaust systems

7655
Safety cabinet and fume hood and cupboards including exhaust systems

7656
Dust and particle exhaust systems

7657
Scavenging systems - Anaesthetic gases

**766
Sundry air handling items**

7661
Air curtains

7662
Unitary fans for spot ventilation

7663
Unitary air heaters

7664
Unitary supply fans

7665
Unitary exhaust fans

7666
Air treatment

7667
General air supply systems

7668
Warm air heating systems

**767
Unitary air-conditioning systems**

7671
Window-mounted, wall-mounted and subfloor air-conditioning units

7672

Free-standing air-conditioning units

7673

Split air-conditioning units

768

Miscellaneous mechanical

7680

Mechanical control

7681

Automatic controls mechanical

769

Ancillary items; repairing and altering ventilation and air-conditioning installations

7691

Ancillary items

7692

Energy recovery systems

7695

Mechanical commissioning

7697

Cleaning, repairing and renovating ventilation and air-conditioning installations

7698

Alteration work; removing and reconstructing ventilation and air-conditioning installations

77

Electrical

770

Electrical general

7701

Electrical basic

7702

Electrical standard

7703

Mechanical electrical

7707

Electrical general

771

Generation and primary distribution

7711

Primary power supply

7712

HV supply

7713

Substation equipment

7714

HV site reticulation

7715

Prime mover plant for generating electrical energy

7716

Generators and alternators

7717

Solar cells

7718

Wind-impelled generator sets

772**General power distribution**

7721

LV distribution

7722

General LV power distribution

7723

Special low voltage power distribution

7724

Extra low voltage supply

7725

Non-standard frequency power

7726

Emergency/standby power

7727

Power factor correction

773**Special power supply systems**

7731

DC supply

7732

Uninterrupted power supply (UPS)

774**Lighting**

7741

Luminaires and lamps

7742

Exterior lighting

7743

Emergency evacuation lighting

775**Special lighting systems**

7751

Special lighting systems

776**Electric appliances**

7761

Electric appliances

777**Deterrent systems**

7771

Animal deterrent systems

778**Miscellaneous electrical**

7785

Lightning protection

779**Ancillary items; repairing and altering electrical installations**

7797

Cleaning, repairing and renovating existing electrical installations

7798

Alteration work; demolishing and reconstructing electrical installations

78**Communications and controls**

781**Communications systems**

7811

Communications cabling

7812

Radio-frequency and microwave communication

7813

Listening support systems

7814

Public address and sound amplification systems

7815

Time-band information systems

7816

Medical communication systems

7817

Communications cabling residential

782**Audio-visual systems**

7821

Radio, television and closed circuit television

7822

Projection facilities

783**Detection, control and monitoring**

7833

Emergency, warning, information and general alarms

7834

Gas and liquid detection systems

7835

Access control

7836

Intruder detection systems

784

Protection and screening

7841

Earthing systems

7842

Lightning protection systems

7843

Non-proprietary electromagnetic screened enclosure systems

785**Monitoring systems**

7851

Equipment and services monitoring systems

786**Control systems**

7861

Central control systems (CCS)

7862

Building automation and building management systems (BMS)

7863

Control and automation systems residential

789**Ancillary items; repairing and altering communications and control systems**

7897

Repairing and renovating communications and control systems

7898

Alteration work; removing and reconstructing communications and control systems

79**Transport**

791**Lifts and escalators**

7911

Electro-mechanical lifts

7912

Electro-mechanical stairway lifts

7913

Hydraulic lifts

7914

Escalators and travelators

7915

Moving pavements

792**Goods transport**

7921

Electro-mechanical dumbwaiters

7922

Hydraulic dumbwaiters

7923

Manual dumbwaiters

7924

Scissors hoists

7925

Dock levellers

7926

Vehicle levellers

7927

Vehicle turntables

7928

Car and vehicle stackers

7929

Bath hoists for the disabled

793

Travelling cradles, cranes and hoists

7931

Travelling cradles

7932

Horizontally travelling cradles

7933

Overhead travelling cranes

7934

Static cranes

7935

Monorail systems

7936

Hoists and winches

7937

Weighing devices

7938

Access safety systems

794

Conveying systems

7941

Mechanical conveying systems

7942

Track conveying systems

7943

Belt conveying systems

7944

Plate conveying systems

7945

Roller conveying systems

7946

Cable conveying systems

7947

Guided vehicle conveying systems

7948

Pneumatic tube conveying systems

795**Automated storage and retrieval systems**

7951

Automated storage and retrieval systems for objects

7952

Automated parking systems for cars

796**Chute installations**

7961

Package chutes

7962

Gravity laundry chutes

7963

Vacuum laundry chutes

7964

Personnel emergency escape chutes

7965

Gravity waste chutes

7966

Vacuum waste chutes

797**Waste conveying systems**

7971

Central vacuum cleaning systems

798**Solid waste systems**

7981

Waste treatment

7982

Waste compaction

7983

Waste incineration systems

7984

Unit incinerators

799**Ancillary items; repairing and altering transport systems**

7991

Ancillary systems

7997

Repairing and renovating existing transport systems

7998

Alteration work; demolishing and reconstructing transport systems

8 External

81 Retaining walls

811 Retaining wall construction

8111
In situ concrete footings and site retaining walls

8112
Concrete masonry retaining walls

8113
Concrete crib retaining walls

8114
Concrete segmental dry stack retaining walls

8115
Concrete pile retaining walls

8116
Precast concrete retaining walls

8118
Sprayed concrete retaining walls

812 Earth and stone retaining wall construction

8121
Reinforced earth walling

8122
Geosynthetic reinforced soil (GRS)

8125
Stone retaining walls

8126
Gabion retaining walls

813 Steel retaining wall construction

8131
Steel sheet piling retaining walls

8132
Steel pile retaining walls

814 Timber retaining wall construction

8141
Timber crib retaining walls

8142
Timber post retaining walls

8143
Timber pole retaining walls

8144

Timber log and sleeper retaining walls

815**Slope protection and erosion control**

8151

Slope protection and erosion control

8152

Earth and rockfall protection walls

8153

Riprap protection

817**Applied finishes to site retaining walls**

8171

Facings to site retaining walls

8172

Finishes to exposed site retaining wall faces

818**Miscellaneous retaining wall construction****819****Ancillary items; repairing and renovating retaining walls**

8191

Ancillary items

8197

Cleaning, repairing and renovating existing retaining walls

8198

Alteration work; demolishing and reconstructing retaining walls

82**Pavements**

821**Pavement bases and sub-bases**

8212

Sub bases to asphaltic sealing and paving

8213

Hardcore, granular and cement-bound bases and sub-bases to pavements

8215

Concrete bases and sub-bases to pavements

822**Pavement surfacing**

8222

Asphaltic concrete pavement surfacing

8223

Sprayed bitumen pavement surfacing

8224

Cement-bound earth pavement surfacing

8225

In situ concrete pavement surfacing

8226

Granular pavement surfacing

8227

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823**Segmental unit pavements**

8230

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8231

Interlocking brick and concrete block pavements

8232

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8233

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824**Edging, kerbs, gratings and gutters**

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Edgings, kerbs and gutters

8242

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826**Traffic control**

8261

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8264

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828**Pavement miscellaneous**

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829**Ancillary items; repairing and altering pavements**

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Ancillary items

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Alteration work; demolishing and reconstructing pavements

83**Landscape cultivation**

831**Site works**

8311

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Removing subsurface constructions

8313

Excavating for landscaping

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Filling for landscaping

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Permanent protection for planting

8318

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Soil surfacing

833**Plants and planting**

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Maintaining trees

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Metal fencing and barriers

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Composite fencing and barriers

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Masonry landscape walls

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Concrete landscape walls

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Natural stone landscape walls

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Cast stone landscape walls

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Gabbion stone landscape walls

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Composite landscape walls

845**Gates and turnstiles**

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Timber gates

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Metal gates

8453

Gates of composite construction

8457

Turnstiles

846**Street furniture and constructions**

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Interior landscape structures and plant containers

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849**Ancillary items; repairing and renovating landscape structures**

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Alteration work; demolishing and reconstructing landscaping structures

85**Landscape services**

851**Landscape water supply systems**

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Irrigation systems for landscaping

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Outdoor fountains and water features

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Irrigation systems for interior landscapes

852**Pools, spas, saunas and showers**

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Swimming pools and spas

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Swimming pool water systems

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Outdoor showers

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Decontamination showers

855**Landscape electrical**

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General power distribution for landscape

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Landscape lighting

858**Miscellaneous landscape services**

8581

Ducts and conduits for landscape services

859**Ancillary items; repairing and altering landscape services**

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Ancillary items

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Cleaning, repairing and renovating existing landscape services

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Alteration work; demolishing and reconstructing landscape services

86**Civil engineering infrastructure**

861**Earthworks and preparation**

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Bulk earthworks

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Stabilisation

862**Services - Public and non-public mains**

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Sewer mains

8623
Stormwater channels

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Subsoil and subsurface drainage

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Water mains

8626
Gas mains

8627
Electrical mains

8628
Communication services mains

8629
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863
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Sub basecourse and basecourse construction

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Mass concrete sub-basecourse construction

8633
Plain and reinforced concrete basecourse construction

864
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8641
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8642
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8643
Sprayed bitumen surfacing

8644
Bituminous cold mix surfacing

8645
Concrete roads and paving

8646
Loose metal roads and paving

867
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8671
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8674
Coffer dams

8675
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868
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8681
Rigid road safety barriers

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Non-rigid road safety barriers

8685
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Alteration work; demolishing and reconstructing engineering infrastructure

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881
Complete and kitset structures

8811
Complete structures

8812
Supply of kitset construction assemblies

8813
Erecting kitset construction assemblies

882
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8821
Complete glazed structures

883
Relocatable structures

8831
Proprietary relocatable structures

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Air-supported and pneumatic structures

8841
Air-supported structures

8842
Pneumatic structures

885**Membrane structures**

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Membrane tension structures

8852

Fabric roofing systems

889**Ancillary items; repairs and alterations to specialist structures**

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Ancillary items

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Cleaning, repairing and renovating existing specialist structures

8898

Alteration work; demolishing and reconstructing specialist structures

Work Sections

1**General****11****Contract conditions**

111**Conditions of contract**

- 1111 **General conditions**
 - 1112 **Specific conditions**
 - 1113 **Appendices**
 - 1114 **Contract agreement**
 - 1115 **Schedule of monetary allowances**
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112**Special conditions of contract**

113**Conditions of tender**

- 1131 **General conditions**
 - 1132 **Specific conditions**
 - 1133 **Appendices**
 - 1134 **Tender offer**
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Special conditions of tender

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Contract negotiation

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Drawings

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Specifications

12

General requirements

121

General requirements as a whole

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The Project

1221

Description of the work

Description of the work

A general description of the work to be undertaken and completed under the Contract

1222

Personnel

Personnel

The identity of the Principal and the professional consultants and other agents of the Principal responsible for the documentation and administration of the project

1223

Site description

A description of the site

A description of the site A legal description of the site A general description of the site A description of existing structures A description of existing services Data from site investigations

1224

Site features and restrictions

Site features and restrictions

Special aspects of the site and associated limitations Work carried out before the Contract works begin Access to the site and hours and conditions of work Use of the site by the Principal, including the occupation of buildings and the use of services Use of the site by the Contractor, including restrictions

1225

Work by others

Work by others

The Contract documents describe work which will be carried out by the Principal during the progress of the Contract under Separate Contracts with the Principal, and work to be carried out by statutory authorities as direct contracts with the Principal, and the relationship of these works to the work of the Contract

1226

Special requirements for the whole of the project

123

Documentation

- 1232 Interpretation & definitions**
Interpretation & definitions
 Approval Supply and fix
- 1233 Reference documents**
Documents referred to in the Contract Documents which describe type and quality of materials and workmanship, and construction items
 Standards Codes of practice Manuals Manufacturers' and suppliers' directions and recommendations
- 1234 Territorial authority documentation**
The preparation and submission of documentation required by territorial authorities, including any necessary modifications
 The preparation and submission of documentation required by territorial authorities, including any necessary modifications
- 1235 Monetary allowances**
Monetary allowances included in the Contract for carrying out specific or contingent work
 Prime cost sums/Net sums Provisional sums/Provisional allowances Contingency sum
- 1236 Shop drawings**
- 1237 Warranties/guarantees**
- 1238 As built documentation**
- 1239 Operation & maintenance**

124 Establishment

- 1241 Notices and approvals**
- 1242 Inspections**
Carrying out all necessary inspections of existing conditions
 Checking existing conditions, including lines, levels, profiles, as shown on the Contract Documents, for accuracy Checking work of previous contracts which have relation to the Contract Inspecting existing properties likely to be affected by the work of the Contract Recording existing conditions Reporting discrepancies to the Principal
- 1243 Site preparation**
Site work required as part of the establishment
 Set out and surveys Site investigations (see also 1223, 2215) Investigating and recording existing services
- 1244 Signage**
- 1245 Temporary construction**
Temporary construction required for carrying out the Contract
 Temporary accommodation buildings, including amenities blocks, with the necessary furniture and equipment Temporary fences, screens, hoardings and protective constructions Temporary surfaces Accommodation for the Principal's agents, staff and materials

1246 Items provided by others

Items provided by the Principal and others which are to be included in the Contract Works or to be installed by others in the Contract Works Items made available for use by the Contractor

Materials Labour Services Accommodation

1247 Traffic control

Temporary traffic controls and related temporary construction required for carrying out the Contract

Temporary on and off site traffic controls Temporary roads and crossings Temporary traffic controls and traffic management for construction purposes Temporary loading and parking areas Temporary vehicle washing

125**Temporary works and services**

1251 Temporary works**1252 Temporary services**

Services of any kind which are not part of the contract works but which are required for the execution of the contract works

Temporary services to be provided, including: - Power - Water - Compressed air - Fire protection - Drainage - Pumping Installation and operation of communication services, including telephones, facsimiles, paging, wired and non-wired systems Cleaning and rubbish removal on and off site (see also 1277)

1253 Scaffolding and shoring

The provision of scaffolding and temporary shoring required for the contract works

Scaffolding, guard rails, etc. Temporary shoring

1254 Care and protection

The provision of care and protection during the progress of the contract works

Care of the site Site security Temporary protection of the Contract Works

1255 Construction machinery, tools and vehicles

The provision of construction machinery, tools and vehicles needed for the work

Static cranes Mobile cranes Hoists and lifts Swinging stages Helicopters Major plant Non-consumable minor plant and tools Consumable minor plant Vehicles and parking Pumping and dewatering equipment Transport and cartage

1256 Waste management**1257 Temporary works and services, interiors**

Works and services of any kind which are not part of the contract works but which are required for the execution of the contract works related to an interiors only contract

Temporary works and services to be provided, including: - Protection of the existing building and services - Maintaining occupants operations and protection of occupants - Limitations on construction activities - Site security - Temporary protection of the Contract Works and temporary walls - Care of the site Cleaning and rubbish removal on and off site (see also 1277)

126**Project management**

1261 Meetings

All meetings on and off site, necessary for the management of the project

Organising meetings Notification, minutes, etc.

1262 Cost control

1263 Communicating and recording

All communications between those associated with the project and the recording of project activities

Communications between parties Records and photographs EDI Reports

1264 Programming

1265 Co-ordination and attendance

The co-ordination of all activities and attendance upon associated work

Co-ordination of all aspects of the project Co-ordination of work carried out by separate Contractors Co-ordination of work carried out under monetary allowances Attendance upon subcontractors and others involved in the project, including Separate Contractors Partnering and correlation

1266 Qualifications

1267 Health and safety

Meeting all legal requirements in regard to health and safety

Protective clothing and equipment General management of health and safety First aid and site treatment facilities

127

Construction

1271 Quality control and assurance

1272 Noise and nuisance

The control of noise caused by construction activities and from other sources. The control and avoidance of nuisance

Control of noise Control of dust, earth droppings, etc. Control of waste water Control of nuisance Control of vermin Use of blasting

1273 Set out

1274 Execution

Matters related directly to carrying out the work

Compliance with codes of practice and recommended techniques and practices Quality of work Accuracy of construction Examination of previous work before proceeding Working to dimensions and tolerances Rectification of accidental damage

1275 Materials

The quality, use and storage of materials used in the project

Quality of materials and evidence of conformity Compliance with manufacturers' and suppliers' requirements Substitution of alternative materials Storage and protection

1276 Samples

1277 Final presentation and cleaning

The preparation of the Contract Works for final presentation

Final cleaning and waste removal
Functioning of all operable systems and items
Security prior to and at handover
User training
Progressive and/or final handover

1278 Commissioning

1279 Spares

The provision of spares and requirements for on-going operation

The provision of spares as specified, with full documentation regarding location of use and installation

128

Financial administration

1281 Consent fees

All fees and charges due to authorities

Fees and charges
Consents
Levies
Contributions

1282 Indirect costs

Indirect costs associated with the works

Compliance with Acts and Regulations
Insurances and care of the works
Finance
Performance bonds
Manufacturers and suppliers bonds
Labour procurement
Legal fees
Consultant services
Site security
EDI
Accommodation and travel expenses
Taxes
Sundries and expenses

1283 Financial adjustment

Costs associated with adjusting the Contract Sum

Adjustment of preliminaries
Prime cost sums/Net sums
Provisional sums/Provisional allowances
Provisional quantities
Contingency sum
Variations
Fluctuations
Daywork
Costs arranging payment for off-site items

1284 Financial predictions

The prediction of claims and other financial matters

Schedule of predicted claims for payments
Preparation of financial graphs and charts

2

Site

21

Demolition

211

Demolition

2111 Demolishing complete structures to ground level

Demolishing to ground or general surface level complete structures, including services, fixtures and finishes, setting aside, removing and disposing of demolished and surplus materials

Demolishing structures to ground level, including contents
Setting aside demolished material required for reuse
Removing and disposing of surplus demolished materials
Taking appropriate measures to deal with buildings of special construction

2112 Partial demolition

Partial demolition of structures to ground level or demolition of parts of buildings, including interiors and facades, to prepare for retrofitting

Partial demolition of structures to ground level, including contents
Demolishing facades and interiors
Providing temporary structural support as necessary to the structure remaining
Protecting parts of buildings left exposed when partial demolition occurs, against nuisance, weather, intrusion, etc.
Setting aside and storing items for reuse
Removing and disposing of surplus demolished materials

212**Preparation before demolition**

2121 Decommissioning, diverting and maintaining building services**Decommissioning building services prior to and during demolition and diverting building services to maintain services as required**

Decommissioning all services prior to demolition and progressively during demolition Diverting building services to maintain supplies and services Sealing off all services to the requirements of the supply authorities

2122 Removing specified items**Removing specified items prior to demolition of structures**

Removing specified materials and components from structures prior to their demolition Taking items removed into store and holding until subsequent reuse Handing over to the Principal specified removed items Repairing removed items as specified

2123 Encapsulating or removing and disposing of hazardous substances**Encapsulating or removing and disposing of toxic and/or hazardous substances in/from existing buildings**

Removing toxic and hazardous materials and components prior to demolition Encapsulation of substances which are to remain in position Sealing against the escape of the toxic and hazardous substances during encapsulation or removal Disposal of substances removed

2124 Protecting structures and site**Protecting structures on and off site and protecting roads, paths and vegetation for the duration of the Works**

Protecting structures on site Protecting structures off site Protecting services Protecting roads and paths Protecting vegetation

213**Support for structures**

2131 Permanent shoring**Permanent shoring and supports to existing structures on and off site, which are to remain in place at the conclusion of the Contract**

Tubular, timber and steel scaffolding in - dead, raking, flying or box shores - strutting and bracing - slab jacking - sole plates and wall plates - needles, including holes - brackets, blockings and similar metalwork Wedging and pinning Concrete, grillage or other foundations for shores

2132 Retaining existing facades**Retaining facades of structures which are otherwise to be demolished and maintaining the facades until incorporated into a new structure**

Retaining facades and their associated structures during demolition of other parts of the structure Providing the required supporting framework to support the facades Temporarily protecting facades from damage

2133 Temporary support to existing structures**The temporary support of houses and similar existing structures during lifting for the construction of alterations and for re-piling**

Preparation, safety and site management Demolition and salvage Jacking up and support Lowering and removal of supports

214**New work**

2141 Reinstatement after demolition**Reinstatement and new construction to existing buildings, of limited scope, to be carried out after demolition**

Weatherproofing facades and surfaces of existing buildings on site, left exposed by demolition
 Weatherproofing facades and surfaces of existing buildings off site, left exposed by demolition
 New construction, of limited scope, within existing buildings, carried out after demolition

215 Relocation**2151 Relocation of houses****The moving of houses and similar existing structures from an existing site to a new site, temporary support during lifting and lowering, transportation and relocation, re-establishment on new site**

Preparation, safety and site management for both sites
 Disconnection of services existing site, of limited scope
 Foundations and piles on new site, of limited scope
 Jacking up and support
 Transportation
 Lowering and support
 Connecting services new site, of limited scope
 Making good, of limited scope

22 Preparation and groundwork**221 Site investigation****2210 Preparation and groundwork****2215 Site investigation****Excavating and/or drilling to determine strata and ground water levels, taking samples, performing site and laboratory tests to obtain appropriate site information**

Excavating and testing to determine the location, levels and nature of all existing site services
 Trial pits, trenches, etc.
 Mechanical boring and drilling
 Hand auger boring
 Determining and recording the levels of all strata
 Taking disturbed and undisturbed samples
 Laboratory tests for mechanical properties of subsoil material
 Laboratory tests for harmful chemicals, substances, radiations, etc.
 Field tests, e.g.: - penetration tests - bearing tests - Menard pressure meter tests - static sounding tests
 Determining ground water levels, flows, quality
 Notifying and seeking evidence of any archaeological sites
 Seeking evidence of seismic faults and slips and settlements
 Interpreting results of all tests and investigations

222 Site preparation**2221 Removing vegetation****Removing and disposing of vegetation on site**

Applying herbicide as necessary
 Removing and disposing of general vegetation and trees
 Setting aside vegetation for replanting

2222 Grubbing out roots**2223 Removing subsurface constructions****2224 Site dewatering****Temporarily lowering the ground water level over the whole or parts of the site to facilitate construction, the work being executed by a specialist firm or by the General Contractor**

Forming well points and relief wells
 Gravel or other filling and sand drains
 Wick drains
 Installing and removing drain tubes and ring mains
 Excavating sumps
 Temporary diversion of waterways and surface drainage
 Pumps and pumping
 Off site disposal of water

223**Ground consolidation**

2231 Ground preconsolidation

Placing excavated material, ballast or other material upon the ground surface as preloading, to achieve consolidation

Placing excavated material from the site in specified areas to the required depths Placing imported material to the required depth in specified areas

2232 Mechanical ground stabilization

Stabilizing and/or improving the bearing capacity and slip resistance of existing ground by means of geotextile stabilization, dynamic compaction, vibroplacement, power vibration, sand stowing and other mechanical methods

Geotextile stabilization Dynamic compaction Vibroplacement Power vibration Sand stowing

2233 Chemical ground stabilization

Stabilizing and/or improving the bearing capacity and slip resistance of existing ground by cementitious admixtures, injections and electro-chemical methods

Cement and/or lime admixtures incorporated into the ground Binding agents injected into voids in the ground Electro-chemical stabilization

224**Excavating and backfilling**

2241 Excavating and filling

Excavating to required levels and general filling

Removing material placed to achieve preconsolidation Excavating to required levels Dealing with unforeseen atmospheric, environmental and surface conditions Breaking out existing hard paving Notifying archaeological finds and items of value Benching sloping ground to receive filling Excavating to form pits and trenches, including excavation for trenches shared by building services Consolidating bottoms of excavations Keeping excavations free of water, including diversion of surface water Making stockpiles of excavated materials Disposing of surplus and non-reusable excavated material Consolidating and compacting general excavated surfaces Filling to required levels and surfaces with excavated material and/or imported material Consolidating and compacting filling to achieve required levels and densities

2242 Backfilling

Backfilling to construction

Backfilling to pits and trenches after construction is complete Backfilling against constructed work with specified material, including installing protective sheeting where carried out as part of the backfilling Consolidating and compacting backfilling and finishing to required levels

2243 Removing subsurface constructions

Breaking out and removing subsurface constructions including site encroachments

Breaking out subsurface constructions, including pits, etc., and all associated services Making safe and removing underground tanks, including supports and holding down attachments Setting aside or disposing of material removed

2244 Site surfacing

Surfacing to the site

Aggregate surfacing to the site where required, including consolidation Blinding aggregate surfacing with fine material Sand or other surfacing to the finished levels Covering the ground surface where required with vapourproof sheeting, held in place Sand levelling bed under underlays

225**Damp-proofing to site platforms**

Underlays of sheet plastics to prevent loss of matrix and to act as a damp-proofing membrane to slabs on grade, foundation walls and thickened edges to slabs

Asphalt/bitumen underlays Underlays of drainage cell sheeting to relieve hydrostatic pressure Termite barrier underlays Sand levelling bed under underlays

226**Insulation to site platforms****Board or other insulating underlays**

Board or other insulating underlays

23**Foundations**

231**Piling**

2311**Cast in place concrete piling****Cast in place concrete piles to provide support to the site and for the superstructure**

Test piles Holes for piles formed by boring or by driving shells, including belling Proving bores to establish founding levels Cast-in-place concrete piles, including post-tensioned piles Temporary or permanent lining to bored holes Lagging laid between or behind piles Cutting piles to length Disposing of surplus excavated and other material Non-fixed work (see Explanatory notes)

2312**Driven precast concrete piling****Driven precast concrete piles to provide support to the site and for the superstructure**

Test piles Proving bores to establish founding levels Driven precast concrete piles, including prestressed and hollow section piles Lagging laid between or behind piles Cutting piles to length Disposing of surplus excavated and other material Non-fixed work (see Explanatory notes)

2313**Driven steel piles****Driven steel piles, including steel sheet piling, to provide support to the site and for the superstructure**

Test piles Proving bores to establish founding levels Driven steel piles, including sheet piling Lagging laid between or behind piles Cutting piles to length Disposing of surplus excavated and other material Non-fixed work (see Explanatory notes)

2314**Screwed steel piles****Screwed steel piles to provide support to the site, footings and the superstructure**

Test piles Excavation for piles Screwed steel piles Disposing of surplus excavated and other material Non-fixed work (see Explanatory notes)

2315**Composite piles****Composite piles of steel and concrete, to provide support to the site and for the superstructure**

Test piles Holes for piles formed by boring or by driving shells Proving bores to establish founding levels Composite piles of steel and concrete Temporary or permanent lining to bored holes Lagging laid between or behind piles Cutting piles to length Disposing of surplus excavated and other material Non-fixed work (see Explanatory notes)

2316**Driven timber piles and poles****Driven timber piles to provide support to the site and for the superstructure**

Test piles Proving bores to establish founding levels Driven timber piles Lagging laid between or behind piles Cutting piles to length Disposing of surplus excavated and other material Non-fixed work (see Explanatory notes)

232**Pole, post and block footings**

2321 Timber pole foundations**Timber poles forming foundations for constructions**

Boring for poles Setting poles in bored holes, with or without lining, on in situ or precast concrete pads
Compacting around pile and providing concrete filling and collar Concrete sealing against pole at ground level
Cutting off excess length to top of poles Fitting termite shields Non-fixed work (see Explanatory notes)

2322 Precast concrete block footings**2323 Timber posts and blocks****2324 Steel jack studs**

233**Underpinning**

2331 Underpinning**Inserting additional foundation support under and around existing footings and constructions**

Excavating below and around existing footings Needles, toms and other temporary supports to the existing structure Underpinning of steel grillages, concrete, brickwork and/or blockwork to support existing footings
Wedging and jacking Concrete injection minipiles Installing and protecting waterproofing to existing structures
Cutting away existing foundations as required Necessary associated backfilling

234**Specialist construction**

2341 Diaphragm construction**In situ concrete poured using a displacement system to form footings and walls**

Placement of reinforcement and ancillaries in excavated pit or trench Filling excavation with bentonite or similar slurry
Pouring concrete to displace the slurry

2342 Pressure injected footings**2343 Ground anchors**

235**Pest control**

2351 Pest control

236**Foundation walls and footings**

2361 Concrete strip footings**2362 Concrete masonry foundation walls****Discrete concrete masonry foundation walls of specific or non-specific design, forming foundations for light framed buildings**

Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility
Mortar Hollow concrete blocks of all types Cementitious filling and grouting of cores and beam blocks
Reinforcement Provision for concrete slabs Dpc's, termite shields Cleaning down Anchors, cramps, dowels, restraining members
Movement joints and fillers Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility
Provision for framing elements
Accessories, vents, sills, lintels, etc., built into the blockwork Forming and cutting blockwork

239**Ancillary items; repairing and altering foundations**

2397 **Repairing and renovating foundations****2398** **Alteration work; demolishing and reconstructing foundations****24****Minor demolition and alterations**

241**Minor alteration work**

2411 **Minor alteration work****Minor alteration work, but which can involve several trades, including building services, in demolishing, altering, adapting and or repairing existing buildings**

Minor work of a highly specialized nature Work which is neither sufficiently extensive nor similar in character to new work to be included in the appropriate Work sections in other Groups Work which can be most appropriately described in narrative Minor work where several trades may be involved, which would be inappropriate to separate into multiple Work sections Minor work of a complex or special nature, not similar in character to new work included in appropriate Work sections

3**Structure****31****Concrete**

311**Formwork and reinforcement for concrete**

3111 **Formwork for in situ concrete****Temporary or permanent formwork of any shape or material, except where specifically excluded below, including linings and features of all kinds fixed into formwork to produce decorative finishes, chases, grooves, holes, etc.**

Temporary or permanent formwork to foundations, bases, pile caps, beds, slabs, waffle and troughed slabs, beams, casings, strings, steps and staircases, walls, projections, cornices, pilasters, columns, mortices, boxings, etc. Filler blocks and units of concrete, timber, plastics, terra-cotta, etc., placed in formwork Slip formwork Formed plastics formwork to wallings Forming ducts and anchorages for post-tensioned concrete Fair face surfaces Features fixed into formwork to produce special finishes Linings, tubes, pipes, etc., left in place as special finishes Linings, including expanded steel mesh, left in to form key for finishes Collapsible board permanent formwork for use in clay-heave conditions, including sand bed and plastic sheeting Fillets and features fixed to formwork to form grooves, chases, holes, etc. Ties and all supports to formwork Retarding agents, mould oils, release agents and other coatings Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

3112 **Reinforcement for in situ concrete****Supplying and fixing all types of bar, mesh and fabric reinforcement for in situ concrete, except where specifically excluded below**

Supplying steel, galvanized steel, steel with protective coating, stainless steel, glass, plastics, etc., bar and fabric reinforcement, expanded metal, wire and fabric wrapping, cut, bent and fabricated for fixing in position Fixing bar, mesh and fabric reinforcement of all types in position, including tying wire, distance blocks, spacers, chairs, etc., and welding and/or mechanical jointing of reinforcement

312**In situ concrete**

3121 In situ concrete**In situ concrete in footings, concrete structural frame including slabs and walls, fully supported slabs, protective encasing, mass concrete and in all other items forming part of the building fabric**

Concrete of all types including additives and fibre reinforcing Pile caps Footings supported on piles and/or substructure and on the ground and/or on integral short bore and screwed piles supporting ground beams and slabs Columns, beams, slabs, walls, domes, shells, staircases, retaining walls, etc., which form the concrete frame and structure including items to be post-tensioned Slabs, including floating and wearing slabs Slabs in which water piping and electric heating cabling is enveloped Bases for tanks, machinery, etc., and other fully-supported items of in situ concrete Naturbetong Mass concrete on grade as a base for tanking Mass concrete as a working base Accessories cast into the concrete, including bolts and other fixings, boxes, recesses, keyed slots, grooves, welding plates and other items Construction joints including water stops Movement and control joints Joint fillers Metal and plastics cast into edges of construction and movement joints Self-aligning flexible expansion joint covers Off-form finishes to specification or New Zealand Standard Compacting, curing and protection to in situ concrete 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)

3122 Sprayed concrete**Suitable types and mixes of concrete applied by spray or gun against earth, formwork or other surfaces**

Concrete of all types, including additives and fibre-reinforcing Spray or gun application Accessories cast into the concrete Movement and construction joints including supplying and building in all associated accessories Curing and protecting concrete 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)

3123 Surface finishes to set in situ concrete**Surface finishes produced by working the surface of set in situ concrete**

Modifying the surface of set in situ concrete by hammering, hacking, grinding, cutting, abrasive blasting, chemical treatment, etc., to produce a textured surface finish Non-fixed work (see Explanatory notes)

3124 Surface finishes to wet in situ concrete**Finishes produced by working the face of in situ concrete before the final set has taken place**

Finishes to concrete formed by means other than formwork, formwork linings or insets, or retarding agents, etc. Aggregate transfer Vacuum dewatering Addition to the concrete surface of granolithic mixtures, metallic hardeners, non-slip compounds, etc. Floating, trowelling, scoring, brooming, tooling Pattern imprinting Surface washing, etc. Applying surface hardeners Curing Non-fixed work (see Explanatory notes)

3125 Grout**Grout to joints, holding down bolts and fixings and under base plates and bearings**

Cementitious grout Resin grout

3126 Vibration and seismic isolators**Underlays and supports under slabs and bases to isolate against vibration transmission and seismic forces**

Underlays of quilts and blankets laid on concrete or other structural substrate Vibration-isolating supports placed on concrete or other structural substrate Elastomeric base isolators, installed between footings and structural frame Pneumatic isolators

3129 Concrete production

313**Precast concrete and GRC items, supply**

3131 Precast concrete, supply**Precast concrete items for use as structural members, including supply and delivery**

Concrete of all types for the construction of precast concrete structural items, with required additives, fibres etc. Precast and prestressed precast concrete items to form columns, beams, stairs, trusses, frames, composite units, etc., with all integral connections Precast concrete items, prepared for post-tensioning Precast and precast prestressed concrete to form slabs, beam shells, etc., to act as permanent formwork Aerated autoclaved concrete (AAC) items, including floor and wall slabs Precast concrete helical stairs and structural stair flights Formwork, including fair face formwork Reinforcement of all types, including prestressing reinforcement Insulation incorporated into precast items Accessories and fixings, including accessories supplied and placed as part of the work of other Work sections, cast into the items Surface finishes Compacting, curing and protecting poured concrete Forming openings in the units in positions located by other Work sections, including building in sleeves Delivery of units to the site Non-fixed work (see Explanatory notes)

3132 Precast concrete non-structural items, supply**Precast concrete non-structural items, including reconstructed stone items, supplied for use as cladding, decorative items, etc.**

Concrete of all types, including aggregate for reconstructed stone items, for the construction of precast concrete non-structural items, with required additives, fibres, etc. Cladding panels Factory applied surface finishes: coatings, stone, brick, ceramic tile etc Slab panels for partitions Purpose-made wall linings, slabs, tiles, etc. Stair treads, supported on strings and landings or cantilevered from supports, including non-slip, textured, exposed aggregate, terrazzo, etc. surface finishes Purpose-made lintels, and voussoirs, quoins, sills, corbels, hearths, copings, etc. Engraved or modelled plaques and panel Decorative columns, copings, balustrading and similar items Formwork, including fair face formwork Reinforcement of all types Accessories and fixings including accessories supplied and placed as part of the work of other Work sections, cast in Surface finished Compacting, curing and protecting poured concrete Forming openings in the units in positions located by other Work sections, including building in sleeves Delivery of units to the site Non-fixed work (see Explanatory notes)

3133 Glass reinforced cement (GRC) items, supply**Glass reinforced cement (GRC) for use as cladding and linings, constructed off site**

GRC panels, constructed of a cement/sand matrix with polymer and other additives, reinforced with glass fibre, forming external cladding panels and internal linings GRC sandwich panels incorporating insulating materials Decorative features formed of GRC Integral surface finishes to GRC Factory applied surface coatings Formwork Accessories and fixings cast in Curing and protection Forming openings in GRC units, located by other Work sections, including building in sleeves Delivery of the units to the site Non-fixed work (see Explanatory notes)

314**Precast concrete and GRC items, installation**

3141 Precast concrete structural items, installation**The installation of precast concrete structural items**

Installation of precast and prestressed precast items to form part of the structural frame of the building Installation of precast concrete permanent formwork which forms part of the structure Installation of AAC structural items, including floor and wall slabs Installation of helical stairs, stair flights, etc.

3142 Precast concrete non-structural items, installation**The installation of precast concrete non-structural items, including reconstructed stone items**

Installation of precast concrete cladding panels Installation of precast concrete and reconstructed stone stair treads and other purpose-made and decorative items

3143 Glass reinforced cement (GRC) items, installation

315**Composite construction**

3151 Composite construction of in situ concrete and permanent formwork

Flooring systems with permanent formwork, structural or non-structural, topped with in situ

concrete

Profiled metal sheeting permanent formwork, with connectors and studs and fixing to supporting structure, acting as a tension component of the in situ concrete Permanent proprietary formwork (not precast concrete) In situ concrete placed on profiled metal sheeting or proprietary formwork Compacting, curing, and protecting in situ concrete Accessories and fixings cast into the concrete Movement and construction 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)

3152 Composite construction of in situ and precast concrete**Composite construction of in situ and precast concrete, forming the frame, walls, slabs, columns, trusses of the building fabric**

Installation of precast concrete members of all types including prestressed members, with reinforcing and other connections for incorporation into in situ concrete, including slabs, beams, beam shells, ribs and filler units of concrete, timber, plastics, terra-cotta, etc., acting as permanent formwork In situ concrete, placed to form part of the concrete frame and to integrate the precast members into the concrete frame Compacting, curing and protecting in situ concrete Accessories and fixings cast into the concrete Movement and construction 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)

3153 Tilt-up, lift slab and other composite constructions**Tilt-up, lift slab and similar constructions where precast units to form walls and floors are attached to a pre-erected structural frame or are interconnected**

Structural steel, stainless steel, precast concrete or in situ concrete or a combination of these construction methods to form a structural frame Precast concrete walls, poured on site Precast concrete slabs, poured on site Insulation incorporated into the concrete items Installation of proprietary precast concrete units, constructed off site, to form walls and floors, stairs and other items, within the tilt-up or lift slab structure Slab jacking and wall-tilting Steel brackets, ties and anchors Compacting, curing and protecting in situ concrete Accessories and fixings cast into the concrete Movement and construction 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)

3154 Post-tensioning concrete construction**Post-tensioning of in situ concrete, precast assemblies and composite construction of in situ and precast concrete**

Installation of precast concrete units, cast with anchorage pockets Reinforcement, including anchors and accessories Post-tensioning the construction Grouting up ducts, trimming of exposed reinforcement, etc. In situ concrete as required to complete the work Compacting, curing and protecting in situ concrete Accessories and fixings cast into the concrete Movement and construction 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)

316**Light weight concrete construction****3161 In situ light weight concrete****In situ light weight concrete items forming part of the building fabric**

Light weight concrete of all types including additives and fibre reinforcing Slabs, walls, domes, shells etc., which form part of the concrete structure Slabs, including floating slabs Slabs in which water piping and electric heating cabling is enveloped Minor items forming part of the building frame Mass concrete filling, blinding and make-up to excess foundation excavations Mass concrete on grade as a base for tanking Mass concrete as a working base Accessories cast into the concrete, including bolts and other fixings, boxes, recesses, keyed slots, grooves, welding plates and other items Construction joints Movement and control joints Joint fillers Metal and plastics cast into edges of construction and movement joints Off-form finishes to specification Compacting, curing and protection to light weight in situ concrete 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)

3162 Precast light weight concrete, installation**The installation of precast light weight concrete structural and non-structural items**

Installation of light weight precast items to form part of the structure of the building Installation of light weight precast concrete permanent formwork which forms part of the structure Installation of AAC structural items, including floor and wall slabs Installation of non structural light weight precast concrete cladding panels Installation of light weight precast concrete as non-structural purpose-made and decorative items

3163 Composite light weight concrete construction**Composite construction of in situ and precast concrete including light weight concrete, forming the frame, walls, slabs, columns, trusses of the building fabric**

Installation of light weight precast concrete members of all types, with reinforcing and other connections for incorporation into in situ concrete, including slabs, beams, beam shells, ribs and filler units acting as permanent formwork In situ concrete, placed to form part of the concrete frame and to integrate the light weight precast members into the concrete frame Compacting, curing and protecting in situ concrete Accessories and fixings cast into the concrete Movement and construction 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)

318**Concrete construction - Miscellaneous**

3181 Chemical anchoring

319**Ancillary items; repairing and altering concrete construction**

3191 Ancillary items**3197 Cleaning, repairing and renovating existing concrete construction****3198 Alteration work; demolishing and reconstructing concrete construction****32****Earth**

321**Poured earth construction**

3211 Poured earth construction - Formwork**Formwork for poured earth construction**

Temporary and permanent formwork to poured earth construction, with all ties and supports Formblock formwork Fillets and features to form grooves, chases, 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)

3212 Poured earth construction - Reinforcement**Reinforcement of all types for poured earth construction**

Reinforcement of all types and materials Placing and securing reinforcement in position Non-fixed work (see Explanatory notes)

3213 Poured earth construction - Dpc's and underlays**Underlays and damp-proof courses to poured earth construction**

Underlays and damp-proof courses of sheet plastics Underlays and damp-proof courses of stone and

fired clay Forming openings in the underlays and damp-proof courses for services to suit subcontractor and General Contractor responsibility

3214 Poured earth construction

Earth, with or without cementitious or other admixtures, and reinforcement, placed and consolidated into formwork, including all accessories

Earth mixes of all types, poured into place Compacting, curing and protecting Movement joints and keyways, grooves and chases Accessories cast into the poured earth 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)

3215 Poured earth construction - Surface treatment

Surface treatment to poured earth construction, either to produce a key for subsequent finishes or a finished surface

Finishing horizontal surfaces to smooth finish Working off-form surfaces to provide textured surfaces

322

Rammed earth construction

3221 Rammed earth construction - Formwork

Formwork for rammed earth construction

Temporary and permanent formwork to rammed earth construction, with all ties and supports Fillets and features to form grooves, chases, 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)

3222 Rammed earth construction - Reinforcement

Reinforcement of all types for rammed earth construction

Reinforcement of all types and materials Placing and securing reinforcement in position Non-fixed work (see Explanatory notes)

3223 Rammed earth construction - Dpc's and underlays

Underlays and damp-proof courses to rammed earth construction

Underlays and damp-proof courses of sheet plastics Underlays and damp-proof courses of stone and fired clay Forming openings in the underlays and damp-proof courses for services to suit subcontractor and General Contractor responsibility

3224 Rammed earth construction

Earth, with or without cementitious construction or other admixtures, and reinforcement, placed and consolidated into formwork, including all accessories

Earth mixes of all types, rammed into place Compacting, curing and protecting Movement joints and keyways, grooves and chases Accessories cast into or fixed to the rammed earth 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)

3225 Rammed earth construction - Surface treatment

Surface treatment to rammed earth construction, either to produce a key for subsequent finishes or a finished surface

Finishing horizontal surfaces to smooth finish Working off-form surfaces to provide textured surfaces

329

Ancillary items; repairing and altering earth construction

3297 Cleaning, repairing and renovating earth construction

3298 Alteration work; demolishing and reconstructing earth construction**33
Masonry****331
Brickwork****3311 Brickwork**

Brickwork consisting generally of bricks laid in courses on a mortar bed to form structural walls of reinforced brick masonry (RBM), chimneys, columns, piers, partitions, plinths, boiler and equipment seatings, etc.

Brickwork of clay bricks, concrete bricks and calcium silicate bricks of all types Special shape bricks, including grooved bricks for services Specially faced bricks Walls laid in bonds and with surface patterns Chimney stacks, flues and flue linings Purpose-made centring and formwork Cementitious filling to cavities Mortar, pointing materials Bagging Accessories, thresholds, sills, lintels, etc., built into the brickwork Reinforcing steel Reinforcement Wall ties, anchors, cramps, dowels, restraining members Flexible dpc's, slate dpc's, termite shields Metal dpc's built in and extended out as flashing over sloping surfaces Cavity trays formed from flexible sheet dpc material Preformed cavity trays Cavity wall ventilators, fire barriers, weepholes Cavity bridging ducts Flue terminals Members to provide seismic restraint to panels Movement joints and fillers Forming and cutting brickwork Cleaning down 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)

**332
Concrete blockwork****3321 Hollow concrete blockwork**

Blockwork consisting of hollow concrete blocks laid in courses on a mortar bed to form structural and non-structural walls, including retaining walls, partitions, plinths, columns, etc.

Hollow concrete blocks of all types Hollow concrete blocks incorporating a layer of insulation Special shape blocks Specially faced blocks Blocks with knock-out and cut-out sections Chimney stacks and flues Lintels Purpose-made centring and formwork Reinforcement Mortar Cementitious filling and grouting of cores and beam blocks Accessories, thresholds, sills, lintels, etc., built into the blockwork Anchors, cramps, dowels, restraining members Dpc's, termite shields Metal dpc's built in and extended out as flashing over sloping surfaces Cavity trays formed from flexible sheet dpc material Movement joints and fillers Forming and cutting blockwork Cleaning down 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)

3322 Concrete-filled hollow plastics blockwork

Blockwork consisting of expanded polystyrene hollow plastics blocks, laid in courses with interlocking horizontal and butt vertical joints, with bar reinforcement and with interstices filled with concrete as required

Hollow plastic blocks of all types Blocks of special shapes Reinforcement Cementitious filling and grouting of interstices Formwork to openings, including purpose-made formwork Movement joints and fillers Dpc's, termite shields Accessories, thresholds, sills, etc., built into the blockwork 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)

3323 Solid concrete blockwork

Blockwork constructed of solid concrete or aerated autoclaved concrete blocks, laid in courses to form structural walls

Solid concrete blocks of all types Aerated autoclaved concrete solid blocks of all types (AAC) Special shape blocks Specially faced blocks Chimney stacks and flues Purpose-made centring and formwork Reinforcement Mortar Accessories, thresholds, sills, etc., built into the blockwork Anchors, cramps,

dowels Dpc's, termite shields Cavity trays formed from flexible sheet dpc material Movement joints and fillers Members to provide seismic restraint to panels, fixed to structural frame Forming and cutting blockwork 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)

3324 Lightweight concrete blockwork

333 Fired-clay blockwork

3331 Fired-clay blockwork

Blockwork consisting of fired-clay blocks laid in courses on a mortar bed to form structural and nonstructural walling, skins of cavity wall construction, facing walls, partitions, etc.

Clay blocks of all types Special shape blocks, including grooved blocks Specially faced blocks Purpose-made centring and formwork Mortar Accessories built into the blockwork Dpc's, termite shields Movement joints and fillers Members to provide seismic restraint to panels, fixed to structural frame Forming and cutting blockwork 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)

334 Mineral blockwork

3341 Mineral blockwork partitions

Partitions of gypsum, barium and similar blockwork of non-loadbearing construction

Mineral blocks of all types Special shape blocks Purpose-made centring and formwork Accessories built into or fixed to the blockwork Proprietary and non-proprietary lintels, sills, etc. Movement joints and fillers Members to provide seismic restraint to panels, fixed to structural frame Forming and cutting blockwork 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)

335 Earth masonry

3351 Unfired earth masonry

Earth masonry consisting generally of unfired blocks and bricks, including pressed bricks, made of clay and other earth materials, with or without reinforcement and bituminous, plastics or cementitious binders, laid in courses to form structural and non-structural walls, partitions, etc.

Unfired earth blocks and bricks of all types Special shape blocks and bricks Purpose-made centring and formwork Accessories built into or fixed to the earth masonry Dpc's, termite shields Movement joints and fillers Forming and cutting earth masonry 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)

336 Straw bale construction

3361 Straw bale walling

339 Ancillary items; repairing and altering masonry

3391 Ancillary items

3397 Cleaning, repairing & renovating existing masonry

Cutting out, cleaning, repairing and renovating existing masonry, including treating rising damp
Cutting out decayed, defective and cracked masonry Inserting new masonry Repairing reconstructed and

plastic masonry Re-dressing masonry to new profiles Removing efflorescence Removing dirt and graffiti
 Treating rising damp by chemical methods Inserting new damp-proof courses Inserting new wall ties
 Repointing Artificial weathering

3398 Alteration work; demolishing and reconstructing masonry

34 Steel

341 Structural steel

3411 Structural steelwork

Fabrication and erection of structural steelwork either as the structural frame for the whole or part of a building or as general structural supports

Fabricating and erecting structural steel using rolled, hollow, folded and pipe sections, plate, wires, cables, - rods and bars, to form: - fabricated beams and members - trusses - space frames - domes - structural framework Concrete-filled members Water-filled constructions Openable and sliding roof framework Structure to support glazed vaulting, arcading and roof lights Holding down assemblies with templates Bedding into concrete footings Fabrication and erection including cutting, welding, drilling, riveting, bolting, both off site and on site Proprietary fixing bolts and systems, including all drilling required in concrete and masonry, together with cement or resin grouting 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)

3412 Steel minor structural members and supports

Minor structural members and supports of steel

Industrial patent glazing bars Isolated steel members providing support in light timber and light metal framing and in timber structural framing Structural grid at suspended ceiling level to support equipment mounted overhead or at suspended ceiling level Individual supporting units fixed to the structural slab or beams, to support items of equipment mounted at, above or below suspended ceiling level Tank and equipment stands Lift and runway beams Steel purlins and girts Steel straps as structural supports Eye bolts and hangers

342 Steel framing

3421 Light steel framing

Light framing, principally of steel sections, the sections framed together to form structural and nonstructural assemblies of floors, walls, spandrels, partitions, trusses, beams, etc., forming part or all of the frame of a building, fabricated off and/or on site

Cold rolled steel sections Hollow steel sections Steel plate Steel wires Aluminium extruded, drawn and folded sections Timber minor components Insulation components/separators Fabrication and erection including cutting, welding, clipping, drilling, riveting, bolting, both on site and off site Holding down bolts and fixing devices, including drilling in concrete and masonry Sheet bracing fixed as part of the 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 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

3422 Steel pipe framing

Steel pipe as framing for partitions, walls, etc.

Steel piping, with joints welded and/or clamped, secured to the building structure or fabric to form partitions, wall framing, etc. Holding down bolts and fixing devices, including drilling in concrete and masonry 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)

343**Steel floors**

3431 Steel floors**Steel floors, including associated steel supports**

Flooring of sheet steel, chequer plate, perforated and textured sheet, fabricated grille units, etc. Supporting steel structure where an integral part of the flooring Walkways and catwalks of solid sheet steel, grille flooring, etc., on top of roofs, decks, etc. 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)

349**Ancillary items; repairing and altering steel construction**

3491 Ancillary items**3497 Cleaning, repairing and renovating existing steelwork****3498 Alteration work; demolishing and reconstructing steelwork**

35**Stainless steel**

351**Structural stainless steel**

3511 Structural stainless steelwork**Fabrication and erection of structural stainless steelwork either as the structural frame for the whole or part of a building or as general structural supports**

Fabricating and erecting structural stainless steel using rolled, hollow, folded and pipe sections, plates, wires, - cables, rods and bars, to form: - fabricated beams and members - trusses - space frames - domes - structural framework Concrete-filled members Water-filled constructions Openable and sliding roof framework Structure to support glazed vaulting, arcading and roof lights Holding down assemblies with templates Bedding into concrete footings Fabrication and erection including cutting, welding, drilling, riveting, bolting, both off site and on site Proprietary fixing bolts and systems, including all drilling required in concrete and masonry, together with cement or resin grouting 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)

3512 Stainless steel minor structural members and supports**Minor structural members and supports of stainless steel**

Industrial patent glazing bars Isolated members providing support in light timber and light metal framing and in timber structural framing Stainless steel purlins and girts Stainless steel straps as structural supports Eye bolts and hangers

352**Stainless steel framing**

3521 Light stainless steel framing**3522 Stainless steel pipe framing**

353

Stainless steel floors

3531 Stainless steel floors

Stainless steel floors, including associated stainless steel supports

Flooring of sheet stainless steel, chequer plate, perforated and textured sheet, fabricated grille units, etc. Associated supporting stainless steel structure where an integral part of the flooring Walkways and catwalks of solid sheet stainless steel, grille flooring, etc., on top of roofs, decks, etc. 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)

359

Ancillary items; repairing and altering stainless steel construction

3591 Ancillary items

3597 Cleaning, repairing and renovating existing stainless steel construction

3598 Alteration work; demolishing and reconstructing stainless steel construction

36

Aluminium

361

Structural aluminium work

3611 Structural aluminium work

Fabrication and erection of building frames of structural aluminium, either as the structural frame for the whole or part of the building or as general structural supports

Fabricating and erecting structural aluminium using extruded, rolled, hollow, folded and pipe sections, plate, - wires, cables, rods and bars, to form: - fabricated beams and members - trusses - space frames - domes - structural framework Concrete-filled members Openable and sliding roof framework Structure to support glazed vaulting, arcading and roof lights Holding down assemblies with templates Bedding into concrete footings Fabrication and erection including cutting, welding, drilling, riveting, bolting, both off site and on site Proprietary fixing bolts and systems, including all drilling required in concrete and masonry, together with cement or resin grouting 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)

3612 Aluminium minor structural members and supports

Minor structural members and supports of aluminium

Industrial patent glazing bars and associated supports Isolated members providing support in light timber and light metal framing and in timber structural framing Eye bolts and hangers Aluminium pipe framing Aluminium purlins and girts Aluminium straps as structural supports

362

Aluminium framing

3621 Light aluminium framing

3622 Aluminium pipe framing

363

Aluminium floors

3631 Aluminium floors**Aluminium floors including associated aluminium supports**

Flooring of extruded aluminium panels, sheet aluminium, chequer plate, perforated and textured sheet, fabricated grille units, etc. Associated supporting aluminium structure, where an integral part of the flooring Walkways and catwalks of solid aluminium, grille flooring etc., on top of roofs, decks, etc. 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)

369**Ancillary items; repairing and altering aluminium construction**

3691 Ancillary items**3697 Cleaning, repairing and renovating existing aluminium construction****3698 Alteration work; demolishing and reconstructing aluminium construction****37****Other metals**

371**Miscellaneous non-ferrous metals**

3711 Copper and copper alloy items**3712 Titanium alloy items****3713 Magnesium alloy items****3714 Zinc and zinc alloy items****3715 Monel metal items**

372**Miscellaneous ferrous metals**

3721 Cast iron items

373**Items of composite metals**

3731 Composite metal items

379**Ancillary items; repairing and altering items of miscellaneous metals**

3791 Ancillary items**3797 Cleaning, repairing and renovating existing items of miscellaneous metals****3798 Alteration work; demolishing and reconstructing items of miscellaneous metals****38**

Timber

381

Structural timber

3811 Prefabricated timber elements, supply

The supply of prefabricated timber and composite beams, frames and trusses, manufactured to individual requirements

Timber structural members, including beams, portals, and trusses, fabricated to individual requirements Connectors, including plywood and steel gusset plates, multi-nail plates, used in the fabrication of the units Exposed surfaces finished as required 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 Delivery to the site Non-fixed work (see Explanatory notes)

3812 Timber platform

Structural timber platform, when constructed before the rest of the timber structural framing, forming the lower floor level of the structure, supported on timber foundations, piles, posts and stumps as a base for subsequent timber construction

Trimming tops of piles and poles Constructing a timber platform with bearers, beams, joists, bracing, etc. Preparation of platform to receive superstructure All connectors and fixings including bolts, ties, shoes, metal hangers, 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)

3813 Engineered wood products

Engineered wood, laminated veneer lumber and laminated timber products for use as posts, beams, frames and other structural elements, manufactured to individual requirements

Wood based structural members, including straight, tapered and curved beams, arches, portals, and trusses, fabricated to individual requirements Connectors, including plywood and steel gusset plates, multi-nail plates, used in the fabrication of the units Exposed surfaces finished as required 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 Delivery to the site Non-fixed work (see Explanatory notes)

3814 Timber minor structural members and supports

Minor structural members and supports of timber

Industrial glazing bars Isolated timber members, trusses, prefabricated items, etc., providing support Tank and equipment stands Timber purlins and girts

3815 Log wall construction

Timber framing using logs or shaped timber members as wall construction or as wall panels, with wall intersections either mitred and fitted, overlapped or fitted into a timber or metal frame

Walling of logs or shaped timber members with overlapped joints at wall intersections Walling of logs or shaped timber members as infilling between framing Timber and/or steel framing prepared to receive infill walling of logs or shaped timber members Bracing and accessories 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)

382

Timber framing

3821 Timber framing

Timber members, including pre-fabricated structural members, fabricated frames, composite timber/steel members, forming the general floor, sub-floor, wall, partition and roof framing; wall framing behind curtain walling; timber framing associated with reinforced concrete, metal; timber structural framing including fixing trusses and laminated members

Solid timber or fabricated U and H-shaped studs, lintels and plates Fabricated beams, joists, rafters and lintels Timber columns, bearers, joists, beams, Standard and special timber trusses, prefabricated frames and beams Space frames and domes Timber structure to support glazed vaulting, arcading and roof lights Timber bearers, joists, nogging, bracing, lintels, sheet bracing, etc. Timber purlins, rafters, struts, gutterboards, box gutter supports, fascias, fillets, kerbs, etc., to roofs Timber frames, to concrete, steel and timber structures Fabricated timber members, fabricated composite timber/steel members Sheet bracing of manufactured timber board, plasterboard, fibre cement, etc., fixed as part of the framing Metal and composite timber/steel lintels, bracing, etc. Ties, connectors, straps, hangers, shoes, bolts and other fixings; termite shields 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)

3822 **Solid timber wall framing**

Walls of dressed solid timber forming infilling between a structural timber frame

Structural timber framing Walling of shaped and dressed solid timber members fitted between framing Ties, braces and accessories 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)

3827 **Sheet bracing for timber framing**

Discrete sheet bracing elements for timber framing, other than rigid air barriers, cladding, lining or sarking.

Supply, installation and fixing of bracing elements of: Timber based sheet material Sheet metal based material Composite sheet material

383

Timber work miscellaneous

3831 **Interior timber work**

Timber members, including pre-fabricated members, fabricated frames, composite timber/steel members, forming the general floor, wall, partition and ceiling framing; associated with interior only contract works

Solid timber or fabricated U and H-shaped studs, lintels and plates, loadbearing and non-loadbearing Fabricated beams, joists and lintels Timber columns, bearers, joists, beams, Standard and special timber prefabricated frames and beams Timber joists, nogging, bracing, lintels, sheet bracing, etc. Timber frames, to concrete, steel and timber structures Fabricated timber members, fabricated composite timber/steel members Sheet bracing of manufactured timber board, plasterboard, fibre cement, etc., fixed as part of the framing Metal and composite timber/steel lintels, bracing, etc. Ties, connectors, straps, hangers, shoes, bolts 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)

3837 **Timber walkways and catwalks**

Walkways and catwalks over roofs, fixed to bearers

Timber fixed to bearers, forming catwalks, walkways etc. Treads of solid timber, laminated timber, manufactured timber boarding, fixed to stair strings and landing framing as treads and landings 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)

387

Timber structural systems

- 3871 Solid timber structural systems**
- 3872 Glue laminated timber or CLT structural systems**
- 3873 Plywood, LVL or PSL structural systems**
- 3874 Wood fibre and strand based timber structural systems**
-

389 Ancillary items; repairing and altering timber construction

- 3891 Ancillary items**
- 3897 Cleaning, repairing and renovating existing timber construction**
- 3898 Alteration work; demolishing and reconstructing timber construction**

39 Plastics

391 Plastics for structural purposes

- 3911 Plastics structural items**
Plastics used structurally for self-supporting structures, including domes, cupolas and other structural items
- Beams of fibreglass reinforced plastics, kevlar composites etc fixed to the building frame Plastics self-supporting domes, including geodesic domes, cupolas, roof structures and finials, self-finished or to receive later finish, fixed 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 Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)
-

393 Miscellaneous plastics work

- 3931 Decorative plastics features and miscellaneous items**
Plastics items, self-finished or to receive applied finishes, as decorative columns, capitals, brackets, pediments, etc., decorative trim and miscellaneous items
- Plastics decorative columns, pilasters, pediments, etc., fixed to and supported by the building fabric, to receive plaster finish or self-finished Plastics decorative wall and ceiling panels, fixed to and supported by the building fabric Plastics decorative mouldings and trim fixed to the building fabric Plastics shutters to doors and windows Plastics wall vents Plastics handrails and grab rails Plastics extruded mouldings to metal handrails Plastics safety floor gratings and walkway matting Plastics boxes and covers for valves, 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)
-

399 Ancillary items; repairing and altering plastics

- 3991 Ancillary items**

3997 Cleaning, repairing and renovating existing plastics

3998 Alteration work; demolishing and reconstructing plastics

4

Enclosure

41

Tanking and pre-cladding

411

Trowelled organic-based tanking

4111 Mastic asphalt tanking

Mastic asphalt tanking applied to floors and walls

Preparing surfaces, plugging leaks, making good cracks and defects, ready to receive the waterproofing system Mastic asphalt waterproofing Applying primer to vertical surfaces Isolating membranes Internal angle fillets Turning top edges into grooves, etc. Sealant to edges of waterproofing Board, drainage cell and other protection against mechanical damage 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)

412

Liquid-applied tanking and damp-proofing

4121 Liquid applied tanking

Liquid-applied bitumen-based tanking with or without reinforcing fabric and/or fibres to internal or external surfaces

Preparing substrates, plugging leaks, making good cracks and defects, ready to receive the waterproofing system Applying primers Cold-applied coatings including two-component materials Hot-applied coatings Glass fibre or other reinforcement Sand blinding Board, drainage cell and other protection against mechanical damage 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)

4122 Liquid-applied membrane tanking

Liquid-applied membrane tanking with or without reinforcing fabric and/or fibres as damp-proofing to surfaces and to exclude groundwater or to retain liquids

Preparing substrates, plugging leaks, making good cracks, imperfections and defects, ready to receive the waterproofing system Roller, spray or brush applied coatings of liquid-applied plastics to internal and/or external surfaces Glass fibre or other reinforcement Board, drainage cell and other protection against mechanical damage 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)

413

Sheet tanking and damp-proofing

4131 Sheet tanking

Impermeable flexible and rigid sheet materials applied cold or torched, to floors and walls in single or multiple layers, to internal and external surfaces, including under bathroom floors and other wet areas and inside concrete watertanks

Preparing substrates, plugging leaks and making good cracks and defects ready to receive the waterproofing system Applying primers Applying bituminous and plastics single or multi-layer sheeting, self bonded or using bonding compounds Lapped and sealed joints, welted joints Adhesive jointing tape Board, drainage cell and other protection against mechanical damage 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)

4132 Drainage cell sheet damp-proofing**Damp-proofing of flexible drainage cell sheets, applied to external surfaces**

Preparing substrates and making good cracks and defects Applying drainage cell sheet damp-proofing to external surfaces Board and/or other protection against mechanical damage if required 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)

414**Aqueous tanking and damp-proofing**

4141 Aqueous tanking and damp-proofing**Tanking and damp-proofing using latex emulsions or aqueous liquids applied to the interior or exterior faces of concrete and other surfaces, including associated jointing and sealing**

Preparing surfaces, plugging leaks, making good cracks and defects, ready to receive the tanking or damp-proofing system Latex emulsions or aqueous liquids applied to concrete surfaces internally or externally Potassium or sodium silicate gel applied to concrete surfaces Application of sealant around service lines where they penetrate the concrete surfaces Non-fixed work (see Explanatory notes)

415**Cementitious tanking**

4151 Cementitious plaster tanking**Sprayed and/or trowelled plaster coatings incorporating waterproofing additives, or proprietary cementitious plaster coatings, applied to interior or exterior faces**

Preparing surfaces, plugging leaks, making good cracks and defects, ready to receive the tanking system Applying bonding agents Dubbing out Single or multi-coat work of cement-based coatings Sprayed, trowelled, floated and similar surface finishes Control joints Metal beads, nosings, stops, 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)

416**Wraps, underlays and Dpc's**

4161 Building wraps, underlays and Dpc's**Building wraps behind wall cladding systems and underlays below roof claddings and Dpc's used to prevent the passage of moisture from one element to another**

Building wraps including appropriate jointing and lapping methods Tapes and fixings Flexible flashings at head and sill Roof underlays including appropriate jointing and lapping methods Underlay supports Forming, dressing and sealing openings as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

417**Rigid pre-cladding**

4171 Rigid air barriers**Rigid sheets behind wall cladding systems used to prevent the passage of air and moisture from one element to another**

Rigid air barriers including appropriate jointing methods Tapes and fixings Flexible flashings at head and sill Forming, dressing and sealing openings as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

419**Ancillary items; repairing and altering tanking, damp-proofing, wraps and**

4191 Ancillary items

- 4197 **Cleaning, repairing and renovating existing tanking, damp-proofing, wraps and underlays**
- 4198 **Alteration work; demolishing and reconstructing tanking, damp-proofing, wraps and**

42 Wall cladding

421 Curtain walling

4211 **Proprietary curtain walling**

Proprietary and/or contractor-designed curtain walling, including rain screen walling and structural glazing, consisting of a supporting framing system, (either exposed or concealed), designed as an integral assembly, complete with windows, infill panels, doors, shutters, etc., and fixed to the building structure

Members of steel, stainless steel, aluminium, bronze, etc., framed together and fixed to building structure
Cleats, brackets, bolts, connections and fixings for securing the curtain wall to the building structure
Windows, panels, doors, shutters, etc., supplied and fixed as an integral part of the assembly, including all associated hardware
Photovoltaic cells incorporated into the facade, connected to the electrical supply system
Glazing components, sealants, intumescent sealants, gaskets, distance pieces, location blocks, setting blocks, etc. Standard and special hardware
Internal trims
Flashings, soakers, cappings, etc., against adjoining work when executed as part of the curtain walling, as needed to make the walling weatherproof
Preparing surfaces and applying protective coatings and decorative finishes off site and 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
Performance criteria
Contractor design and shop drawings
Non-fixed work (see Explanatory notes)

4212 **Non-proprietary exposed grid cladding**

Cladding, consisting of an exposed metal, timber and concrete grids, including rain screen walling, designed as an integral assembly, complete with windows, infill panels, doors, shutters, etc., and fixed to the building structure

Exposed grid of steel, stainless steel, aluminium, bronze, timber, concrete etc., fixed to the building structure with all required cleats, bolts, brackets and other connectors
Cladding between the exposed grid, of windows, panels, doors, shutters, etc., of all types including all associated hardware
Photovoltaic cells incorporated into the cladding, connected to the electrical supply system
Glazing components, sealants, intumescent sealants, gaskets, distance pieces, location blocks, setting blocks, etc. Standard and special hardware
Internal finishing trim
Flashings, soakers, cappings, etc., against adjoining work when executed as part of the cladding, as needed to make the walling weatherproof
Preparing surfaces and applying protective coatings and decorative finishes off site
Preparing surfaces to receive protective 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)

4215 **Concealed grid panel cladding**

Cladding, including rain screen facades, where the grid, if any, is concealed and the cladding consists of prefabricated panels of glass, fibre cement, metal, ceramics, plastics or composite materials, with the panels incorporating or prepared to receive windows, doors, shutters, etc., fixed to the building structure

Prefabricated panels, constructed of or faced with glass, including profiled glass, metal, ceramics, plastics or composite materials, prepared to receive windows, doors, etc., where required and incorporating insulation, internal linings and sheet finishes
Windows, doors, glazing, etc., factory fitted to the prefabricated panels, with all associated hardware and accessories, where so specified
Back-up walling, when part of the facade system
Installation of panels as facade cladding, with all required cleats, brackets, bolts
Photovoltaic cells incorporated into the cladding, connected to the electrical supply system
Flashings, soakers, cappings, etc., against adjoining work when executed as part of the curtain walling, as needed to make the walling weatherproof
Standard and special hardware
Internal finishing trim
Preparing surfaces and applying protective coatings and decorative finishes off site
Preparing surfaces to receive protective 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)

4216 Glazed walling, vaults and roofs**Straight or curved metal or timber glazing sections framed and fixed to the building structure to form glazed walling, roofs, arcades and vaults**

Members of steel, stainless steel, aluminium, bronze, etc., framed together to form walling, arcades, vaults and roofs and fixed to the building structure ready to receive glazing Cleats, brackets, bolts, connections and fixings, securing the framing to the building structure Opening frames, etc., with associated hardware, where forming an integral part of the metal walling, arcade, vault or roof Glazing, with safety glass or plastics, with glazing compounds, metal beads, sealants, gaskets, capping strips, etc., where the glazing forms an integral part of the metal walling, arcade, vault or roof Flashings, soakers, cappings, etc., against adjoining work when executed as part of the installation Internal finishing trim 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)

422**Timber wall cladding****4221 Timber solid cladding****Cladding of solid timber boarding, including weatherboarding**

Solid timber boards, profiled, ship lap, butt jointed or tongued and grooved, fixed horizontally, diagonally or vertically Building wraps and thermal insulation fixed at the same time as the cladding Cover battens, beads, fillets, soakers, jointing strips, cover strips, etc., to joints and junctions Flashings and weatherproofing of the cladding against adjacent materials 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)

4222 Manufactured timber sheet cladding**Cladding of manufactured timber boarding, including weatherboarding**

Manufactured timber boards, with plain or textured surface, with profiled, ship lap, T&G or butt joints, to simulate weatherboards, shingles, etc. fixed as cladding Building wraps and thermal insulation fixed at the same time as the manufactured timber boarding Cover battens, beads, fillets, soakers, cover strips, sealants, etc. Flashings and weatherproofing of cladding against adjacent materials 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)

4223 Plywood cladding**Cladding of plywood**

Plywood with plain or textured surface, with profiled, shiplap, spline, T&G or butt joints, fixed as cladding Building wraps and thermal insulation fixed at the same time as the cladding Cover battens, beads, fillets, soakers, jointing strips, cover strips, etc., to joints and junctions Flashings and weatherproofing of the cladding against adjacent materials 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)

4224 Exterior trim**Trim to exterior cladding of all types, principally of timber, but including plastics and metal trim, fixed at junction of materials, edges of openings etc., where not included in the cladding Work section**

Decorative trim associated with the cladding systems if not included with them

4225 Prefabricated stud-framed timber-faced cladding panels

Prefabricated stud-framed timber-faced cladding panels, fixed to the building fabric

Prefabricated panels, with timber or metal edge framing and with intermediate studs or solid or honeycomb core Insulation, vapour proofing and waterproof layers incorporated into the panel Solid timber and/or manufactured timber boarding, external facing Substrate and/or finished linings, fixed to the inner face of the panel Panels erected with interlocking joints or between posts, as either infill or weight-bearing walling Panels prepared to receive or provided with building services Weatherproofing, including flashing, sealants, 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)

423

Flat or shaped sheet cladding

4231 Fibre cement flat sheet cladding

Cladding of fibre cement flat sheets fixed to framing

Fibre cement flat sheets, with or without surface finish texture Fibre cement flat sheets simulating timber weatherboards Fibre cement columns Cover moulds, jointing strips, etc. Sealants to joints Reinforcement to joints Building wraps, plastics sheeting, reflective insulation, board and blanket insulation when fixed as part of the installation Flashings when fixed as part of the installation 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)

4232 Metal and metal-faced flat sheet cladding

Metal and metal-faced flat or shaped sheet cladding, fixed to framing

Sheets of steel, stainless steel, aluminium, copper and zinc, flat, embossed, modelled or shaped with edges formed to suit the jointing system, fixed to framing Imitation weatherboarding Sheets of steel, stainless steel, aluminium, copper and zinc, as facing to composite panels with insulation and backing sheets, flat or shaped, with edges formed to suit jointing system, fixed to framing Cover moulds, jointing strips, etc. Sealants to joints Building wraps, plastics sheeting, reflective insulation, board and blanket insulation when fixed as part of the installation Flashings when fixed as part of the installation 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)

4233 Mineral fibre and similar flat sheet cladding

Mineral and/or organic fibre and similar flat sheet cladding, fixed to framing

Flat sheets of mineral fibre with edges prepared to suit the jointing system, fixed to framing Flat sheets of inert materials prepared for external use, with edges prepared to suit the jointing system, fixed to framing Flat sheets of organic materials, bound with synthetic resins Flat sheets of mineral and/or organic fibre and other inert materials as facing to composite panels with insulation and backing sheets, with edges formed to suit jointing system, fixed to framing Cover moulds, jointing strips, etc. Sealants to joints Building paper, plastics sheeting, reflective insulation, board and blanket insulation when fixed as part of the installation Flashings when fixed as part of the installation 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)

4234 Plastics and plastics-faced flat or shaped sheet cladding

Plastics and plastics-faced flat or modelled sheet cladding, fixed to framing

Sheets of rigid plastics, flat, embossed or shaped, including twin-wall sheets, with edges formed to suit the jointing system, fixed to framing Imitation weatherboarding Flat or shaped sheets of rigid plastics as facing to composite panels with insulation and backing sheets, and with edges formed to suit jointing system, fixed to framing Cover moulds, jointing strips, etc. Sealants to joints Building wrap, plastics sheeting, reflective insulation, board and blanket insulation when fixed as part of the installation Flashings when fixed as part of the installation 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)

4238 Miscellaneous sheet cladding

Cladding of miscellaneous flat sheets fixed to framing

Flat sheets, with or without surface finish texture Cover moulds, jointing strips, etc. Sealants to joints Reinforcement to joints Building wraps, plastics sheeting, reflective insulation, board and blanket insulation when fixed as part of the installation Flashings when fixed as part of the installation 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)

4239 Flat or shaped sheet soffit cladding

424

Profiled sheet cladding

4241 Metal profiled sheet cladding

Metal profiled sheet cladding, fixed to framing

Profiled sheets of steel, stainless steel, aluminium, copper and zinc, fixed to framing Metal profiled sheets as facing to composite panels with insulation of all types and backing sheets, fixed to framing Profiled sheets of steel, with multi-layers of metallic and non-metallic coatings as a protective coating, fixed to framing Translucent and transparent plastics sheets of the same profiles, fixed at the same time as the installation Sheet linings of fibre cement, manufactured timber boards and other rigid sheets, fixed under and at the same time and as part of the cladding installation Building wrap, plastics sheeting, reflective insulation, and board and blanket insulation, when fixed as part of the cladding installation Secondary supports required for the cladding, when fixed at the same time and as part of the cladding installation All necessary fixings All jointing of the sheets, with necessary sealants and jointing strips Flashings, beddings and trim required to provide a weathertight installation Cover moulds, trim, expansion joints, 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)

4242 Plastics profiled sheet cladding

Plastics profiled sheet cladding, fixed to framing

Plastics profiled sheets fixed to framing Plastics profiled sheets as facing to composite panels with insulation and backing sheets, fixed to framing Translucent and transparent plastics sheets of the same profiles, fixed at the same time as the installation Sheet linings of fibre cement, manufactured timber boards and other rigid sheets, fixed under and at the same time and as part of the cladding installation Building paper, plastics sheeting, reflective insulation, and board and blanket insulation, when fixed as part of the cladding installation Secondary supports required for the cladding, when fixed at the same time and as part of the cladding installation All necessary fixings All jointing of the sheets, with necessary sealants, sealants and jointing strips Flashings, beddings and trim required to provide a weathertight installation Cover moulds, trim, expansion joints, 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)

4243 Fibre cement profiled sheet cladding

Fibre cement profiled sheet cladding, fixed to framing

Fibre cement profiled sheets, including sheets with false joints and accessories formed as part of the sheets, fixed to framing Fibre cement profiled sheets as facing to composite panels with insulation and backing sheets, fixed to framing Translucent and transparent plastics sheets of the same profiles, fixed at the same time as the installation Sheet linings of fibre cement, manufactured timber boards and other rigid sheets, fixed under and at the same time and as part of the cladding installation Building wrap,

plastics sheeting, reflective insulation, and board and blanket insulation, when fixed as part of the cladding installation Secondary supports required for the cladding, when fixed at the same time and as part of the cladding installation All necessary fixings All jointing of the sheets, with necessary sealants and jointing strips Flashings, beddings and trim required to provide a weathertight installation Cover moulds, trim, expansion joints, 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)

4244 Bitumen-impregnated or resin-impregnated organic and/or mineral fibre profiled sheet

Impregnated organic or mineral fibre sheet cladding, fixed to framing

Profiled sheets of bitumen-impregnated or resin impregnated organic and/or mineral fibre, with or without a top coating to provide colour or protection, fixed to framing Translucent and transparent plastics sheets of the same profiles, fixed at the same time as the installation Sheet linings of fibre cement, manufactured timber boards and other rigid sheets, fixed under and at the same time and as part of the cladding installation Building wrap, plastics sheeting, reflective insulation, and board and blanket insulation, when fixed as part of the cladding installation Secondary supports required for the cladding, when fixed at the same time and as part of the cladding installation All necessary fixings All jointing of the sheets, with necessary mastics, sealants and jointing strips Flashings, beddings and trim required to provide a weathertight installation Cover moulds, trim, expansion joints, 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) On site finishes (66-11)

425

Proprietary cladding systems

4251 Aluminium composite cladding

Proprietary aluminium cladding systems, with aluminium faced panels, fixed to the building fabric

Proprietary cladding systems, with panels formed with two sheets of aluminium bonded to a plastic resin or foamed plastics, mechanically fixed to the building fabric, with all joints sealed Paint finish to the aluminium sheeting if not prefinished Proprietary cladding panels formed of two aluminium skins bonded to an aluminium honeycomb core, the long sides of the panels with upturned edge, fixed to the building fabric with proprietary fixing clamps Proprietary cladding panels of two sheets of aluminium, bonded to a plywood core, with fixing clips secured to the rear face of the panels, interconnecting with clips fixed to the building fabric Panel faces embossed, textured or plain Panels finished with powder coating, paint, anodising, applied plastics sheet or unfinished Windows, doors and openings incorporated as required as part of the cladding system Sealants to joints Proprietary framing and fixing systems Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

4252 Metal panel cladding

Proprietary cladding systems of unbacked metal, fixed to walls and soffits

Proprietary cladding systems of steel or aluminium unbacked panels, the long edges of the panels formed to provide interlocking joints, fixed to the building fabric with the panels running vertically, horizontally or diagonally, secured to proprietary brackets Panels formed of prefinished steel or painted or anodised aluminium Windows, doors and openings incorporated as required as part of the cladding system Sealants to joints Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

4253 Plastics panel cladding

Proprietary cladding systems of backed or unbacked plastics panels

Proprietary cladding systems of panels, consisting of a frame faced with self-finished plastic sheeting, backed or unbacked, secured to the building fabric with a proprietary fixing system Plastics facade panels or claddings, self-finished or to receive site finish Insulation or backing incorporated into the panels and linings Accessories and fixings, including accessories supplied and placed as part of the work of other Work sections Windows, doors and openings incorporated as required as part of the cladding system Sealants to joints Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

4254 Manufactured timber panel cladding systems**Proprietary facade panels, with plaster external face and rigid sheet internal face, fixed to the building frame**

Proprietary facade panels, with steel or timber frame and studs, the external face finished with rigid plastics insulating sheet with trowelled plaster surface, the rear face finished with plasterboard or fibre cement board. Panels joined by fillet set into grooves in the edges of the panels. Supply and installation Paint finish to panels Windows doors and openings incorporated as required as part of the cladding system Sealants to joints Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

4255 Insulating wall cladding**Proprietary wall cladding system, consisting of foamed plastics insulating panels fixed to walling and finished with fibreglass reinforced plaster**

Proprietary cladding systems, fixed to steel or timber stud framed walls, concrete block or brick veneer walling, consisting of foam plastics rigid insulating board covered with plaster reinforced with fibreglass mesh, precoloured or paint finished Windows doors and openings incorporated as required as part of the cladding system Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

4256 Plaster on rigid sheet facade cladding**Proprietary wall cladding systems, with fibre cement sheeting fixed to walling and finished with fibreglass reinforced plaster**

Proprietary wall cladding system with fibre cement sheeting fixed to timber or steel framed walling, the sheet joints and angles reinforced and the surface finished with plaster, with or without fibreglass mesh reinforced, with the surface appropriately textured and finished with an acrylic-based paint Windows doors and openings incorporated as required as part of the cladding system Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

4257 Metal clad insulating cladding**Proprietary cladding systems, consisting of foamed plastics insulation, with steel sheet bonded to both faces**

Proprietary cladding system consisting of foamed plastics (various) insulation, with steel sheet bonded to both faces, the sheeting prefinished and the panel finished with interlocking joints at panel junctions Panels set on horizontal floor surfaces and tilted to a vertical position, with interlocking joints where panels abut and fixed to wall framing at the upper level Panels used as long span roofing Windows doors and openings incorporated as required as part of the cladding system Sealants to joints as required Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

4258 Fibre reinforced cement board cladding**Proprietary cladding systems, consisting of thick fibre reinforced cement board panels fixed to walls and soffits or to the fabric generally**

Proprietary cladding systems of pre-finished panels, secured to the building fabric with one of several proprietary fixing systems Facade panels or claddings, self-finished Insulation or backing incorporated into the panels and linings Accessories and fixings, including accessories supplied and placed as part of the work of other Work sections Windows, doors and openings incorporated as required as part of the cladding system Jointing systems Sealants to joints Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

4259 Miscellaneous cladding systems**Proprietary panel systems, fixed to the building fabric**

Windows doors and openings incorporated as required as part of the cladding system Sealants to joints Panels fixed to the building structure Proprietary panel systems, with panels, framed together, the outer face covered with panels, etc. Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility

426**Masonry veneer cladding****4261 Brickwork**

Brickwork consisting generally of bricks laid in courses on a mortar bed to form veneers of cavity wall construction. Facing wythes

Brickwork of clay bricks, concrete bricks and calcium silicate bricks of all types Special shape bricks, including grooved bricks for services Specially faced bricks Walls laid in bonds and with surface patterns Flue linings Steel sheets, holed for ties for securing masonry veneers, fixed to the building fabric Purpose-made centring and formwork Mortar, pointing materials Bagging Accessories, flashings, thresholds, sills, lintels, etc., built into the brickwork Joint reinforcement Sealants Wall ties, anchors, cramps, dowels, restraining members Flexible dpc's, slate dpc's, termite shields Metal dpc's built in and extended out as flashing over sloping surfaces Cavity trays formed from flexible sheet dpc material Preformed cavity trays Galvanized steel lintels Rigid sheet and foil insulation and building wrap when installed as part of the brickwork Cavity wall ventilators, fire barriers, weepholes Cavity bridging ducts Flue terminals Members to provide seismic restraint to panels Movement joints and fillers Forming and cutting brickwork Cleaning down 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)

4262 Prefabricated brick panels**4263 Hollow concrete blockwork**

Blockwork consisting of hollow concrete blocks laid in courses on a mortar bed to form veneers of cavity wall construction

Hollow concrete blocks of all types Special shape blocks Specially faced blocks Blocks with knock-out and cut-out sections Lintel blocks Purpose-made centring and formwork Reinforcement Mortar Accessories, flashings, thresholds, sills, lintels, etc., built into the blockwork Anchors, cramps, dowels, restraining members Dpc's, termite shields Metal dpc's built in and extended out as flashing over sloping surfaces Cavity trays formed from flexible sheet dpc material Movement joints and fillers Forming and cutting blockwork Sealants Cleaning down 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)

4264 Solid concrete blockwork

Blockwork constructed of solid concrete or aerated autoclaved concrete blocks, laid in courses on a mortar bed to form veneers of cavity wall construction

Solid concrete blocks of all types Aerated autoclaved concrete solid blocks of all types (AAC) Special shape blocks Specially faced blocks Purpose-made centring and formwork Reinforcement Mortar Special mortars and adhesives Accessories, thresholds, sills, etc., built into the blockwork Anchors, cramps, dowels Dpc's, termite shields Cavity trays formed from flexible sheet dpc material Movement joints and fillers Members to provide seismic restraint to panels, fixed to structural frame Forming and cutting blockwork 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 Non-fixed work (see Explanatory notes)

4265 Fired-clay blockwork

Blockwork consisting of fired-clay blocks laid in courses on a mortar bed to form veneers of cavity wall construction

Fired-clay blocks of all types Special shape blocks, including grooved blocks Specially faced blocks Purpose-made centring and formwork Mortar Accessories thresholds, sills etc built into the blockwork Anchors cramps and dowels Dpc's, termite shields Cavity trays formed from flexible sheet dpc material Movement joints and fillers Members to provide seismic restraint to panels, fixed to structural frame Forming and cutting blockwork 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 Non-fixed work (see Explanatory notes)

4266 Unfired earth masonry

Earth masonry consisting generally of unfired blocks and bricks, including pressed bricks, made of clay and other earth materials, with or without reinforcement and bituminous, plastics or

cementitious binders, laid in courses to form veneer of cavity wall construction

Unfired earth blocks and bricks of all types Special shape blocks and bricks Purpose-made centring and formwork Accessories built into or fixed to the earth masonry Dpc's, termite shields Movement joints and fillers Forming and cutting earth masonry 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)

427**Stone veneer cladding****4271 Natural stone veneer walling****Natural stone masonry walling, uncoursed or coursed, with dry or mortar joints, to form veneers of cavity construction, or facework tied to a backing**

Natural stone of all types, worked to required sizes and finishes, of thickness to carry its own weight Rubble stonework, squared or random, coursed or uncoursed Dressed stonework Ashlar stonework Decorative stonework, including balusters, columns, string courses, fireplace surrounds, etc. Walling, including piers and buttresses, coursed or uncoursed Shaped stones to form openings, quoins, arches, sills, copings, corbels, etc. Facework bonded or tied to a backing or to supports Purpose-made centring and formwork Mortar and cementitious filling Accessories built into the stonework Dpc's, termite shields, etc. Movement joints and fillers Sealants Rigid sheet and foil insulation and building wrap when installed as part of the stonework 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)

4272 Natural stone facade walling**Thin natural stone of all types, worked to required sizes and finishes and fixed to a backing board**

Thin natural stone of all stone types Rubble stonework, squared or random, coursed or uncoursed Dressed stonework Ashlar stonework Mortar and cementitious filling Accessories built into the stonework Movement joints and fillers Sealants Rigid sheet and foil insulation and building wrap when installed as part of the facade walling 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)

4273 Simulated stone veneer walling**Precast concrete cast simulated stone and reconstructed stone walling with mortar joints to form veneers of cavity construction, or facework tied to a backing**

Masonry walling of reconstructed stone or of precast concrete simulated stone, laid with dry or mortar coursed joints, to form veneers Reconstructed stone of required sizes and finishes Precast concrete simulated stone blocks of required sizes and finishes Walling, including piers and buttresses, coursed or uncoursed of thickness to carry its own weight Facework tied to a backing or to supports Decorative masonry including balusters, columns, sills, copings, arches, pediments and other features Chimney stacks Precast lintels Galvanised steel lintels Purpose-made centring and formwork Mortar and cementitious filling Accessories built into the masonry Dpc's, termite shields, etc. Movement joints and fillers Sealants Rigid sheet and foil insulation and building wrap when installed as part of the masonry 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)

428**Plaster render systems****4281 Traditional plaster render system****Stucco cladding plaster render system on rigid or non rigid backing fixed to a timber/steel frame**

Cement or polymer modified reinforced or non reinforced plaster applied by trowel pump or spray Expanded metal, wire mesh and other lathing, fixed to framed or solid backgrounds as a base and key for plaster, rendering, roughcast and sprayed coatings, where not included with the coating Framing of folded sheet metal members for solid plaster partitions Furring of folded sheet steel members for columns and beam casings, suspended ceilings, etc. Plain expanded metal lathing Ribbed expanded metal lathing Steel wire netting Welded mesh lathing with integrated paper backing Gypsum board lathing Timber lathing Fixing lathing to framed or to solid backings Steel rod stirrups, spacer rods and hangers

Screws, staples, clips, clout nails, wire ties, steel banding and other fixings Flashings of aluminium, stainless steel or uPVC Unfixed work Proprietary paint systems

4282 Plaster render on solid substrate

Plaster render on solid substrates

Tilt slab and in situ concrete structures Brick and concrete block veneer Concrete block masonry walls Autoclaved aerated concrete block and panels Insulated concrete formwork (ICF) or EPS polystyrene blocks Plaster mixes Sliplayer of building wrap Control joints, trim, beads, exterior cavity vermin proofing Proprietary paint systems

4283 Plaster render on fibre cement board cladding

Plaster render on fibre cement boards over a cavity system on timber/steel frame

uPVC control joints, trays, flashings, jointing tapes Primers Fibreglass reinforcing mesh Flashings of aluminium, stainless steel or uPVC Cement free fibre reinforced plaster Premixed coloured finishing renders Proprietary paint systems

4284 Plaster render on EIFS polystyrene cladding

Plaster render system on EIFS over a cavity system on timber/steel frame or concrete substrate

Rigid cellular polystyrene Cavity battens Fibreglass reinforcing mesh uPVC flashings and accessories Hot dipped galvanised steel flat head nails and plastic washers Self tapping steel screws and plastic washers Plaster render systems Proprietary paint systems

4285 Plaster render on insulating layer on solid substrate

Plaster render system on insulation fixed directly to concrete or masonry substrate

Plaster render system over tilt slab and in situ concrete structures Plaster render system over brick and concrete block veneer Plaster render system over concrete block masonry walls Plaster render system over autoclaved aerated concrete block and panels Insulation and fixings Reinforcing mesh Flashings, control joints and accessories Plaster render systems Proprietary paint systems

429

Ancillary items

4291 Flashings

Flashings to cladding

Flashings to make claddings weatherproof, when not included in the cladding installation

4292 Sealants

Sealants to cladding

Sealants to make claddings weatherproof, when not included in the cladding installation

4293 Adhesives

Adhesives to cladding

Adhesives for jointing claddings, when not included in the cladding installation

4297 Cleaning, repairing and renovating cladding

4298 Alteration work; demolishing and reconstructing cladding

43

Roofing and decking

431

Profiled sheet roof covering

4311 Profiled metal sheet roofing**Profiled metal sheet roofing, fixed to framing**

Profiled sheets, including textured and curved sheets of steel, including factory-coated colour finished steel, stainless steel, aluminium, copper and zinc, fixed to framing Metal profiled sheets as facing to composite panels with backing of manufactured timber boards, insulation of all types, and backing sheets, fixed to framing Metal profiled sheets and plastics insulation of the same profile, factory or site assembled, fixed to framing Profiled sheets of steel, with multi-layers of metallic and non-metallic coatings as a protective coating, fixed to framing Acoustic treatment to reduce impact and external noise Translucent and transparent plastics sheets of the same profiles, fixed at the same time as the installation Sheet linings of fibre cement, manufactured timber boards and other rigid sheets, fixed under and at the same time and as part of the roof covering installation Underlays, plastics sheeting, reflective insulation, and board and blanket insulation, when fixed as part of the roof covering installation Secondary supports required for the roof covering, when fixed at the same time and as part of the roof covering installation All necessary fixings All jointing of the sheets, with necessary sealants and jointing strips Flashings, flexible pipe boots, beddings and trim required to provide a weathertight installation Integral ventilating ridges Cover moulds, trim, expansion joints, 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)

4312 Profiled plastic roofing**Plastics profiled sheet roofing, fixed to framing**

Profiled plastics sheets, including specially formed and faced sheets, fixed to framing Plastics profiled sheets as facing to composite panels, with backing of manufactured timber boards, insulation of all types, and backing sheets, fixed to framing Plastics profiled sheets and plastics insulation of the same profiles, factory or site assembled, fixed to framing Translucent and transparent plastics sheets of the same profiles, fixed at the same time as the installation Sheet linings of fibre cement, manufactured timber boards and other rigid sheets, fixed under and at the same time and as part of the roof covering installation Underlays, plastics sheeting, reflective insulation, and board and blanket insulation, when fixed as part of the roof covering installation Secondary supports required for the roof covering, when fixed at the same time and as part of the roof covering installation Required safety precautions including steel mesh, fixed under and at the same time as the roofing with signs etc. All necessary fixings All jointing of the sheets, with necessary sealants and jointing strips Flashings, flexible pipe boots, beddings and trim required to provide a weathertight installation Integral ventilating ridges Cover moulds, trim, expansion joints, 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)

4313 Profiled fibre cement sheet roofing**Fibre cement profiled sheet roofing, fixed to roof framing**

Fibre cement profiled sheets, including accessories formed as part of the sheet, fixed to framing Fibre cement profiled sheets as facing to composite panels, with backing of manufactured timber boards, insulation of all types, and backing sheets, fixed to framing Translucent and transparent plastics sheets of the same profiles, fixed at the same time as the installation Sheet linings of fibre cement, manufactured timber boards and other rigid sheets, fixed under and at the same time and as part of the roof covering installation Underlays plastics sheeting, reflective insulation, and board and blanket insulation, when fixed as part of the roof covering installation Secondary supports required for the roof covering, when fixed at the same time and as part of the roof covering installation Required safety precautions, including steel mesh, fixed under and at the same time as the roof covering, with signs, etc. All necessary fixings All jointing of the sheets, with necessary sealants and jointing strips Flashings, beddings and trim required to provide a weathertight installation Integral ventilating ridges Cover moulds, trim, expansion joints, 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)

4314 Profiled fibre-reinforced bitumen sheet roofing**Profiled sheets of bitumen-impregnated cellulose fibre, fixed to framing**

Profiled sheets of bitumen-impregnated cellulose fibre with the top surface protected by a melamine

coating, fixed to framing Bitumen-impregnated cellulose fibre sheets, used as an underlay to low-pitch tile roofs Ridge capping and other accessories made of the same material Translucent and transparent plastics sheets of the same profiles, fixed at the same time as the installation Sheet linings of fibre cement, manufactured timber boards and other rigid sheets, fixed under and at the same time and as part of the roof covering installation Building paper, plastics sheeting, reflective insulation, and board and blanket insulation, when fixed as part of the roof covering installation Secondary supports required for the roof covering, when fixed at the same time and as part of the roof covering installation Required safety precautions including steel mesh, fixed under and at the same time as the roofing with signs etc. All necessary fixings All jointing of the sheets, with necessary mastics, sealants and jointing strips Flashings, beddings and trim required to provide a weathertight installation Integral ventilating ridges Cover moulds, trim, expansion joints, 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)

4315 Bitumen-impregnated or resin-impregnated organic and/or mineral fibre profiled roofing
Impregnated organic or mineral fibre sheet cladding, fixed to framing

Profiled sheets of bitumen-impregnated or resin impregnated organic and/or mineral fibre, with or without a top coating to provide colour or protection, fixed to framing Translucent and transparent plastics sheets of the same profiles, fixed at the same time as the installation Sheet linings of fibre cement, manufactured timber boards and other rigid sheets, fixed under and at the same time and as part of the cladding installation Underlays, plastics sheeting, reflective insulation, and board and blanket insulation, when fixed as part of the cladding installation Secondary supports required for the cladding, when fixed at the same time and as part of the cladding installation All necessary fixings All jointing of the sheets, with necessary sealants and jointing strips Flashings, beddings and trim required to provide a weathertight installation Cover moulds, trim, expansion joints, 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)

4316 Solar energy-collecting profiled sheet roofing

Profiled sheet roofing, incorporating cells for collecting solar radiation, fixed to framing

Solar panels, of any material, integral with the profiled roofing, for collecting solar radiation Interconnecting the energy/heat-absorbing medium to convey the collected energy/heat to, heat exchangers/converters, and storage mediums Fixing panels to supporting framework Required safety precautions Cover moulds, jointing strips, sealants etc. Underlays of building paper, plastics sheeting, reflective insulation, board and blanket insulation when fixed as part of the installation Flashings when fixed as part of the installation 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)

432
Tile roofing and wall-hanging

4320 Tile roofing

4321 Concrete tile roofing and wall-hanging

Single lap and double lap concrete tile roofing and wall-hanging, fixed to battens

Single lap and double lap concrete tiles, with interlocking edges, of required size and finish, fixed to battens Matching glass and plastics translucent tiles Vents, vent tiles and ridge and finial capping tiles Hip irons External angles to wall-hanging Forming eaves, including clips and gap filler Forming verges, including undercloaks, bedding and pointing Forming ridges and hips, including ends, angles and intersections, bedding and pointing Cutting at valleys, openings and abutments, including bedding and pointing Underlays, plastics sheeting, reflective insulation and board and blanket insulation when fixed at the same time and as a part of the installation Battening and counterbattening when fixed as a part of the installation All necessary fixings Sealants; pigmented mortar for bedding Flashings, flexible pipe boots and trims required to provide a weathertight 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)

4322 Clay tile roofing and wall-hanging**Clay tile roofing and wall-hanging, fixed to battens**

Clay tiles, plain and of all shapes, with or without interlocks at edges, of required size and finish, fixed to battens Matching glass and plastics translucent tiles Vents, vent tiles and ridge and finial capping tiles Hip irons External angles to wall-hanging Forming eaves, including clips and gap filler Forming verges, including undercloaks, bedding and pointing Forming ridges and hips, including ends, angles and intersections, bedding and pointing Cutting at valleys, openings and abutments, including bedding and pointing Valley and back gutters, soakers and flashings of all types to provide a weathertight installation Underlays of building papers, plastics sheeting, reflective insulation and board and blanket insulation when fixed at the same time and as a part of the installation Battening and counterbattening when fixed as a part of the installation All necessary fixings Sealants; pigmented mortar for beddings Flashings, flexible pipe boots and trims required to provide a weathertight 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)

4323 Pressed steel tile roofing and wall-hanging**Pressed steel sheets, in simulated tile form, with or without protective and decorative finish, fixed to battens, as roofing and wall-hanging**

Corrosion-protected steel sheet, pressed into tile form, with decorative finish, fixed to battens Matching accessories, including ridge and hip cappings, barges, fascias and eaves Cutting at valleys, openings and abutments, including sealing Valley and back gutters, soakers and flashings of all types to provide a weathertight installation Underlays, plastics sheeting, reflective insulation and board and blanket insulation when fixed at the same time and as a part of the installation Battening and counterbattening when fixed as a part of the installation All necessary fixings Sealants Flashings, flexible pipe boots and trims required to provide a weathertight 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)

4324 Rigid plastics tile roofing and wall-hanging**Rigid plastics tile roofing and wall-hanging, fixed to battens**

Rigid plastics single or double lap tiles, fixed to battens Matching glass and plastics translucent tiles Vents, vent tiles and ridge and finial capping tiles Hip irons External angles to wall-hanging Forming eaves, including clips and gap filler Forming verges, including undercloaks, bedding and pointing Forming ridges and hips, including ends, angles and intersections, bedding and pointing Cutting at valleys, openings and abutments, including bedding and pointing Valley and back gutters, soakers and flashings of all types to provide a weathertight installation Underlays, plastics sheeting, reflective insulation and board and blanket insulation when fixed at the same time and as a part of the installation Battening and counterbattening when fixed as a part of the installation All necessary fixings Sealants Flashings, flexible pipe boots and trims required to provide a weathertight 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)

433**Flat sheet roof and deck cladding fixed to framing**

4331 Fibre cement flat sheet decking**Fibre cement flat sheet decking, fixed to framing**

Flat sheets of fibre cement, with or without surface texture Preparation of edges prepared to suit the jointing system Flat sheets of fibre cement, as facing to composite panels, with backing of manufactured timber boards, insulation and backing sheets, fixed to framing Required safety precautions including steel mesh Cover moulds, jointing strips, etc. Underlays of building paper, plastics sheeting, reflective insulation, board and blanket insulation when fixed as part of the installation Flashings when fixed as part of the installation Preparing surfaces and applying protective coatings and decorative finishes off site Preparing surfaces to receive protective coatings and decorative finishes on site Insulation applied on top of the roofing in the form of gravel, foamed plastics, reflective coatings, when installed as part of the roofing 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)

4332 Metal-faced flat sheet roofing**Metal-faced flat sheet roofing, fixed to framing**

Flat sheets of steel, stainless steel, aluminium, copper and zinc, as facing to composite panels, with insulation and backing sheets, with edges formed to suit jointing system, fixed to framing Cover moulds, jointing strips, etc. Underlays of building paper, plastics sheeting, reflective insulation, board and blanket insulation when fixed as part of the installation Flashings when fixed as part of the installation 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)

4333 Metal faced insulating panel flat sheet roofing**Metal-faced plastics-cored panel flat sheet roofing, fixed to framing**

Composite sheets in panel form, consisting of a core of insulating plastics, faced on both sides with steel, aluminium and/or stainless steel sheet, with edges formed to provide a jointing system, fixed to framing Cover moulds, trim, etc. Flashings when fixed as part of the installation 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)

4334 Prefinished roof sarking**4335 Glass-faced panel flat sheet roofing****Glass-faced panel flat sheet roofing fixed to framing**

Glass-faced panels of sandwich construction, including insulation Glass-faced panels and tiles incorporating photovoltaic cells, the panels electrically connected to supply electricity to the building Fixing panels to supporting framework Required safety precautions including steel mesh Cover moulds, jointing strips, sealants etc. Underlays of building paper, plastics sheeting, reflective insulation, board and blanket insulation when fixed as part of the installation Flashings when fixed as part of the installation 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)

4336 Solar energy-collecting flat panel roofing**Flat panel sheet roofing, incorporating cells for collecting solar radiation, fixed to framing**

Solar panels, of any material, integral with the flat panel roofing, for collecting solar radiation Interconnecting the energy/heat-absorbing medium to convey the collected energy/heat to, heat exchangers/converters, and storage mediums Fixing panels to supporting framework Required safety precautions including steel mesh Cover moulds, jointing strips, sealants etc. Underlays of building paper, plastics sheeting, reflective insulation, board and blanket insulation when fixed as part of the installation Flashings when fixed as part of the installation 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)

4337 Plywood roofing and decking**Roofs and decks of plywood, fixed to framing**

Thermal insulation, wraps, underlays and/or rigid air barriers fixed at the same time as the plywood Plywood roofing or decking, fixed to framing, complete with fillets and other trim Including falls, upstands, gutters, sumps, outlets and other plywood clad related items Sanding, sealing and otherwise preparing surfaces to receive protective/waterproof coatings and decorative finishes Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

434 Slate roofing

4341 Natural slate roofing and wall-hanging**Natural slate roofing and wall-hanging fixed to timber battens**

Natural slate, including stone slate, in sheet form, cut to required sizes, prepared for fixing and fixed with nails to battens or interlocking battens Forming eaves, including clips and gap filler Forming verges, including undercloaks, bedding and pointing Forming ridges and hips, using exposed or concealed metal flashings, including ends, angles and intersections, bedding and pointing Cutting at valleys, openings and abutments, including bedding and pointing Valley and back gutters, soakers and flashings of all types to provide a weathertight installation Underlays of building papers, plastics sheeting, reflective insulation and board and blanket insulation when fixed at the same time and as a part of the installation Battening and counterbattening when fixed as a part of the installation All necessary fixings Mastics 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 Non-fixed work (see Explanatory notes)

4342 Fibre cement slate roofing and wall-hanging**Fibre cement sheets, cut or formed to natural slate shape and fixed to battens to simulate slate roofing and wall-hanging**

Fibre cement sheets, cut or formed to required size to simulate natural slate, prepared for fixing, laid horizontally or diagonally and fixed to battens Forming eaves, including clips and gap filler Forming verges, including undercloaks, bedding and pointing Forming ridges and hips, including ends, angles and intersections, bedding and pointing Cutting at valleys, openings and abutments, including bedding and pointing Valley and back gutters, soakers and flashings of all types to provide a weathertight installation Underlays of building papers, plastics sheeting, reflective insulation and board and blanket insulation when fixed at the same time and as a part of the installation Battening and counterbattening when fixed as a part of the installation All necessary fixings Mastics 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 Non-fixed work (see Explanatory notes)

4343 Reconstructed stone slate roofing and wall-hanging**Reconstructed stone, precast concrete and other cement-based slates, cast in shape and with texture and colour to simulate natural slates, with or without ground natural slate incorporated as a filler, fixed to battens as roofing and wall-hanging**

Reconstructed stone, precast concrete and other cement-based slates, cast in shape and with texture and colour to simulate natural slates, fixed to battens Forming eaves, including clips and gap filler Forming verges, including undercloaks, bedding and pointing Forming ridges and hips, including ends, angles and intersections, bedding and pointing Cutting at valleys, openings and abutments, including bedding and pointing Valley and back gutters, soakers and flashings of all types to provide a weathertight installation Underlays of building papers, plastics sheeting, reflective insulation and board and blanket insulation when fixed at the same time and as a part of the installation Battening and counterbattening when fixed as a part of the installation All necessary fixings Mastics 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 Non-fixed work (see Explanatory notes)

4344 Rigid plastics slate roofing and wall-hanging**Rigid plastics in the form, colour and surface finish of natural slate, with or without ground natural slate incorporated as a filler, fixed to battens as roofing and wall-hanging**

Rigid plastics in size, colour and surface texture to simulate natural slate, with or without interlocking joints, fixed to battens Forming eaves, including clips and gap filler Forming verges, including undercloaks, bedding and pointing Forming ridges and hips, including ends, angles and intersections, bedding and pointing Cutting at valleys, openings and abutments, including bedding and pointing Valley and back gutters, soakers and flashings of all types to provide a weathertight installation Underlays of building papers, plastics sheeting, reflective insulation and board and blanket insulation when fixed at the same time and as a part of the installation Battening and counterbattening when fixed as a part of the installation All necessary fixings Mastics 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 Non-fixed work (see Explanatory notes)

435**Shingle and shake roofing**

4351 Timber shingle and shake roofing and wall-hanging**Timber shingle and shake roofing fixed to timber battens as roofing and wall-hanging**

Sawn timber shingles and split timber shakes, fixed to battens Shingles of manufactured timber boarding, embossed with woodgrain pattern Forming eaves, including clips and gap filler Forming verges, including undercloaks, bedding and pointing Forming ridges and hips, including ends, angles and intersections, bedding and pointing Cutting at valleys, openings and abutments, including bedding and pointing Valley and back gutters, soakers and flashings of all types to provide a weathertight installation Underlays of building papers, plastics sheeting, reflective insulation and board and blanket insulation when fixed at the same time and as a part of the installation Battening and counterbattening when fixed as a part of the installation All necessary fixings Mastics 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 Non-fixed work (see Explanatory notes)

4354 Pressed metal shingle, roofing and wall hanging**Pressed metal shingle, roofing and wall hanging**

Corrosion-protected steel sheet, pressed into forms similar to timber shingles and shakes, with decorative finish, fixed to battens Matching accessories, including ridge and hip cappings, barges, fascias and eaves Cutting at valleys, openings and abutments, including sealing Valley and back gutters, soakers and flashings of all types to provide a weathertight installation Underlays of building papers, plastics sheeting, reflective insulation and board and blanket insulation when fixed at the same time and as a part of the installation Battening and counterbattening when fixed as a part of the installation All necessary fixings Mastics 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 Non-fixed work (see Explanatory notes)

4355 Pressed copper shingle roofing and wall hanging**Pressed copper shingle and shake roofing and wall hanging, fixed to battens**

Copper sheet, pressed into forms similar to timber shingles and shakes, fixed to batten Matching accessories, including ridge and hip cappings, barges, fascias and eaves Cutting at valleys, openings and abutments, including sealing Valley and back gutters, soakers and flashings of all types to provide a weathertight installation Underlays of building papers, plastics sheeting, reflective insulation and board and blanket insulation when fixed at the same time and as a part of the installation Battening and counterbattening when fixed as a part of the installation All necessary fixings Mastics 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 Non-fixed work (see Explanatory notes)

436**Fully supported metal roofing****4361 Fully supported flat steel sheet roofing****Fully supported flat steel sheeting, with protective coating of factory-applied paint, zinc, lead, aluminium-zinc or similar, used as a covering to flat and sloping roofs**

Fully supported flat steel sheeting, with factory-applied anti-corrosive protective coating, as roof covering, with standing seams, rolls and cross welts Linings to gutters, valleys and cesspools, where fixed as part of the installation Fascias Underlays and plastics sheeting, where fixed as part of the installation Underlays of board insulation, where fixed as part of the installation Rain-noise reducing underlays Plywood substrates Fixing clips, expansion clips, tacks, screws and other fixings Mesh coverings to cesspools Associated flashings, back gutters and cappings Wedging into grooves Coating underside of roofing with bitumen to form an isolation layer 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)

4362 Fully supported flat stainless steel sheet roofing**Fully supported flat stainless steel sheeting, used as a covering to flat and sloping roofs**

Flat sheet stainless steel, of selected grade and surface finish, including annealed and impressed finish, and/or terne coated, as roof covering, with standing seams, rolls and cross welts Linings to gutters, valleys and cesspools, where fixed as part of the installation Fascias Underlays and plastics sheeting, where fixed as part of the installation Underlays of board insulation, where fixed as part of the installation Rain-noise reducing underlays Plywood substrates Fixing clips, expansion clips, tacks, screws and other fixings Mesh coverings to cesspools Associated flashings, back gutters and cappings Wedging into

grooves Coating underside of roofing with bitumen to form an isolation layer 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)

4363 Fully supported flat aluminium sheet roofing

Fully supported flat aluminium sheeting, used as a covering to flat and sloping roofs

Flat aluminium sheeting of selected grade and surface finish, including embossed finish, as a roof covering, with standing seams, rolls and cross welts Linings to gutters, valleys and cesspools, where fixed as part of the installation Fascias Underlays and plastics sheeting, where fixed as part of the installation Underlays of board insulation, where fixed as part of the installation Rain-noise reducing underlays Plywood substrates Fixing clips, expansion clips, tacks, screws and other fixings Mesh coverings to cesspools Associated flashings, back gutters and cappings Wedging into grooves Coating underside of roofing with bitumen to form an isolation layer 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)

4364 Fully supported flat copper sheet roofing

Fully supported flat copper and bronze sheeting, used as a covering to flat and sloping roofs

Flat copper and bronze sheeting with standing seams, rolls and cross welts Sheet copper in standardized sheet sizes with preformed standing seams and end joints Linings to gutters, valleys and cesspools, where fixed as part of the installation Fascias Underlays and plastics sheeting, where fixed as part of the installation Underlays of board insulation, where fixed as part of the installation Rain-noise reducing underlays Plywood substrates Fixing clips, expansion clips, tacks, screws and other fixings Mesh coverings to cesspools Associated flashings, back gutters and cappings Wedging into grooves Coating underside of roofing with bitumen to form an isolation layer 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)

4365 Fully supported flat zinc sheet roofing

Fully supported flat zinc and zinc alloy sheeting, used as a covering to flat and sloping roofs

Flat zinc and zinc alloy sheeting with standing seams, rolls and cross welts Linings to gutters, valleys and cesspools, where fixed as part of the installation Fascias Underlays and plastics sheeting, where fixed as part of the installation Underlays of board insulation, where fixed as part of the installation Rain-noise reducing underlays Plywood substrates Fixing clips, expansion clips, tacks, screws and other fixings Mesh coverings to cesspools Associated flashings, back gutters and cappings Wedging into grooves Coating underside of roofing with bitumen to form an isolation layer 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)

4366 Fully supported flat lead sheet roofing

Fully supported flat lead sheeting, used as a covering to flat and sloping roofs

Flat lead sheeting with standing seams, rolls and cross welts Linings to gutters, valleys and cesspools, where fixed as part of the installation Fascias Underlays and plastics sheeting, where fixed as part of the installation Underlays of board insulation, where fixed as part of the installation Rain-noise reducing underlays Plywood substrates Fixing clips, expansion clips, tacks, screws and other fixings Mesh coverings to cesspools Associated flashings, back gutters and cappings Wedging into grooves Coating underside of roofing with bitumen to form an isolation layer 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)

437

Fully supported sheet shingles and slates

4371 Fully supported fibre-reinforced asphalt shingle roofing

Fully supported fibre-reinforced asphalt shingles, self-adhered or fastened to substrate

Fully supported fibre-reinforced asphalt shingles, with mineral or ceramic granules on exposed faces, fastened and/or stuck to substrate Fully supported fibre reinforced asphalt shingles, with flat sheet aluminium or copper on exposed faces Saturated felt underlay Forming eaves and barges, including drip edge Forming closed cut valleys Hips and ridges formed from the asphalt sheeting Plastics or sheet metal valleys, gutters, hips, ridges, etc. Soakers, flashings and flexible pipe boots, of all types to provide a weathertight installation Underlays and plastics sheeting when fixed at the same time and as a part of the installation Plywood substrates All necessary fixings 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 Non-fixed work (see Explanatory notes)

4372 Fully supported built-up felt shingle roofing

Fully supported built-up felt sheeting, cut to simulate shingling, laid as overlapping sheets, selfsealing or in bitumen or similar compounds, with natural or applied surface finish

Flexible sheets of built-up felt, cut to shape of multiple shingles, with natural or applied surface finish, nailed to substrate Accessories of plain built-up felt sheets Primers, bonding and adhesive compounds, including lap, joint and flashing tapes Forming eaves and barges, including drip edge Forming closed cut valleys Hips and ridges formed from the sheeting Plastics or sheet metal valleys, gutters, hips, ridges, etc. Soakers, flashings and flexible pipe boots, of all types to provide a weathertight installation Underlays and plastics sheeting when fixed at the same time and as a part of the installation Plywood substrates All necessary fixings 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 Non-fixed work (see Explanatory notes)

4373 Fully supported thermoplastic or flexible plastics or rubber sheet slating

Fully supported thermoplastic or flexible plastics or rubber sheeting, cut to simulate slating, fixed to substrate with adhesives

Fully supported thermoplastic or flexible plastics or rubber sheeting, cut to simulate slating and secured with adhesives Forming eaves and barges, including drip edge Forming closed cut valleys Hips and ridges formed from the asphalt sheeting Plastics or sheet metal valleys, gutters, hips, ridges, etc. Soakers, flashings and flexible pipe boots, of all types to provide a weathertight installation Underlays and plastics sheeting when fixed at the same time and as a part of the installation Plywood substrates All necessary fixings 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 Non-fixed work (see Explanatory notes)

438

Miscellaneous roofing and decking

4381 Louvred roofing

Roof covering of interlocking extruded aluminium louvre blades, with powder-coat or anodised finish, rotated electrically to provide a weatherproof roof with the louvres in the closed position but admitting light and air when the louvres are open

Complete with gutters and downpipes Electric motors and power supply

4382 Pneumatic roof covering

4383 Timber decking

Decking of timber planks or boards, fixed to framing, not waterproof

Timber boards or planks, including individual spaced boards, tongue and groove, truck decking etc fixed to framing, forming a non-waterproof deck surface. Sanding, sealing and otherwise preparing surfaces for finishes off site Preparing surfaces to receive finishes on site Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

4384 Decking

Decking of manufactured planks, boards or panels, not waterproof

Manufactured boards, planks or panels, of any material including, individual spaced boards, tongue and groove, composite panels etc fixed to framing or on proprietary decking supports, forming a

nonwaterproof deck surface. Accessories and components for fixing and support Preparing surfaces to receive finishes on or off site Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

439

Ancillary items

4393 Flashings and roof gutters

4394 Under-roof underlays, membranes and safety mesh

Under-roof underlays, insulating membranes and safety mesh below roofing when not installed as part of the roofing installation

Underlays to control condensation, when not included in the cladding installation

4395 External insulation

Insulation applied on top of the roofing when not installed as part of the roofing installation

Insulation in the form of sprayed coatings and reflective coatings, applied to the roofing

4396 Flashings and sealants

Flashings and sealants to roofing

Flashings and sealants to make roofings weathertight, when not included in the roofing installation

4397 Roof vents

Roof vents fixed into roofing other than membrane roofing

Standard, purpose made and proprietary roof vents and frames, non-glazed, constructed of steel, stainless steel, aluminium, bronze, plastics, metal-cored plastics, timber, timber and metal, composite materials, etc. Roof vents incorporating exhaust fans Fire-rated roof vents Automatically opening roof vents Sliding, swivelling and rotating roof vents Ancillary items, where an integral part of the roof vent, including hardware, trim, flashings, operating gear, security screens, insect barriers, etc. Installing in roofing and covering, 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 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)

4398 Cleaning, repairing and renovating existing roofing

4399 Alteration work; demolishing and reconstructing roofing

44

Membrane roofing

441

Trowelled membrane roofing

4411 Mastic asphalt roofing

Mastic asphalt roofing, including vapour barriers, underlays, board/slab insulation (whether below or above the waterproof covering), bitumen based screeds and surface finishes of paint, gravel or chippings. Tiles, paving slabs, stools, concrete wearing slabs, etc., where installed as part of the roofing work

Preparation of substrate, including priming and filling cracks Mastic asphalt roof coverings, including sand blinding Surfacing of asphalt and/or roofing asphalt to multi-storey car parks Bitumen-based dry screeds Vapour barriers Primers and bonding compounds including taping substrate joints Felt, glass fibre and similar underlays Metal lathing Movement joints and cappings Internal angle fillets Edges, drips, arrises, turning nibs into grooves, etc. Work to duct covers, flashings, etc. Skirting and aprons Gutters, channels, valleys and kerbs, sumps and roof drains Metal edge trim and anchor strips Solar reflective coating, where installed as part of the work Insulation, above or below the membrane, where installed as part of

the work Chips and/or gravel where installed as part of the work Vents to release vapour from below the membrane Paving tiles, etc., including any supporting stools, where installed as part of the roofing work Wire mesh covers to sumps 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)

442**Sheet membrane roofing**

4421 Bitumen based sheet roofing**Membrane roofing, of bitumen or bitumen based sheets to near flat or pitched roofs, fully supported**

Preparing the substrate to receive the membrane Mineral fibre reinforced bitumen based sheeting bonded to mineral fibre or polyester bituminous felt, supplied in rolls, to near flat and pitched roofs, fully supported, with lapped joints in single or multiple layers, fully or partially bonded to the substrate Membrane carried up and down vertical surfaces, turned into grooves at edge, extended as linings to box and shaped gutters and sumps, with fillets at internal angles Finished at eaves and exposed edges with aluminium trim or turned over timber battens Movement joints, rolled joints, cappings, etc. Solar reflective and protective coating and sheeting where installed as part of the work Insulation, above or below the membrane, where installed as part of the work Chips and/or gravel where installed as part of the work Vents to release vapour from below the membrane Paving tiles, etc., including any supporting stools, where installed as part of the work Wire mesh covers to sumps Metal edge trim and anchor 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)

4422 Synthetic rubber sheet membrane**Membrane roofing of all forms of synthetic rubber sheeting, to near flat or pitched roofs, fully supported**

Preparing the substrate to receive the membrane Synthetic rubber sheet roofing, in roll form, bonded to the substrate or loose laid, with lapped and sealed joints Membrane carried up and down vertical surfaces, turned into grooves at edge, extended as linings to box and shaped gutters and sumps, with fillets at internal angles Finished at eaves and exposed edges with aluminium trim or turned over timber battens Movement joints, rolled joints, cappings, etc. Solar reflective and protective coating and sheeting where installed as part of the work Insulation, above or below the membrane, where installed as part of the work Chips and/or gravel or pebble ballast where installed as part of the work Vents to release vapour from below the membrane Paving tiles, etc., including any supporting stools, where installed as part of the work Wire mesh covers to sumps Metal edge trim and anchor 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)

4423 Modified bitumen sheet roofing**Membrane roofing of modified bitumen (SBS) or (APP) torched onto near flat or pitched roofs, fully supported**

Preparing substrate to receive the membrane Modified bitumen sheet roofing in single or multiple layers, without or with reinforcing of woven or non-woven fabric of glass or synthetic fibres, with or without a protective plastics film self-coloured or with adhered granule finish, laid with lapped and sealed joints, the membrane bonded or torched onto the substrate Membrane carried up and down vertical surfaces, turned into grooves at edge, extended as linings to box and shaped gutters and sumps, with fillets at internal angles Special landscape and planting membranes where installed as part of the work Finished at eaves and exposed edges with aluminium trim or turned over timber battens Movement joints, rolled joints, cappings, etc. Solar reflective and protective coating and sheeting where installed as part of the work Insulation, above or below the membrane, where installed as part of the work Chips and/or gravel or pebble ballast where installed as part of the work Vents to release vapour from below the membrane Paving tiles, etc., including any supporting stools, where installed as part of the work Wire mesh covers to sumps Metal edge trim and anchor 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)

4424 Sheet plastics roofing**Membrane roofing of plastics sheets to near flat or pitched roofs, fully supported**

Preparing substrate to receive membrane Sheet plastics in single or multiple layers, with or without a reinforcing fabric, with a self-coloured or applied finish, laid loose or bonded to the substrate, with lapped and sealed joints Membrane carried up and down vertical surfaces, turned into grooves at edge, extended as linings to box and shaped gutters and sumps, with fillets at internal angles Finished at eaves and exposed edges with aluminium trim or turned over timber battens Movement joints, rolled joints, cappings, etc. Solar reflective and protective coating and sheeting where installed as part of the work Insulation, above or below the membrane, where installed as part of the work Chips and/or gravel or pebble ballast where installed as part of the work Vents to release vapour from below the membrane Paving tiles, etc., including any supporting blocks, where installed as part of the work Wire mesh covers to sumps Metal edge trim and anchor 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)

443**Liquid-applied membrane roofing and waterproofing****4432 Liquid applied membrane waterproofing**

Liquid-applied plastics membrane roofing, with or without reinforcing fabric and fibres, in selected colours, brush or spray applied in single or multiple coats Board or slab insulation either above or below the waterproofing. Tiles, paving slabs, concrete wearing slabs, etc., where installed as part of the roofing work

Preparing substrate to receive membrane including priming coat Liquid-applied plastics, with or without reinforcing fabric and fibres, in selected colours, applied in single or multiple coats Liquid-applied aqueous acrylic coating, with or without reinforcing fabric or fibres, in selected colours, applied in single or multiple coats Single layer coating to shower bases and other wet areas internally Forming verges, gutters, sumps, etc. Solar reflective coating and sheeting when installed as part of the work Insulation, above or below the membrane, where installed as part of the work Chips and/or gravel where installed as part of the work Vents to release vapour from below the membrane Paving tiles, etc., including any supporting blocks, where installed as part of the work Wire mesh covers to sumps 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)

444**Protection of surfaces****4441 Insulation and protection to roofing membranes**

Insulation, protection and reflective finishes installed subsequent to and when not part of the laying of the roofing membrane

Preparing substrate Insulation applied on top of the membrane Loose gravel placed on the roof surface Reflective sheet applied to the membrane or to the board insulation Reflective paint coating applied to the membrane or to the board insulation 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)

4442 Trafficable surface on roofing membranes

Providing a trafficable surface on a roofing membrane subsequent to and when not part of its installation

Preparing substrate Installing loose-laid walkway matting Installing trafficable concrete paving tiles directly or on stools 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)

4443 Soil and sod roofing**448****Membrane roofing miscellaneous****4481 Leak detection testing of membrane roofing****449**

Ancillary items

- 4491 Underlays**
Underlays
 Underlays to make membrane roofing weatherproof, when not included in the roofing installation
- 4492 Flashings**
Flashings to roofing Flashings to make membrane
 Flashings to make membrane roofing weatherproof, when not included in the cladding installation
- 4493 Sealants**
Flashings to roofing
 Flashings to roofing
- 4494 Roof vents**
Roof vents fixed into roofing and membrane roofing
 Standard, purpose made and proprietary roof vents and frames, non-glazed, constructed of steel, stainless steel, aluminium, bronze, plastics, metal-cored plastics, timber, timber and metal, composite materials, etc. Roof vents incorporating exhaust fans Fire-rated roof vents Automatically opening roof vents Sliding, swivelling and rotating roof vents Ancillary items, where an integral part of the roof vent, including hardware, trim, flashings, operating gear, security screens, insect barriers, etc. Installing in roofing and covering, 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 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)
- 4495 Membrane Accessories**
Membrane accessories proprietary or preformed
 Gratings and outlets Sumps Overflow Outlets
- 4497 Cleaning, repairing and renovating existing membrane roofing**
- 4498 Alteration work; demolishing and reconstructing membrane roofing**

45 Windows and doors

451 Timber windows, doors and roof lights

- 4511 Timber windows, doors and roof lights**
Timber windows, doors and roof lights, including proprietary windows, doors and roof lights installed in external faces of buildings
 Suites of timber windows, doors and roof lights, including hinged, pivoting, sliding/folding, sliding/stacking, rolling, revolving and sliding sashes and doors, timber fixed lights, hatches, panels, etc., associated frames, and installed in the external face Insect screening when supplied with the suites Privacy and solar screening when supplied with the suites Glazing, ventilation panels, etc., supplied and fixed on/off site Supplying and fixing hardware, and fixing hardware supplied by others Architraves, trim, etc., when supplied with the suites Sealants and airseals Weatherbars and head, sill and jamb flashings 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)
- 4512 Timber screens and shutters**

Timber screens and shutters, fixed externally, for decorative purposes or security and light control; screens with infill of louvres, mesh, bars, etc., to prevent the ingress of people, rain, 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 rain, animals and debris Timber screens and associated frames and supports, fixed externally or internally to control heat and light, with fixed or adjustable blades Timber shutters to doors and windows, hinged or sliding, fixed externally or internally Timber lightproof fixed louvred 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)

4514 Timber roof and ceiling windows and lights

Timber lights fixed into roofing and ceilings

Standard, purpose made and proprietary fixed or hinged timber roof windows and lights, including lights with metal external facing, complete with glazing Proprietary roof and balcony timber windows Glazed lights, set into ceilings Window control gear Rain sensor controlled roof lights Blinds, screens, ventilation incorporated in the roof lights Ancillary items where an integral part of the roof lights and frames, including glazing, hardware, lighting, fire-rated ceiling barrier, trim, vents, security screens, insect barriers, operating gear and flashings Associated light-transmitting ductwork to illuminate spaces below, including glazed sash to seal lower end Installing into roofing Preparing surfaces and applying decorative finishes off site Preparing surfaces to receive decorative finishes on site Non-fixed work (see Explanatory notes)

452

Aluminium windows, doors and roof lights

4521 Aluminium windows and doors

Aluminium windows, doors and frames, installed in external faces of buildings

Suites of aluminium windows, doors and frames, including hinged, pivoting, sliding/folding, sliding/stacking, rolling, revolving and sliding sashes and doors, aluminium fixed lights, hatches, panels, etc., installed in external walling Aluminium sub frames Insect screening when supplied with the suites Privacy screening when supplied with the suites Sun control louvres where integral with window Supplying and fixing hardware, and fixing hardware supplied by others Glazing, ventilation panels, etc., supplied and fixed on/off site Architraves, trim, etc., when supplied with the suites Sealants and airseals Weatherbars and head, jamb and sill flashings when supplied with the suites Contractor design and shop drawings Installation Sill supports Preparing surfaces and applying protective coatings and decorative finishes off site Non-fixed work (see Explanatory notes)

4522 Aluminium screens and shutters

Aluminium screens and associated frames for decorative purposes or security and light control; screens with infill of louvres, mesh, bars, etc., to prevent the ingress of people, rain and objects

Aluminium decorative screens, including associated frames Aluminium security screens to openings, including associated frames, fixed externally or internally Aluminium screens and associated frames to openings, including louvres and wire mesh screening to air intake and relief openings, to exclude rain, sound, animals and debris Screens of perforated aluminium sheet, woven or mesh aluminium wire, fixed to building facades Aluminium screens and baffles, with associated frames and supports, fixed externally or internally to control light and heat, with fixed or adjustable blades of metal, glass, plastics, etc. Aluminium shutters to doors and windows, hinged or sliding, fixed externally or internally Aluminium lightproof fixed louvred screens and frames Securing screens and frames to the building fabric with all necessary anchors, fixings, etc. Hardware, operating gear, etc. Connecting electrically operated adjustable screens and louvres 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 Non-fixed work (see Explanatory notes)

4524 Aluminium roof and ceiling windows and lights

Aluminium lights fixed into roofing and ceilings

Standard, purpose-made and proprietary fixed or hinged aluminium roof windows and lights, complete with glazing Glazed lights set into ceilings Blinds, screens, ventilation incorporated in roof lights Automatic-venting roof lights Rain sensor controlled roof lights Associated light-transmitting ductwork to

illuminate spaces below, including glazed sash to seal lower end Fans forming part of the installation Ancillary items where an integral part of the roof lights and frames, including glazing, hardware, lighting, firerated ceiling barrier, trim, vents, security screens, insect barriers, operating gear and flashings Installing in roofing 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)

453
Steel windows, doors and roof lights

4531 Steel windows, doors and frames (Sets)
Steel windows, doors and frames, installed in external faces of buildings

Suites of steel windows, doors and frames, including hinged, pivoting, sliding/folding, sliding/stacking, rolling, revolving and sliding sashes and doors, aluminium fixed lights, hatches, panels, etc., installed in external walling Steel sub frames Insect screening when supplied with the suites Privacy screening when supplied with the suites Sun control louvres where integral with window Supplying and fixing hardware, and fixing hardware supplied by others Glazing, ventilation panels, etc., supplied and fixed on/off site Architraves, trim, etc., when supplied with the suites Sealants and airseals Weatherbars and head, jamb and sill flashings when supplied with the suites Contractor design and shop drawings Installation Sill supports 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)

4532 Steel screens and shutters
Steel screens and associated frames for decorative purposes or security and light control; screens with infill of louvres, mesh, bars, etc., to prevent the ingress of people, rain, animals and objects

Steel decorative screens, including associated frames Steel security screens to openings, including associated frames, fixed externally or internally Steel screens and associated frames to openings, including louvres, acoustic louvres and wire mesh screening to air intake and relief openings to exclude sound, rain, animals and debris Screens of perforated sheet steel, woven or mesh steel wire, fixed to building facades Steel screens and baffles, with associated frames and supports, fixed externally or internally to control light and heat, with fixed or adjustable blades of metal, glass, plastics, etc. Steel shutters to doors and windows, hinged or sliding, fixed externally or internally Steel lightproof fixed louvred screens and frames Securing screens and frames to the building fabric with all necessary anchors, fixings, etc. Hardware, operating gear, etc. Connecting electrically operated adjustable screens and louvres 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 Non-fixed work (see Explanatory notes)

4534 Steel roof and ceiling windows and lights
Steel lights fixed into roofing and ceilings

Standard, purpose-made and proprietary fixed or hinged steel roof windows and lights, complete with glazing Glazed lights set into ceilings Blinds, screens, ventilation incorporated in roof lights Automatic-venting roof lights Rain sensor controlled roof lights Associated light-transmitting ductwork to illuminate spaces below, including glazed sash to seal lower end Fans forming part of the installation Ancillary items where an integral part of the roof lights and frames, including glazing, hardware, lighting, firerated ceiling barrier, trim, vents, security screens, insect barriers, operating gear and flashings Installing in roofing 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)

454
Plastics windows, doors and roof lights

4541 Plastics windows, doors and frames
Plastics (uPVC) windows, doors and frames, installed in external faces of buildings

Suites of plastics windows, doors and frames, including hinged, pivoting, sliding/folding, sliding/stacking, rolling, revolving and sliding sashes and doors, aluminium fixed lights, hatches, panels, etc., installed in external walling Insect screening when supplied with the suites Privacy screening when supplied with the suites Sun control louvres where integral with window Supplying and fixing hardware, and fixing hardware supplied by others Glazing, ventilation panels, etc., supplied and fixed on/off site Architraves, trim, etc.,

when supplied with the suites Sealants and airseals Weatherbars and head, jamb and sill flashings when supplied with the suites Contractor design and shop drawings Installation Sill supports Non-fixed work (see Explanatory notes)

4542 Plastics screens and shutters

Plastics (uPVC) screens and associated frames for decorative purposes or security and light control; screens with infill of louvres, mesh, bars, etc., to prevent the ingress of people, rain, animals and objects

Plastics decorative screens, including associated frames Plastics security screens to openings, including associated frames, fixed externally or internally Plastics screens and associated frames to openings, including louvres, acoustic louvres and wire mesh screening to air intake and relief openings to exclude sound, rain, animals and debris Plastics screens and baffles, with associated frames and supports, fixed externally or internally to control light and heat, with fixed or adjustable blades of metal, glass, plastics, etc. Plastics shutters to doors and windows, hinged or sliding, fixed externally or internally Plastics lightproof fixed louvred screens and frames Securing screens and frames to the building fabric with all necessary anchors, fixings, etc. Hardware, operating gear, etc. Connecting electrically operated adjustable screens and louvres 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 Non-fixed work (see Explanatory notes)

4543 Flexible plastics doors and screens

Doors and screens constructed of flexible plastics

Hinged doors of flexible sheet plastics, including hardware Screens to openings of flexible plastics strips including gravity flaps Screens to openings of flexible plastics strips, extending from floor to ceiling, acting as a partition while providing unrestrained access Screens to openings of plastics beads on flexible cords Installation

4545 Plastics roof and ceiling windows and lights

Plastics (uPVC) lights fixed into roofing and ceilings

Standard, purpose-made and proprietary fixed or hinged plastics roof windows and lights, complete with glazing Glazed lights set into ceilings Blinds, screens, ventilation Rain sensor controlled roof lights Automatic-venting roof lights Associated light-transmitting ductwork to illuminate spaces below, including glazed sash to seal lower end Fans forming part of the installation Ancillary items where an integral part of the roof lights and frames, including glazing, hardware, lighting, fire-rated ceiling barrier, trim, vents, security screens, insect barriers, operating gear and flashings Installing in roofing 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)

455

Composite windows, doors and roof lights, including garage doors

4551 Composite windows, doors and frames

4553 Composite exterior doors

Composite exterior doors and frames, including side and overlights, installed in the exterior face of buildings. Doors that are distinct from the buildings window/door suite and are not special performance.

Preparing surfaces to receive protective coatings and decorative finishes on site Sub frames Insect or security screening when supplied with the suites Doors and frames, including hinged or pivoting, installed in external walling Supplying and fixing hardware, and fixing hardware supplied by others Weatherbars and head, jamb and sill flashings when supplied with the suites Installation Sealants and airseals Architraves, trim, etc., when supplied with the suites Glazing, ventilation panels, etc., supplied and fixed on/off site Preparing surfaces and applying protective coatings and decorative finishes off site Sill supports Contractor design and shop drawings

4554 Composite roof and ceiling windows and lights

Composite lights fixed into roofing and ceilings

Standard, purpose-made and proprietary fixed or hinged composite roof windows and lights, complete with glazing Glazed lights set into ceilings Blinds, screens, ventilation incorporated in roof lights

Automatic-venting roof lights Rain sensor controlled Associated light-transmitting ductwork to illuminate spaces below, including glazed sash to seal lower end Fans forming part of the installation Ancillary items where an integral part of the roof lights and frames, including glazing, hardware, lighting, fire-rated ceiling barrier, trim, vents, security screens, insect barriers, operating gear and flashings Installing in roofing 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)

4555 Garage doors

Garage doors and frames, and proprietary composite door and frame sets installed in external faces of buildings

Suites of composite garage doors and frames, composite fixed lights, hatched, panels, etc., installed in external walling Installation in door frames Composite subframes Composite door frames shaped to suit the doors to be installed Sills and transoms incorporated into the frames Door sets of proprietary composite door frames and composite doors, including hinged, sliding, roll-up, horizontally rolling, up and over, sliding/folding, and sliding/stacking doors Glazing, hardware, ventilation panels, etc., supplied and fixed off site Fixing supplied hardware Architraves, trim, etc., when supplied with the suites Weatherbars and flashings 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)

456

Sundry metal doors, windows and roof lights

4561 Stainless steel windows, doors and frames (sets)

Stainless steel windows, doors and frames, installed in external faces of buildings

Suites of stainless steel windows, doors and frames, including hinged, pivoting, sliding/folding, sliding/stacking, rolling, revolving and sliding sashes and doors, stainless steel fixed lights, hatches, panels, etc., installed in external walling Stainless steel sub frames Insect screening when supplied with the suites Privacy screening when supplied with the suites Sun control louvres where integral with window Supplying and fixing hardware, and fixing hardware supplied by others Glazing, ventilation panels, etc., supplied and fixed on/off site Architraves, trim, etc., when supplied with the suites Sealants and airseals Weatherbars and head, jamb and sill flashings when supplied with the suites Contractor design and shop drawings Installation Sill supports 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)

4562 Stainless steel screens and shutters

Stainless steel screens and shutters

Stainless steel decorative screens, including associated frames Stainless steel security screens to openings, including associated frames, fixed externally or internally Stainless steel screens and associated frames to openings, including louvres and wire mesh screening, to air intake and relief openings to exclude rain, animals and debris Screens of perforated stainless steel sheet, woven or mesh stainless steel wire, fixed to building facades Stainless steel screens and baffles, with associated frames and supports, fixed externally or internally to control light and heat, with fixed or adjustable blades of metal, glass, plastics, etc. Stainless steel shutters to doors and windows, hinged or sliding, fixed externally or internally Stainless steel lightproof fixed louvred screens and frames Securing screens and frames to the building fabric with all necessary anchors, fixings, etc. Hardware, operating gear, etc. Connecting electrically operated adjustable screens and louvres 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 Non-fixed work (see Explanatory notes)

4564 Stainless steel roof and ceiling windows and lights

Stainless steel lights fixed into roofing and ceilings

Standard, purpose-made and proprietary fixed or hinged stainless steel roof windows and lights, complete with glazing Glazed lights set into ceilings Blinds, screens, ventilation incorporated in roof lights Automatic-venting roof lights Rain sensor controlled roof lights Associated light-transmitting ductwork to illuminate spaces below, including glazed sash to seal lower end Fans forming part of the installation Ancillary items where an integral part of the roof lights and frames, including glazing, hardware, lighting, fire-rated ceiling barrier, trim, vents, security screens, insect barriers, operating gear and flashings Installing in roofing 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)

4565 Bronze windows, doors and frames (sets)

Bronze windows, doors and frames, installed in external faces of buildings

Suites of bronze windows, doors and frames, including hinged, pivoting, sliding/folding, sliding/stacking, rolling, revolving and sliding sashes and doors, stainless steel fixed lights, hatches, panels, etc., installed in external walling Bronze sub frames Insect screening when supplied with the suites Privacy screening when supplied with the suites Sun control louvres where integral with suites Supplying and fixing hardware, and fixing hardware supplied by others Glazing, ventilation panels, etc., supplied and fixed on/off site Architraves, trim, etc., when supplied with the suites Sealants and airseals Weatherbars and head, jamb and sill flashings when supplied with the suites Contractor design and shop drawings Installation Sill supports Preparing surfaces and applying protective coatings off site Non-fixed work (see Explanatory notes)

4566 Bronze roof and ceiling windows and lights

Bronze lights fixed into roofing and ceilings

Standard, purpose-made and proprietary fixed or hinged bronze roof windows and lights, complete with glazing Glazed lights set into ceilings Blinds, screens, ventilation Automatic-venting roof lights Rain sensor controlled roof lights Associated light-transmitting ductwork to illuminate spaces below, including glazed sash to seal lower end Fans forming part of the installation Ancillary items where an integral part of the roof lights and frames, including glazing, hardware, lighting, fire-rated ceiling barrier, trim, vents, security screens, insect barriers, operating gear and flashings Installing in roofing 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)

4568 Metal windows, doors and roof lights

Metal windows, doors and frames, roof lights, of any metal installed in external faces of buildings

Suites of any metal windows, doors and frames, and roof lights, including hinged, pivoting, sliding/folding, sliding/stacking, rolling, revolving and sliding sashes and doors, fixed lights, hatches, panels, screens, gates etc., installed in external walling Metal sub frames Insect screening when supplied with the suites Privacy screening when supplied with the suites Sun control louvres where integral with suites Rain sensor controlled roof lights Associated light-transmitting ductwork for roof lights to illuminate spaces below, including ceiling fittings Fans forming part of the roof light installation Supplying and fixing hardware, and fixing hardware supplied by others Glazing, ventilation panels, etc., supplied and fixed on/off site Architraves, trim, etc., when supplied with the suites Sealants and airseals Weatherbars and head, jamb and sill flashings when supplied with the suites Contractor design and shop drawings Installation Sill supports Preparing surfaces and applying protective coatings off site Non-fixed work (see Explanatory notes)

457

Sundry windows and doors

4571 Automatic doors

Automated sliding, swinging or revolving doors.

Automatic electro/mechanical doors with leaf and frame of any materials, supply and installation. Pelmetts and other accessories. Operators, sensors, motors, locking mechanisms, safety systems

458

Special windows and doors

4581 Timber fire-rated window, door and frame assemblies

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

Single leaf hinged fire-rated doors and timber frames Double leaf hinged fire-rated doors and timber frames Sliding gravity operated fire-rated doors and timber frames Sliding counterbalanced fire-rated doors and timber 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)

- 4582 Steel fire-rated window, door and frame assemblies**
Proprietary and non-proprietary fire-rated window, door and steel frame assemblies to provide a specified fire-resistance, with manual or automatic operation
Single leaf hinged fire-rated doors and steel frames Double leaf hinged fire-rated doors and steel frames Sliding gravity operated fire-rated doors and steel frames Sliding counterbalanced fire-rated doors and steel frames Sliding and roll-up fire-rated shutters and steel 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)
- 4583 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)
- 4584 Sound insulated door and frame assemblies**
Proprietary and non-proprietary sound insulated door and frame assemblies to provide a specified level of sound attenuation
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 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)
- 4585 Sound insulated windows**
Proprietary and non-proprietary windows to provide a required level of sound attenuation
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 Sealing to openings, holes, and joints as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)
- 4586 Special function windows and doors**
Doors, windows and door and window frame assemblies, designed to suit special functions and to meet specific criteria
Security doors and windows Ballistics doors and windows Blast rated doors and windows Radiation protection doors and windows Cell doors Darkroom entry doors Hangar doors Hygiene doors Strong-room doors Heat-insulated doors
- 4587 Special function screens, door grilles and shutters**
Screens, door grilles, shutters and frame assemblies, designed to suit special functions and to meet specific criteria
Security screens, door grilles and shutters Ballistics screens, door grilles and shutters Blast rated screens and shutters
- 4588 Loading dock door seals and shelters**
Door seal units and door shelters for internal and external doors to restrict the entry of air, rain, heat, dust, animals and insects
Seals, shelters and screens, complete with frames, fixed to the building fabric to restrict the entry of rain, heat, dust, animals and insects Ancillary items where an integral part of the barrier Installing in openings in walling and securing with all necessary anchors, fixings, etc. Connecting electrically operated seals

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

4589 Turnstiles and movement control barriers

Turnstiles and movement control barriers

Turnstiles of steel, stainless steel or aluminium, manually or electrically operated Hinged or pivoted barriers, of steel, stainless steel or aluminium, manually or electrically operated Retractable barriers of steel, stainless steel or aluminium with glass or metal retractable barriers, electrically operated Electrical equipment connected to a designated point of supply

459

Ancillary items; cleaning and repair of existing windows, doors and roof

4591 Flashings

Flashings to doors, windows and roof lights

Flashings to make doors, windows and roof lights weatherproof, when not included in their installation

4592 Sealants

Sealants to doors, windows and roof lights

Sealants to make doors, windows and roof lights weatherproof, when not included in their installation

4593 Adhesives

Adhesives to doors, windows and roof lights

Adhesives for jointing doors, windows and roof lights, when not included in their installation

4594 Other components

Other components for doors windows and roof lights

Subframes, when not included in their installation Hardware, when not included in their installation

4597 Cleaning, repairing and renovating existing doors, windows and roof lights

4598 Alteration work; removing and reconstructing doors, windows and roof lights

46

Glazing

461

Glazing, screens and mirrors

4611 Glazing exterior

Glazing with all types of glass including special glasses and glazing plastics into prepared openings and frames

Glazing using glass, glazing plastics and laminates of all types, including: - multi-sheet insulating glass units (IGU) - self-cleaning glass - safety glass - ESD glass - Electrochromic, thermochromic glasses Fire-rated glass in special frames Glass with decorative finishes, screen printing and UV screening, fused on to the surface Etching and surface treatments Laminated glass including special laminates Insulating glass units with blinds and louvred sunscreens incorporated Leadlight panels Installation on site of glass and plastics of all types into openings, windows, doors, shutters, gates, roof lights, window assemblies, balustrades, exposed metal and timber framed facade cladding, vaulting, roofing and walling, precast concrete and prefabricated facade cladding, etc., using putty, sealant, bead, channel, gasket, tape and sealant glazing with distance pieces, location blocks, setting blocks, shims, clips, etc. Simple glass-to-glass joints, including glass reinforcing fins Glass louvre blades All labours including sandblasting, grinding, raking and curved cutting, acid treatment, edge polishing, brilliant cutting, engraving, other surface and edge treatment, bending and curving 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)

4612 Interior Glazing

Interior glazing with all types of glass including special glasses and glazing plastics into prepared openings and frames

Glazing using glass, glazing plastics and laminates of all types, including: - one-way vision glass - safety glass - switchable glass - decorative cast glass - anti-reflection glass - electrical conducting glass Fire-rated glass in special frames Glass with decorative finishes and screen printing, fused on to the surface Etching and surface treatments Laminated glass including special laminates Double glazed units with blinds incorporated Installation of glass and plastics of all types into frames and openings, windows, doors, partitions, balustrades, floors, ceilings, joinery, picture frames, etc., using putty, sealant, bead, channel, gasket, tape and sealant glazing with distance pieces, location blocks, setting blocks, shims, clips, etc. Frameless glass panel and door installation on site, including proprietary brackets, supports, hinges, hardware, sealant, etc. Installation on site of sundry glass panels as overlays, including mirrors and heated mirrors, splash-backs, decorative panels, tops etc., using mechanical fixings, adhesive, double sided foam tape, frames, spacers, sealant, etc. Loose glass tops and shelf installation, including spacers, cushion supports, shelf supports, etc. Simple glass-to-glass joints, including glass reinforcing fins All labours including sandblasting, grinding, raking and curved cutting, acid treatment, edge polishing, brilliant cutting, engraving, other surface and edge treatment, bending and curving 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)

4613 Mirrors

Mirrors fixed to walls for specific reflections

Mirrors fixed to walls of bathrooms, toilet areas, dressing rooms, hair dressing facilities, etc., to provide viewers with their reflections Mirrors with integral light fittings and/or electrical elements for condensation control Installation, including frames, anchors and fixings Connecting electrically illuminated and/or heated mirrors to a designated point of electrical supply Non-fixed work (see Explanatory notes)

4614 Special Glazing

Glazing with special types of glass for particular special performance requirements

Glazing using glass, glazing plastics and laminates of all types, including: - Fire-rated glass, insulated, non-insulated and wired - Heat resistant glass and ceramic - Security glass - Anti-bandit glass - Blast resistant glass - Ballistics glass - Security glass blocks - IT shielding glass - X-Ray shielding glass Installing glazing and glass blocks in special frames to achieve required performance 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)

4615 Films applied to glass

Translucent and transparent films sprayed on to or applied to glass and glazing plastics Films in sheet form applied to glass to control solar radiation, by absorption and/or reflection, including

Films in sheet form applied to glass to control solar radiation, by absorption and/or reflection, including colour control Films in sheet form to provide decorative patterns Films in sheet form applied to strengthen glass and to minimise scattering of broken glass following damage by impact Films sprayed on to glass to control solar radiation by absorption and/or reflection, including colour control Translucent mirroring films for one-way vision

462

Translucent block walls and panels

4621 Glass block walling

Blockwork consisting of glass blocks, wet jointed with mortar or jointed with sealant joints, to form wall panels, set dry in a metal or timber frame or in prepared openings

Glass blocks of all types and sizes Frames to openings of aluminium, timber and steel Mortar, reinforcing rods, compressible filler, bedding and jointing mastic (wet jointing) Sealant, reinforcing bars, plastic clips, 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)

4622 Fire-rated glass block walling

A fire-rated wall assembly constructed of glass blocks in an approved frame Glass blocks

Glass blocks of types and sizes approved for use in fire-rated wall assemblies Mortar, panel anchors and reinforcement Expansion jointing and joint filling and sealing Installing as required to provide the required fire rating Forming openings as required to suit subcontractor and General Contractor responsibility Sealing to openings and joints as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

4623 Translucent plastics block walling

Blockwork of translucent plastics blocks, jointed with sealant, set in a frame or in prepared openings

Translucent plastics blocks of all types Frames to openings when part of the installation Jointing, reinforcing and sealing Forming openings and cutting holes as required to suit subcontractor and General Contractor responsibility Panels with acrylic glazing in small panels, simulating plastics block walling Sealing to openings, holes and joints as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

4624 Profiled glass walling

463

Special frameless and structural glazing

4631 Structural glass assemblies

Walling, screens and partitions consisting of glass sheets, in which the glass weight, wind, impact and other loads are carried first by the structure then the glass itself and finally transmitted to trusses, glazing bars, sills, mullions and transoms by means of structural silicone or mechanical fixings (e.g. spiders). The glass sheets and any glass fins are joined directly together by adhesive sealants and/or mechanical fixings (e.g. Patches)

Toughened, toughened/laminated glass of all types Glass fins or similar stiffeners Proprietary fixings including spiders, patches, brackets Pre-drilling glass for fixings, notches and holes Jointing, grouting, sealing Glass shop fronts, walls, entrance screens Glass squash court walls and similar assemblies Frameless glass doors, supplied and fixed or as an integral part of the assembly Frameless glass balustrades Accessories, including framing and hardware to doors, openings, etc. Flashings and weatherproofing of adjoining work when forming part of the structural glass assembly Forming openings 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)

4632 Structural glass flooring and roofing

Safety and/or laminated glass and glass blocks set into a frame, fixed to framework as structural glass flooring and roofing

Safety and/or laminated glass, prepared for fixing and secured to supporting framework Sacrificial glass wearing surfaces Glass structural blocks, installed in metal frames and secured to supports as floor surface Glass structural blocks, set flush into flat roofing to allow light entry 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)

4633 Frameless glass doors and unframed glass screen assemblies

Frameless glass doors installed in openings and as part of screen assemblies of unframed glass, incorporating doors, for internal and external installation as walls and partitions

Frameless toughened glass doors, hinged, pivoting or sliding, installed in openings Unframed toughened glass sheets assembled to form a screen, with or without sealant jointing, with hinged and/or sliding doors incorporated into the screen Associated hardware, including electrical operation Connecting door operators to a designated point of electrical supply Non-fixed work (see Explanatory notes) Frameless glass doors in assemblies (45-21, 45-31, 45-41, 45-51, 46-51)

4634 Bathroom glazed screens and enclosures**Glazed screens installed to restrict water splash**

Glazed screens, with fixed, sliding, pivoted, rolling and hinged doors, to shower, bath and other toilet fittings, including hardware, to provide part or full enclosure Installing screens with mechanical and sealant joints on or adjacent to the toilet fittings Glazing with all types of safety glass and plastics, framed or frameless, using sealants, etc. Simple glass-to-glass joints Decorative treatment to glass and plastics Non-fixed work (see Explanatory notes)

4635 Frameless glass sliding/stacking doors**Multiple frameless glass doors which function as shop-fronts, external walling or as a partition when closed, with operating equipment for each sheet to slide and stack**

Frameless sheets of toughened glass, each attached to operating equipment which slides and stacks the sheets Associated hardware Electrical operating equipment Connecting operating equipment to a designated point of electrical supply Non-fixed work (see Explanatory notes)

4636 Full height frameless glass partitions**Full height partitions of unframed glass**

Partitions formed of sheets of full height safety glass Metal edging to top and bottom edges of glass Securing devices to hold glass sheets in position Vertical joints between glass sheets left unfilled or filled with a transparent sealant Forming openings as required to suit subcontractor and General Contractor responsibility Sealing to openings as required to suit subcontractor and General Contractor responsibility Non-fixed work (see Explanatory notes)

469**Ancillary items; repairing and altering glazing**

4691 Components**4692 Special hardware****4693 Sealants****4697 Cleaning, restoring and renovating existing glass and glazing****4698 Alteration work; removing and reconstructing glazing****47****Insulation**

471**Thermal insulation**

4711 Thermal insulation**Board, faced or unfaced, sheet, bubble plastics, blanket, corkboard, reflective foil, preformed rigid casings and foamed, sprayed and loose fill insulation installed to reduce the transfer of heat**

Sheet, rigid or flexible board, quilts and blanket insulation, wrapped and unwrapped, installed independently of work included in other Work sections Insulating panels of all types Foamed resin and loose fill insulation, injected or blown into spaces and cavities Liquid-applied thermal insulation Reflective foil insulation Insulating foils, papers and films Reflective membranes and coatings

472**Sound insulation**

4721 Sound insulation

Insulation in the form of batts, blankets and loose fill, uncovered or covered with flexible or rigid

sheet materials, spray-on insulation utilised to provide or achieve sound insulation

Batts and blankets placed in position Insulating loose fill Spray-applied sound insulation Rigid and flexible sheet and board insulation Insulating panels of all types, including metal sheeting Insulating quilts, blankets and batts Preformed insulation to pipes, ducts, etc. Non-fixed work (see Explanatory notes)

473**Fire insulation****4731 Fire insulation****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)

479**Ancillary items; repairing and altering fire suppression systems****4791 Ancillary items****4797 Cleaning, repairing and renovating insulation****4798 Alteration work; removing and reconstructing insulation****48****Enclosure sundries****481****Sealants and fillers****4811 Sealants****Installation of sealants and fillers to openings, holes and joints not associated with and/or included in other Work sections**

Cleaning and preparing the substrate by chemical or mechanical means Applying primers and sealers Installing backing strips Preformed and pillow intumescent sealers Gun applied and putty packed intumescent sealers Intumescent jackets to pipes and ducts Bentonite intumescent tapes Pneumatic sealers Preformed sealants and fillers Gun applied sealants and fillers- all types Painting exposed surfaces Non-fixed work (see Explanatory notes)

482**Flashings****4821 Flashings****Flashings when not associated with and/or included in other Work sections**

Custom made flashings not forming part of any proprietary system Flashings by material Flashings by material and location Flashings by material by cladding type Installation of flashings

483**Adhesives and fastenings****4831 Adhesives****Adhesives of all materials and types when not associated with and/or included in other Work sections**

Adhesives by type Adhesives by use with materials and components Application

4832 Fastenings

485 Balustrades and barriers

4851 Timber balustrades

Balustrades 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)

4852 Metal balustrades

Balustrades consisting largely of a metal 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

Metal or non-metal handrails Metal stair balustrading, with rails, posts, uprights, newels, etc., with metal balusters, metal balustrading or prepared to receive balustrading infill of other materials Metal barriers and balustrading, with rails, posts, uprights, screening, etc., with metal balusters, metal balustrading or prepared to receive infill screening of other materials Infilling of glass, plastics, timber 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)

4855 Glass balustrades

Balustrades consisting largely of a sheet glass 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

Handrails of any material Glass stair balustrading Glass barriers and balustrading Infilling of timber, 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, channels, pockets, discs, spider fittings, 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)

488 Enclosure miscellaneous

4881 Bird control

Devices to control bird entry, perching and nesting

Barriers at gaps around doors and shutter openings Mesh and multiple-wire barriers fixed to horizontal surfaces Sprung-wire barriers to ridges, hips, etc. Non-setting sealants and gels on horizontal surfaces

489 Ancillary items

4891 Ancillary items

4897 Cleaning, repairing and renovating sealants, flashings and adhesives

4898 Alteration work; removing and reconstructing sealants, flashings and adhesives

49 Metalwork

491 Steel metalwork

4911 Steel stairs, ladders and balustrades

Steel stairs, ladders, handrails, balustrades and barriers

Fabricated steel 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 steel stairs, including curved and helical stairs, with tread units, strings and vertical supports Fabricated steel stairs, principally of sheet steel, with pans for horizontal surfaces, prepared to receive cementitious or other flooring material Steel ladders, fixed to the building structure, with strings extended as handrails as required Safety hoops, etc., secured to steel ladders Proprietary or non-proprietary loft ladders including associated hatch doors Steel handrails, of hollow or solid section Steel stair balustrading, with rails, posts, uprights, newels, etc., of sheet, hollow or solid steel sections with steel balusters, steel balustrading or prepared to receive balustrading infill of other materials Steel barriers and balustrading, with rails, bars, pipes, mesh screening, etc., of steel 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 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)

4912 Steel floor trench linings, pit covers and floor and roof hatches

Steel linings to trenches and recesses, covers and gratings, with associated frames, to manholes, inspection chambers, floor pits and trenches, and frames and covers to openings in floors and roofs

Purpose-made steel lining to floor pits, trenches and recesses Purpose-made removable steel floor covers, solid or grated, and associated frames and edging, to floor pits and trenches Proprietary manhole and inspection pit covers and frames Proprietary gratings and frames Purpose-made steel 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)

4913 Fire-rated steel covers and frames

Fire-rated floor and roof hatches, covers and access panels

Fire-rated steel framed floor and roof hatches and frames Fire-rated steel covers and frames Fire-rated steel access panels and frames

4914 Miscellaneous steel metalwork

Miscellaneous steel items including bollards and protective devices, storage racks, and minor supporting devices

Steel bollards, angle guards, rubbing strakes and column protection Steel storage racks for general storage, pipes, etc. Steel storage racks for cages, utensils, containers, etc. Steel bicycle racks Steel racks for gas cylinders Fabricated brackets and supports Steel plaques, notices, signs, etc. Steel supports for signs, notices, lights, etc. Steel purpose made safes Steel grates, grilles and trim to fireplaces Steel access panels and frames Steel edgings and fascias Steel weatherbars when not supplied with the frames to openings Cast steel items Steel decorative items 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)

4915 Thin sheet steel items**Items fabricated of thin sheet steel, including casing to structural members, and recessed or surfacemounted cabinets and fixtures**

Sheet steel casing to structural members Sheet steel box gutters, including supports Purpose-made sheet steel linings to openings and recesses 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)

492**Stainless steel metalwork****4921 Stainless steel stairs, ladders and balustrades****Stainless steel stairs, ladders, handrails, balustrades and barriers**

Fabricated stainless steel stairs, tread and riser units, including supporting strings and framing for flights and landings, either with solid stainless steel or grille treads and landings, or prepared to receive precast concrete or timber or laminated timber treads and landings Prefabricated stainless steel stairs, including curved and helical stairs, with tread units, strings and vertical supports Fabricated stainless steel stairs, principally of sheet stainless steel, with pans for horizontal surfaces, prepared to receive cementitious or other flooring material Stainless steel ladders, fixed to the building structure, with strings extended as handrails as required Safety hoops, etc., secured to stainless steel ladders Proprietary or non-proprietary loft ladders including associated hatch doors Stainless steel handrails, of hollow or solid section Stainless steel stair balustrading, with rails, posts, uprights, newels, etc., of sheet, hollow or solid stainless steel sections or with stainless steel balusters, balustrading or prepared to receive balustrading infill of other materials Stainless steel barriers and balustrading, with rails, bars, pipes, mesh screening, etc., of stainless steel 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 railing 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)

4922 Stainless steel floor trench linings, pit covers and floor and roof hatches**Stainless steel linings to trenches and recesses, covers and gratings, with associated frames, to floor pits, manholes, inspection chambers and trenches, and frames and covers to openings in floors and roofs**

Purpose-made stainless steel lining to floor pits, trenches and recesses Purpose-made removable stainless steel floor covers, solid or grated, and associated frames and edging, to floor pits and trenches Proprietary manhole and inspection pit covers and frames Proprietary gratings and frames Purpose-made stainless steel 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)

4923 Fire-rated stainless steel covers and frames**Fire-rated stainless steel floor and roof hatches, covers and access panels**

Fire-rated stainless steel frames floor hatches and frames Fire-rated stainless steel covers and frames Fire-rated stainless steel access panels and frames

4924 Miscellaneous stainless steel metalwork**Miscellaneous stainless steel items including bollards and protective devices, storage racks, and minor supporting devices**

Stainless steel bollards, angle guards, rubbing strakes and column protection Stainless steel storage racks for general storage, pipes, etc. Stainless steel storage racks for cages, utensils, containers, etc. Stainless steel bicycle racks Stainless steel racks for gas cylinders Fabricated brackets and supports Stainless steel supports for signs, notices, lights, etc. Stainless steel proprietary and purpose made safes Stainless steel grates, grilles and trim to fireplaces Stainless steel access panels and frames Stainless steel edgings and fascias Stainless steel weatherbars when not supplied with the frames to openings Stainless steel decorative items Cast stainless steel items Stainless steel plaques, notices, signs, 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) Stainless steel screens (35-42) Thin stainless steel sheet items (35-51) Bollards, external (83-51) Bicycle racks, external (83-51)

4925 Thin sheet stainless steel items

Items fabricated of thin sheet stainless steel, including casing to structural members

Sheet stainless steel casing to structural members Sheet stainless steel box gutters, including supports Purpose-made sheet stainless steel linings to openings and recesses 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) Proprietary sheet stainless steel linings to recesses for fire hose reels and equipment Stainless steel access panels

493

Aluminium metalwork

4931 Aluminium stairs, ladders and balustrades

Aluminium stairs, ladders, handrails, balustrades and barriers

Fabricated aluminium stairs, tread and riser units, including supporting strings and framing for flights and landings, either with solid aluminium or grille treads and landings, or prepared to receive precast concrete or timber or laminated timber treads and landings Prefabricated aluminium stairs, including curved and helical stairs, with tread units, strings, and vertical supports Aluminium ladders, fixed to the building structure, with strings extended as handrails as required Safety hoops, etc., secured to aluminium ladders Proprietary or non-proprietary loft ladders including associated hatch doors Aluminium handrails, of hollow or solid section Aluminium stair balustrading, with rails, posts, uprights, newels, etc., of sheet, hollow or solid aluminium sections or with aluminium balusters or balustrading, or prepared to receive balustrading infill of other materials Aluminium barriers and balustrading, with rails, bars, pipes, mesh screening, etc., of aluminium 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 railing 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)

4932 Aluminium floor trench linings, pit covers and floor and roof hatches

Aluminium linings to trenches and recesses, covers and gratings with associated frames to floor pits, manholes, inspection chambers and trenches, and frames and covers to openings in floors and roofs

Purpose-made aluminium lining to floor pits, trenches and recesses Purpose-made removable aluminium floor covers, solid or grated, and associated frames and edging, to floor pits and trenches Proprietary manhole and inspection pit covers and frames Proprietary gratings and frames Purpose-made aluminium 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)

4933 Miscellaneous aluminium metalwork

Miscellaneous aluminium items including bollards and protective devices, storage racks, and minor supporting devices

Aluminium angle guards, rubbing strakes and column protection Aluminium storage racks for general storage, pipes, etc. Aluminium storage racks for cages, utensils, containers, etc. Aluminium bicycle racks Fabricated brackets and supports Aluminium racks for gas cylinders Aluminium supports for signs, notices, lights, etc. Aluminium edgings and fascias Aluminium access panels and frames Aluminium weatherbars when not supplied with the frames to openings Cast aluminium items Aluminium decorative items Aluminium plaques, notices, signs, 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)

4934 Thin sheet aluminium items

Fabricated items of thin sheet aluminium, including casing to structural members

Sheet aluminium casing to structural members Sheet aluminium box gutters, including supports Purpose-made sheet aluminium linings to openings and recesses 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)

495**Miscellaneous ferrous metalwork****4951 Cast iron items****Items of cast iron, including helical stairs, balcony railings and features, decorative items, fireplaces and fire place surrounds**

Cast iron ladders and stairs, including helical stairs Cast iron stairs, balustrades and balcony railings and brackets Cast iron decorative items Cast iron fireplaces, grates and fireplace surrounds Cast iron flues, chimney coronets, etc. Cast iron plaques, notices, signs, etc.

4952 Wrought iron items**Wrought iron items**

Wrought iron decorative screens Wrought iron decorative items Wrought iron balustrading and barrier railings

4953 Composite metal items**Decorative items constructed principally of metal, using more than one metal**

Composite metal ladders and stairs, including helical stairs Composite metal handrails, balustrades and railings Composite metal screens and shutters Composite metal sheet fabricated items Composite metal miscellaneous items

496**Miscellaneous non-ferrous metalwork****4961 Copper and copper alloy metalwork****Decorative items of copper and copper alloys, including brass and bronze**

Copper and copper alloy items Copper and copper alloy stairs and ladders Copper and copper alloy handrails, balustrades and railings Copper and copper alloy screens and frames Copper and copper alloy sheet fabricated items Copper and copper alloy miscellaneous items Copper and copper alloy plaques, notices, signs, etc. Copper and copper alloy box gutters and supports

4962 Titanium alloy items**4963 Magnesium alloy items****4964 Zinc and zinc alloy items****4965 Monel metal items****4966 Silver and fine metals****497****Composite metals****4971 Composite metal items****Decorative items constructed principally of metal, using more than one metal**

Composite metal items and framing Composite metal ladders and stairs, including helical stairs Composite metal handrails, balustrades and railings Composite metal screens and shutters Composite metal sheet fabricated items Composite metal miscellaneous items

498

Miscellaneous metals

499

Ancillary items; repairing and altering items of miscellaneous metals

4991 Ancillary items

4997 Cleaning, repairing and renovating existing items of miscellaneous metals

4998 Alteration work; demolishing and reconstructing items of miscellaneous metals

5

Interior

51

Wall and ceiling linings

511

Sheet linings

5111 Fibre cement linings

Fibre cement sheets, fixed to the supporting framing to form continuous linings ready to receive applied finishes

Standard, compressed, metal-core, water-resistant and other sheets, to form a substrate to receive decorative finishes Sheet linings as structural bracing when not fixed as part of the framing Timber battens and metal furring channels Angle reinforcement Control joint sections Jointing compounds and joint reinforcing tapes Vapour barriers and thermal and acoustic insulation when fixed with the lining Fixing fibre cement sheet with fasteners, screws and nails, to studs, joists, noggings, battens and firrings to form continuous linings Forming for access panels, recesses, 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)

5112 Fibrous plaster linings

Fibrous plaster sheets, fixed to the supporting framing to form continuous linings ready to receive applied finishes

Fibrous plaster plain, patterned and other sheets, prepared to receive decorative finishes Fixing fibrous plaster sheets by adhesives, nails, clouts, screws, staples and wadding to studs, joists, noggings, furring, battens, etc., to form continuous linings to walls, partitions, ceilings and soffits, pipe ducts and casings Sheet joints to be butted, with wadding to face or back of sheet, and taping, filled flush Metal internal and external angle reinforcement Tapes and bandages for joint reinforcing Hemp, flax, tow fibre and fibreglass joint reinforcement Plaster for dabs, filling and finishing Cornices, domes, centres, rings, niches, archways, corbels, fire surrounds, columns, pedestals, decorations, etc. Vapour barriers and thermal and acoustic insulation when fixed with the lining Forming for access panels, recesses, 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)

5113 Plasterboard linings

Paper faced gypsum wallboard, fixed to the supporting framing to form continuous linings ready to receive applied finishes

Standard, bracing water-resistant, fire-rated, high density and other gypsum wallboards, prepared to receive decorative finishes Lead core, steel core and specialty substrate wallboards Aluminium foil-surfaced gypsum wallboards Sheet linings as structural bracing when not fixed as part of the framing Metal furring channels and clips Timber battens and gypsum wallboard packing Acoustic fixing clips External angle metal trim and metal control joints Tape-on paper/metal trims and edgings Fixing gypsum wallboards by adhesives, nails, screws or plaster dabs to studs, joists, noggings, metal furring, timber battens, etc., or direct to solid backgrounds, with joints flush stopped to form continuous linings Jointing compounds and joint reinforcing tapes Paper-covered gypsum coving Plaster for dabs, filling and

finishing Vapour barriers and thermal and acoustic insulation when fixed with the lining Plaster skim coat Forming access panels including proprietary components, recesses, 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)

5114 Rigid inorganic linings

Rigid sheets of manufactured boards, fixed to framing to form pitched roof sarking, flat roof decking, linings, etc., to walls, ceilings and soffits, and casings to pipe ducts, etc., ready to receive applied finishes

Rigid flat sheets, including fixing, as pitched roof sarking, flat roof decking substrate, linings to walls, ceilings and soffits, pipe ducts and casings, and fire casings, ready to receive applied finishes Rigid flat sheets including: - vermiculite boards - boards of composite construction - GRC sheets - calcium silicate boards - barium sulphate boards - boards and sheets of other similar materials Vapour barriers and thermal and acoustic insulation when fixed with the sheeting Linings, etc., to stairwells and openings where not part of a stair or other component Screws, nails, staples, clips, H, J and similar sections, velcro and other mechanical fixings Forming for access panels, recesses, etc. Forming for 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)

5115 Rigid plastics linings

Rigid sheets of plastics, fixed to framing to form pitched roof sarking, flat roof decking, linings, etc., to walls, ceilings and soffits, and casings to pipe ducts, etc., ready to receive applied finishes

Rigid flat sheets, including fixing, as pitched roof sarking, flat roof decking substrate, linings to walls, ceilings and soffits, pipe ducts and casings, and fire casings, ready to receive applied finishes Rigid flat sheets including: - solid plastics sheets - plastic foam boards - laminated plastics boards - boards of composite construction Metal strapping, timber battens and fire-resisting battens to fire casings Vapour barriers and thermal and acoustic insulation when fixed with the sheeting Linings, etc., to stairwells and openings where not part of a stair or other component Screws, nails, staples, clips, H, J and similar sections, velcro and other mechanical fixings Forming for access panels, recesses, etc. Forming for 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)

512

Timber lining

5121 Wood wool panels

Woodwool board, fixed to framing, as pitched roof sarking, linings, casings, etc., to receive plaster, paint or other finishes

Woodwool panels, with or without channel edging, fixed to framing Vapour barriers when fixed with the sheeting Forming for 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)

5122 Plywood linings

Plywood, fixed to framing to form pitched roof sarking, linings, etc., to walls, ceilings and soffits, and casings to pipe ducts, etc., ready to receive applied finishes

Plywood, including fixing, as pitched roof sarking, linings to walls, ceilings and soffits, pipe ducts and casings ready to receive applied finishes Plywood, lead-core plywood, OSB, blockboard, etc. Sheet linings as structural bracing when not fixed as part of the framing Metal strapping, timber battens and fire-resisting battens to fire casings Vapour barriers and thermal and acoustic insulation when fixed with the sheeting Screws, nails, staples, clips, H, J and similar sections, velcro and other mechanical fixings Forming access panels, recesses, 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)

5123 Manufactured timber board linings

Manufactured timber boards, fixed to framing to form pitched roof sarking, linings, etc., to walls,

ceilings and soffits, and casings to pipe ducts, etc., ready to receive applied finishes

Manufactured timber boards, including fixing, as pitched roof sarking, linings to walls, ceilings and soffits, pipe ducts and casings, ready to receive applied finishes Manufactured timber boards including: - plywood and OSB - blockboard - chipboard - laminated boards - cementitious wood fibre board - waferboard - medium density fibreboard - hardboard - cellulose fibre insulating boards - bitumen-impregnated fibreboard - Lead-core plywood Sheet linings as structural bracing when not fixed as part of the framing Metal strapping, timber battens and fire-resisting battens to fire casings Vapour barriers and thermal and acoustic insulation when fixed with the sheeting Linings, etc., to stairwells and openings where not part of a stair or other component Screws, nails, staples, clips, H, J and similar sections, velcro and other mechanical fixings Forming access panels, recesses, 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)

5124 Solid timber board linings**Solid timber boards, plain edged, rebated or tongued and grooved, laid together to form sarking to pitched roofs, linings to walls, ceilings and soffits, and casings to pipe ducts, etc., ready to receive applied finishes**

Boarding, unfinished or sealed, fixed as wall, ceiling, roof and soffit lining, ready to receive applied finishes Sarking to pitched roofs Vapour barriers and thermal and acoustic insulation when fixed as part of the boarding installation Forming access panels, recesses, 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)

513 Prefinished sheet linings

5131 Solid timber prefinished linings**Prefinished solid timber sheet and strip linings, boarding and panelling with edges butted, tongued and grooved or rebated, face or secret nailed to framing, laid together to form dado, wall, ceiling and soffit finished-surface linings**

Prefinished solid timber 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)

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

5198 Alteration work; demolishing and reconstructing linings

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 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 heatactivated 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**5225 Operable walls****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 louvred 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**

5298 Alteration work; demolishing and reconstructing partitions**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**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**

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**5325 Special hygiene suspended ceilings**

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**5397 Cleaning, repairing and renovating existing ceilings****5398 Alteration work; demolishing and reconstructing ceilings****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

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****5498 Alteration work; demolishing and reconstructing, floors, access floors and integral****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

5517 **Bench tops**

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 Pelmet 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 Pelmet 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

5544 Operable awnings, hoods and canopies

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 **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 and balustrades interior**

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
- 5593 Mechanical fastenings
- 5597 Cleaning, repairing and renovating existing fixtures and fittings
- 5598 Alteration work; removing and reconstructing fixtures and fittings

56**Specialist equipment and assemblies**

561**Specialist equipment - A to D**

- 5615 Agricultural equipment
- 5618 Astronomical equipment
- 5619 Cultural items

562**Specialist equipment - E to G**

- 5621 Ecclesiastical equipment
- 5625 Educational equipment
- 5628 Funerary equipment

563**Specialist equipment - H to K**

- 5631 Health equipment
- 5635 Industrial equipment
- 5638 Kitchen and food service equipment

564**Specialist equipment - L**

- 5641 Laboratory equipment
- 5645 Laundry equipment
- 5648 Library equipment

565**Specialist equipment - M to P**

- 5651 Marine and navigation equipment

5655 Office and commercial equipment

5658 Personnel equipment

566

Specialist equipment - R

5661 Research equipment

5665 Retailing equipment

567

Specialist equipment - S

5671 Security equipment

5673 Spectacle equipment (for theatre and music)

5675 Spectacle equipment (displays and galleries)

5678 Sports and recreational equipment

5679 Studio equipment (film, radio and television)

568

Specialist equipment - T to Z

5684 Vehicle, transportation and traffic equipment

5687 Waste and disposal equipment

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 Workstation systems

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

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****5898 Alteration work; removing and renovating signs and features****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**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**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

6133 Brush, roller or squeegee applied coatings to floors.

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, sealed or 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

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

6198 Alteration work; removing and reconstructing trowelled and sprayed finishes

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 tile paving**

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 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)

6226 Rigid plastics, resin-bound aggregate and composition block and tile paving**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**6298 Alteration work; removing and reconstructing tiling****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

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

6392 Adhesives, beddings

6393 Trims

6397 Cleaning, repairing and renovating existing sheet, slab and panel surfacing

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

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

6497 Cleaning, repairing and renovating existing resilient surfacing

6498 Alteration work; demolishing and reconstructing resilient surfacing

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

6598 Alteration work; removing and reconstructing carpeting

66**Flooring ancillaries****661****Flooring ancillaries**

6612 Floor mats and foot grilles

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 spray 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**

6798 **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

6815 **Acoustic barriers**

6816 **Sound absorber panel**

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

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

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**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

7165 Bactericidal-treated water supply systems

7166 Boiler feed water systems

717**Piped supply systems for specific liquids**

7171 Piped supply systems for beverages**7172 Piped supply systems for liquid detergents****7173 Piped supply systems for washing building surfaces****7174 Piped supply systems for non-flammable industrial liquids****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**7198 Alteration work; demolishing and reconstructing liquid supply installations****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****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**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**7298 Alteration work; demolishing and reconstructing gas supply installations****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

7352 Automatic fire and smoke detection systems

738

Fire miscellaneous

7381 Unserviced loose appliances

Appliances which do not require to 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

7398 Alteration work; demolishing and reconstructing fire suppression systems

74

Liquid disposal

740

Liquid disposal general

7401 Liquid disposal general

7402 Multi use pipe systems for liquid disposal

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

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

7473 Toxic, corrosive and industrial waste pumping systems

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

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

7498 Alteration work; demolishing and reconstructing plumbing and drainage systems

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**752
Natural energy****7521 Heat pumps****7522 Solar energy collectors****7523 Geothermal energy****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

7556 Solid fuel fires

7557 Solid fuel cooking ranges

756

Energy recovery

7561 Energy recovery 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

7598 Alteration work; demolishing and reconstructing heating and cooling installations

76**Ventilation and air-conditioning**

760**Ventilation and air-conditioning general**

7600 Mechanical general

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)

7616 Water heating boilers

762**Mechanical air plant and components**

7620 Fan coil units**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)

7645 Liquid Fuels

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

7680 Mechanical control
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
- 7695** Mechanical commissioning
- 7697** Cleaning, repairing and renovating ventilation and air-conditioning installations
- 7698** Alteration work; removing and reconstructing ventilation and air-conditioning installations

77**Electrical**

770**Electrical general**

- 7701** Electrical basic
- 7702** Electrical standard
- 7703** Mechanical electrical
- 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 power 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**7718 Wind-impelled generator sets**

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

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)

7727 Power factor correction

773

Special power supply systems

7731 DC supply

The distribution of direct current electricity from an originating source to user outlet points

Direct current electricity from an originating source to user outlets, including all equipment required to convert the LV supply to direct current, protection and earthing systems, together with all associated work, materials and equipment needed for supply 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)

7732 Uninterrupted power supply (UPS)

Systems to provide an uninterrupted power supply to essential equipment should the electrical supply to the essential equipment fail

An uninterruptible power supply, including batteries, protection systems, earthing, to supply socket outlets

and to permanently-wired connections to equipment designated as requiring an uninterruptible power supply, together with all associated work, materials and equipment necessary to provide the supply, including connection of LV supply from mains power distribution 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)

774 Lighting

7741 Luminaires and lamps

Luminaires and lamps providing general and special effect lighting

All luminaires and lamps of all types, including dual mains/battery supplied units, sensor-operated units and floodlight and special effect fittings, fixed to the exterior of or within the building, with connections to socket outlets and to outlets for fixed wiring. All transformers and associated work, materials and equipment necessary for the installation as required 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)

7742 Exterior lighting

Exterior lighting to provide illumination of streets, areas and arenas as well as exterior lighting to illuminate buildings and other structures

Exterior lighting of all types, including sensor-operated units, with power cables connected from a designated point of supply to each luminaire and lamp, including all poles, standards and fixings. All associated work, materials and equipment necessary for the installation. Solar-powered luminaries Excavation and backfilling, with all marker tapes, cover tiles, conduits and protection of cables All foundations and fixings for luminaires and lamps and lamp supports Luminaire and lamp supports, including columns, poles, bollards, masts, etc. All pits, chambers, covers, glass and metal protection screens, etc. 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 Non-fixed work (see Explanatory notes) as required

7743 Emergency evacuation lighting

775 Special lighting systems

7751 Special lighting systems

Special indoor lighting systems to suit the requirements of indoor visual and audio-visual activities

Lighting systems to suit the requirements of: - arenas - auditoria - cinemas - film sets - galleries - spectacles - sports stadia - theatres - television stage sets and similar performance and display activities

776 Electric appliances

7761 Electric appliances

Electric appliances, permanently wired to the general power distribution system

Electric cooking equipment including heaters, ranges, broilers, fryers, salamanders

777 Deterrent systems

7771 Animal deterrent systems

778 Miscellaneous electrical

7785 Lightning protection

779**Ancillary items; repairing and altering electrical installations**

7797 **Cleaning, repairing and renovating existing electrical installations****7798** **Alteration work; demolishing and reconstructing electrical installations****78****Communications and controls**

781**Communications systems**

7811 **Communications cabling****Systems for communication between two or more points using a cable network, for non-residential buildings**

Communication using cabling within a building and ultimately beyond, including the use of the national and international telephone system to transmit speech and general audio, visual, audio-visual and electronic data, using transmitting and receiving equipment appropriate to its purpose, with electronic or hard copy recording facilities incorporated together with public display of the data on screens, boards, etc.

7812 **Radio-frequency and microwave communication****7813** **Listening support systems****7814** **Public address and sound amplification systems****7815** **Time-band information systems****7816** **Medical communication systems****7817** **Communications cabling residential****Systems for communication between two or more points using a cable network, for residential buildings**

Communication using cabling within a building and ultimately beyond, including the use of the national and international telephone system to transmit speech and general audio, visual, audio-visual and electronic data, using transmitting and receiving equipment appropriate to its purpose, with electronic or hard copy recording facilities incorporated, etc

782**Audio-visual systems**

7821 **Radio, television and closed circuit television****7822** **Projection facilities**

783**Detection, control and monitoring**

7833 **Emergency, warning, information and general alarms****7834** **Gas and liquid detection systems**

7835 Access control

7836 Intruder detection systems

**784
Protection and screening**

7841 Earthing systems

Systems for the transfer of electric current to earth to protect personnel, buildings, structures, plant and equipment

The provision of earthing cables, screened against electro-magnetic interference and taken to earth, to which screening against electromagnetic fields and electrostatic forces can be connected Excavation, subsoil preparation and backfilling Inspection pits and covers Earthing cables, including screening, with terminals for connection of items to be earthed Off-site and on-site preparation, anti-corrosion treatment and finishing Fixing to the building fabric Non-fixed work (see Explanatory notes)

7842 Lightning protection systems

Systems for the protection of buildings, structures, towers, equipment and exposed metalwork from lightning

The installation of lightning protection, with air terminations bonded together and taken to earth points, including pits and covers Excavation, subsoil preparation and backfilling Inspection pits and covers Lightning conductors with test points Off-site and on-site preparation, anti-corrosion treatment and finishing Fixing to the building fabric Non-fixed work (see Explanatory notes)

7843 Non-proprietary electromagnetic screened enclosure systems

Non-proprietary enclosures designed to protect against electromagnetic fields, either partially prefabricated or totally constructed on site, including lighting and power within the enclosure, the screen surrounding the enclosure connected at one point to a screened earth cable

Construction of the enclosure, with screened doors and window openings Complete electrical installation from designated point of supply to serve lighting and power within the enclosure Intercommunication and communication systems All controls and monitoring systems 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)

**785
Monitoring systems**

7851 Equipment and services monitoring systems

Systems that provide information on the operational settings and the general status and function of connected services and equipment

The installation of monitoring equipment, with display and recording facilities at each monitoring station, with all associated work, materials and equipment as required Complete electrical installation from designated point of supply for the functioning of the installation 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)

**786
Control systems**

7861 Central control systems (CCS)

7862 Building automation and building management systems (BMS)

7863 Control and automation systems residential

**789
Ancillary items; repairing and altering communications and control systems**

7897 Repairing and renovating communications and control systems

7898 Alteration work; removing and reconstructing communications and control systems

79 Transport

791 Lifts and escalators

7911 Electro-mechanical lifts

Electro-mechanical lift installation for the conveyance of persons and/or goods from one level to another

Electro-mechanical lifts, with all associated work, materials and equipment, for the transportation of persons and/or goods from one level to another either vertically or at an angle to the vertical, by electro-mechanical means Lift cars complete Landing entrances including frames and architraves Door operation Guide rails, brackets and buffers Hoisting machines Motor generator sets/static drive system Trailing cables and hoisting ropes Counterbalances Communications systems including call systems, indicators, alarms, telephones Lift control systems and car and landing control panels, including fire controls Lighting, including emergency lighting Ventilation of cars Complete electrical installation from designated point of supply for the functioning of the installation All monitoring, safety, control and alarm systems, 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)

7912 Electro-mechanical stairway lifts

Electro-mechanical platform and chair stair-climbing lifts

Electro-mechanical platform, step and chair stair-climbing lifts, including folding platform lifts, to move people, including people in wheelchairs, between two levels Lift control systems Complete electrical installation from a designated point of supply for the functioning of the system All monitoring, safety, 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)

7913 Hydraulic lifts

Hydraulic lift installation for the conveyance of persons and/or goods from one level to another

Hydraulic lifts, with all associated work, materials and equipment, for the transportation of persons and/or goods from one level to another by hydraulic means Lift cars complete Landing entrances including frames and architraves Door operation Guide rails, brackets and buffers Hydraulic systems Trailing cables Communications systems including call systems, indicators, alarms, telephones Lift control systems and car and landing control panels, including fire controls Lighting, including emergency lighting Ventilation of cars Complete electrical installation from designated point of supply for the functioning of the installation All monitoring, safety, control and alarm systems, 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)

7914 Escalators and travelators

Electro-mechanical systems for the conveyance of persons from one level to another on a constant velocity moving staircase or inclined plane, with associated balustrading and moving handrail

Electro-mechanical moving staircase and inclined plane systems, operating between two different levels, with all associated work, materials and equipment, for transporting persons Complete electrical installation from a designated point of supply for the functioning of the system All monitoring, safety, 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)

7915 Moving pavements

Electro-mechanical systems for the conveyance of persons horizontally from one place to

another by means of a moving flat strip of pavement, with associated balustrading

Horizontally moving pavement systems, with all associated work, materials and equipment, for transporting persons by electro-mechanical means on a constant velocity moving strip Complete electrical installation from a designated point of supply for the functioning of the system All monitoring, safety 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)

792**Goods transport**

7921 Electro-mechanical dumbwaiters**Electro-mechanical dumbwaiters to convey items of restricted size and weight between loading and discharge levels**

Electro-mechanical dumbwaiters, with all associated work, materials and equipment, for the transportation of items from one level to another by electro-mechanical means Complete electrical installation, needed for the functioning of the system, from a designated point of supply All monitoring, safety, 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)

7922 Hydraulic dumbwaiters**Hydraulic dumbwaiters to convey items of restricted size and weight between loading and discharge levels**

Hydraulic dumbwaiters, with all associated work, materials and equipment, for the transportation of items from one level to another by hydraulic means Complete electrical installation, needed for the functioning of the system, from a designated point of supply All identification, colour coding and labelling All monitoring, safety, 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)

7923 Manual dumbwaiters**7924 Scissors hoists****Electro-mechanical scissors hoists for the transport of persons and objects between two or more levels**

Electro-mechanical scissors hoist, operating to serve two or more levels, either internally or external to a building Complete electrical installation, needed for the functioning of the system, from a designated point of supply All monitoring, safety, 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)

7925 Dock levellers**Electro-mechanical levelling and restraining devices for loading docks**

Dock levellers at edges of loading docks and platforms, to bridge the distance and disparity of level between the delivery vehicle and the dock and to prevent movement of the vehicle, with all associated work, materials and equipment, by electro-mechanical means Complete electrical installation, needed for the functioning of the system, from a designated point of supply All monitoring, safety 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) as required

7926 Vehicle levellers**Electro-mechanical devices for lifting vehicles to align the vehicle tray with the loading dock**

Platforms forming the floor of loading docks, with height adjustments for lifting vehicles to align loading door and vehicle tray, with wheel restraining devices Complete electrical installation, needed for the functioning of the system, from a designated point of supply All monitoring, safety 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) as required

7927 Vehicle turntables

7928 Car and vehicle stackers

7929 Bath hoists for the disabled

793

Travelling cradles, cranes and hoists

7931 Travelling cradles

Travelling cradles, suspended by cables from overhead runway beams or cranes, with or without vertical or sloping guides and/or restraints, moving horizontally and vertically on the external faces of a building or in internal spaces and atria, to carry persons

Travelling cradle systems, with all associated work, materials and equipment, for transporting persons around the external and internal faces of a building Complete electrical installation from a designated point of supply for the functioning of the system All monitoring, safety, 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)

7932 Horizontally travelling cradles

Travelling cradles, suspended from overhead runway beams, travelling horizontally across internal and external faces of a building on a monorail system, to carry persons

Horizontally travelling cradle systems, with all associated work, materials and equipment, for transporting persons across the internal and external faces of a building Complete electrical installation from a designated point of supply for the functioning of the system All monitoring, safety, 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) as required

7933 Overhead travelling cranes

7934 Static cranes

7935 Monorail systems

7936 Hoists and winches

7937 Weighing devices

7938 Access safety systems

Permanent safety access systems required for routine maintenance and servicing activities on buildings

Supply and installation including; Fall arrest systems anchor points horizontal life line systems permanent rail systems vertical ladders harnesses and accessories

794

Conveying systems

7941 Mechanical conveying systems

Electro-mechanical conveyors including selective vertical conveyors, for transporting documents and small items between the dispatch point and one or more selectable discharge points

Electro-mechanical conveying systems, with all associated work, materials and equipment, for the transportation horizontally, vertically or both, of documents and items, which are dispatched either loose

or in containers which are ejected or removed at discharge points selected at the time of dispatch
Protective enclosure Complete electrical installation from a designated point of supply for the functioning of the system All monitoring, safety, 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)

7942 Track conveying systems**7943 Belt conveying systems****Electro-mechanical belt conveyors for transporting packages, baggage and other items without the use of carriers between the dispatch point and discharge point, operating horizontally or on an inclined plane**

The installation of an electro-mechanical conveying system, with all associated work, materials and equipment, for the transportation of documents and other items, without the necessity of using containers or carriers, which are placed on a belt or conveyance device and discharged at the terminal point The belt may operate horizontally or on an inclined plane and may or may not use supporting rollers Complete electrical installation, needed for the functioning of the system, from a designated point of supply All monitoring, safety, 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)

7944 Plate conveying systems**7945 Roller conveying systems****Gravity and electro-mechanical roller conveyors for transporting items from the dispatch point to the discharge point, either horizontally or on an inclined plane**

Gravity and/or electro-mechanical roller conveyor systems, which may include idling rollers, for the transportation of items, with or without using containers or carriers, which are placed on the roller conveyor and are discharged at the terminal point Complete electrical installation, needed for the functioning of the system, from a designated point of supply All monitoring, safety, 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)

7946 Cable conveying systems**7947 Guided vehicle conveying systems****7948 Pneumatic tube conveying systems****Systems for the movement of items in tubes by negative air pressure**

Pneumatic conveying systems, with all associated work, materials and equipment for conveying items placed in carriers from the dispatch point to the discharge point or to multiple discharge points selectable at the dispatch point, complete with carriers Complete electrical installation, needed for the functioning of the system, from a designated point of supply All monitoring, safety, 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) as required

795**Automated storage and retrieval systems**

7951 Automated storage and retrieval systems for objects**Systems for the automated storage and retrieval of objects, including documents, in bound, packaged or palleted form**

Automated storage and retrieval systems, with all associated work, materials and equipment, for receiving, placing in storage and subsequent retrieval of objects Complete electrical installation, needed for the functioning of the system, from a designated point of supply All monitoring, safety, 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)

7952 Automated parking systems for cars

Systems for the automated storage and retrieval of cars including the storage structure and all other associated controls and equipment for receiving, parking and retrieval of cars, stacking horizontally and/or vertically

Automatic parking systems, for parking, storing and retrieving motor vehicles, including all associated work Complete electrical installation, needed for the functioning of the system, from a designated point of supply All monitoring, safety, 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)

796

Chute installations

7961 Package chutes

Chutes for the transport of packages, bags and mail

Metal chutes, of size and shape to suit the material transported, installed from inlet points to point of discharge Inlet stations, with or without doors or flap covers Chutes shaped to achieve deceleration at the discharge point of the items transported Stations, benches or receptacles at discharge point, for receiving the transported material Ventilation pipework 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 Preparing surfaces and applying protective coatings and decorative finishes off site Preparing surfaces to receive protective coatings and decorative finishes on site Fire isolation and fire suppression as required Non-fixed work (see Explanatory notes)

7962 Gravity laundry chutes

A collection system using chutes for the gravity transportation of laundry, from inlet openings to a common collection area

Chutes of metal or ceramic piping, of size and shape to suit the bags used to collect the laundry, installed from inlet stations to point of discharge Inlet stations, with hinged covers Chutes shaped to achieve deceleration at the discharge point of the laundry bags Benches or receptacles at the discharge point for receiving laundry bags Equipment to transfer laundry bags from discharge point benches or receptacle to transport vehicles Ventilation pipework and terminal 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 finishes Fire isolation and fire suppression as required Non-fixed work (see Explanatory notes)

7963 Vacuum laundry chutes

7964 Personnel emergency escape chutes

Chute installations to provide for the emergency escape of personnel

Large diameter inclined metal escape chutes, providing an emergency escape route for personnel from an upper level in a structure to a lower level outside the structure

7965 Gravity waste chutes

A collection system for the gravity transportation of waste from inlet openings to a common collection area

Chutes, including all inlet doors and ancillaries, to convey waste from point of input to point of discharge, with or without deceleration bends Fixed containers for waste collection Waste discharge conveyors at bottom of chute Safety devices Fire protection of openings and shafts Water flushing and cleaning devices Ventilation pipework and terminal Monitoring 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 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) Fixed compactors (79 82)

7966 Vacuum waste chutes

797**Waste conveying systems**

7971 Central vacuum cleaning systems

A piped system providing suction for vacuum cleaning, including collection and discharge of aspirated material

Pipelines, including ancillaries, etc., which convey the aspirate from point of intake to point of discharge
Vacuum pumps and blowers, with acoustic treatment
Receiving and storage vessels
Air intake system
Filtered air discharge
Flushing system with discharge to drain
Monitoring and control equipment
Inlet fittings, hoses, fittings, wet pick-units, etc.
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
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)

798**Solid waste systems**

7981 Waste treatment**7982 Waste compaction****7983 Waste incineration systems****7984 Unit incinerators**

Small unit incinerators, using gas or electricity as the heat source, for the destruction of small items

Small floor or wall mounted incinerators, provided with necessary flues or exhaust systems, gas or electrically heated, for the destruction of: sanitary towels surgical dressings

799**Ancillary items; repairing and altering transport systems**

7991 Ancillary systems**7997 Repairing and renovating existing transport systems****7998 Alteration work; demolishing and reconstructing transport systems**

8**External****81****Retaining walls**

811**Retaining wall construction**

8111 In situ concrete footings and site retaining walls

Site retaining walls of in situ concrete, including formwork and reinforcing

Formwork, including for fair face and textured finish
Reinforcement of all types
In situ concrete, or all types, including compacting, curing and protection
Accessories cast into the concrete
Construction and

movement joints Drainage cell sheeting Land drainage lines and aggregate surrounds behind wall Non-fixed work (see Explanatory notes)

8112 Concrete masonry retaining walls

Site retaining walls of hollow concrete blocks laid in courses on a mortar bed to form retaining walls

Hollow concrete blockwork Special shape blocks Specially faced blocks Blocks with knock-out and cut-out sections Purpose-made centring and formwork Reinforcement Mortar Cementitious filling and grouting of cores and beam blocks Accessories - supplied and fixed Anchors, cramps, dowels, restraining members Movement joints and fillers Drainage cell sheeting Land drainage lines and aggregate surrounds behind walls Non-fixed work (see Explanatory notes)

8113 Concrete crib retaining walls

Retaining walls of precast concrete crib wall units, timber crib wall units and shaped block retaining wall units

Precast concrete crib wall units, in depths to suit wall height Precast concrete block retaining wall units of hexagonal and other shapes Treated timber crib wall units, in depths to suit wall height Backfilling crib walls with no-fines aggregate Non-fixed work (see Explanatory notes)

8114 Concrete segmental dry stack retaining walls

8115 Concrete pile retaining walls

Site retaining walls constructed with metal, concrete or timber piles or metal sheet piling, installed to provide a continuous wall surface or installed at intervals with steel or timber lagging between uprights to retain the material to be supported

Driven concrete piles Poured concrete piles, including drilling, bellling and lining Driven timber piles Driven steel piles Sheet steel piling Lagging between piles to retain earth

8116 Precast concrete retaining walls

8118 Sprayed concrete retaining walls

812

Earth and stone retaining wall construction

8121 Reinforced earth walling

8122 Geosynthetic reinforced soil (GRS)

8125 Stone retaining walls

8126 Gabion retaining walls

813

Steel retaining wall construction

8131 Steel sheet piling retaining walls

8132 Steel pile retaining walls

814

Timber retaining wall construction

8141 Timber crib retaining walls

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- 8142 Timber post retaining walls
 - 8143 Timber pole retaining walls
 - 8144 Timber log and sleeper retaining walls
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815 Slope protection and erosion control

- 8151 Slope protection and erosion control
 - 8152 Earth and rockfall protection walls
 - 8153 Riprap protection
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817 Applied finishes to site retaining walls

- 8171 Facings to site retaining walls
 - 8172 Finishes to exposed site retaining wall faces
-

818 Miscellaneous retaining wall construction

819 Ancillary items; repairing and renovating retaining walls

- 8191 Ancillary items
- 8197 Cleaning, repairing and renovating existing retaining walls
- 8198 Alteration work; demolishing and reconstructing retaining walls

82 Pavements

821 Pavement bases and sub-bases

- 8212 Sub bases to asphaltic sealing and paving
 - 8213 Hardcore, granular and cement-bound bases and sub-bases to pavements
 - 8215 Concrete bases and sub-bases to pavements
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822 Pavement surfacing

- 8222 Asphaltic concrete pavement surfacing
 - 8223 Sprayed bitumen pavement surfacing
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8224 **Cement-bound earth pavement surfacing**

8225 **In situ concrete pavement surfacing**

8226 **Granular pavement surfacing**

8227 **Plastics-bound pavement surfacing**

823

Segmental unit pavements

8230 **Interlocking paving**

8231 **Interlocking brick and concrete block pavements**

8232 **Brick, concrete and other manufactured slab and block pavements**

8233 **Stone slab and block pavements**

824

Edging, kerbs, gratings and gutters

8241 **Edgings, kerbs and gutters**

8242 **Gratings and channels**

825

Special surfaces

8251 **Surfacing for sport**

8252 **Perforated mat surfacing**

8253 **Outdoor carpeting and resilient surfacing**

8254 **Timber corduroy paving**

8255 **Synthetic turf**

826

Traffic control

8261 **Pavement marking**

8262 **Vehicle control devices**

8263 **Traffic signs and signals**

8264 **Surface coatings**

828

Pavement miscellaneous

8281 **Tactile indicators**

829
Ancillary items; repairing and altering pavements

- 8291 Ancillary items
- 8297 Cleaning, repairing and renovating existing pavements
- 8298 Alteration work; demolishing and reconstructing pavements

83
Landscape cultivation

831
Site works

- 8311 Removing vegetation and rubbish
- 8312 Removing subsurface constructions
- 8313 Excavating for landscaping
- 8314 Filling for landscaping
- 8315 Permanent protection for planting
- 8318 Miscellaneous site works

832
Soils

- 8321 Soil and soil preparation
- 8324 Soil surfacing

833
Plants and planting

- 8331 Plants
- 8332 Planting
- 8333 Seeding
- 8334 Turfing
- 8335 Tree transplanting
- 8337 Wetland planting

836
Landscape assemblies

- 8361 Green roofs

8362 Vertical gardens

8363 Rain gardens

837

Interior planting

8372 Interior landscape plants and planting

838

Landscape maintenance

8381 Maintaining planting

8382 Maintaining trees

8383 Grass maintenance and mowing

8384 Roadside vegetation control

8385 Weed control

8386 Pest control

839

Ancillary items; repairing and renovating landscape cultivation

8391 Ancillary items

8397 Clearing and maintaining existing landscape cultivation

8398 Alteration work; removing and planting landscape cultivation

84

Landscape structures

841

Landscape edging

8411 In situ concrete edging

8412 Stone and masonry edging

8413 Metal edging

8414 Timber edging

8415 Plastic edging

8417 Composite edging

842

Landscape constructions and structures

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- 8421 Landscape constructions**
 - 8422 Timber structures, decks and pergolas**
 - 8423 Plant containers and structures**
 - 8424 Rockeries**
 - 8425 Logwork**
 - 8427 Decorative features**
-

843 Fencing and barriers

- 8431 Timber fencing and barriers**
 - 8432 Metal fencing and barriers**
 - 8433 Security fencing**
 - 8434 Post and wire fencing**
 - 8435 Pool fencing**
 - 8437 Composite fencing and barriers**
-

844 Landscape walls

- 8441 Masonry landscape walls**
 - 8442 Concrete landscape walls**
 - 8443 Natural stone landscape walls**
 - 8444 Cast stone landscape walls**
 - 8445 Gabbion stone landscape walls**
 - 8448 Composite landscape walls**
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845 Gates and turnstiles

- 8451 Timber gates**
 - 8452 Metal gates**
 - 8453 Gates of composite construction**
 - 8457 Turnstiles**
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846**Street furniture and constructions**

- 8461 Street furniture
 - 8462 Exterior signs and displays
 - 8463 Flagpoles and masts
 - 8464 Recreational and leisure equipment
 - 8465 Playground equipment
-

848**Interior landscape**

- 8481 Interior landscape structures and plant containers
 - 8482 Interior landscape decorative features
-

849**Ancillary items; repairing and renovating landscape structures**

- 8491 Ancillary items
 - 8497 Cleaning, repairing and renovating existing landscaping structures
 - 8498 Alteration work; demolishing and reconstructing landscaping structures
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85**Landscape services**

851**Landscape water supply systems**

- 8511 Irrigation systems for landscaping
 - 8512 Outdoor fountains and water features
 - 8515 Indoor fountains and water features
 - 8516 Irrigation systems for interior landscapes
-

852**Pools, spas, saunas and showers**

- 8521 Swimming pools and spas
 - 8522 Swimming pool water systems
 - 8523 Outdoor showers
 - 8524 Decontamination showers
-

855**Landscape electrical**

8551 **General power distribution for landscape****8552** **Landscape lighting**

858**Miscellaneous landscape services**

8581 **Ducts and conduits for landscape services**

859**Ancillary items; repairing and altering landscape services**

8591 **Ancillary items****8597** **Cleaning, repairing and renovating existing landscape services****8598** **Alteration work; demolishing and reconstructing landscape services**

86**Civil engineering infrastructure**

861**Earthworks and preparation**

8611 **Clearing and grubbing****8612** **Bulk earthworks****8613** **Formation****8616** **Stabilisation**

862**Services - Public and non-public mains**

8621 **Stormwater mains****8622** **Sewer mains****8623** **Stormwater channels****8624** **Subsoil and subsurface drainage****8625** **Water mains****8626** **Gas mains****8627** **Electrical mains****8628** **Communication services mains**

8629 Service mains ducts and conduits

**863
Sub-bases and basecourses**

8631 Sub basecourse and basecourse construction

8632 Mass concrete sub-basecourse construction

8633 Plain and reinforced concrete basecourse construction

**864
Roothing and paving**

8641 Kerbs and channels

8642 Asphaltic concrete carriageway surfacing

8643 Sprayed bitumen surfacing

8644 Bituminous cold mix surfacing

8645 Concrete roads and paving

8646 Loose metal roads and paving

**867
Engineering infrastructure structures**

8671 Culverts

8672 Tunnels

8673 Caissons

8674 Cofferdams

8675 Bridges

**868
Miscellaneous engineering works**

8681 Rigid road safety barriers

8682 Non-rigid road safety barriers

8685 Carriageway delineators

8686 Expansion joints for roading and bridges

**869
Ancillary items; repairing and altering engineering infrastructure**

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- 8691 Ancillary items
 - 8697 Cleaning, repairing and renovating existing engineering infrastructure
 - 8698 Alteration work; demolishing and reconstructing engineering infrastructure

88 Specialist structures

881 Complete and kitset structures

- 8811 Complete structures
 - 8812 Supply of kitset construction assemblies
 - 8813 Erecting kitset construction assemblies
-

882 Glazed structures

- 8821 Complete glazed structures
-

883 Relocatable structures

- 8831 Proprietary relocatable structures
-

884 Air-supported and pneumatic structures

- 8841 Air-supported structures
 - 8842 Pneumatic structures
-

885 Membrane structures

- 8851 Membrane tension structures
 - 8852 Fabric roofing systems
-

889 Ancillary items; repairs and alterations to specialist structures

- 8891 Ancillary items
- 8897 Cleaning, repairing and renovating existing specialist structures
- 8898 Alteration work; demolishing and reconstructing specialist structures