

# TECHNICAL QUALIFICATIONS FOR LICENSING

PLUMBING AND DRAINAGE OCCUPATIONAL LICENCES UNDER THE *PLUMBING AND DRAINAGE ACT 2018* 

QUEENSLAND BUILDING AND CONSTRUCTION COMMISSION LICENCE REQUIREMENTS



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#### **PURPOSE**

The Queensland Building and Construction Commission (the QBCC) is the statutory body which regulates Queensland's building and construction sector. The QBCC is responsible for administering the licensing system as provided in the *Plumbing and Drainage Act 2018* (the PD Act).

Sections 14 and 26 of the PD Act outline that the QBCC Commissioner (the Commissioner) must decide the qualifications and practical experience required for licence classes, restricted licence classes and endorsements. This document sets out these requirements as determined by the Commissioner.

#### **RELEVANT LEGISLATION**

Plumbing and Drainage Act 2018 and Plumbing and Drainage Regulation 2019

Section 12 of the PD Act and Schedule 4 of the Plumbing and Drainage Regulation 2019 (PD Regulation) outline the following classes of licence that a person may apply for a:

- plumbers licence entitles the licence holder to carry out plumbing work, other than plumbing work for which an endorsement on a plumbers licence is required to perform the work.
- **drainers licence** entitles the licence holder to carry out drainage work below ground level, other than drainage work for which an endorsement on a drainers licence is required to perform the work.
- **restricted licence** entitles the licence holder to carry out work as prescribed by regulation. Section 25 of the PD Act establishes endorsements on licences that the holder of a licence may apply for:
- **licence endorsements** entitles the endorsement holder to carry out specialist work in addition to their occupational licence.

Sections 14 and 26 of the PD Act allow the Commissioner, through this document, to decide the qualifications and practical experience that an individual must have to be entitled to a licence, restricted licence or endorsement. The Commissioner must publish the technical qualifications and experience requirements on the QBCC website.

#### Please note:

- Under section 19 (1) and (2) of the PD Act, the Commissioner may grant a provisional licence to an applicant.
- Under sections 20 and 52, 1 (c) of the PD Act, the Commissioner may grant, change or impose new licence conditions considered necessary or desirable for the licensee to competently practise the plumbing and drainage trade.
- Under section 17 (2)(b) of the PD Act, the Commissioner may, by notice given to the applicant require the applicant to undergo an examination to assess the applicant's ability to competently practise the plumbing and drainage trade. For example, an examination may be required by the Commissioner where an applicant is relying on a qualification which was completed prior to 1 January 2011 or through an apprenticeship in another country.

#### TRANSITIONAL ARRANGEMENTS

The Australian Industry Skills Committee endorsed Release 6.0 of the Construction, Plumbing and Services (CPC) Training Package in August 2020.

This release resulted in a number of changes to qualifications and units of competency that fall under this training package.

The Commissioner may accept a technical qualification for a licence that was previously prescribed in this document until 27 November 2026.

## PART 1 — TECHNICAL QUALIFICATIONS AND EXPERIENCE REQUIREMENTS FOR A PLUMBERS LICENCE

Part 1 of this document relates to section 14 of the PD Act and schedule 4, part 1 of the PD Regulation which relates to the issuing of a plumbers licence.

#### PLUMBERS LICENCE

The requirements for a plumbers licence include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

The successful completion of any of the following qualifications:

- (a) A plumbing apprenticeship completed in an Australian jurisdiction, and a Certificate III in Plumbing (CPC32420) with the competencies provided in Appendix A.
- (b) A plumbing apprenticeship completed in an Australian jurisdiction, and one of the following qualifications:
  - (i) Certificate III in Plumbing (CPC32413)
  - (ii) Certificate III in Plumbing (CPC32412)
  - (iii) Certificate III in Plumbing (CPC32411)
  - (iv) Certificate III in Plumbing (CPC32408)
- (c) A plumbing apprenticeship completed in an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing (CPC32420)
- (d) A plumbing apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing (CPC32420)
- (e) A plumbing apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing (CPC32420) because the applicant has also successfully completed relevant gap training competencies recognised in the National Register on Vocational Education and Training (VET) in Australia
- (f) A Certificate III in Plumbing (CPC32420) or a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing (CPC32420), that was not completed through an apprenticeship, provided the certificate or qualification excludes reliance on recognition of prior learning for any period where unlawful work (including work without the required licence) was carried out
- (g) A plumbing apprenticeship completed in an Australian jurisdiction, and a qualification in plumbing completed prior to 1 January 2011 if the applicant has also completed the following units of competency from the Certificate III in Plumbing (CPC32420):
  - (i) CPCPCM2043 Carry out WHS requirements
  - (ii) CPCCWHS2001 Apply OHS requirements, policies and procedures in the construction industry; and
  - (iii) CPCPFS3038 Test and maintain fire hydrant and hose reel installations.

#### PRACTICAL EXPERIENCE

- (a) Where the required qualification is obtained pursuant to paragraphs (a), (b), (c), (d) or (e) above, at least one (1) year's practical plumbing experience after successful completion of the required qualification.
- (b) Where the required qualification is obtained pursuant to paragraph (f) above, four (4) years practical plumbing experience after successful completion of the required qualification.
- (c) Where the required qualification is obtained pursuant to paragraph (g) above, at least one (1) year's practical plumbing experience after successful completion of the applicant's apprenticeship.

Practical plumbing experience means performing a wide range of plumbing work relative to competencies within the Certificate III in Plumbing (CPC32420).

## PART 2 — TECHNICAL QUALIFICATIONS AND EXPERIENCE REQUIREMENTS FOR A DRAINERS LICENCE

Part 2 of this document relates to section 14 of the PD Act and schedule 4, part 2 of the PD Regulation which relates to the issuing of a drainers licence.

#### **DRAINERS LICENCE**

The requirements for a drainers licence include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

The successful completion of any of the following qualifications:

#### **Drainage qualifications**

- (a) A Certificate II in Drainage (CPC20720) completed other than through a recognition of prior learning process
- (b) A Certificate II in Drainage (CPC20720) completed through a recognition of prior learning process provided the qualification (in whole or part) was not obtained through a recognition of prior learning process that relied on the applicant performing unlawful work (including work without the required licence)
- (c) A qualification, other than a qualification completed through a recognition of prior learning process, which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate II in Drainage (CPC20720)
- (d) A qualification completed in another country, completed other than through a recognition of prior learning or like process, which has been assessed and verified as at least equivalent to a Certificate II in Drainage (CPC20720) because the applicant has also successfully completed relevant gap training competencies recognised in the National Register on Vocational Education and Training (VET) in Australia
- (e) A qualification listed above which has been completed through a recognition of prior learning process provided that the qualification was not obtained through a recognition of prior learning process that relied on the applicant performing unlawful work (including work without the required licence).

#### Plumbing and drainage qualifications

- (f) A qualification for a plumber's licence as provided in Part 1, subsection (a) to (f) of this document
- (g) A plumbing apprenticeship completed in Australian jurisdiction, and a plumbing and drainage qualification completed prior to 1 January 2011 if the applicant has also completed the following units of competency from the Certificate III in Plumbing (CPC32420):
  - i) CPCPCM2043 Carry out WHS requirements
  - ii) CPCCWHS2001- Apply OHS requirements, policies and procedures in the construction industry

#### Practical experience

- At least one (1) year's practical drainage experience.
- **Practical drainage experience** means performing a wide range of drainage work relative to the competencies within the Certificate II in Drainage (CPC20720).

## PART 3 — TECHNICAL QUALIFICATIONS AND EXPERIENCE REQUIREMENTS FOR RESTRICTED LICENCES

Part 3 of this document relates to section 14 of the PD Act and schedule 4, part 3 of the PD Regulation which relates to the issuing of restricted licences.

#### WATER PLUMBER - GAS

The requirements for a water plumber - gas licence include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

- (a) CPCPWT3022 Install and commission water heating systems and adjust controls and devices; and
- (b) CPCPCM2043 Carry out WHS requirements; and
- (c) Hold, under the Petroleum and Gas (Production and Safety) Act 2004, a gas work licence Practical experience

#### **Practical Experience**

No practical experience.

#### WATER PLUMBER - FLECTRICAL

The requirements for a water plumber - electrical licence include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

- (a) CPCPWT3022 Install and commission water heating systems and adjust controls and devices; and
- (b) CPCPCM2043 Carry out WHS requirements; and
- (c) Hold, under the Electrical Safety Act 2002, an electrical mechanic licence or an electrical fitter licence.

#### **Practical Experience**

No practical experience.

#### WATER PLUMBER - IRRIGATION

The requirements for a water plumber - irrigation licence include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

The successful completion of any of the following qualifications:

- (a) Certificate III in Irrigation Technology (AHC32422)
- (b) Certificate III in Irrigation Technology (AHC32419)
- (c) Certificate II in Urban Irrigation (CPC20912).

#### **Practical experience**

Practical experience for each of the competencies in the abovementioned qualifications.

#### WATER PLUMBER - FIRE PROTECTION (HYDRANTS AND HOSE REELS)

The requirements for a water plumber - fire protection (hydrants and hose reels) licence include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

The successful completion of any of the following qualifications:

#### Plumbing qualifications

(a) A qualification for a plumber's licence as provided in Part 1, subsection (a) to (g) of this document

#### Fire protection qualifications

- (b) A fire protection apprenticeship completed in an Australian jurisdiction, and a Certificate III in Fire Protection completed after 1 January 2011
- (c) A fire protection apprenticeship completed in an Australian jurisdiction, and a qualification in fire protection completed prior to 1 January 2011 if the applicant has also completed the following units of competency:
  - (i) CPCPCM2043 Carry out WHS requirements
  - (ii) CPCPFS3046 Test the integrity of water-based fire protection systems using pressure
  - (iii) CPCPFS3047 Test and maintain automatic fire sprinklers
  - (iv) CPCPFS3037 Install residential life safety sprinkler systems
  - (v) CPCPFS3041 Inspect and test fire pumpsets
- (d) A fire protection apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Fire Protection (CPC32820)
- (e) A fire protection apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Fire Protection (CPC32820) because the applicant has also successfully completed relevant gap training competencies recognised in the National Register on Vocational Education and Training (VET) in Australia.

#### **Practical experience**

No practical experience.

#### WATER PLUMBER - FIRE PROTECTION (COMMERCIAL AND INDUSTRIAL)

The requirements for a water plumber - fire protection (commercial and industrial) licence include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

The successful completion of any of the following qualifications:

- (a) A fire protection apprenticeship completed in an Australian jurisdiction, and completion of a Certificate III in Fire Protection completed after 1 January 2011.
- (b) A fire protection apprenticeship completed in an Australian jurisdiction, and a qualification in fire protection completed prior to 1 January 2011 if the applicant has also completed the following units of competency:
  - (i) CPCPCM2043 Carry out WHS requirements
  - (ii) CPCPFS3046 Test the integrity of water-based fire protection systems using pressure
  - (iii) CPCPFS3047 Test and maintain automatic fire sprinklers
  - (iv) CPCPFS3037 Install residential life safety sprinkler systems
  - (v) CPCPFS3041 Inspect and test fire pumpsets
- (c) A fire protection apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Fire Protection (CPC32820); or

### WATER PLUMBER - FIRE PROTECTION (COMMERCIAL AND INDUSTRIAL CONTINUED)

#### **QUALIFICATIONS**

(d) A fire protection apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Fire Protection (CPC32820) because the applicant has also successfully completed relevant gap training competencies recognised in the National Register on Vocational Education and Training (VET) in Australia.

#### **Practical experience**

No practical experience.

#### WATER PLUMBER - FIRE PROTECTION (DOMESTIC AND RESIDENTIAL)

The requirements for a water plumber – fire protection (domestic and residential) licence include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

The successful completion of any of the following qualifications:

#### Plumbing qualifications

- (a) A qualification for a plumber's licence as provided in Part 1, subsection (a) to (g) of this document, and the following additional competencies:
  - (i) CPCPFS3037 Install residential life safety sprinkler systems; and
  - (ii) CPCPFS4021 Commission domestic and residential fire suppression sprinkler systems; and
  - (iii) CPCPFS4024 Design residential and domestic fire sprinkler systems.

#### Fire protection qualifications

Any one of the qualifications provided in (b) to (e), including the completion of the following units of competency (or equivalent):

- (i) CPCPFS4021 Commission domestic and residential fire suppression sprinkler systems; and
- (ii) CPCPFS4024 Design residential and domestic fire sprinkler systems.
- (b) A fire protection apprenticeship completed in an Australian jurisdiction, and a Certificate III in Fire Protection completed after 1 January 2011
- (c) A fire protection apprenticeship completed in an Australian jurisdiction, and a qualification in fire protection completed prior to 1 January 2011 if the applicant has also completed the following units of competency:
  - (i) CPCPCM2043 Carry out WHS requirements
  - (ii) CPCPFS3046 Test the integrity of water-based fire protection systems using pressure
  - (iii) CPCPFS3047 Test and maintain automatic fire sprinklers
  - (iv) CPCPFS3037 Install residential life safety sprinkler systems
  - (v) CPCPFS3041 Inspect and test fire pumpsets
- (d) A fire protection apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Fire Protection (CPC32820); or
- (e) A fire protection apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Fire Protection (CPC32820) because the applicant has also successfully completed relevant gap training competencies recognised in the National Register on Vocational Education and Training (VET) in Australia.

#### **Practical experience**

#### WATER PLUMBER - WATER AND SANITARY

The requirements for a water plumber - water and sanitary licence include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

The successful completion of any of the following qualifications:

- (a) A mechanical services apprenticeship completed in an Australian jurisdiction, and a Certificate III in Plumbing (Mechanical Services) (CPC32513)
- (b) A mechanical services apprenticeship completed in an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing (Mechanical Services) (CPC32513)
- (c) A mechanical services apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing (Mechanical Services) (CPC32513)
- (d) A mechanical services apprenticeship completed outside an Australian jurisdiction, and a qualification which has been assessed and verified by a registered training organisation as at least equivalent to a Certificate III in Plumbing (Mechanical Services) (CPC35213) because the applicant has also successfully completed relevant gap training competencies recognised in the National Register on Vocational Education and Training (VET) in Australia.

#### Practical experience

No practical experience.

### 8A. DRAINER - ON-SITE SEWAGE FACILITY (MAINTAINING ON-SITE SEWAGE FACILITIES)

The requirements for a drainer – on-site sewage facility (maintaining on-site sewage facilities) licence include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

#### Maintaining on-site sewage facilities:

- (a) WEP01B Maintain and service domestic treatment plants and onsite sewerage facilities; and
- (b) CPCPDR4013 Design and size domestic treatment plant disposal systems.

#### **Practical experience**

At least six (6) months practical experience in the work within the scope of work for which the licence is issued.

### 8B. DRAINER - ON-SITE SEWAGE FACILITY (CARRYING OUT OSTP INSTALLATION WORK AND MAINTAINING ON-SITE SEWAGE FACILITIES)

The requirements for a drainer – on-site sewage facility (carrying out On-site Sewage Treatment Plant (OSTP) installation work and maintaining on-site sewage facilities) licence include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

Maintaining on-site sewage facilities and OSTP installation work:

- (a) WEP01B Maintain and service domestic treatment plants and onsite sewerage facilities; and
- (b) CPCPDR4013 Design and size domestic treatment plant disposal systems; and
- (c) CPCPCM2043 Carry out WHS requirements; and
- (d) CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems
- (e) BSBESB402 Establish legal and risk management requirements of new business ventures

#### Practical experience

At least six (6) months practical experience in the work within the scope of work for which the licence is issued.

# PART 4 — TECHNICAL QUALIFICATIONS AND EXPERIENCE REQUIREMENTS FOR ENDORSEMENTS – PLUMBERS OR PROVISIONAL PLUMBERS LICENCES

Part 4 of this document relates to section 14 of the PD Act and schedule 4, part 4 of the PD Regulation which relates to the issuing of endorsements on plumbers and provisional plumbers licences.

#### BACKFLOW PREVENTION

The requirements for a backflow prevention endorsement include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

- (a) CPCPWT4022 Commission and maintain backflow prevention devices; or
- (b) If a plumber or provisional plumber has previously held a backflow prevention endorsement, the Backflow Prevention Revalidation course completed within the last five (5) years.

#### **Practical experience**

No practical experience.

#### THERMOSTATIC MIXING VALVE

The requirements for a thermostatic mixing valve endorsement include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

CPCPWT4023 — Commission and maintain hot and heated water temperature control devices.

#### **Practical experience**

No practical experience.

#### FIRE PROTECTION - COMMERCIAL AND INDUSTRIAL

The requirements for a fire protection - commercial and industrial endorsement include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

The successful completion of any of the following qualifications:

- (a) Successful completion of a Certificate III in Fire Protection completed after 1 January 2011.
- (b) Successful completion of a qualification in fire protection completed prior to 1 January 2011 if the applicant has also completed the following units of competency:
  - (i) CPCPCM2043 Carry out WHS requirements
  - (ii) CPCPFS3046 Test the integrity of water-based fire protection systems using pressure
  - (iii) CPCPFS3047 Test and maintain automatic fire sprinklers
  - (iv) CPCPFS3037 Install residential life safety sprinkler systems; and
  - (v) CPCPFS3041 Inspect and test fire pumpsets

#### **Practical experience**

#### FIRE PROTECTION - DOMESTIC AND RESIDENTIAL

The requirements for a fire protection – domestic and residential endorsement include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

- (a) CPCPFS3037 Install domestic and residential life safety sprinkler systems; and
- (b) CPCPFS4021 Commission domestic and residential fire suppression sprinkler systems; and
- (c) CPCPFS4024 Design residential fire sprinkler systems; and
- (d) CPCPCM2043 Carry out work health and safety requirements.

#### **Practical experience**

No practical experience.

#### SOLAR AND HEAT PUMP HOT WATER SYSTEM INSTALLATION

The requirements for a solar and heat pump hot water system installation endorsement include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

Course in Evaluating and Planning the Installation of Solar and Heat Pump Water Systems.

#### **Practical experience**

## PART 5 — TECHNICAL QUALIFICATIONS AND EXPERIENCE REQUIREMENTS FOR ENDORSEMENTS – DRAINERS OR PROVISIONAL DRAINERS LICENCES

Part 5 of this document relates to section 14 of the PD Act and schedule 4, part 5 of the PD Regulation which relates to the issuing of endorsements on drainers or provisional drainers licences.

#### ON-SITE SEWAGE FACILITY MAINTENANCE

The requirements for an on-site sewage facility maintenance endorsement include both the qualifications and practical experience as stated below.

#### **QUALIFICATIONS**

- (a) WEP01B Maintain and service domestic treatment plants and on-site sewage facilities; and
- (b) CPCPDR4013 Design and size domestic treatment plant disposal systems; and Practical experience

#### **Practical experience**

## APPENDIX A - MINIMUM COMPETENCIES REQUIRED FOR CERTIFICATE III IN PLUMBING (CPC32420)

#### **CORE UNITS**

CPCPCM2040 Read plans, calculate quantities and mark out materials CPCPCM2041 Work effectively in the plumbing services sector CPCPCM2043 Carry out WHS requirements CPCPCM2045 Handle and store plumbing materials CPCPCM2046 Use plumbing hand and power tools CPCPCM2047 Carry out WHS requirements CPCPCM2047 Carry out levelling CPCPCM2048 Cut and join sheet metal CPCPCM2048 Cut and join sheet metal CPCPCM2054 Carry out simple concreting and rendering CPCPCM2054 Cut was alely on roofs CPCPCM2055 Work safely on roofs CPCPCM2050 Work safely on roofs CPCPCM3016 Flash penetrations through roofs and walls CPCPCM3027 Weld polymer pipes using fusion method CPCPCM3028 Fabricate and install non-terrous pressure piping CPCPCM3029 Penetra simple drawings CPCPCM3020 Install trench support CPCPCM3021 Install trench support CPCPCM3025 Install storm water and sub-soil drainage systems and drain work site CPCPDR3026 Install storm water and sub-soil drainage systems and drain work site CPCPDR3027 Plan layout and install below ground sanitary drainage systems CPCPDR3021 Plan layout and install below ground sanitary drainage systems CPCPCR3031 Install consider domestic waterwater treatment plants and disposal systems CPCPCR3031 Install and install fire hydrant and hose real systems CPCPCR30301 Purge consumer piping CPCPCR30301 Purge consumer piping CPCPCR30303 Disconnect and reconnect Type A gas appliances CPCPCR30303 Disconnect and reconnect Type A gas appliances CPCPCR30309 Install gas appliance flues CPCPCR30309 Install gas and install natural ventilation for Type A gas appliances CPCPCR30309 Install Draw and install natural ventilation for Type A gas appliances CPCPCR30309 Install Draw and install install sanitary pumbing systems and fabricate and install sanitary stacks CPCPCR30301 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPW3020 Install and commission water heating systems and adjust controls and devices CPCPW3020 Install and commission water heating systems and adjust	CPCCCM2012	Work safely at heights
CPCPCM2041 Work effectively in the plumbing services sector CPCPCM2043 Carry out WHS requirements CPCPCM2045 Handle and store plumbing materials CPCPCM2046 Use plumbing hand and power tools CPCPCM2047 Carry out levelling CPCPCM2048 Cut and join sheet metal CPCPCM2048 Cut and join sheet metal CPCPCM2049 Carry out simple concreting and rendering CPCPCM2049 Carry out simple concreting and rendering CPCPCM3021 Flash penetrations through roofs and walls CPCPCM3022 Weld polymer pipes using fusion method CPCPCM3023 Fabricate and install non-ferrous pressure piping CPCPCM3024 Prepare simple drawings CPCPCM3025 Install storm water and sub-soil drainage systems and drain work site CPCPDR3025 Install storm water and sub-soil drainage systems and drain work site CPCPDR3026 Install or-site domestic wastewater treatment plants and disposal systems CPCPDR3027 Install on-site domestic wastewater treatment plants and disposal systems CPCPCR3034 Install or-site domestic wastewater treatment plants and disposal systems CPCPCR30304 Install ges appliance flues CPCPGS30304 Install ges appliance flues CPCPGS30305 Disconnect and reconnect Type A gas appliances CPCPGS30306 Size and install install install install install consumer gas piping systems CPCPGS30306 Size and install consumer gas piping systems CPCPGS30306 Install Consumer gas piping systems CPCPGS30306 Size and install consumer gas piping systems CPCPGS30306 Install CPC storage of aggregate storage capacity up to 500 litres CPCPGS30306 Install LPG storage of aggregate storage capacity up to 500 litres CPCPGS30301 Plant has layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPS30302 Install and commission Type A gas appliances CPCPGS30301 Second and install storage tanks to a domestic water suophy CPCPWT3021 Set out and install water services CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPCM2039	
CPCPCM2045 Handle and store plumbing materials CPCPCM2046 Use plumbing hand and power tools CPCPCM2047 Carry out levelling CPCPCM2047 Carry out levelling CPCPCM2048 Cut and join sheet metal CPCPCM2054 Carry out simple concreting and rendering CPCPCM2055 Work safely on roofs CPCPCM2055 Work safely on roofs CPCPCM3021 Flash penetrations through roofs and walls CPCPCM3022 Weld polymer pipes using fusion method CPCPCM3023 Fabricate and install non-ferrous pressure piping CPCPCM3024 Prepare simple drawings CPCPCM3025 Install trench support CPCPCM3026 Install trench support CPCPCM3027 Install trench support CPCPCM3027 Install storm water and sub-soil drainage systems and drain work site CPCPDR2026 Install perfabricated inspection openings and inspection chambers CPCPDR3021 Plan layout and install below ground sanitary drainage systems CPCPDR3021 Install on-site domestic wastewater treatment plants and disposal systems CPCPDR3021 Plan layout and install fire hydrant and hose real systems CPCPDR3021 Install gas pressure control equipment CPCPGS3048 Install gas pressure control equipment CPCPGS3049 Install gas appliance flues CPCPGS3051 Purge consumer piping CPCPGS3053 Disconnect and reconnect Type A gas appliances CPCPGS3054 Calculate and install install eventilation for Type A gas appliances CPCPGS3056 Size and install consumer gas piping systems CPCPGS3056 Install and commission Type A gas appliances CPCPGS3056 Install and commission Type A gas appliances CPCPGS3059 Install and commission Type A gas appliances CPCPGS3050 I	CPCPCM2040	Read plans, calculate quantities and mark out materials
CPCPCM2045 Handle and store plumbing materials  CPCPCM2046 Use plumbing hand and power tools  CPCPCM2047 Carry out levelling  CPCPCM2048 Cut and join sheet metal  CPCPCM2048 Cut and join sheet metal  CPCPCM2055 Work safely on roofs  CPCPCM2055 Work safely on roofs  CPCPCM3021 Flash penetrations through roofs and walls  CPCPCM3022 Weld polymer pipes using fusion method  CPCPCM3023 Fabricate and install non-ferrous pressure piping  CPCPCM3024 Prepare simple drawings  CPCPCM3025 Install thrench support  CPCPCM3025 Install thrench support  CPCPCM3026 Install storm water and sub-soil drainage systems and drain work site  CPCPDR2026 Install storm water and sub-soil drainage systems and drain work site  CPCPDR3027 Plan layout and install below ground sanitary drainage systems  CPCPDR3028 Install on-site domestic wastewater treatment plants and disposal systems  CPCPCPS3030 Install gas pressure control equipment  CPCPCS3048 Install gas pressure control equipment  CPCPCS3051 Purge consumer piping  CPCPCS3053 Disconnect and reconnect Type A gas appliances  CPCPCS3054 Calculate and install instrual ventilation for Type A gas appliances  CPCPCS3056 Size and install consumer gas piping systems  CPCPCS3057 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPCS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPCS3050 Install and commission Type A gas appliances  CPCPCS3050 Install and commission Type A gas appliances  CPCPCS3050 Install discharge pipes  CPCPS3050 Install discharge pipes  CPCPS3050 Install discharge pipes  CPCPS3050 Connect and install storage tanks to a domestic water supply  CPCPWT3020 Connect and install water services  CPCPWT3020 Install and commission water heating systems and adjust controls and devices	CPCPCM2041	Work effectively in the plumbing services sector
CPCPCM2046 CUse plumbing hand and power tools CPCPCM2047 Carry out levelling CPCPCM2048 Cut and join sheet metal CPCPCM2054 Carry out simple concreting and rendering CPCPCM2055 Work safely on roofs CPCPCM3021 Flash penetrations through roofs and walls CPCPCM3022 Weld polymer pipes using fusion method CPCPCM3022 Weld polymer pipes using fusion method CPCPCM3023 Fabricate and install non-ferrous pressure piping CPCPCM3024 Prepare simple drawings CPCPCM3025 Install trench support CPCPCM3025 Install storm water and sub-soil drainage systems and drain work site CPCPDR2026 Install perfabricated inspection openings and inspection chambers CPCPDR3021 CPCPDR3021 Plan layout and install below ground sanitary drainage systems CPCPDR3021 Plan layout and install below ground sanitary drainage systems CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems CPCPS3031 Fabricate and install fire hydrant and hose reel systems CPCPGS3048 Install gas pressure control equipment CPCPGS3059 CPCPGS3050 Purge consumer piping CPCPGS3051 Purge consumer piping CPCPGS3055 Disconnect and reconnect Type A gas appliances CPCPGS3056 Calculate and install natural ventilation for Type A gas appliances CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres CPCPGS3051 Install LPG storage of aggregate storage capacity up to 500 litres CPCPGS3051 CPCPGS3051 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN301 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN301 CPCPWT3020 Connect and install water services CPCPWT3021 Install and commission water heating systems and adjust controls and devices	CPCPCM2043	Carry out WHS requirements
CPCPCM2047 Carry out leveiling CPCPCM2054 Cut and join sheet metal CPCPCM2054 Carry out simple concreting and rendering CPCPCM2055 Work safely on roofs CPCPCM3021 Flash penetrations through roofs and walls CPCPCM3022 Weld polymer pipes using fusion method CPCPCM3023 Fabricate and install non-ferrous pressure piping CPCPCM3024 Prepare simple drawings CPCPCM3025 Install trench support CPCPCM3025 Install trench support CPCPCM3025 Install storm water and sub-soil drainage systems and drain work site CPCPCP0R2026 Install storm water and sub-soil drainage systems and drain work site CPCPDR2026 Install prefabricated inspection openings and inspection chambers CPCPDR3021 Plan layout and install below ground sanitary drainage systems CPCPDR3022 Install on-site domestic wastewater treatment plants and disposal systems CPCPR3031 Fabricate and install fire hydrant and hose reel systems CPCPGS3034 Install gas pressure control equipment CPCPGS3049 Install gas appliance flues CPCPGS3051 Purge consumer piping CPCPGS3051 Disconnect and reconnect Type A gas appliances CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres CPCPGS3061 Install and commission Type A gas appliances CPCPGS3061 Install and commission Type A gas appliances CPCPSN301 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN301 Set out and install water services CPCPWT3021 Set out and install water services CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPCM2045	Handle and store plumbing materials
CPCPCM2048 Cut and join sheet metal CPCPCM2054 Carry out simple concreting and rendering CPCPCM2055 Work safely on roofs CPCPCM3021 Flash penetrations through roofs and walls CPCPCM3022 Weld polymer pipes using fusion method CPCPCM3023 Fabricate and install non-ferrous pressure piping CPCPCM3024 Prepare simple drawings CPCPCM3025 Install trench support CPCPCM3025 Install trench support CPCPCM3026 Install storm water and sub-soil drainage systems and drain work site CPCPDR2026 Install storm water and sub-soil drainage systems and drain work site CPCPDR2026 Install prefabricated inspection openings and inspection chambers CPCPDR3021 Plan layout and install below ground sanitary drainage systems CPCPDR3021 Plan layout and install fire hydrant and hose reel systems CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems CPCPCPS3031 Fabricate and install fire hydrant and hose reel systems CPCPGS3048 Install gas pressure control equipment CPCPGS3049 Install gas appliance flues CPCPGS3051 Purge consumer piping CPCPGS3053 Disconnect and reconnect Type A gas appliances CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres CPCPGS3050 Install and commission Type A gas appliances CPCPGS3051 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN3021 Set out and install water services CPCPWT3020 Connect and install water services CPCPWT3021 Set out and install water services CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPCM2046	Use plumbing hand and power tools
CPCPCM2054 Carry out simple concreting and rendering CPCPCM2055 Work safely on roofs CPCPCM3021 Flash penetrations through roofs and walls CPCPCM3022 Weld polymer pipes using fusion method CPCPCM3023 Fabricate and install non-ferrous pressure piping CPCPCM3024 Prepare simple drawings CPCPCM3025 Install trench support CPCPCM3025 Install trench support CPCPCM3026 Install storm water and sub-soil drainage systems and drain work site CPCPDR2026 Install storm water and sub-soil drainage systems and drain work site CPCPDR2026 Install prefabricated inspection openings and inspection chambers CPCPDR3021 Plan layout and install below ground sanitary drainage systems CPCPDR3021 Plan layout and install below ground sanitary drainage systems CPCPDR3021 Install on-site domestic wastewater treatment plants and disposal systems CPCPCPS3031 Fabricate and install fire hydrant and hose reel systems CPCPCPS3034 Install gas pressure control equipment CPCPGS3048 Install gas pappliance flues CPCPGS3059 Purge consumer piping CPCPGS3051 Purge consumer piping CPCPGS3053 Disconnect and reconnect Type A gas appliances CPCPGS3056 Size and install natural ventilation for Type A gas appliances CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres CPCPGS3050 Install and commission Type A gas appliances CPCPGS3051 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN3022 Install discharge pipes CPCPWT3020 Connect and install water services CPCPWT3021 Set out and install water services CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPCM2047	Carry out levelling
CPCPCM3021 Flash penetrations through roofs and walls CPCPCM3022 Weld polymer pipes using fusion method CPCPCM3023 Fabricate and install non-ferrous pressure piping CPCPCM3024 Prepare simple drawings CPCPCM3025 Install trench support CPCPCM3025 Install trench support CPCPCM3026 Install storm water and sub-soil drainage systems and drain work site CPCPDR2021 Locate and clear blockages CPCPDR2025 Install storm water and sub-soil drainage systems and drain work site CPCPDR2026 Install prefabricated inspection openings and inspection chambers CPCPDR3021 Plan layout and install below ground sanitary drainage systems CPCPDR3021 Plan layout and install below ground sanitary drainage systems CPCPDR3031 Install on-site domestic wastewater treatment plants and disposal systems CPCPGS3048 Install gas pressure control equipment CPCPGS3049 Install gas appliance flues CPCPGS3050 Purge consumer piping CPCPGS3051 Purge consumer piping CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances CPCPGS3056 Size and install consumer gas piping systems CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres CPCPGS3050 Install and commission Type A gas appliances CPCPGS3051 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN3022 Install discharge pipes CPCPWT3021 Set out and install storage tanks to a domestic water supply CPCPWT3021 Set out and install water services CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPCM2048	Cut and join sheet metal
CPCPCM3021 Flash penetrations through roofs and walls  CPCPCM3022 Weld polymer pipes using fusion method  CPCPCM3023 Fabricate and install non-ferrous pressure piping  CPCPCM3024 Prepare simple drawings  CPCPCM3025 Install trench support  CPCPCM3025 Install trench support  CPCPDR2021 Locate and clear blockages  CPCPDR2026 Install storm water and sub-soil drainage systems and drain work site  CPCPDR2026 Install prefabricated inspection openings and inspection chambers  CPCPDR3021 Plan layout and install below ground sanitary drainage systems  CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems  CPCPS3031 Fabricate and install fire hydrant and hose reel systems  CPCPS3048 Install gas pressure control equipment  CPCPGS3049 Install gas appliance flues  CPCPGS3050 Disconnect and reconnect Type A gas appliances  CPCPGS3051 Qurge consumer piping  CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3050 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPGS3061 Install and commission Type A gas appliances  CPCPGS3061 Stall and commission Type A gas appliances  CPCPGS3061 Install and commission Type A gas appliances  CPCPGS3061 Stall discharge pipes  CPCPGS3062 Install discharge pipes  CPCPGS3063 Connect and install starial sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3012 Set out and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPCM2054	Carry out simple concreting and rendering
CPCPCM3022 Weld polymer pipes using fusion method  CPCPCM3023 Fabricate and install non-ferrous pressure piping  CPCPCM3024 Prepare simple drawings  CPCPCM3025 Install trench support  CPCPDR2021 Locate and clear blockages  CPCPDR2025 Install storm water and sub-soil drainage systems and drain work site  CPCPDR2026 Install prefabricated inspection openings and inspection chambers  CPCPDR3021 Plan layout and install below ground sanitary drainage systems  CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems  CPCPDR3031 Fabricate and install fire hydrant and hose reel systems  CPCPGS3048 Install gas appliance flues  CPCPGS3049 Install gas appliance flues  CPCPGS3051 Purge consumer piping  CPCPGS3053 Disconnect and reconnect Type A gas appliances  CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3050 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPCM2055	Work safely on roofs
CPCPCM3023 Fabricate and install non-ferrous pressure piping CPCPCM3024 Prepare simple drawings CPCPCM3025 Install trench support CPCPDR2021 Locate and clear blockages CPCPDR2025 Install storm water and sub-soil drainage systems and drain work site CPCPDR2026 Install prefabricated inspection openings and inspection chambers CPCPDR3021 Plan layout and install below ground sanitary drainage systems CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems CPCPPS3031 Fabricate and install fire hydrant and hose reel systems CPCPGS3048 Install gas pressure control equipment CPCPGS3049 Install gas appliance flues CPCPGS3051 Purge consumer piping CPCPGS3053 Disconnect and reconnect Type A gas appliances CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances CPCPGS3056 Size and install consumer gas piping systems CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres CPCPGS3050 Install and commission Type A gas appliances CPCPGS3051 Plant Layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN3011 Plant he layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN3022 Install discharge pipes CPCPWT3020 Connect and install water services CPCPWT3021 Install and commission water heating systems and adjust controls and devices	CPCPCM3021	Flash penetrations through roofs and walls
CPCPCM3025 Install trench support  CPCPDR2021 Locate and clear blockages  CPCPDR2025 Install storm water and sub-soil drainage systems and drain work site  CPCPDR2026 Install prefabricated inspection openings and inspection chambers  CPCPDR3021 Plan layout and install below ground sanitary drainage systems  CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems  CPCPDR3023 Fabricate and install fire hydrant and hose reel systems  CPCPGS3048 Install gas pressure control equipment  CPCPGS3049 Install gas appliance flues  CPCPGS3050 Purge consumer piping  CPCPGS3051 Purge consumer piping  CPCPGS3053 Disconnect and reconnect Type A gas appliances  CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3051 Plant he layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPS30022 Install discharge pipes  CPCPM3020 Connect and install storage tanks to a domestic water supply  CPCPW3021 Install and commission water heating systems and adjust controls and devices  CPCPW3022 Install and commission water heating systems and adjust controls and devices	CPCPCM3022	Weld polymer pipes using fusion method
CPCPCN3025 Install trench support  CPCPDR2021 Locate and clear blockages  CPCPDR2025 Install storm water and sub-soil drainage systems and drain work site  CPCPDR2026 Install prefabricated inspection openings and inspection chambers  CPCPDR3021 Plan layout and install below ground sanitary drainage systems  CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems  CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems  CPCPGS3031 Fabricate and install fire hydrant and hose reel systems  CPCPGS3048 Install gas appliance flues  CPCPGS3049 Install gas appliance flues  CPCPGS3051 Purge consumer piping  CPCPGS3053 Disconnect and reconnect Type A gas appliances  CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPS30011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3012 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPCM3023	Fabricate and install non-ferrous pressure piping
CPCPDR2025	CPCPCM3024	Prepare simple drawings
CPCPDR2025 Install storm water and sub-soil drainage systems and drain work site CPCPDR2026 Install prefabricated inspection openings and inspection chambers CPCPDR3021 Plan layout and install below ground sanitary drainage systems CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems CPCPFS3031 Fabricate and install fire hydrant and hose reel systems CPCPGS3048 Install gas pressure control equipment CPCPGS3049 Install gas appliance flues CPCPGS3051 Purge consumer piping CPCPGS3053 Disconnect and reconnect Type A gas appliances CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances CPCPGS3056 Size and install consumer gas piping systems CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres CPCPGS3061 Install and commission Type A gas appliances CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN3022 Install discharge pipes CPCPWT3020 Connect and install storage tanks to a domestic water supply CPCPWT3021 Set out and install water services CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPCM3025	Install trench support
CPCPDR2026 Install prefabricated inspection openings and inspection chambers  CPCPDR3021 Plan layout and install below ground sanitary drainage systems  CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems  CPCPFS3031 Fabricate and install fire hydrant and hose reel systems  CPCPGS3048 Install gas pressure control equipment  CPCPGS3049 Install gas appliance flues  CPCPGS3051 Purge consumer piping  CPCPGS3053 Disconnect and reconnect Type A gas appliances  CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPDR2021	Locate and clear blockages
CPCPDR3021 Plan layout and install below ground sanitary drainage systems  CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems  CPCPFS3031 Fabricate and install fire hydrant and hose reel systems  CPCPGS3048 Install gas pressure control equipment  CPCPGS3049 Install gas appliance flues  CPCPGS3051 Purge consumer piping  CPCPGS3053 Disconnect and reconnect Type A gas appliances  CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPDR2025	Install storm water and sub-soil drainage systems and drain work site
CPCPDR3023 Install on-site domestic wastewater treatment plants and disposal systems  CPCPFS3031 Fabricate and install fire hydrant and hose reel systems  CPCPGS3048 Install gas pressure control equipment  CPCPGS3049 Install gas appliance flues  CPCPGS3051 Purge consumer piping  CPCPGS3053 Disconnect and reconnect Type A gas appliances  CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPDR2026	Install prefabricated inspection openings and inspection chambers
CPCPGS3048 Install gas pressure control equipment  CPCPGS3049 Install gas appliance flues  CPCPGS3051 Purge consumer piping  CPCPGS3053 Disconnect and reconnect Type A gas appliances  CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPDR3021	Plan layout and install below ground sanitary drainage systems
CPCPGS3048 Install gas pressure control equipment  CPCPGS3049 Install gas appliance flues  CPCPGS3051 Purge consumer piping  CPCPGS3053 Disconnect and reconnect Type A gas appliances  CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPDR3023	Install on-site domestic wastewater treatment plants and disposal systems
CPCPGS3049 Install gas appliance flues  CPCPGS3051 Purge consumer piping  CPCPGS3053 Disconnect and reconnect Type A gas appliances  CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPFS3031	Fabricate and install fire hydrant and hose reel systems
CPCPGS3051 Purge consumer piping  CPCPGS3053 Disconnect and reconnect Type A gas appliances  CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPGS3048	Install gas pressure control equipment
CPCPGS3053 Disconnect and reconnect Type A gas appliances  CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPGS3049	Install gas appliance flues
CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances  CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPGS3051	Purge consumer piping
CPCPGS3056 Size and install consumer gas piping systems  CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPGS3053	Disconnect and reconnect Type A gas appliances
CPCPGS3059 Install LPG storage of aggregate storage capacity up to 500 litres  CPCPGS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPGS3054	Calculate and install natural ventilation for Type A gas appliances
CPCPGS3061 Install and commission Type A gas appliances  CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks  CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPGS3056	Size and install consumer gas piping systems
CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks CPCPSN3022 Install discharge pipes CPCPWT3020 Connect and install storage tanks to a domestic water supply CPCPWT3021 Set out and install water services CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPGS3059	Install LPG storage of aggregate storage capacity up to 500 litres
CPCPSN3022 Install discharge pipes  CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPGS3061	Install and commission Type A gas appliances
CPCPWT3020 Connect and install storage tanks to a domestic water supply  CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPSN3011	Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks
CPCPWT3021 Set out and install water services  CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPSN3022	Install discharge pipes
CPCPWT3022 Install and commission water heating systems and adjust controls and devices	CPCPWT3020	Connect and install storage tanks to a domestic water supply
	CPCPWT3021	Set out and install water services
CPCPWT3025 Install water pump sets	CPCPWT3022	Install and commission water heating systems and adjust controls and devices
	CPCPWT3025	Install water pump sets

## APPENDIX A - MINIMUM COMPETENCIES REQUIRED FOR CERTIFICATE III IN PLUMBING (CPC32420)(CONTINUED)

#### **CORE UNITS CONTINUED**

CPCPWT3026	Install and fit off sanitary fixtures, water services and adjust water service controls
CPCPWT3027	Install back flow prevention devices
CPCPRF2023	Collect and store roof water
CPCPRF3022	Fabricate and install roof drainage systems
CPCPRF3023	Fabricate and install external flashings
CPCPRF3024	Install roof components
HLTAID011	Provide first aid

#### **ELECTIVE UNITS**

CPCCCM2008	Erect and dismantle restricted height scaffolding
CPCPFS3038	Test and maintain fire hydrant and hose reel installations
CPCPWT3024	Install and maintain domestic water treatment equipment
CPCPWT3028	Install property service
CPCPWT3029	Install water pipe systems
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry
CPCPRF2022	Select and install roof sheeting and wall cladding
CPCPRF3026	Install roof sheets, wall cladding and complex flashings
CPCPGS3046	Install LPG systems in caravans, mobile homes and mobile workplaces
CPCPGS3052	Maintain Type A gas appliances
CPCPGS3055	Install gas sub-meters
CPCPGS3047	Install LPG systems in marine craft
CPCPSN3025	Install pre-treatment facilities
CPCPSN3026	Install sewerage pumpsets
CPCPGS3060	Install LPG storage of aggregate storage capacity exceeding 500 litres and less than 8 kl

#### **Need more information?**

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