

Domain	PLUMBING	Unit ID: 465
Title:	Install pre-fabricated inspection openings and enclosures as part of plumbing operations	
Level: 3		Credits: 4

Purpose

This unit standard specifies the competencies required to install pre-fabricated inspection openings and enclosures in a drainage system. It includes planning and preparing for work, identifying installation requirements, installing pre-fabricated inspection openings and enclosures and cleaning up the work area.

This unit standard is intended for those who work as plumbers.

Special Notes

1. Entry information:
 - Prerequisite
 - 434 - *Apply safety rules and regulations in plumbing operations or demonstrated equivalent knowledge and skills.*
2. Assessment evidence may be collected from a real workplace or simulated real workplace or an appropriate simulated realistic environment in which plumbing operations are carried out.
3. Tools and equipment may include, but are not limited to hand and power tools, measuring equipment, levelling equipment, hand excavation tools and water testing equipment.
4. Materials may include but are not limited to concrete, UPVC (Unplasticised Poly Vinyl Chloride), and polyethylene pre-fabricated inspection openings and enclosures.
5. Performance of all elements in this unit standard must comply with all relevant workplace requirements and/or manufacturers' specifications.
6. Regulations and legislation relevant to this unit standard include the following:
 - Labour Act, No. 6, 1992
 - Occupational Health and Safety Regulations No. 18, 1997 and all subsequent amendments.

Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1: Plan and prepare for work

Range

Planning and preparation may include but is not be limited to workplace inspection, equipment defect identification, assessment of conditions and hazards and determination of work requirements.

Performance Criteria

- 1.1 Plans and specifications are obtained, confirmed and applied.
- 1.2 Safety requirements associated with installing pre-fabricated inspection opening and enclosures and the workplace environment are adhered to throughout the work.
- 1.3 Quality assurance requirements are identified and adhered to in accordance with workplace procedures.
- 1.4 Tasks are planned and sequenced in conjunction with others involved or affected by the work.
- 1.5 Tools and equipment, including personal protective equipment, are selected and checked for serviceability in line with workplace procedures.
- 1.6 Work area is prepared to support the efficient installation of pre-fabricated inspection openings and enclosures.

Element 2: Identify installation requirements

Performance criteria

- 2.1 Location of the installation is determined, in accordance with plans, specifications and site requirements.
- 2.2 Quantity and type of materials required are calculated from design drawings/specifications and comply with local authorities' requirements.

- 2.3 Materials are ordered and checked for compliance with docket/order form and for acceptable condition.

Element 3: Install pre-fabricated inspection openings and enclosures

Performance criteria

- 3.1 Site and location of the excavation is marked in accordance with plans, drawings and specifications.
- 3.2 Site is excavated and prepared for installation in accordance with plans, specifications and regulatory authorities' requirements with damage to surrounding structures of the environment.
- 3.3 Pre-fabricated inspection openings and enclosures are installed in line with plans, specifications and local authority requirements.

Element 4: Clean up the work area

Performance criteria

- 4.1 Excavation is backfilled to specifications and work area is cleared with materials disposed of or recycled in line with workplace procedures.
- 4.2 Tools and equipment are cleaned, checked, maintained and stored in line with manufacturers' recommendations and workplace procedures.
- 4.3 Documentation is completed in line with workplace and regulatory authorities' requirements.

Registration Data

Subfield:	General Construction
Date first registered:	15 November 2007
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Body responsible for review:	Namibia Training Authority