

INSTALLATION OF SANITARY APPLIANCES

UNIT CODE: CON/CU/PL/CR/04/4/A

Relationship to Occupational Standards

This unit addresses the Unit of Competency: Install sanitary appliances

Duration of Unit: 70 hours

Unit Description

This unit covers the competencies required to install sanitary appliances. It involves interpreting working and manufacturers' drawings, quantifying sanitary appliance, mounting sanitary appliances, testing the working of sanitary appliances and carrying out housekeeping activities

Summary of Learning Outcomes

1. Interpret working drawing
2. Interpret manufacturers drawings
3. Quantify sanitary appliances
4. Mount sanitary appliances
5. Test working of sanitary appliances
6. Carryout housekeeping activities

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Interpret working drawing	<ul style="list-style-type: none">• Terms and Concepts• Symbols• Scales• Measurements• Reference points	<ul style="list-style-type: none">• Observation• Written tests• Oral questioning• Interviewing• Third party reports

2. Interpret manufacturers drawings	<ul style="list-style-type: none"> • Terms and concepts • Symbols • Manufacturers specifications • Assembling of sanitary appliances 	<ul style="list-style-type: none"> • Observation • Written tests • Oral questioning • Interviewing • Third party reports
3. Quantify sanitary appliances	<ul style="list-style-type: none"> • Terms and concepts • Sanitary appliances and supplies • Types of sanitary appliances • Estimation of quantities 	<ul style="list-style-type: none"> • Observation • Written tests • Oral questioning • Interviewing • Third party reports
4. Mount sanitary appliances	<ul style="list-style-type: none"> • Terms and concepts • PPEs • Positioning of sanitary appliances • Fixing and fastening • Soundness test • Stands and supports • Housekeeping • Occupational health and safety 	<ul style="list-style-type: none"> • Observation • Written tests • Oral questioning • Interviewing • Third party reports
5. Test and commission working of sanitary appliances	<ul style="list-style-type: none"> • Functionality test • Faults in sanitary appliances • Commission and hand over 	<ul style="list-style-type: none"> • Observation • Written tests • Oral questioning • Interviewing • Third party reports
6. Carryout housekeeping activities	<ul style="list-style-type: none"> • Meaning and significance of housekeeping activities • Waste management • Care, maintenance and storage of tools and equipment 	<ul style="list-style-type: none"> • Observation • Written tests • Oral questioning • Interviewing • Third party reports

Suggested Methods of Instruction:

- Demonstration by trainer
- Practice by the trainee
- Field trips
- Discussions
- Direct instruction

Recommended Resources

Functional Masonry Workshop with the following:

Tools and Equipment

- Spirit level
- Bolster
- Cold chisel
- Jointing knife/rod
- Stepping ladder
- Building line
- Plumb bob
- Measuring tools (Tape measure,
- Power tools
- PPE's
- Straight edge
- Mason's Square
- Pipe wrench
- Pipe bending machine
- Blow lamp
- Reamers
- Files
- Drills and drill bits
- Mason's hammer
- Chisel
- Trowels (Brick, pointing, window, corner and finishing trowels)

Supplies and Materials

- Adhesives
- Sanitary appliances
- Fasteners
- Cement
- Sand
- Pipes
- Fittings
- Caulking material

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