



THE REPUBLIC OF KENYA

NATIONAL OCCUPATIONAL STANDARDS
FOR
BUILDING TECHNICIAN

KNQF LEVEL 6
ISCED PROGRAM CODE: 0732 554B



TVET CDACC
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NAIROBI

INSTALL BUILDING DOORS AND WINDOWS

UNIT CODE: CON/OS/BUT/CR/10/6/A

UNIT DESCRIPTION

This Unit describes the competences required to install building windows and doors. It involves preparing window and door schedule, fabricating/ordering building doors and windows, fixing building doors and windows and applying door and window finishes.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA <i>(Bold and italicized terms are elaborated in the Range)</i>
1. Prepare window and door schedule	1.1 Doors and window dimensions and specifications are identified based on the architectural drawings 1.2 Door and window sketches are prepared based on dimensions and specifications 1.3 Window and door schedule is prepared with quantities and quoted prices
2. Fabricate/order doors and windows	2.1 Door and window specifications are obtained from door and window schedule and architectural plan 2.2 Doors and windows are fabricated and ordered as per set procedures 2.3 Doors and windows are delivered to the site as per standard operating procedures
3. Fix doors and windows	3.1 Door and window openings are prepared for fixing as per SOPs 3.2 Connecting iron mongery is fixed on the door and window openings as per SOPs 3.3 Doors and windows are fixed as per SOPs
4. Apply door and window finishes	4.1 Windows and doors (where applicable) glazing is fixed as per SOPs 4.2 Windows and doors plastering are applied as per SOPs 4.3 Iron mongery (other) are fixed as per SOPs 4.4 Windows and doors are painted as per SOPs

RANGE

Variable	Range
1. Prepared may include but is not limited to:	<ul style="list-style-type: none">• Hacking• Drilling
2. Connecting iron mongery may include but is not limited to:	<ul style="list-style-type: none">• Hinges
3. Iron mongery (other) may include but is not limited to:	<ul style="list-style-type: none">• Stoppers• Locks• Stays

REQUIRED KNOWLEDGE

- Material scheduling
- Types of doors and windows
- Door and window fabrication methods
- Plan interpretation
- Dimensioning
- Sketching
- Iron mongery
- Door and window finishes

SKILLS

- Sketching
- Planning
- Interpretation
- Critical thinking
- Analytical
- Fixing

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical Aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <ul style="list-style-type: none"> 1.1 Prepared simple window and door schedule 1.2 Transferred window and door specification to fabrication workshop 1.3 Fixed simple doors and windows 1.4 Applied door and window finishes
2. Resource Implications	<p>The following resources should be provided:</p> <ul style="list-style-type: none"> 2.1 Materials and equipment specifications 2.2 External workshops/in site workshops 2.3 Fabrication tools and equipment 2.4 Trained Quality control staff
3. Methods of Assessment	<p>Competency may be assessed through:</p> <ul style="list-style-type: none"> 3.1 Interview 3.2 Case Study/Situation 3.3 oral questioning 3.4 Practical Test
4. Context of Assessment	<p>Competency may be assessed on the job, off the job or a combination of these. Off the job assessment must be undertaken in a closely simulated workplace environment.</p>
5. Guidance information for assessment	<p>Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended</p>