

# Level 2 NVQ Certificate in Construction using Off-site Manufactured Assemblies (Construction)

**Qualification Specification** 

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## Introduction

The ProQual Level 2 NVQ Certificate in Construction using Off-site Manufactured Assemblies (Construction) qualification provides a nationally recognised qualification for installers and operatives of off-site manufactured assemblies. The qualification assesses occupational competence in the workplace where candidates are required to demonstrate skills and knowledge to a level required in the construction industry. There are three pathways:

Pathway 1: Cold Formed Steel Frame - Assembly Pathway 2: Erection of Precast Concrete – Flooring Pathway 3: Erection of Precast Concrete - Cladding

The awarding body for this qualification is ProQual Awarding Body (<u>www.proqualab.com</u>) and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual).

The qualification has been accredited onto the Regulated Qualifications Framework (RQF) and is published on Ofqual's Register of Qualifications.

# Qualification Profile Level 2 NVQ Certificate in Construction using Off-site Manufactured Assemblies (Construction)

Qualification title	ProQual Level 2 NVQ Certificate in Construction using Off- site Manufactured Assemblies (Construction)
Ofqual qualification number	603/3412/5
Level	2
Total Qualification Time	260 hours (124 GLH)
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	10/07/18
Qualification end date	

# **Entry Requirements**

There are no formal entry requirements for this qualification.

Centres should carry out an **initial assessment** of candidate skills and knowledge to identify any gaps and help plan the assessment.

## **Qualification Structure**

To achieve the qualification candidates must complete all of the Mandatory units from one of the Pathways.

Candidates may also complete any of the Additional Units but these will not count towards the qualification.

CITB references and credit values are provided in this document for information only.

#### **Pathways**

There are 3 Pathways, the Mandatory requirements for each are listed below.

Pathway 1: Cold Formed Steel Frame - Assembly Pathway 2: Erection of Precast Concrete – Flooring Pathway 3: Erection of Precast Concrete - Cladding

## Pathway 1 : Cold Formed Steel Frame - Assembly

Mandatory Ur	CITB reference provided for information only		
Unit Ref.	Title	CITB Internal Unit Ref.	
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	641
T/508/6538	Conforming to productive working practices in the2workplace		642
Y/508/6533	Moving, handling and storing resources in the workplace	2	643
A/617/1438	Preparing and assembling cold formed steel frames in the workplace <u>Unit Endorsements</u> : <b>One</b> of the following endorsements required: Wall frames Floor frames Support structures Roof	2	499v2

Candidates must complete FOUR Mandatory units.

## Pathway 1 Additional Units

Candidates may complete any of the Additional Units but these will not count towards the qualification.

Additional Un	CITB reference provided for information only		
Unit Ref.	Title	Level	CITB Internal Unit Ref.
F/616/1705	Install sheeting and cladding systems on roofs and walls in the workplace <u>Unit Endorsements:</u> The following endorsement required (i.e. own area of work): Cold Formed Steel Frame <b>Plus One</b> of the following endorsements required: Built up Standing seam Secret Fix Composite panel Fibre-cement	2	95v2
L/616/1707	Preparing backing walls to receive rainscreen wall cladding systems in the workplace	2	183v3
A/508/6525	Slinging and hand signalling the movement of suspended loads in the workplace <u>Unit Endorsements</u> : The following endorsement required (i.e. own area of work): Slinger signaller – Construction using Off-site Manufactured Assemblies - Cold Formed Steel Frame Assembly)	2	402Av1

## Pathway 2 : Erection of Precast Concrete - Flooring

Mandatory Ur	CITB reference provided for information only		
Unit Ref.	Title		CITB Internal Unit Ref.
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	641
T/508/6538	Conforming to productive working practices in the workplace	2	642
Y/508/6533	Moving, handling and storing resources in the workplace	2	643
H/615/1734	Erecting precast concrete flooring units in the workplace	2	180v2
A/508/6525	Slinging and hand signalling the movement of suspended loads in the workplace <u>Unit Endorsements</u> : The following endorsement required (i.e. own area of work): Slinger signaller – Construction using Off-site Manufactured Assemblies - Cold Formed Steel Frame Assembly)	2	402Av1

Candidates must complete **FIVE** Mandatory units.

## Pathway 2 Additional Units

Candidates may complete any of the Additional Units but these will not count towards the qualification.

Additional Un	CITB reference provided for information only		
Unit Ref.	Title	Level	CITB Internal Unit Ref.
K/508/4648	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace	2	392Av3
M/506/4649	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace <u>Unit Endorsements</u> : <b>One</b> of the following endorsements required: Mobile elevated working platform boom vehicle mounted Mobile elevated working platform boom self-propelled	2	392Bv3
T/508/6510	Preparing and operating mast climber-type mobile elevating work platforms (MEWP) in the workplace	2	392Cv3

## Pathway 3 : Erection of Precast Concrete - Cladding

Mandatory Ur	CITB reference provided for information only		
Unit Ref.	Title Level		CITB Internal Unit Ref.
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	641
T/508/6538	Conforming to productive working practices in the workplace	2	642
Y/508/6533	Moving, handling and storing resources in the workplace	2	643
A/615/1738	Erecting precast concrete cladding units in the workplace	2	181v2
A/508/6525	Slinging and hand signalling the movement of suspended loads in the workplace <u>Unit Endorsements</u> : The following endorsement required (i.e. own area of work): Slinger signaller – Construction using Off-site Manufactured Assemblies - Cold Formed Steel Frame Assembly)	2	402Av1

Candidates must complete FIVE Mandatory units.

## Pathway 3 Additional Units

Candidates may complete any of the Additional Units but these will not count towards the qualification.

Additional Un	CITB reference provided for information only		
Unit Ref.	Title	Level	CITB Internal Unit Ref.
K/508/4648	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace	2	392Av3
M/506/4649	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace <u>Unit Endorsements</u> : <b>One</b> of the following endorsements required: Mobile elevated working platform boom vehicle mounted Mobile elevated working platform boom self-propelled	2	392Bv3
T/508/6510	Preparing and operating mast climber-type mobile elevating work platforms (MEWP) in the workplace	2	392Cv3

## **Centre Requirements**

Centres must be approved to offer this qualification. If your centre is not approved please complete and submit form **ProQual Additional Qualification Approval Application**.

## Staff

Staff delivering this qualification must be appropriately qualified and/or occupationally competent.

## Assessors/Internal Quality Assurance

Assessors for each unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.

Assessors and internal quality assurance verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or internal quality assurance qualifications.

## **Support for Candidates**

Materials produced by centres to support candidates should:

- enable them to track their achievements as they progress through the learning outcomes and assessment criteria;
- provide information on where ProQual's policies and procedures can be viewed;
- provide a means of enabling Internal and External Quality Assurance staff to authenticate evidence

## Links to National Standards / NOS mapping

National Occupational Standards (NOS) are owned by a Sector Skills Council or Standard Setting Body and they describe the skills, knowledge and understanding needed to undertake a particular task or job at different levels of competence.

The structure and units of this qualification are based on NOS for the construction sector developed by CITB.

## Assessment

This qualification is competence-based, candidates must demonstrate the level of competence described in the units. Assessment is the process of measuring a candidate's skill, knowledge and understanding against the standards set in the qualification.

The qualifications must be assessed in a work environment and in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment, and it must be internally assessed by an appropriately experienced and qualified assessor.

Each candidate is required to produce a portfolio of evidence which demonstrates their achievement of all of the learning outcomes and assessment criteria for each unit.

Evidence can include:

- observation report by assessor
- assignments/projects/reports
- professional discussion
- witness testimony
- candidate product
- worksheets
- record of oral and written questioning
- Recognition of Prior Learning

**Learning outcomes** set out what a candidate is expected to know, understand or be able to do.

**Assessment criteria** specify the standard a candidate must meet to show the learning outcome has been achieved.

Learning outcomes and assessment criteria can be found from page 12.

Additional information for assessment and requirements for unit endorsements where relevant is included after all of the learning outcomes and assessment criteria for each unit.

## **Internal Quality Assurance**

An internal quality assurance verifier confirms that assessment decisions made in centres are made by competent and qualified assessors, that they are the result of sound and fair assessment practice and that they are recorded accurately and appropriately.

# **Adjustments to Assessment**

Adjustments to standard assessment arrangements are made on the individual needs of candidates. ProQual's Reasonable Adjustments Policy and Special Consideration Policy sets out the steps to follow when implementing reasonable adjustments and special considerations and the service that ProQual provides for some of these arrangements.

Centres should contact ProQual for further information or queries about the contents of the policy.

# **Results Enquiries and Appeals**

All enquiries relating to assessment or other decisions should be dealt with by centres, with reference to ProQual's Enquiries and Appeals Procedures.

# Certification

Candidates who achieve the requirements for this qualification will be awarded:

- A certificate listing all units achieved, and
- A certificate giving the full qualification title -

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#### **Claiming certificates**

Centres may claim certificates for candidates who have been registered with ProQual and who have successfully achieved the qualification. All certificates will be issued to the centre for successful candidates.

#### **Unit certificates**

If a candidate does not achieve all of the units required for a qualification, the centre may claim a unit certificate for the candidate which will list all of the units achieved.

#### **Replacement certificates**

If a replacement certificate is required a request must be made to ProQual in writing. Replacement certificates are labelled as such and are only provided when the claim has been authenticated. Refer to the Fee Schedule for details of charges for replacement certificates.

Title:	Conforming to general health, safety and welfare in the workplace.		
Unit Number:	M/508/6537		
Learning outcomes The learner will be able to:			ssment criteria earner can:
1 Comply with all workplace health, safety and welfare legislation requirements.		1.1	Comply with information from workplace inductions and any health, safety and welfare briefings attended relevant to the occupational area.
		1.2	Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements.
		1.3	Comply with statutory requirements, safety notices and warning notices displayed within the workplace and/or on equipment.
		1.4	<ul> <li>State why and when health and safety control equipment, identified by the principles of protection, should be used relating to types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: <ul> <li>collective protective measures</li> <li>personal protective equipment (PPE)</li> <li>respiratory protective equipment (RPE)</li> <li>local exhaust ventilation (LEV).</li> </ul> </li> </ul>
		1.5	State how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.
		1.6	State which types of health, safety and welfare legislation, notices and warning signs are relevant to the occupational area and associated equipment.
		1.7	State why health, safety and welfare legislation, notices and warning signs are relevant to the occupational area.
		1.8	State how to comply with control measures that have been identified by risk assessments and safe systems of work.
2 Recognise haza with the workpl not been previc	ace that have ously controlled	2.1	Report any hazards created by changing circumstances within the workplace in accordance with organisational procedures.
and report them in accordance with organisational procedures.	2.2	List typical hazards associated with the work environment and occupational area in relation to resources, substances, asbestos, equipment, obstructions, storage, services and work activities.	
		2.3	List the current Health and Safety Executive top ten safety risks.

Title:	Conforming to	Conforming to general health, safety and welfare in the workplace.	
Learning outcomes			ssment criteria
The learner will be a	able to:	The le	arner can:
2 continued		2.4	List the current Health and Safety Executive top five health risks.
		2.5	State how changing circumstances within the workplace could cause hazards.
		2.6	State the methods used for reporting changed circumstances, hazards and incidents in the workplace.
policies and p		3.1	Interpret and comply with given instructions to maintain safe systems of work and quality working practices.
contribute to health, safety and welfare.	3.2	Contribute to discussions by offering/providing feedback relating to health, safety and welfare.	
		3.3	Contribute to the maintenance of workplace welfare facilities in accordance with workplace welfare procedures.
		3.4	Safely store health and safety control equipment in accordance with given instructions.
		3.5	Dispose of waste and/or consumable items in accordance with legislation.
		3.6	<ul> <li>State the organisational policies and procedures for health, safety and welfare, in relation to: <ul> <li>dealing with accidents and emergencies associated with the work and environment</li> <li>methods of receiving or sourcing information</li> <li>reporting</li> <li>stopping work</li> <li>evacuation</li> <li>fire risks and safe exit procedures</li> <li>consultation and feedback.</li> </ul> </li> </ul>
		3.7	State the appropriate types of fire extinguishers relevant to the work.
		3.8	State how and when the different types of fire extinguishers are used in accordance with legislation and official guidance.

Tit	le:	Conforming to general health, safety and welfare in the workplace.		
	arning outcome e learner will be c			sment criteria arner can:
4 Work responsibly to contribute to workplace health, safety and welfare		4.1	Demonstrate behaviour which shows personal responsibility for general workplace health, safety and welfare.	
	whilst carrying out work in the relevant occupational area.		4.2	<ul> <li>State how personal behaviour demonstrates</li> <li>responsibility for general workplace health, safety and welfare, in relation to:</li> <li>recognising when to stop work in the face of serious and imminent danger to self and/or others</li> <li>contributing to discussions and providing feedback</li> <li>reporting changed circumstances and incidents in the workplace</li> <li>complying with the environmental requirements of the workplace.</li> </ul>
			4.3	Give examples of how the behaviour and actions of individuals could affect others within the workplace.
5	5 Comply with and support all organisational security arrangements and approved procedures.		5.1	<ul> <li>Provide appropriate support for security arrangements in accordance with approved procedures: <ul> <li>during the working day</li> <li>on completion of the day's work</li> <li>for unauthorised personnel (other operatives and the general public)</li> <li>for theft.</li> </ul> </li> </ul>
			5.2	State how security arrangements are implemented in relation to the workplace, the general public, site personnel and resources.

Title:	Conforming to general health, safety and welfare in the workplace.	
Additional inform	nation about this	unit
Assessment Guida	ance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. Workplace evidence of skills cannot be simulated.
Sector Subject Are	ea	05.2 Building and Construction
Availability for use		Shared unit
Unit guided learning hours		7

Title: Conforming to		produ	ctive working practices in the workplace	
Unit Number: T/508/6538				
Learning outcomes The learner will be able to:			Assessment criteria The learner can:	
1 Communicate with others to establish productive work practices.		1.1	Communicate in an appropriate manner with line management, colleagues and/or customers to ensure that work is carried out productively.	
			Describe the different methods of communicating with line management, colleagues and customers.	
		1.3	Describe how to use different methods of communication to ensure that the work carried out is productive.	
2 Follow orga procedures sequence c	to plan the	2.1	Interpret relevant information from organisational procedures in order to plan the sequence of work.	
sequence c	JI WOIK.	2.2	Plan the sequence of work, using appropriate resources, in accordance with organisational procedures to ensure work is completed productively.	
		2.3	<ul> <li>Describe how organisational procedures are applied to ensure work is planned and carried out productively, in relation to:</li> <li>using resources for own and other's work requirements</li> <li>allocating appropriate work to employees</li> <li>organising the work sequence</li> <li>reducing carbon emissions.</li> </ul>	
		2.4	Describe how to contribute to zero/low carbon work outcomes within the built environment.	
accordance	ntain relevant records in ordance with the anisational procedures.	3.1	Complete relevant documentation according to the occupation as required by the organisation.	
organisatio		3.2	Describe how to complete and maintain documentation in accordance with organisational procedures, in relation to: – job cards – worksheets – material/resource lists – time sheets.	
		3.3	Explain the reasons for ensuring documentation is completed clearly and within given timescales.	
relationship	g to productive	4.1	Carry out work productively, to the agreed specification, in conjunction with line management, colleagues, customers and/or other relevant people involved in the work to maintain good working relationships.	

Title:	Conforming to productive working practices in the workplace		
Learning outcomes The learner will be able to:		Assessment criteria The learner can:	
		4.2	Apply the principles of equality and diversity and respect the needs of individuals when communicating and working with others.
		4.3	<ul> <li>Describe how to maintain good working relationships, in relation to:</li> <li>individuals</li> <li>customer and operative</li> <li>operative and line management</li> <li>own and other occupations.</li> </ul>
		4.4	Describe why it is important to work effectively with line management, colleagues and customers.
		4.5	Describe how working relationships could have an effect on productive working.
		4.6	Describe how to apply principles of equality and diversity when communicating and working with others.

Title:	Conforming to Productive Working Practices in the Workplace			
Additional inform	Additional information about this unit			
Assessment Guida	ance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. Workplace evidence of skills cannot be simulated.		
Sector Subject Are	eas	05.2 Building and Construction		
Availability for use	2	Shared unit		
Unit guided learning hours		10		

Titl	le:	Moving, handl	ling and	d storing resources in the workplace
Unit Number Y/508/6533				
Learning outcomes The learner will be able to:			arner can:	
1 Comply with given information when moving, handling and/or storing		1.1	Interpret the given information relating to moving, handling and/or storing resources, relevant to the given occupation.	
	resources.		1.2	Interpret the given information relating to the use and storage of lifting aids and equipment.
			1.3	Describe the different types of technical, product and regulatory information, their source and how they are interpreted.
			1.4	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
			1.5	Describe how to obtain information relating to using and storing lifting aids and equipment.
2	2 Know how to comply with relevant legislation and official guidance when moving, handling and/or storing resources.		2.1	<ul> <li>Describe their responsibilities under current legislation and official guidance whilst working: <ul> <li>in the workplace, in confined spaces, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</li> </ul></li></ul>
			2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
			2.3	Explain what the accident reporting procedures are and who is responsible for making the reports.
			2.4	State the appropriate types of fire extinguishers relevant to the work.
			2.5	Describe how and when the different types of fire extinguishers, relevant to the given occupation, are used in accordance with legislation and official guidance.
3	Maintain safe practices whe handling and/ resources.	n moving,	3.1	Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements when moving, handling and/or storing resources.
			3.2	Use lifting aids safely as appropriate to the work.

Titl	e:	Moving, handli	ng anc	storing resources in the workplace
Learning outcomes The learner will be able to:		Assessment criteria The learner can:		
3	3 continued		3.3	Protect the environment in accordance with safe working practices as appropriate to the work.
			3.4	<ul> <li>Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to moving, handling and/or storing resources, and the types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: <ul> <li>collective protective measures</li> <li>personal protective equipment (PPE)</li> <li>respiratory protective equipment (RPE)</li> <li>local exhaust ventilation (LEV).</li> </ul> </li> </ul>
			3.5	Describe how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.
			3.6	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4		resources for the	4.1	Select the relevant resources to be moved, handled and/or stored, associated with own work.
	methods of work to move, handle and/or store occupational resources.	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the occupational resources in relation to: – lifting and handling aids – container(s) – fixing, holding and securing systems.	
		4.3	Describe how the resources should be handled and how any problems associated with the resources are reported.	
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.	
			4.5	Describe any potential hazards associated with the resources and methods of work.
5	Prevent the risk of damage to occupational resources and surrounding environment when moving, handling and/or storing resources.	5.1	Protect occupational resources and their surrounding area from damage in accordance with safe working practices and organisational procedures.	
			5.2	Dispose of waste and packaging in accordance with legislation.

Title:	Moving, handl	ing and	storing resources in the workplace	
Learning outcomes The learner will be able to:		Assessment criteria The learner can:		
5 continued		5.3	Maintain a clean work space when moving, handling or storing resources.	
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.	
		5.5	Explain why the disposal of waste should be carried safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.	
6 Complete the the allocated	time when	6.1	Demonstrate completion of the work within the allocated time.	
moving, handling and/or storing resources.	-	6.2	<ul> <li>State the purpose of the work programme and explain why deadlines should be kept in relation to:</li> <li>progress charts, timetables and estimated times</li> <li>organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>	
7 Comply with t occupational i information to handle <b>and/o</b>	resource o move, r store :he required	7.1	<ul> <li>Demonstrate the following work skills when moving, handling and/or storing occupational resources:</li> <li>moving, positioning, storing, securing and/or using lifting aids and kinetic lifting techniques.</li> </ul>	
resources to t guidance.		7.2	<ul> <li>Move, handle and/or store occupational resources to meet product information and organisational requirements relating to three of the following:</li> <li>sheet material</li> <li>loose material</li> <li>bagged or wrapped material</li> <li>fragile material</li> <li>tools and equipment</li> <li>components</li> <li>liquids.</li> </ul>	
		7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them when moving, handling <b>and/or</b> storing occupational resources.	
		7.4	Describe the needs of other occupations when moving, handling <b>and/or</b> storing resources.	

Title:	Moving, handling and storing resources in the workplace			
Additional inform	Additional information about this unit			
Assessment Guida	ance	This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. Workplace evidence of skills cannot be simulated.		
Sector Subject Are	eas	05.2 Building and Construction		
Availability for use	e	Shared unit		
Unit guided learning hours		17		

Erecting precast concrete flooring

Slinging



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