



Australian Government

Department of Education, Employment and Workplace Relations

LMFID5003A Evaluate site for interior design brief

Revision Number: 1

LMFID5003A Evaluate site for interior design brief

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit specifies the skills and knowledge required to evaluate materials and construction methods used on a site in order to determine their impact on the interior design brief.
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Application of the Unit

Application of the unit	This unit supports the attainment of skills and knowledge required to identify the features and implications associated with common structural techniques used for walls, ceilings and floors and the materials used. It also covers a simple assessment of main services to determine suitability for design requirements. This unit requires employability skills in initiative and enterprise, planning and organising and problem solving in order to evaluate a site systematically and determine implications for design. Communication skills are used to access and interpret information. Self management and learning skills are applied to gain additional information to support evaluation findings.
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for site evaluation	1.1. Applicable OHS, legislative and organisational requirements relevant to conducting site visits are verified and complied with 1.2. Scope of brief is reviewed and any available drawings accessed 1.3. Parameters for the project are assessed and confirmed 1.4. Site visit is arranged with client 1.5. Tools used to assist in site evaluation are prepared
2. Assess structural aspects of interior space	2.1. Wall construction and features are identified and suitability to design requirements are determined 2.2. Flooring construction and features are identified and suitability to design requirements are determined 2.3. Roof construction and features are identified and suitability to design requirements are determined 2.4. Other structures and their features are analysed to determine requirements to meet design brief 2.5. Changes required for structural aspects to meet design brief are identified and implications examined 2.6. Measurements are undertaken and recorded to inform budget calculations and design documentation 2.7. Costs associated with making structural changes are estimated
3. Assess materials used in interior space	3.1. Materials used in interior walls are identified and their features, applications and limitations assessed 3.2. Materials used in flooring are identified and their features, applications and limitations assessed 3.3. Finishes and other materials used are assessed and implications for design brief are identified 3.4. Properties of the materials used in structures are analysed and evaluated
4. Assess services	4.1. Plumbing, water and drainage features that may impact on design brief are identified and assessed 4.2. Features of electrical service are assessed to determine suitability for design requirements 4.3. Other services are assessed to determine suitability for design requirements
5. Conduct additional research to support	5.1. Specialist professionals are consulted to verify or further determine outcomes relevant to design

ELEMENT	PERFORMANCE CRITERIA
site evaluation	requirements 5.2. Building information, plans, drawings and materials data is accessed to gain additional information relevant to the project 5.3. New technologies are researched to determine relevance to project 5.4. <i>Longevity and restorability</i> quality of structures and materials are researched 5.5. <i>Environmental considerations</i> for project are identified and further information accessed to ensure currency of knowledge

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- measurement
- observation
- researching
- ability to resource information
- accessing and applying the Building Code of Australia
- ability to resource information appropriate to interior construction
- documentation skills/report writing
- mathematical skills for estimating quantities
- ability to establish drawing requirements
- ability to document construction details in a range of scales
- notation of materials, techniques and finishes
- apply safety procedures

Required knowledge

- State or Territory OHS legislation, regulations, standards and codes of practice relevant to the full range of processes for evaluating a site
- organisational and site standards, requirements, policies and procedures for evaluating a site
- the role of Australian Standards and the Building Code of Australia
- elements and principles of design
- characteristics of materials, products and defects
- procedures for documenting workplace records and information
- appropriate mathematical procedures for estimation and measurement
- environmental protection requirements
- established communication channels and protocols
- problem identification and resolution techniques
- basic building and architectural terminology
- common structural and non-structural components of a residential building
- materials and methods involved in interior refurbishment
- local regulations/ councils etc
- construction techniques/ technologies
- statutory planning regulations affecting interior design
- sub-contractors roles

Evidence Guide

EVIDENCE GUIDE

The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

- Effectively assess structural and non structural elements of a site to determine implications for interior design
- Identify the features and implications of construction techniques identified in the range of variables
- Comply with legislation, regulations, standards, codes of practice and established safe practices and procedures for assessing a site
- Communicate effectively and work safely with others in the work area

Context of and specific resources for assessment

- The application of competency is to be assessed in the workplace or realistically simulated workplace
- Assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints
- Assessment of essential underpinning knowledge, other than confirmatory questions, will usually be conducted in an off-site context
- Assessment is to comply with relevant regulatory or Australian Standards requirements
- The following resources should be made available:
 - workplace location or simulated workplace
 - materials and equipment relevant to assessing viability of structures for domestic properties
 - specifications and work instructions

Method of assessment

- Assessment must satisfy the endorsed assessment guidelines of the Furnishing Industry Training Package
- Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of underpinning knowledge
- Assessment methods must be by direct observation of tasks and include questioning on underpinning knowledge to ensure its correct interpretation and application

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	• Assessment may be applied under project related conditions (real or simulated) and require evidence of process • Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances • Assessment may be in conjunction with assessment of other units of competency
Guidance information for assessment	

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

OHS requirements	are to be in accordance with Commonwealth, State or Territory legislation and regulations, organisational safety policies and procedures. Requirements may include but not be limited to the use of personal protective equipment and clothing, fire fighting equipment, first aid equipment, hazard and risk control and elimination of hazardous materials and substances, manual handling including lifting and carrying
Legislative requirements	are to be in accordance with applicable legislation from all levels of government that affect organisational operation. Requirements may include but not be limited to award and enterprise agreements, industrial relations, Australian Standards, confidentiality and privacy, OHS, the environment, equal opportunity, anti-discrimination, relevant industry codes of practice, duty of care and heritage
Organisational requirements	may include but not be limited to legal, organisational and site guidelines, policies and procedures relating to own role and responsibility, quality assurance, procedural manuals, quality and continuous improvement processes and standards, OHS, emergency and evacuation, ethical standards, recording and reporting, access and equity principles and practices, equipment use, maintenance and storage, environmental management (waste disposal, recycling and re-use guidelines)
Scope of brief	may include but not be limited to the aims, objectives, milestones for the project, the point of reference for everyone, elements and principles of design, organisational or personal profiles, target audience, budget,

RANGE STATEMENT	
	timeline, consultation requirements, colour requirements, image requirements and function
Client	may include but not be limited to suppliers, manufacturers, private clients, colleagues, retailers or the public
Parameters	may include but not be limited to scope of brief, approval to make changes (legislative and planning), effect or feel trying to be achieved, functionality (short and long term), budget restrictions and established timelines
Tools	may include but not be limited to measuring devices, cameras, colour charts and note taking equipment
Wall construction	may include but not be limited to solid masonry, stud frame, load bearing, non-load bearing and bracing
Flooring construction	may include but not be limited to concrete slab, timber, steel and under floor access
Roof construction	may include but not be limited to rafter and truss construction, sheeted, suspended and underside of floor of level above
Other structures	may include but not be limited to beams, lintels and columns
Materials used in interior walls	may include but not be limited to timber (softwood, hardwood), concrete block, brick, concrete, aerated concrete, plasterboard, fibrous cement products, manufactured timber products, metals, acrylic sheeting and laminate sheeting
Materials used in flooring	may include but not be limited to concrete, timber, manufactured timber products, hard floor finishes (types including ceramic tiles and floating floor systems) and soft floor coverings
Other materials	may include but not be limited to building products of all types used for the manufacture of beams, columns, windows, doors, railings and finishing trims, manufactured from solid timber (native and imported), manufactured timber products, plastic, metal, alloys, stones, glass, fibreglass, foam, cardboard, paper products or any other manipulable substance

RANGE STATEMENT	
Properties	may include but not be limited to principles of structural systems, terminology, modification capability, compression, tension, shear, bending, twisting, wind forces, durability, level of fire retardancy, fibre make up, composition, material use, finishes, quality, environmental sustainability, ergonomics, flammability, maintenance requirements, wear and tear and construction methods
Features of electrical service	may include but not be limited to approximate age of electrical distribution board, number of circuits, safety switches, circuit breakers, signs of rewiring, position and number of power outlets, position and number of lights, data and communications cabling
Other services	may include but not be limited to gas, data, communications, air extraction and conditioning
Specialist professionals	may include but not be limited to engineers, plumbers, electricians, communications consultants, licensed builders and architects
Longevity and restorability	may include but not be limited to an analysis of how long the material is expected to maintain its structure and colour, while maintaining quality of aesthetic value and how readily the material can be repaired or replaced
Environmental considerations	may include but not be limited to design sustainability, how the use of raw materials effects the ecology and environment and how its continued use will effect the area it has been sourced from, energy consumption in achieving the material, green house gases created, waste levels, resource utilisation and transport effects. Similarly what impact will be felt by reducing or stopping material from the source

Unit Sector(s)

Unit sector	Interior decoration and design.
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Competency field

Competency field	
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Co-requisite units

Co-requisite units		