

Industrial Graphics Skills 2024

v1.1

A2: Project sample assessment instrument

This sample has been compiled by the QCAA to assist and support teachers in planning and developing assessment instruments for individual school settings.

Schools develop internal assessments for each Applied subject, based on the learning and assessment described in the syllabus.

Student name

Student number

Teacher

Issued

Due date

Overall result:

Result					Comment
A	B	C	D	E	

Conditions

Technique	Project
Unit	Unit A – Residential building drafting
Response requirements	Residential building drawings: • Drawings: residential building drawings drafted using the skills and procedures in 5–7 production processes. Drafting process: • Multimodal (at least two modes delivered at the same time): up to 5 minutes, 8 A4 pages, or equivalent digital media.
Individual/group	Individual
Other	• Students can develop their responses in class time and their own time. • Schools should implement authentication strategies that reflect QCAA guidelines.
Resources	Drafting equipment as required to complete the assessment.

Context

In the residential building drafting industry, drafting sketches, working drawings and 3D representations enable the construction of domestic residential houses, extensions and renovations. Drafters interpret client briefs, technical information and design concepts produced by others such as builders, engineers and architects to draft residential building drawings to an industry standard. Drafters ensure the quality of drawings are based on client expectations and communicate details to professional, trade and consumer audiences.

Task

Draft a set of residential building drawings for a verandah extension and document the drafting process.

This task requires students to:

- draft a set of residential building drawings for a renovation or extension to an existing residence by
 - demonstrating drafting skills and procedures used in 5–7 production processes
 - interpreting a client brief and technical information
 - selecting industry practices, and production skills and procedures
 - adapting drafting plans, production skills and procedures during drafting to meet the requirements in the client brief and technical information
- document the drafting process by
 - interpreting client briefs and technical information for the drafting of residential building drawings
 - deciding on the industry practices, and production skills and procedures required to draft the drawings
 - determining the sequence in which the drafting processes will be implemented
 - annotating sketches, photographs and/or video footage to capture decision-making
 - reflecting on the quality of the completed drawings, industry practices, and production skills and procedures used to draft the drawings.

It is recommended that this task is designed so that students can develop a response in approximately 20 hours of class time.

Stimulus

A client brief and technical information provided by your teacher.

The client brief must include the:

- client profile description, e.g. role, demographics, expectations
- purpose of the renovation or extension and audience for the drawings
- required drawings, e.g. the subset of the industry standard building drawings required.

The technical information must include the:

- required industry drawing standards
- 2D and 3D drawings of the existing residence
- sketch and description of the proposed renovation or extension to the residence, e.g. verandah, pergola, carport.

Checkpoints

- ☐ Term 4 Week 4: Discuss the progression of the drawings with the teacher. Submit a draft during the allocated assessment time, which explores the skills and procedures used in 5–7 production processes.

Authentication strategies

- Your teacher will provide class time for task completion.
- You will each produce a unique response with your teacher monitoring how you draft and document your response.
- You will provide documentation of your progress at indicated checkpoints.
- You must acknowledge all sources.

Instrument-specific standards (A2): Project — Residential building drafting

Demonstrate	Interpret	Select	Sequence	Evaluate	Adapt	Grade
The student response has the following characteristics:						
proficient demonstration of residential building drafting industry practices, and skills and procedures when drafting a renovation or extension to an existing residence	insightful and justified interpretation of residential building client briefs and technical information when drafting a renovation or extension to an existing residence	discerning selection of residential building drafting industry practices, and skills and procedures when drafting a renovation or extension to an existing residence	strategic sequencing of production processes when drafting a renovation or extension to an existing residence	insightful and justified evaluation of production skills, procedures and residential building drawings	insightful and justified adaptation of drafting plans, skills and procedures when drafting a renovation or extension to an existing residence	A
efficient demonstration of residential building drafting industry practices, and skills and procedures when drafting a renovation or extension to an existing residence	detailed and supported interpretation of residential building client briefs and technical information when drafting a renovation or extension to an existing residence	thorough selection of residential building drafting industry practices, and skills and procedures when drafting a renovation or extension to an existing residence	considered sequencing of production processes when drafting a renovation or extension to an existing residence	detailed and supported evaluation of production skills, procedures and residential building drawings	detailed and supported adaptation of drafting plans, skills and procedures when drafting a renovation or extension to an existing residence	B
demonstration of residential building drafting industry practices, and skills and procedures when drafting a renovation or extension to an existing residence	interpretation of residential building client briefs and technical information when drafting a renovation or extension to an existing residence	selection of residential building drafting industry practices, and skills and procedures when drafting a renovation or extension to an existing residence	sequencing of production processes when drafting a renovation or extension to an existing residence	evaluation of production skills, procedures and residential building drawings	adaptation of drafting plans, skills and procedures when drafting a renovation or extension to an existing residence	C

Demonstrate	Interpret	Select	Sequence	Evaluate	Adapt	Grade
rudimentary demonstration of residential building drafting industry practices, and skills and procedures when drafting a renovation or extension to an existing residence.	narrow and unsupported interpretation of residential building client briefs and technical information when drafting a renovation or extension to an existing residence.	inconsistent selection of residential building drafting industry practices, and skills and procedures when drafting a renovation or extension to an existing residence.	inconsistent sequencing of production processes when drafting a renovation or extension to an existing residence.	narrow and unsupported evaluation of production skills, procedures and residential building drawings.	narrow and unsupported adaptation of drafting plans, skills and procedures when drafting a renovation or extension to an existing residence.	D
The student response does not match any of the descriptors above.	The student response does not match any of the descriptors above.	The student response does not match any of the descriptors above.	The student response does not match any of the descriptors above.	The student response does not match any of the descriptors above.	The student response does not match any of the descriptors above.	E



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