

## JD01 Evaluate requirements for joinery detailing

<b>Kaupae   Level</b>	5
<b>Whiwhinga   Credit</b>	15
<b>Whāinga   Purpose</b>	<p>This skill standard recognises the skills required to evaluate plans, specifications, and client requirements in preparation for the development of joinery manufacturing drawings.</p> <p>This skill standard may contribute to the New Zealand Diploma in Joinery Detailing (Level 5) [Ref: xxxx].</p>

### Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
1. Evaluate requirements to recommend improvements for joinery detailing manufacturing drawings.	a. Plans, specifications, and site measurements are evaluated to identify areas for further analysis.
	b. Plans and specifications are evaluated to identify issues and efficiencies for workplace processes, ordering, manufacturing, and installation.
	c. Recommendations for improvements to plans, specifications, construction methods, material, joinery components, equipment, and compliance requirements are identified from the evaluation research findings.
	d. Recommended improvements to plans, specifications, and client requirements are documented in line with workplace requirements.

### Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

#### Assessment specifications:

Evidence for this standard must reflect professional competence.

Professional competence refers to the ability to work independently in order to meet the ethical and professional expectations of industry and clients on dynamic and varied projects operating in a commercial environment.

Professional competence must be confirmed by a person with current expertise in joinery detailing.

Joinery components refer to physical hardware, sheet goods, timber, metals, glass, or appliances.

Workplace requirements refer to the documented procedures specific to a workplace which set out the standard and the required practices of that workplace. This may include job specifications, processes, procedures, practices, manufacturer recommendations, technical data sheets and material safety data sheets.

**Ngā momo whiwhinga | Grades available**

Achieved.

**Ihirangi waitohu | Indicative content****Evaluation**

- Information deficiencies for site measure or installation, access, suitability of joinery components. Identification of deficiencies, potential barriers for joinery detailing, such as miscalculations, product or material specifications and availability, joinery component compatibility, construction, or manufacturing issues, and how to overcome these.
- Evaluation of manufacturing processes relevant to joinery detailing work, ordering, manufacturing, and installation.

**Research**

- Properties of construction materials, construction methods, joinery components, equipment, compliance requirements, technical specifications, manufacturers requirements, company requirements, client requirements, modular systems, brand requirements.
- Using research findings to recommend improvements to plans and specifications.

**Documentation**

- Documenting recommended improvements to plans, specifications, and client requirements.
- Procedures for documentation development, record keeping, company procedures, presenting technical evidence. Lodging request for information (RFIs) and documenting changes.

**Rauemi | Resources**

- Programme Guidance available from [www.waihangaararau.nz](http://www.waihangaararau.nz).

**Pārongo Whakaū Kounga | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa   Standard Setting Body</b>	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai   DASS classification</b>	Manufacturing > Joinery > Core Skills
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga   CMR</b>	0073

<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
<b>Rēhitatanga   Registration</b>	1	dd mm 2024	N/A
<b>Rā arotake   Planned review date</b>	dd mm 2029		

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## JD02 Provide joinery detailing solutions for joinery work

<b>Kaupae   Level</b>	5
<b>Whiwhinga   Credit</b>	15
<b>Whāinga   Purpose</b>	<p>This skill standard recognises the skills required to provide detailing solutions for improvements to plans and specifications for joinery work.</p> <p>This skill standard may contribute to the New Zealand Diploma in Joinery Detailing (Level 5) [Ref: xxxx].</p>

### Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
1. Provide detailing solutions for improvements to plans and specifications for joinery work.	a. Recommended design solutions and areas for improvement from the evaluation of plans including technical evidence are presented to stakeholders.
	b. Outcomes from the presentation to stakeholders are agreed to and recorded in line with workplace requirements.
	c. Requirements for approval and sign off for design improvements are completed in line with workplace requirements.
	d. Joinery detailing solutions are tracked and applied to joinery manufacturing drawings.

### Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

#### Assessment specifications:

Evidence for this standard must reflect professional competence.

Professional competence refers to the ability to work independently in order to meet the ethical and professional expectations of industry and clients on dynamic and varied projects operating in a commercial environment.

Professional competence must be confirmed by a person with current expertise in joinery detailing.

Workplace requirements refer to the documented procedures specific to a workplace which set out the standard and the required practices of that workplace. This may include job specifications, processes, procedures, practices, manufacturer recommendations, technical data sheets and material safety data sheets.

#### Ngā momo whiwhinga | Grades available

Achieved.

**Ihirangi waitohu | Indicative content****Presentation to stakeholders**

- Preparing and presenting detailing solutions for clients, and the manufacturing team, site drawings, cutting list, shop drawings, material and component list for on-site assembly, producer statement, and other relevant documentation.
- Structure and construction considerations and ways to accommodate these.
- Material selection, fixings, joinery components, assembly.
- Cost, timing, material wastage, manufacturing costs, spacing and dimensions and how to accommodate these.

**Joinery detailing outcomes and solutions**

- Standard and non-standard solutions, variations.
- Evidence provided to support detailing solutions for design ambiguity.
- Workplace procedures for presenting detailing solutions for joinery work.

**Workplace requirements**

- Detailing solutions illustrated clearly, tracked, recorded, documented, and provided to stakeholders.
- Sign off or approval procedures including communicating solutions, emails, spreadsheets, samples.

**Rauemi | Resources**

- Programme Guidance available from [www.waihangaararau.nz](http://www.waihangaararau.nz).

**Pārongo Whakaū Kounga | Quality assurance information**

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**JD03****Analyse technical information to develop joinery detailing manufacturing documentation**

<b>Kaupae   Level</b>	5
<b>Whiwhinga   Credit</b>	10
<b>Whāinga   Purpose</b>	<p>This skill standard recognises the skills required to analyse construction methods, joinery processes, technical data, materials, and hardware specifications, to develop joinery detailing manufacturing documentation.</p> <p>This skill standard may contribute to the New Zealand Diploma in Joinery Detailing (Level 5) [Ref: xxxx].</p>

**Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria**

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Analyse technical information for the development of joinery detailing manufacturing documentation.	a. The chemical and physical nature of construction methods, materials, and hardware are analysed.
	b. Technical data for materials, specifications, equipment, and hardware are analysed.
	c. Research findings from the evaluation of design drawings are analysed in preparation for drawing floor plans, elevations, and specifications.
2. Apply technical information to develop joinery manufacturing documentation.	a. Information from the analysis of technical data and evaluations are applied to the development of joinery detailing manufacturing documentation.
	b. Information from the analysis of technical data is used for the development of cutting lists.
	c. Technical information is applied to develop joinery detailing manufacturing documentation and to meet manufacturing and machine capabilities, assembly, and site installation requirements.

**Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria***Assessment specifications:*

Evidence for this standard must reflect professional competence.

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Professional competence must be confirmed by a person with current expertise in joinery detailing.

### **Ngā momo whiwiringa | Grades available**

Achieved.

### **Ihirangi waitohu | Indicative content**

#### **Technical Information**

- Physics relating to materials and structures, construction methods, material strength, deflection, and expansion, performance under compression and tension or when subject to friction, wear, loads, load paths, extreme temperatures.
- Materials chemistry, composition, form, treatments, malleability, flammability, and volatility of materials, compatibility of different materials due to their chemical composition, use, susceptibility to deterioration over time, effects on the environment and people.

#### **Analysis**

- Analysing technical data from evaluation, drawings, specifications, limitations of materials and hardware, material property specifications against specified requirements, joinery processes, material efficiency, machining, assembly, and installation requirements.
- Capabilities of machinery, materials cut, time efficient to assemble, fitting equipment within the joinery.

#### **Joinery manufacturing documentation**

- Information for the manufacturing team, documentation, manufacturing plans, floor plans, elevations, details, specifications, cutting lists.

#### **Rauemi | Resources**

- Programme Guidance available from [www.waihangaararau.nz](http://www.waihangaararau.nz).

#### **Pārongo Whakaū Kouna | Quality assurance information**

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**JD04****Apply legislative and regulatory frameworks to the development of joinery manufacturing drawings**

<b>Kaupae   Level</b>	5
<b>Whiwhinga   Credit</b>	10
<b>Whāinga   Purpose</b>	<p>This skill standard recognises the skills required to apply legislative and regulatory frameworks to the development of joinery detailing documentation and manufacturing drawings.</p> <p>This skill standard may contribute to the New Zealand Diploma in Joinery Detailing (Level 5) [Ref: xxxx].</p>

**Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria**

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Apply legislative and regulatory frameworks to the development of joinery detailing documentation and manufacturing drawings.	a. Relevant legislation and New Zealand standards are selected, interpreted, and applied to ensure joinery manufacturing drawing compliance.
	b. Local council requirements and by-laws are interpreted and applied to ensure joinery manufacturing drawing compliance.
	c. Documentation for joinery detailing is analysed for compliance with legislative and regulatory frameworks.

**Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria***Assessment specifications:*

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Professional competence must be confirmed by a person with current expertise in joinery detailing.

Workplace requirements refer to the documented procedures specific to a workplace which set out the standard and the required practices of that workplace. This may include job specifications, processes, procedures, practices, manufacturer recommendations, technical data sheets and material safety data sheets.

**Ngā momo whiwhinga | Grades available**

Achieved.

**Ihirangi waitohu | Indicative content**



- Location, interpretation, and application of current industry legislation, regulatory frameworks, and NZ standards, the client protection legislative framework Construction Contracts Act 2002, Resource Management Act 1991, health, and safety legislative framework.
- Local council requirements and by-laws.
- Analysis of documentation to verify compliance with legislative requirements when undertaking detailing work.

#### Rauemi | Resources

- Programme Guidance available from [www.waihangaararau.nz](http://www.waihangaararau.nz).

#### Pārongo Whakaū Kounga | Quality assurance information

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## JD05 Produce calculations for joinery manufacturing drawings

<b>Kaupae   Level</b>	5
<b>Whiwhinga   Credit</b>	10
<b>Whāinga   Purpose</b>	<p>This skill standard recognises the skills required to produce calculations to develop cutting lists and joinery manufacturing drawings.</p> <p>This skill standard may contribute to the New Zealand Diploma in Joinery Detailing (Level 5) [Ref: xxxx].</p>

### Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Produce calculations to develop cutting lists and joinery manufacturing drawings.	a. Calculations for joinery manufacturing drawings include use of technology, geometric and mathematical principles.
	b. Calculations for joinery manufacturing drawings include accurate application of site measurement details.
	c. Calculations for tolerances, spacings and positioning of joinery components ensure layout accuracy of joinery detailing work.
	d. Calculations include accurate quantities of materials and appropriate allowances for cutting lists.
	e. Calculations and documentation are accurate and meet the requirements for the manufacture and assembly of joinery work in line with legislative frameworks, workplace requirements, and proprietary design software requirements.

### Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

#### Assessment specifications:

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Professional competence must be confirmed by a person with current expertise in joinery detailing.

Joinery components refer to physical hardware, sheet goods, timber, metals, glass, or appliances.

Workplace requirements refer to the documented procedures specific to a workplace which set out the standard and the required practices of that workplace. This may include job specifications, processes, procedures, practices, manufacturer recommendations, technical data sheets and material safety data sheets.

### **Ngā momo whiwhinga | Grades available**

Achieved.

### **Ihirangi waitohu | Indicative content**

#### **Calculations for joinery detailing work**

- Mathematical principles, length, area, volume, weight, time, percentages, ratio, forces, loadings, tension, compression, frequencies of vibration.
- Application of a range of technology to perform calculations including the use of scientific calculators.
- Application of geometric principles 2D geometric, 3D geometric, angles, triangle theorem.

#### **Site measurements**

- Accurate site measurement information and application to joinery detailing work.
- Calculating and collating prepared site measurements,
- Using technology to accurately apply measurements to joinery work.

#### **Joinery work layout**

- Calculation of spacings and positioning of joinery components.
- Ensuring layout accuracy of joinery detailing work.

#### **Cutting lists and documentation**

- Material quantities and making the appropriate allowances. Recording and documenting calculations.

#### **Rauemi | Resources**

- Programme Guidance available from [www.waihangaararau.nz](http://www.waihangaararau.nz).

#### **Pārongo Whakaū Kounga | Quality assurance information**

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## JD06 Use computer aided design software to produce joinery manufacturing drawings

<b>Kaupae   Level</b>	5
<b>Whiwhinga   Credit</b>	30
<b>Whāinga   Purpose</b>	<p>This skill standard recognises the skills required to use computer aided design software to produce joinery manufacturing drawings.</p> <p>This skill standard may contribute to the New Zealand Diploma in Joinery Detailing (Level 5) [Ref: xxxx].</p>

### Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Apply technical information to enter data into computer aided design (CAD) software for manufacturing drawings.	a. Information collected from evaluations, research findings, and technical information analysis is applied to CAD software programming.
	b. Pre-set detailing and estimating functions are selected and used to enter programme technical information into CAD software.
	c. Software library of materials, measurements, and construction theory and methods, are utilised during data entry into CAD software.
	d. Technical data input meets the requirements of the CAD software.
2. Produce documentation for joinery manufacturing drawings using computer aided design software.	a. Material quantities and cutting list meet requirements for consistency and economies in manufacturing machinery and processes.
	b. Floor plans, elevations, manufacturing drawings and documentation meet design, manufacturing, and workplace requirements.
	c. Manufacturing drawings and documentation use key conventions, terminology, drawing types, scales, symbols, dimensions, and abbreviations.
	d. Manufacturing drawings and documentation for joinery manufacturing are accurate and meet relevant stakeholder requirements.

### Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

*Assessment specifications:*

Evidence for this standard must reflect professional competence.

Professional competence refers to the ability to work independently in order to meet the ethical and professional expectations of industry and clients on dynamic and varied projects operating in a commercial environment.

Professional competence must be confirmed by a person with current expertise in joinery detailing.

Stakeholders can include architect, designer, client, production team, builder, installer, joiner, joinery machine operators, sub-contractors, other joinery detailers.

Workplace requirements refer to the documented procedures specific to a workplace which set out the standard and the required practices of that workplace. This may include job specifications, processes, procedures, practices, manufacturer recommendations, technical data sheets and material safety data sheets.

**Ngā momo whiwhinga | Grades available**

Achieved.

**Ihirangi waitohu | Indicative content****Technical information and data**

- Evaluation information, research findings, technical information, and their application to CAD.
- The parameters of data input to satisfy the requirements of the CAD software.
- The requirements and processes used to locate and pre-set detailing and estimating functions used in computer aided design software.
- The features of, and ways to interpret the graphical interface of proprietary design software.
- Structure of the CAD software, how the parts work together, including database of materials, construction theory and methods, graphical interface of the proprietary design software, modelling 3D measurements, trigonometry, spatial geometry, quantities calculations.

**Computer aided design documentation**

- The types, purpose and features of documentation provided as an output of the proprietary design software, including key conventions, terminology, drawing types, scales, symbols, dimensions, abbreviations.
- Material quantities, lengths, widths, thicknesses, additional notes for the efficient, consistent product, and economic manufacture of joinery work.
- Economy of design including minimising material and manufacturing costs and material wastage and consideration of estimator budget requirements.
- Production of detailed plans and manufacturing documentation, accurate drawings and cutting lists, material specifications, installation requirements for installers, detailing solutions illustrated correctly, preparation using the proprietary design software and providing detailed plans and documentation to relevant parties.

**Rauemi | Resources**

- Programme Guidance available from [www.waihangaararau.nz](http://www.waihangaararau.nz).

**Pārongo Whakaū Kounga | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa   Standard Setting Body</b>	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
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**JD07                      Maintain a software library for joinery detailing**

<b>Kaupae   Level</b>	5
<b>Whiwhinga   Credit</b>	10
<b>Whāinga   Purpose</b>	<p>This skill standard recognises the skills required to maintain a software library for joinery detailing file management, capturing innovations, reducing re-work, and for continuous improvement.</p> <p>This skill standard may contribute to the New Zealand Diploma in Joinery Detailing (Level 5) [Ref: xxxx].</p>

**Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria**



Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
1. Update content of CAD software library for joinery detailing manufacturing drawings.	a. Library software components and settings are updated to include relevant information from manufacturing drawings, specifications, and estimating functions.
	b. Library software content is updated with new information, changes in construction methods, and innovations captured from joinery manufacturing drawings.
	c. Library software content is updated to include new versions of the software, technology upgrades, and older methods are archived for reference.
	d. Prototypes of innovations are discussed, trialed, and stakeholder feedback is recorded, before adding to library software content.
2. Apply file management procedures to CAD software library content.	a. File management and sharing procedures are followed and meet intellectual property and workplace requirements.
	b. Software library is backed up and all new programming information is saved to meet stakeholder requirements.
3. Maintain quality assurance of CAD software library.	a. Processes and procedures for quality assuring design solutions use the software library content to measure against design practicality and economy.
	b. Library software quality assurance processes are used to formalise and document continuous improvement.

### Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

#### Assessment specifications:

Evidence for this standard must reflect professional competence.

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Professional competence must be confirmed by a person with current expertise in joinery detailing.

Workplace requirements refer to the documented procedures specific to a workplace which set out the standard and the required practices of that workplace. This may include job specifications, processes, procedures, practices, manufacturer recommendations, technical data sheets and material safety data sheets.

#### Ngā momo whiwhinga | Grades available

Achieved.

### Ihirangi waitohu | Indicative content

#### Content of DAC software library

- Library components/parameters/specifications and settings for the joinery work project suit job conditions, plans, and panel heights.
- Parameters of data input that satisfy the requirements of the proprietary design software, pre-set detailing and estimating functions, production, and delivery requirements.
- Ways to keep up to date with innovations, changes in construction methods and hardware, supplier new products, changes in design keep up to date with client requests and expectations.
- Capturing innovations for discussion, and prototyping, innovations specific to the workplace, passing information to relevant personnel seeking feedback from relevant stakeholders, including manufacturing and installation.

#### File management

- The responsibilities of a detailer to manage workplace file management procedures using proprietary design software technology, intellectual property, transferring files to computers in the factory, saving, back up files, provide detailer's plans and documentation to relevant parties.
- File management and sharing procedures, transferring files to the factory for manufacture of joinery, balance between providing information and meeting timelines.

#### Quality Assurance of CAD software library

- Incorporating new technologies and products into software library that keep up to date with client requests and expectations.
- Formalising continuous improvement and implementing changes consistently between detailers.

#### Rauemi | Resources

- Programme Guidance available from [www.waihangaararau.nz](http://www.waihangaararau.nz).

#### Pārongo Whakaū Kounga | Quality assurance information

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**JD08****Communicate with stakeholders for joinery detailing**

<b>Kaupae   Level</b>	5
<b>Whiwhinga   Credit</b>	10
<b>Whāinga   Purpose</b>	<p>This skill standard recognises the skills required to communicate with relevant stakeholders, production managers and technical leads for joinery detailing.</p> <p>This skill standard may contribute to the New Zealand Diploma in Joinery Detailing (Level 5) [Ref: xxxx].</p>

**Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria**

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Communicate with stakeholders for joinery detailing.	a. Communication strategies reflect the audience for a joinery detailing project.
	b. Communication channels are relevant for the audience for a joinery detailing project.
	c. Communication methods are relevant for the audience for a joinery detailing project.
	a. The manufacturing drawings, schedules, and documentation that meet the requirements of the joinery work are communicated to stakeholders.
	b. Manufacturing processes and procedures that meet the requirements of the joinery work are communicated to stakeholders.
	c. Communications with stakeholders are documented and recorded in line with workplace requirements.

**Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria***Assessment specifications:*

Evidence for this standard must reflect professional competence.

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Professional competence must be confirmed by a person with current expertise in joinery detailing.

Joinery detailing stakeholders could include architect, designer, client, production team, builder, installer, joiner, joinery machine operators, sub-contractors, other joinery detailers, depending on the skill standard they apply to.

Workplace requirements refer to the documented procedures specific to a workplace which set out the standard and the required practices of that workplace. This may include job specifications, processes, procedures, practices, manufacturer recommendations, technical data sheets and material safety data sheets.

### **Ngā momo whiwhinga | Grades available**

Achieved.

### **Ihirangi waitohu | Indicative content**

#### **Communications with stakeholders**

- Maintaining working relationships with stakeholders using communication strategies and how they impact on joinery detailing operations work, clarity, concise, action verbs, avoid irrelevant wording, responding, taking action, culture and language, audience pain points, tone, responding to non-verbal clues.
- Communication channels, face-to-face conversations, videoconferencing, audio conferencing, emails, written letters and memos, chats and messaging, formal written documents, spreadsheets.
- Communication methods, verbal communication, non-verbal communication, written communication, listening, visual communication, negotiation, key messages.
- Communicating processes and procedures, lead times, issues for manufacturing, special requirements, skill sets and capabilities required for the job, and addressing stakeholder feedback.
- Communicating project plans, schedules, and budget for joinery detailing work.
- Recording and documenting communications with stakeholders.

#### **Rauemi | Resources**

- Programme Guidance available from [www.waihangaararau.nz](http://www.waihangaararau.nz).

#### **Pārongo Whakaū Kounga | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa   Standard Setting Body</b>	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai   DASS classification</b>	Manufacturing > Joinery > Core Skills
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga   CMR</b>	0073

<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
<b>Rēhitatanga   Registration</b>	1	dd mm 2024	N/A

<b>Rā arotake  </b> Planned review date	dd mm 2029
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Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) to suggest changes to the content of this skill standard.

**JD09****Maintain professional standards and currency for joinery detailing**

<b>Kaupae   Level</b>	5
<b>Whiwhinga   Credit</b>	10
<b>Whāinga   Purpose</b>	<p>This skill standard recognises the skills required to maintain professional standards and currency for joinery detailing.</p> <p>This skill standard may contribute to the New Zealand Diploma in Joinery Detailing (Level 5) [Ref: xxxx].</p>

**Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria**

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Maintain professional standards and currency for joinery detailing.	a. Contacts with stakeholders to discuss and reach conclusions about joinery detailing requirements are regular and timely.
	b. Role and responsibilities for planning and coordinating joinery detailing project work are maintained.
	c. Coordination of joinery detailing work to fit with an agreed production programme is maintained.
	d. Contributions toward improvement initiatives that improve performance are shared with stakeholders.
	e. Professional behaviour is maintained during joinery detailing work.
2. Maintain currency as a joinery detailing professional.	a. Self-management of ongoing learning and development, innovations, compliance requirements, and quality assurance for joinery detailing solutions is maintained.
	b. Currency is maintained through the application of regular updates for software and technology upgrades.

**Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria***Assessment specifications:*

Evidence for this standard must reflect professional competence.

Professional competence refers to the ability to work independently in order to meet the ethical and professional expectations of industry and clients on dynamic and varied projects operating in a commercial environment.

Professional competence must be confirmed by a person with current expertise in joinery detailing.

Joinery detailing stakeholders could include architect, designer, client, production team, builder, installer, joiner, joinery machine operators, sub-contractors, other joinery detailers.

Professional behaviour refers to working constructively with clients and suppliers. Being consistently reliable, responsible, accountable, and acting with integrity is also part of demonstrating professional behaviour. Showing respect and consideration for people, property and the environment while supporting others where required.

### **Ngā momo whiwiringa | Grades available**

Achieved.

### **Ihirangi waitohu | Indicative content**

#### **Professional standards**

- Working effectively with stakeholders, regular contact to discuss and reach conclusions about work requirements.
- Role and responsibilities for planning and coordinating work, record keeping, coordinating own work to fit with an agreed production programme for joinery detailing work.
- Coordinating joinery detailing work to fit with an agreed production programme.
- Sharing improvements and better methods for performance with stakeholders.

#### **Maintaining currency**

- Professional development for joinery detailers.
- Ways to maintain personal currency with new proprietary design software updates and technology upgrades.

#### **Rauemi | Resources**

- Programme Guidance available from [www.waihangaararau.nz](http://www.waihangaararau.nz).

#### **Pārongo Whakaū Kouna | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa   Standard Setting Body</b>	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
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<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
<b>Rēhitatanga   Registration</b>	1	dd mm 2024	N/A



<b>Rā arotake  </b> Planned review date	dd mm 2029
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