

Purpose

This document refers to BLD-17.3- POL.

H = Fully confident M = Average L = Very little/none. TL denotes Team leader

Building competencies by position

Residential and commercial developments										
	Inspection competencies	TL - res	Insp. officer	COA officer	Building incident officer	Swim. pool officer	Process officer	TL - com	Insp. officer	Process. officer
Inspection procedure for residential buildings	Apply knowledge of building to complete routine inspections for buildings to be used as residential dwellings and their associated outbuildings and ancillary buildings.	H	H	H	H	H	L	H	H	L
	Determine the compliance on site of a new building with the approved plans, relevant legislation and standards during its construction.	H	H	H	H	H	L	H	H	L
	Record observations and conclusions.	H	H	H	H	H	L	H	H	L
Complete routine inspections for drainlaying consents for domestic buildings	Understanding how to carry out drainlaying inspections for residential buildings.	H	H	H	H	L	L	H	H	L
	Apply knowledge of drainlaying to conduct routine inspections.	H	H	H	H	L	L	H	H	L
Complete routine inspections for plumbing consents for domestic buildings	Understanding how to carry out plumbing inspections for residential buildings	H	H	H	H	L	L	H	H	L
	Apply knowledge of plumbing to complete routine inspections.	H	H	H	H	L	L	H	H	L

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	Inspection competencies	TL - res	Insp. officer	COA officer	Building incident officer	Swim. pool officer	Process officer	TL - com	Insp. officer	Process. officer
Complete routine inspections for water supply system consents for domestic buildings	Understanding how to carry out water supply inspections for residential buildings.	H	H	H	H	L	L	H	H	L
	Apply knowledge of water supply systems to complete routine inspections.	H	H	H	H	L	L	H	H	L
Inspection Procedures for, Commercial, Industrial and Multi-Residential Buildings	Apply knowledge of building to complete routine inspections for industrial, commercial, and multi-residential buildings.	M	M	M	M	L	L	H	H	L
	Determine the compliance on site of a new building with the approved plan, relevant legislation and standards during its construction.	M	M	M	M	L	L	H	H	L
	Record observations and conclusions.	M	M	M	M	L	L	H	H	L
Complete routine inspections for drainlaying consents for commercial and industrial buildings	Understanding how to carry out drainlaying inspections for industrial, commercial, and multi-residential buildings.	M	M	M	M	L	L	H	H	L
	Apply knowledge of drainlaying to conduct routine inspections.	M	M	M	M	L	L	H	H	L
Complete routine inspections for plumbing consents for commercial and industrial buildings	Understanding how to carry out plumbing inspections for industrial, commercial, and multi-residential buildings	M	M	M	M	L	L	H	H	L
	Apply knowledge of plumbing to complete routine inspections.	M	M	M	M	L	L	H	H	L
Complete routine inspections for water supply system consents for domestic buildings	Understanding how to carry out water supply inspections for industrial, commercial, and multi-residential buildings.	M	M	M	M	L	L	H	H	L
	Apply knowledge of water supply systems to complete routine inspections.	M	M	M	M	L	L	H	H	L

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Building competencies by position

Residential and commercial developments										
	Inspection competencies	TL - res	Insp. officer	COA officer	Building incident officer	Swim. pool officer	Process officer	TL - com	Insp. officer	Process. officer
Building codes and standards for residential buildings	Analyse the purpose and basic intent of the Building Act, regulations, NZBC and Approved Documents.	H	H	H	H	M	H	H	H	H
	Locate and interpret code/standard requirements that are applicable to detached residential buildings, associated ancillary buildings and farm buildings	H	H	H	H	M	H	H	H	H
	Apply solutions to construction problems for compliance with the NZBC and Approved Documents.	H	H	H	H	M	H	H	H	H
Plumbing codes and standards for residential buildings	Assess plumbing design documentation for residential buildings submitted for plumbing consent.	H	M	H	M	L	H	H	H	H
	Read, interpret and apply requirements from relevant NZBC Approved Documents and relevant NZ Australian Standards.	H	M	H	M	L	H	H	H	H
	Evaluate designs for plumbing, water systems and drainlaying.	H	M	H	M	L	H	H	H	H



	Inspection competencies	TL - res	Insp. officer	COA officer	Building incident officer	Swim. pool officer	Process officer	TL - com	Insp. officer	Process. officer
Assessment of alternative solutions for residential buildings	Assess an alternative solution for compliance with the performance requirements of the NZBC.	H	H	H	M	M	H	H	H	H
	Identify the relevant performance requirements.	H	H	H	M	M	H	H	H	H
	Make requests for relevant (and sufficient) information to enable the design to be considered and clearly document their decision.	H	H	H	M	M	H	H	H	H
	Evaluate performance based designs.	H	H	H	M	L	H	H	H	H
	Apply the performance-based New Zealand Building Code (NZBC)	H	H	H	M	M	H	H	H	H
Building codes and standards for small commercial and industrial buildings	Understanding how to assess design documentation for small commercial and industrial buildings submitted for building consent.	H	M	M	M	L	M	H	H	H
	Locate and interpret code/standard requirements that are applicable to small commercial and industrial type buildings.	H	M	M	M	L	M	H	H	H
	Apply solutions to construction problems for compliance with the NZBC and approved documents	H	M	M	M	L	M	H	H	H
Plumbing codes and standards for small commercial and industrial buildings	Assess plumbing design documentation for small commercial and industrial buildings submitted for plumbing consent.	H	M	M	M	L	M	H	H	H
	Evaluate designs for plumbing, water systems and drainlaying.	H	M	M	M	L	M	H	H	H
Building codes and standards for commercial, industrial and multi-residential buildings	Assess design documentation for commercial, industrial and multi-residential buildings submitted for building consent.	M	L	L	L	L	L	H	H	H
	Interpret code/standard requirements that are applicable to commercial, industrial and multi-residential buildings.	M	L	L	L	L	L	H	H	H
	Apply solutions to construction problems for compliance with the NZBC and approved documents.	M	L	L	L	L	L	H	H	H



	Inspection competencies	TL - res	Insp. officer	COA officer	Building incident officer	Swim. pool officer	Process officer	TL - com	Insp. officer	Process. officer
Plumbing codes and standards for com., industrial and multi-res. buildings	Evaluate designs for plumbing, water systems and drainlaying.	M	L	L	L	L	L	H	H	H
Services for commercial, industrial and multi-residential buildings	Understanding how to assess services design documentation for commercial, industrial and multi-residential buildings submitted for consent.	M	L	L	L	L	L	H	M	H
	Read, interpret and apply requirements from relevant NZBC Approved Documents and relevant NZ and Australian Standards.	M	L	L	L	L	L	H	M	H
	Know the basic principles behind services design.	M	L	L	L	L	L	H	M	H
	Identify natural lighting for varying situations and evaluate suitable lighting fixtures for a range of operations.	M	L	L	L	L	L	H	M	H
	Determine the requirements for emergency electrical service installations.	M	L	L	L	L	L	H	M	H
	Evaluate commonly used methods for, mechanical ventilation and air-conditioning and methods of air filtration and its layout	M	L	L	L	L	L	H	M	H
	Evaluate methods for vertical transportation and layout.	M	L	L	L	L	L	H	M	H
	Evaluate layouts of water supply for general and fire fighting use.	M	L	L	L	L	L	H	M	H
	Evaluate fire fighting services.	M	L	L	L	L	L	H	M	H
Evaluate fire detection systems for buildings.	M	L	L	L	L	L	H	M	H	

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Assessment of alternative solutions for commercial, industrial and multi-residential buildings	Understanding how to assess an alternative solution for compliance with the requirements of the NZBC.	M	L	L	L	L	L	H	M	H
	The specific areas covered in this element cover fire safety designs such as, acceptance criteria for tenability limits, fire, size and growth rate, etc.	M	L	L	L	L	L	H	M	H
	Identify the relevant performance requirements.	M	L	L	L	L	L	H	M	H
	Make requests for relevant (and sufficient) information to be considered and clearly document their decision.	M	L	L	L	L	L	H	M	H
	Evaluate fire safety engineering.	M	L	L	L	L	L	H	M	H
Fire Technology for commercial, industrial and multi-residential buildings	Understand how active fire suppression and smoke control systems work.	M	L	L	L	L	L	H	M	H
	Know some of the basic parameters surround the installation of these systems.	M	L	L	L	L	L	H	M	H
	Determine the requirements for sprinklers and drenchers in buildings.	M	L	L	L	L	L	H	M	H
	Evaluate smoke control in buildings.	M	L	L	L	L	L	H	M	H
	Integrated active fire protection systems with passive fire protection are evaluated.	M	L	L	L	L	L	H	M	H