

Building Consent Application

rec	chnica	Il Assessment and Peer Rev	/iew – Comm	nercial
Applicant				BC no
Site	address			
Desc	ription/u	se		Date
Key	✓	Compliance with Building Code / Dis Plan and/or WDC requirements	strict	Not applicable
	*	Non-compliance with Building Code District Plan and/or WDC requirement		Not applicable
Entir	e check	list to be completed and marked acco	dingly	
		to be marked in red pen on photocopy ompetency assessment file	of original asses	sment sheet to be placed on
Tec	hnical	Assessment - General		
			Reasons for dec	cisions
	NZFS r	eview		
	• Do	es this building work require NZFS		
	rev	iew as required under section 46		
	NZ	BA?		
	• Ha	s the advice of the NZFS under section		
	47	of NZBA been considered by the BCA?		
	Classif	ied use of building		
	Project	description & intended use		
	• Ne	w Building		
		eration to existing		
		ange of use (Section 5-6, Change the		
П		se Regulations 2005)		
_	• Ne	w use more onerous than old?		

Earthquake prone buildings Year of first construction of building pre-1976? Seismic evaluation report

Sec 112 (Alteration to existing buildings – B.A.

Sec 115 (Change of use – B.A 2004) applies?

2004) applies?



Waivers and Modifications	
Waivers and Modifications requested and identified	
Waivers and Modifications accepted by BCA?	
☐ Yes (If yes, DBH notified – see BCA procedure)	
☐ No (If no, revised design and memo requested)	
Waivers and Modifications reviewed Tech. Leader Name Tech. Leader Signature Date	
Section 113 Specified intended life Intended life years If applies, is it recorded on conditions page?	
Section 72 (Natural Hazards) notice required?	
☐ Yes (If yes, is it recorded on conditions page)	
□ No	
(Note: decision must be countersigned by technical leader)	
Section 72 decision reviewed	
Tech. Leader	
Name	
Tech. Leader Signature	
Date	
Sec 75 (Building on two or more allotments) notice required?	
☐ Yes (If yes, is it recorded on conditions page?)☐ No	
(Note: decision must be countersigned by technical leader)	
Section 75 decision reviewed	
Tech. Leader	
Name	
Tech. Leader Signature	
Date	



	Land Use Consent (Resource Consent) conditions	
	Onsent Notice(s) contained in PIM/PA All Consent Notice conditions have been assessed by either BCO or PPAT officer (Refer PIM/PA checksheet - see WDC BCA Practice Note 11/001) All Consent Notice(s) contained in PIM/PA BCO or PPAT officer (Refer PIM/PA checksheet - see WDC BCA Practice Note 11/001)	
	 Site Requirements Driveway access – (existing / new) Authorisation supplied from Roading Dept. (road opening, alteration to footpath / road reserve, etc.) Supporting ground (Good Ground / Other) Geotechnical reports Cut and filled ground (PS4 provided / requested) Corrosion zone – Zone C / Zone D (Seaspray) Wind Zone – L – M – H – VH – EH – SED Existing private drainage Utility service connection points (Stormwater / Sewer) 	
Tec	hnical Assessment – Structure: B1, B2	
	 Foundations Engineer Design (PS1/PS2 supplied) Engineer detail shown on plans PS3 / PS4 required (add condition) Footing size for loaded dimensions Durability 	



Floors - Concrete • Engineer Design (PS1/PS2 supplied) • Engineer detail shown on plans • PS3 / PS4 required (add condition) • Slab systems detailed on plans • Slab thickenings / pads to support point / roof loads • Shrinkage / Control joints • Reinforcing (size, type, placement) • Durability	
 Floors - Timber Floor loadings (1.5 kPa, 2.0 kPa, Other) Subfloor Bearers, joists, size & spans Flooring material specified Deck joists size, spacing & span Sub floor ventilation (must cross vent) Subfloor fixings Subfloor bracing calculations and plan Durability (Timber grade & treatment) 	
Retaining Walls • Engineer Design (PS1/ PS2 supplied) • Foundation detail / retaining wall details • Durability • Safety from falling – barriers (NZBC: F4)	



	External and internal walls
	• Engineer Design (PS1/ PS2 supplied)
	Engineer detail shown on plans
	Construction systems detailed
	Wall framing (studs / dwangs / sizes / centres)
	for height / load / wind zone
	Steel Portal (PS3 / PS4 required - add condition)
	Precast panel (PS3 / PS4 required - add
	condition)
	Bracing systems detailed / calculations supplied
	• Lintel sizes & specifications (NZS3604 / other)
	Uplift fixings (lintel / stud to top plate / bottom
	plate)
	Durability (external bracing / other)
	Roof Structure
	• Engineer Design (PS1/ PS2 supplied)
	Engineer detail shown on plans
	Construction systems detailed including all
	beams and posts
	Roof framing (rafter / purlin size, spacing & span)
	Truss manufacturer's design certificate, layout &
	fixings
	Roof bracing detailed
	Ceiling diaphragms detailed
	Durability
	Uplift fixings (Rafter / Truss to top plate, purlin,
	beam)



Technical Assessment – Fire Safety / Safety of Users: C1 – C4, F6, F7, F8



Technical Assessment – Access: D1, D2, F8, F4, G5

	Access
	Means of compliance identified – D1/AS1, NZS4121, Alt. Solution Access Route Accessible Route required / provided Accessible signage (International Access Symbol) Slip resistance Carparking – Size, Gradient, Proximity to building entrance, signage Lifts - NZS4332, PS1 provided Escalators - PS1 provided Accessible accommodation (hotel, motel, etc.) Sub floor access Certailing access
	Ceiling accessCompliance Schedule items noted
	Ramps and Stairs
0	 Ramps – width, gradient, kerb upstand, landings Stairs Stair nosings – profile, slip resistance, visibility (contrasting colour) Landing size / position Handrails – height and profile
	 Doors - upstands / thresholds (≤20mm), Clear opening widths (≥760mm) Accessible door visibility - Glazing to double swing doors - Contrasting door colour Door handle type, height from floor
	Accessible Counters • Appropriate for use – size, space, height, legroom



	Listening Systems	
	Audio loops	
	FM radio systems	
	Signage	
	Compliance Schedule items noted	
Tec	hnical Assessment – Moisture: E1, E2,	E3
	Surface Water	
	Driveway / Hardstand drainage	
	Floor heights – above finished ground / road /	
	datum	
ш	Calculations for gutter and downpipe sizing	
	Calculations for sump sizing and hardstand	
	disposal	
	Tanking	
	Retaining walls and under floor waterproofing,	
П	protection, drainage, damp proof membrane	
.	Tanking PS3 / Inspection requested (section 90)	
	Durability	
	Wall Claddings	
	E2 risk matrix assessment	
	Cladding compliance path – E2/AS1, E2/VM1, BRANZ appraisal, other?	
	Cladding systems (detailed, correct installation)	
	Cavity system details (batten size, treatment, cavity drain/closure, int./ext. corners)	
	Building wrap / Rigid air barriers (EH wind zone)	
	Risk factors vs. cladding system, detailing	
	adequate, junctions and connections, special installation requirements	
	Windows & doors flashings (head, jamb & sill flashing details)	
	Flashing and junction details	
	Parapets (caps, walls, intersections, etc.)	
	Meter boxes	
	Penetrations	
	Fixing points	
	Cladding PS3 / Inspection requested (section 90)	
	Downpipe spreaders	
	Durability (claddings, fixings, flashings)	
	Maintenance requirements	
	Cladding PS3 / Inspection requested (sec. 90)	



	Decks		
	Connection to building details		
	-		
	Saddle flashings		
	Deck to floor level separation		
	Membrane deck (product, substrate, fall,		
	drainage, overflows, barrier fixings)		
	Membrane PS3 / Inspection requested (sec. 90)		
	Safety from falling barriers (F4)		
	, ,		
	Roof Claddings		
	Roofing material / profile / pitch		
	Membrane roofing substrate thickness and		
	framing centres (B1)		
	Roofing PS3 / Inspection requested (sec. 90)		
	External gutters (capacity, downpipe spreaders)		
	Internal gutters (material, falls, outlets, avortleves conseits)		
	overflows, capacity)		
	Flashing systems detailed (stop ends,		
	penetrations, eaves flashings, apron flashings)		
	Internal Moisture		
	• Waterproofing (showers, floors, wet areas)		
	Membrane PS3 / Inspection requested (sec. 90)		
	Service rooms sealed		
	• Ventilation (G4)		
	Thermal resistance		
Technical Assessment – Safety of Users: F1, F2, F3, F4, F5			
160	-	1,12,13,17,13	
	F1:Hazardous agents on siteHazardous agents identified - Council records		
	Hazards mitigated as required		
	Consultants reports (ERMA)		
	Consultants reports (<i>ENMA</i>)		
	F2: Hazardous building materials		
	Hazardous materials identified		
	Compliance with performance requirements of		
	F2 - Safety glazing, balustrades etc.		



0	F3: Hazardous substances and processes Identified and addressed Existing asbestos HSNO Act Certificate(s) – design, construction, storage Other hazardous materials (refer applicant to ERMA)	
	F4: Safety from FallingOpening windowsBarriers	
	F5: Construction and demolition hazards Identified for public safety Advisory note required Suitable hoardings and barriers detailed Certificate of Public Use application	
Tec	chnical Assessment – Services and Facilit	ties: G1, G2, G3, G15
	Facilities Toilet, Bathroom, Laundry, Kitchen (numbers and locations) Privacy, cubicles & lobbies	
	 Accessible sanitary fixtures Accessible toilet room space / size, grab rails, toilet paper holder Accessible shower room space / size, grab rails, hinged seat, reachable controls, shower curtain Accessible Washbasin underside clearance, mirror height, tap type Accessible toilet / shower doors opening / orientation Accessible facility signage (F8) 	
	Solid Waste Containers / storage capacity Carry distance Solid waste storage areas	

· Solid waste chutes



Technical Assessment - Interior Environment and Ventilation: G4, G5, G6, G7, G8

	G4: Ventilation	
	Ventilation – Natural, Mechanical or Alternative	
	solution	
	Cooking moisture / odours	
	Carpark ventilation	
	Compliance Schedule items noted	
	G5: Interior Environment	
	***Check limits on application in the functional	
_	and performance requirements of the NZBC***	
	Heating requirements	
	Room sizes and space	
	·	
	G6: Airborne and impact sound	
	***Check functional requirements with limits on	
	application within the NZBC***	
	Performance requirements met: Sound	
	protection – 55 STC Impact sound protection –	
	55 IIC	
	Means of compliance: PS1, Acceptable Solution	
	G7 and G8 Natural and artificial lighting	
	***Check limits on application in the functional	
	and performance requirements of the NZBC***	
	Light & visual awareness	
	External awareness for habitable spaces	
	Iluminance	
Tec	hnical Assessment – Energy Works: G9), G10, G11
	Electricity energy works certificate requested	
	(Section 90)	
	Gas energy works certificate requested	

(Section 90)

Location Certificate



Technical Assessment – Plumbing and Drainage: G12, G13, G14, E1

Plumbing System	
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·	
Compliance Schedule items noted	
Foul Water Drainage Systems	
Means of disposal identified (off site or onsite)	
and detailed	
PS1/PS2 design required	
Means of compliance: G13 or AS/NZS 3500 or	
Alt solution	
Trade waste by-laws requirements	
Surface water	
Stormwater attenuation required?	
 Means of disposal identified (off site or onsite) and detailed 	
Calculations for sump sizing and hard standing	
disposal	
On-site Effluent Disposal	
On site waste water assessment completed	
Emuent disposal design & calculations, site plan Reserve area	
Existing system – extra loading	
Notes	
Disposal fields must not be located within:	
stormwater open drain or roadside drain) or	
unconfined aquifer into which any contaminant may enter as a result of the discharge	
	 Means of compliance: G12 or AS/NZS 3500 or Alt solution Water supply to building Water supply (community care) Non-potable supply Protection of potable supply (swimming pools, dual water sources) Testing requirements Materials specified Water heating system Tempering to personal hygiene fixtures Compliance Schedule items noted Foul Water Drainage Systems Means of disposal identified (off site or onsite) and detailed PS1/PS2 design required Means of compliance: G13 or AS/NZS 3500 or Alt solution Sewer layout - Plan / schematic layout provided, pipe sizes, gradients, venting Trade waste by-laws requirements Surface water Stormwater attenuation required? Attenuation design details supplied PS1 design for disposal system Means of disposal identified (off site or onsite) and detailed Calculations for sump sizing and hard standing disposal On-site Effluent Disposal On site waste water assessment completed NRC Resource Consent Effluent disposal design & calculations, site plan & reserve area Existing system - extra loading Notes Disposal fields must not be located within: 20m of any surface water body (including any stormwater open drain or roadside drain) or 20m of any bore drawing groundwater from an unconfined aquifer into which any contaminant



	 Industrial Liquid Waste Treatment and disposal Security Conveyance of liquid wastes Storage tanks 	
Tec	hnical Assessment – Energy Efficiency	v: H1
	 Insulation Small or large building (±300m2) Method of compliance – Modelling, Schedule, Calculation, H1/VM1, NZS4218, NZS4243, Alternative Solution R-values noted on plans 	
П	Artificial LightingNZS4243.2 – PS1 design	



Technical Assessment - Miscellaneous

Other	
Producer Statements – check sheets	
completed	
Specifications – relevant to job, complete	
Supplementary information / product	
information – current and complete	
Other – phone conversations, meetings,	
research (make notes of discussions, findings)	



Technical Assessment – Compliance Schedule

Compliance Schedule			
Co exi Pe Typ Ma Ma Ins	•		 Compliance Schedule details – new / existing / amended Performance standard Type Make and model (if known) Maintenance



Finalising Application

	Application Suspended?	
	If yes, complete below:	
	Application suspended in TechOne events list	
	Suspension correspondence generated	Note – Refer BCA Practice Note 002/10 (Emailbased suspensions – BC application
	Suspension correspondence catalogued to TRIM	processing) for further information
	Correspondence sent – with copies in the post as necessary	
	5-day reminder set in Outlook	
	Text note completed in TechOne	
	Timesheet completed	
	File assigned to suspension shelf in TRIM	
	Granting Application	
	Is there a 'Resource Consent required' or PIM Re-check required' stamp on the PIM/PA assessment document?	
	Have there been changes to plans that may affect outcome of planning check – eg. change to footprint, location, height, etc?	
	If yes, take file to PPAT team for re-assessment or to notify/owner agent of outstanding issues	
	Assessment outcome recorded and signed on page 15 by B.O. / S.B.O.	
	Section 72/75 decisions countersigned by S.B.O.	
	Schedule of Site Requirements completed (one in each half of the file)	
	BC Conditions / Additional information areas completed	
	All consent documents stamped 'Approved'	
	Superseded information stamped (one copy kept in front half of file)	
	Application events completed in	
u	TechOne	
	Timesheet completed	



Peer reviewer's comments

For reporting purposes:		
A = No issues identified		
B = Minor individual issues identified		
C = Minor systems issues identified		
D = Major individual issues identified		
E = Major systems issues identified		
Name printed	Date	Signature
Team leader's comments		
Name printed	Date	Signature
Building compliance manager's comments		
Name printed	Date	Signature
Post review discussion undertaken by		on (date)
Action identified		
Action identified		
Signature of reviewee		
Name printed		Signature
name printed	Date	Signature



informati	ndertaken the technical assessment of this on as detailed in correspondence to the a rate compliance with the New Zealand Bu	pplicant / agent. All other aspects of th	e application		
	Building assessment officer	Supervisor (if required)	Date		
Name of					
Signature of					
Details of su	upervision undertaken <i>(e.g. code clauses,</i>) if whole application state 'whole'			
because	2 I have undertaken the technical assessment of this application and have granted the application because the plans and specifications supplied have been confirmed by myself and/or the BCA's Contractor to demonstrate compliance with the New Zealand Building Code and/or WDC requirements.				
	Building assessment officer	Supervisor (if required)	Date		
Name of					
Signature of					
Details of su	upervision undertaken (e.g. code clauses,) if whole application state 'whole'			
informati demonst remainde	3 I, and/or the BCA's Contractor has viewed the information supplied in response to the request for further information and I have granted the application, because the plans and specifications supplied demonstrate compliance with the New Zealand Building Code and/or WDC requirements. The remainder of the application has been assessed by the Building Assessment officer named in 1 above, or the Contractor's recommendation sheet.				
	Building assessment officer	Supervisor (if required)	Date		
Name of Signature of					
Details of supervision undertaken (e.g. code clauses) if whole application state 'whole'					
4 I, and/or the BCA's Contractor has viewed the information supplied in the application and have refused the application, because the plans and specifications supplied have been confirmed by myself and/or the BCA's Contractor do not comply with the New Zealand Building Code and/or WDC requirements. Building assessment officer Supervisor (if required) Date					
Name of					
Signature of					



19

Conditions						
			Details			
s67	Building Act 2004					
s72/7 3	Building Act 2004					
s75	Building Act 2004					
s90	Building Act 2004					
s113	Building Act 2004					
۸ ما ما:±:						
Additi	onal information					