

Inspection Checklist – Foundations

Address: _____ Building Consent No.: _____

Tradesperson: _____ Tradesperson: _____

Date: _____ Time: _____ Staged/Partial Inspection: _____ of _____

Item to be inspected for compliance: with the Building Act 2004, NZBC & Approved Documents B1, B2, E1, E2, F5, G4 and NZS 3604:1999 & NZS 3604:2011	Outcome ¹			Details of Inspection & Comments: Comments must be made for: 1. Non-complying Items 2. Items/work deviating from approved documents 3. Detail alternative solution & how compliance is achieved
	Pass	N/A	Fail	
Conditions of consent/site instructions read?				Yes / No
Approved plans & specifications sighted? ²				Yes / No
Approved plans include specific design detail?				Yes / No
Reg No: / LBP license detail and Council notified	Yes / N/a / No			Name and #:
Confirmation of Exposure Zone	Yes / N/a / No			B / C / D Sea spray
Confirmation of Snow loading	Yes / N/a / No			1kPa / 1.5kPa / 2kPa / Specific Design
Confirmation of Wind Zone	Yes / N/a / No			Low / Medium / High / Very High / Extra High / Specific Design (SED)
Siting³				
Special PPE required for this site?				Yes / No
Property address confirmed				
Boundary pegs identified				
Surveyor certificate required for siting ⁴				
Building footprint matches plan ⁵				
Measurements taken building to boundary				
Floor heights				
Foundation height in respect of proposed finished ground levels ⁶ :				
Spot levels & floor heights				
Confirmed on site				
Surveyor's certificate provided				
Sloping site				
Back slope, forward slope ⁷				
Specific design (Type B⁸ Masonry/ in-situ foundation)	Yes / No			
Confirm engr inspection and approval ⁹				
Ground bearing				
Prod check ¹⁰				
Soil characteristics				silty, sandy, stony, clay, soft, firm, hard, wet, damp, dry
Engineer report required				
Foundation to be taken to solid bearing (Reinspection required)				
Organic matter removed ¹¹				
Foundation (NZS 3604)	Yes / No			
As per approved plans				
Dimensions				mm x mm
Footing level, square & clean				
Formwork complete				External & internal
Stepped footing ¹²				
Service penetration in foundation wall ¹³	Yes / No			
Pads				
Set out as per plan – dimensions				
Ground Beams				
Set out as per plan – dimensions				

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Post Footings¹⁴						
Set out as per plan – dimensions				mm x	mm x	mm
Set out as per plan – dimensions				mm x	mm x	mm
Steel/Reinforcing: Specify				deformed steel/round steel, high tensile/mild steel/mesh		
Horizontal bar size				Size:		
Starter bar size & spacing				Size:		
Reinforcing lapped & tied ¹⁵						
Reinforcing clean & supported						
Reinforcing cover correct ¹⁶						
Concrete strength as specified						
Notes¹⁷:						
Amended plans required?		Yes / No		Officer:		
Amended specifications required?		Yes / No				
Reinspection required?		Yes / No		Signed:		
Site instruction issued?		Yes / No				
Foundation inspection passed?		Yes / No		Date:		

¹ Pass = Compliance with approved plans & documentation, N/A = Not applicable to this project, Fail = Non-compliance with approved plans & documentation.

² Approved stamped site plan, foundation plan, cross section drawings, truss layout and fixing detail, specifications, engineer detail, floor plan, drainage plan, effluent disposal site plan and detail

³ Refer to BLG-001p Policy on when to check the siting of proposed buildings during inspections and BLG-002p Policy on when to require surveyor's certificates as a condition of a resource consent

⁴ Boundaries to be defined by surveyor for siting within 200mm of boundary or for structures sited 1m from the boundary – to be confirmed by PBO, Snr BOs

⁵ Any change to the approved plans may affect site coverage and boundary issues. Check with Planning **before** approving any further work

⁶ NZS 3604:1999 Section 7.5.2 & Fig 7.10 / NZS 3604:2011 Section 7.5.2 & Fig 7.11

⁷ Sloping sites > 11°, refer to Tonkin Taylor report

⁸ NZS 4230: 2004 Table 3.1 Type B is the grade envisaged for the typical one- or two-storey structures which represent the bulk of current masonry construction

⁹ Has Engineer visited site and approved foundations as required by consent conditions? Written confirmation is required. E.g. signature on plans/fax etc.

¹⁰ NZS 3604:1999 Section 3.1 / NZS 3604:2011 Section 3.1 Prod check around entire foundation at maximum 2m centers and all corners if soft ground is found, identify area of soft ground, note in comments field

¹¹ NZS 3604:1999 Section 3.5.1 / NZS 3604:2011 Section 3.5.1

¹² NZS 3604:1999 Section 6.11.4 / NZS 3604:2011 Section 6.11.4

¹³ Penetration to provide adequate fall for all discharge waste

¹⁴ NZS 3604:1999 Section 6.4.3.3 / NZS 3604:2011 Section 6.4.3.3 timber and ground contact shall have a minimum H5 treatment

¹⁵ NZS 3604:1999 Section 6.11.7 & 7.5.8 and Figs 7.12, 7.13, 7.14 & 7.15 / NZS 3604:2011 Section 6.11.7 & 7.5.8 and Figs 7.13, 7.14 & 7.16

¹⁶ NZS 3604:1999 Fig. 7.12 / NZS 3604:2011 Fig 7.13

¹⁷ Note any additional information, including safety issues