

Inspection Checklist – Ring and Pile Foundation

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:		
	Pass	N/A	Fail	Comments must be made for: 1. Non-complying Items 2. Items/work deviates from approved documents 3. Detail alternative solution & how compliance achieved		
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			Specify: safety footwear / eye protection / dust mask high visibility jacket / hard hat Other:		
Property address confirmed						
Boundary pegs identified						
Surveyor certificate required for siting						
Building footprint matches plan ⁴						
Measurements taken building to boundary						
Spot levels & floor heights						
Confirmed on site						
Surveyor's certificate provided						
Floor heights						
Foundation height in respect of subfloor access, pile heights, etc. ⁵						
Subfloor ground levels in relation to finished exterior ground levels ⁶						
Sloping site						
Back slope, forward slope ⁷						
Grade B⁸ Masonry (specific design)				Yes / No		
Confirm engr inspection and approval ⁹						
Damp Proof Membrane/tanking in place ¹⁰						
Ground bearing						
Prod check ¹¹						
Soil characteristics				silty, sandy, stony, clay, soft, firm, hard, wet, damp, dry		
Engineer report required						
Foundation to be taken to solid bearing (Reinspection required)						
Foundation (NZS 3604)				Yes / No		
As per approved plans						
Dimensions				mm x	mm	
Footing level, square & clean						
Stepped footing ¹²						
Pads						
Set out as per plan – dimensions				mm x	mm x	mm
Set out as per plan – dimensions				mm x	mm x	mm
Anchor & brace piles						
Set out as per plans						
Anchor pile ¹³ - dimensions				mm x	mm x	mm
Brace pile - dimensions				mm x	mm x	mm

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- 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 Any change to the approved plans may affect site coverage and boundary issues. Check with Planning Officer **before** approving any further work
- ⁵ NZS 3604:1999 Section 6.4.1, 6.11.2, 6.14.4 & NZS 3604:2011 Section 6.4.1, 6.11.2, 6.14.4 Check that minimum pile heights and subfloor access will be satisfied, particle board floor required to be > 550mm above ground level
- ⁶ NZS 3604 Fig. 6.21 Sections 7.5.9 & 3.6 & NZS 3604:2011 Section 7.5.9 & 3.6 Ground levels within subfloor shall be such that water shall not be allowed to accumulate in building subfloor spaces
- ⁷ Sloping sites > 11°, refer to Tonkin Taylor report
- ⁸ NZS 4230: Part 2:1990 C3.3.2 Grade 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 plan/fax etc.
- ¹⁰ NZS 3604:1999 Section 7.5.4, / NZS 3604:2011 Section 7.5.4 / E2 Section 12
- ¹¹ 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
- ¹² NZS 3604:1999 Section 6.11.4 / NZS 3604:2011 Section 6.11.4
- ¹³ NZS 3604:1999 Section 6.4.5 and Table 6.1 / NZS 3604:2011 Section 6.4.5 and Table 6.1
- ¹⁴ Driving of piles inspection NZS 3604 Section 6.6.4.1 / NZS 3604:2011 Section 6.6.4.1
- ¹⁵ 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
- ¹⁶ NZS 3604:1999 Section 6.4.3.3 timber and ground contact shall have a minimum H5 treatment
- ¹⁷ NZS 3604:1999 Section 6.14 / NZS 3604:2011 Section 6.14
- ¹⁸ Maximum 750mm from corners and ends. Spaced at 1.8m centres maximum, 3500mm² per 1m² of floor
- ¹⁹ NZS 3604:1999 Section 6.11.7.3 / NZS 3604:2011 Section 6.11.7.3 openings in foundations walls exceeding 300mm any direction require one D12 trimming bar each side
- ²⁰ 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, 7.15 & 7.16
- ²¹ NZS 3604:1999 Fig. 7.12 / NZS 3604:2011 Fig. 7.13
- ²² Note any additional information, including safety issues