BCA T-30d Ver: 8 Date: 20/06/2013

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	Pass N/A list	Details of Inspection & Comments: 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 Approved plans & specifications sighted: Approved plans include specific design detail? Reg No: / LBP license detail and Council	Vac / N/a / Na	Yes / No Yes / No Yes / No Name and #:				
notified? Confirmation of Exposure Zone Confirmation of Snow loading	Yes / N/a / No Yes / N/a / No Yes / N/a / No	B / C / D (sea spray) 1kPa / 1.5kPa / 2kPa / Specific Design				
Confirmation of Wind Zone Siting ³	Yes / N/a / No	Low / Medium / High / Very High / Extra High / Specific Design (SED)				
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) Confirm engr inspection and approval ⁹ Damp Proof Membrane/tanking in place ¹⁰		Yes / No				
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 Footing level, square & clean		mm x mm				
Stepped footing ¹² Pads Set out as per plan – dimensions		mm x mm x mm				
Set out as per plan – dimensions Anchor & brace piles Set out as per plans		mm x mm x mm				
Anchor pile ¹³ - dimensions Brace pile - dimensions		mm x mm x mm mm x mm x mm				

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Ordinary piles					
Set out as per plans - dimensions			mm x	mm x	mm
Driven piles ¹⁴					
Set out as per plans - dimensions			mm x	mm	
Certificate provided confirming piles driven					
to approved specification					
Post Footings ¹⁵					
Set out as per plan – dimensions			mm x	mm x	mm
Treatment					
Timber treatment in ground ¹⁶					
Subfloor ventilation ¹⁷ :					
Ventilator set out ¹⁸					
Subfloor access ¹⁹					
Steel/Reinforcing: Specify		defor	med steel/round steel	l. high tensile/m	nild steel/mesh
Horizontal bar size		Size:		, <u>J</u>	
Vertical ties		Size:			
Reinforcing lapped & tied ²⁰		U.EU.			
Reinforcing clean & supported					
Reinforcing cover correct ²¹					
Notes ²² :					
			1		
Amended plans required?		/ No	Officer:		
Amended specifications required?	Yes	/ No			
Reinspection required?		/ No	Signed:		
Site instruction issued?		/ No			
			D (
Ring & pile 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

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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. 6.21Sections 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