

Commercial Inspection Checklist – Foundations, Pads & Ground Beams

Address: _____ Building Consent No.: _____

Tradesperson: _____ Tradesperson: _____

Reg.No.: _____ Contact Details: _____ Reg. No.: _____ Contact Details: _____

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, Specific Engineer Design (SED) 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
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 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				
Ground bearing				
Prod check ⁸				
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 ⁹				
Foundation – NZS 3604				Yes / No
As per approved plans				
Dimensions				mm x mm
Footing level, square & clean				
Formwork complete				External / Internal
Grid & line location				
Damp Proof Membrane in place ¹⁰				
Service penetration in foundation wall ¹¹				Yes / No
Tanking Membrane Protection & Drainage				
Tanking type as per plans				
Tanking application as per manufacturer's specifications				
Membrane protected as per plans				
100mm min. subsoil drain provided				
Drain provided with fall & provision for cleaning				
Drain discharging to storm water outlet				

Commercial Inspection Checklist – Foundations, Pads & Ground Beams

Item to be inspected for compliance: with the Building Act 2004, NZBC & Approved Documents B1, B2, E1, E2, F5, G4, Specific Engineer Design (SED) 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	
Geotextile filter fabric laid				
Pads				
Set out as per plan – dimensions				mm x mm x mm
Ground Beams				
Grid Line Number				
Set out as per plan –dimensions				mm x mm
Steel/Reinforcing: Specify				deformed steel/round steel, high tensile/mild steel/mesh
Horizontal bar size				Size:
Vertical bar size				Size:
Stirrup spacing				Size:
Starter bar size & spacing				Size:
Ground Beams				
Grid Line Number				
Set out as per plan –dimensions				mm x mm
Steel/Reinforcing: Specify				deformed steel/round steel, high tensile/mild steel/mesh
Horizontal bar size				Size:
Vertical bar size				Size:
Stirrup spacing				Size:
Starter bar size & spacing				Size:
Ground Beams				
Grid Line Number				
Set out as per plan –dimensions				mm x mm
Steel/Reinforcing: Specify				deformed steel/round steel, high tensile/mild steel/mesh
Horizontal bar size				Size:
Vertical bar size				Size:
Stirrup spacing				Size:
Starter bar size & spacing				Size:
Post Footings¹²				
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:
Vertical bar size				Size:
Stirrup spacing				Size:
Starter bar size & spacing				Size:
Reinforcing lapped & tied ¹³				
Reinforcing clean & supported				
Reinforcing cover correct ¹⁴				
Confirm engr inspection and approval ¹⁵				
Is PS4 to be provided?		Yes / No		
Concrete specified on plans				_____ MpA
Notes¹⁶:				

Commercial Inspection Checklist – Foundations, Pads & Ground Beams

Item to be inspected for compliance: with the Building Act 2004, NZBC & Approved Documents B1, B2, E1, E2, F5, G4, Specific Engineer Design (SED) 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 deviating from approved documents 3. Detail alternative solution & how compliance is achieved
Amended plans required?	Yes / No			Officer:
Amended specifications required?	Yes / No			
Reinspection required?	Yes / No			Signed:
Site instruction issued?	Yes / No			
Foundations, pads, ground beams 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 Officer **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 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

⁹ NZS 3604:1999 Section 3.5.1 & NZS 3604:2011 Section 3.5.1

¹⁰ NZS 3604:1999 Section 7.5.4 & NZS 3604:2011 Section 7.5.4

¹¹ Penetration to provide adequate fall for all discharge waste

¹² 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

¹³ 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 & Figs 7.13, 7.14 & 7.16

¹⁴ NZS 3604:1999 Fig. 7.12 & NZS 3604:2011 Fig 7.13

¹⁵ Has Engineer visited site and approved reinforcing as required by consent conditions? Written confirmation is required. E.g. signature on plans/fax etc.

¹⁶ Note any additional information, including safety issues