

## Inspection Checklist – Foundations

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 and NZS 3604:1999 & NZS 3604:2011	Outcome <sup>1</sup>			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? <sup>2</sup>				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)
Siting <sup>3</sup>				
Special PPE required for this site?	Yes / No			Specify: steelcapped footwear / eye protection / dust mask Other:
Property address confirmed				
Boundary pegs identified				
Surveyor certificate required for siting <sup>4</sup>				
Building footprint matches plan <sup>5</sup>				
Measurements taken building to boundary				
Floor heights				
Foundation height in respect of proposed finished ground levels <sup>6</sup> :				
Spot levels & floor heights				
Confirmed on site				
Surveyor's certificate provided				
Sloping site				
Back slope, forward slope <sup>7</sup>				
Specific design (Type B <sup>8</sup> Masonry/ in-situ foundation)				Yes / No
Confirm engr inspection and approval <sup>9</sup>				
Ground bearing				
Prod check <sup>10</sup>				
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 <sup>11</sup>				
Foundation (NZS 3604)				Yes / No
As per approved plans				
Dimensions				mm x mm
Footing level, square & clean				
Formwork complete				External & internal
Stepped footing <sup>12</sup>				
Service penetration in foundation wall <sup>13</sup>				Yes / No
Pads				
Set out as per plan – dimensions				mm x mm x mm
Ground Beams				
Set out as per plan – dimensions				mm x mm
Post Footings <sup>14</sup>				

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	Pass	N/A	Fail	
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 <sup>15</sup>				
Reinforcing clean & supported				
Reinforcing cover correct <sup>16</sup>				
Concrete strength as specified				
<b>Notes<sup>17</sup>:</b>				
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:

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

<sup>2</sup> 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

<sup>3</sup> 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

<sup>4</sup> 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

<sup>5</sup> Any change to the approved plans may affect site coverage and boundary issues. Check with Planning Officer before approving any further work

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

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

<sup>8</sup> 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

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

<sup>10</sup> 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

<sup>11</sup> NZS 3604:1999 Section 3.5.1 / NZS 3604:2011 Section 3.5.1

<sup>12</sup> NZS 3604:1999 Section 6.11.4 / NZS 3604:2011 Section 6.11.4

<sup>13</sup> Penetration to provide adequate fall for all discharge waste

<sup>14</sup> 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

<sup>15</sup> NZS 3604:1999 Section 6.11.7 & 7.5.8 and Figs 7.12, 7.13, 7.14 & 7.1515 / NZS 3604:2011 Section 6.11.7 & 7.5.8 and Figs 7.13, 7.14 & 7.16

<sup>16</sup> NZS 3604:1999 Fig. 7.12 / NZS 3604:2011 Fig 7.13

<sup>17</sup> Note any additional information, including safety issues