

## Inspection Checklist – Farm Building Foundation

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:<br>with the Building Act 2004,<br>NZBC & Approved Documents B1, B2, E1, E2,<br>F5, G4 | Outcome <sup>1</sup> |     |      | Details of Inspection & Comments:<br>Comments must be made for:<br>1. Non-complying Items<br>2. Items/work deviates from approved documents<br>3. Detail alternative solution & how compliance 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 Corrosion Zone   |                      |     |      | Yes / N/a / No<br>Sea spray / zone 1 / 2  |
| Confirmation of Snow loading   |                      |     |      | Yes / N/a / No<br>0.5kPa / 1kPa / Specific Design   |
| Confirmation of Wind Zone  |                      |     |      | Yes / N/a / No<br>Low / Medium / High / Very High / Specific Design (SED)   |
| <b>Siting<sup>3</sup></b>  |                      |     |      |   |
| Property address confirmed   |                      |     |      |   |
| Boundary pegs identified   |                      |     |      |   |
| Surveyor certificate required for siting   |                      |     |      |   |
| Building footprint matches plan <sup>4</sup>   |                      |     |      |   |
| Measurements taken building to boundary  |                      |     |      |   |
| <b>Spot levels &amp; floor heights</b>   |                      |     |      |   |
| Confirmed on site  |                      |     |      |   |
| Surveyor's certificate provided  |                      |     |      |   |
| <b>Floor heights</b>   |                      |     |      |   |
| Foundation height in respect of subfloor access,<br>pile heights, etc. <sup>5</sup>  |                      |     |      |   |
| Subfloor ground levels in relation to finished<br>exterior ground levels <sup>6</sup>                                      |                      |     |      |   |
| <b>Sloping site</b>  |                      |     |      |   |
| Back slope, forward slope <sup>7</sup>   |                      |     |      |   |
| <b>Ground bearing</b>  |                      |     |      |   |
| Prod check <sup>8</sup>  |                      |     |      |   |
| Soil characteristics   |                      |     |      | silty, sandy, stony, clay, soft, hard, wet, dry   |
| Engineer report required   |                      |     |      |   |
| Foundation to be taken to solid bearing (Reinspection<br>required)   |                      |     |      |   |
| <b>Pads</b>  |                      |     |      |   |
| Set out as per plan – dimensions   |                      |     |      | mm x mm x mm  |
| Set out as per plan – dimensions   |                      |     |      | mm x mm x mm  |
| <b>Anchor &amp; brace piles</b>  |                      |     |      |   |
| Set out as per plans   |                      |     |      |   |
| Anchor pile <sup>9</sup> - dimensions  |                      |     |      | mm x mm x mm  |
| Brace pile - dimensions  |                      |     |      | mm x mm x mm  |
| <b>Ordinary piles</b>  |                      |     |      |   |
| Set out as per plans - dimensions  |                      |     |      | mm x mm x mm  |
| <b>Driven piles<sup>10</sup></b>   |                      |     |      |   |
| Set out as per plans - dimensions  |                      |     |      | mm x mm   |
| Certificate provided confirming piles driven to<br>approved specification  |                      |     |      |   |
| <b>Post Footings<sup>11</sup></b>  |                      |     |      |   |
| Set out as per plan – dimensions   |                      |     |      | mm x mm x mm  |
| Set out as per plan – dimensions   |                      |     |      | mm x mm x mm  |
| <b>Treatment</b>   |                      |     |      |   |
| Timber treatment in ground <sup>12</sup>   |                      |     |      |   |
| Timber treatment of cut ends <sup>13</sup>   |                      |     |      |   |

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|--|----------------------|--------|------|---|
|  | Pass                 | N/A    | Fail |   |
| Steel/Reinforcing: Specify   |                      |        |      | deformed steel/round steel, high tensile/mild steel/mesh  |
| Horizontal bar size  |                      |        |      | Size:   |
| Vertical ties  |                      |        |      | Size:   |
| Reinforcing lapped & tied <sup>14</sup>  |                      |        |      |   |
| Reinforcing clean & supported  |                      |        |      |   |
| Reinforcing cover correct <sup>15</sup>  |                      |        |      |   |
| <b>Notes<sup>16</sup>:</b>   |                      |        |      |   |
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|  |                      |        |      |   |
| Amended plans required?  |                      | Yes/No |      | Officer:  |
| Amended specifications required?   |                      | Yes/No |      |   |
| Reinspection required?   |                      | Yes/No |      | Signed:   |
| Site instruction issued?   |                      | Yes/No |      |   |
| Ring & pile 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

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- <sup>4</sup> Any change to the approved plans may affect site coverage and boundary issues. Check with Planning Officer before approving any further work
- <sup>5</sup> NZS 3604:1999 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
- <sup>6</sup> NZS 3604 Fig. 6.21 Sections 7.5.9 & 3.6 Ground levels within subfloor shall be such that water shall not be allowed to accumulate in building subfloor spaces
- <sup>7</sup> Sloping sites > 11°, refer to Tonkin Taylor report
- <sup>8</sup> NZS 3604:1999 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>9</sup> NZS 3604:1999 Section 6.4.5 and Table 6.1
- <sup>10</sup> Driving of piles inspection NZS 3604 Section 6.6.4.1
- <sup>11</sup> NZS 3604:1999 Section 6.4.3.3 timber and ground contact shall have a minimum H5 treatment
- <sup>12</sup> NZS 3604:1999 Section 6.4.3.3 timber and ground contact shall have a minimum H5 treatment
- <sup>13</sup> NZS 3604 Section 6.6
- <sup>14</sup> NZS 3604:1999 Section 6.11.7 & 7.5.8 and Figs 7.12, 7.13, 7.14 & 7.15
- <sup>15</sup> NZS 3604:1999 Fig. 7.12
- <sup>16</sup> Note any additional information, including safety issues