

# Cowsheds / Dairy Sheds

For example - rotary and herringbone construction methods.

<b>Processor Name:</b>	<b>Building Consent No:</b>	<b>Building Category:</b>
------------------------	-----------------------------	---------------------------

**KEYS: Decisions:**  P or  Y or  = Pass  F or  N or  X = Fail, i.e. Item either passes or fails to meet the performance requirements of the NZBC  NA or  I = Not applicable, i.e. The item or code clause has been considered but is not applicable to this application because the item, or the clause, is either not part of this design or relevant to this type of building project.

Refer to [Acceptable Solutions](#) B1 – H1 as appropriate available from the Ministry of Business, Innovation & Employment website.

P/F/NA	Item	P/F/NA	Item
<b>B1 Structure</b> <input type="checkbox"/> Not applicable to this BC		<input type="checkbox"/> Specific design <input type="checkbox"/> NZS 3604	
	Wind Zone: <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very High <input type="checkbox"/> Extra High <input type="checkbox"/> SED		Concrete floor
	Specific design, PS1 and calculations		Framing and joist grade / size / fixings
	Footing / foundations / slab: Special features of land consideration		Wall bracing elements and fixings
			Beam / post / size / connections
	Pad / post / footing reinforcing		Truss design

Reasons for decisions plus any additional comments or RFIs:

Wind zones:

- Wind RFIs required:
- Wind RFIs received:
- General:
- RFIs required:
- RFIs received:

**B2 Durability**  Not applicable to this BC (Refer to B2 [Acceptable Solutions](#))

For acceptable solutions, refer to

- Figure 1 Assessment of durability requirement Paragraph 1.2.2, pg16
- Table 1, pg17 - 22

5 year durability considered	<b>Timber treatment shown for:</b>
15 year durability considered	<ul style="list-style-type: none"> <li>• External wall framing</li> </ul>
50 year durability considered	<ul style="list-style-type: none"> <li>• Exterior timbers</li> </ul>
Specified intended life considered, life = .....years	<ul style="list-style-type: none"> <li>• Piles and in ground contact</li> <li>• Roof framing timber</li> </ul>
Corrosion zone: <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D / E	<ul style="list-style-type: none"> <li>• Wood-based flooring: distance to exposed ground</li> </ul>
Fixings SS if in Corrosion zone	
Serviceable items able to be accessed	<ul style="list-style-type: none"> <li>• Structural steel coatings</li> </ul>
DPC provided to piles if required	
Sub-floor vented and / or ground cover provided	

Reasons for decisions plus any additional comments or RFIs:

- General:
- Additional: Treatments are appropriate:

TIMBER	TREATMENT	TIMBER	TREATMENT
In-ground		Interior wall framing	
Sub-floor		Exterior wall framing	
Floor		Roof framing	

	Trims		Deck piling	
	Cavities		Deck framing	
	Cladding			

- RFIs Required:
- RFIs received:

**C DOCS - Protection from Fire:**  Not applicable to this BC (Refer to C documents [Acceptable Solutions](#))

**State Risk Group:** [tick all that apply]

C/MM1 Solid fuel heaters

C/AS2 Buildings other than Risk Group SH

**Verification Method C/MM1**  Not applicable to this BC as no heater  
 Solid fuel heater processing checklist attached

Reasons for decisions plus any additional comments or RFIs:

- General:
- Additional:
  - Solid fuel heater:
  - Hearth/slab:
  - Chimney flue:
  - Generic materials:
  - Heat transfer / Distances:
- RFIs required:
- RFIs received:

**Acceptable Solutions**

**Part 1 General**  Not applicable to this BC

Reasons for decisions plus any additional comments or RFIs:

- General:
- Additional: Fire protection system:
- RFIs Required:
- RFIs received:

**Part 2 Fire Cells, Fire Safety Systems, and Fire Resistance Ratings**  Not applicable to this BC

Reasons for decisions plus any additional comments or RFIs:

- General:
- Additional: Distance to Boundary: <specify>
- RFIs required:
- RFIs received:

**Part 3 Means Of Escape**  Not applicable to this BC

Reasons for decisions plus any additional comments or RFIs:

- General:
- Additional: Escape path lengths (match protection system):

- RFIs required:
- RFIs received:

**Part 4 Control Of Internal Fire & Smoke Spread**  Not applicable to this BC

Reasons for decisions plus any additional comments or RFIs:

- General:
- RFIs required:
- RFIs received:

**Part 5 Control Of External Fire spread**  Not applicable to this BC

Reasons for decisions plus any additional comments or RFIs:

- General:
- RFIs required:
- RFIs received:

**Part 6 Firefighting**  Not applicable to this BC

Reasons for decisions plus any additional comments or RFIs:

- General:
- RFIs required:
- RFIs received:

**Part 7 Prevention Of Fire Occurring**  Not applicable to this BC

Reasons for decisions plus any additional comments or RFIs:

- General:
- RFIs required:
- RFIs received:

**E1 Surface Water**  Not applicable to this BC (Refer E1 [Acceptable Solutions](#))

	Adequate downpipes		Discharge to approved outfall
	Drain sizes gradients, outfalls		Soakage report that includes soak hole design & calculations where applicable
	Storm-water drainage – roof or hard surfaced areas		

Reasons for decisions plus any additional comments or RFIs:

- General:
- Additional:
  - FFLs:
  - Gutters:
  - Downpipes:
  - Discharge pipe:
  - Pipe gradients:
  - Protection from flooding:

- Soak pit / other:
- Retaining wall drainage:
- RFIs required:
- RFIs received:

**E2 External Moisture**  Not applicable to this BC (only needs addressing if internally lined)  
 (Refer E2 [Acceptable Solutions](#))

	Risk matrix assessment provided		
--	---------------------------------	--	--

**Roof Cladding**

	Roof type, profile and pitch comply		Details & flashings for hips, ridges, valleys, aprons & barges
	Product name for roofing underlay provided		
	Stop end details		Exterior sheathing detailed to acceptable solution
	Roof penetrations		Durability ( <i>differing materials are compatible, coatings applicable for corrosion zone</i> )
	Internal metal gutter capacity & overflow		

Reasons for decisions plus any additional comments or RFIs:

- General:
- Additional:
  - Cladding type:
  - Pitch:
  - Underlay:
- RFIs Required:
- RFIs received:

**Membrane Roofs / Gutters**  Not applicable to this BC

	Membrane type and pitch		Gutter capacity & overflow
	Substrate thickness & treatment		

Reasons for decisions plus any additional comments or RFIs:

- General:
- RFIs required:
- RFIs received:

**Footing / Foundations**  Not applicable to this BC

	Block work waterproofed		
--	-------------------------	--	--

Reasons for decisions plus any additional comments or RFIs:

- General:
- RFIs required:
- RFIs received:

**Cladding**  Not applicable to this BC

	Type of cladding / claddings approved system		Brick veneer step down provided
			Alternative solution properly detailed
	Building wrap specified appropriate &		Drain filter fabric and DPC protection behind walls

	compatible with cladding ( <i>air barrier</i> )		Eaves and gutters weatherproofing detailed
	Construction details for the drained cavity system		Wall / soffit junctions
			Brick ties, lintels & shelf angle size and treatment
	Flashing details provided for window & door openings		Timber profiles have appropriate weather grooves
			Construction details between different claddings
	Internal and external corner details are provided		Joinery details and flashings shown for: <ul style="list-style-type: none"> <li>• Window / door heads</li> <li>• Jambs</li> <li>• Sill details for windows, doors</li> <li>• Balustrades waterproofed</li> <li>• Other openings penetrations protected</li> </ul>
	Have parapets / enclosed deck barrier junctions / flashings been detailed?		
	Construction / movement / shrinkage joints been detailed relevant to cladding		
	Battens shown ( <i>H3.1</i> )		

Reasons for decisions plus any additional comments or RFIs:

- General:
- Additional:
  - Building wrap:
  - Sill tape:
  - Flashings:
- RFIs required:
- RFIs received:

**F1 Hazardous Agents on Site**  Not applicable to this BC (Refer F1 [Acceptable Solutions](#))

	Contamination etc. checked on GIS		Sent to Health
--	-----------------------------------	--	----------------

Reasons for decisions plus any additional comments or RFIs:

- General:
- RFIs required:
- RFIs received:

**F2 Hazardous Building Materials**  Not applicable to this BC (Refer F2 [Acceptable Solutions](#))

	Glass type OK ( <i>safety glass</i> )		Other ( <i>e.g. asbestos</i> )
--	---------------------------------------	--	--------------------------------

Reasons for decisions plus any additional comments or RFIs:

- General:
- RFIs required:
- RFIs received:

**F3 Hazardous Substances and Processes**  Not applicable to this BC (Refer F3 [Acceptable Solutions](#))

(Note: Unlikely, but send to DG if found)

Reasons for decisions plus any additional comments or RFIs:

- General:
- RFIs required:
- RFIs received:

**F4 Safety from Falling**  Not applicable to this BC (Refer F4 [Acceptable Solutions](#))

**Stairs, Landings, Platforms, Handrails**  Not applicable to this BC

	1m barriers to all decks, stairs, openings etc.		Walls (>1m in height)
--	---	--	-----------------------

	Child risk openings <100 mm, no toeholds		Upper storey windows restrictors required where sill height <760 mm
	Retaining on access routes protected		
Reasons for decisions plus any additional comments or RFIs: <ul style="list-style-type: none"> <li>• General:</li> <li>• Additional:             <ul style="list-style-type: none"> <li>○ Windows:</li> <li>○ Handrails:</li> </ul> </li> <li>• RFIs required:</li> <li>• RFIs received:</li> </ul>			

<b>F5 Construction and Demolition Hazards</b> <input type="checkbox"/> Not applicable to this BC    (Refer F5 <a href="#">Acceptable Solutions</a> )			
	Hazard identification and management		
Reasons for decisions plus any additional comments or RFIs: <ul style="list-style-type: none"> <li>• General:</li> <li>• RFIs required:</li> <li>• RFIs received:</li> </ul> (NOTE: F5 is always applicable. It may not be our responsibility to manage F5 but there needs to be an indication that it will be managed on site.)			

<b>F8 Signs</b> <input type="checkbox"/> Not applicable to this BC    (Refer F8 <a href="#">Acceptable Solutions</a> )			
	Signs for potable / grey water indicated		
Reasons for decisions plus any additional comments or RFIs: <ul style="list-style-type: none"> <li>• General:</li> <li>• RFIs required:</li> <li>• RFIs received:</li> </ul>			

*Under section 112, Building Act 2004, the following must be considered for any alteration*

<b>G1 Personal Hygiene</b> <input type="checkbox"/> Not applicable to this BC    (Refer G1 <a href="#">Acceptable Solutions</a> )			
	WC provided		Shower / bath / hand wash basin
Reasons for decisions plus any additional comments or RFIs: <ul style="list-style-type: none"> <li>• General:</li> <li>• RFIs required:</li> <li>• RFIs received:</li> </ul>			

<b>G9 Electricity</b> <input type="checkbox"/> Not applicable to this BC    (Refer G9 <a href="#">Acceptable Solutions</a> )			
	Electrical energy certificate – needs to be supplied with CCC application		
Reasons for decisions plus any additional comments or RFIs: <ul style="list-style-type: none"> <li>• General:</li> <li>• Additional:</li> <li>• RFIs required:</li> <li>• RFIs received:</li> </ul>			

<b>G10-G11 Piped Services &amp; Gas Energy</b> <input type="checkbox"/> Not applicable to this BC (Refer <a href="#">G10</a> and <a href="#">G11</a> Acceptable Solutions)			
Gas energy certificate – needs to be supplied with CCC application			
Reasons for decisions plus any additional comments or RFIs: <ul style="list-style-type: none"> <li>• General:</li> <li>• RFIs required:</li> <li>• RFIs received:</li> </ul>			
<b>G12 Water Supplies</b> <input type="checkbox"/> Not applicable to this BC (Refer G12 <a href="#">Acceptable Solutions</a> )			
	Potable water supply		Are pipe sizes & length of run specified & adequate
	Backflow protected – air gap or backflow valve		Water tanks have overflows
	Hot water heating, all relevant valves / venting requirements provided		Any special signage requirements identified on plans ( <i>pumps, non-potable water etc.</i> )
	Wetback installation – attach heater checklist		Hot water system location, seismic restraint
	Solar systems – attach solar installations checklist		
Reasons for decisions plus any additional comments or RFIs: <ul style="list-style-type: none"> <li>• General:</li> <li>• Additional: <ul style="list-style-type: none"> <li>○ Supply:</li> <li>○ Quality:</li> <li>○ HW storage:</li> <li>○ HW tempering:</li> <li>○ HW seismic restraints:</li> <li>○ Supply pipe:</li> <li>○ Pipe work:</li> </ul> </li> <li>• RFIs required:</li> <li>• RFIs received:</li> </ul>			

<b>G13 Foul Water</b> <input type="checkbox"/> Not applicable to this BC (Refer G13 <a href="#">Acceptable Solutions</a> )			
	Discharge to approved outfall		Drainage pipe length / ventilation
	System to G13 / AS1		Drainage pipe size / gradients
	System to AS / NZS 3500		Access / inspection / rodding points or chambers ( <i>entering or exiting under slab</i> )
	Waste pipe size / gradients		
	Waste pipe length / venting ( <i>stacks, multi fixtures to discharge pipe</i> )		Onsite sewage design specification & PS1 for system
	Correct sewer connection and depth to allow gravity feed		Drainage plan: effluent disposal system ( <i>septic tank and / or pond</i> ) in relation to buildings, boundaries, drives, water bores, water courses, & room to duplicate or extend system
	Overflow relief gully ( <i>ORG</i> ) provided		
Reasons for decisions plus any additional comments or RFIs: <ul style="list-style-type: none"> <li>• General:</li> <li>• Additional: <ul style="list-style-type: none"> <li>○ System Capacity:</li> <li>○ Pipe sizes:</li> <li>○ Pipe gradients:</li> </ul> </li> </ul>			

- Bedding and backfill:
- Drains under buildings:
- RFIs required:
- RFIs received:

All other clauses of the Building Code have been considered not applicable to this Building Consent.

<b>Building Act 2004 and Other</b>		(Refer to <a href="#">Building Act 2004</a> )
S26(2) Warning or ban		S71 - 74 Natural hazards
S30A-H NMUA		S75 - 77 Building over 2 lots
S31 PIM		S90 Inspections by BCA
S36 Development Contribution notice		S90D Owner-Builder exemption – FORM2C
S37 Restrict project start (no Resource Consent issued)		S112 Alterations to existing buildings
S39 Heritage New Zealand		S113 Intended life of building
S42: Building work already undertaken (with or without a BC) which may require a COA		S115 Change of use
S43(2) Energy work requiring a BC		S116 Extension of Life
S45 How to apply for a BC, Amendment minor variation		S116A Subdivision of building / part of building
S67 - 70 Waiver or modification		
Project value provided and reasonable		

Reasons for decisions plus any additional comments or RFIs:

- S26(2):
- S30A-H:
- S31:
- S36 - 37:
- S39:
- S42:
- S43(2)
- S45:
- S67-70:
- S71-74:
- S75-77:
- S87A
- S90:
- S90D:
- S112:
- S113:
- S115:
- S116:



- S116A:
- RFIs required:
- RFIs received:

**STATEMENTS RECEIVED**

**Key for statement types:** Electrical Plan (EP) Engineer / Designer (PS1, PS2) Truss Layout (TR) Fire Philosophy (FP) Waterproofing (WP) Other (O) [specify].....

Author's Name (If author providing more than one document, list and assess each document)	Decisions Regarding Document Content						Decision Regarding Author registration					Reason for decision P = content adequate / author approved / other reason recorded below F = content inadequate / author not approved / other recorded below	Outcome of decision P = Accept document F = Reject document
	Statement type / Header	Site Address / Legal description	Insurance	Date	B. Code (parts)	Work identified	Name & signature	<a href="#">CPEng register</a>	<a href="#">NZRAB register</a>	<a href="#">EWRB register</a>	<a href="#">PGD register</a>		

**Other reason(s) for decision(s):** (Use this area for "other" statement types, or for giving reasons for decisions where a statement is not complete or an author is not registered, but you are accepting their statement)

**OUTCOME OF DECISIONS**

- Documentation does NOT demonstrate compliance with the Building Code and Building Act 2004. Building Consent cannot be granted until requests for further information have been addressed by the Applicant. The application is on hold.  
Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_
- Documentation demonstrates compliance with the Building Code and Building Act 2004. If there were any requests for further information, these have been addressed and the reasons for these have been recorded in each instance. Building Consent can now be granted and issued on payment of the appropriate fees and levies.  
Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_
- Documentation does NOT demonstrate compliance with the Building Code and Building Act 2004. Building Consent cannot be granted. Requests for further information have not been addressed by the Applicant.  
Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_