

MAIN BUILDING - R1 DWELLING ADDITION - ALTERATION - Processing - AUDIT	Y/N	User	Date	Notes
BUILDING ACT				
BC Complexity / Competence (Reg 10 & 18 of BCA Regs 2006): Has the correct building complexity and classified use been allocated to this project and is it within the scope of your assessed competence? Do not select X or N/A. If complexity is incorrect please rectify by selecting the correct checklist (under Manage Buildings). If processing of this project is to be undertaken under supervision then ensure that this is recorded in the file notes..	Y	JR	11/03/2021 01:53 pm	Complexity is correctly assigned, I have the requisite level of competence to undertake this task. Roof structure details to single story dwelling is within scope of my competency.
Section 28: Warning and Bans: Can the building consent authority exercise its powers under BA s28 and issue building consent for the building work relating to this building consent? Please do not select N/A for this question.	Y	JR	11/03/2021 01:53 pm	There are no warnings or bans posted on the Ministry's Warnings and Bans register that pertain to methods or building products used in this consent. In terms of section 28, the building consent authority may exercise its powers to issue building consent for the building work relating to this building consent.
Section 36: Development Contribution: Has a Development Contribution Notice been attached to the PIM? Please select N/A if a Development Contribution Notice is not required to be issued.	N/A	JR	11/03/2021 01:54 pm	There is no development contribution required for this project.
Section 37: Resource Consent: Has a Resource Consent Certificate (Form 4) been attached to the PIM and have all conditions that affect issue of this building consent been satisfied? Please select N/A if Resource Consent is not required.	N/A	JR	11/03/2021 01:54 pm	The TA has not advised that a resource consent is required for this project.
Section 45: Consent Documents: Is Form 2 correctly completed and accompanied by the requisite information required by Section 45?	Y	JR	11/03/2021 03:29 pm	Section 45: consent documents: form 2 is completed and accompanied by the information required by sec. 45.
Section 67 - 70: Waiver / Modifications: Is adequate reasoning for request for waiver / modification provided, and have associated legal obligations been satisfied? Please select N/A if Waiver or Modification is not required.	N/A	JR	11/03/2021 03:29 pm	There is no request for waiver or modification associated with this building consent application.
Section 71 - 74: Natural Hazards: Have provisions of Sections 71 - 74 been considered, and can building consent be granted?				
Section 71 - 74: Natural Hazards - Prompt List:	N/A	JR	11/03/2021 03:29 pm	This question does not apply to this application.
1. Natural Hazards: Is the land, on which building work is to occur, free from natural hazards? Please select N/A if the hazard risk is already mitigated and/ or if the title is already endorsed to reflect the presence of hazard/s.				
2. Deterioration: Is the building work unlikely to accelerate, worsen, or result in a natural hazard on the land or any other property?				
3. Protection: Where natural hazard/s exist; has adequate provision been made to protect land, building work, or other property from the hazard/s?				
4. Restoration: Where natural hazard/s exist; does consent documentation demonstrate adequate provision has or will be made to restore any damage to the land or other property as a result of the building work?				
5. Conditions: Where building consent is to be issued under section 72; have all conditions required under section 73 been initiated and have all parties been notified, and where required, provided with a copy of the PIM that has been issued and that relates to this project accompany such notification?				
Supplementary Processing Notes:		JR	11/03/2021 03:29 pm	Internal works only
Section 84 - 89: Restricted Building Work: Has the applicable restricted building work been properly identified, and have the names of owner-builders, and/or licensed building practitioners that are supervising or carrying out such work been notified to the BCA? Ticking this question will automatically add an advice note requesting Form 6A. Please edit this advice note accordingly.				
Section 84 - 89: Restricted Building Work - Prompt List:	Y	JR	11/03/2021 03:35 pm	
1. Design Certificate: Is the design certificate/s correctly completed and is the scope of each practitioners work clearly identified?	Y	JR	11/03/2021 03:35 pm	Design Certificate: the design certificate/s is correctly completed and the scope of each practitioners work is identified
2. License: Do the applicable LBP's that are nominated or involved in the project hold current and correct classes of license?	Y	JR	11/03/2021 03:35 pm	License: the nominated LBP's hold current licenses and the class of license is correct.

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3. Statutory Declaration: If restricted work is intended to be carried out by the Owner/Builder, then has the statutory declaration as to Owner/Builder status been provided?	N/A	JR	11/03/2021 03:35 pm	Statutory Declaration: section 87A does not apply to this project.
4. Fire Safety Systems: If the building work relates to fire safety systems of small to medium apartments then does the designer have the appropriate design license class for this work?	N/A	JR	11/03/2021 03:35 pm	Fire Safety Systems: this question does not apply to this project.
Supplementary Processing Notes:		JR	11/03/2021 03:35 pm	Trevor Rowson - Licensed Building Practitioner Building practitioner numberBP100496 Phone number 07 348 2577 Location Matipo Heights Rotorua, 3015Company Involvement European Investment Properties Limited. Licence class Status of Licence Status Status reasonDate granted Date granted DesignApproved Active 30 Jan 2009 30 Jan 2009 Areas of practice Design 2
Section 112 (1): Alterations to Buildings: If the proposal involves alteration to an existing building, then does the solution demonstrate on reasonable grounds that after alteration the building will comply, as nearly as is reasonably practicable with provisions that relate to: Select N/A if the proposal is not an alteration to an existing building.				
Section 112 (1): Alterations to Buildings - Prompt List:	Y	JR	11/03/2021 03:35 pm	
(i) Means of escape from fire	Y	JR	11/03/2021 03:35 pm	MOE: reasonable grounds exist to demonstrate that provisions of s112 (1)(i) relating to means of escape from fire are satisfied. Escape from fire has been considered, a type 1 fire alarm is to be provided as required by F7/AS1
(ii) Access & facilities for people with disabilities: (if required by Section 118)?	N/A	JR	11/03/2021 03:35 pm	Access and Facilities: this question does not apply to this application.
(iii) Continue to comply with the other provisions of the building code to at least the same extent as before the alteration?	Y	JR	11/03/2021 03:35 pm	(iii): documentation demonstrates reasonable grounds for accepting that the building will continue to comply with the other provisions of the building code to at least the same extent as before the alteration as per section 112(1)(b) (comment further) Documentation demonstrates compliance.
Section 112 (2): Alterations to Buildings - TA Function: Have the provisions of section 112 (2) been satisfied? Select N/A if the Territorial Authority does not need to consider section 112 (2).	N/A	JR	11/03/2021 03:35 pm	This question does not apply to this project as TA input is not required
Section 113: Specified Intended Life: Is the specified intended life of the building less than fifty years? Please select N/A if the specified intended life is fifty years or more.	N/A	JR	11/03/2021 03:36 pm	The intended life of the building is fifty or more years.
Section 116: Extension of Life: Does the proposal demonstrate compliance with provisions of Section 116? Please select N/A if the application does not apply to a building that currently has a specified intended life.	N/A	JR	11/03/2021 03:36 pm	This question does not apply to this application.
Section 268 - 272: Product Certificates: If the proposal includes a product certificate issued by an accredited product certification body under BA sec. 261; then is the certificate current and the proposal within the scope of the product certificate? Please check MBIE register and record the product Authorization Number; or select N/A if there no certified building methods or products.	N/A	JR	11/03/2021 03:36 pm	This question does not apply to this application.
PRELIMINARY				
Required Docs: Please tick if there are any required documents or construction monitoring records required for this project. Select N/A if there are no required documents or construction monitoring records required. Please do not apply a cross to this question.	Y	JR	11/03/2021 03:38 pm	Required documents and construction monitoring records will be required before CCC is issued.
Site Considerations: Have the following matters been checked and confirmed to be compliant:				
Site Considerations - Prompt List:	N	JR	11/03/2021 04:15 pm	

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Site Considerations:1. Siting: Is sufficient information provided to ensure building work will be correctly sited?	Y	JR	11/03/2021 04:15 pm	Sufficient information is provided to ensure building work will be correctly sited. Existing structure
2. Wind, earthquake, corrosion zones: Have the wind, earthquake and corrosion zones for this site been correctly assessed?	Y	JR	11/03/2021 04:15 pm	The wind, earthquake and corrosion zones for this site been correctly assessed and are considered compliant. Site specific PS1 provided.
3. Liquefaction susceptibility: If the land on which the building work is to occur is deemed susceptible to liquefaction, then please confirm whether a geotechnical report been provided?	N/A	JR	11/03/2021 04:15 pm	The land on which the building work is to occur is not deemed susceptible to liquefaction so this question is not applicable to this project.
4. Easement: Is an easement required for drains or for access that may affect other properties?	N/A	JR	11/03/2021 04:15 pm	There is no requirement for an easement for drainage or access that may affect other properties.
5. Services: Have the effects of building work on existing services been properly considered?	Y	JR	11/03/2021 04:15 pm	The effects of building work on existing services has been properly considered. Visual inspection will confirm this proposal will be clear of existing services. BCO inspector to confirm onsite.
6. Slope suitability and overland flow paths: Have the effects of sloping ground in relation to building stability and the effects of overland flow paths been properly considered?	N/A	JR	11/03/2021 04:15 pm	The site is level and is not effected by overland flow paths. proposal is within existing footprint.
7. Ground bearing: Is evidence provided to confirm that ground bearing capacity is adequate to support imposed loads? [ensure construction monitoring / site verification requirements been applied and apply advice note if required].	N	JR	11/03/2021 04:15 pm	Please provide confirmation to verify that ground bearing capacity is adequate to support imposed loads.
8. Demolition, excavation, construction, sediment control: Have the effects that these activities may have on people or other properties been properly considered and / or mitigated?	N	JR	11/03/2021 04:15 pm	Please assess the effects that these activities may have on people or other properties and provide a proposal to mitigate these effects.
9. Finished floor levels: Has compliance with code provisions for finished floor levels in relation to finished ground demonstrated?	N/A	JR	11/03/2021 04:15 pm	There will be no changes to existing floor levels. 1
10. Misc.:	N/A			
Site Considerations - Prompt List:	Y	JR	26/03/2021 03:23 pm	RFI Response
Site Considerations:1. Siting: Is sufficient information provided to ensure building work will be correctly sited?	Y	JR	26/03/2021 03:23 pm	Sufficient information is provided to ensure building work will be correctly sited. Existing structure
2. Wind, earthquake, corrosion zones: Have the wind, earthquake and corrosion zones for this site been correctly assessed?	Y	JR	26/03/2021 03:23 pm	The wind, earthquake and corrosion zones for this site been correctly assessed and are considered compliant. Site specific PS1 provided.
3. Liquefaction susceptibility: If the land on which the building work is to occur is deemed susceptible to liquefaction, then please confirm whether a geotechnical report been provided?	N/A	JR	26/03/2021 03:23 pm	The land on which the building work is to occur is not deemed susceptible to liquefaction so this question is not applicable to this project.
4. Easement: Is an easement required for drains or for access that may affect other properties?	N/A	JR	26/03/2021 03:23 pm	There is no requirement for an easement for drainage or access that may affect other properties.
5. Services: Have the effects of building work on existing services been properly considered?	Y	JR	26/03/2021 03:23 pm	The effects of building work on existing services has been properly considered. Visual inspection will confirm this proposal will be clear of existing services. BCO inspector to confirm onsite.
6. Slope suitability and overland flow paths: Have the effects of sloping ground in relation to building stability and the effects of overland flow paths been properly considered?	N/A	JR	26/03/2021 03:23 pm	The site is level and is not effected by overland flow paths. proposal is within existing footprint.
7. Ground bearing: Is evidence provided to confirm that ground bearing capacity is adequate to support imposed loads? [ensure construction monitoring / site verification requirements been applied and apply advice note if required].	Y	JR	26/03/2021 03:23 pm	Based on the age of the house and historic knowledge, the existing dwelling is unlikely to have SED foundation, therefore because the existing structure is still level and plumb, it is assumed good ground is available. The engineer has confirmed his design requires less than good ground therefore BCO inspector to confirm good ground at first inspection to satisfy the PS1 footing design.
8. Demolition, excavation, construction, sediment control: Have the effects that these activities may have on people or other properties been properly considered and / or mitigated?	Y	JR	26/03/2021 03:23 pm	construction details provided do demonstrate how any structural risk will be mitigated appropriately during the work when undertaken.
9. Finished floor levels: Has compliance with code provisions for finished floor levels in relation to finished ground demonstrated?	N/A	JR	26/03/2021 03:23 pm	There will be no changes to existing floor levels. 1
10. Misc.:	N/A			
Preconstruction Meeting: Is a pre-construction meeting required? Please select N/A if a Pre-construction meeting is not required.	N/A	JR	11/03/2021 04:15 pm	A pre-construction meeting is not required.
Miscellaneous - Other: Please select the cross if you wish to raise an RFI for an item that may not clearly fit into any other category.	N/A	JR	11/03/2021 04:15 pm	Not required
B1: STRUCTURE				
B1 - Structure				

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B1: Foundations, Piles, Floors				
B1: Pile: Does the pile design comply with the nominated compliance path and with B1 & B2?				
B1: Pile - Prompt List:	<u>Y</u>	<u>JR</u>	<u>11/03/2021 04:26 pm</u>	
<i>Pile:1. Pile layout, treatment, type, footing, height: Is compliance demonstrated?</i>	N/A	JR	11/03/2021 04:26 pm	This question does not apply to this project.
<i>2. Bracing: Is pile bracing demand satisfied?</i>	N/A	JR	11/03/2021 04:26 pm	Pile bracing: this question does not apply to this project. new piles will be attached to superstructure, PS1 designed in accordance with B1/VM1
<i>3. Load paths: Are the piles correctly located to support imposed loads?</i>	Y	JR	11/03/2021 04:26 pm	Load paths: compliance is satisfied. Proposed load points
<i>4. Pile fixings: Are pile fixing assembly and durability details compliant and appropriate for the pile type?</i>	Y	JR	11/03/2021 04:26 pm	Pile fixing assembly and durability details are compliant. PS1 covers structural elements of this proposal.
<i>5. Sub-floor access / ventilation: Is sub-floor access and ventilation compliant?</i>	N/A	JR	11/03/2021 04:26 pm	Sub-floor access, ventilation: this question is not applicable to this project.
<i>6. SED, driven piles: Does specific engineer design information demonstrate compliance, and have construction monitoring requirements been entered into the system? Please review inspections and add further inspections as required to suit method of construction.</i>	N/A	JR	11/03/2021 04:26 pm	This question is not applicable to this project.
<i>7. Miscellaneous:</i>	N/A	JR	11/03/2021 04:26 pm	There are no miscellaneous matters for consideration.
B1: Footings, Foundations (In-situ, masonry, SED): Does the design comply with that of the nominated compliance path and satisfy the requirements for B1 Structure and B2 Durability? Note: Please assess compliance of all footing and foundations (including those of SED elements) under this question.				
B1: Footings, Foundations (In-situ, masonry, SED) - Prompt List:		<u>JR</u>	<u>12/03/2021 08:24 am</u>	
<i>Footings and Foundations:1. Footings, foundations, foundation walls: Is the footing, foundation wall, reinforcing detailing compliant? [Check - Footing and foundation sizes, Reinforcing - grade, size, lap, support; Check concrete cover and concrete strength is appropriate for the environment and corrosion zone].</i>				
<i>2. SED footings and foundations (includes those for posts, columns, tilt panels, portal frames): Does the specific design demonstrate compliance and have construction monitoring requirements been determined and entered into the system? [Check that information addresses design actions, loading, uplift, and connections and ensure detailing is compliant]. Please review inspections and add further inspections as required to suit method of construction.</i>				
<i>3. Sub-floor access and ventilation: Is the detailing for sub-floor access and sub-floor ventilation compliant?</i>	N/A	JR	12/03/2021 08:24 am	There is no requirement for subfloor access or subfloor ventilation for this project therefore this question is not applicable.
<i>4. Miscellaneous:</i>	N/A	JR	12/03/2021 08:24 am	There are no miscellaneous matters that require consideration
B1: Footings, Foundations (In-situ, masonry, SED) - Prompt List:	<u>Y</u>	<u>JR</u>	<u>30/03/2021 11:30 am</u>	
<i>Footings and Foundations:1. Footings, foundations, foundation walls: Is the footing, foundation wall, reinforcing detailing compliant? [Check - Footing and foundation sizes, Reinforcing - grade, size, lap, support; Check concrete cover and concrete strength is appropriate for the environment and corrosion zone].</i>	Y	JR	30/03/2021 11:30 am	Detailing is compliant. considerations include footing size, foundation sizes, reinforcing grade, size, cover, lap, support and concrete strength. PS1 covers footing design to page 2.
<i>2. SED footings and foundations (includes those for posts, columns, tilt panels, portal frames): Does the specific design demonstrate compliance and have construction monitoring requirements been determined and entered into the system? [Check that information addresses design actions, loading, uplift, and connections and ensure detailing is compliant]. Please review inspections and add further inspections as required to suit method of construction.</i>	N/A	JR	30/03/2021 11:30 am	SED elements (posts, columns, tilt panels, portal frames): there are no specific design elements associated with this project so this question is not applicable.
<i>3. Sub-floor access and ventilation: Is the detailing for sub-floor access and sub-floor ventilation compliant?</i>	N/A	JR	30/03/2021 11:30 am	There is no requirement for subfloor access or subfloor ventilation for this project therefore this question is not applicable.
<i>4. Miscellaneous:</i>	N/A	JR	30/03/2021 11:30 am	There are no miscellaneous matters that require consideration
B1: Floor Slab: Does floor slab detailing demonstrate compliance with the nominated compliance path and with NZBC B1 & B2? Note: Please assess compliance of SED floor slab proposals under this question.				

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B1: Floor Slab - Prompt List:	<u>N/A</u>	<u>JR</u>	<u>11/03/2021 04:30 pm</u>	This question does not apply to this application.
Floor Slab:1. Floor level and ground bearing: Select N/A as this should have been checked under Preliminary > Site Considerations.				
2. Foundation details: Do details demonstrate compliance with the compliance path nominated?				
3. Pod layout, hard fill, blinding, DPM, insulation: Are details complying? [Check that specifications identify requirements for compaction, hard fill, DPM grade and installation].				
4. Reinforcing: Is reinforcing grade, size, lap, support, cover and location of supplementary bars complying?				
5. Point loads: Are the location of point loads correctly identified and is thickening detailing complying? [Check load path support details from roof through to ground level].				
6. Control Joints: Is detailing of control joints complying?				
7. Concrete strength: Is concrete strength and cover appropriate for the environment and corrosion zone?				
8. SED floor slab: Does the floor slab design demonstrate compliance with B1 & B2? [Check - confirmation of suitable ground bearing; ensure construction monitoring requirements are recorded]. Please review inspections and add further inspections as required to suit method of construction.				
9. Miscellaneous:				
Producer Statement: Does the statement provide sufficient information and evidence to demonstrate reasonable grounds for its acceptance?				
Producer Statement - Prompt List:	<u>Y</u>	<u>JR</u>	<u>11/03/2021 04:29 pm</u>	
Producer Statement:1. Scope: Is the scope and extent of work accurately and clearly identified?	Y	JR	11/03/2021 04:29 pm	The scope and extent of work is accurately and clearly identified
2. ID: Is the site address & legal description correctly identified?	Y	JR	11/03/2021 04:29 pm	The Building Consent Authority is identified as the recipient
3. Recipient: Is the Building Consent Authority identified as the recipient?	Y			
4. Author: Is adequate information is provided? [author name, qualification, registration number, professional affiliation, company name].	Y	JR	11/03/2021 04:29 pm	Adequate information is provided
5. Competence: Is work within the author's scope of approval / competence?	Y	JR	11/03/2021 04:29 pm	Work within the author's scope of approval / competence
6. Means of compliance: Is the correct code clauses and means of compliance identified and include B2 - Durability?	Y	JR	11/03/2021 04:29 pm	Means of compliance is correctly identified.
7. References: Are references to plans or consent documents correct?	Y	JR	11/03/2021 04:29 pm	References to Plans and consent documents is correct.
8. Conditions: If conditions apply then are these clear and practicable?	Y	JR	11/03/2021 04:29 pm	Conditions apply and these are clear and practicable.
9. Construction verification: If on-site construction verification is required then is construction monitoring action completed?	Y	JR	11/03/2021 04:29 pm	Construction monitoring actions are recorded.
Supplementary Processing Notes:		JR	11/03/2021 04:29 pm	Correct and complete PS1 provided, signed by relevant and current professional covered by 200K insurance policy.
B1: Sub-floor, Mid-floor, Deck				
B1: Sub-floor structure and flooring: Does the design for the sub-floor structure and flooring comply with the design solution nominated and with NZBC B1 and B2:				
B1: Sub-floor structure and flooring - Prompt List:	<u>Y</u>	<u>JR</u>	<u>12/03/2021 08:29 am</u>	
Sub-floor Structure and Flooring:1. Sub-floor wall framing: Is compliance demonstrated? Check - framing size, treatment, bracing, fixings and ensure that DPC is detailed between framing and concrete].	N/A	JR	12/03/2021 08:29 am	Sub-floor wall framing: there is no subfloor framing that requires consideration.
2. Bearers, stringers, joists: Is compliance demonstrated? [Check - support for floor loads, load bearing walls and point loads; treatment, size, span, spacing and layout of members; support and bracing; DPC; fixings and treatment].	N/A	JR	12/03/2021 08:29 am	Bearers, stringers, joists:
3. Services: Is the setout for the subfloor structure and services compatible? [Check - that falls for services pipework will fit within the floor cavity and check that if pipework is to pass through framing members structural integrity will not be compromised].	N/A	JR	12/03/2021 08:29 am	Services:
4. Sub-floor bracing: Is detailing compliant? [Check - size and treatment of brace elements; check earthquake and wind demand complies, check bracing values and distribution of elements; check diaphragm ratio; check fixing details].	N/A	JR	12/03/2021 08:29 am	Sub-floor bracing and lateral support: this does not require consideration on this project. Added pile and subfloor members taking proposed point loads that are connected to existing super structure.

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5. Clearances, ventilation: Is clearance between ground and structural elements complying and is adequate subfloor ventilation available? [Check - that the required clearances are provided between ground and underside of the structure and flooring; that threshold clearances comply; that required clearance is provided between the base of wall cladding and decks or finished ground; that subfloor ventilation provisions are satisfied]	N/A	JR	12/03/2021 08:29 am	Clearances: this question does not require consideration.
6. Sub-floor insulation: Is this compliant?	N/A	JR	12/03/2021 08:29 am	Sub-floor insulation: this question does not apply to this project.
7. Internal flooring: Is the flooring system compliant? [Check - treatment, grade, thickness, support, fixings and finish].	N/A	JR	12/03/2021 08:29 am	Flooring: this question does not apply to this project.
8. SED: Does the solution demonstrate compliance with the design solution nominated and has construction monitoring requirements been recorded?	Y	JR	12/03/2021 08:29 am	The solution demonstrate compliance with the design solution nominated and construction monitoring requirements have been recorded. PS1 provided covers subfloor detailing in accordance with B1/VM1
9. Miscellaneous:	N/A	JR	12/03/2021 08:29 am	There are no miscellaneous matters that require consideration.
B1: Deck Structure and Decking: Does the proposal for the deck structure and decking comply with the nominated compliance path and with NZBC B1 & B2?				
B1: Deck Structure and Decking - Prompt List:	<u>N/A</u>	<u>JR</u>	<u>12/03/2021 08:30 am</u>	This question does not apply to this application.
Deck Structure and Decking:1. Structure: Is the proposed structural detailing compliant? [Check - size, treatment, grade, span and fixing of deck framing and deck bracing elements].				
2. Decking: Is the decking design compliant? [Check - treatment, grade, thickness, support, fixings, finish; Provision for drainage and maintenance; Ensure decks do not prevent access or visibility of gully traps or impede subfloor ventilation].				
3. SED:(includes deck barriers): Does the SED solution demonstrate compliance and have compliance monitoring requirements been entered into the system? [NOTE: there are no verification methods or acceptable solutions for the design of deck barriers so these will be subject to specific engineering design].				
4. Miscellaneous:				
B1: Walls, Roof, Linings				
B1: Walls, Wall bracing, Posts, Beams: Does the design for the wall structure, posts and beams comply with the design solution nominated and with NZBC B1 and B2? Disable the pre-pour inspection for post footings if these are to be poured in conjunction with the floor slab.				
B1: Walls, Wall bracing, Posts, Beams - Prompt List:	<u>Y</u>	<u>JR</u>	<u>12/03/2021 08:54 am</u>	
Walls, Wall bracing, Posts, Beams:1. Wall framing: Is the wall framing construction detail complying? [Check - Framing treatment, grade, size, support, setout, separation between concrete and framing, and fixing of plates, studs, trimmers, lintels and sills].	Y	JR	12/03/2021 08:54 am	Wall framing construction detail complies. Considerations include checking treatment, grade, size, support, setout, and fixing of plates, studs, trimmers, lintels and sills. Support members covered by PS1 as indicated by engineers stamp. Detailing is clear, all relevant information is included.
2. Wall bracing: Does the wall bracing design comply? [Check - Complying bracing methodology is applied; Brace demand complies; Brace line layout and distribution of brace elements; Brace element construction and fixing; Allowances applied for wall height variances; Brace elements are clear of wet areas].	Y	JR	12/03/2021 08:54 am	Wall bracing design demonstrates compliance. Existing bracing units reinstated as noted to page 1
3. Posts, beams: Does the post / beam design demonstrate compliance? [Check - durability of materials; Post / footings / connections; Post size, grade, spacing; beam size, grade, span; post beam connections].	Y	JR	12/03/2021 08:54 am	The post / beam design demonstrates compliance. Considerations include checking durability of materials; post / footing connections; post size, grade, spacing; beam size, grade, span; post beam connections. Details covered by SED sign by structural engineer. All relevant details provided.
4. SED (structural elements): Does the solution demonstrate compliance with the compliance pathway nominated and have construction monitoring and any inspection requirements been recorded? [Check - Structural calculations; Check structural drawing coordination has occurred; Identify any third party documentation that is required under construction monitoring i.e. PS4; Review inspection requirements].	Y	JR	12/03/2021 08:54 am	The solution demonstrate compliance with the design solution nominated and construction monitoring requirements have been recorded. PS1 processed.

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5. Miscellaneous:	N/A	JR	12/03/2021 08:54 am	There are no miscellaneous matters requiring consideration.
Roof Structure: Does the roof structure design comply with the design solution nominated and with NZBC B1 and B2?				
Roof Structure - Prompt List:	<u>Y</u>	<u>JR</u>	<u>12/03/2021 09:00 am</u>	
Roof Structure (light construction): 1. Imposed loads: Is the roof structure adequate to support imposed loads? [Check - wind, snow, earthquake].	N/A	JR	12/03/2021 09:00 am	Imposed loads: this question does not apply to this project.
2. Roof truss certification, layout and bracing: Is a complying and site specific truss design provided along with the layout, a producer statement, a design statement and a manufacturer statement? [Lintels may be considered here or under wall framing].	N/A	JR	12/03/2021 09:00 am	Roof truss certification, layout and bracing: this question does not apply to this project.
3. Timber roof frame elements: Is the detailing for roof frame elements complying? [Check - grade, size, spacing, span, treatment and fixings for roof frame members - rafters, ridge boards, ridge beams, ceiling joists, ceiling runners, valley boards, underpurlins, underpurlin struts, strutting beams, veranda beams, collar ties and cleats, eaves, gable verges, purlins and tile battens].	Y	JR	12/03/2021 09:00 am	Roof frame elements - the detailing, spacing, span, treatment and fixing of members is complying with B1/VM1 as per PS1 provided.
4. Bracing: Is roof bracing complying? [Check - Sarking; Location, distribution, size, spacing, grade and fixing of roof plane and roof space braces; Consider bottom chord restraint and distribution of gable end braces].	N/A	JR	12/03/2021 09:00 am	Bracing: this question does not apply to this project.
5. Purlins, Tile battens, Ceiling battens: Does the purlin, tile batten, ceiling batten type, size, grade, spacing, span, fixing and durability comply?	N/A	JR	12/03/2021 09:00 am	This question does not apply to this project.
6. Insulation: Have roof space insulation requirements been considered? [Consider - depth of rafters and thickness of insulation; Clearance between insulation and roof frame at exterior wall junctions and clearance with roof underlay].	N/A	JR	12/03/2021 09:00 am	Insulation: this question does not apply to this project.
7. SED: Does the SED solution demonstrate compliance and have compliance monitoring requirements been entered into the system? [Check - Structural calculations; Check structural drawing coordination has occurred; Identify any third party documentation that is required under construction monitoring i.e. PS4; Review inspection requirements].	Y	JR	12/03/2021 09:00 am	The SED solution demonstrates compliance and compliance monitoring requirements have been entered into the system. Detailing provided covered by PS1 for proposed hidden beams replacing the LBW. Engineers stamp provided.
8. Miscellaneous:	N/A	JR	12/03/2021 09:00 am	There are no miscellaneous matters associated with roof structure.
B1: Wall & Ceiling Linings: Are wall and ceiling linings fit for purpose and are specifications adequate to ensure complying installation? Consider ceiling diaphragms - Rectangular, Length (L) shall not exceed 2 x width (W); Check sheet specifications and fixing; Protrusions (see NZS 3604:2011 13.5)	Y	JR	12/03/2021 09:10 am	B1: Wall & ceiling lining construction detailing is compliant. Construction detailing is compliant. 10mm Gib lining to walls, 13mm GIB lining to ceiling
	Y	JR	12/03/2021 09:10 am	B1: Wall & ceiling lining construction detailing is compliant. To match existing.
B1: Small Chimney: Does the chimney design comply with the design solution nominated, and with NZBC B1 & B2? This question does not address compliance with NZBC C1 - C6. Please GO TO C - FIRE SAFETY Para 7.5 after completing these questions. Please process chimney foundations and footings under B1: Foundations, Piles, Floors.				
B1: Small Chimney - Prompt List:	<u>N/A</u>	<u>JR</u>	<u>12/03/2021 09:09 am</u>	This question does not apply to this application.
Small Chimney 1. Ground bearing: Is evidence provided to confirm that the chimney will be founded on good ground?				
2. Limitations: Have design limitations been checked and confirmed as complying?				
3. Foundations: Does detailing demonstrate compliance? [Check - reinforcing, size, grade, placement, concrete strength].				
4. Hearth: Are hearth construction requirements and limitations satisfied?				
5. Connections: Is detailing of connections and supports compliant?				
6. Brace demand: Is bracing demand compliant?				
7. B2: Is compliance with durability provisions satisfied? [Check impact on materials in relation to environment, and access & maintenance risk].				
8. E2: (Weather-tightness) - Is flashing detailing compliant?				
9. SED: Does the design demonstrate compliance and have construction monitoring requirements been entered into the system? Please review inspections and add further inspections as required to suit method of construction.				

MAIN BUILDING - R1 DWELLING ADDITION - ALTERATION - Processing - AUDIT	Y/N	User	Date	Notes
10. Miscellaneous:				
B1: Masonry Construction (SED, NZS 4229, NZS 4230): Does the masonry design proposal demonstrate compliance with the design solution nominated and with NZBC B1 and B2? Please process the footings and foundations under B1: Foundations, Piles, Floors. Please process external tanking of blockwork under E2 - E2.3.4 - Drainage and Tanking. Please review inspections and modify as required.				
B1: Masonry Construction (SED, NZS 4229, NZS 4230) - Prompt List:	N/A	JR	12/03/2021 09:09 am	This question does not apply to this application.
Masonry Construction:1. Scope: Is the design within scope of the nominated design solution?				
2. Design principles: Do the design principles and requirements for construction comply?				
3. Durability: Has the correct site classification been applied and does the design satisfy provisions of NZBC Clause B2?				
4. Materials: Do the materials specified comply with the provisions of the nominated design solution?				
5. Fire resistance: Do components (walls, beams, columns etc.) have the required fire resistant rating for stability, integrity and insulation?				
6. Bracing demand: Are bracing demand provisions satisfied?				
7. Diaphragms: Are the requirements and provisions for diaphragms satisfied?				
8. Reinforcement: Is the design of reinforcement compliant?				
9. Structure: Is the design of structural walls, beams, columns, beam / column joints, bond beams and lintels compliant?				
10. Shrinkage, movement control: Are provisions for movement control and shrinkage satisfied?				
11. SED: Does the SED solution demonstrate compliance and have compliance monitoring requirements been entered into the system? [Check - Structural calculations; Check structural drawing coordination has occurred; Identify any third party documentation that is required under construction monitoring i.e. PS4; Review inspection requirements].				
12. Miscellaneous:				
B2: DURABILITY				
B2: DURABILITY: Does the design demonstrate compliance with Functional Requirement - B2.2? Review inspections and add / delete / modify inspection questions as required.				
B2: DURABILITY - Prompt List:	N	JR	12/03/2021 09:28 am	
Durability:1. B2.3.1a): Will building elements (including floors, walls and fixings) that provide structural stability to the building, or elements that are difficult to access or replace, or where failure of those elements would go undetected during normal use or maintenance, with only normal maintenance continue to satisfy the performance requirements for this code for the lesser of the stated intended life of the building or for 50 years?	N	JR	12/03/2021 09:28 am	Review the durability requirements for the structural elements of your proposal.
2. B2.3.1b): Will building elements (including the building envelope, exposed plumbing in the sub-floor space, and in-built chimneys and flues) that are moderately difficult to access or replace, or where failure of those elements would go undetected during normal use of the building, but would be easily detected during normal maintenance, with only normal maintenance continue to satisfy the performance requirements for this code for the lesser of the stated intended life of the building or for 15 years?				
3. B2.3.1c): Will building elements (including services, linings, renewable protective coatings, and fixtures) that are easy to access and replace, and where failure of those elements would be easily detected during normal use of the building, continue to satisfy the performance requirements for this code for the lesser of the stated intended life of the building or for 5 years?				
4. B2.3.2: Do individual building elements that are components of a building system and are difficult to access or replace have all the same durability OR are installed in a manner that permits replacement of elements of lesser durability without removing elements that have greater durability and are not specifically designed for removal and replacement?				
5. Miscellaneous:				
B2: DURABILITY - Prompt List:	Y	JR	30/03/2021 11:27 am	RFI Response

MAIN BUILDING - R1 DWELLING ADDITION - ALTERATION - Processing - AUDIT	Y/N	User	Date	Notes
Durability:1. B2.3.1a): Will building elements (including floors, walls and fixings) that provide structural stability to the building, or elements that are difficult to access or replace, or where failure of those elements would go undetected during normal use or maintenance, with only normal maintenance continue to satisfy the performance requirements for this code for the lesser of the stated intended life of the building or for 50 years?	Y	JR	30/03/2021 11:27 am	20 MPa concrete
2. B2.3.1b): Will building elements (including the building envelope, exposed plumbing in the sub-floor space, and in-built chimneys and flues) that are moderately difficult to access or replace, or where failure of those elements would go undetected during normal use of the building, but would be easily detected during normal maintenance, with only normal maintenance continue to satisfy the performance requirements for this code for the lesser of the stated intended life of the building or for 15 years?	Y	JR	30/03/2021 11:27 am	B2.3.1b): compliance with B2.3.1b) is satisfied - 15 year durability provisions are satisfied.
3. B2.3.1c): Will building elements (including services, linings, renewable protective coatings, and fixtures) that are easy to access and replace, and where failure of those elements would be easily detected during normal use of the building, continue to satisfy the performance requirements for this code for the lesser of the stated intended life of the building or for 5 years?	N/A	JR	30/03/2021 11:27 am	This question does not apply to this project.
4. B2.3.2: Do individual building elements that are components of a building system and are difficult to access or replace have all the same durability OR are installed in a manner that permits replacement of elements of lesser durability without removing elements that have greater durability and are not specifically designed for removal and replacement?	N/A	JR	30/03/2021 11:27 am	This question does not apply to this project.
5. Miscellaneous:	N/A	JR	30/03/2021 11:27 am	There are no miscellaneous matters that require consideration.
B2: DURABILITY - Prompt List:	Y	JR	30/03/2021 11:29 am	
Durability:1. B2.3.1a): Will building elements (including floors, walls and fixings) that provide structural stability to the building, or elements that are difficult to access or replace, or where failure of those elements would go undetected during normal use or maintenance, with only normal maintenance continue to satisfy the performance requirements for this code for the lesser of the stated intended life of the building or for 50 years?	Y	JR	30/03/2021 11:29 am	20 MPa concrete, H5 pile, s/s fixings to subfloor, Hyspan beams will give 50 years
2. B2.3.1b): Will building elements (including the building envelope, exposed plumbing in the sub-floor space, and in-built chimneys and flues) that are moderately difficult to access or replace, or where failure of those elements would go undetected during normal use of the building, but would be easily detected during normal maintenance, with only normal maintenance continue to satisfy the performance requirements for this code for the lesser of the stated intended life of the building or for 15 years?	Y	JR	30/03/2021 11:29 am	B2.3.1b): compliance with B2.3.1b) is satisfied - 15 year durability provisions are satisfied.
3. B2.3.1c): Will building elements (including services, linings, renewable protective coatings, and fixtures) that are easy to access and replace, and where failure of those elements would be easily detected during normal use of the building, continue to satisfy the performance requirements for this code for the lesser of the stated intended life of the building or for 5 years?	N/A	JR	30/03/2021 11:29 am	This question does not apply to this project.
4. B2.3.2: Do individual building elements that are components of a building system and are difficult to access or replace have all the same durability OR are installed in a manner that permits replacement of elements of lesser durability without removing elements that have greater durability and are not specifically designed for removal and replacement?	N/A	JR	30/03/2021 11:29 am	This question does not apply to this project.
5. Miscellaneous:	N/A	JR	30/03/2021 11:29 am	There are no miscellaneous matters that require consideration.
C: FIRE SAFETY				
C/AS1: SH				
C/AS1: Part 2: Fire Safety System [Para 2.2]: Has the designer specified a complying Smoke alarm system and correctly identified the location of the detectors?	Y	JR	12/03/2021 11:22 am	The designer has specified a complying Type 1 smoke alarm and identified the location of detectors correctly.
C/AS1: Part 3: Means of Escape: Does the building design demonstrate compliance with SH means of escape provisions?	Y	JR	12/03/2021 11:22 am	The design demonstrates compliance with the SH means of escape provisions. deop less than 25 metres
C/AS1: Parts 4 & 5: Control of Fire and Smoke Spread: Does the design demonstrate compliance with C/AS1 Parts 4 & 5 for control of Internal fire and smoke spread and external fire spread?				

MAIN BUILDING - R1 DWELLING ADDITION - ALTERATION - Processing - AUDIT	Y/N	User	Date	Notes
C/AS1: Parts 4 & 5: Control of Fire and Smoke Spread - Prompt List:	<u>N/A</u>	<u>JR</u>	<u>12/03/2021 11:22 am</u>	This question does not apply to this application.
CONTROL OF INTERNAL FIRE AND SMOKE: Internal separations [Para 2.3 & 4.1]: Are fire separations correctly located and do they have complying LIFE or PROPERTY ratings?				
Surface finish [Para 4.2]: If foam plastics or combustible insulating materials form part of a wall or ceiling system, then will the completed system achieve a Group Number of not more than 3?				
CONTROL OF EXTERNAL FIRE SPREAD: Fire resistant ratings [Para 5.1]: Do external walls that are within 1m of a relevant boundary have an FRR of no less than 30/30/30?				
Roof projections [Para 5.2]: Do eaves projections of external walls that require an FRR, have an FRR of 30/30/30; or if not, does the walls fire rating extend up to the underside of the roof?				
3. Eaves rating [Para 5.2.2]: In cases where the eaves extends to within 650 mm of a relevant boundary; is the entire eaves construction and the wall from which it projects provided with an FRR of not less than 30/30/30?				
4. Protection from lower roof [Para 5.3]: Has fire spread from a roof that is close to and lower than an external wall of an adjacent building been mitigated by providing a 30/30/30 fire rating to the part of the roof that is within 5.0m horizontally of the wall?				
5. Exterior surface finishes [Para 5.4]: Do these comply with the provisions of C/AS1 Para 5.4? Not required if surface finishes are less than 1 mm thick and applied directly to non-combustible substrate.				
6. Carports & similar construction [Para 5.5]: Have provisions of C/AS1 Para 5.5 been satisfied?				
7. Specifications / detailing: Is complying construction detailing and specifications for fire rated construction provided? [Check frame construction; Durability; Compatibility of wrap; Insulation; Materials; Finishes].				
8. Maintenance: Do maintenance requirements demonstrate that the fire rated elements will achieve 50 years durability?				
9. Miscellaneous:				
C/AS1: Part 6: Firefighting: Does consent documentation confirm that the pavement is a) able to withstand laden weights of rescue vehicles, b) is traffic-able in all weather, c) is of appropriate width and height, and d) is provided with hard standing within 20 m of building entrance and inlets to sprinkler or hydrants?	N/A	JR	12/03/2021 11:22 am	This question does not apply to this project.
C/AS1: Part 7: Down Lights [Para 7.4]: Have the correct types of down lights been specified and do these comply with Para 7.4 of C1/AS1?				
C/AS1: Part 7: Down Lights [Para 7.4] - Prompt List:	<u>N/A</u>	<u>JR</u>	<u>12/03/2021 11:22 am</u>	This question does not apply to this application.
1. Type: Have complying types of down lights been specified?				
2. Clearance: Are insulation clearance distances specified?				
3. Miscellaneous:				
D: ACCESS		<u>JR</u>	<u>11/03/2021 01:50 pm</u>	Code Clause Disabled: Not applicable for this project.
D1: Access Routes				
E: MOISTURE		<u>JR</u>	<u>11/03/2021 01:50 pm</u>	Code Clause Disabled: Not applicable for this project.
E1: Surface Water				
E2: External Moisture				
E2: Roof Cladding				
E2: Wall Cladding				
E3: Internal Moisture				
F: SAFETY OF USERS		<u>JR</u>	<u>11/03/2021 01:50 pm</u>	Code Clause Disabled: Not applicable for this project.
F1: Hazardous Agents on Site				
F2: Hazardous Building Materials				
F4: Safety from Falling				
F5: Construction and Demolition Hazards				
G: SERVICES		<u>JR</u>	<u>11/03/2021 01:50 pm</u>	Code Clause Disabled: Not applicable for this project.
G1 Personal Hygiene, G2 Laundering, G3 Food Preparation & Prevention of Contamination				
G4: Ventilation				
G5 Interior Environment, G6 Airborne & Impact Sound				

MAIN BUILDING - R1 DWELLING ADDITION - ALTERATION - Processing - AUDIT		Y/N	User	Date	Notes
G7 Natural Light, G8 Artificial Light, G9 Electricity					
G10 Piped Services, G11 Gas As An Energy Source					
G12: Water Supplies					
G13: Foul Water					
H: ENERGY EFFICIENCY			JR	11/03/2021 01:50 pm	Code Clause Disabled: Not applicable for this project.

MAIN BUILDING - R1 DWELLING ADDITION - ALTERATION - Code Clause Management History			
Code Clause	Initials	Date	Reason/Notes
D: ACCESS	JR	11/03/2021 01:50 pm	Not applicable for this project.
E: MOISTURE	JR	11/03/2021 01:50 pm	Not applicable for this project.
F: SAFETY OF USERS	JR	11/03/2021 01:50 pm	Not applicable for this project.
G: SERVICES	JR	11/03/2021 01:50 pm	Not applicable for this project.
H: ENERGY EFFICIENCY	JR	11/03/2021 01:50 pm	Not applicable for this project.

Processing Time Clock Start Date: 26/02/2021 07:45 am

Decision To Grant: BC210077 by Jeffrey Rudolph @ 30/03/2021 12:47 pm

Documentation demonstrates compliance with the Building Code and Building Act 2004. Requests for further information have been addressed and reasons for these have been recorded in each instance. Building Consent can be granted and issued on payment of the appropriate fees and levies.