

| red co | Compliance with Building Code Clause B1 has been assessed by Redco NZ Limited for the follow conditions and fixings: | |
|----------------------------------|---|--|
| | Uplift Fixings for All NZS 3604 Wind | Zones up to and including "Extra High" |
| Eaves Overhang | Screws and Timber Wall Plates | Rivets and Flashings |
| None (Soffit only ⁷) | - | 4.8mm Ø Rivets @ 300mm c/c |
| | | |

- I. All fixings noted herein have been assessed for wind uplift only.
- 2. Fixings for all lateral load conditions, such as bracing and roof diaphragms, must be specifically assessed by the building designer.
- 3. The fixings noted herein may not be suitable for fire-rated walls and roofs and must be specifically assessed by the building designer.
- 4. Both aluminium and steel blind rivets with a minimum diameter of 4.8mm are acceptable.
- 5. Aluminium flashings used in structural connections must be a minimum 40 x 40 x 2.0mm.
- 6. Steel flashings used in structural connections must be a minimum 40 x 40 x 0.5mm pre-galvanised.
- 7. Soffits up to 300mm are not considered as an eaves overhang for the purpose of this assessment.
- 8. Panel metal skins must not be cut unless specifically assessed by the building designer, especially for eaves overhangs.
- 9. The fixings noted herein are suitable for use with Metalcraft Insulated Panels' -Span and -Panel product ranges with EPS and PIR cores.
- 10. Wind speeds exceeding 55m/s ("Extra High"), and all sites within Lee Zones must be specifically assessed by the building designer.

| AU | | | |
|----|----------------------|------------------------|----------------------------|
| | SITUATION 1 | SITUATION 2 | SITUATION 3 |
| | 1. LOW, MEDIUM, HIGH | 1. ALL ROOF PITCHES IN | 1. FOR ALL ROOF PITCHES IN |

| | WIND ZONES, WHERE ROOF PITCH ≥ 10° | VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH ≤ 10° | EXTRA HIGH WIND ZONES | |
|---|---|---|-----------------------|--|
| х | MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) | MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) | | |

| ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE | | | | |
|--|--|--|--|--|
| CATEGORY A CATEGORY B | | | | |
| x | 1. NORMAL EXPOSURE 2. ROOF PITCH >10° MIN. 130mm | 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10° | | |
| | | MIN. 200mm | | |

SOFEIT DETAIL



DISCLAIMER: All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 2.2 /2012, E2 and all other relevant building codes Details of the supporting mechanisms are indicative only. Compliance of the supporting mechanisms is the responsibility of the designer.

| | | 0. | | |
|-----------------------|-----------------|--------------------|---------|------------|
| ThermoSpan Residental | | RES | SIDENTI | AL ROOFING |
| Reference RRTS | Date 04.07.2023 | Scale As indicated | Sheet | 01 / 04 |



| red co | Compliance with Building Code Clause BI has been assessed by Redco NZ Limited for the follow conditions and fixings: | |
|----------------------------------|---|---------------------------------------|
| | Uplift Fixings for All NZS 3604 Wind Zo | ones up to and including "Extra High" |
| Eaves Overhang | Screws and Timber Wall Plates | Rivets and Flashings |
| None (Soffit only ⁷) | 14g Type 17 @ 200mm c/c | - |
| | · · · | |

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- 10. Wind speeds exceeding 55m/s ("Extra High"), and all sites within Lee Zones must be specifically assessed by the building designer.

| | SITUATION 1 | SITUATION 2 | SITUATION 3 |
|---|---|---|---|
| | 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10° | 1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH ≤ 10° | 1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES |
| х | MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) | MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) | |

| ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE | | | | |
|--|--|--|--|--|
| CATEGORY A CATEGORY B | | | | |
| x | 1. NORMAL EXPOSURE 2. ROOF PITCH >10° MIN. 130mm | 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 KPa. 2. ROOF PITCH <10° MIN. 200mm | | |

SOFELT DETAIL



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| | | 30 | | |
|-----------------------|-----------------|--------------------|-------|------------|
| ThermoSpan Residental | | RES | | AL ROOFING |
| Reference RRTS | Date 04.07.2023 | Scale As indicated | Sheet | 02 / 04 |



| C CO | Redco NZ Limited for the follow conditions and fixings: | |
|------|---|--|
| | Uplift Fixings for All NZS 3604 Wind Zones up to and including "Extra High" | |

| Eaves Overhang | Screws and Timber Wall Plates | Rivets and Flashings |
|----------------------------|-------------------------------|---------------------------|
| Jp to 25% of the Roof Span | - | 4.8mm Ø Rivets @ 200mm c/ |

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| | SITUATION 1 | SITUATION 2 | SITUATION 3 |
|---|---|---|---|
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| x | MIN. 130mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) | MIN. 200mm (EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING) | |

| ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE | | | |
|--|--|--|--|
| | CATEGORY A | CATEGORY B | |
| x | 1. NORMAL EXPOSURE 2. ROOF PITCH >10° MIN. 130mm | 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10° MIN. 200mm | |

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| ThermoSpan Residental | RESIDENTIAL ROOFING | | | |
|-----------------------|---------------------|--------------------|-------|---------|
| Reference RRTS | Date 04.07.2023 | Scale As indicated | Sheet | 03 / 04 |



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|----------------------------|--|----------------------|--|--|
| | | | | |
| Eaves Overhang | Screws and Timber Wall Plates | Rivets and Flashings | | |
| Up to 25% of the Roof Span | 14g Type 17 @ 200mm c/c | - | | |

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| ACCEPTABLE SOLUTION AS PER E2/ASI | | | | |
|-----------------------------------|---|---|---|--|
| | SITUATION 1 | SITUATION 2 | SITUATION 3 | |
| | 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH ≥ 10° | 1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH ≤ 10° | 1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES | |
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| Reference RRTS | Date 04.07.2023 | Scale As indicated | Sheet | 04 / 04 |