



WAIMAKARIRI  
DISTRICT COUNCIL

Consent Issued BC171402

**BC No: 171402**

**SITE DETAILS:**

186 SUMMERHILL ROAD

SUMMERHILL

**LEGAL:**

LOT 7 DP 469532

Heating Units **must not** be lit  
until the Code Compliance  
Certificate is issued

**APPROVED BUILDING CONSENT DOCUMENTS AND PLANS  
(FULL SET SUPPLIED)**

**- ON SITE COPY -**

- These plans and specifications must be kept on site during construction, and made available to the building officer on request. Failure to do so will mean an automatic failure of the building inspection and will necessitate re-booking the inspection at the applicant's expense.
- All boundary survey pegs must be located and flagged by the owner before work is commenced.

# INSPECTIONS

for bookings or building enquiries

please phone the BUILDING UNIT on:

03 311 8906

or

Email inspection bookings to: [bcbooking@wmk.govt.nz](mailto:bcbooking@wmk.govt.nz)

- Please refer to your inspection schedule for details of inspections to be carried out.
- 2-3 working day's notice should be given and provision made to allow access.
- The Code Compliance Certificate will be issued once the:
  - Final inspection has been carried out and passed
  - Audit of WDC building consent file has been completed
  - Payment of any outstanding invoices is received

# WOODBURNER COMMITMENT AND REGISTRATION FORM

Consent Issued BC171402



## WOODBURNER REGISTRATION

**Applicant's full name:** \_\_\_\_\_

**Postal address:** \_\_\_\_\_

\_\_\_\_\_

**Phone (home):** \_\_\_\_\_ **Mobile:** \_\_\_\_\_

**Email address:** \_\_\_\_\_

**Site address:** *(Property address of where the wood burner is being used)*

**Number & Street:** \_\_\_\_\_

**Suburb:** \_\_\_\_\_ **City:** \_\_\_\_\_

**Burner make & model:** \_\_\_\_\_

## CONDITION OF USE

**I acknowledge that all users of this woodburner will be required to meet the following conditions.**

|                                                                                                                            |                              |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------|
| The discharge of visible smoke from a burner is not allowed, except for 15 minutes at start-up and 5 minutes at refuelling | <input type="checkbox"/> Yes |
| Only dry, seasoned wood will be used                                                                                       | <input type="checkbox"/> Yes |
| The burner must be well maintained and appropriate records must be kept                                                    | <input type="checkbox"/> Yes |

**For more information and clean burning tips visit [www.letscleartheair.co.nz](http://www.letscleartheair.co.nz)**

\_\_\_\_\_  
Applicant's signature

\_\_\_\_\_  
Date

**Note:** All properties less than 2ha that are in a Clean Air Zone need to register. To find out if your property is in a Clean Air Zone, please contact Customer Services

**Please return to:**

Environment Canterbury  
PO Box 345  
Christchurch 8140

**or email to:**

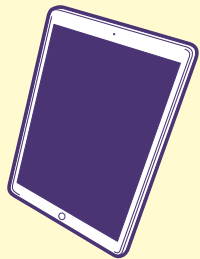
[ecinfo@ecan.govt.nz](mailto:ecinfo@ecan.govt.nz)

**Customer services**

0800 329 276

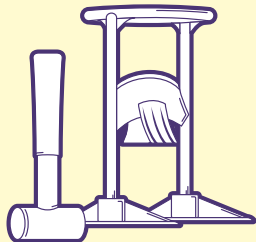
# WIN these great prizes this winter!

Enter now at  
**WarmerCheaper.co.nz**



**An iPad Pro**

**25 Kindling Crackers**



**50 Cosy Home Packs**



**What - no dog treats?**

**Need help making your technique purrrrrfect?**

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If you've checked your chimney and you're still getting a bit of smoke, don't worry, there's plenty of help available.

1. Visit [WarmerCheaper.co.nz](http://WarmerCheaper.co.nz) for a handy video and more top tips.
2. Come and watch a fire master build a smoke-free fire. Find out when a demo is happening near you at [WarmerCheaper.co.nz](http://WarmerCheaper.co.nz)
3. In-home training can also be arranged. Email [training@warmercheaper.co.nz](mailto:training@warmercheaper.co.nz) or call Environment Canterbury on 0800 329 276.

## Who has the good wood?

For a list of our Trusted Good Wood Merchants in the Canterbury region, visit [WarmerCheaper.co.nz](http://WarmerCheaper.co.nz)

Trusted  
**GOOD WOOD**  
Merchant



For information about the rules for no visible smoke or woodburners, visit [ecan.govt.nz/air](http://ecan.govt.nz/air). Financial assistance is also available.

# A cosy home is the cat's pyjamas...

and good burning technique is key – you'll be warmer, save on firewood, and have a smoke-free fire!

**Fine-tune your technique right meow and be in to WIN!**



**Warmer Cheaper**

[WarmerCheaper.co.nz](http://WarmerCheaper.co.nz)

## Don't let your wood go up in smoke this winter.

The next time your fire has been up and running for 15 minutes or more, pop outside and check if your chimney is smoke-free. Crazy, but true – you can have a smoke-free fire.

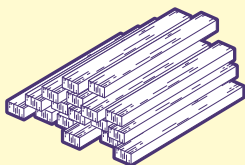
When a fire gets hot enough, the chemicals in wood that produce smoke turn to gas and steam. If you see any smoke AT ALL, your technique might need fine-tuning. Let us show you how.

### Checklist:



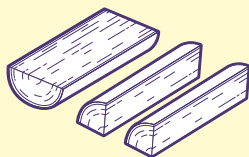
#### Newspaper

some knotted sheets help



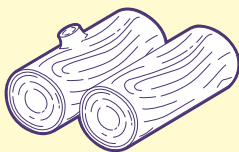
#### Lots of kindling

might be more than you use now



#### Small logs

you will need a few of these for the night

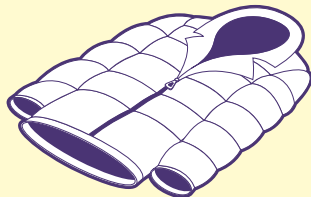


#### Big logs

with a good hot base you will use less of these to keep cosy for the night

#### Coat

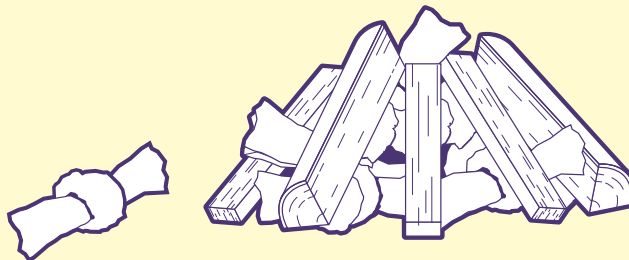
for when you pop outside to check your chimney for smoke



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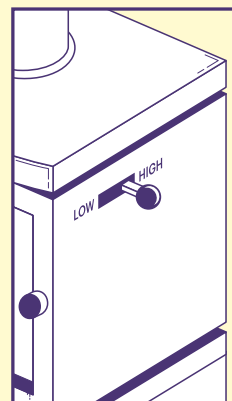
## Step 1. Setting the fire

Put a couple of sheets of scrunched paper in your fire box, and then add about six knots of paper. Loosely cross-stack 8 to 10 pieces of kindling and 2 small logs.



## Step 2. Ignition

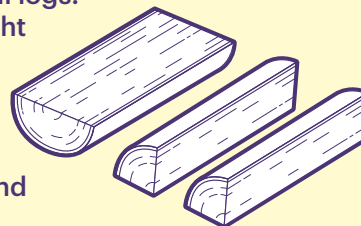
Set the air flow to high and light the fire. Keeping the door slightly ajar helps, but never leave your fire unattended. As soon as the wood is well alight, close the door.



Wait until the wood is creating a brick pattern, before the next step. This will take around five minutes.

## Step 3. Small logs

Add on 3 or 4 small logs. Get these well alight and starting to create a brick pattern before the next step. This will take around five – ten minutes.

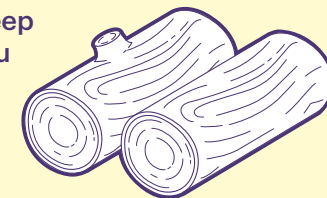


## Step 4. Chimney check

Go outside and check your chimney. If you are doing it right, your fire should now no longer be smoking at all.

## Step 5. Big logs

Add on a couple of big logs. Get these bricking, this will take about an hour. Reload with another couple of big logs. After 15 minutes you can turn the airflow down. The firebox will now be very hot with a deep bed of embers so you won't need to use as much wood to keep cosy for the rest of the night.



## Step 6. Sit back and enjoy!

Make sure to turn the air flow to high and use smaller logs if your fire has died down.



To see these steps in action and to learn more, check out the video at [WarmerCheaper.co.nz](http://WarmerCheaper.co.nz)



# ***HEATING UNIT CONSENT***

## **SECTION 1**

### **Statutory Forms**

- **Inspection List – By Council**
- **Building Consent Form (Form 5) – By Council**
- **Code Compliance Application (Form 6) – By Council**
- **Installation & PS3 Forms – By Council**
- **Application Form**



### **PLEASE NOTE**

- Although your Consent documentation states 48 hours notice is required, it is not always possible to carry out an inspection within this period.
- If an inspection of the building works is not carried out in accordance with the Inspection Schedule it could affect the issue of the Code Compliance Certificate.

To book inspections ring WDC on  
03 311 8906

All inspections are subject to a separate charge.

All re-inspections will be charged and recorded separately even if other inspections are carried out on the same day.

### **Using engineers & other professionals**

If an engineer has been engaged to carry out various site inspections you will need to provide copies of his/her site notices to us and a producer statement, a PS4 from the engineer confirming the building elements designed and inspected by the engineer were completed in accordance with the approved design.

### **Confirmation of installation of products**

We require producer statements, warranties & installation certificates from various installers as a way of confirming products have been installed in accordance with the manufacturer's recommendations. These are commonly required for exterior claddings, wet area tanking, membrane roofing/decking and effluent fields. Energy certificates such as electrical and gas certificates need to be provided too. You will need to provide these to us prior to the issue of the Code Compliance Certificate.

### **Applying for a Code Compliance Certificate (CCC)**

When you are satisfied your project is complete please book a final inspection and complete and sign *form 6*, application for Code Compliance Certificate which is enclosed with your building consent. You should have this form ready for when the building Inspector arrives on site to carry out the final inspection. Please note all outstanding monies must be paid prior to the issue of the CCC.

### **Grant or refuse a CCC**

We are required to make a decision to grant or refuse a CCC if you do not formally apply for a CCC within two years of the granting of the building consent. The date your consent was granted is the date at the bottom of the building consent form. If you do not apply for a CCC or arrange an extension with us within the two year period we may carry out an inspection of the building work. An additional fee applies for this work.

### **Lapsing of your consent**

Your building consent will lapse if building work has not commenced within 12 months after the date of issue of the building consent. The issue date is deemed to be the day you paid for the consent. In saying this we understand things don't always run smoothly so you can apply for a time extension which we may agree to. A fee applies for this.

## Site Inspection Sheet

### Application

|                                                                             |            |                   |
|-----------------------------------------------------------------------------|------------|-------------------|
| Ronald B Frost,<br>Krakatoa<br>186 Summerhill Road<br>RD 1<br>Rangiora 7471 | No.        | BC171402          |
|                                                                             | Issue date | 18 September 2017 |
|                                                                             |            |                   |
|                                                                             | Overseer   | Michael Molloy    |
|                                                                             |            |                   |

### Project

|                   |                                                                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description       | 3302                                                                                                                                                              |
|                   | BC - Heating Appliance (log fire), Solid-fuel (Wood or Coal) fire, MWFF - Free-standing new solid fuel heater, 01 Standard Building Consent(20 W Processing Days) |
| Intended Life     | 20 years                                                                                                                                                          |
| Intended Use      | Residential dwelling                                                                                                                                              |
| Estimated Value   | \$3000.00                                                                                                                                                         |
| Location          | 186 Summerhill Road SUMMERHILL                                                                                                                                    |
| Legal Description | LOT 7 DP 469532 4.435500 Ha                                                                                                                                       |
| Valuation No.     | 2158002507                                                                                                                                                        |

This inspection list and all the approved plans relating to this building consent are to be kept on site and available to the building and/or plumbing and drainage inspector, or approved building certifier, on request.

Please give at least 48 hours notice for the next required inspection.

Work cannot proceed past each step until that step has been inspected and approved.

**Please note! The approved plans and this inspection sheet are to be available on site, on request, at all times.**

**All inspections listed below are to be inspected by a WDC Building Inspector, an Engineer may also need to be engaged to inspect engineer requirements, this will be noted below.**

**BC171402 \*Main BC\***

Building Name:

Location within Site:

Level/Unit Number:

Heating Unit - Final -

# Form 5

## Building consent      BC171402

### Section 51, Building Act 2004

#### The building

Street address of building: 186 Summerhill Road SUMMERHILL

Legal description of land where building is located: LOT 7 DP 469532 4.435500 Ha

Valuation number: 2158002507

Building name:

Location of building within site/block number:

Level/unit number: 1

#### The owner

Name of owner: Ronald B Frost

Contact person: Ronald Barrymore Frost

Mailing address: Krakatoa 186 Summerhill Road RD 1 Rangiora 7471

Street address/registered office:

Phone number: Landline: 033135645

Mobile: 0275141222

Daytime: 033125645

After hours: 033135645

Facsimile number:

Email address: barryfrost@xtra.co.nz

Website:

First point of contact for communications with the council/building consent authority:  
Ronald Barrymore Frost

#### Building work

The following building work is authorised by this building consent:

WOODSMAN TARRAS MK111 WETBACK FREESTANDING LOGBURNER CLEAN AIR CERT 143494 186  
SUMMERHILL ROAD SUMMERHILL LOT 7 DP 469532

Housing - Detached dwellings

This building consent is issued under section 51 of the Building Act 2004. This building consent does not relieve the owner of the building (or proposed building) of any duty or responsibility under any other Act relating to or affecting the building (or proposed building).

This building consent also does not permit the construction, alteration, demolition, or removal of the building (or proposed building) if that construction, alteration, demolition, or removal would be in breach of any other Act.



This building consent is subject to the following condition:

The Building Act 2004, s90, states that agents authorised by the building consent authority (the Council) for the purposes of this section are entitled, at all times during normal working hours or while building work is being done, to inspect –

- (a) land on which building work is being or is proposed to be carried out; and
- (b) building work that has been or is being carried out on or off the building site; and
- (c) any building.

This building consent is issued with the following advice notes:

Comply with the endorsements on the plan.

An inspection of the installation of the heating unit is required before its first use.

The duplicate copy of the approved consent documents and inspection schedule must remain on site during construction.

Please note that any material deviation from the approved documents will require a formal application for amendment. Amendments that are not of a material nature can be approved by a Building Officer or Building Inspector by way of the endorsement of the approved consent documentation.

Occupational Health and Safety and the Labour Department to be notified prior to any disturbance of asbestos or hazardous materials on site during demolition or construction.

Your consent is issued subject to manufactures technical information about their products, installation and maintenance is to be as this technical information requires.

Intended Life of the building (work) is less than 50 years: BA2004 113(2)(a) The building (work) must be altered, removed, or demolished on or before the end of 20 years from the date of issue of this consent (being the specified intended life of the building); or BA2004 114(2)(b) The owner of a building must give written notice to the territorial authority if the owner proposes to extend the life of a building that has a specified intended life.

A Building Consent lapses and is of no effect if the building work to which it relates does not commence within 12 months after the date of issue of the building consent or any further period that the Building Consent Authority may allow. (Time extensions to commence building work after 12 months must be submitted to the Building Consent Authority in writing stating the reason for the request, prior to the lapse date of the consent.

A Building Consent is not completed until it has been issued with a Code Compliance Certificate. The owner is required to complete a separate application for a Code Compliance Certificate as soon as practicable after the building work is completed. In any event no later than two (2) years after the granting of the Building Consent. Council is required to decide whether or not a Code Compliance Certificate can be issued. If your project will not be completed within two years you will need to apply for a time extension\*. \*fees apply

The installer shall provide a PS3 for the installation of the Heating Unit prior to issue of Code Compliance Certificate

### **Compliance schedule**

A Compliance Schedule is not required for this building.

### **Attachments**

Copies of the following documents are attached to this building consent:

Consented Plans

Consented Specifications

Inspection List

Form 6 Application for Code Compliance

A handwritten signature in blue ink, appearing to read 'Shirley Cresswell', with a long horizontal stroke extending to the right.

**Shirley Cresswell**  
Building Unit administrator

On behalf of: Waimakariri District Council  
Date: 18 September 2017

## Form 6

# Application for code compliance certificate

Section 92, Building Act 2004

### The building consent

Building consent number: BC171402

Issued by: Waimakariri District Council

Valuation number: 2158002507

### \*The owner

Name of owner: Ronald B Frost

†Contact person: Ronald Barrymore Frost

Mailing address: Krakatoa 186 Summerhill Road RD 1 Rangiora 7471

Street address/registered office:

Phone number: Landline: 033135645

Mobile: 0275141222

Daytime: 033125645

After hours: 033135645

Facsimile number:

Email address: barryfrost@xtra.co.nz

Website:

The following evidence of ownership is attached to this application: RCNotReq

### Application

All building work to be carried out under the above building consent was completed on:

The personnel who carried out the building work are as follows:

The following specified systems are contained on the compliance schedule for the building and, in the opinion of the personnel who installed them, are capable of performing to the performance standards set out in the building consent:

I request that you issue a code compliance certificate for this work under section 95 of the Building Act 2004.

The code compliance certificate should be sent to: Krakatoa 186 Summerhill Road RD 1 Rangiora 7471

---

Signature of the owner

---

Name of person signing

Date:

**Attachments**

The following documents are attached to this application:

- ¶Certificates from the personnel who carried out the work
- ¶Certificates that relate to the energy work





**WAIMAKARIRI**  
DISTRICT COUNCIL

Private Bag 1005, Rangiora 7440  
Ph 03 311 8900, 03 327 6834 Fax 03 313 4432  
[www.waimakariri.govt.nz](http://www.waimakariri.govt.nz)

Consent Issued BC171402

**PRODUCER STATEMENT INSTALLATION OF SOLID/  
LIQUID FUEL HEATING APPLIANCE**

For Installer to Complete

BC No.

Issued by (Installer):

At (address):

For (Owner):

In respect of the installation of the solid or liquid fuel heating appliance prior to first use.

**HEATING APPLIANCE INSTALLATION**

☐ Free standing

☐ Inbuilt

☐ Wet back

Make of SFB

Make of Flue

Model of SFB

Tick as Appropriate:

Y N N/A

1. Is the SFB and Flue as per the building consent ☐ ☐ ☐
2. Chimney Cleaned ☐ ☐ ☐
3. Fireplace surround/chimney face junction sealed with a heat resistant material ☐ ☐ ☐
4. The flue pipe is constructed of austenitic stainless steel ☐ ☐ ☐
5. Seismic Restraint fitted ☐ ☐ ☐
6. Flue sections are secured together with Stainless Steel Rivets ☐ ☐ ☐
7. The Flue is secured to the heating unit ☐ ☐ ☐
8. The chimney void has been vented at the top ☐ ☐ ☐
9. Flue and appliance clearances have been achieved in terms of the Manufacturers Instructions and AS/NZS 2918:2001 ☐ ☐ ☐
10. Flue Joints sealed in Accordance with Manufacturers Instructions ☐ ☐ ☐
11. Fire Safety Valve connected and working correctly ☐ ☐ ☐
12. If you have answered "no" to any items please comment:

**PLEASE TURN OVER FOR SIGNATURES**

## INSTALLER

I  (print/type name) certify that the above specified installation has been carried out as described and in accordance with the manufacturers installation instructions and the current building code requirements.

Company Name:

Phone:

Address:

Fax:

Email:

Installers Signature:

HHA Registration No:

Date:

## WETBACK INSTALLATION

If a wetback heater is fitted, name the Certifying plumber who carried out the supervised work:

Name:

Registration No:

Signature:

Company Name:

Date:



**WAIMAKARIRI**  
DISTRICT COUNCIL

Private Bag 1005, Rangiora 7440  
Phone 0800 965 468 (0800 WMK GOV)  
Fax 03 313 4432 - waimakariri.govt.nz

**APPLICATION FOR A BUILDING CONSENT  
FOR A SOLID/LIQUID FUEL HEATER  
NOT FOR COMMERCIAL PROJECTS**

Under The Building Act 2004, Section 45 & Schedule 1, Part 1,  
Section 2, BAA13

BC No.

171402

**PROJECT LOCATION**

1. Street address: 186 SUMMERHILL ROAD  
(Where appliance to be installed)
2. Lot: 7 DP: 469532
3. Lot area 4.4355 ☐ Square meters ☒ Hectares

Valuation number: 215800/2507

**THE BUILDING**

4. Building Name (if applicable):
5. Number of levels: 1 6. Unit/Level No.:
7. Current lawfully established use: RESIDENTIAL  
(eg: Use on any previous consent for the existing building)
8. Year building first constructed: 1910  
(Only applicable to existing buildings, approximate date is acceptable, eg 1920's)

**THE OWNER**

9. Owner's name: RONALD BARRYMORE FROST  
(Company or organisation name if applicable)
10. Contact person: BARRY FROST
11. Mailing address: 186 SUMMERHILL ROAD RANGIORA R.D.1 7471
12. Street address / Registered office:
13. Mobile: 0275141222 Landline: (03) 3125645 Email: barryfrost@xtra.co.nz

**THE AGENT**

PLEASE NOTE - Authorisation is required from the owner to act as agent - see page 7.

14. Agent's name:  
(Company or Organisation name if applicable)
15. Contact person:
16. Mailing address:
17. Street address / Registered office:
18. Mobile: Landline: Email:



**APPLICATION**

19. I request that the following (please select one) be issued for the Building Work described in this Application:

- ☒ Building Consent without PIM  
☐ Exemption from the need for B/C (Refer Schedule 1, Part 1, Section 2, BAA13)  
☐ Amendment to Building Consent

20. I wish to receive my approved documentation in the following format:

**PLEASE NOTE** - If Hard Copy please confirm if you wish to pick it up from the council or have it posted.

☐ Electronically via Sharefile Transfer Portal <sup>(1)</sup>

☒ Hard copy: ☐ (post) OR ☒ (pick-up)

(1) You must be set up and registered for this option.

21. All consent related invoices/refunds to be billed and sent to:

☒ Owner ☐ Agent ☐ Or other (If other please complete below)

Company name:  
(If applicable)

Contact person:

Mailing address:

Mobile:

Landline:

Email:

**PLEASE NOTE:**

- Any refunds are to the receipted name unless written authorisation has been received from the receipted person or company.
- One set of "On-site" hard copy consented documents must be available at all times for inspections.
- If the applicant chooses to print their own "On-site" copy of documents it must be a full set, to scale and legible.
- If there are non-consented documents on-site this will result in a failed inspection.

**PROJECT DESCRIPTION**

22. DESCRIPTION OF WORK BEING UNDERTAKEN

REPLACE EXISTING LOG FIRE



## 23. ROOF DETAILS

Pitch° 45 Material Color steel

Flashing Type (please tick below):

- ☐ Concrete Tiles with Lead Flashing/Tile Soaker  
☐ Metal Tiles with Tile Soaker flashing  
☒ Profiled Metal Sheets with EPDM Flexible Boot and Soaker Flashing  
☐ Other (specify in detail)

## 24. INTENDED LIFE OF HEATING APPLIANCE

Please specify the intended life if less than 50 years: 20 Yrs

## 25. APPLIANCE DETAILS

Make: WOODSMAN

Model: TARRAS MK III

Flue Manufacturer: HARRIS HOME FIRES

Clean Air Certificate Number: 143494

Type:

☒ New☒ Solid Fuel☒ Wetback☒ Freestanding

or

or

or

or

☒ Replacement☐ Liquid Fuel☐ Dryback☐ Inbuilt

Replaced Burner Make

Replaced Burner Model

## 26. WETBACK

☒ Not applicable☐ If no previous wetback, provide full details of HWC, valving and venting below and attach specifications☒ If existing wetback, show location of HWC and provide details of venting below (e.g. open vented low pressure):

Open Vented Low pressure

in roof straight above fire.

Secondhand Unit: ☐ Yes ☒ No

Engineer's Report enclosed (if secondhand)

☐ Yes ☐ No

## Inbuilt specific information

Is the fire being replaced into an existing fire place or ready made alcove? (tick one)

☒ Existing fire place ☒ Purpose made alcove☐ If purpose made alcove we need to know construction materials used, alcove size, and construction details for any proposed heat screens. Please provide full details below and attach further sheets if required

WAIMAKARIRI DISTRICT COUNCIL  
 Plans and specifications APPROVED in accordance  
 with the Building Act 2004, clause 49 and the Building  
 Regulations 1992, Clause 3  
 BC171402 18/09/2017 michaelmo

## 27. INSTALLER'S DETAILS

Installer's Name: GRANT WILLIAMS - PLUMBING AND GAS

Phone number: (03) 3107102

Email: grant@pwp.g.co.nz CELLPHONE 0272800653

Plumber's name: AS ABOVE

Phone number: AS ABOVE

Email: AS ABOVE

Registration Number:

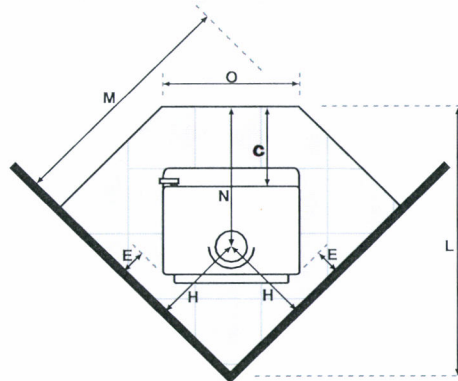
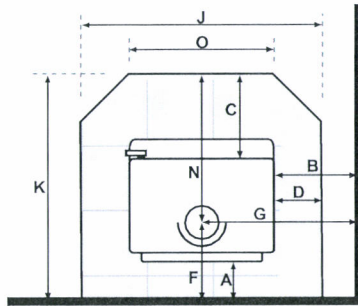


## FOR FREE-STANDING UNITS

Please use the space below to illustrate the location of the heater. If completing this form electronically, attach a picture to the email along with this PDF form, that fits the criteria stated below.

Notes:

1. Draw a full floor plan that accurately shows the location of the heater within the building.
2. Show the location of adjacent walls, windows and doors.
3. If wetback, show the location of the existing cylinder size and type



☒ Fire installed as per manufacturer's clearances. (If not, please complete table below, A-H):

|   |   |   |   |
|---|---|---|---|
| A | E | I | L |
| B | F | J | M |
| C | G | K | N |
| D | H |   |   |

Ceiling Height at Flue: ☒ 2.4m

☐ 2.7m

☐ Other 3.5

Ceiling:

☒ Flat

☐ Sloping

Wall heatshield being used for reduction of measurements: ☐ A&F: ☐ B&G ☐ E&H

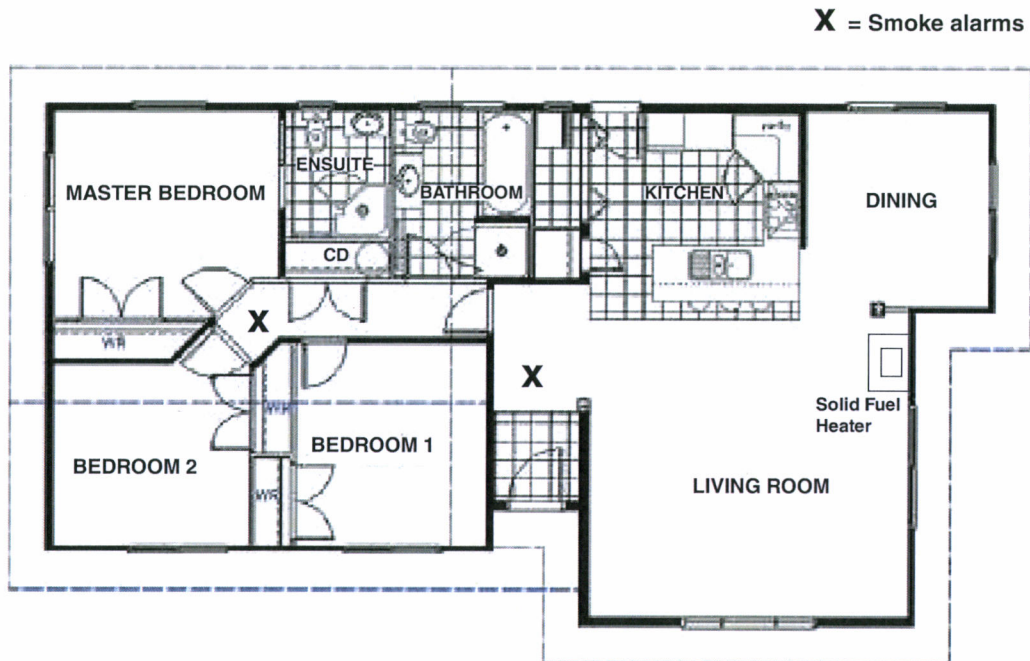
Wall to heatshield air gap size: ☐ 12mm ☐ 25mm (Add calculations box provided)

Heatshield thickness:

Material:

If different from above please draw below and provide heatshield calculations (attach further sheets if necessary):

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BC171402 18/09/2017 michaelmo

**FLOOR PLAN EXAMPLE**

**FLOOR PLAN** (attach further pages if necessary):

ENCLOSED

## BUILDING CODE COMPLIANCE

The building work will comply with the Building Code as follows:

### Clause

Tick relevant clause numbers of Building Code

### Means of compliance

[refer to the relevant compliance document(s) or detail of alternative solution in the plans and specifications; if not applicable, put n/a]

### Waiver / modification required

[state nature of waiver or modification of building code required; if not applicable, put n/a]

☐ B1 Structure

☐ NZS3604

☐ NZS4229

☐ NZS1170

☐ Other:

☒ B2 Durability

☒ B2/AS1

☐ NZS3604

☐ NZS3101

☐ Other:

☐ NZS3602

☐ C1-C6 Protection from Fire

☒ C/AS1

☐ Other:

☐ C1/VM1

☒ E2 External Moisture

☒ E2/AS1

☐ Other:

☐ Specific design and testing

☒ F3 Hazardous Substances

☒ F3/VM1

☐ Other:

☒ F7 Warning Systems

☒ F7/AS1

☐ Other:

☐ G4 Ventilation

☐ G4/AS1

☐ Other:

☐ G9 Electricity

☐ G9/AS1

☐ Other:

☒ G12 Water Supplies

☒ G12/AS1

☐ AS/NZS3500.4

☐ AS/NZS3500.1

☐ Other:

## RESTRICTED BUILDING WORK (provide all details where relevant)

Will the building work include any Restricted Building Work (e.g. Alterations to the primary structure or external moisture management system. Note - forming a new penetration through roof cladding larger than 300 mm or alterations to rafters, joist and trusses are considered Restricted Building Work)? ☐ Yes ☒ No

If Yes, provide details of all licensed building practitioners who will be involved in carrying out or supervising the restricted building work. If these details are unknown at the time of the application, they must be supplied before the building work begins.

LICENCE CLASS

NAME

LICENSED BUILDING  
PRACTITIONER NUMBER

(or registration number if treated as being licensed under section 291 of the Building Act 2004)



**OWNER / AGENT AUTHORISATION**

**PLEASE NOTE** - By entering your name in the box below you are giving your authority for the application to proceed.

Name: RONALD BARRYMORE FROST

Date: 11 SEPTEMBER 2017

I am the ☒ Owner ☐ Agent

**Note:** If acting on behalf, by entering your name above you hereby declare that you are authorised to act as Agent for the Owner.

**NB:** Ensure Agent Authorisation section is completed - see below.

**AGENT AUTHORISATION  
(TO BE AUTHORISED BY OWNER)**

**PLEASE NOTE** - By entering your name in the box below you are giving your authority for this application to proceed.

I authorise \_\_\_\_\_ to act as Agent on my behalf for this Building Consent application under Section 45 of the Building Act 2004.

With respect to this Building Consent application, I authorise \_\_\_\_\_ to act as Agent on my behalf for the application for Code Compliance Certificate under Section 92 of the Building Act 2004.

Name (Owner):

Date:

**TERMS OF TRADE**

I/We understand that:

Building Consents shall be paid for when the consent is collected or if the consent is not collected within three months after the date of consent being granted, the work done to date portion i.e. admin and processing costs of the account will be due and payable. The balance of the invoice will be payable when the consent is collected.

All other accounts shall be paid by the 20th day of the month following the month in which the invoice is issued.

I/We agree to pay according to these terms for any goods or services you supply to us. Failure to meet these Terms of Trade may result in any credit arrangement being withdrawn with any balance becoming payable within seven days. Should failure to meet the terms of trade result in debt recovery and/or legal proceedings, any costs whatsoever incurred in the collection of the debt including debt collector's fees and commissions and legal costs, charges and expenses on a solicitor and own client basis will be added to the account and will be payable by me/us.

**OFFICE USE ONLY**Further information required? ☐ Yes ☒ No

Date of acceptance: 13-9-17

Officer: Karen Johnson

**OFFICE USE ONLY**

Fee paid on application: \$ 390-00

Date:

Officer:

Date payment processed:

Receipt

Officer:

15/09/2017 - DC - Lauren Anson



**DETAILS TO ACCOMPANY THIS APPLICATION**

- One copy of the installation instructions prepared by the heater manufacturer
- One copy of floor plan of the building showing the proposed siting of the heater and location of the smoke detectors
- One copy of detailed installation instructions for flue system
- One copy of flashing details (as per note in checklist).

**APPLICANT'S WOOD BURNER CHECK LIST****Domestic Smoke Detectors (Derived from NZBC F7/AS1)**

Smoke alarms shall be installed in every household unit of purpose groups SH and SR where an automatic smoke detection and alarm system is not required by NZBC F7/AS1 Table 4.1.

**Location of smoke alarms:**

Smoke alarms shall be located on the escape routes on all levels within the household unit. On levels containing the sleeping spaces, the smoke alarms shall be located either in:

every sleeping space or,

within 3.0 m of every sleeping space door. In second option, the smoke alarms must be audible to sleeping occupants on the other side of the closed doors (60dBa within the sleeping space).

Smoke alarms shall be installed and located on or near the ceiling in accordance with NZS 4514 or AS 1670.6 and the manufacturer's instructions.

**Documentation Checklist:**

- ☐ Make and model of wood burner, and installation instructions
- ☐ Make and model of flue and installation instructions
- ☐ Are you in the Clean Air Zone? Call ECan on 0800 324 636
- ☐ Is it Clean Air approved for properties under 2ha in the Waimakariri District?  
(<http://ecan.govt.nz/services/online-services/Pages/authorised-solid-fuel-burners.aspx>)
- ☐ Floor plan showing where the heater is sited in the room in relation to windows and doors. The floor plan must be to scale or dimensioned. (See *Floor Plan example over page*)
- ☐ Smoke detectors (where they are located in the building)

All smoke detectors must be installed prior to final inspection and must be fitted with the "Hush" Button facility

*NB: Must be within three metres from the bedroom door and in the escape route*

For further information read our fact sheet "Domestic Smoke Alarm Systems for Dwellings"

**Details on the Fire Location (See Fire Site example on Page 6)**

- ☐ Distance from walls
- ☐ Distance from windows and curtains (if any)
- ☐ Distance from doors



## IMPORTANT INFORMATION

All the relevant information on this form is required to be provided under the Building Act 2004 and/or Resource Management Act 1991 for the Waimakariri District Council to assess your application. Under these Acts this information has to be made available to members of the public if requested. The information contained in this application may be made available to other units of the Council. You have the right to access the personal information held about you by the Council which can be readily retrieved. You can also request that the Council correct any personal information it holds about you.

### APPLICATION INFORMATION

(a) Building Consent (BC):

A Building Consent will be processed within a maximum allowable time of 20 working days provided all the information required has been supplied. Processing time is stopped whenever further information is required and starts again when the correct information is received.

Once the Building Consent has been granted and issued, you will receive notification. Please note, if any additional fees are applicable at the time of granting the consent, an invoice will be sent with the notification and any fees must be paid before the Building Consent can be issued. Work must not start until the Building Consent is issued, and any Resource Consent requirements have been resolved.

A Building Consent lapses and is of no effect if the building work to which it relates does not commence within 12 months after the date of issue of the Building Consent or any further period that the Building Consent Authority may allow.

(b) If the applicant does not own the land, they must provide written approval from the owner to submit this application.

### BUILDING CONSENT FEES

The Building Consent Fee, payable at the time of application is Inbuilt \$450 (GST inclusive) and \$390 (GST inclusive) for Freestanding.

### INSPECTIONS

During the process of construction, inspections will be necessary to confirm all work complies with your approved Building Consent documentation. Please phone the Building Unit on 03 311 8906 at least 48 hours in advance of requiring an inspection to ensure that this can be arranged.

The inspections required will be set out in the Building Consent documentation issued by the Council. Failure to have a prescribed inspection carried out may put the issue of the Code Compliance Certificate at risk.

Failed inspections will incur a re-inspection charge.

### RESOURCE CONSENT

Your application will be assessed by the Planning Unit of the Council to determine whether your project complies with the relevant District Plan requirements.

If your application does not comply with District Plan requirements you will need to either amend your proposal to comply or apply for a Resource Consent. A Certificate will be attached to your Project Information Memorandum to notify that a Resource Consent is required prior to building work commencing. It is recommended that you phone the Planning Unit on 03 311 8900 to discuss the process.

### ECAN

Please be aware that if your property falls within an ECan clean air zone or it is less than 2ha, there could be some limitations on the type of heating appliance you may install. This is covered by the Resource Management Act. If you have any queries about this, please contact ECan.

### CODE COMPLIANCE CERTIFICATE

A Building Consent is not completed until it has been issued with a Code Compliance Certificate. The owner is required to complete a separate application for a Code Compliance Certificate as soon as practicable after the building work is completed. In any event no later than two (2) years after the granting of the Building Consent, Council is required to decide whether or not a Code Compliance Certificate can be issued. If your project will not be completed within two years you will need to apply for a time extension\*.

\*Fees apply

### AGENCY

The Owner may authorise an agent to submit an application on their behalf.

The Agent will be the first point of contact for all communications with the Council/Building Consent Authority regarding this application under Section 45 and if authorised, the application for a Code Compliance Certificate under Section 92 of the Building Act 2004. They will receive all correspondence and must be authorised by the Owner - see page 7. All amendments require new authorisation.

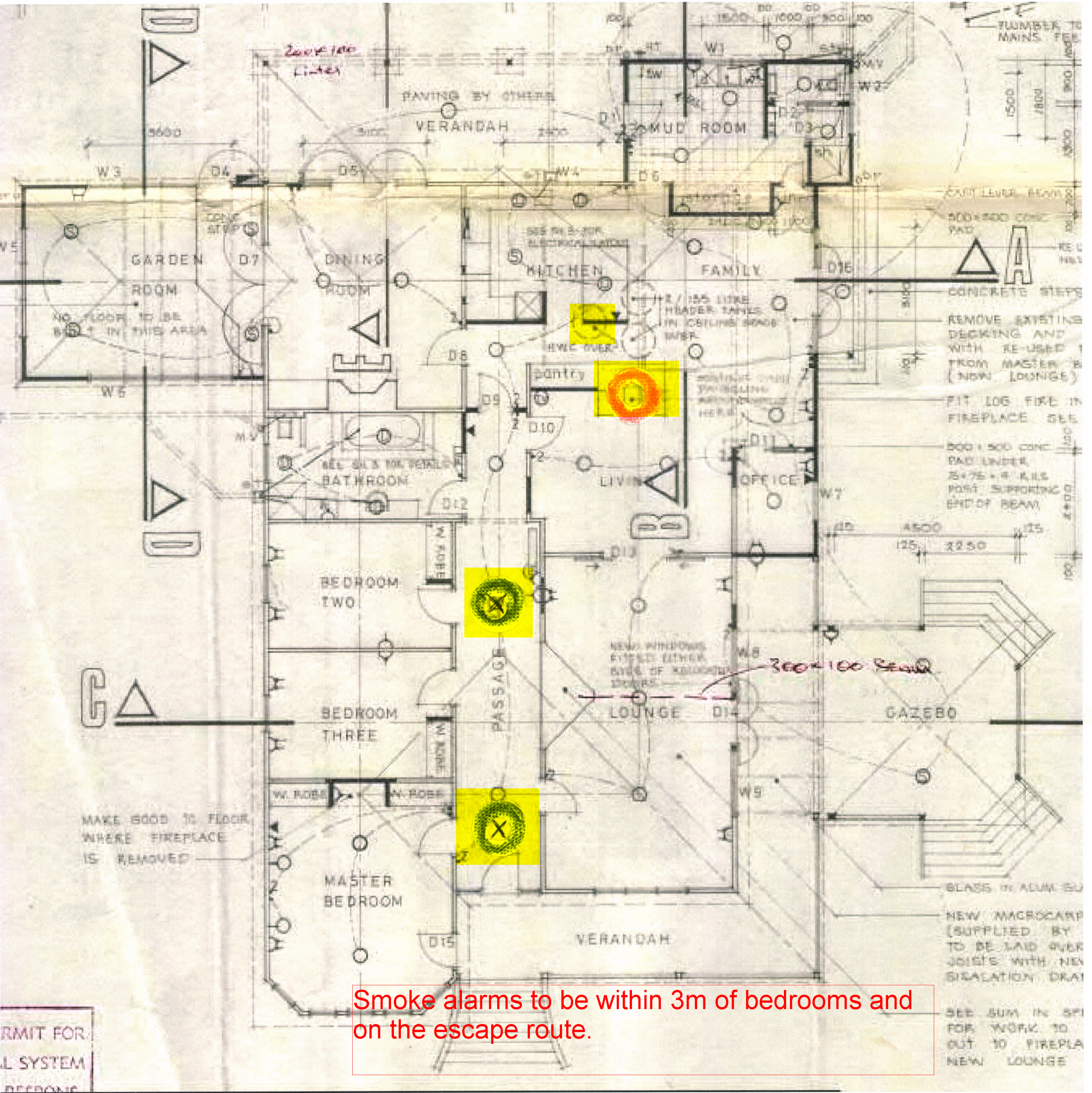


# **SECTION 2**

## **Specifications & Plans**

- **Floorplan/s**
- **Heating Unit Specifications**
- **Wetback details** (if applicable)
- **Flue Specifications**
- **Flashings**





-  — SOLID FUEL HEATER
-  — SMOKE ALARMS

Smoke detectors are required.  
The smoke detector must comply  
with Section 3F7 of NZBC

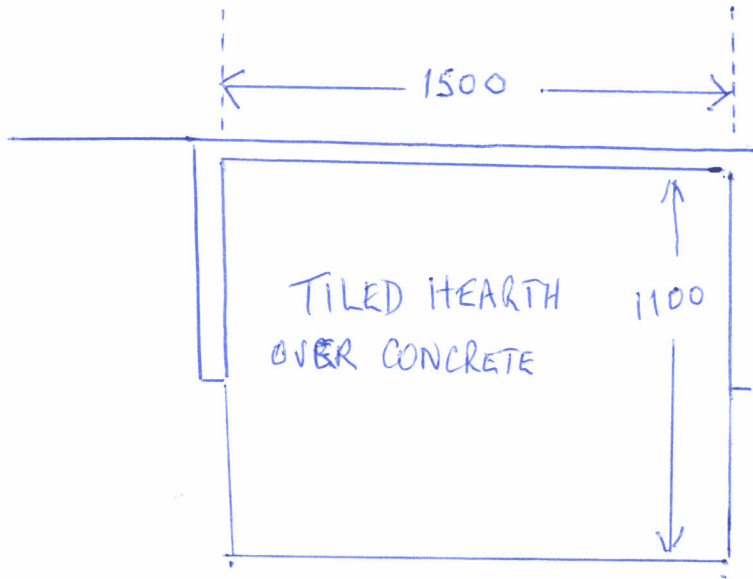
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# EXISTING PURPOSE MADE ALCOVE

Consent Issued BC171402

BC171402



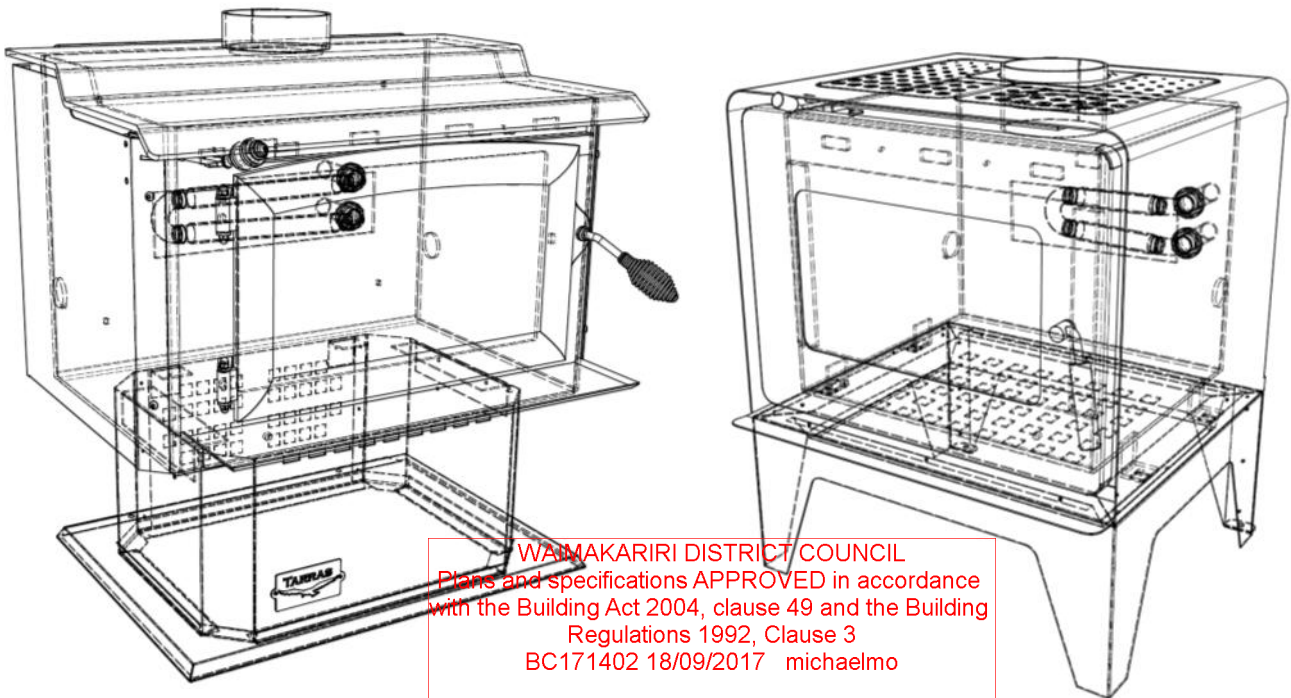
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# WOODSMAN

Warming kiwi homes since 1887.

## Specifications and Installation Instructions for Woodsman Solid Fuel Burners



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**The installation of any Woodsman solid fuel burner requires a Building Consent prior to installation commencing. We recommend the installation of a Woodsman solid fuel burner or flue system be undertaken by the holder of a current SFAIT (Solid Fuel Appliance Installation Technician) qualification issued by the NZHHA (NZ Home Heating Association Inc.).**

[www.nzhha.co.nz](http://www.nzhha.co.nz)

Proudly Manufactured By:



Harris Home Fires  
41 Braddon St  
Addington  
Christchurch 8024  
New Zealand  
Email [sales@hhf.co.nz](mailto:sales@hhf.co.nz)

P O Box 4043  
Christchurch 8140  
New Zealand

**Phone** 03 366 1796  
**Freephone** 0800 3661796  
**Fax** 03 366 1795



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# Testing and Certification

| MODEL           | AS/NZS<br>2918:2001,<br>APP B | AS/NZ<br>2918:2001,<br>APP E | AS/NZS<br>4012:1999 | AS/NZS<br>4013:1999 | ECan Cert<br>Number |
|-----------------|-------------------------------|------------------------------|---------------------|---------------------|---------------------|
| ECR NoVo        | Complies                      | N/A                          | 67%                 | 0.9g/kg             | 153733              |
| ECR NoVo Wet    | Complies                      | N/A                          | 65%                 | 0.9g/kg             | 155148              |
| Totara          | Complies                      | Complies                     | 67%                 | 0.9g/kg             | 110220              |
| Matai ECR MkIII | Complies                      | N/A                          | 71%                 | 0.7g/kg             | 102148              |
| Matai ECR MkV   | Complies                      | N/A                          | 65%                 | 0.7g/kg             | 102454              |
| IMF             | Complies                      | Complies                     | N/A                 | 3.9g/kg             | N/A                 |
| Flare - Wood    | Complies                      | N/A                          | 68%                 | 0.97g/kg            | 134775              |
| Flare - Wood WB | Complies                      | N/A                          | 65%                 | 0.89g/kg            | 135021              |
| Flare - Multi   | Complies                      | N/A                          | N/A                 | N/A                 | N/A                 |
| RMF             | Complies                      | N/A                          | 83%                 | 3.9g/kg             | N/A                 |
| Strongman       | Complies                      | N/A                          | N/A                 | N/A                 | N/A                 |
| Aspen           | Complies                      | N/A                          | 71%                 | 0.5g/kg             | 111306              |
| Aspen WB        | Complies                      | N/A                          | 65%                 | 0.5g/kg             | 111307              |
| Brunner MKII    | Complies                      | N/A                          | 71%                 | 0.5g/kg             | 142896              |
| Brunner MKII WB | Complies                      | N/A                          | 65%                 | 0.5g/kg             | 142897              |
| Tasman MKII     | Complies                      | N/A                          | 71%                 | 0.5g/kg             | 142898              |
| Tasman MKII WB  | Complies                      | N/A                          | 65%                 | 0.5g/kg             | 142899              |
| Tarras MKIII    | Complies                      | N/A                          | 69%                 | 0.37g/kg            | 143492              |
| Tarras MKIII WB | Complies                      | N/A                          | 65%                 | 0.5g/kg             | 143494              |

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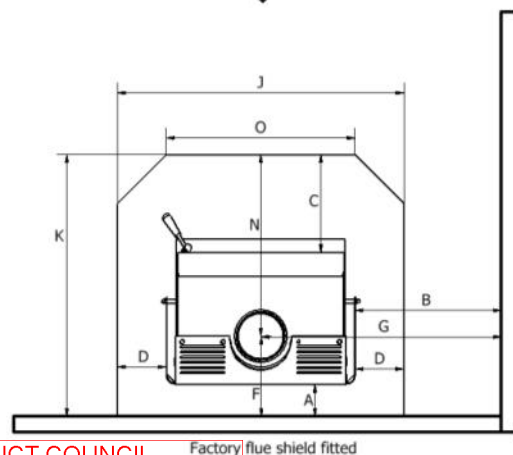
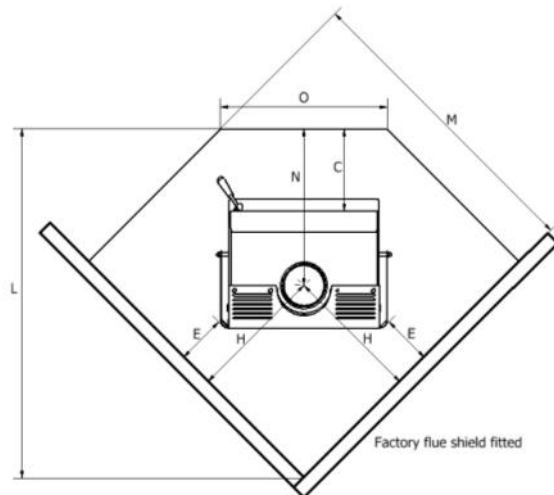


# Minimum Safe Installation Clearances to COMBUSTIBLE Materials

Consent Issued BC171402

|                                       | BRUNNER MKII & TASMAN MKII             | BRUNNER MKII & TASMAN MKII With Rear Deflector Fitted (see Page 7) | FLARE-WOOD                             | FLARE-MULTI                            | TARRAS MKIII                           | TARRAS MKIII With Rear Deflector Fitted (see Page 7) |
|---------------------------------------|----------------------------------------|--------------------------------------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|------------------------------------------------------|
| A                                     | 200                                    | 120                                                                | 100                                    | 100                                    | 230                                    | 160                                                  |
| B                                     | 450                                    | 450                                                                | 320                                    | 350                                    | 480                                    | 460                                                  |
| C                                     | 300                                    | 300                                                                | 300                                    | 300                                    | 300                                    | 300                                                  |
| D                                     | 118                                    | 118                                                                | 110                                    | 110                                    | 67                                     | 67                                                   |
| E                                     | 230                                    | 240                                                                | 120                                    | 150                                    | 250                                    | 220                                                  |
| F                                     | 345                                    | 265                                                                | 281                                    | 281                                    | 372                                    | 302                                                  |
| G                                     | 758                                    | 758                                                                | 635                                    | 665                                    | 863                                    | 843                                                  |
| H                                     | 535                                    | 545                                                                | 449                                    | 479                                    | 611                                    | 581                                                  |
| J                                     | 850                                    | 850                                                                | 850                                    | 850                                    | 898                                    | 898                                                  |
| K                                     | 1025                                   | 945                                                                | 933                                    | 933                                    | 1052                                   | 982                                                  |
| L                                     | 1437                                   | 1451                                                               | 1287                                   | 1329                                   | 1544                                   | 1500                                                 |
| M                                     | 1220                                   | 1230                                                               | 1122                                   | 1152                                   | 1304                                   | 1274                                                 |
| N                                     | 680                                    | 680                                                                | 652                                    | 652                                    | 680                                    | 680                                                  |
| O                                     | 615                                    | 615                                                                | 600                                    | 600                                    | 600                                    | 600                                                  |
| Flue Shield Requirements (See Page 6) | 1200 With flue shield deflector fitted | 1200 With flue shield deflector fitted                             | 1200 With flue shield deflector fitted | 1200 With flue shield deflector fitted | 1200 With flue shield deflector fitted | 1200 With flue shield deflector fitted               |

|                                       | ECR MkIII, MkIV, MkV | ECR NoVo With Rear Deflector Fitted (see Page 7) | ASPEN | RMF  | STRONGMAN |
|---------------------------------------|----------------------|--------------------------------------------------|-------|------|-----------|
| A                                     | 100                  | 110                                              | 255   | 125  | 300       |
| B                                     | 400                  | 490                                              | 435   | 500  | 875*      |
| C                                     | 300                  | 300                                              | 300   | 300  | GRAPH 1   |
| D                                     | 150                  | 115                                              | 118   | 150  | 150       |
| E                                     | 200                  | 200                                              | 230   | 180  | 380       |
| F                                     | 251                  | 265                                              | 404   | 276  | 441       |
| G                                     | 690                  | 800                                              | 743   | 790  | 1233**    |
| H                                     | 512                  | 517                                              | 521   | 492  | 711       |
| J                                     | 880                  | 850                                              | 850   | 880  | 1015      |
| K                                     | 807                  | 792                                              | 1084  | 832  | 1364      |
| L                                     | 1280                 | 1259                                             | 1417  | 1252 | 1928      |
| M                                     | 1110                 | 1049                                             | 1219  | 1060 | 1616      |
| N                                     | 556                  | 527                                              | 680   | 556  | 923       |
| O                                     | 580                  | 450                                              | 615   | 580  | 715       |
| Flue Shield Requirements (See Page 6) | 900                  | 1200                                             | 1200  | 900  | 1200      |

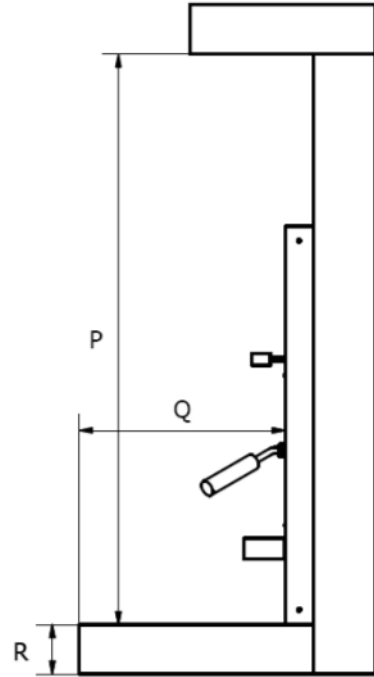
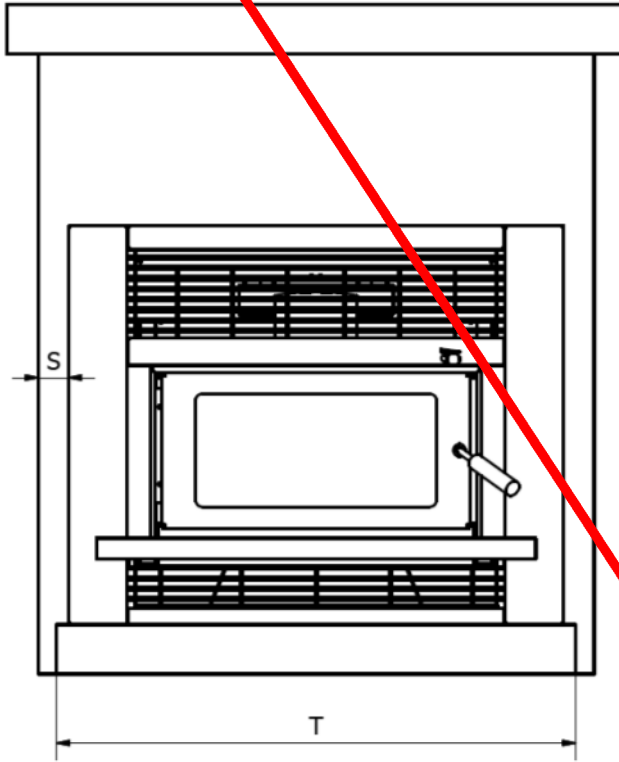


Dimensions **A, B & E** are taken from the combustible wall to the closest point of the appliance including panels  
 Dimension **C** is measured from the edge of the hearth to the closest point of the firebox door frame as in AS/NZS 2918:2001/F3.2

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 BC171402 18/09/2017 michaelmo

All dimensions are given in millimetres .  
 \*610mm with firebox side panels fitted.  
 \*\*968mm with firebox side panels fitted.

# Minimum Safe Installation Clearances to COMBUSTIBLE Materials



|   | IMF     | Totara  |
|---|---------|---------|
| P | 980     | 1060*   |
| Q | Graph 1 | Graph 1 |
| R | Graph 1 | Graph 1 |
| S | 50      | 50      |
| T | 840     | 840     |

\* Dimension P can be 920mm with a factory supplied heat deflector fitted



## Ceiling Heights

All Woodsman free standing fires have been tested and approved to ASNZ 2918:2001 App B with a ceiling height of 2.4m and with the factory flue shield fitted in the below configurations. In some cases, the top of the flue shield terminates within 600mm of the ceiling height (refer to ASNZ 2918:2001 **4.5.2**) but all ceiling temperatures did not exceed the allowable limit in these cases and are therefore able to be installed. Reports are available on request for Councils.

If the ceiling height is less than 2.4m, then heat shielding is required as per AS/NZ 2918:2001 Table 3.2

## Factory Flue Shields

### Standard 900mm high flue shield:

ECR MKIII, ECR MKV & RMF

### Standard 1200mm high flue shield:

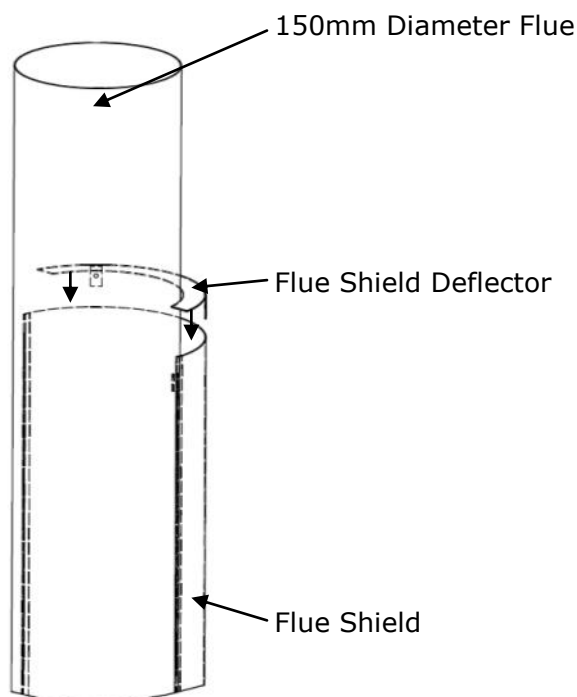
Brunner, Tasman, Aspen, ECR NoVo & Strongman

### 1200mm high flue shield with flue shield deflector (REQUIRED)

Tarras MKII, Tarras MKIII, Brunner/Tasman MKII & Flare (All Variants) - See Below

\*IMPORTANT - Flue shields should be no further than 10mm off the top of the fire box\*

## Fitting the Flue Shield Deflector for Tarras MKII, Tarras MKIII, Brunner/Tasman MKII and Flare (All Variants)



### To fit the heat shield deflector:

- Place the deflector on top of the heat shield and ensure no large gaps
- Fix in place by securing the tabs with rivets to the heat shield

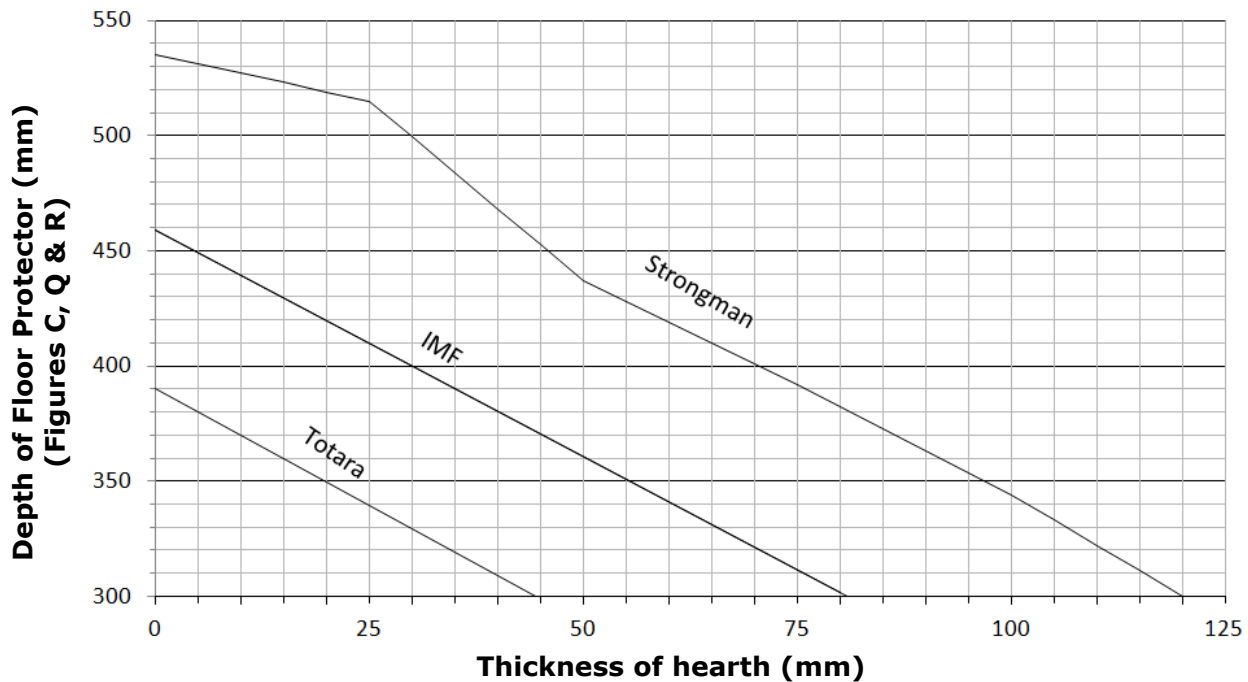
### WARNING

This part is required to be installed on the listed models with ALL types of flue kits. Failure to do so, may cause the ceiling to over heat. The part is located in the fire itself and not the flue kit packaging.

# Floor Protector Graph

**Graph 1**

**Floor Protector Sizes**



This graph refers to Page 4 dimension C and Page 5 dimension Q & R.

The floor protector distance out in front of the fire (taken from the door), is dependent on the thickness of the floor protector. The thicker the floor protector is above the surrounding combustible floor, the less this distance is out in front of the fire.

## Rear Deflector

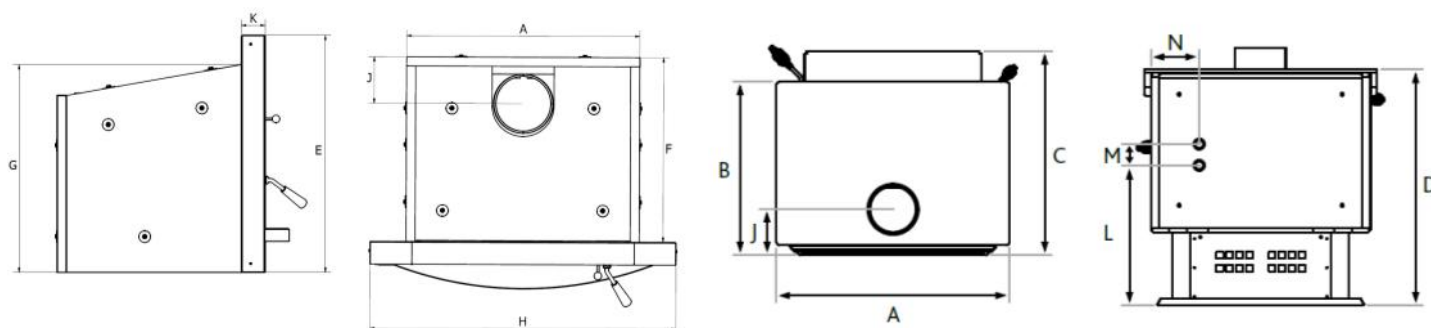
The rear deflector is used for reducing rear clearances for applicable fires (see page 4 for details). It is located loose in the firebox.

To fit the rear deflector, simply attach it to the rear shield of the fire using 2 rivets in the predrilled holes.

The rear deflector should be positioned tight up against the flue shield as shown.

Available for:  
Brunner MKII, Tasman MKII, ECR NoVo  
& Tarras MKIII

# Dimensions



|          |                                   | TOTARA | ECR<br>MKIII, V | ECR<br>NoVo | BRUNNER<br>MKII &<br>TASMAN<br>MKII | ASPEN | TARRAS<br>MKIII | FLARE<br>WOOD | FLARE<br>MULTI | RMF | STRONG-<br>MAN | IMF<br>Deluxe |
|----------|-----------------------------------|--------|-----------------|-------------|-------------------------------------|-------|-----------------|---------------|----------------|-----|----------------|---------------|
| <b>A</b> | Overall Stove Width               | 642    | 580             | 620         | 615                                 | 615   | 765             | 630           | 630            | 580 | 715            | 590           |
| <b>B</b> | Stove Depth Door Frame to Rear    |        | 390             | 382         | 525                                 | 520   | 522             | 540           | 540            | 390 | 521            |               |
| <b>C</b> | Overall Stove Depth Ledge to rear |        | 450             | 466         | 630                                 | 633   | 640             | 602           | 602            | 450 | 590            |               |
| <b>D</b> | Overall Stove Height              |        | 620             | 705         | 757                                 | 730   | 772             | 764           | 764            | 620 | 695            |               |
| <b>E</b> | Insert Fascia Height              | 650    |                 |             |                                     |       |                 |               |                |     |                | 740           |
| <b>F</b> | Insert Depth                      | 506    |                 |             |                                     |       |                 |               |                |     |                | 480           |
| <b>G</b> | Insert Maximum Height             | 570    |                 |             |                                     |       |                 |               |                |     |                | 590           |
| <b>H</b> | Insert Fascia Width               | 840    |                 |             |                                     |       |                 |               |                |     |                | 850           |
| <b>J</b> | Flue Centre to Back of Unit       | 136    | 150             | 155         | 145                                 | 149   | 142             | 181           | 181            | 150 | 141            | 115           |
| <b>K</b> | Insert Fascia Depth               | 62     |                 |             |                                     |       |                 |               |                |     |                | 120/6<br>5    |
| <b>L</b> | Wetback Height                    |        | 283             | 414         | 478                                 | 450   | 479             | 502           | 502            |     |                |               |
| <b>M</b> | Wetback Centres                   |        | 130             | 65          | 65                                  | 65    | 65              | 65            | 65             |     |                |               |
| <b>N</b> | Wetback Position                  |        | 290             | 108         | 107                                 | 106   | 180             | 133           | 133            |     |                |               |

## Disclaimer;

While every attempt is made to ensure this information is as accurate as possible, a tolerance of +/- 5mm should be allowed for in these dimensions

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# Reducing Clearances

The clearances that are provided on page 4 are to combustible materials. You can safely reduce those clearances by following the instructions located in AS/NZS 2918:2001 table 3.1 and 3.2

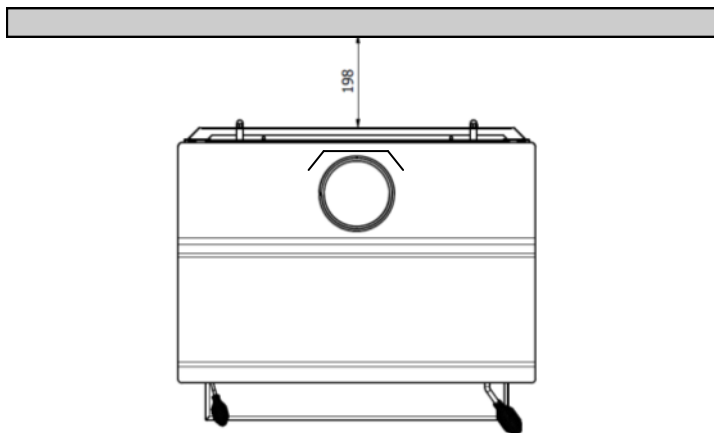
You can reduce the clearances by placing a non-combustible heat shield, with an air gap behind it and vented top and bottom, between the fire and the combustible wall. Masonry may be used as a heat shield material. The heat shield must extend a minimum of **450mm** beyond the top of the appliance and must be of appropriate width to ensure that the unshielded rear clearance is adhered to beyond the sides of the heat shield. See example below.

## Clearance factors for heat shields which are within 45 degrees of the vertical

| Heat Shield Construction                 | Minimum Air Gap Dimension | Clearance Factor |
|------------------------------------------|---------------------------|------------------|
| Single layer of continuous material      | 12mm                      | 0.4              |
| Single layer of continuous material      | 25mm                      | 0.3              |
| Two spaced layers of continuous material | 12mm + 12mm               | 0.2              |

A non-combustible material in direct contact with a combustible material, with no air gap, is **NOT** considered a heat shield (unless the material has been tested in accordance with AS/NZS 2918:2001 Appendix A).

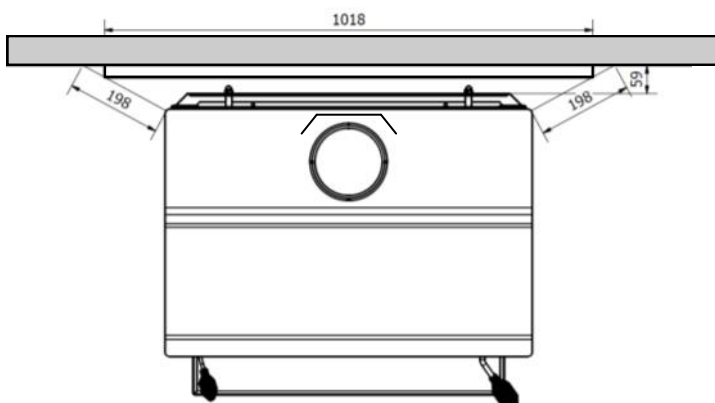
All clearance dimensions are taken from the combustible material to the appliance, ignoring the non-combustible in-between.



Unshielded Dimension for  
Woodsman Tarras MKII

Rear Clearance - 198mm (combustible to stove)

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Heat shield with 25mm air gap with  
Woodsman Tarras MKII

**Heat Shield** - Single layer of continuous material with 25mm air gap.  
Size 1018mm wide x 1222mm high

Reduced Rear Clearance - 59mm  
(combustible to stove)

Calculation: **198mm x 0.3 = 59mm**

**WARNING** - This is only an example, you must refer to the full AS/NZS 2918:2001 document for more details and consult your local building inspector. Where heat shields are used to reduce appliance dimensions, additional flue shielding may be required (refer 4.5.2).

# Installation Instructions

**This appliance should only be installed by a trained and NZHHA qualified installer.**

**Warning:** the appliance and flue system shall be installed in accordance with AS/NZS 2918 and the appropriate requirements of relevant building code/codes.

**Warning:** appliances installed in accordance with this standard shall comply with the requirements of AS/NZS 4013 where required by the regulatory authority, i.e. the appliance shall be identifiable by a compliance plate with the marking "Tested to AS/NZS 4013".

Any modification of the appliance that has not been approved in writing by the testing authority is considered to be in breach of the approval granted for compliance with AS/NZS 4013.

**Caution:** mixing of appliance or flue system components from different sources or modifying the dimensional specification of components may result in hazardous conditions. Where such action is considered, the manufacturer should be consulted in the first instance.

**Caution:** cracked and broken components e.g. glass panels or ceramic tiles, may render the installation unsafe.

- Maintain a clearance of at least 1 metre between front of the appliance and building structure or any other substantial immovable object.
- If the appliance is installed on a heat sensitive floor, the floor should be protected with an insulation floor protector, which shall extend entirely beneath the heater. For the correct floor protector extension, refer to dimension C in FIG 1 & 2.
- Your appliance shall be seismically restrained, including the floor protector using the provided holes or brackets. The restraints should be sufficient enough to resist a seismic loading equal to 0.4 times the mass of the appliance. We recommend a minimum of 8mm dynabolts on concrete floors and 8mm coach screws for wooden floors of appropriate length.

## Minimum Material Specifications For Floor Protectors on a Floor of Combustible Material

| MODEL                                                        | SPECIFICATION                                                         |
|--------------------------------------------------------------|-----------------------------------------------------------------------|
| ASPEN                                                        | 9mm Eterpan LD + 8mm ceramic tiles (or equivalent)                    |
| FLARE (All Variants)<br>ECR (MkIII, IV, V)<br>RMF<br>TOTARA* | 8mm ceramic tiles only (or equivalent)                                |
| STRONGMAN                                                    | 24mm Eterpan LD (or equivalent)                                       |
| BRUNNER MKII<br>TASMAN MKII<br>TARRAS MKIII<br>ECR NoVo      | Ash Floor Protector.<br>Any non-combustible material of any thickness |

\*The Totara is also approved with 1mm sheet steel with a 10mm spacing above combustible material. For use when extending hearths.

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# Minimum Flue Height

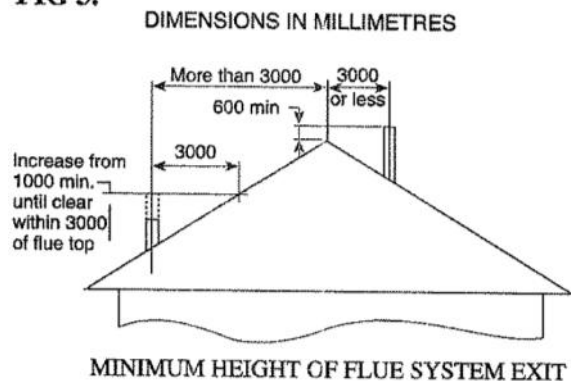
The top of the flue system should be at least 600mm above the highest point of the roof ridgeline, if the point of intersection of the flue system and the roofline is less than 3 metres from the ridgeline horizontally.

If the point of intersection of the flue system and the roofline is greater than 3 metres horizontally, the top of the flue system shall be at least 1 metre above the point of intersection with the roofline. (refer FIG 3)

**The total flue height should be no less than 4.6m from the level of the hearth.**

These are considered to be **minimum dimensions**, and depending on local conditions, **taller flue system heights may be required for satisfactory performance.**

FIG 3.



# Flue Installation Detail

Your Woodsman appliance should be installed with a HeatSaver Flue System.

A HeatSaver Flue System is available from all authorised Woodsman dealers throughout New Zealand.

The HeatSaver Flue System contains a complete installation drawing and correct clearances from the ceiling level up. Minimum clearances from the appliance to nearby combustible surfaces are given in FIGS 1 & 2.

Use of a flue system other than a genuine HeatSaver Flue System may affect the safety of the installation, and may affect your Woodsman warranty.

**Insist on a genuine HeatSaver Flue System.**

**Installation requirements for Woodsman fireplace inserts and flue system where timber framing is less than 50mm from the chimney structure.**

Installation should be carried out by a qualified installer who will ensure:

- That the minimum clearances determined by tests in accordance with AS/NZS 2918:2001 are complied with to prevent overheating of nearby combustibles.
- That the minimum opening size of **600mm wide x 600mm high x 500mm deep** is available when firebricks are removed, and that extra provision also be made for plumbing where a hot water booster is fitted (where permitted).
- That any flue requirements specific to the model being installed are met in full - refer HeatSaver Flue System Instructions.
- Where the fireplace opening is in a heat sensitive wall, a non-metallic heat resistant material shall extend not less than 50mm beyond each side of the appliance and 150mm beyond the top of the appliance.
- Clearance of at least 1 metre between the front of the appliance and building structure, or any other substantial material object.
- That the insulating floor protector of non-combustible material is provided extending not less than the dimensions shown in the chart. (Refer Table 2)
- A fireplace appliance shall not be connected to a flue common with an open fireplace.

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# Sealing Flue Joints

## IMPORTANT

### All Flue Joints Are Required To Be Sealed Using Flue Cement

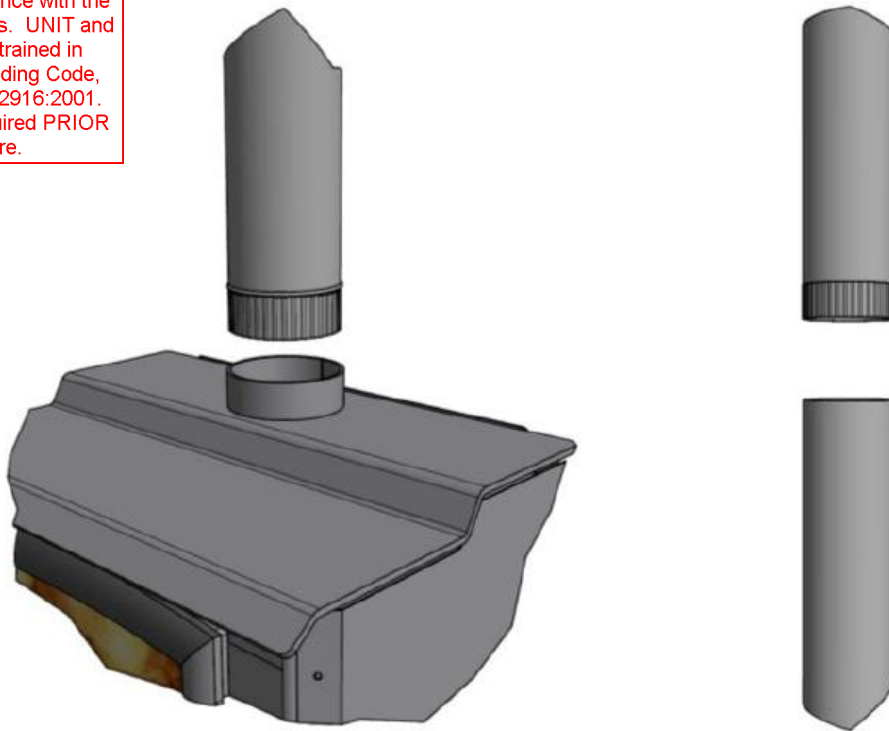
It is extremely important that ALL flue joints are sealed at the time of installation using flue cement or a suitable exhaust cement.

If flue joints are not sealed properly, it can lead to performance issues with the fire such as;

- Lower heat output of the fire, due to decreased performance
- Blocked flue
- Smoke coming out the door when open, due to decreased suction
- Hard to light

The formation of soot and creosote will not seal the flues, especially on the lower lengths, as the high temperatures inhibit its formation.

HEATING UNIT and FLUE to be installed in strict accordance with the manufacturers instructions. UNIT and HEARTH shall be restrained in accordance with the Building Code, clause B1 and AS/NZS 2916:2001. An INSPECTION is required PRIOR to lighting the fire.



Any issues that arise as a result of the flues not being sealed, are not covered by the warranty and are not the responsibility of the manufacturer.

It is the installers responsibility to ensure that this is done at the time of installation.

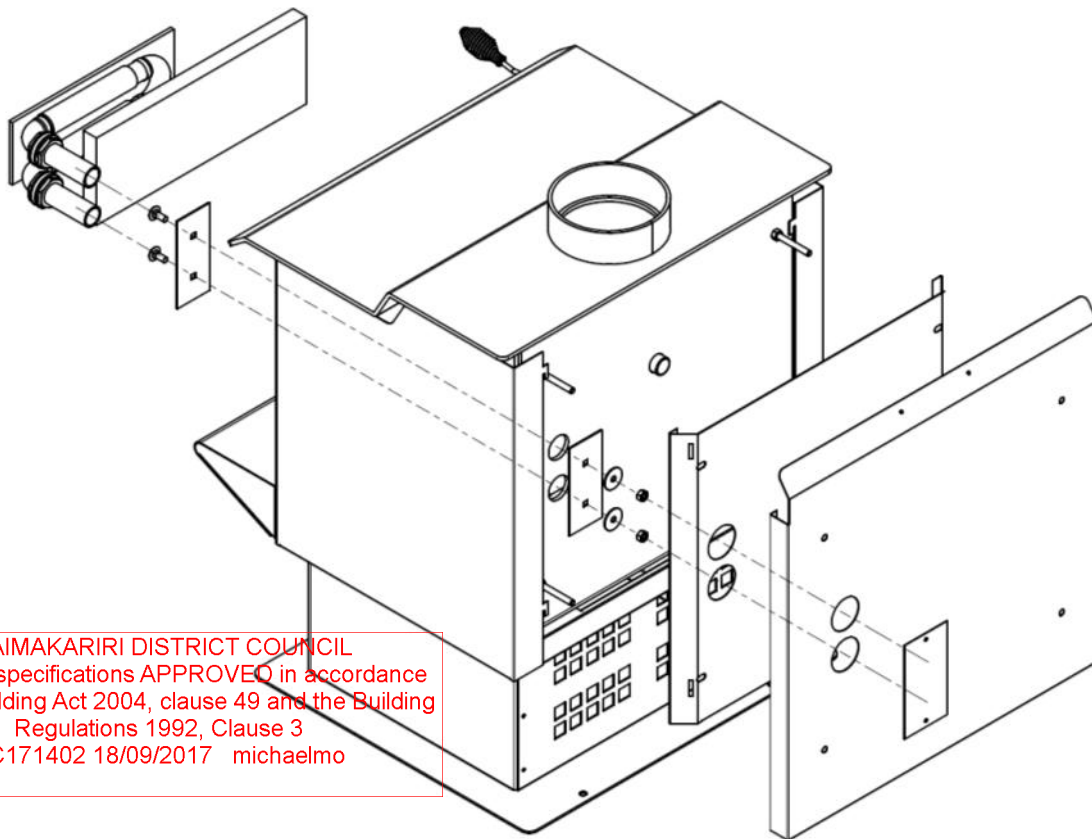
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# Fitting the Wetback To The Firebox

**Instructions for fitting a loose wetback to the firebox where the fire has been pre-punched with wetback holes.**

- Remove knock-outs and cover plates in the rear panels
- Remove top rear firebrick
- Undo coach bolts on firebox plug to expose wetback holes
- Cut rear firebrick with a saw only enough to expose the wetback holes on the inside and to allow for the placement of the wetback in front of the brick
- Remove 1 nut off each wetback tube
- Place wetback into fire with firebrick behind it
- Replace nuts onto the rear of the wetback. Ensure the wetback is level before tightening using a 40mm tube socket

*This task should be completed before the fire is positioned in place.*



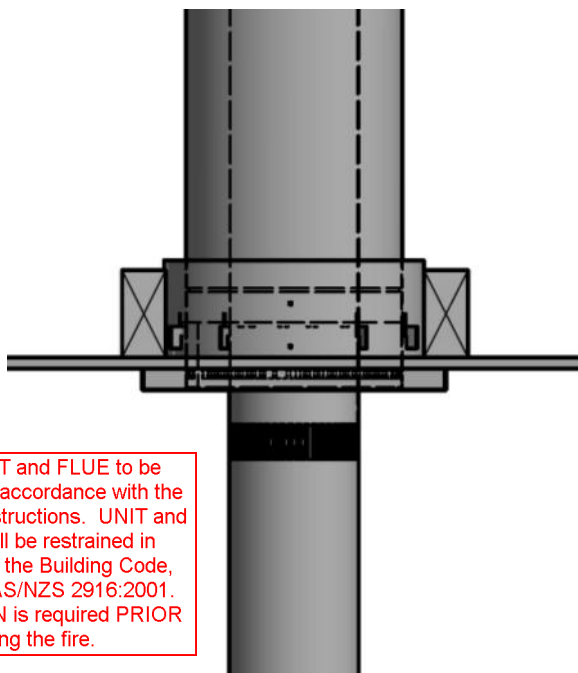
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**Note:** Rear panels do not need to be removed if a tube socket is used for tightening

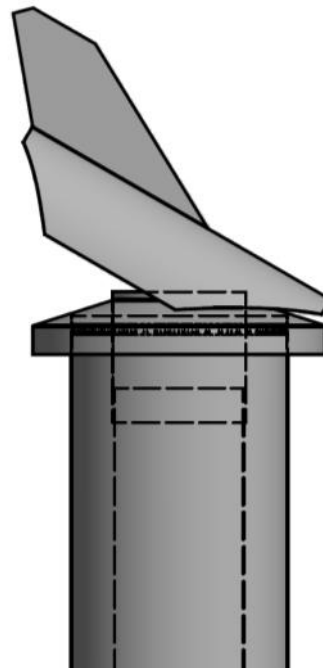
## **WETBACK WARNINGS:**

- Do not connect to an unvented hot water system.
- **NEVER** burn the appliance without the wetback connected to the water system. This will immediately damage the wetback and void the warranty.
- AS/NZS 2918:2001 states; "all water connections to an appliance shall be in accordance with the appropriate requirements of AS 3500.4.1 or NZS 4603 and the regulatory authority, as appropriate".

# HeatSaver Flue Kit Installation Instructions For Solid Fuel Appliances



HEATING UNIT and FLUE to be installed in strict accordance with the manufacturers instructions. UNIT and HEARTH shall be restrained in accordance with the Building Code, clause B1 and AS/NZS 2916:2001. An INSPECTION is required PRIOR to lighting the fire.



**KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE**

Proudly Manufactured By:



Harris Home Fires  
41 Braddon St  
Addington  
Christchurch 8024  
New Zealand  
Email [sales@hhf.co.nz](mailto:sales@hhf.co.nz)

P O Box 4043  
Christchurch 8140  
New Zealand

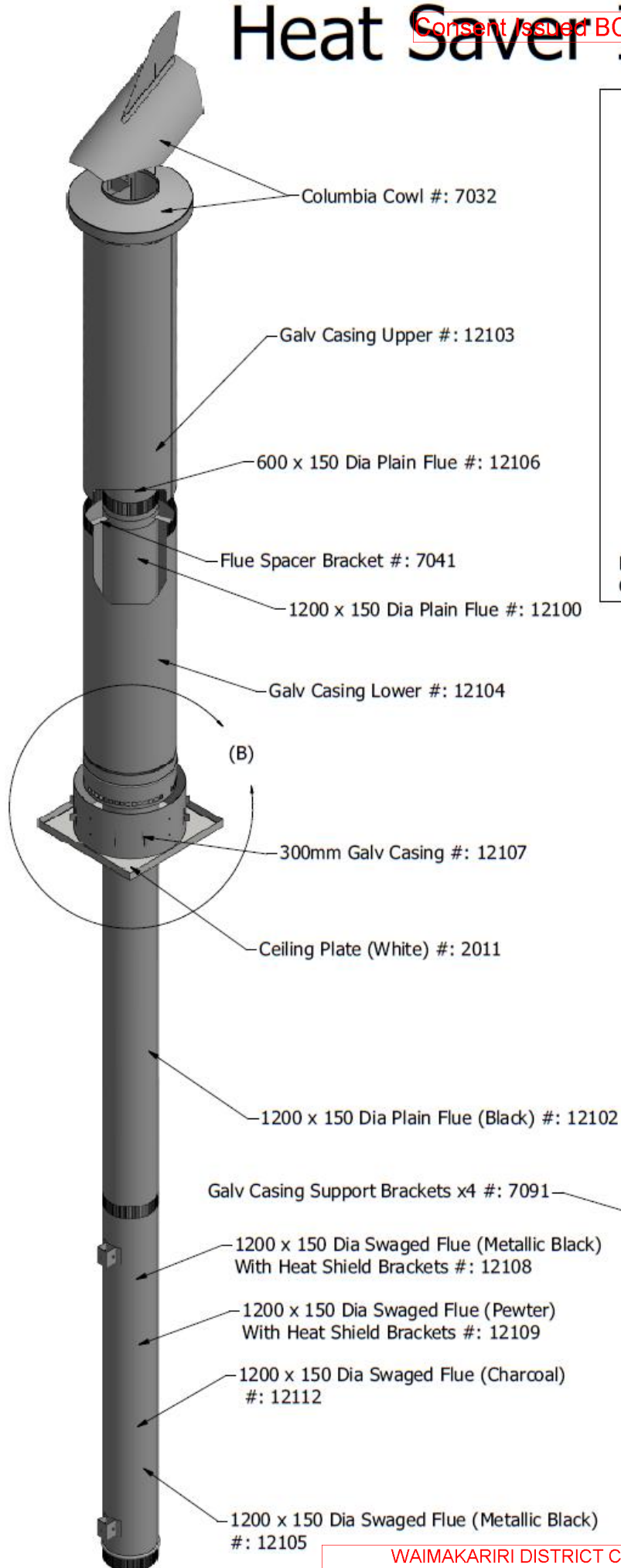
**Phone** 03 366 1796  
**Freephone** 0800 3661796  
**Fax** 03 366 1795

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# Heat Saver II Flue Kit

Consent Issued BC171402



## Extension Set

Galv Casing Extension  
#: 12101

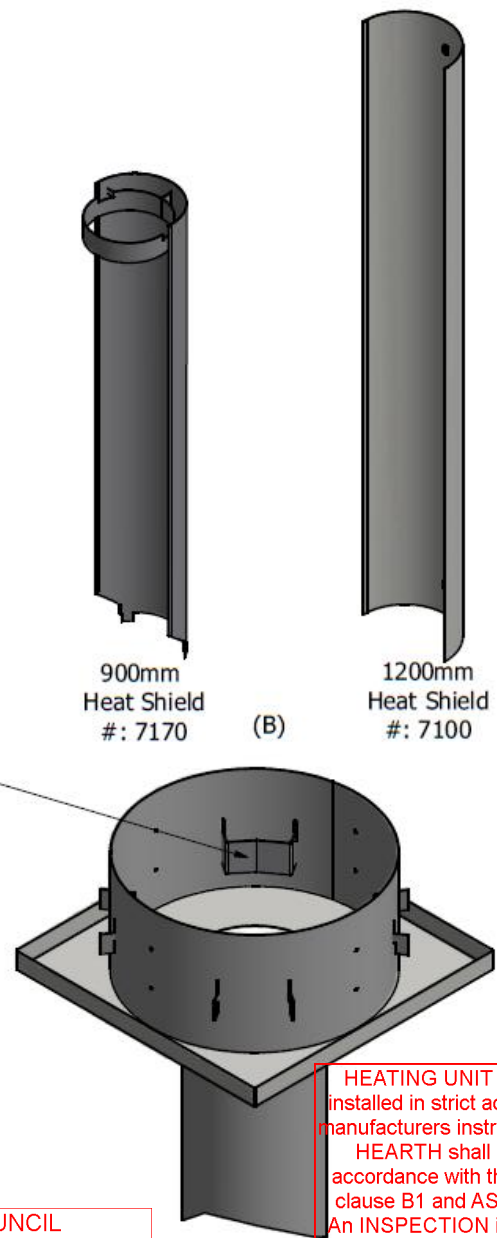
Plain Flue Extension  
#: 12100

## Internal Extensions

Metallic Black 1200 #: 12102

Charcoal 1200 #: 12111

Pewter 1200 #: 12110



HEATING UNIT and FLUE to be installed in strict accordance with the manufacturers instructions. UNIT and HEARTH shall be restrained in accordance with the Building Code, clause B1 and AS/NZS 2916:2001. An INSPECTION is required PRIOR to lighting the fire.

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# INSTALLATION INSTRUCTIONS

- This HeatSaver flue system is tested and certified to AS/NZS 2918:2001 Appendix F, which means it is approved for use on all solid fuel appliances with a flue diameter of 150mm.
- A copy of the Laboratory Test Certificate for this HeatSaver Flue System is included as part of these Installation Instructions, (refer to paperwork with flue kit).
- Installation of any solid fuel appliance should only be carried out by suitably trained and qualified personnel.
- Position the stove to the desired position, always ensuring that the manufacturer's minimum clearances to combustibles are complied with.
- Check that there are no roofline ridges or valleys in the way, or if they cannot be avoided, that the installer knows how to weatherproof the penetration and reinstate the full strength of the structure.
- At the ceiling level, construct a square frame of 300mm x 300mm internal dimensions and cut away the ceiling materials from the inside of this frame.
- Lower the 300mm flue pipe casing into this frame and nail in place when the bottom edge is 25mm below the ceiling level and the 8 nail holes provided are touching the timber frame.
- Check all 4 locating brackets are securely in place and drop 250mm diameter lower casing in place. This will naturally settle so it protrudes 25mm below the ceiling.
- Make roof penetration, assemble and fit required flue length and install with upper casing. Secure all joins with at least 3 stainless steel rivets or self tapping screws.
- Frame and brace upper installation as required and flash the roof to shield penetration.
- Fit ceiling plate to ceiling.
- When trimming the stainless steel flue length, remember to allow for expansion when flue is hot.
- Fix HeatSaver Columbia Cowl in place.
- Secure the flue to the fire, drill through flue neck on fire and secure with 2 to 3 s/s screws or rivets.
- **All flue joints should be sealed using a flue cement. (see page 4)**

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HEATING UNIT and FLUE to be  
installed in strict accordance with the  
manufacturers instructions. UNIT and  
HEARTH shall be restrained in  
accordance with the Building Code,  
clause B1 and AS/NZS 2916:2001.  
An INSPECTION is required PRIOR  
to lighting the fire.

## **IMPORTANT**

### **All Flue Joints Are Required To Be Sealed Using Flue Cement**

It is extremely important that ALL flue joints are sealed at the time of installation using flue cement or a suitable exhaust cement.

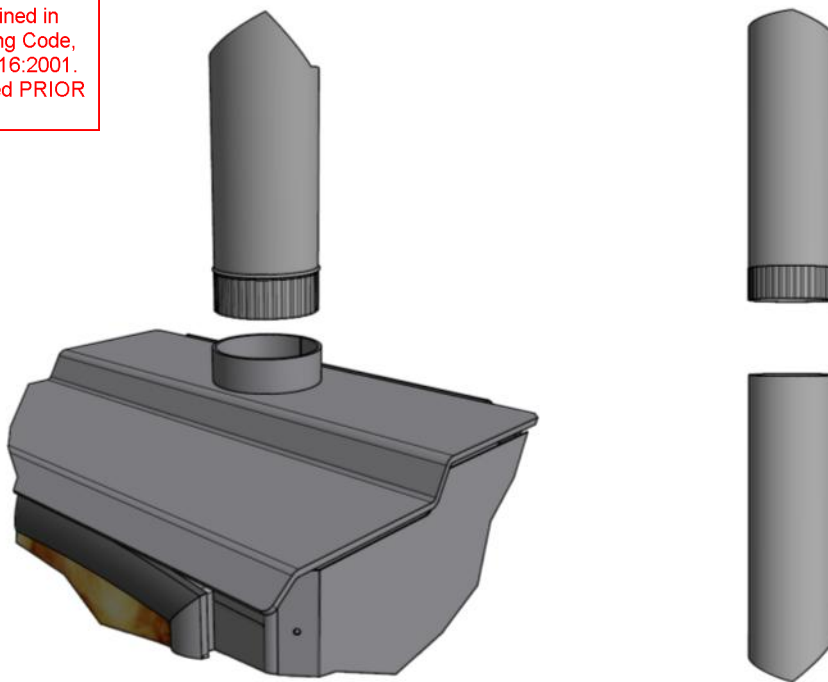
Woodsman fires are designed and tested with all flue joints sealed.

If flue joints are not sealed properly, it can lead to performance issues with the fire such as;

- Lower heat output of the fire, due to decreased performance
- Blocked flue
- Smoke coming out the door when open, due to decreased suction
- Hard to light

The formation of soot and creosote will not seal the flues, especially on the lower lengths, as the high temperatures inhibit its formation.

HEATING UNIT and FLUE to be installed in strict accordance with the manufacturers instructions. UNIT and HEARTH shall be restrained in accordance with the Building Code, clause B1 and AS/NZS 2916:2001. An INSPECTION is required PRIOR to lighting the fire.



Any issues that arise as a result of the flues not being sealed, are not covered by the warranty and are not the responsibility of the manufacturer.

It is the installer's responsibility to ensure that this is done at the time of installation.

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# Fitting Factory Flue Shields

Your HeatSaver Flue System comes standard with a factory flue shield of one of 2 types;

- **900mm high**, contains 1 x painted metal strap. This is used for the Woodsman ECR, Blaze, Boston, Manhattan, RMF and Milford.
- **1200mm high**, This is suitable for the Woodsman Brunner, Tasman, Aspen, Tar-ras, Strongman and other branded fires which can use 1200mm high single heat shields.

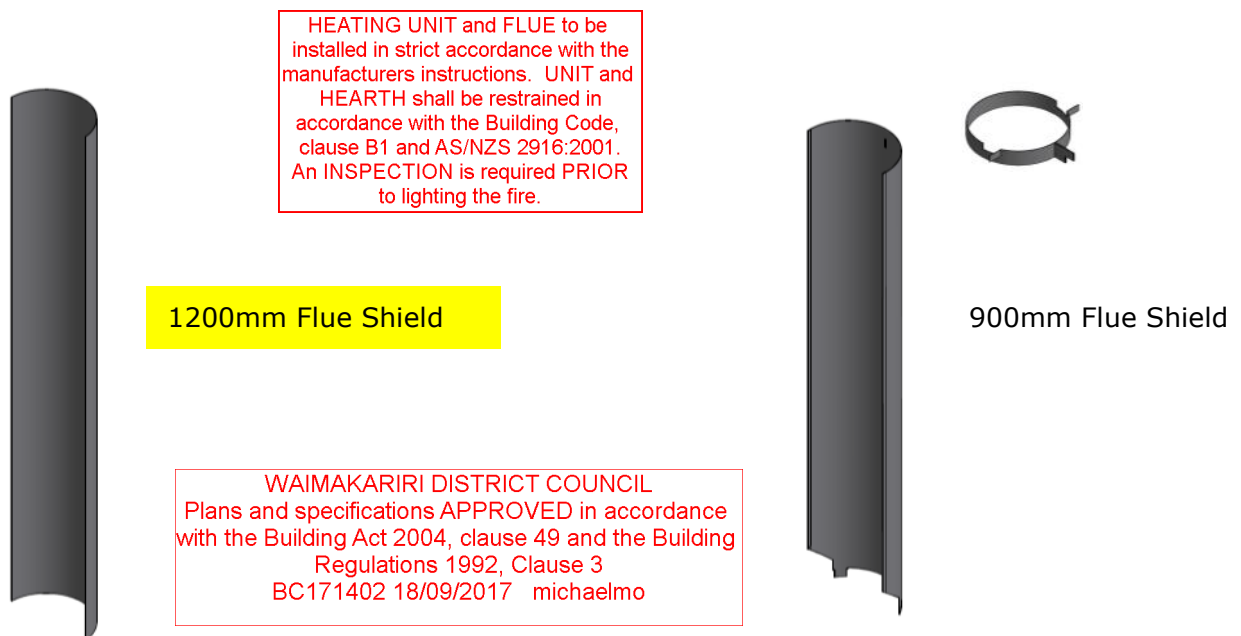
## Fitting the 900mm High Flue Shield

1. The heat shield has 2 'tabs' at the bottom which corresponds to 2 slots on the fire behind the flue neck. Insert the tabs.
2. Take the metal strap and fold the two ends around the flue until the meet at the back of the flue at about the height of the top of the heat shield.
3. Hold both ends together and push the tabs through the single slot at the back of the heat shield and fold out tabs to secure in place.

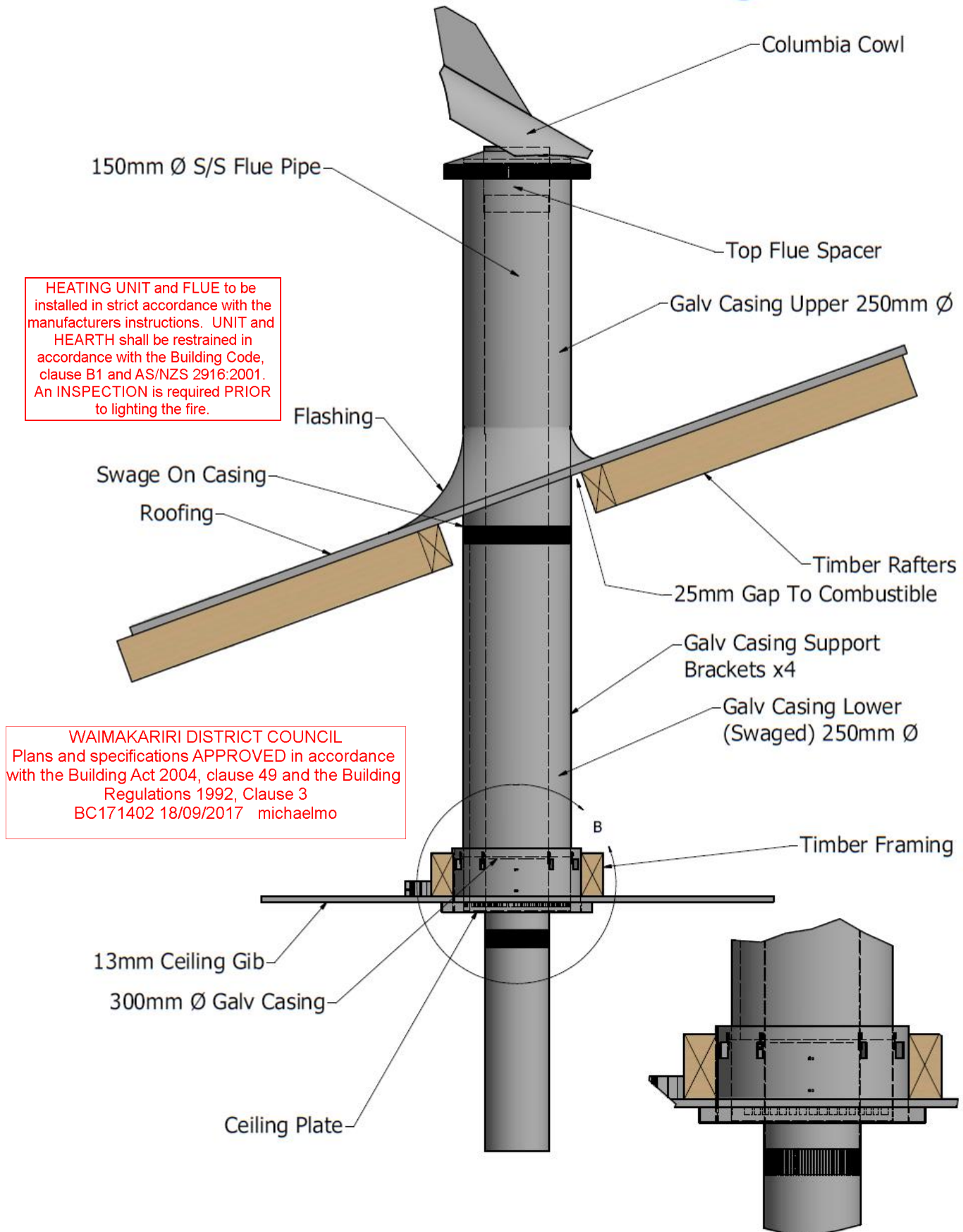
## Fitting the 1200mm high heat shield

Your lower length of painted flue already has 2 location brackets attached.

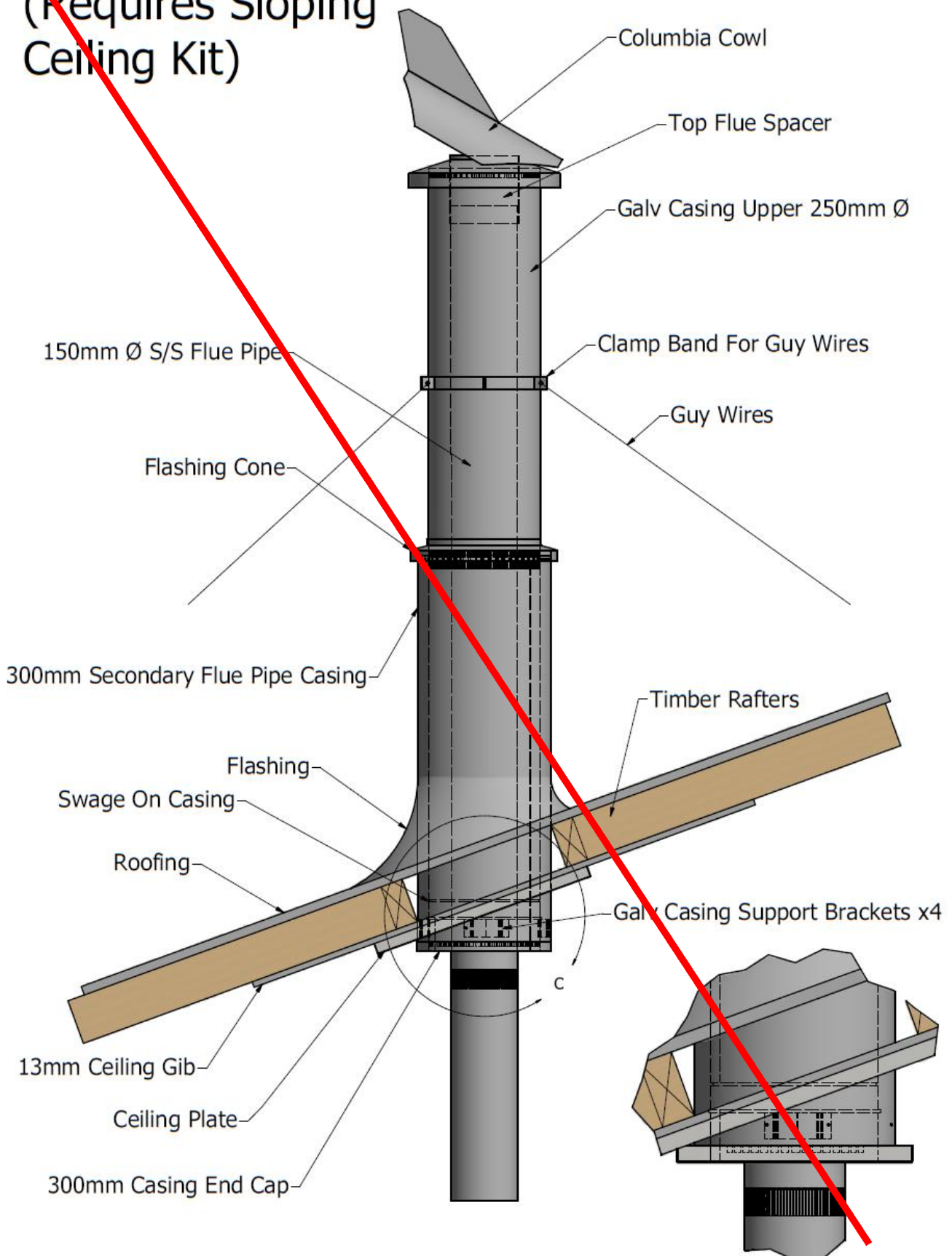
1. Ensure these brackets are facing towards the back wall and centralised.
2. Secure the flue shield in place with screws



# Standard Ceiling



**No Cavity  
(Requires Sloping  
Ceiling Kit)**





Report 09/1943

January 27th, 2009

Page 1/1

**Customer:** W.H. Harris Ltd.  
41 Braddon St.  
P.O. Box 4043  
CHRISTCHURCH

P701/1

COPY

Accreditation

Laboratory Registration Number 395

This laboratory is accredited by International Accreditation New Zealand (IANZ). The tests reported herein have been performed in accordance with the terms of our accreditation. This accreditation does not extend to any opinions or any interpretations of test results contained in this report.



IANZ has a Mutual Recognition Arrangement (MRA) with the National Association of Testing Authorities (NATA), Australia, such that both organizations recognize accreditations by IANZ and NATA as being equivalent. Users of test reports are recommended to accept test reports in the name of either accrediting body.

Compliance Certificate

**Appliance:** HeatSaver 150 mm Diameter Flue Kit  
**Test Standard:** AS/NZS2918:2001 Appendix F  
**Full Report:** 02/749R

HEATING UNIT and FLUE to be installed in strict accordance with the manufacturers instructions. UNIT and HEARTH shall be restrained in accordance with the Building Code, clause B1 and AS/NZS 2916:2001. An INSPECTION is required PRIOR to lighting the fire.

(The full report contains the information on the test methods, details of the appliance tested and the results of the test)

**This report:**

Prepared by: W. S. Webley

Approved by: W. S. Webley

Release Date:

*W S Webley*  
*W S Webley*  
*2/3/09*

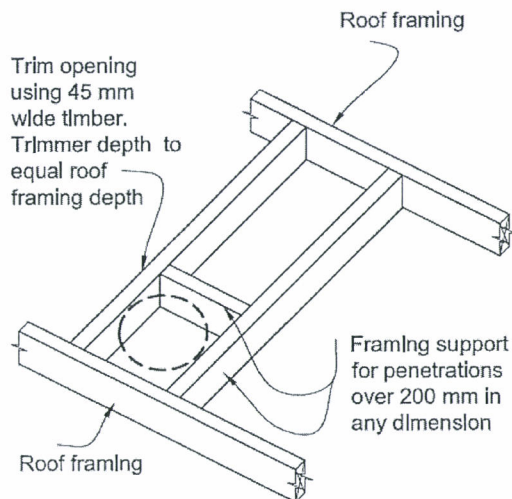
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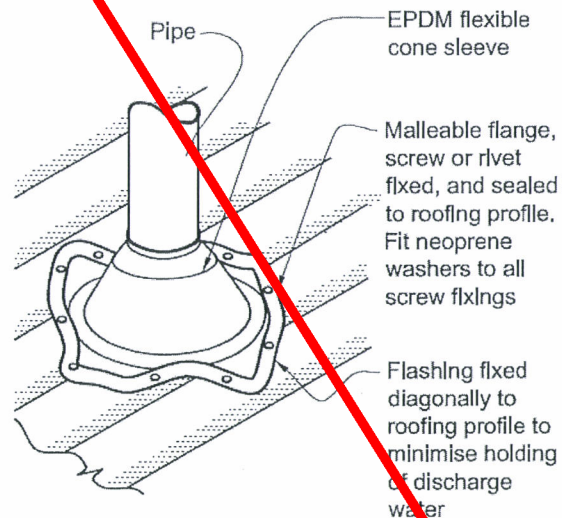
# NZBC E2/AS1

## Roof penetrations through profiled metal

**Figure 21: Penetration support**  
Paragraphs 8.1.7 and 8.4.17



**Figure 53: Flashing for small pipes**  
Paragraphs 8.3.10, 8.4.17, 9.6.8.5 and 9.6.9.6



**NOTE:**

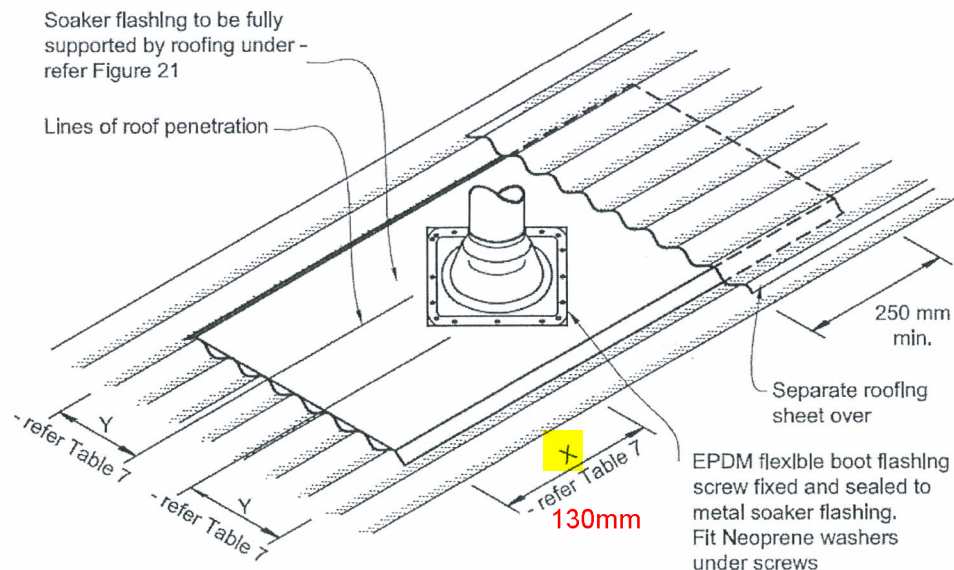
- (1) Max. roof pitch for this flashing 45°, minimum pitch 10° if base of flange covers one or more complete troughs.
- (2) For pipes up to 85 mm diameter.

**Figure 54: Soaker flashing for pipe penetrations**  
Paragraph 8.4.17

- NOTE:** (1) Suitable for pipes from 86 mm to 500 mm diameter.  
(2) Suitable only for roof pitches of 10° or more.

Soaker flashing to be fully supported by roofing under - refer Figure 21

Lines of roof penetration



**Table 7: Metal flashings – general dimensions**

Paragraphs 4.6, 4.6.1.1, 4.6.1.2, 4.6.1.3, 4.6.1.4, 4.6.1.5, 4.6.1.6, 4.6.1.7, 5.1, 6.4, 6.5, 7.1, 9.1.3, 9.1.10.2, 9.1.10.4 and 9.4.5.3

| Type               | Description                                | All (1) | Situation 1 (2)<br>minimum<br>mm                       | Situation 2 (3)<br>minimum<br>mm | Situation 3<br>(3a)<br>minimum<br>mm |
|--------------------|--------------------------------------------|---------|--------------------------------------------------------|----------------------------------|--------------------------------------|
| Aprons:<br>general | <i>Transverse flashing</i><br>over roofing |         | 130 (4)                                                | 200 (4)                          | 200 mm                               |
|                    | <i>Parallel flashing</i> over<br>roofing   |         | Two crests, finish in next trough –<br>refer 4.6.1.1b) |                                  |                                      |

**Situation 1:** Low, Medium, High *wind zones*, where roof pitch  $\geq 10^\circ$  (X or Z values)**Situation 2:** All roof pitches in Very High *wind zones*,Low, Medium and High *wind zones* where roof pitch  $\leq 10^\circ$ . (X or Z values)**Situation 3:** For all *roof* pitches in Extra High *wind zone*.

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