



INSPECTION RECORD

This record, together with the Building Consent and approved plans, is to remain on the construction site at all times.

Project Location	TO BOOK AN INSPECTION PLEASE PHONE WDC BUILDING CONTROL	BCon17/0271
90 Duncan St WHANGANUI	ON 349 0001 AND QUOTE THE FOLLOWING APPLICATION NUMBER:	
Description of Work	Install a Brunner Mk2 Free Standing Wood Burner in the Dining Room.	
Applicant	Mrs SC Annear 90 Duncan Street, Whanganui East, Whanganui 4500	

SUMMARY OF CONDITIONS

Building Consent Number BCon17/0271

PIM Conditions

Code	Condition
	All work on the project must comply with the requirements of the NZ Building Code.
	A PIM only document is not an approval to build. A Building Consent is required before building work commences.
	W.D.C will follow up on building work not completed within two years of building consent issue.
	A Building Consent lapses and is of no effect if the building work has not been started within 12 months of the date of issue.
	If the building is public premises it may not be occupied until either a code compliance certificate or certificate for public use has been issued.
	Please note [Electrical, and Gasfitting subtrades do not form part of the building consent inspection process. However, Council is required to receive 'Energy Certificates' from both of these trades before issue of a Code Compliance Certificate].

Building Consent Conditions

Code	Condition
BCheat	[Informative note: Further heat protection measures may be required as directed by the Building Control Officer upon inspection.]

Your project's inspections are listed on the next page...

Please Note: A minimum of 48 hours notice is required for the booking of an inspection. The inspection record sheet and accompanying building consent documentation must be on site for use by the inspector at the time of the inspection.

All inspections are to be carried out by BCA Building Inspectors unless prior arrangements have been made by the BCA to have an approved qualified person inspect specific items (eg. Engineer). Inspections shall be carried out in accordance with the attached schedule of inspection types. It is the owner's responsibility to ensure all necessary inspections are carried out as required. Please contact WDC if you are unsure what requires inspection – do not cover or endorse any building work without inspection.

Note: Further inspections may incur additional cost at time of Code Compliance Certificate issue.

Inspections Record For Building Consent Number BCon17/0271								
<i>Inspection</i>	<i>When to Request</i>	<i>Date</i>	<i>Inspector</i>	<i>Complies with Code</i>	<i>Reinspect</i>	<i>Notes</i>		
FREESTANDING HEATER INSPECTION	On Completion. Leave ceiling plate down.							



BUILDING CONSENT NUMBER BCon17/0271

Section 51, Building Act 2004

The building:

Street address of building:	Legal description of land where building is located:
90 Duncan St WHANGANUI	LOT 1 DP 49266 0.0588 Ha
Building name:	Location of building within site/block number:
Level/unit number:	

The owner:

Name of Owner:	
Mrs SC Annear	
Mailing address:	Street Address/registered Office:
90 Duncan Street Whanganui East Whanganui 4500	90 Duncan Street Whanganui East Whanganui 4500

Phone numbers:

Landline:	063431849	Mobile:	0226912112
Daytime:		After hours:	
Facsimile number:			
Email address:		Website:	

First point of contact for communications with the building consent authority:

Contact Person:	
Mrs SC Annear	
Mailing address:	Street Address/registered Office:
90 Duncan Street, Whanganui East, Whanganui 4500	90 Duncan Street, Whanganui East, Whanganui 4500

Phone number:

Landline:	063431849	Mobile:	0226912112
Daytime:		After hours:	
Facsimile number:			
Email address:		Website:	

Building Work

The following building work is authorised by this consent

Project
Install a Brunner Mk2 Free Standing Wood Burner in the Dining Room.

Intended Use	WDC APPROVED	Intended Life
Domestic fireplaces		50+ Years
Estimated Value (\$)		
\$2000.00		

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 of 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.



CONDITIONS OF BUILDING CONSENT NUMBER BCon17/0271

Section 51, Building Act 2004

This Building Consent is issued Subject to the following conditions:

Building Act 2004, Section 90:

Inspections by Building Consent Authorities

Agents authorised by the building consent authority 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.

Additional conditions:

[Informative note: Further heat protection measures may be required as directed by the Building Control Officer upon inspection.]

Informative notes:

- [Informative note: The Building Consent, conditions, inspection sheet, and approved plans must be kept on site at all times until completion of the project.]
- [Informative note: Failure to request inspections will risk the non-issuing of a code compliance certificate and the structure may be deemed non-complying.]
- [Informative note: Any inspection time required over and above that allowed may incur a further charge.]
- [Informative note: Under Section 52, a building consent lapses and is of no effect if the building work to which it relates is not commenced within 12 months after the date of issue.]
- [Informative note: Under Section 93, if the owner has not made application within 24 months, the BCA (Building Control Authority), must decide whether or not to issue a CCC (Code Compliance Certificate).]

Compliance Schedule:

A compliance schedule (CS) is not required for this building.

#Attachments

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

#Project information memorandum number BCon17/0271'

#Inspection record

Signed for and on behalf of the Whanganui District Council

GJ Hoobin

Environmental Standards Team Leader

Date: 19 May, 2017



PROJECT INFORMATION MEMORANDUM NUMBER BCon17/0271

Section 34, Building Act 2004

**Mrs SC Annear
90 Duncan Street
Whanganui East
Whanganui 4500**

<i>Project Location</i>	<i>Assessment Number/Legal Description</i>
90 Duncan St WHANGANUI	LOT 1 DP 49266 0.0588 Ha
<i>Category</i>	<i>Description of Work</i>
Free Standing Solid Fuel Heater	Install a Brunner Mk2 Free Standing Wood Burner in the Dining Room.
<i>Intended Life</i>	<i>Estimated Value (\$)</i>
50+ Years	2000.00

This Project Information Memorandum is confirmation that the proposed work may be undertaken, subject to the provisions of the Building Act 2004 and any requirements of the Building Consent (number BCon17/0271), which has been granted.

This Project Information Memorandum is subject to the following conditions:

- **All work on the project must comply with the requirements of the NZ Building Code.**

Signed for and on behalf of the Whanganui District Council

GJ Hoobin
Environmental Standards Team Leader

Date: 19 May, 2017

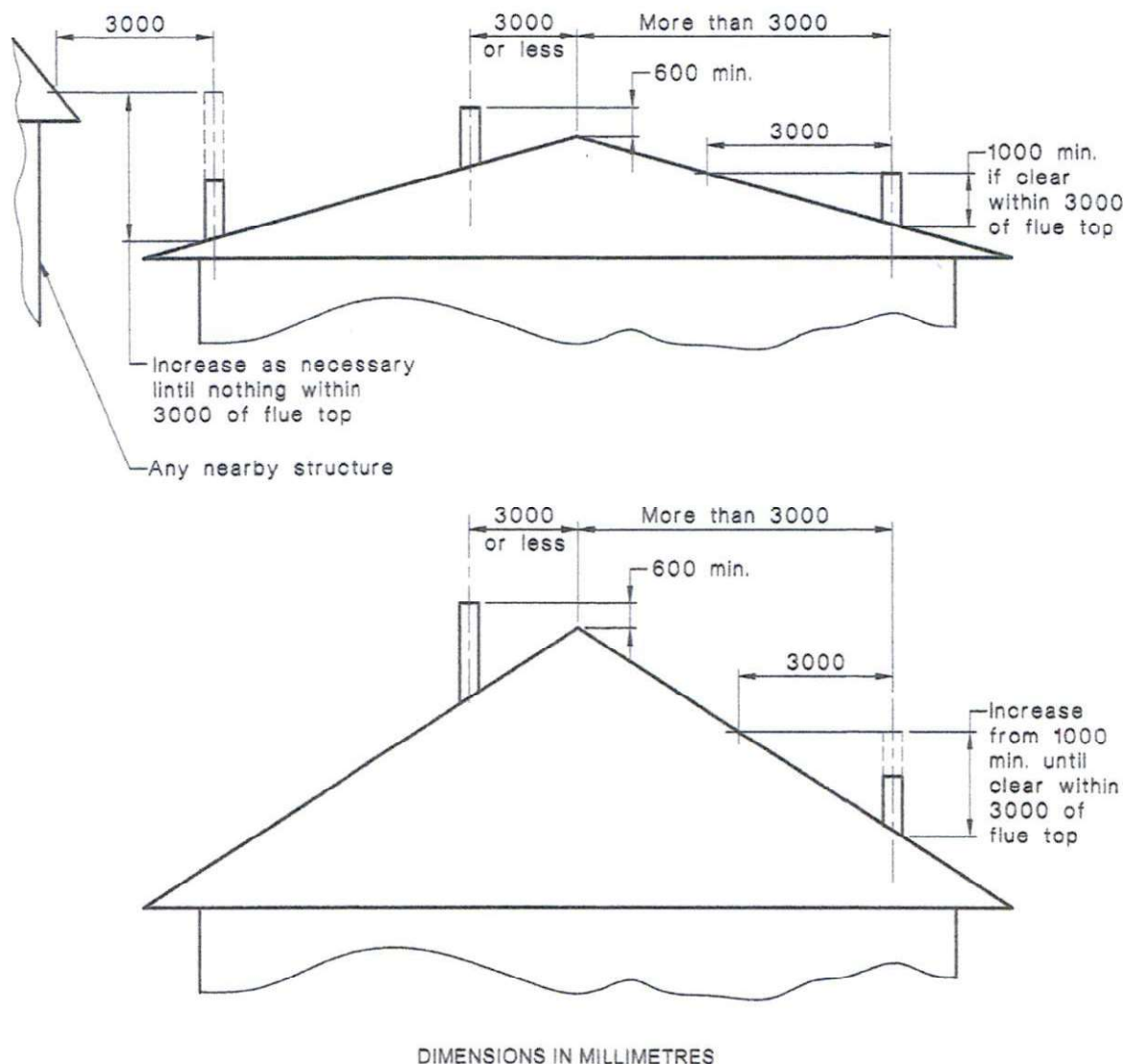


FIGURE 4.9 MINIMUM HEIGHT OF FLUE SYSTEM EXIT

4.11 FLUE PIPES IN CHIMNEYS

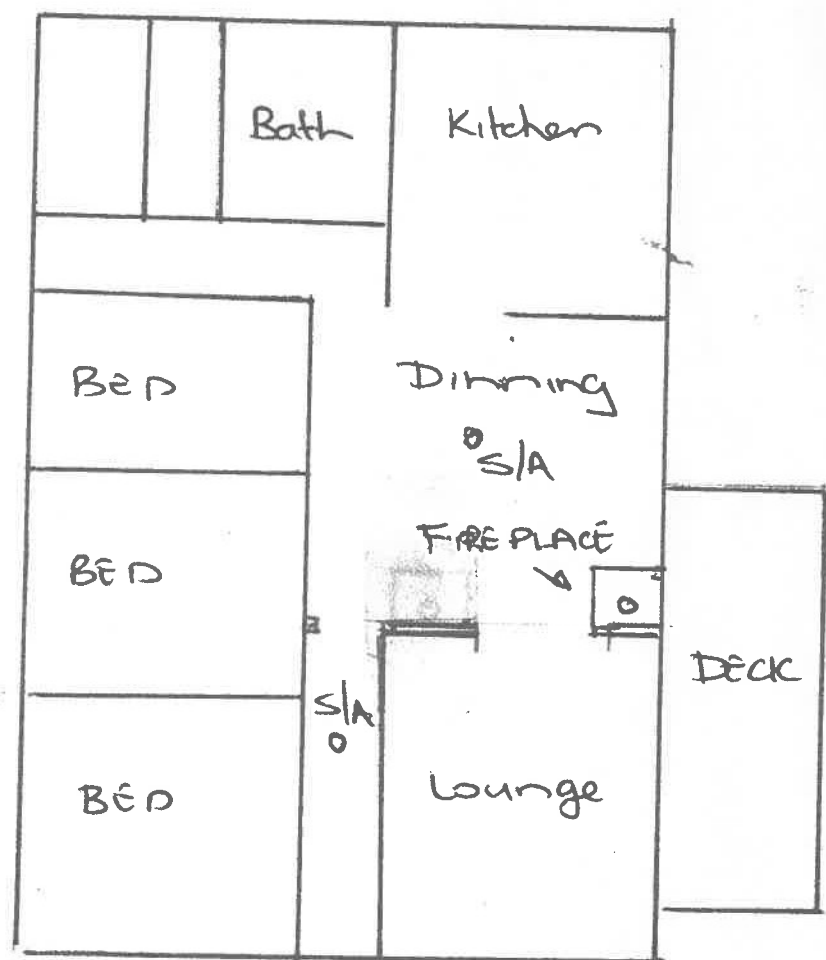
For appliances discharging combustion products through a chimney, the chimney shall be inspected for soundness and thoroughly cleaned before a flue pipe is installed. The air gap between the flue pipe and the chimney shall be open at the top of the chimney to the extent that the total opening area is not less than 10 000 mm². The chimney exit shall be fitted with means to prevent significant ingress of water and debris, and such means shall be constructed and fitted to maintain a total opening area at the chimney exit of not less than 10 000 mm².

The flue pipe shall terminate outside the chimney in accordance with the requirements of Clause 4.9.1.

4.12 FLUE DAMPERS

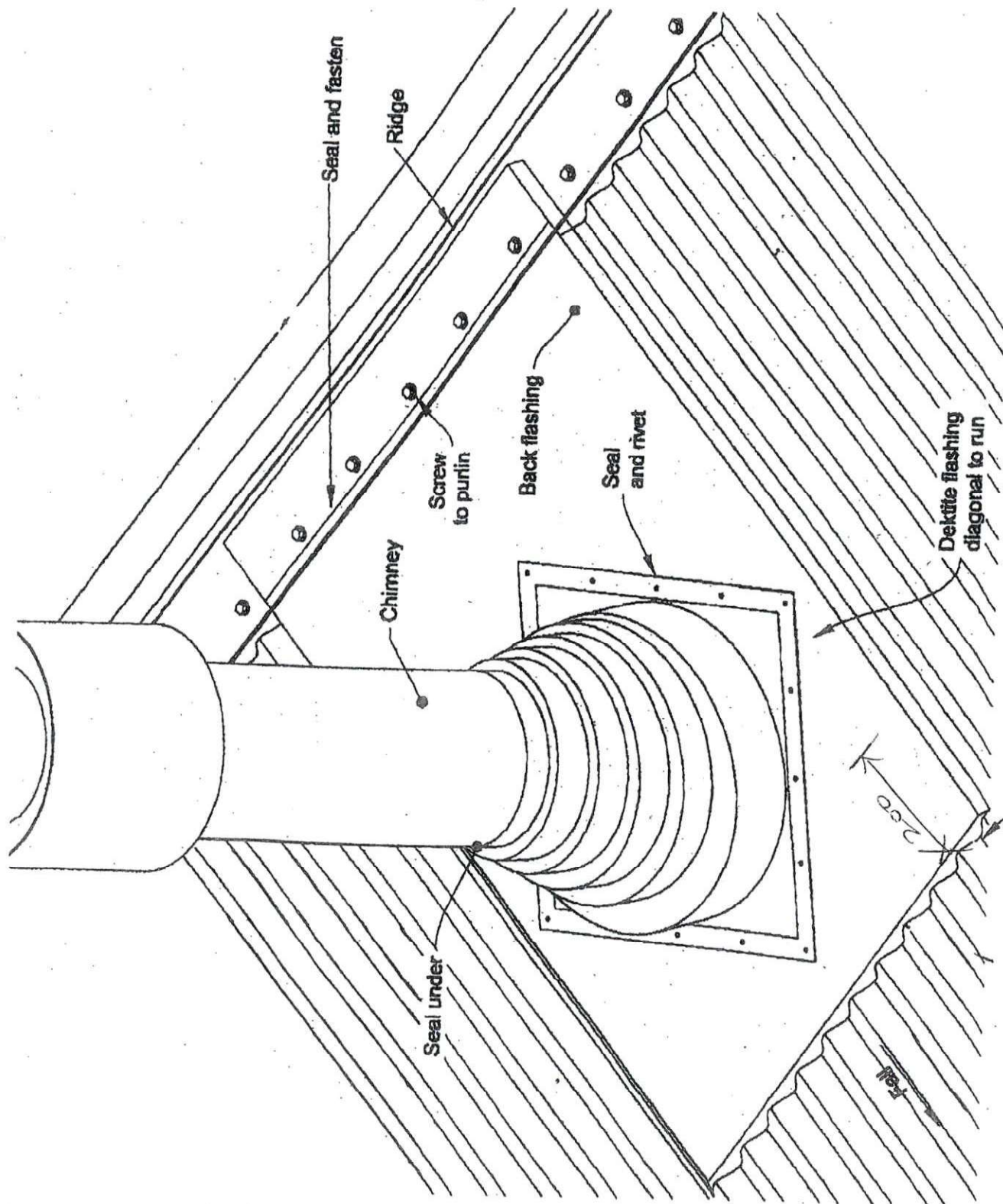
The appliance installation shall not include a flue damper unless such a device has been approved in writing by the appliance manufacturer.

WDC APPROVED



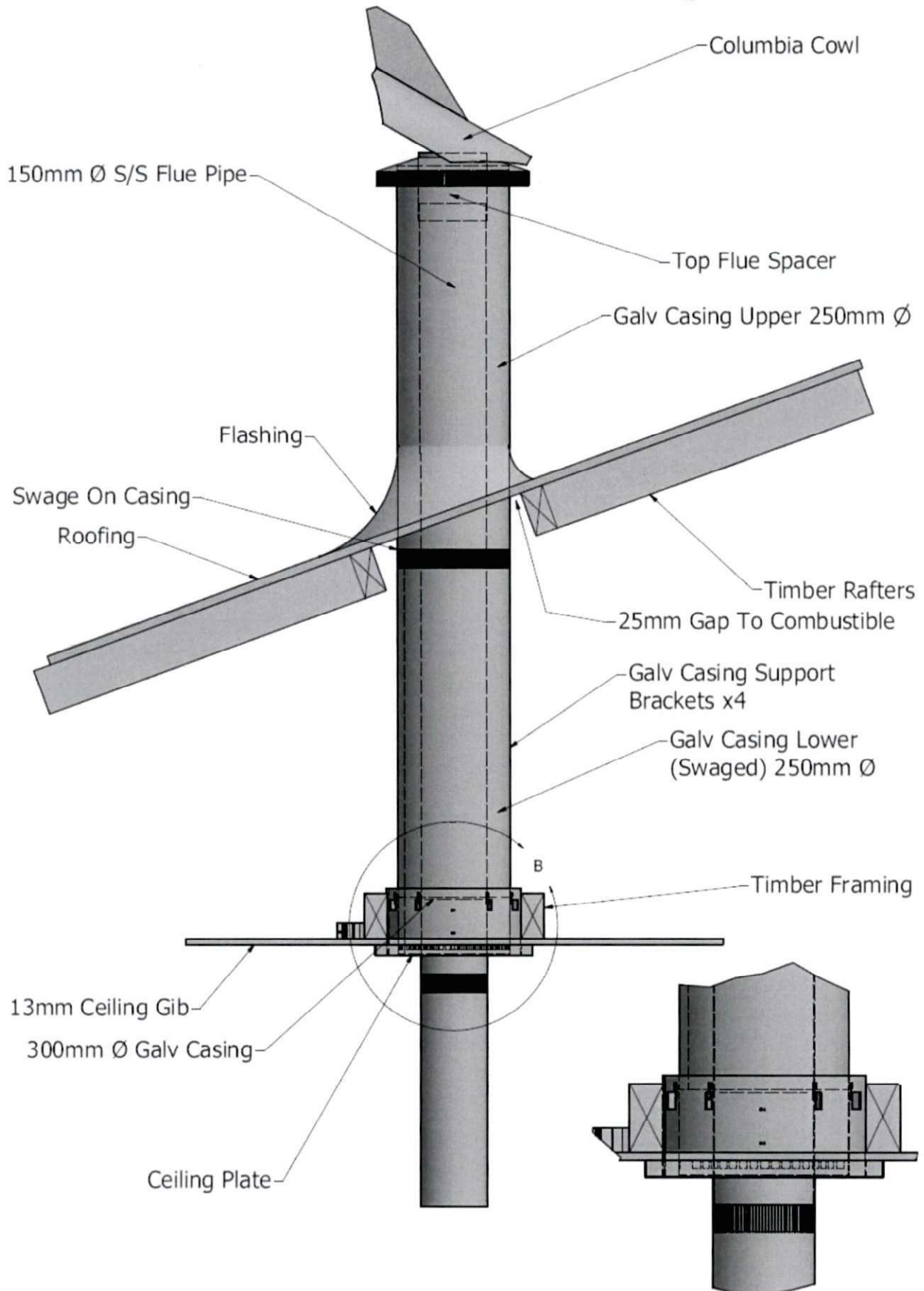
90 DUNCAN ST
NEW FIRE PLACE LOCATION

WDC APPROVED

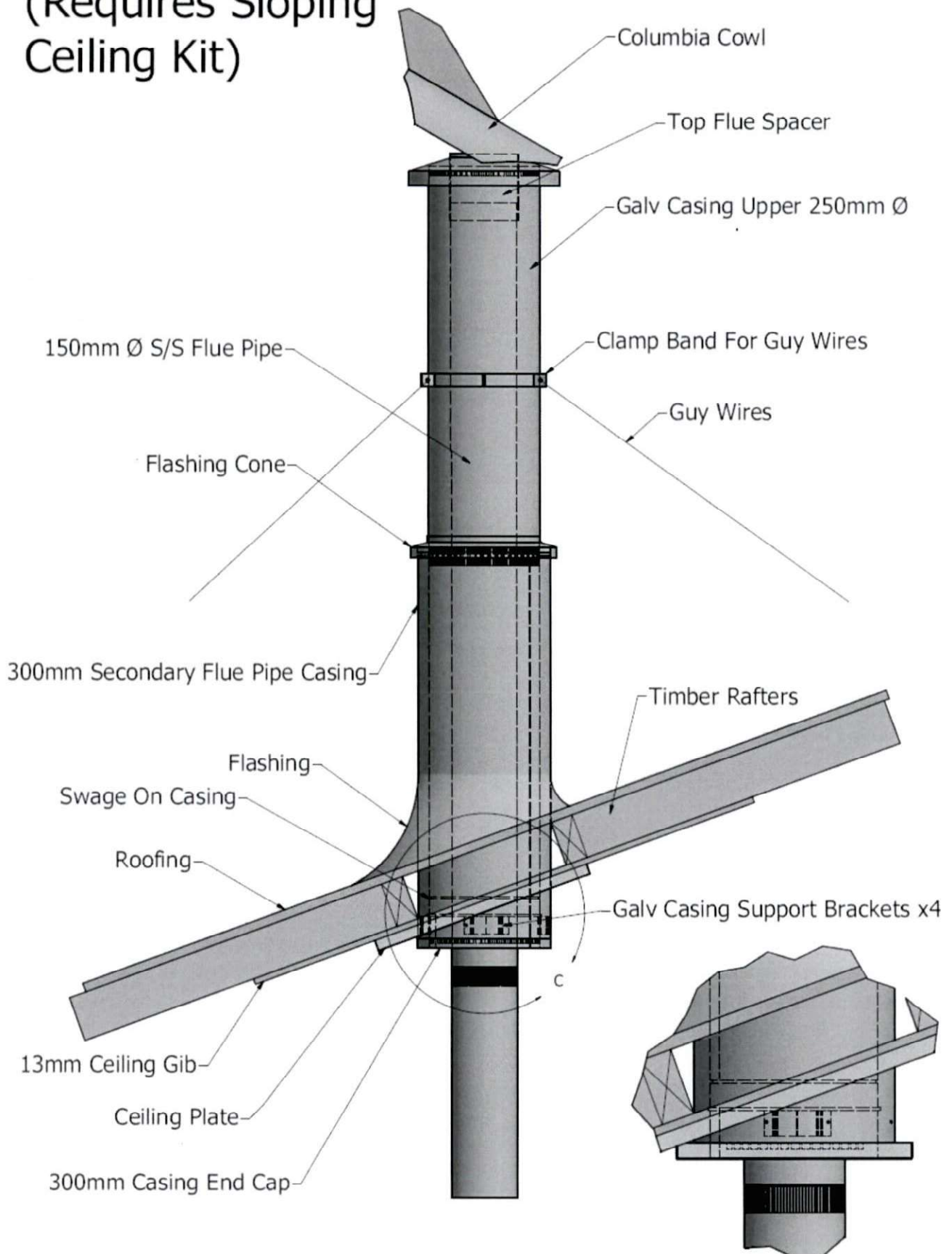


TYPICAL FLUE DETAIL

Standard Ceiling

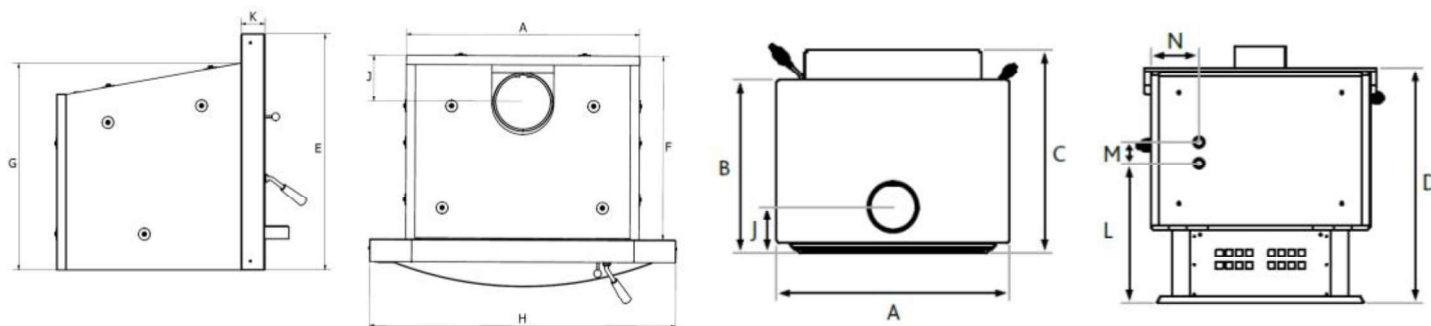


No Cavity
(Requires Sloping
Ceiling Kit)



WDC APPROVED

Dimensions



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

Testing and Certification

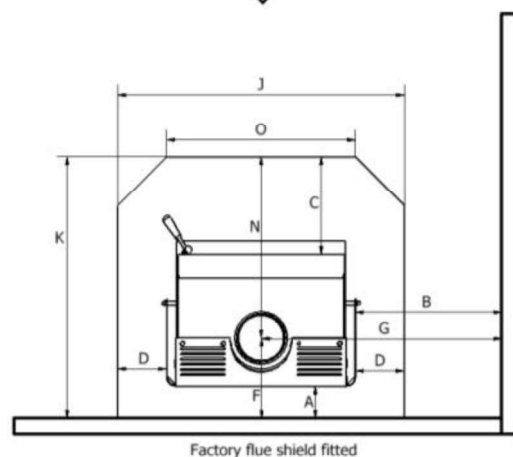
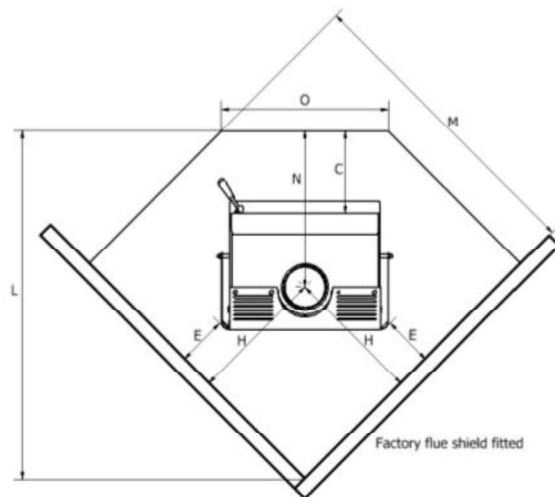
MODEL	AS/NZS 2918:2001, APP B	AS/NZ 2918:2001, APP E	AS/NZS 4012:1999	AS/NZS 4013:1999	ECan Cert Number
ECR NoVo	Complies	N/A	67%	0.9g/kg	153733
ECR NoVo Wet	Complies	N/A	65%	0.9g/kg	155148
Totara	Complies	Complies	67%	0.9g/kg	110220
Matai ECR MkIII	Complies	N/A	71%	0.7g/kg	102148
Matai ECR MkV	Complies	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

WDC APPROVED

Minimum Safe Installation Clearances to COMBUSTIBLE Materials

	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 combustable 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 3.3.2

WDC APPROVED



P.O. Box 687, NELSON,
NEW ZEALAND

PHONE (03) 547 7347
FAX (03) 547 2909
EMAIL: info@appliedresearch.co.nz
WEB: www.appliedresearch.co.nz

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

(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

WS Webley

Approved by: W. S. Webley

WS Webley

Release Date:

2/3/09

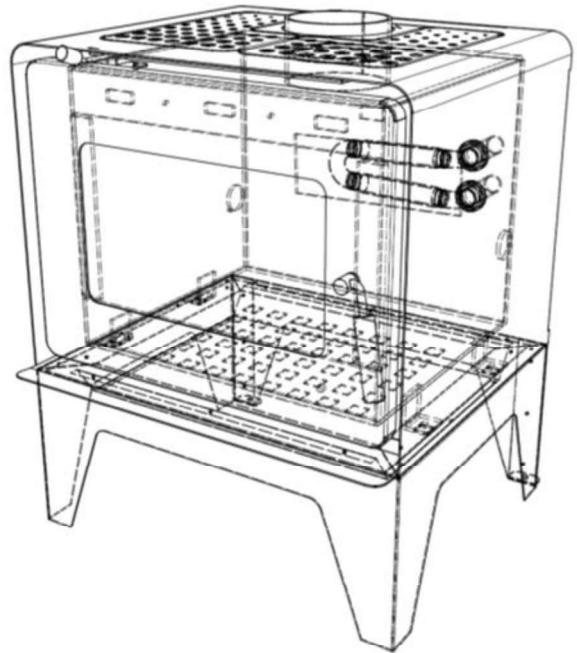
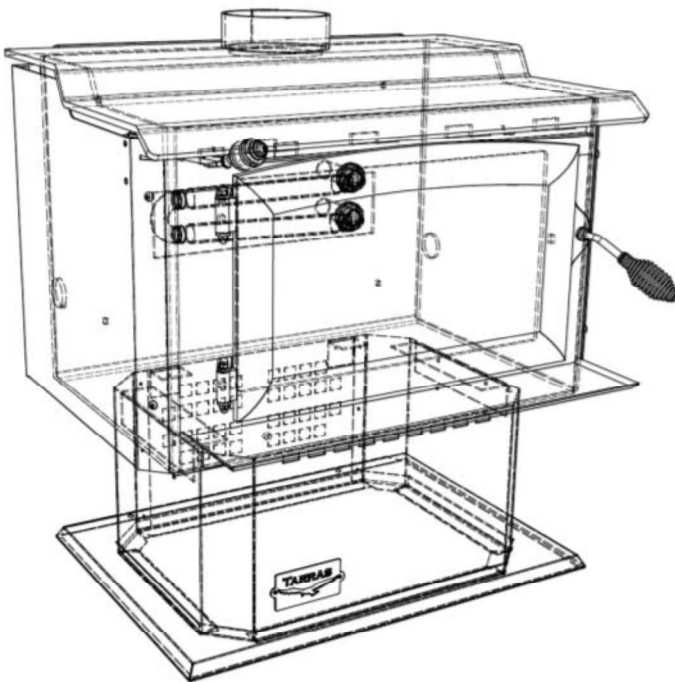
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WOODSMAN

Warming kiwi homes since 1887.

Specifications and Installation Instructions for Woodsman Solid Fuel Burners



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

Proudly Manufactured By:



Harris Home Fires
41 Braddon St
Addington
Christchurch 8024
New Zealand
Email sales@hhf.co.nz

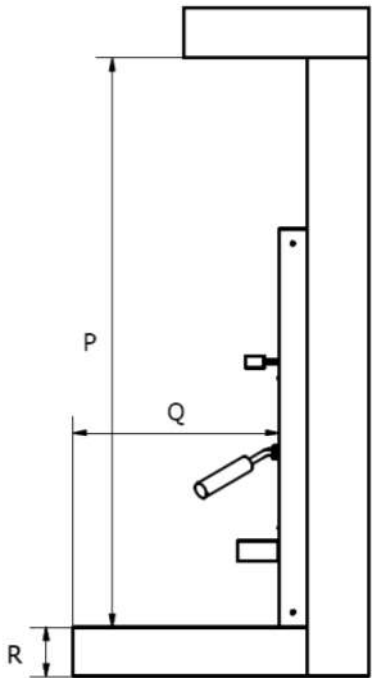
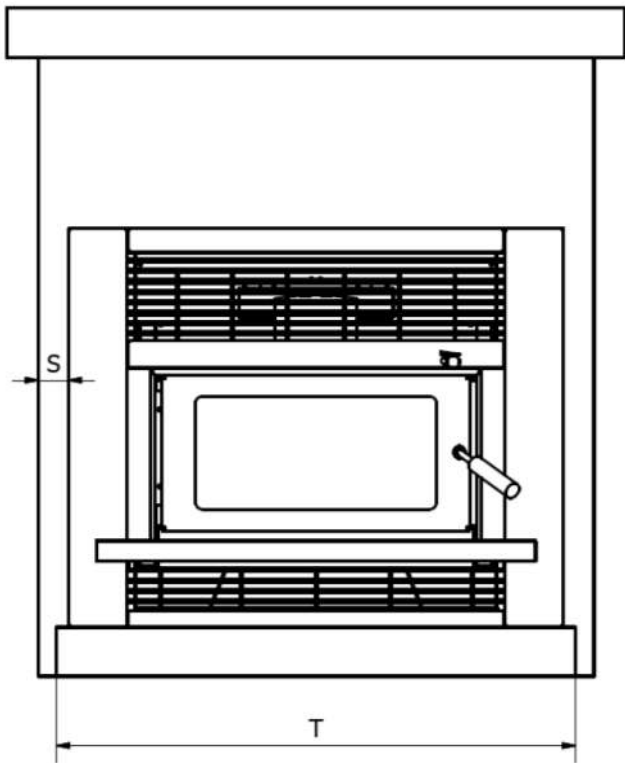
P O Box 4043
Christchurch 8140
New Zealand

Phone 03 366 1796
Freephone 0800 3661796
Fax 03 366 1795

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Fitting The Wetback To The Firebox	13

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 AS/NZ 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 AS/NZ 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:

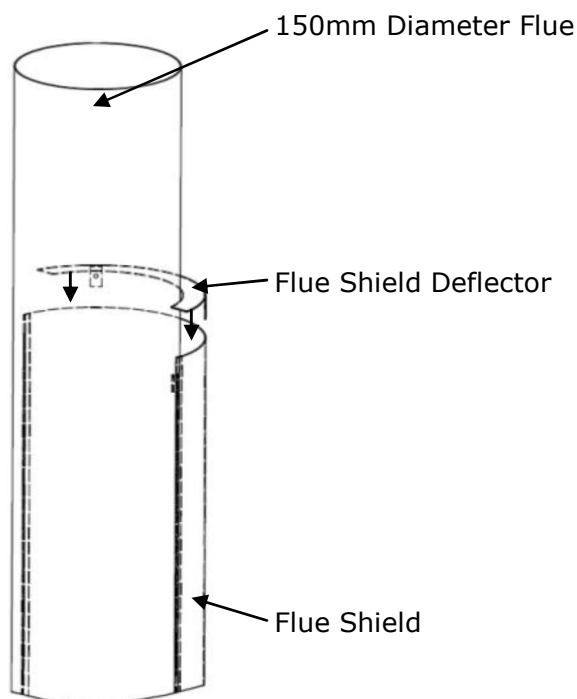
Brunner, Tasman, Aspen, ECR NoVo & Strongman

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:

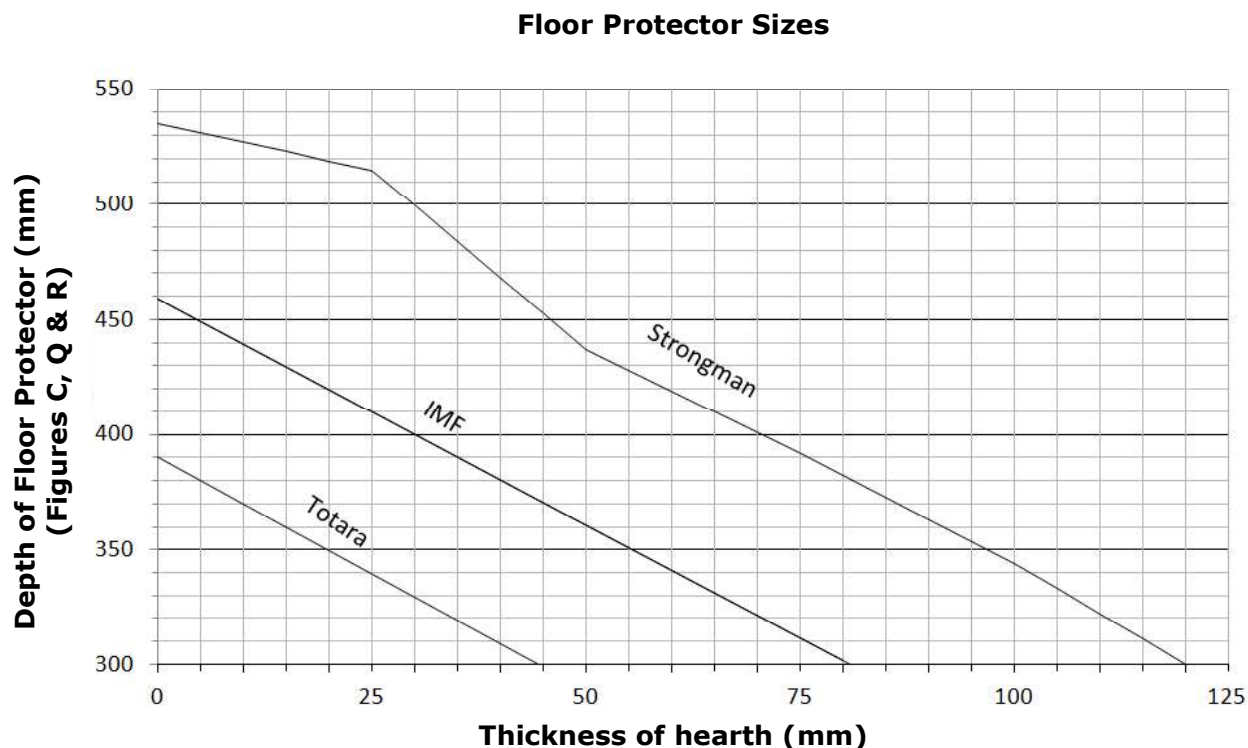
- Place the deflector on top of the heat shield and ensure no large gaps
- Fix in place by securing the tabs with rivets to the heat shield

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

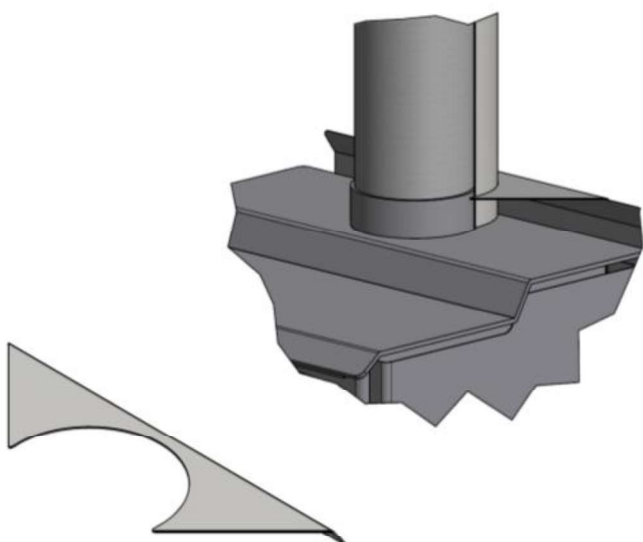
Graph 1



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

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

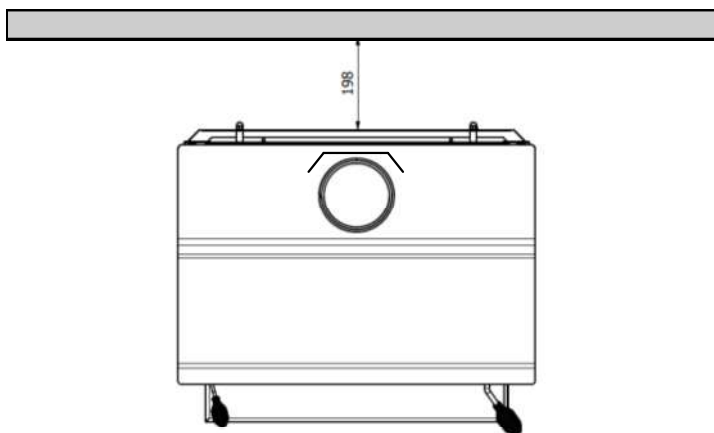
You can reduce the clearances by placing a non-combustible heat shield, with an air gap behind it and vented top and bottom, between the fire and the combustible wall. Masonry may be used as a heat shield material. The heat shield must extend a minimum of **450mm** beyond the top of the appliance and 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

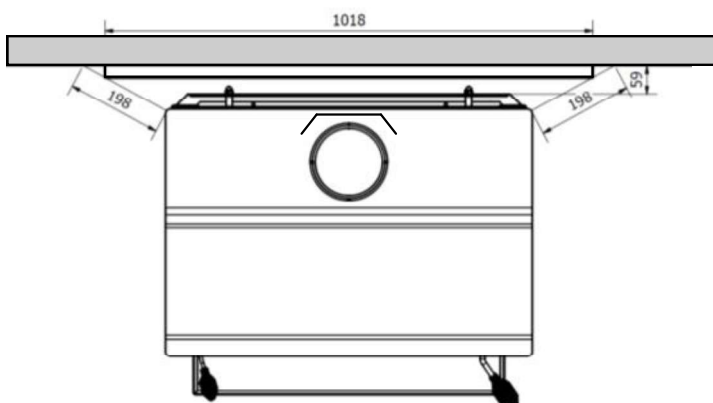
A non-combustible material in direct contact with a combustible material, with no air gap, is **NOT** considered a heat shield (unless the material has been tested in accordance with AS/NZS 2918:2001 Appendix A).

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)



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) ECR (MkIII, IV, V) RMF TOTARA*	8mm ceramic tiles only (or equivalent)
STRONGMAN	24mm Eterpan LD (or equivalent)
BRUNNER MKII TASMAN MKII TARRAS MKIII ECR NoVo	Ash Floor Protector. 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.

Minimum Flue Height

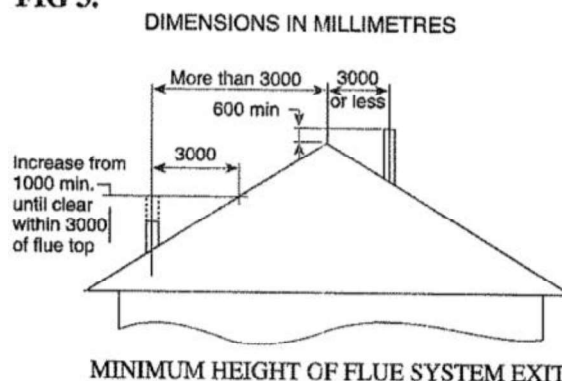
The top of the flue system should be at least 600mm above the highest point of the roof ridgeline, if the point of intersection of the flue system and the roofline is less than 3 metres from the ridgeline horizontally.

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.

Sealing Flue Joints

IMPORTANT

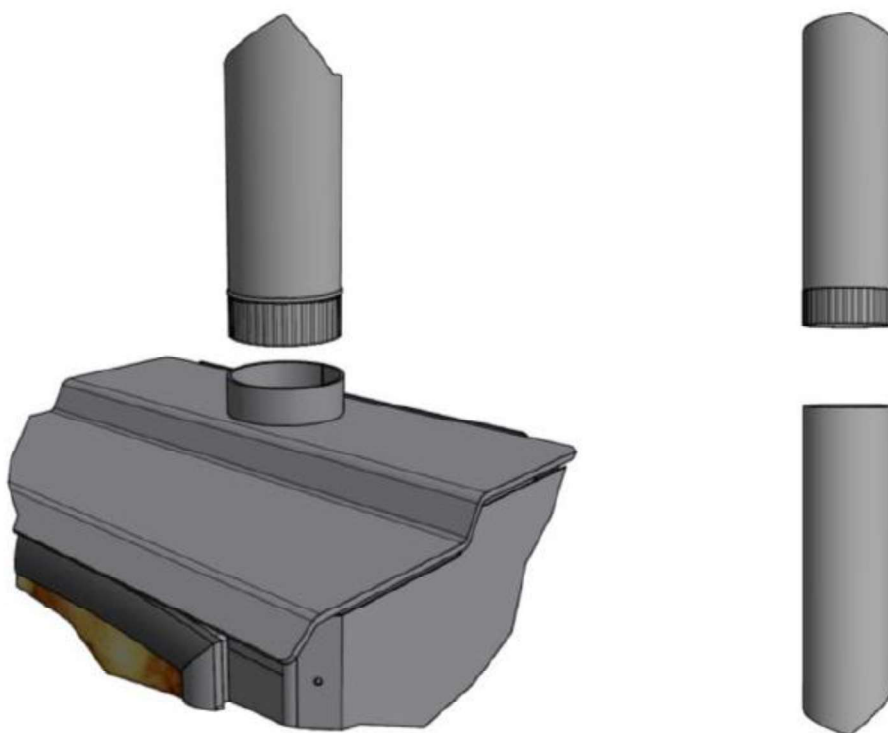
All Flue Joints Are Required To Be Sealed Using Flue Cement

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.



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.

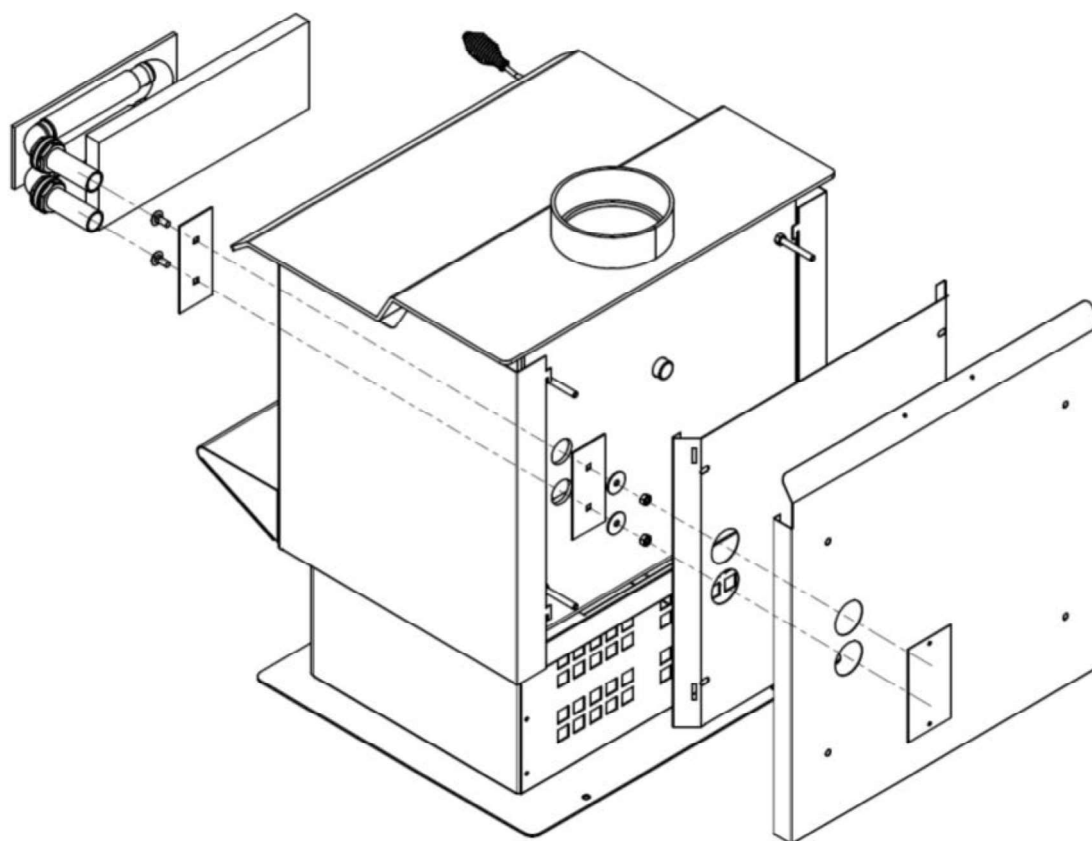
It is the installers responsibility to ensure that this is done at the time of installation.

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.



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".

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WOODSMAN

Warming kiwi homes since 1887.



BRUNNER MkII

FREE STANDING WOODSTOVE

The Brunner MkII boasts an impressive 19.6kW lab tested heat output and is 'Clean Air' approved for all zones.

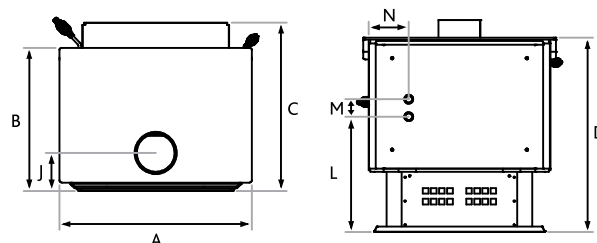
The Brunner MkII also provides a functional and efficient cooktop as well as wet back option. The ultra durable 6mm steel firebox is backed by a 15 year manufacturer's firebox warranty.

Available exclusively from Mitre 10 and Mitre 10 Mega



BRUNNER MkII

FREE STANDING WOODSTOVE



Dimensions (mm)

	BRUNNER MkII
A Overall Stove Width	615
B Stove Depth - Door to Rear	525
C Overall Stove Depth - Ledge to Rear	630
D Overall Stove Height	757
J Flue Centre to Back of Unit	145
L Wetback Height	478
M Wetback Centres	65
N Wetback Position	107

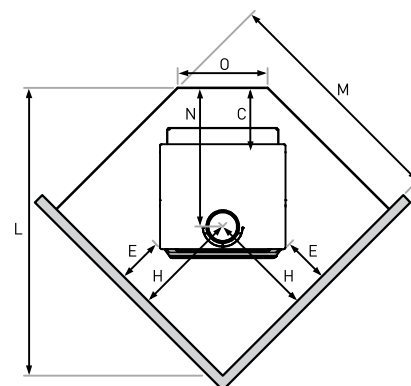
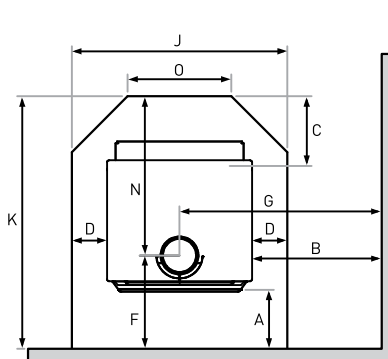
Clearances (mm)

	A	B	C	D	E	F	G	H	J	K	L	M	N	O
BRUNNER MkII	120*	450	300	138	240	265*	758	545*	850	945*	1451*	1230*	680	615

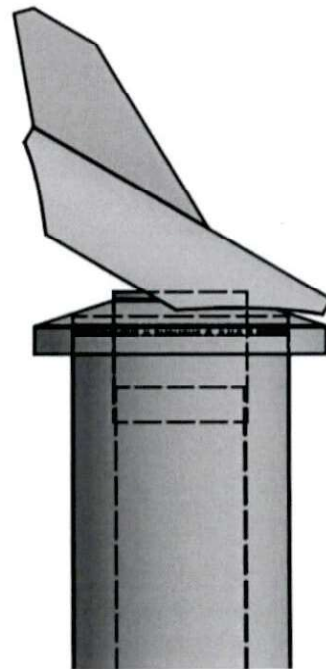
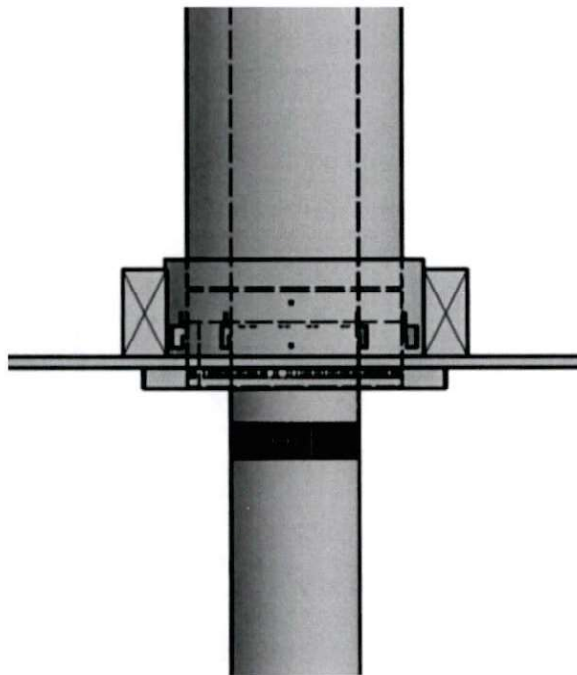
NOTE: Dimensions and Clearances shown are with Rear Deflector fitted (see page 7 of instructions).

All specifications are subject to change without notification. Please refer to the installation instructions when installing your fire.

* With Rear Deflector fitted.
See installation instructions.



HeatSaver Flue Kit Installation Instructions For Solid Fuel Appliances



KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE

Proudly Manufactured By:

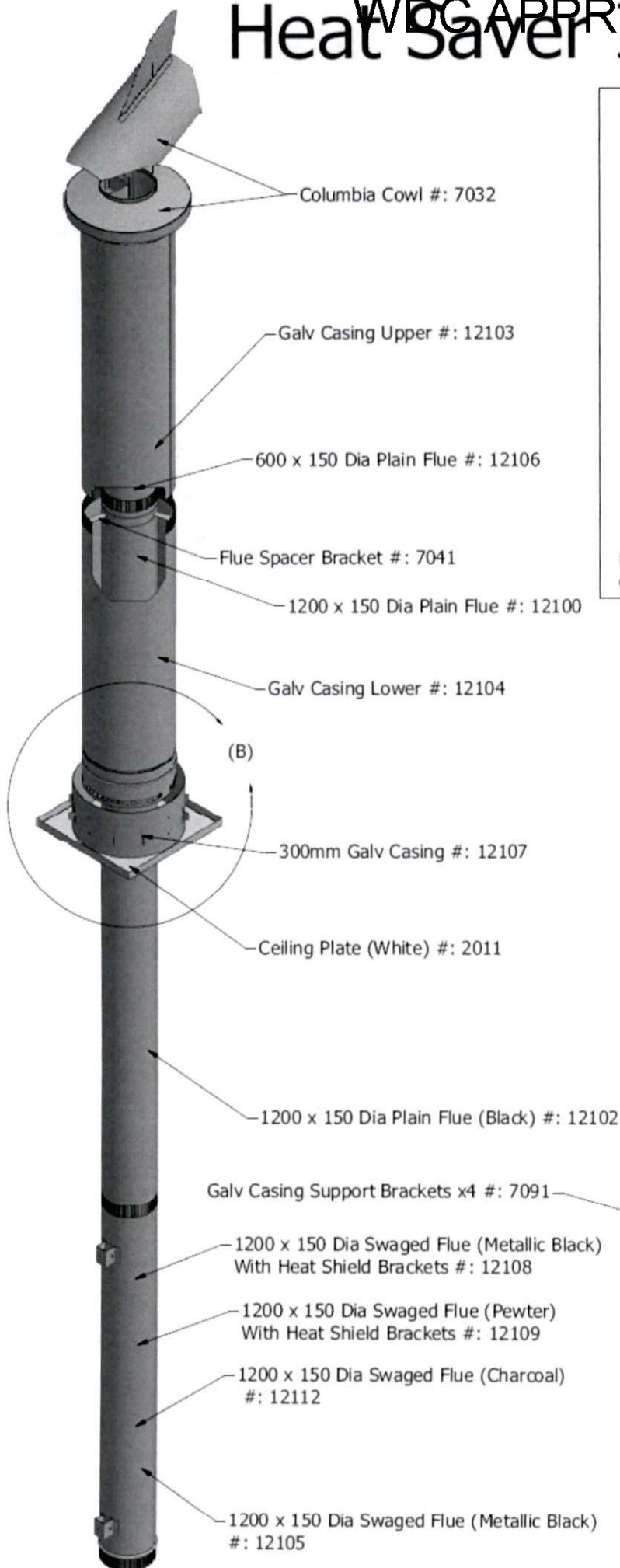


Harris Home Fires
41 Braddon St
Addington
Christchurch 8024
New Zealand
Email sales@hhf.co.nz

P O Box 4043
Christchurch 8140
New Zealand

Phone 03 366 1796
Freephone 0800 3661796
Fax 03 366 1795

WDC APPROVED Heat Saver II Flue Kit



Extension Set

Galv Casing Extension
#: 12101

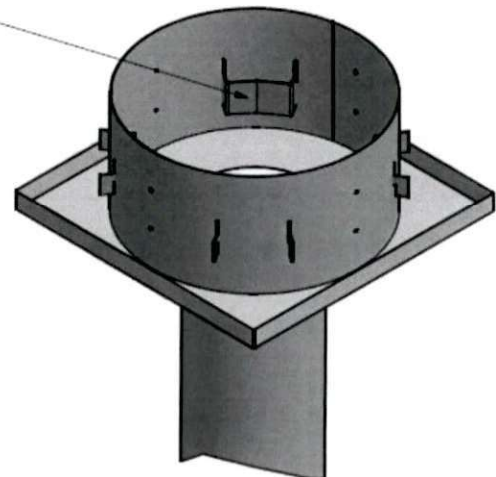
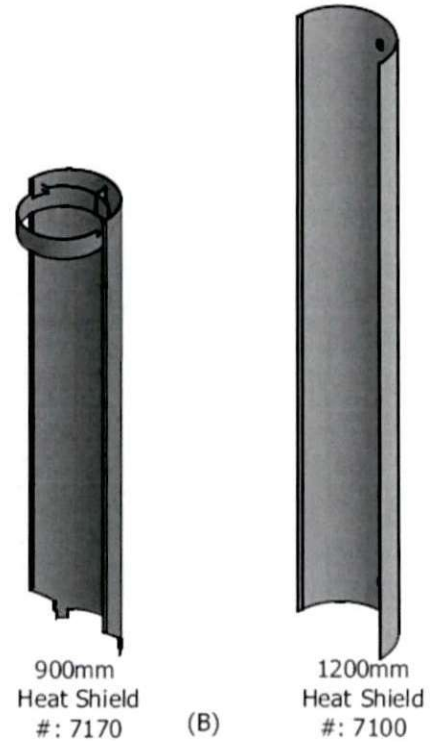


Plain Flue Extension
#: 12100

Internal Extensions

Metallic Black 1200 #: 12102
Charcoal 1200 #: 12111

Pewter 1200 #: 12110



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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IMPORTANT

All Flue Joints Are Required To Be Sealed Using Flue Cement

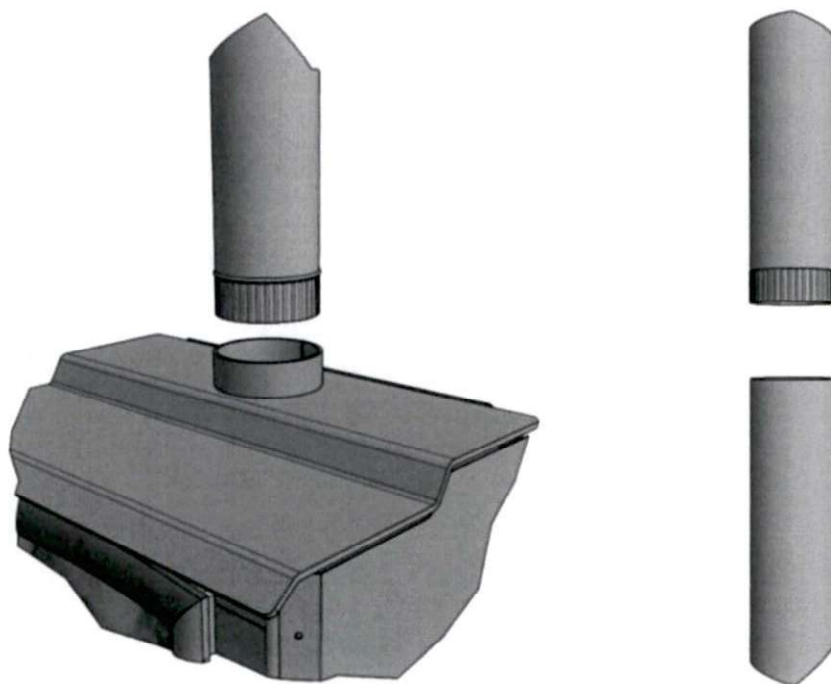
It is extremely important that ALL flue joints are sealed at the time of installation using flue cement or a suitable exhaust cement.

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.



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.

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 they 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



1200mm Flue Shield



900mm Flue Shield

Whanganui District Council
101 Guyton Street, Whanganui
PO Box 637, Whanganui 4540
New Zealand

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Telephone (06) 349 0001
Fax (06) 349 0000
Email wdc@whanganui.govt.nz
Website www.whanganui.govt.nz

Application for Building Consent/PIM (including Temporary Structures)

Reference Number	REF170510780
Submitted On	16/05/2017 03:32
Submitted By	Sarita Annear
Status	

Application for project information memorandum and/or building consent
Section 33 or section 45, Building Act 2004

Application for Solid Fuel Heater

Application Type	Building Consent and Project Information Memorandum (PIM)
Project Description	Installing a new Brunner MK II wood burner into Dining area

Property Selection

Property ID	12473
Address	90 Duncan St WHANGANUI
House Number	
Street	
Suburb	
Area Description	0.0588 Ha
Owner	
Legal Description	LOT 1 DP 49266 0.0588 Ha
Location	
Property Type	
Status	
Property Selected Id	12473
Valuation Number	1324017500
Property Ward	

Application Details

I request that you issue a:	Building Consent and Project Information Memorandum (PIM)
(for the building work described in this application)	

Project Information Memorandum
Matters involved in project

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Restricted Building Work applicable?	False
Nature of Application	Solid Fuel Heater
Building Details	
Building name:	
Location of building within site/block number:	90 Duncan Street,Wanganui East
Work type:	New
Year first constructed:	1920
Subdivision Lot Number:	
Subdivision Consent Number:	
Level/Unit number:	1
Number of Levels:	1
Current, lawfully established use:	Housing - Detached dwellings
Floor area:	100
Owner Details	
Are you acting on your own behalf?	True
Name of owner:	Sarita Annear
Contact person:	Sarita
Street address/registered office:	90 Duncan St, Wanganui east
Phone Numbers:	
Primary contact:	022-6912112
Other contact:	06-3431849
After hours:	
Facsimile:	
Email address:	saritaannear@yahoo.com
Website:	
Evidence of Ownership:	
Please select an evidence of ownership type and then upload the relevant file	WDC Rates Notice
img0131.pdf	
Authorisation	
In ticking this box I acknowledge and agree that:	True

1. I will pay, or arrange payment, of all fees

payable in respect of this application.

2. A cancellation fee may be payable if this application

is withdrawn before a building consent is issued.

3. I have read, understood and agree to abide by the

Online Services Terms and Conditions and the

Council website Terms and Conditions.

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4. The person who is nominated below is the person responsible for all billing and debt associated

with this building consent.

Type your full name here:

Sarita Annear

Date:

2017-05-15

Project Details

The Project

Description of the building work in specific detail:

Installing a new Brunner MK II wood burner into Dining area

List any building consents/PIMs previously issued for this project, if any

Will the building work result in a change of use of the building?

False

Estimated value of the building work on which the building levy will be calculated (including GST)

2000.00

What is the intended life of the building?

More than 50 years

Building Practitioners

Please specify the details of the Building Practitioners if known at the time of application.

Is there a Designer involved in this project?

False

Type of practitioner:

LBP/Reg number:

Licence class:

Practitioner name:

Company name:

Address:

Primary contact:

Other contact:

Email address:

Building Code

Building Code Clauses

Select Applicable Building Code Clauses

For further information on the Building Code Clauses below, please visit the following website:

www.dbh.govt.nz/compliance-documents

B1 Structure

True

Acceptable Solutions

Please select all that apply to your project

- AS1NZS1170

Verification Method

Please select all applicable verification methods

Alternative Solutions, Waivers & Modifications

Where any project includes an alternative solution, waiver to the NZ Building Code or modification request to the NZ Building Code then full details will be required. Document these in detail and upload under the relevant heading.

Alternative solution?

Waiver/Modification?

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Proposed Inspections

Proposed Inspector

Council

B2 Durability

True

Acceptable Solutions

Please select all that apply to your project

- B2/AS1

Verification Method

Please select all applicable verification methods

Alternative Solutions, Waivers and Modifications

Where any project includes an alternative solution, waiver to the NZ Building Code or modification request to the NZ Building Code then full details will be required. Document these in detail and upload under the relevant heading.

Alternative solution?

Waiver/Modification?

Proposed Inspections

Proposed Inspector

Council

C1-C6 Fire Safety Classes

True

Acceptable Solutions

Please select all that apply to your project

- C/AS1

Verification Method

Please select all applicable verification methods

Alternative Solutions, Waivers and Modifications

Where any project includes an alternative solution, waiver to the NZ Building Code or modification request to the NZ Building Code then full details will be required. Document these in detail and upload under the relevant heading.

Alternative solution?

Waiver/Modification?

Proposed Inspections

Proposed Inspector

Council

E2 External Moisture

True

Acceptable Solutions

Please select all that apply to your project

- E2/AS1

Verification Method

Please select all applicable verification methods

Alternative Solutions, Waivers and Modifications

Where any project includes an alternative solution, waiver to the NZ Building Code or modification request to the NZ Building Code then full details will be required. Document these in detail and upload under the relevant heading.

Alternative Solution?

Waiver/Modification?

Proposed Inspections

Proposed Inspector

Council

F7 Warning Systems

True

Acceptable Solutions

Please select all that apply to your project

- F7/AS1

Alternative Solutions, Waivers and Modifications

Where any project includes an alternative solution, waiver to the NZ Building Code or modification request to the NZ Building Code then full details will be required. Document these in detail and upload under the relevant heading.

Alternative Solution?

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Waiver/Modification?

Proposed Inspections

Proposed Inspector

Council

G11 Gas as an Energy Source

False

G12 Water Supplies

False

Attachments

Lodged Plans

Site Plans, Drainage Plans, Floor Plans, Elevations, Cross sections etc.

[img0132.pdf](#)

General Specifications

[Flue Roof Elevations.pdf](#)

[Heat Saver Flue Spec.pdf](#)

[Iron Roof Flashing.pdf](#)

[WOODSMAN - Installation Instruction V2.65.pdf](#)

[woodsman-brunner-brochure-2014.pdf](#)

Product literature

Technical Reports

Fire reports

Geotech summary report

Producer statements and engineering calcs

Bracing calcs

Truss layout PS1 and design statement

Specific stormwater design

On-site effluent design

H1 Calcs / compliance reports

GIB Ezy Brace documents

Design IT calcs

Ribraft

Other technical documents

Please upload any other relevant documents

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Checklist

Reference Number	REF170510780
Submitted On	16/05/2017 03:32
Submitted By	Sarita Annear
Status	

Office Use Only

If this is an alteration to an approved consent then the existing consent number (e.g. BCON16/1234) MUST be entered correctly as is shown in P&R

Is this an alteration to an approved consent?	False
PIM Required?	BCon and PIM
Compliance Schedule?	N/A
Restricted Building Work?	No
Building Category	Free Standing Solid Fuel Heater
DBH Category	R1
Statistics NZ Building Type	Alter Add Repair Resite SF Htr
Primary Usage	Domestic fireplaces
Description	Install a Brunner Mk2 freestanding wood burner in the Dining room.

General Documentation Required

Owner authorisation provided	Pass
Form 2A Certificate of Design Work	N/A
Are you applying for owner/builder exemption? If yes, the appropriate documentation including Form 2B is to be supplied	N/A

Index provided for plans and specifications

All plans to be to a recognised metric scale and drawn in black ink (not pencil)	Pass
All documents including photocopies must be legible	Pass
All plans are to be titled and dated (or version number)	Pass
Have all Licensed Building Practitioners been identified, if applicable	N/A

Vetting Officer General Documentation Notes

Legal Documentation Required

Full, current (less than three months old) Certificate of Title and survey plan is required for all new dwellings and external building work. All consent notices, building line restrictions, encumbrances and easement instruments. NB: If a cross lease, please also provide a flats plan.	N/A
Sale and purchase agreement with settlement date provided (if applicable)	N/A
Full copy of lease agreement (if applicant is lessee)	N/A
WDC Rating information supplied	Pass

Vetting Officer Legal Documentation Notes

Site/Location Plan

Site/Location Plan

Site Management and Protection of Public

Site Management and Protection of Public

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Retaining Walls/Site Works

Retaining Walls/Site Works

Foundation Plan

Foundation Plan

Floor Plan

Floor Plan

Framing Plan/Bracing Plan

Framing Plan/Bracing Plan

Details

Details

Roof Plan

Roof Plan

Specific Design Engineering

Specific Design Engineering

Elevations

Elevations

Specifications & Other Documentation

Specifications & Other Documentation

Plumbing & Drainage

Plumbing & Drainage

Protection from Fire

Protection from Fire

Compliance Schedule

Compliance Schedule

Accessibility Assessment

Accessibility Assessment

Hazardous Substances & Processes

Hazardous Substances & Processes

Food Premises

Food Premises

Weathertightness

Weathertightness

Swimming Pool/Spa Pool

Swimming Pool/Spa Pool

Solid Fuel Heater

Solid Fuel Heater True

Is the proposed appliance 'clean air' approved? Pass

Make/Model Pass

Type of roof (e.g. tile, coloursteel, etc) Pass

Flashing details (roof/wall penetrations) Pass

Indicate inbuilt or freestanding – including wetbacks Pass

**Entire floor plan showing position of proposed appliance
in relation to windows, doors and flammable materials** Pass

Location and distance of all smoke alarms Pass

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Manufacturer specifications including seismic restraints
and hearth information

Pass

Elevations showing flue location, height above roof

Pass

Wetback installation

N/A

Other Solid Fuel Heaters

N/A

Vetting Officers Solid Fuel Heater Notes

Solar Heating

Solar Heating

Demolition/Removal

Demolition/Removal

Property Number

12473

Initials of Vetting Officer

AH

Time taken to vet application:

25

Practitioners

Role Type

Applicant

New or Existing Name?

Existing

Name Number

1050890

Email Address

Role Type

Owner

New or Existing Name?

Existing

Name Number

1050890

Email Address

Referrals

Planners

False

Bond Agreement (IG) applicable

False

Construction CFPU required?

False

Building

True

Fire Design

False

Plumbing & Drainage

False

Health

False

Dangerous Goods

False

Water Supply (ref IG)

False

Drainage (ref IG)

False

Roading (ref IG)

False

Vehicle Crossing (ref IG)

False

Other Referral

False

Peer Review

False

Comment from Vetting Officer

Result

Overall Result

Pass

Rates invoice
01 July 2016 to 30 June 2017

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**WHANGANUI
DISTRICT COUNCIL**
Te Kaunihera a Rohe o Whanganui

Whanganui District Council
101 Guyton Street
PO Box 637
Whanganui 4540

Mrs Sarita C Annear
90 Duncan Street
Whanganui East
Whanganui 4500

Invoice date	1 May 2017
Instalment	4 of 4
Total rates 2016/2017	\$2,196.20
Notice number	1826577
Property number	12473
Valuation reference	1324017500
Property location	90 Duncan St
Land area	0.0588 Ha
Legal description	LOT 1 DP 49266

Tax invoice / Credit note / Debit note

GST Number: 51-668-324

Pay by instalment

2016/2017 Instalment 4 of 4

\$436.03

Or pay total rates owing

Balance payable to 30 June 2017

\$436.03

Statement of account

Previous years rates balance	\$0.12
Current years rates previously invoiced	\$1,647.00
This instalment (Including GST of \$71.63)	\$549.20
Penalties	\$0.00
Payments and adjustments	\$1,760.29Cr
Balance due 31 May 2017	\$436.03

Enquiries

Phone (06) 349-0001
Fax (06) 349-0000
Email rates@whanganui.govt.nz
www.whanganui.govt.nz

Direct debit payer

No other payment required

This statement does not include payments received after 24 April 2017

Whanganui District Council
101 Guyton Street
PO Box 637
Whanganui 4540

Direct debit advice

*The amount of your direct debit is \$87.22 and
will be debited from 03-0791-009307720001 on
a 14 day frequency*

Mrs Sarita C Annear

Please advise any change in details overleaf

Property number	12473
Instalment	4 of 4
Due date	31 May 2017
Total now due	\$436.03