ASHBURTON DISTRICT COUNCIL

5 Baring Square West, Ashburton, New Zealand.
e-mail info@adc.govt.nz Website www.ashburtondc.govt.nz

In reply, please quote: If calling, please ask for:

Code Compliance Certificate

Form 7

Section 95 Building Act 2004

Building Consent Number: BC0471/09

Contact:

B D Cox
15 Smitheram Street
ASHBURTON 7700

Phone: 027 320 7384
Mobile
Fax:
Email:
Website: (if applicable):

Project:

Heating Unit
Heater

Intended Use(s): Heating
Intended Life: 10 Yeares

Owner:

B D Cox
15 Smitheram Street
ASHBURTON 7700

Phone: 027 320 7384
Mobile
Fax:
Email:
Website: (if applicable):

Building Details

Building Name:
N/A

Location of building (site/block No): N/A

Level/Unit No: N/A

Current Lawful Established Use:
N/A

Year first constructed:

Legal Description:

Property Number: 8021
Valuation Roll No: 2452312900
Legal Description: Lot 26 DP 13573

Project Location:

Site Address:
15 Smitheram Street
ASHBURTON

COPY

The building consent authority named below is satisfied, on reasonable grounds, that —

(b) The building work complies with the building consent; and

(c) The specified systems in the building are capable of performing to the performance standards set out in the building consent.

Note: Please see next page for attachments:

Signed for and on behalf of Ashburton District Council on 07 January 2010
Signature

Robert Banks
Building Official
ENVIRONMENTAL SERVICES DEPARTMENT

whatever it takes ASHBURTON DISTRICT

Document Set ID: 1070547
Version: 1, Version Date: 18/11/2023

Form 6

Application for Code Compliance Certificate

Section 92, Building Act 2004

RECEIVED
- 6 JAN 2010
BY:

The Building Consent

Building Consent Number.: BC0471/09

Property Location: 15 Smitheram Street ASHBURTON

Issued by: Ashburton District Council

Name & Address of Owner:

B D Cox
15 Smitheram Street
ASHBURTON 7700

Owner Details:

SCANNED
07 JAN 2010

Landline	027 320 7384	Mobile	
Daytime	027 320 7384	After Hours	
Facsimile		Email	

Agent

Name of Agent: *[Only required if application is being made on behalf of the owner]*

Contact Person:

Mailing Address:

Street address/Registered Office:

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Agent Contact Details:

Landline ---------- Mobile ----------

Daytime ---------- After Hours ----------

Facsimile Number: ---------- Email ----------

Relationship to Owner [State details of the authorisation from the owner to make the application on the owner's behalf]

First point of contact

{If different from Owner or Agent}

Name of Contact:

B D Cox
15 Smitheram Street
ASHBURTON 7700

Contact Details:

Landline Mobile

Daytime After Hours

Facsimile Email

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:

Concreter:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

Joiner:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

Tanking Applicator:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

Plasterer/Textured Coater:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

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Gasfitter:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

Electrician:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

Plumber:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

Drainlayer:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

Carpenter:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

Brick/Block Layer:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

Deck/Roof Membrane Applicator:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

Roofer:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

Concealer Fascia Installer:

Business/name:

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

Others:

Business/name: Rex cox owner

Address

Daytime: Mobile:

After Hours: Facsimile:

Registration/Qualification

Product Name:

Manufacturer:

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Compliance Schedule

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 standards set on in the building consent:

☐ *There are no specified systems in the building*	
Cable Car (including to individual dwelling)	☐
Automatic systems for fire suppression (for example, sprinkler systems)	☐
Electromagnetic or automatic doors or windows (for example, ones that close on fire alarm	☐
Automatic or manual emergency warning systems for fire or other dangers	☐
Emergency lighting systems	☐
Escape route pressurisation systems	☐
Riser mains for Fire Service use	☐
Any automatic back-flow preventer connected to a potable water supply	☐
Life, escalators, travelators or other systems for moving people or goods within buildings	☐
Mechanical ventilation or air-conditioning systems	☐
Means of escape from fire	☐
Building maintenance units for providing access to the exterior and interior walls of buildings	☐
Emergency power systems for, or signs relating to, a system or feature specified	☐
Safety barriers	☐
Means of access and facilities for use by persons with disabilities which meet the requirements of section 118	☐
Hand-held hose reels for fire fighting	☐
Such signs as are required by the Building Code or by section 120	☐
Laboratory fume cupboards	☐
Audio loops or other assistive listening systems	☐
Smoke control systems	☐

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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: *[State which address, and whether owner or*

Signed by the Owner OR:

Signature: [signature]

Name: ----------

Date: 6/01/10

Signed by the Agent: [On behalf of, or with authority from, the owner]

Signature: ----------

Name: ----------

Date: ----------

The following documents are attached to this application:

Office Use Only

Information Supplied

Yes	*N/A*		*Yes*	*N/A*
		Certificate from the personnel who carried out the work		
		Certificate that relates to the energy work		
		Evidence that specified systems are capable of performing to the performance standards set out in the building consent.		
		Water test results		
		Engineers Construction Producer Statements, site instruction/reports		
		F.P.I.S Report (if required)		
		Glaziers PS4		

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ASHBURTON DISTRICT COUNCIL

INSPECTION SHEET
(SOLID FUEL HEATERS)

FOR HEATERS INSTALLED FOR MORE THAN 3 YEARS WITHOUT CCC ISSUED

IS 14
VERSION: 1
Date Issued: 19/08/2009

Valuation Number
2452312900

Building Consent No:	**0471/09**
Site Address:	**15 Smitheram St Ashburton**
Other Person on Site:	**Ben Cox 307 2135**
This Inspection Relates to:	**Final - SFH**
Installer's Name:	**Company:**
Make: **Woodsman**	**Model:** **ECR MKII** **Location:**

The Unit	
New	✓
Secondhand	—
Free Standing	✓
Inbuilt	✓
Chimney (check masonry)	✓
Chimney been swept	✓
Mantel Shelf	✓
Seismic Fixing	✓
Chimney Void Vented at Top	✓
Ceiling Plate	ENTERED
Appendix J Approved	✓
Zero Rated	✓
Producer Statement Unit	✓
Installation Instructions Onsite	✓
Fire Place Surround/Chimney Face Junction Sealed up with Heat Resistant Materials	—

Flue	
New	✓
Secondhand	—
Single Liner	—
Double Liner	✓
Flue Shield	✓
Flue Jointing – Stainless steel fixings	✓
Flue Penetration through roof space	✓
Flue Height	✓
Flue Flashings	✓
Producer Statement Flue	—
Clearances Required	
Back	
Front	~~400~~ 310
Left	200
Right	200
Corners 45°	✓
Above unit	

SCANNED 17/11/2023

Hearth	
Ash Hearth	✓
Insulating Hearth	—

The Wetback Connection	
Flow and Return Pipes (copper)	
Tempering Valve*	
HWC open vented	
Craftsman Plumbers Name:	
Clearance Achieved	
Back	
Front	~~400~~ 310
Left	200
Right	200
Corners 45°	✓
Above Unit	✓

Reference to:	NZS 7421:1990
	ASNZS 2918:2001

Condition of Unit

Fire Box	
Buckling	
Cracking or Holed	
Bolts Missing	

Door	
Door Seals	
Glass	
Double Liner	

Hearth	
Condition of Hearth	
Flue	
Spigot in Place	
General Condition	

SCREENS

Clearance Factor for Screens – Table 1 from NZS 7421:1990

Screen Material	*Spacing From wall (mm)*		*Clearance Factor*	
Sheetmetal – any type 0.5mm or thicker	*Nil*		*1.0*	
	12		*0.3*	

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SCREENS				
Clearance Factor for Screens – Table 1 from NZS 7421:1990				
Screen Material	***Spacing From wall (mm)***		***Clearance Factor***	
	25		*0.2*	
Sheetmetal as above – two panels spaced apart	*12+12*		*0.12*	
Mineral Board – with no organic additives	*25*		*0.5*	
Mineral Board – as above with sheetmetal panel in space behind	*12+12*		*0.12*	
Brick on edge or flat	*Nil*		*0.8*	
	25		*0.2*	
Brick on edge or flat – with sheetmetal panel in space behind	*12+12*		*0.12*	

Note: Surface coating applied to the above screen material shall meet the requirements of Appendix G.

- **When a hot water booter or wetback is being installed, an anti-scalding device much be fitted in the supply from the cylinder to the sanitary fixtures. This requirement does not apply if an existing hot water booster or wetback is being replaced, or is existing elsewhere in the hot water system.**

Type 1 Domestic Smoke Alarms					
HARD WIRED ALARM					
Installed By:	Owner	Battery Operated	✓	Hush Facility	✓
LOCATION					
On Escape Route (each level)	✓	Within 3m of Space Door	✓	In Sleeping Spaces	✓
Ceiling Mounted	✓	Availability (60dB) with Door Closed	✓	Alarm Test	yes
Approval Given to Proceed				Yes / No	

Comments:
all work as per consented documents
OK to issue CCC

Additional Documentation Required:	**Received**

Inspection OK	**Yes / No**	**All Work is in accordance with the Building Consent**	**Yes / No**
Re-inspection Required	**Yes / No**	**Owner/Agent Notified of Outcome by: Site Inspection Notice ☐** **In Person ☑ Telephone ☐ Fax ☐ Email ☐ Post ☐**	
Issue CCC	**Yes / No**		
Owner/Agent:		**Signed:**	**Date: 7/01/2010**
Building Official: Robert Banks		**Signed:**	**Date: 7/01/2010**

Tick (√) approved inspections	Cross (x) inspections not approved	Strike out inspections not applicable (Strikeout can be in any direction) ⊟

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ASHBURTON DISTRICT COUNCIL

5 Baring Square West, Ashburton, New Zealand
e-mail info@adc.govt.nz Website www.ashburtondc.govt.nz

(BAM 212A)
Project No BC 0471/09

BUILDING CONSENT CHECKLIST – CODE COMPLIANCE CERTIFICATE

Code Compliance Certificate		**Building Official**	Robert Banks	
Information for Consent		**Supplied**	**Not Applicable to Consent**	**Not Supplied**
Building consent processing check sheets				
Inspection Reports (Electronic Copies)	Foundation		/	
	Pre pour		/	
	Pre wrap		/	
	Pre line		/	
	Post line		/	
	Drainage (including drainage plan)		/	
	Completion	/		
	Other		/	
All re-inspections followed up?			/	
Application for Code Compliance Certificate (Electronic Copy)		/		
Have Potable Water Tests been received and is water potable? (If required) (Paper Copies)			/	
Producer Statements (PS3, PS4) (Paper Copies)			/	
Manufacturer/Installer certificates (Paper Copies)			/	
Electrical certificates (Paper Copies)			/	
Energy Certificates (Paper Copies)			/	
Potable water results **PASSED**			/	
Certificate for Public Use applied for?			/	

Development Contribution *(Water & waste & Community infrastructure)* **Required?**	**YES**	**NO** (circled)
Development Contribution *(Water & waste & Community infrastructure)* **Received?**	~~**YES**~~	**NO**
Compliance Schedule issued?	/	
All above information available in property file?	**YES** (circled)	**NO**

Request for further information made	**Signed**	N/A	**Date**	
Information now received	**Signed**	N/A	**Date**	

Code Compliance Certificate to be issued? A copy of the Code Compliance Certificate is to be signed and placed inside the property file.		**YES**	**NO**
Signed	RBS	**Date**	07/01/10

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ASHBURTON DISTRICT COUNCIL

5 Baring Square West, Ashburton, New Zealand
e-mail info@adc.govt.nz Website www.ashburtondc.govt.nz

RECEIVED
17 JUN 2009
BY

(BAM 002-T)

BC 0471/09

Application for Building Consent
SOLID/LIQUID FUEL HEATING APPLIANCE

Section 45, Building Act 2004

The Building	Property ID
Street Address 15 Smitheran st Ashburton	Legal Description Lot 26 DP 13573 Other

Owner (As defined by the Building Act)	**Agent – First point of contact** (Must be authorised by the owner to make this application)
Full Name(s): Benjamin David Cox	Name:
Contact Person: Ben	Company:
Street Address/Registered Office: 15 smitheran st	Street Address/Registered Office:
Mailing Address: 15 smitheran st	Mailing Address:
Daytime: Mobile: 0273107386	Daytime: Mobile:
After Hours: 3072135 Facsimile:	Facsimile:
Email: BDC-84@Hotmail.com	Email:
	Relationship to owner:

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

Signed: Ben Cox Dated: 16/06/09

Signature of: Ben Cox (Write Name) Owner/~~Agent~~ (on behalf of and with the consent of the owner) (Delete one)

The Project – Installation of a Solid/Liquid Fuel Heater

Make: Woodsman

Model: Ecr MK II

Value of new work: $ 2000

☑ New Model ☐ 2nd Hand Model ☐ Certification of 2nd hand unit

Installer: Ben Cox

Address: 15 Smitheran st

If Wetback – Sate Craftsman Plumber's Name and Address:

Name:

Address:

☐ Fuel ☑ Wood ☐ Wood Pellets ☐ Diesel/Diesel Blend

Clean Air Certification No: 071/28

☐ Inbuilt ☑ Freestanding ☐ Wetback

Is this replacing an existing operational fire? ☐ Yes ☑ No

If No, please provide the resource consent number from Canterbury Regional Council (ECan) (applies to wood or wood pellet burners only)

Resource Consent Number:

Is this replacing an existing wetback? ☐ Yes ☑ No

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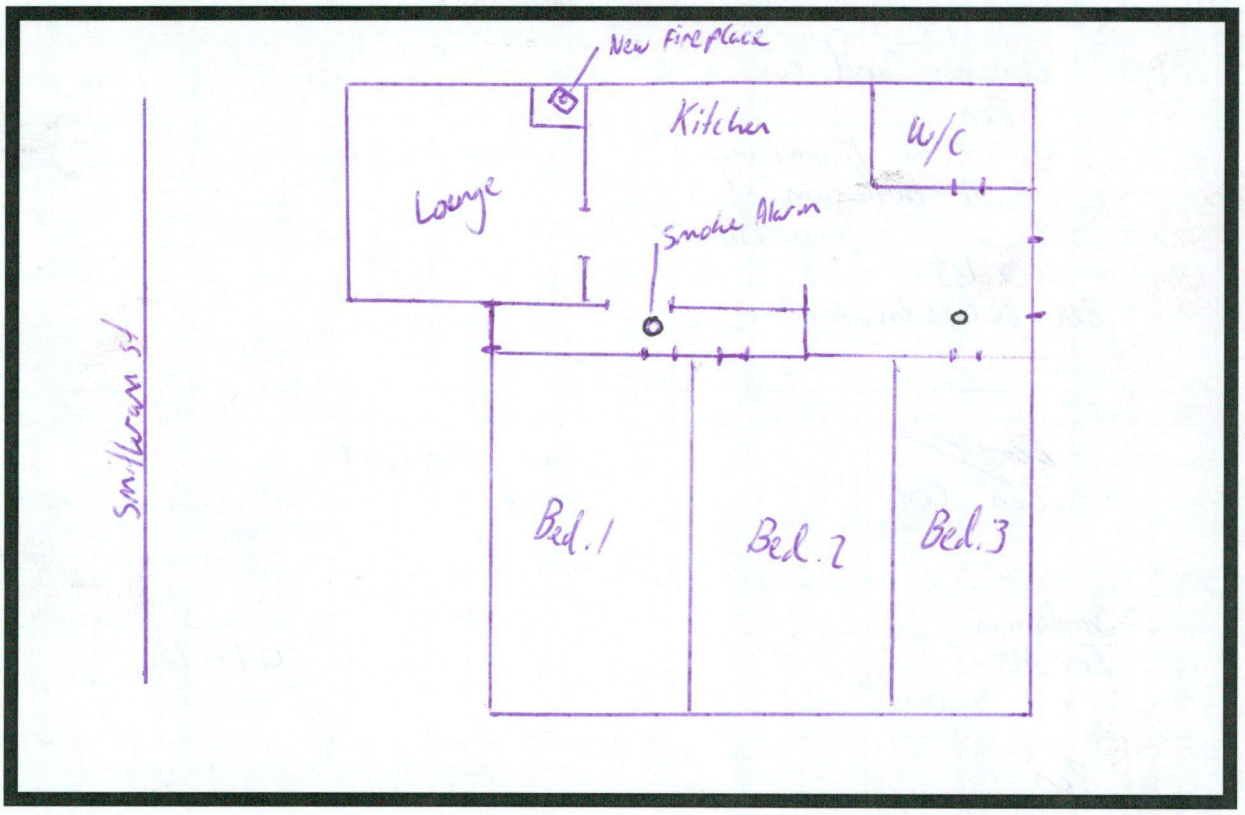
Details to Accompany this Application
☐ Floor plan of the Installation: A floor plan of the building showing the proposed sitting of the heater is required.

1. **Second Hand Solid/Liquid Fuel Burners cannot be installed unless:**
- Written evidence is provided to show that the appliance meets Building Code requirements. (An acceptable method is a satisfactory report from the manufacturer or manufacturers agent)
- A new inner flue is required in all cases.

2. **Draw a floor plan showing:**
- Location of the heater
- Location of all walls and doors, with all rooms named (for all floors)
- Location of existing/proposed smoke detectors that comply with the relevant standards must be marked with ***O*** (see attached sheet). These will be inspected and tested prior to issue of a Code Compliance Certificate.

3. **Show the location** of the existing water cylinder if a wetback / hot water booster is to be fitted.

4. **Liquid Fuel Storage:**
- Show type of fuel (e.g. diesel, home blend and kerosene), size and locations of the fuel storage tank related to the building and site boundaries. Wall openings (windows or doors) and wall cladding material within one metre of the storage tank vicinity should be shown (including neighbouring properties).



PRIVACY ACT 1993
The personal information requested on this form is being collected by the Building Consent Authority so that we can process the Building Consent application referred to. This information is required by the Building Act.

This information will be held by the Council. You may ask to check and correct any of this personal information if you wish. The personal information collected will not be shared with any units of the Council not involved in processing the application. However under the Official Information and Meetings Act 1987 this information may be made available to parties within and outside the Council.

Document Set ID: 1070547
Version: 1, Version Date: 18/11/2023

SEVENTH EDITION (3) JULY 1999

AGREEMENT FOR SALE AND PURCHASE OF REAL ESTATE

This form is approved by the Real Estate Institute of New Zealand and by the Auckland District Law Society.

DATE: 14/6/07

VENDOR: IAN HEDLEY WATSON & MAXINE WATSON.
P.O. BOX 5040 ASHBURTON

PURCHASER: BENJAMIN DAVID COX
RD 8 657 MAORAN ROAD ASHBURTON

COPY

PROPERTY
Address of property: 15 SMITHERAM STREET ASHBURTON
Estate: **FEE SIMPLE** ~~LEASEHOLD~~ ~~CROSSLEASE~~ ~~UNIT TITLE~~ (if none is deleted fee simple)

Legal Description:
Area: 763 M2 *Lot:* 26 *DP:* 3573. *CT:*
OR THERE ABOUTS

PURCHASE PRICE TWO HUNDRED AND TWELVE THOUSAND, FIVE HUNDRED DOLLARS
Purchase Price: $ 212500.00

Plus GST (if any) OR **Inclusive of GST** (if any).
If neither is deleted the purchase price includes GST (if any).

GST date: (refer clause 12)

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Deposit: (refer clause 2) $ 10,000.00 Payable to HARCOURTS upon CONFIRMATION OF SPECIAL CONDITIONS.

Balance of purchase price to be paid or satisfied as follows:

IN FULL FULL ON ~~DATE~~ JULY 1 POSSESSION.

POSSESSION (refer clause 3)
Possession date: 6 JULY 2007 OR ANY OTHER DATE MUTUALLY AGREED.

Interest rate for late settlement: 14. % p.a.

CONDITIONS (refer clause 8)
Financial condition (if any):
Lender:
Amount required:
Finance date:

LIM required: Yes/No (Yes) B.C MW JHW
OIA Consent required: Yes/No
Land Act/OIA date:

TENANCIES (if any)
Name of tenant:
Bond: **Rent:** **Term:** **Right of renewal:**

CHATTELS
The following chattels if now situated on the property are included in the sale.
(strike out or add as applicable):
STOVE ✓ ~~**TV AERIALS**~~ **FIXED FLOOR COVERINGS** ✓ **BLINDS** **CURTAINS** **DRAPES**
~~**TELEPHONES**~~ **LIGHT FITTINGS** ✓ TV AERIAL
B.C MW JHW

Sale by (name of real estate agent): Harcourts

B.C MW JHW

It is agreed that the vendor sells and the purchaser purchases the above described property, and the chattels included in the sale, on the terms set out above, and the General and Further Terms of Sale

Document Set ID: 10703417
Version: 1, Version Date: 18/11/2023

ASHBURTON DISTRICT COUNCIL

5 Baring Square West, Ashburton, New Zealand
e-mail info@adc.govt.nz Website www.ashburtondc.govt.nz

(BAM 208)

Category Level 2

Project No BC0471/09

PIM/BUILDING CONSENT COVER SHEET

OWNER CONTACT DETAILS	BUILDER CONTACT DETAILS
Owners Name B D Cox	Builder
Address 15 Smitheram St	Address
Site of Proposed Work Ashburton Number 15	Proposed Work Install a f/s Woodsman ECR mk II logfire
Street Smitheram St	Property Number 8021
District Ashburton	Valuation Number 24523129 00
Estimated Value of Work $ 2000	
Clock starts on the day application is received	

PIM	
Reduced / Intermediate / Full	$ 30
Receipt No: 209481	Date Paid: 17 / 6 / 09

CONSENT						
Administration	$ 20	Building Official: George Cuthbert				
Inspections	$ 100	Processing Details:				
Building Research Levy	$					
DBH Levy	$	Date:				Total:
District Plan Compliance	$	Time:				
Community Infrastructure	$	Date:				Total:
Development Contribution	$	Time:				
Vehicle Crossing	$	Date:				Total:
Service Charges	$	Time:				
Fire Service Charge	$	**Decision:** Issue BC & PIM.				
Compliance Schedule	$					
CCC Reduced/Intermediate/Full	$ 50	Signed:		Date: 22/06/09		
T & C @ $100/hr	$					
Total	$ 200	Receipt No. 209481		Date Paid: 17/6/09		
Further Payment Required		Yes / No				
48(2) Information Required		Yes / No				
Other Information Required		Yes / No				

ENTERED

Document Set ID: 1070547
Version: 1, Version Date: 18/11/2023

PIM/CONSENT CHECKLIST BC0471/09

OWNER:	B D Cox
CONTACT NAME & ADDRESS:	B D Cox 15 Smitheram Street ASHBURTON 7700
CONTACT PHONE:	027 320 7384
PROJECT LOCATION:	15 Smitheram Street ASHBURTON
LEGAL DESCRIPTION:	Lot 26 DP 13573
VALUATION:	2452312900
PROJECT DESCRIPTION:	Heating Unit Heating
BUILDER:	
DATE OF APPLICATION:	17/06/2009
CURRENT BUILDING USE:	N/A

Department	Comments	Approved By/Date
Planning Zoning Density / Coverage Height of Building Recession Planes Siting Outdoor living / service space Low / high risk flooding Car parking Loading areas, etc Landscaping Heritage Building Hazards Resource Consent required (Yes / No)? Other?		
Public Health		
Liquor Comments		
Water		
Sewer		
Stormwater		
Tradewaste		
Roading		
Dangerous Goods		
Ecan		
Building		

ENTERED

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ASHBURTON DISTRICT COUNCIL

5 Baring Square West, Ashburton, New Zealand
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BAM
Version:
Date:

PROJECT INFORMATION MEMORANDUM

(Building Prompt/Response Sheet)

Location:	15 SMITHFIELD STREET	**PIM No:**	
Activity:	HEATING UNIT	**BC No:**	0471/09
Officer *[print name & initials]*	GEORGE CUTHBERT.	**Date:**	22/06/09

		Response	Clause No:				
1	Sec 35(1)(e) – Evacuation Scheme	—		13	Ground Conditions	—	
2	Sec 36 – Development Contribution Notice	—		14	Asbestos Removal:	—	
3	Sec 37 – RMA Certificate	—		15	Demolition	—	
4	Sec 39 – NZ Historic Places Notification	—		16	On-Site Drainage	—	
5	Sec 75 (Building on two or more allotments)	—		17	Land Subject to Hazards	—	
6	Sec 118 – Access & Facilities	—		18	Snow Loading	✓	B18A
7	Sec 363 Advice – Public Premises	—		19	Wind Zone	✓	B19A
8	Earthquake Prone Building	—		20			
9	Ecan Discharge to Air	✓	B9C	21			
10	Ecan Effluent Disposal	—		22			
11	Ecan Stormwater Disposal	—		23			
12	Ground Vibration	—		24			

Building Comments/Clauses: .....

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ENTERED

Document Set ID: 1070547
Version: 1, Version Date: 18/11/2023

ASHBURTON DISTRICT COUNCIL

5 Baring Square West, Ashburton, New Zealand
e-mail info@adc.govt.nz Website www.ashburtondc.govt.nz

BAM
Version:
Date:

Building Consent Processing Sheet

Inspections and Documentation Required

Building Consent No: 0471/09	**Building Category:**
Project: HEATING UNIT	**Address:** 15 SMITHERAM STREET

Requirements PRIOR to work starting	

Code	Inspection Required	Response
I01	Siting/Footings	—
I02	Underslab – Plumbing & Drainage	—
I03	Foundations	—
I04	Blockfill	—
I05	Pre Pour Slab / Sub Floor	—
I06	Stormwater/foulwater Drainage	—
I07	Pre Wrap	—
I08	Pre Roof	—
I09	Pre Line Plumbing	—
I10	Pre Line Framing	—
I11	Pre Cladding / Cavity	—
I12	Half High Veneer	—
I13	Solid Plaster / Textured Coatings	—
I14	Post Line / Pre Stop	—
I15	Solid Fuel Heater	✓
I16	Effluent System	—
I17	Fire Safety	—
I18	Swimming Pool Fence	—
I19	Final - Building	—
I20	Final - Plumbing	—
	Total Inspections Required	1

Code	Documentation	Response
D01	Application for Code Compliance Certificate.	✓
D02	Energy Certificate - Electrical	—
D03	Energy Certificate – Gas	—
D04	Drainage Plan	—
D05	Fire Alarm Certificate of Compliance	—
D06	Test reports for backflow	—
D07	Ecan Resource Consent – effluent	—
D08	Producer Statement -Sprinkler System Certificate	—
D09	- Emergency lighting	—
D10	- Test Certifier Location Report	—
D11	Construction Statement - Plastering/Render	—
D12	- Waterproofing Membrane	—
D13	PS3/Construction review Tilt Panels, etc – of site works	—
D14	PS4/Construction review	—
D15	Test/Certificate for Oil Fired Fuel Storage Tank	—
D16	Surveyor's Certificate	—
D17	Spa Pool Exemption	—
D18	Certificate of Public Use	—
D19	Compaction Certificate	—
		1

Other Requirements and/or Inspections by Others:	

ENTERED

Building Official: Q CUTHBERT	**Signature:**	**Date:** 22/06/09

Tick (✓) for each inspection required	Strike Out When Not Applicable (strike line can be in any direction) ⊟

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ASHBURTON DISTRICT COUNCIL
5 Baring Square West, Ashburton, New Zealand
e-mail info@adc.govt.nz Website www.ashburtondc.govt.nz

Building Consent Processing Sheet
Solid Fuel Heaters

(BAM 101)

PROJECT DETAILS			
Building Consent No:	0471/09	**Category Level:**	
Name:	Cox		
Project Address:	15 SMITHERAM STREET.		

ITEMS TO BE CHECKED FOR COMPLIANCE: With NZ Building Act 2004, NZBC and Approved Documents		Plans/Specifications Checked: Complies / N/A to consent / Non-Complying	COMMENTS INCLUDING MEANS OF VERIFYING, ENDORSEMENTS, CONDITIONS and REQUIREMENTS
BUILDING CONSENT SPECIFICATIONS AND PLANS			
Fireplace/Solid Fuel Heater displayed on floor plan?		(YES) / NO	LOUNGE
Is the fire approved by MFE for specified project location?	MFE Requirement	(YES) / NO	ECAN APPROVED ERE041128
Manufacturers' specifications provided?		(YES) / NO	BROCHURE / CLEARANCES.
Smoke alarms specified and shown on plans?	AS/NZS 2918:2001	(YES) / NO	x 2 F7
Location of flue shown on roof plan?	AS/NZS 2918:2001	(YES) / NO	TO COMPLY WITH AS/NZS 2918:2001
FLASHINGS			
Chimney/flue flashing detailed?	AS/NZS 2918:2001	✓	DEKTITE E2.
WATER SUPPLY			
Wetback to be fitted?	G12	YES / (NO)	N/A
Is installer of wetback a registered plumber?	G12	YES / NO	N/A
Is the wetback a new system?	G12	YES / NO	N/A
Is a tempering valve specified for new wetback?	G12	YES / NO	N/A

OUTCOME	ISSUE BC & PIM		
SIGNED		**DATE**	22/06/09

ENTERED

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ASHBURTON DISTRICT COUNCIL
5 Baring Square West, Ashburton, New Zealand
e-mail info@adc.govt.nz Website www.ashburtondc.govt.nz

(BAM 212)
Project No
BC 0471/09

BUILDING CONSENT CHECKLIST – BUILDING CONSENT/PIM

Building Consent/PIM	Vetting Officer	AF	
Information for Consent	**Supplied**	**Not Applicable to Consent**	**Not Supplied**
Application form (fully completed and signed)	✓		
Site Plan – showing dimensions from boundaries etc.		✓	
Sufficient copies of plans showing ALL details	✓		
Sufficient copies of specifications specific to project	✓		
Certificate of Title or Sale and Purchase Agreement			
Bracing calculation, plan and producer statement			
Risk Matrix for E2 (additions and new buildings)			
Truss layout and fixing details			
Fire safety summary if required			
Producer statement (PS1)			
Floor height to ground level in flood risk areas			
Drainage and stormwater disposal systems			
Vehicle crossing (new and existing)			
Water supply identified if outside the network			

All above information supplied?		YES		NO
Request for further information made	**Signed**		**Date**	
Information now received	**Signed**		**Date**	
Application to be accepted and entered into Proclaim? 20 day clock begins upon entering of application into Proclaim.	AF	YES		NO
Signed		**Date**	18/6/09	

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Issued: 15 May 2008

woodsman

APPROVED BUILDING CONSENT DOCUMENTS
BIC 0471/09
ASHBURTON DISTRICT COUNCIL

Installation and Operating Instructions for the following Woodsman Models

These instructions should be read in conjunction with the flue installation instructions and drawings supplied with each HHF HeatSaver flue system.

Testing and Certification

MODEL	AS/NZS 2918:2001	AS/NZS 2918:2001, App E	AS/NZS 4012:1999	AS/NZS 4013:1999	ECan Cert Number
Blaze	Complies	n/a	66%	0.7g/kg	082947
Boston	Complies	n/a	67%	0.8g/kg	073734
DVI-165	Complies	Complies	66.6%	0.53g/kg	04002/3
ECR MkII	Complies	n/a	71.8%	0.80g/kg	071128
IMF	Complies	Complies	70%(est)	3.9g/kg	–
Manhattan	Complies	n/a	67%	0.8g/kg	073735
Milford	Complies	n/a	not tested	not tested	–
Pelorus -165	Complies	n/a	73.1%	0.89g/kg	04024
RMF	Complies	n/a	82.6%	3.9g/kg	–
RMF-RV	Complies	Complies	70%(est)	3.9g/kg	–
Regent	Complies	Complies	69%	0.9g/kg	072526
Strongman	Complies	n/a	not tested	not tested	–

harris HOME FIRES

TELARC REGISTERED SUPPLIER

KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE

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Minimum Safe Installation Clearances

FIG 1.

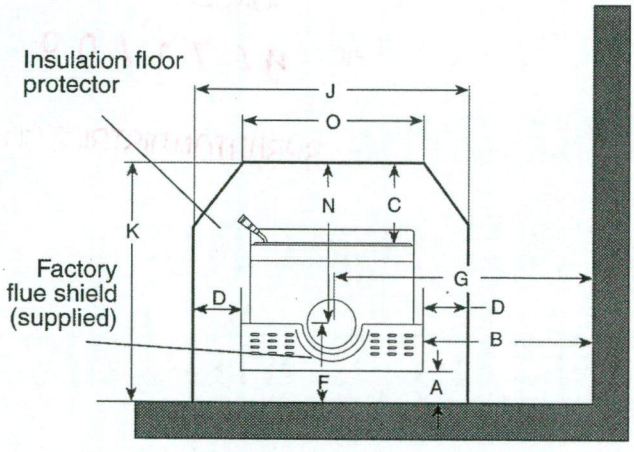
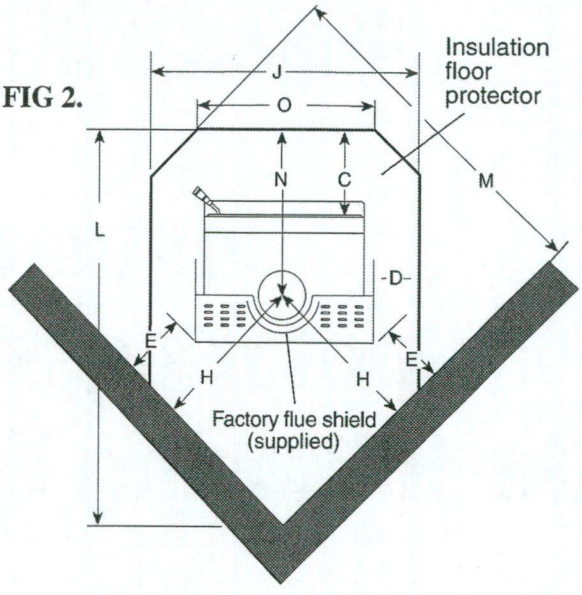


FIG 2.



	BLAZE	ECR MkII	MANHATTAN & BOSTON	MILFORD	PELORUS -165	RMF	RMF-RV	STRONGMAN
A	200	100	150	210	200	125	n/a	300
B	250	450	300	285	250	500	500	*875
C	300	300	300	300	300	300	300	515
D	150	150	150	150	150	150	150	150
E	100	200	140	100	75	180	n/a	380
F	371	251	318	381	371	276	n/a	441
G	560	740	610	628	593	790	790	**968
H	421	512	459	446	421	492	n/a	711
J	920	880	920	986	986	880	880	1015
K	1038	807	986	1054	1044	832	n/a	1364
L	1264	1280	1318	1303	1286	1252	n/a	1928
M	1113	1110	1151	1164	1139	1060	n/a	1616
N	669	556	668	673	673	556	n/a	923
O	620	580	620	686	686	580	580	715

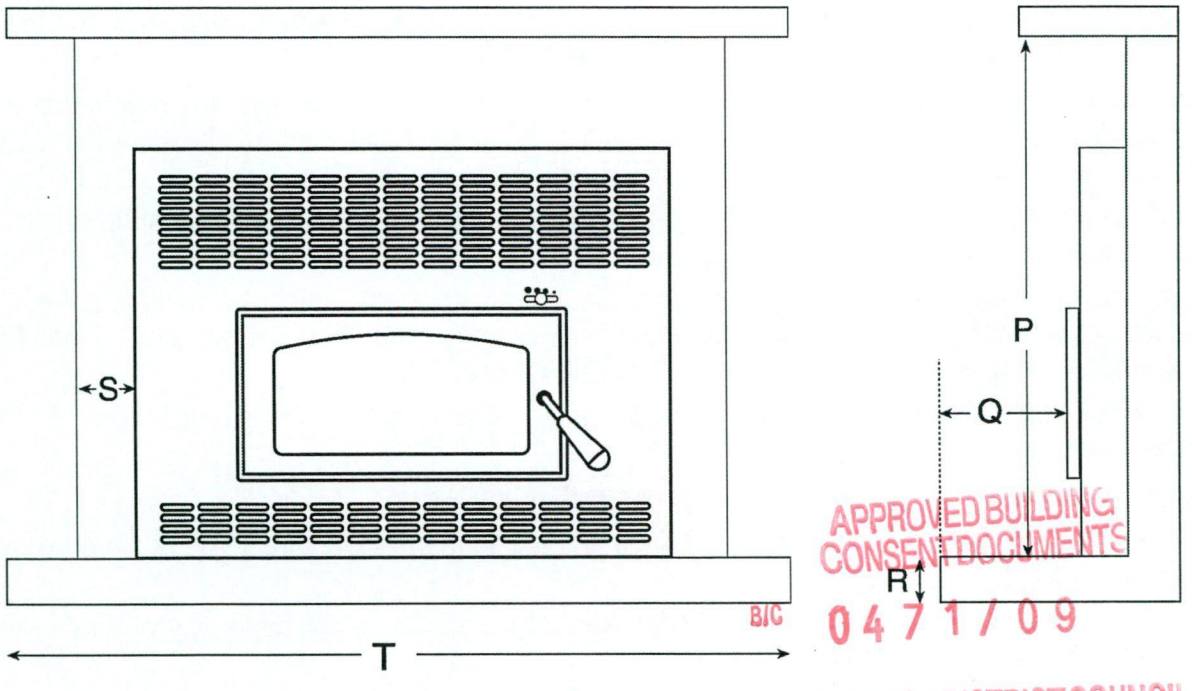
Table 1.

All dimensions are given in millimetres.

*610mm with firebox side panels fitted.

**703mm with firebox side panels fitted.

Minimum Safe Installation Clearances



APPROVED BUILDING CONSENT DOCUMENTS
0 4 7 1 / 0 9
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	DVI-165	IMF	REGENT	RMF-RV
P	930	980	923	913
Q^1	380	460	333	300
R^1	0	0	0	12
Q^2	352	408	309	-
R^2	13	25	13	-
Q^3	325	363	300	-
R^3	25	50	>18	-
Q^4	300	300	-	-
R^4	40	88	-	-
S	50	50	50	-
T	840	840	840	880

Table 2.

* If $Q = Q^1$, then $R = R^1$ etc.

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Installation Instructions

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

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

Warning: do not connect to an unvented hot water system.

Install in accordance with AS 3500.4.1 or NZS 4603 and the appropriate requirements of the relevant building code/codes.

-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 should extend not less than 300mm in front from the firebox door. (Refer FIG 1 & 2)

-Your appliance should be seismically restrained, including the floor protector.

Minimum Material Specifications for Floor Protectors:

MODEL	SPECIFICATION
BLAZE	8mm of ceramic tiles
ECR MkII	8mm of ceramic tiles
MANHATTAN & BOSTON	8mm of ceramic tiles
MILFORD	12mm HardiFlex
PELORUS-165	12mm HardiFlex
RMF (2007+)	8mm of ceramic tiles
RMF-RV	12mm HardiFlex
STRONGMAN	24mm Eterpan

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Minimum Flue Height

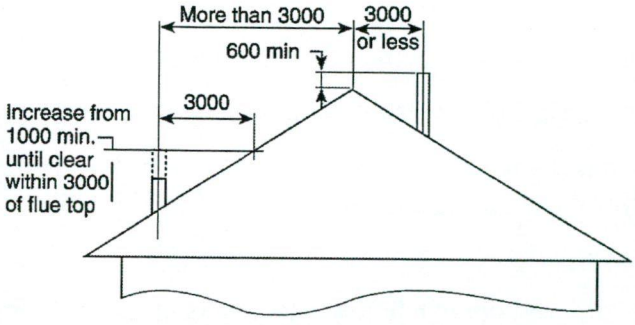
The top of the flue system should be at least 600mm above the highest point of the roof ridgeline, if the point of intersection of the flue system and the roofline is less than 3 metres from the ridgeline horizontally.

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)

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

FIG 3.

DIMENSIONS IN MILLIMETRES



MINIMUM HEIGHT OF FLUE SYSTEM EXIT

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 and 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 10 year 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 immovable 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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Operating Instructions
(Burning Wood)

Keep these instructions for future reference.

Important: ensure installation instructions have been adhered to before lighting the appliance.

Important: firewood should be loaded in a front to back direction when operating this appliance.

Warning: any modification of the appliance that has not been approved in writing by the testing authority is considered as breaching AS/NZS 4013.

Warning: do not use flammable liquids or aerosols to start or rekindle the fire.

Warning: do not use flammable liquids or aerosols in the vicinity of this appliance when it is operating.

Warning: do not store fuel within heater installation clearances.

For your comfort, it is advised that you light your first fire with the windows open to allow the escape of paint fumes. This will normally happen for the first 30 minutes of the first burn.

Fully open the heat control. Place wood kindling and paper or firelighter in the firebox. Ignite and leave the door partially open by resting on the catch until the fire is blazing (4-5 minutes), and burns well with the door closed. Do this only from a cold start. Once the fire is underway, adjust the heat control to suit. If the firebox or the flue becomes visibly red-hot, adjust the heat control to a lower heat position to avoid being unnecessarily harsh on the unit as well as wasting excessive heat up the flue.

Warning: always open the heat control before opening the fire door.

For long holding operation in a Clean Air Zone, level the ashes and load with the firewood lying front to back, rather than left to right. After loading new wood, operate the fire with the heat control fully open for 20 minutes before closing the heat control to the lower burning position. By following this simple method of low burn firing, you will achieve very low emission rates and obtain the high efficiency burn that is associated with the Woodsman product.

The fuel approved for use in Clean Air Zones in this appliance is wood with a moisture content of less than 25% of dry weight. This usually means green timber left for at least three months to air-dry.

Caution: the use of some types of preservative-treated wood as a fuel can be hazardous.

Caution: this appliance should not be operated with a cracked glass.

Caution: this appliance should be maintained and operated at all times in accordance with these instructions.

Operating Instructions
(Multi-fuels)

Your Woodsman Multi-fuel will operate perfectly well burning coal, wood, briquettes or a mixture of any of these. Often the hottest temperatures are achieved by burning a mixture of wood with coal laid over the top.

The appliance has two heat controls. The High – Low control to the left of the ash pan door is for use when burning coal, briquettes, or a mixture of wood and coal. The High – Low control above the fire door is for use when burning wood only.

Set the fire using kindling wood and paper (or a solid fuel lighter), light and close the door, set the lower High – Low control on High and the upper High – Low control on Low. Once the fire is burning brightly, decide if wood or coal is to be used. If coal is to be burned, lay the coal over the burning fire and adjust to suit. If wood is to be burned, place dry logs on the fire and set the lower control to Low and the upper control to suit the required burning rate.

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Important: Ensure the ash pan door is closed firmly before lighting, and remains so during use. **Do not** have both controls fully open at the same time. If burning wood, the lower control should be fully closed; if burning coal, the upper control should be set to Low.

If the ash pan door knob is removable, it should be removed while the stove is in use. This is a safety feature designed to avoid the ash pan door being opened by children in particular, and risking any overheating of nearby combustibles by the increased combustion rate.

Creosote Formation

A small intense fire is preferable to a large smouldering one, to reduce the amount of creosote. When wood is burned slowly it produces tar and other organic vapours, which combine with expelled vapour to form creosote. These creosote vapours condense in the relatively cool flue of a slow burning fire. As a result, creosote residue accumulates on the flue. When ignited, this creosote makes an extremely hot fire.

The flue should be checked at least every 2 months, during the burning season, to determine if a creosote build up has occurred. If this is the case, it should be removed by a chimney sweep to reduce the risk of an unexpected flue fire.

Your appliance has been designed to produce low levels of creosote at high and low settings.

In the event of a chimney fire, close the firebox door, fully close the heat control, vacate the premises and call the fire service.

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Storage of Fuel

Do not store fuel within installation clearances or within the space required for refuelling or ash removal.

Disposal of Ashes

Ashes should be placed in a metal container with a tight-fitting lid. The closed container of ashes should be placed on a non-combustible floor or on the ground well away from all combustible materials, pending final disposal once cooled.

The door must be closed at all times during the operation, except during refuelling and occasional poking of the fire when necessary. Ensure door seals are maintained in good condition.

Your appliance and flue system should not be modified in any way without the approval of the manufacturer.

Manufactured by W H Harris Ltd
Trading as Harris Home Fires
PO Box 4043
41 Braddon Street
Christchurch
New Zealand

harris HOME FIRES

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15 May 2008

woodsman

10 YEAR WARRANTY

This WOODSMAN fire is warranted for a period of 12 months to the original purchaser, from the date of purchase, against defects of manufacture. If a defect occurs, inform your dealer and the part will be repaired or replaced at our option.

This warranty does not cover damage caused by mishandling, misuse, failure to follow the manufacturer's installation and operating instructions, or work done by others, such as installers, or plumbers etc.

Your WOODSMAN firebox is then covered by a further nine year warranty against defect during normal domestic use.

In the case of a claim after the first 12 months, it shall be the owner's responsibility and expense to deliver the WOODSMAN fire to the dealer from whom it was purchased, and the reinstallation after any repair has been made.

The manufacturer shall not be responsible for site conditions such as insufficient draught, downdraughts, or routine servicing and adjustments.

Exempted from any warranty are any door glass, firebox baffle, firebox air tube, grate and firebricks. Your high temperature paint finish is warranted for 12 months from date of purchase.

Any factory fitted water heating system is warranted against leakage for a period of 6 months from purchase.

Please complete this form following installation, attach your copy of the Sales Invoice and file securely. This form and the Sales Invoice will be required to be sighted in the event of a Warranty claim.

OWNER'S NAME: _____

ADDRESS: _____

_____

MODEL: ECR MK2
SERIAL No: 1778

Date Purchased: / /

INSTALLED BY: _____

_____

harris HOME FIRES

41 BRADDON STREET, PO BOX 4043, CHRISTCHURCH, NEW ZEALAND.
Phone 03 366 1796, Fax 03 366 1795
Email: sales@hhf.co.nz, Website: www.harrishomefires.co.nz

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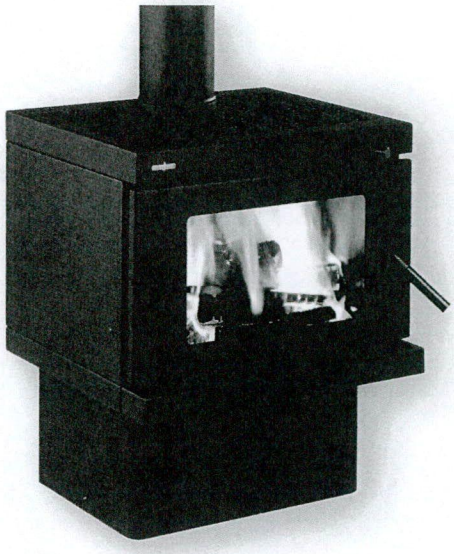
Blaze

The Blaze is a "no-frills" wood fire, made for performance and functionality, and is fantastic value for money. Its cook top - with a split cover - offers a huge advantage as you can cook directly on the firebox during power cuts or in winter when you want to reduce your electricity use.



- 18 kW output
- 0.7 g/Kg emissions
- 66% efficiency
- NES and ECan Clean Air approval pending
- Available in black
- 6 mm steel firebox for durability
- 10 year warranty

ECR Mk II

A true radiant fire, the Woodsman ECR Mk II features a unique "half shell" body. This exposes the firebox itself, providing direct radiant heat for optimum efficiency. The design gives access to the top of the firebox, for cooking, a benefit in holiday homes and during power outages. Outstanding value.

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- 16 kW output
- 0.8 g/Kg emission rating
- 71.8% efficiency
- Complies with NES and ECan Clean Air requirements
- Available in black
- Radiant stove
- 6 mm steel firebox for durability
- 10 year warranty

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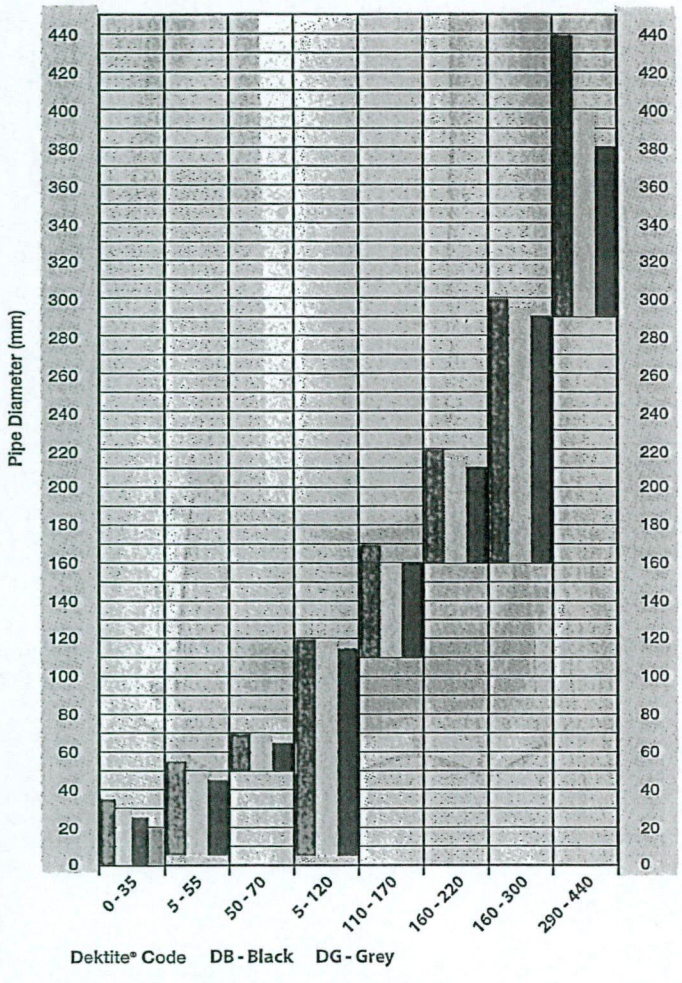
NZHHA

New Zealand Home Heating Association Inc.

Dektite®

INSTALLATION INSTRUCTIONS

Dektite® Selector Chart

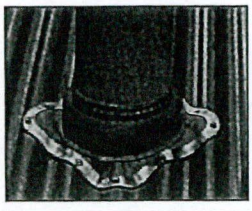


- From 0 to 30° pitch
- From 30 to 35° pitch
- From 35 to 45° pitch
- From 45 to 60° pitch (DFE 0-35 only)

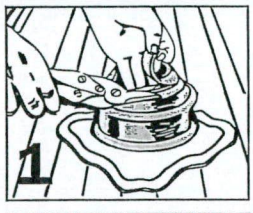
Step 1
Select the pitch of your roof and choose your colour

Step 2
Select the pipe diameter

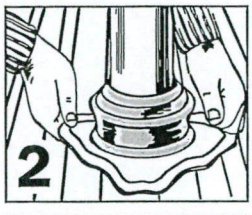
Step 3
Read across until you reach your colour



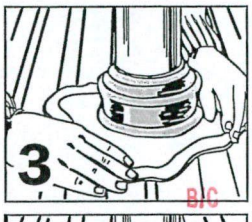
For more effective drainage always fit the Dektite on the Diamond as shown.



Cut a neat hole in roofing sheet with minimum clearance for pipe and insert pipe through hole. Trim the cone to suit pipe size using sharp tin snips. (Where necessary, support cut sections of sheet with additional timber framing).



Slide Dektite® flashing down over pipe. Lubricating the pipe with water allows the pipe to slide snuggly into position.



Press base to the roof profile by hand, smooth out any awkward creases. Don't fully extend to allow for vibration.

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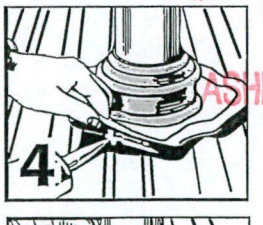
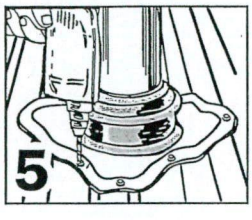


Apply a neutral cure silicone* sealant by turning back the flexible flange.

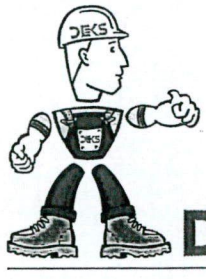


Fasten using class 4 coating washered screws. Fit fasteners progressively outward in opposing pairs to avoid gaps.

Silicone Sealants

Use only Neutral Cure, Alcohol free, Low Modulus Sealant (Silicone). Deks Industries have trialed the following silicone sealants and found them to provide a satisfactory seal between the EPDM and most commonly used roofing materials.

- OCI Roof and Gutter N-192, Silicone Sealant
- Selleys® Roof & Gutter Silicone Sealant
- Sikasil®-C Multipurpose Silicone Sealant
- Bostik Findley Roof & Gutter Silicone Sealant
- Dow Corning® 791 Silicone Weatherproofing Sealant



Dektite®

First and the Best!

HINT: When flashing a metal flue that has an exposed seam, using a neutral cure sealant, seal the seam from underside of cowl to the top of Dektite® cone.

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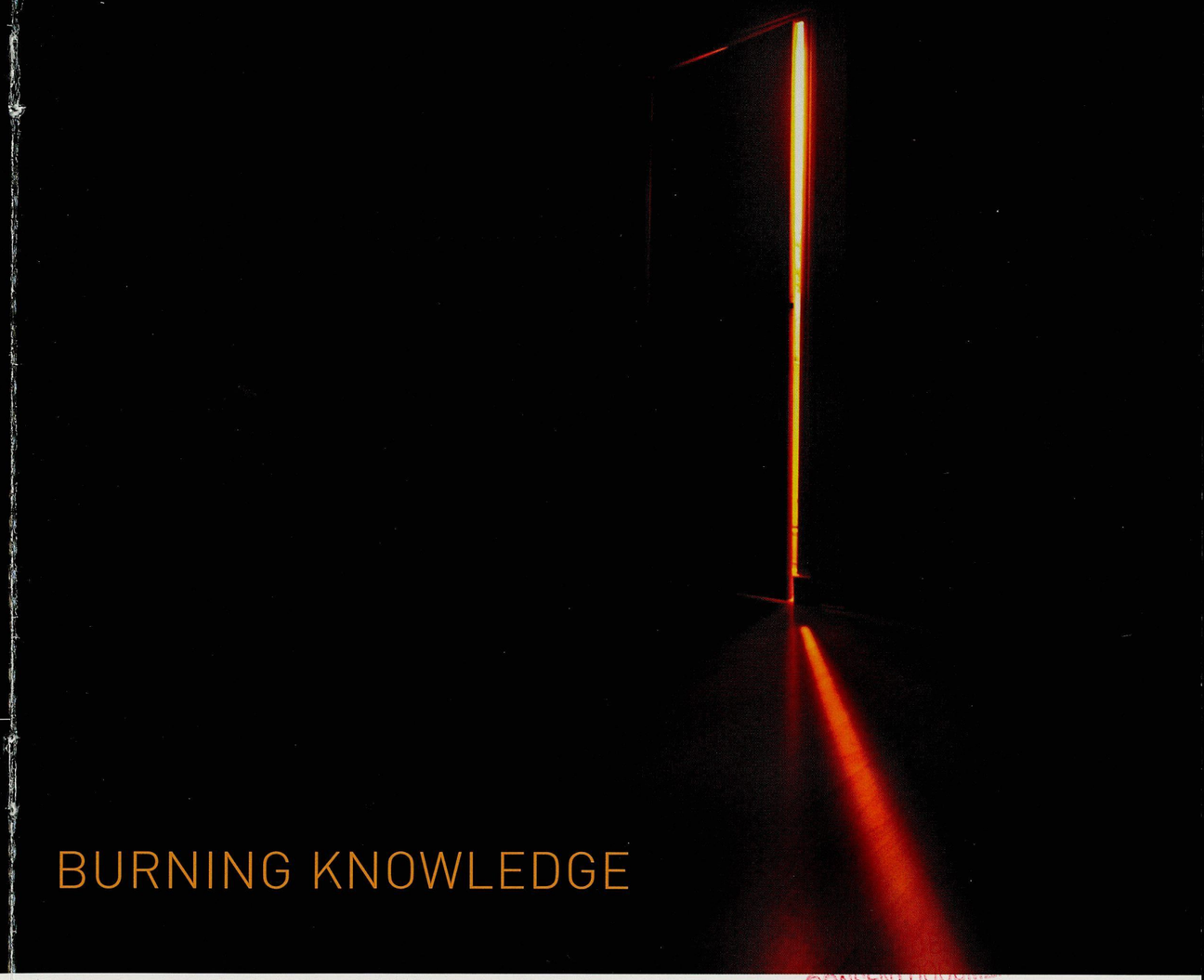
WOOD



BURNING KNOWLEDGE

Harris Home Fires range of wood, multi-fuel, pellet, oil and gas fires includes insert, zero-clearance and freestanding models in both traditional and contemporary styles, offering a heating solution to suit any home. With over 40 years of solid fuel fire manufacturing to their name and more than 120 years in the industry, Harris Home Fires lead the way in home heating.

W H Harris Ltd.
41 Braddon St, Addington
Christchurch, 8140
New Zealand

Phone + 64 3 366 1796
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sales@hhf.co.nz
www.harrishomefires.co.nz

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Manhattan

Innovative and modern, the Manhattan's contemporary styling and generous firebox makes it ideal for today's spacious, open-plan homes. Its outstanding design is achieved without compromising functionality - delivering a high heat output and excellent efficiency.

- 18 kW output
- 0.8 g/Kg emission rating
- 67% efficiency
- Complies with NES and ECan Clean Air requirements
- Available in a 2 tone charcoal and silver finish
- Convection stove
- 6 mm steel firebox for durability
- 10 year warranty

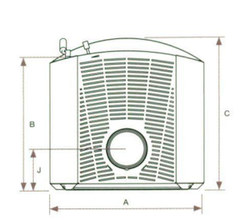
Boston

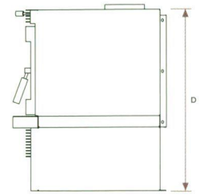
Timeless styling and clean lines make the very adaptable Boston wood stove equally at home in modern and traditional settings. Its efficiency and high heat output make it a great choice for open-plan living and larger rooms.

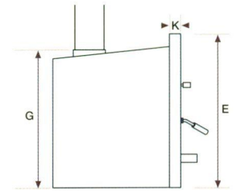
- 18 kW output
- 0.8 g/Kg emission rating
- 67% efficiency
- Complies with NES and ECan Clean Air requirements
- Available in a 2 tone black and charcoal finish
- Convection stove
- 6 mm steel firebox for durability
- 10 year warranty

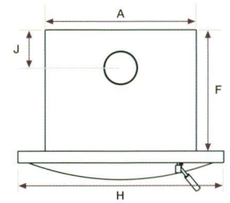
Dimensions (mm)

		MANHATTAN	BOSTON	BLAZE	ECR Mk II	REGENT	R33
A	Overall Stove Width	620	620	620	600	590	570 Front 450 Back
B	Stove Depth - Door to Rear	570	570	538	400		430
C	Overall Stove Depth - Ledge to Rear	620	620	580	450		430
D	Overall Stove Height	740	740	740	620		800
E	Insert Fascia Height					645	
F	Insert Depth					480	
G	Insert Maximum Height					590	
H	Insert Fascia Width					800	
J	Flue Centre to Back of Unit	168	168	171	150	150	142
K	Insert Fascia Depth					48	





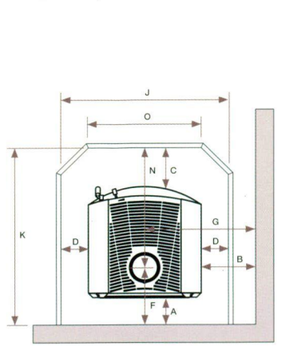


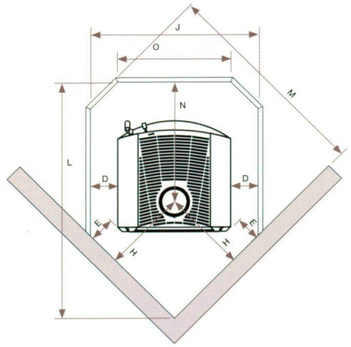


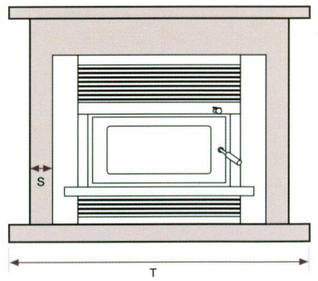
Clearances (mm)

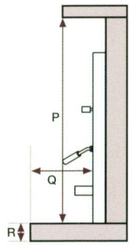
	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q1	R1	Q2	R2	Q3	R3	S	T
MANHATTAN	150	300	300	150	140	318	610	459	920	986	1318	1151	668	620									
BOSTON	150	300	300	150	140	318	610	459	920	986	1318	1151	668	620									
BLAZE	200	250	300	150	100	371	560	421	920	1038	1264	1113	667	620									
ECR Mk II	100	450	300	150	200	251	740	512	880	810	1280	1110	560	580									
REGENT															923	333	0	309	13	300	>18	50	840
R33	160	300	300	150	175	281	585	413	871	817	1120	995	536	571									

NOTE: All Specifications are subject to change without notification. Please refer to the installation instructions when installing your Woodsman fire.









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NZHHA
New Zealand Home Heating Association Inc.

WOOD IS GOOD

10 reasons to buy a wood fire.

1. Wood fires are designed to heat entire homes, not just a room
2. Wood fires use the world's No.1 sustainable fuel, wood!
3. Wetbacks can be fitted to some wood fires, which can heat the entire home's hot water needs
4. The fuel wood is carbon neutral
5. Can be used for cooking – again great during power cuts
6. Running a wood fire is the cheapest form of heating
7. Wood fires are an attractive and permanent complement to your interior.
8. When power cuts hit, wood fires keep on going, and going!
9. Give your family the advantage of having a dry, healthy home – unlike unflued gas and other moisture producing forms of heating
10. Wood fires offer great performance, great styling with real flames, and make any home warm and cozy!

woodsman

Blaze

The Blaze is a "no-frills" wood fire, made for performance and functionality, and is fantastic value for money. Its cook top - with a split cover - offers a huge advantage as you can cook directly on the firebox during power cuts or in winter when you want to reduce your electricity use.

- 18 kW output
- 0.7 g/Kg emissions
- 66% efficiency
- NES and ECan Clean Air approval pending
- Available in black
- 6 mm steel firebox for durability
- 10 year warranty

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woodsman

ECR Mk II

A true radiant fire, the Woodsman ECR Mk II features a unique "half shell" body. This exposes the firebox itself, providing direct radiant heat for optimum efficiency. The design gives access to the top of the firebox, for cooking, a benefit in holiday homes and during power outages. Outstanding value.

- 16 kW output
- 0.8 g/Kg emission rating
- 71.8% efficiency
- Complies with NES and ECan Clean Air requirements
- Available in black
- Radiant stove
- 6 mm steel firebox for durability
- 10 year warranty

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Regent

One of the most efficient "insert" wood fires on the market today. With classic, clean lines and modern styling, the Regent will suit both traditional and more minimalist interiors. The Regent is the perfect option to replacing your old insert fire or open fire, and with its low emissions, you're helping the environment too.

- 14 kW output
- 0.9 g/Kg emission rating
- 69% efficiency
- Complies with NES and ECan Clean Air requirements
- Available in black
- 10 year warranty

Zero-clearance cabinet now available.

R33

Thermostatic remote control

High performance, with a remote control so you can operate your fire with the push of a button!
(Low burn, high burn or dancing flames, slow down or re-activate - you decide.)
A remote thermostatic control system also means you can also set the desired room temperature.

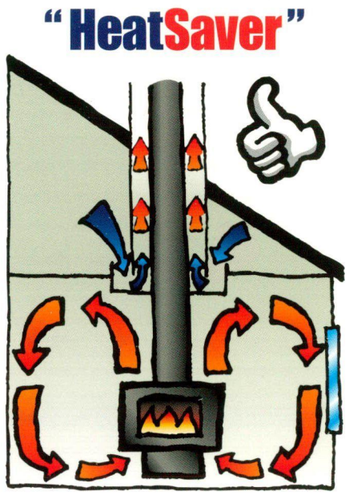
- Integrated primary and secondary combustion systems
- Efficient airwash system for a continuous clean glass
- Ignition booster for a fast start
- Large ash pan
- Complies with NES and ECAN requirements
- 0.72g/Kg emission rating
- 66.2% efficiency
- 14kW output
- 3 year warranty

HeatSaver FLUE SYSTEM

Energy conscious homeowners are demanding greater efficiencies in home heating.
As a result of this, Harris Home Fires have refined their existing design and produced the new HeatSaver flue system.

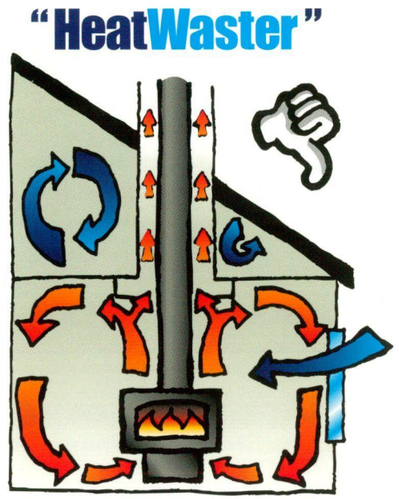
The HeatSaver flue system allows you to heat your home more efficiently by retaining the heat inside your home.
Unlike conventional flue systems that draw warm air from within the room to cool itself, the HeatSaver draws its cooling air from either the ceiling cavity or outside the home if no ceiling cavity exists, thereby retaining precious warmth.

Insist on a HeatSaver flue system with your new solid fuel fire and enjoy increased warmth through greater efficiency.



Installation with a HeatSaver flue system

The above diagram illustrates a HeatSaver flue system drawing its cooling air from the ceiling cavity, not from the room the fire is heating. This flue system allows you to retain the heat inside your home.



Installation with a Conventional flue system

This diagram shows a conventional flue system drawing its cooling air from within the room, and replacing it with cold air drawn from outside the home. With this flue system, the warmest air produced by your fire is wasted outside.

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Minimum Heights Metro Flue Systems (ALL) In compliance with AS/NZS2918:2001.

The Metro ECO Flue Systems comply with AS/NZS2918:2001 and its 4.6 metre height requirement (4.6 metre minimum from the top of the floor protector to the top of the flue pipe). However as external structures and the proximity of other buildings will differ for every installation, some situations will require additional flue height to comply with the standard.

Refer to Diagrams 3 and 4 below. (All measurements in mm)

Note: AS/NZS2918:2001 Section 4, details flue system installation requirements in full.

Diagram 3

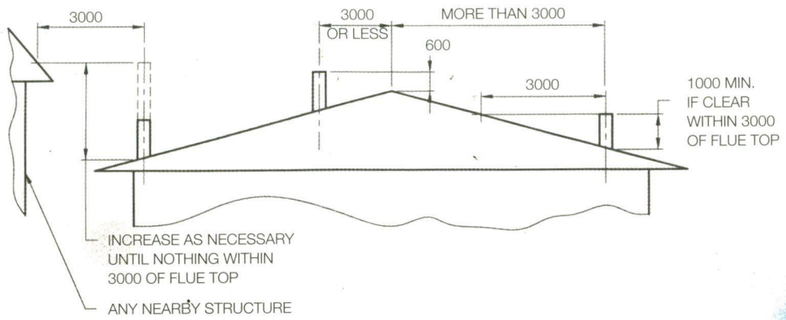
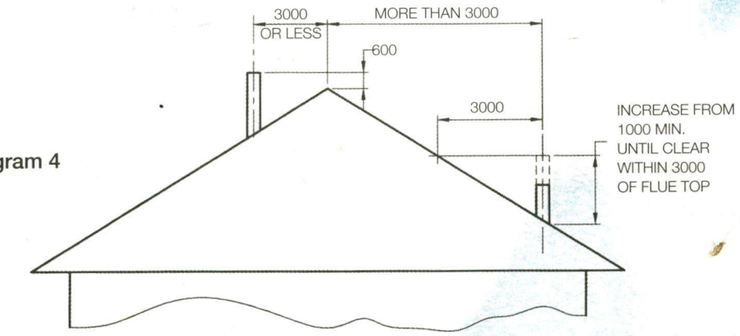


Diagram 4



PIONEER
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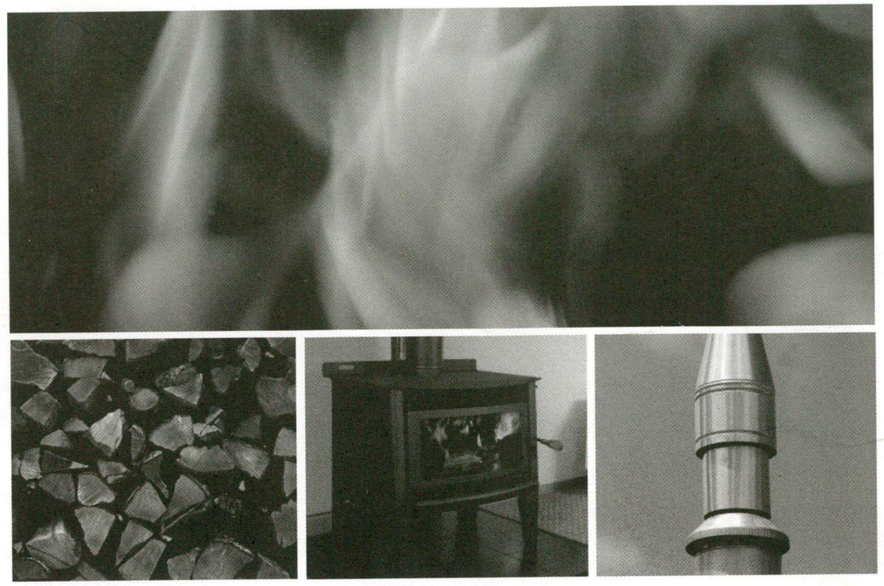
– MAY 2009

ECO Flue System Installation Manual



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ECO Flue Systems

Freestanding Flue Systems
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SOLAR INDUSTRIES ASSOCIATION

⚠ WARNING! Important Information

- **Metro ECO Base Flue Systems must be installed to allow unrestricted air supply from either the ceiling cavity for an eco base kit, or above the roof line if the base & option kits are both installed. Please read these and familiarise yourself with the installation options and various components of the ECO Flue Systems**
- **The ECO Base Flue System must be installed into a "vented" flat ceiling cavity, or have an ECO Option Kit added to the flue system to provide an external air supply**
- **The ECO Flue Systems shall be installed in accordance with AS/NZS2918:2001 and the appropriate requirements of the relevant building codes**
- **Any modification to this flue system that has not been approved in writing by the testing authority is considered to be in breach of all approvals granted**

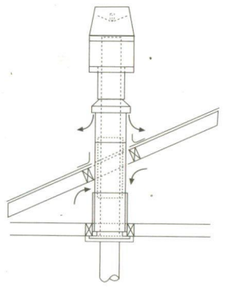
⚠ CAUTION! Important Information

- **Mixing of flue system components from different sources or modifying the dimensional specification or components may result in hazardous conditions. Where such action is considered, the manufacturer should be consulted.**
- **Prior to installing the assembled flue pipe into the masonry chimney cavity, take careful note to ensure there are no overhead power lines in close proximity.**

Installation Options ECO Flue Systems

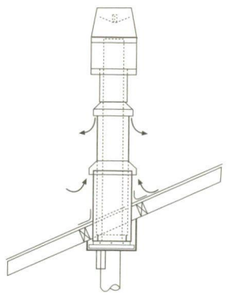
Detailed below are the more common installation methods for installing Metro ECO Flue Systems. To ensure a safe and efficient installation, this flue system must be installed as detailed below by either a registered installer, or someone competent in installing solid fuel appliances.

Single Storey Installations



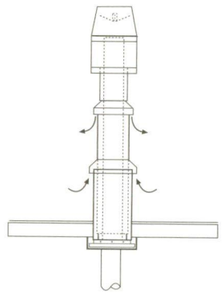
FLAT CAVITY CEILING

ECO Base Flue System only required as air is drawn into the flue system direct from the ceiling cavity.



SLOPING CEILING

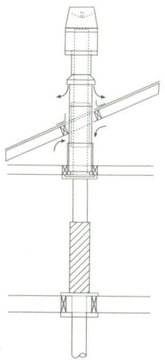
Both the ECO Base Flue System and Option kit are required to enable air to be drawn from outside the home.



FLAT CEILING/ROOF

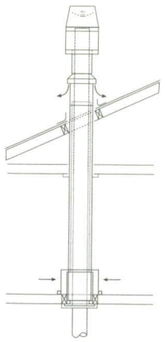
Requires both ECO Base Flue System and Option kit as per sloping ceiling unless a vented ceiling cavity exists.

Two Storey Installations



2ND FLOOR
EXPOSED FLUEPIPE

Requires an ECO Base Flue System only with additional lengths of Fluepipe, a floor penetration kit, 1 x 1200mm long mesh/screen.



2ND FLOOR
ENCLOSED FLUEPIPE

Requires an ECO Base Flue System only with additional lengths of Fluepipe, 200mm & 250mm inner/outer combination liners, an ECO 2nd floor vent cover and an additional ceiling plate with a 250mm diameter hole.

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Installation Instructions ECO Insert Flue System

This flue system has been manufactured and complies with AS/NZS2918:2001. To ensure a safe and efficient installation, this flue system must be installed as detailed below by either a registered installer, or someone competent in installing solid fuel appliances.

1. Check the masonry chimney for structural soundness and make any repairs that are necessary.

   Note: Most councils require the masonry chimney to be inspected prior to installation. The masonry chimney cavity must also be swept prior to installation.

2. Once the fireplace insert has been installed correctly as per the manufacturers instructions, look directly down the chimney to ensure the wood fire flue spigot is in line with the masonry chimney. (A torch will be required).

3. If you cannot see the flue spigot, a fluepipe offset will be required. If so, install the fluepipe offset so the top of it can be clearly seen from the top of the masonry chimney.

4. If an offset is required, an adjustable telescopic type is recommended. Measure the amount of offset required and adjust the telescopic offset to suit, after smearing an adequate amount of Pioneer fire cement onto the slip section of the offset to ensure a good seal, then rivet the offset in three locations around its circumference. (If the offset is used in its fully compressed form, it will be necessary to modify the end of the female slip section otherwise it will restrict the internal diameter) Apply a liberal amount of Pioneer fire cement into the flue outlet of the fireplace insert, and fit the lower crimped end of the offset into position inside the flue outlet, and bolt into position.

   Note: In some installations where it is not possible to fit offsets or rigid fluepipe due to the shape of the masonry chimney cavity, "Flexi flue" may be used.

5. Secure the fluepipes together and ensure the flue seams are in line. Fluepipe joints must be fully compressed with a considerable amount of fire cement to ensure a good seal, and then riveted together at 3 even points around the flue join. Prior to installing the assembled fluepipe into the masonry chimney cavity, take careful note to ensure there are no overhead power lines in close proximity.

6. Lower the fluepipe into the masonry chimney, with the crimped end fitting into the fireplace insert flue outlet/ offset, and securely attach with three rivets. (offset/bend must be riveted to the fluepipe) For installations where extra lengths of fluepipe are required, or when the weather is poor, it will be easier to assemble the fluepipe lengths as they are lowered into the masonry chimney.

7. Secure the outer casing to the masonry chimney with suitable fasteners and weatherproof/seal to the masonry chimney top with mortar or silicone. Note: The top of the outer casing must be "level" (+ or - 10mm) with the top of the 150mm stainless steel fluepipe. An optional masonry chimney flashing plate is available if required.

8. Assemble the ECO vertical discharge cowl as follows;

- Take the stainless steel weather butterfly (A) so the angled sections are facing up and fold "up" both arms at the slot provided to just over 90 degrees as shown.
- With both arms and angled sections of the stainless steel weather butterfly (A) facing up, fit it into the stainless steel cowl housing (B), and secure in position through the holes provided with stainless steel rivets.

  Note: Once fitted the weather butterfly will be slightly angled within the cowl housing.

- Now fit the base of the cowl housing (B) over the brackets of the outer casing extension (C) ensuring the 3 x prepunched holes punched in its lower skirt align centrally over the 3 brackets attached to the casing extension as illustrated. Push the cowl housing down fully until its internal swage rests on the casing extension brackets (the brackets should be "just but fully" inside the base of the cowl housing). Drill through the 3 pre-punched holes in the cowl housing through the 3 brackets and secure with stainless steel rivets.

  The removable section of the ECO cowl is now fully assembled.

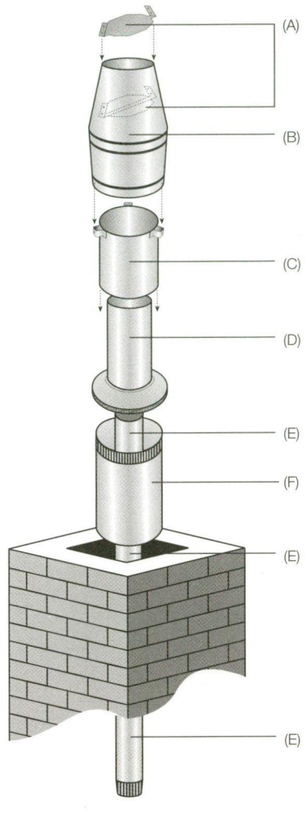
9. Making your way back onto the roof, fit the 480mm long fluepipe extension/flashing cone (D), with the flashing cone at the bottom, fit its short flue section inside the top of the already installed 150mm diameter flue pipe. Ensure the 3 brackets extended below the flashing cone fit "outside" the outer casing slip section. Drill through the pre-punched hole in all 3 brackets into the outer casing slip and secure with rivets.

10. Taking the "removable section of the ECO cowl" assembled in section 8 above, position it over the top of the stainless steel flue pipe extension, and slide it down fully. This removable section does not require riveting and therefore enables easy removal for future flue cleaning.

Component Checklist ECO Insert Flue System Kit

Please read these instructions fully prior to installation of the Insert Flue System and familiarise yourself with all the various components as illustrated right and listed below.

Note: Rivets and fire cement are not included as they are supplied by the installer.



ECO INSERT FLUE SYSTEM KIT COMPONENTS

(A) 1 x Stainless steel weather butterfly

(B) 1 x Stainless steel ECO cowl housing

(C) 1 x 225mm x 200mm diameter stainless steel outer casing extension

(D) 1 x 480mm long stainless steel flue pipe extension with flashing cone

(E) 3 x 1200mm x 150mm diameter stainless steel flue pipe

(F) 1 x 600mm x 250mm diameter galvanised outer casing

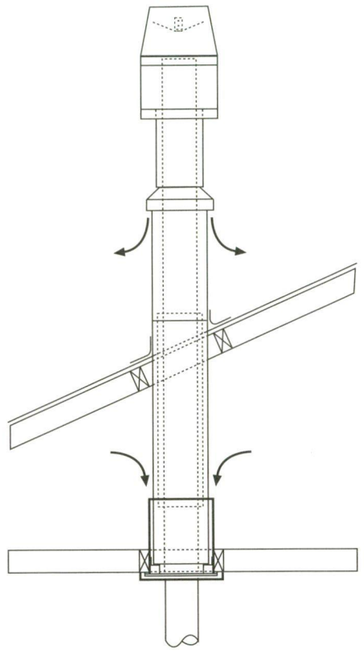
Component Checklist ECO Base Flue System Kit & ECO Option Kit

Metro offer both the ECO Base Flue System, which is designed to be installed on its own and the ECO Option kit which is designed to be installed in conjunction with the ECO Base Flue System. The specific application for each of these two options is detailed below.

Metro ECO Base Flue System Kit - Metro ECO Base Flue Systems are designed for installation into a building that has a "ceiling cavity" with unrestricted air supply as is the case with conventional homes. A vented ceiling cavity is required as the base kit draws its cooling air from the ceiling cavity.

Metro ECO Option kits - The Metro ECO Option kit is designed to be "added to" the Metro ECO Base Flue System for installations that do not have a vented ceiling cavity and require the flue systems cooling air to be drawn in from above the roofline (outside the building).

ECO BASE FLUE SYSTEM ASSEMBLED



ECO BASE FLUE SYSTEM COMPONENTS

(A) 1 x Stainless steel weather butterfly

(B) 1 x Stainless steel ECO cowl housing

(C) 1 x 225mm x 200mm diameter stainless steel outer casing extension

(D) 1 x 480mm long stainless steel flue pipe extension with flashing cone

(E) 1 x 1200mm x 150mm diameter stainless steel flue pipe

(F) 1 x 1200mm x 250mm diameter galvanised outer casing with 750mm long slip section

(G) 1 x 800mm x 200mm diameter galvanised inner casing

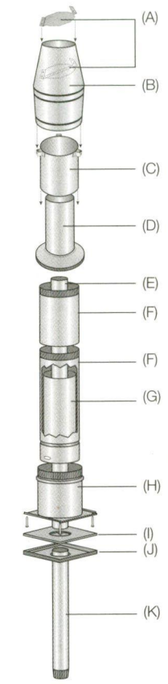
(H) 1 x Galvanised mounting plate with brackets and 300mm long x 300mm diameter casing attached

(I) 1 x insulation gasket

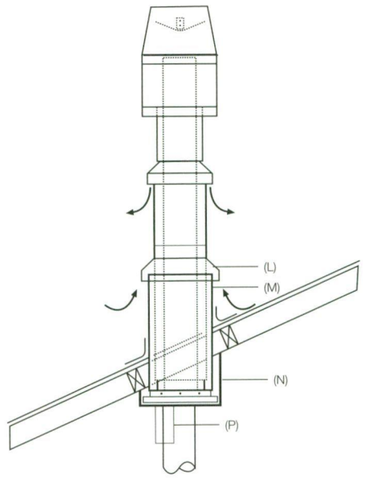
(J) 1 x black clip-on ceiling plate

(K) 2 x 1200mm lengths of 150mm diameter stainless steel flue pipe painted metallic black

(+) - 1 x Plastic bag of assembly bolts



ECO BASE FLUE SYSTEM & ECO OPTION KIT ASSEMBLED



ECO OPTION KIT COMPONENTS

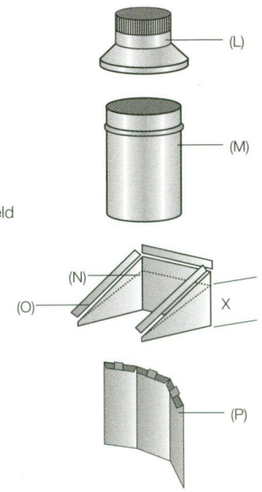
(L) External intake flashing cone

(M) 300mm diameter outer liner extension

(N) Drop box infill panel

(O) Drop box edge covers

(P) Ceiling plate mounted heat shield



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Installation Instructions ECO Base Flue System

Having positioned the wood fire in the desired location, check to ensure the wood fire and floor protector have adequate clearances/projections, and that the flue system is clear of ceiling joists, trusses etc. (refer to the wood fire Installation and Operation Manual).

Note: ECO Flue Systems use stainless steel brackets enabling movement due to expansion, while centralising flue pipes and casings. These brackets may require resetting after transport, if they are too loose or tight during assembly;

1. At a point directly above the wood fires flue centre, cut a 300mm square hole through the ceiling and a 250mm diameter hole through the outer roof lining providing it is non combustible (iron, tiles etc) otherwise cut a 250mm square hole through the roof lining. "Trim out" the top face of the ceiling using timber nog's creating a square aperture measuring 300mm internally.

   Note: Certain flashing manufacturers detail specific size and shape of the aperture to be cut for their flashing, which must be adhered to.

2. Fit mounting plate (H) into the ceiling by sliding the 300mm diameter casing attached to the mounting plate up into the ceiling until the two upturned edges rest against the under side of the ceiling. Square the mounting plate to the wall and secure it in location with the 4 coach bolts supplied, into the nogs just fitted. To further improve the rigidity of the installation, nail through the 300mm diameter casing at 4 points into the timber nogs.

3. Moving onto the roof with the 1200mm x 250mm diameter galvanised outer casing (F) with 750mm long slip section fitted, lower the slotted end of this casing (F) into the roof cavity until it locates inside the brackets on the top face of the mounting plate. Return back into the room and using the 2 x 6mm bolts and washers supplied, securely bolt the base of the 250mm diameter outer casing to the rivet nuts pre-fitted into the mounting plate brackets.

   Note: As there are two bolts, the outer casing can be rotated 180 degrees. Ensure the lock-form seam is rotated so the seam is sheltered as much as possible from the prevailing weather direction.

4. Return back onto the roof and using a suitable flashing, weather proof the joint where the 250mm diameter outer casing penetrates the roof. Ensure the flashing used is compatible with the roofing material, and if fitting instructions are supplied with the flashing, these must be adhered to. Prior to fitting the flashing, by fitting brackets securing the outer casing (F) to the roof material will further improve rigidity of the installation.

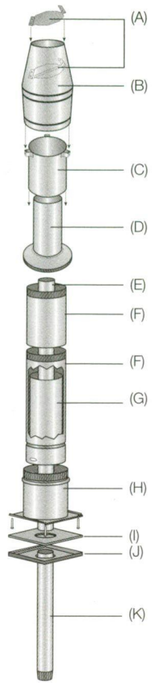
5. While on the roof fit the 800mm x 200mm diameter galvanised inner casing (G).

   Note: This inner casing has a top and bottom, the bottom end has both internal and external brackets while the top end has external only. Fit the bottom end of this inner casing (G) down into the 250mm diameter outer casing (F) until the casings lower external brackets locate on the internal swadge of the outer casing.

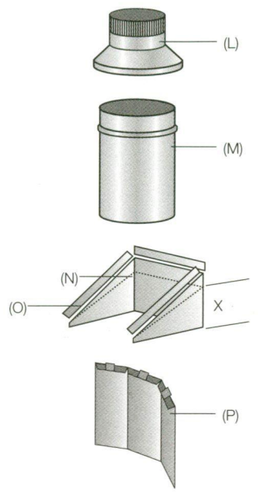
⚠ WARNING! Important Information

- **If there is timber or combustibles within 25mm of the outer casing (f) in a zone "above the top end of the inner casing (g) and below the roof line" additional 200mm inner casing must be fitted.**

ECO BASE FLUE SYSTEM KIT COMPONENTS



ECO OPTION KIT COMPONENTS



6. Moving back into the home, remove the plastic film from the ceiling plate (J) and place it black side down over the flue outlet of the woodfire. Using a high temperature black aerosol, spray around the hole in the centre of the white insulation gasket, and when dry lay this centrally on the ceiling plate.

7. Unwrap the two painted flue pipes (K) taking care not to mark the painted surface (use a metallic black Stovebright aerosol for touch ups) and proceed to assemble the three fluepipe sections as described below;

- Smear an adequate amount of Pioneer fire cement inside the "top/un-crimped" end of both painted flue pipes (K).

- Taking the unpainted stainless steel fluepipe (E) insert its top "un-crimped" end up through the mounting plate (H) and up into the casings until its bottom "crimped" end is 1250mm above the top of the wood fire.

- Take one of the two painted stainless steel flue pipes (K) and fit its lower "crimped" end into the Metro wood fires flue outlet. Now lower the unpainted stainless steel flue (E) which is protruding down from the mounting plate so that it fully connects into the lower painted flue pipe (K). Ensure these two flue pipe sections are firmly connected and aligned, then secure with three stainless steel or monel rivets spaced equally around the joint.

- Lift the two assembled flue pipe sections so the bottom of the lower section is 1250mm above the top of the wood fire, and repeat the above procedure to fit the remaining painted flue pipe (K).

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Installation Instructions ECO Base Flue System - continued

- With all three fluepipe sections securely joined, lift this three section assembly out of the wood fires flue outlet, then move it slightly off centre and lower the flue pipe assembly "on top" of the wood fires flue outlet. Smear an adequate amount of Pioneer fire cement inside the wood fires flue outlet (move the flue pipe assembly as required to ensure the entire flue outlet is coated in fire cement) then lower the flue pipe back into the wood fires flue outlet, with the vertical flue seam facing the rear.

8. Taking the ceiling plate (J) with insulation gasket (I) fitted which are laying on top of the wood fire, with the flue pipe passing through them. Carefully lift them up the flue pipe trying not to mark the painted flue, and clip the ceiling plate onto the mounting plate.

9. While still on the ground, assemble the ECO vertical discharge cowl as follows;

- Take the stainless steel weather butterfly (A) so the angled sections are facing up and fold "up" both arms at the slot provided to just over 90 degrees as shown.

- With both arms and angled sections of the stainless steel weather butterfly (A) facing up, fit it into the stainless steel cowl housing (B), and secure in position through the holes provided with stainless steel rivets.

  Note: Once fitted the weather butterfly will be slightly angled within the cowl housing.

- Now fit the base of the cowl housing (B) over the brackets of the outer casing extension (C) ensuring the 3 x prepunched holes punched in its lower skirt align centrally over the 3 brackets attached to the casing extension as illustrated. Push the cowl housing down fully until its internal swage rests on the casing extension brackets (the brackets should be "just but fully" inside the base of the cowl housing). Drill through the 3 pre-punched holes in the cowl housing through the 3 brackets and secure with stainless steel rivets.

10. Making your way back onto the roof, slide the 750mm long slip section of the outer casing (F) until the top of this slip section is "level" (+ or –10mm) with the top of the 150mm stainless steel flue pipe, then secure this slip section of the outer casing with rivets.

11. Fit the 480mm long flue pipe extension/flashing cone (D), with the flashing cone at the bottom, fit its short flue section inside the top of the already installed 150mm diameter flue pipe. Ensure the 3 brackets extended below the flashing cone fit "outside" the outer casing slip section. Drill through the pre-punched hole in all 3 brackets into the outer casing slip and secure with rivets.

12. Taking the "removable section of the ECO cowl", position it over the top of the stainless steel flue pipe extension, and slide it down fully. This removable section does not require riveting and therefore enables easy removal for future flue cleaning.

APPROVED BUILDING CONSENT DOCUMENTS
SBC 0471/09

Installation Instructions ECO Option Kit

Dependant on whether you are installing into a flat roof/ ceiling or sloping ceiling situation as detailed on page 2, will determine if you require all the components of the ECO Option kit, if installing into a flat ceiling/roof you will not require the drop box or drop box edge covers.

Note: The 300mm diameter outer liner extension (M) supplied with the ECO Option kit is supplied at the maximum length it has been tested, and must not be extended.

13. Slip the 300mm outer extension liner supplied with the ECO Option kit over the 300mm outer liner "stub" attached to the mounting plate (H) supplied with the base kit. Permanently secure these two components together by drilling 4 evenly spaced holes around the circumference and rivet with stainless steel rivets.

14. Proceed as detailed in item's 1 and 2 of the ECO Base Flue System kit's installation sheet and note:

- If the ceiling is angled, it is critical that the mounting plate is correctly positioned so the drop box in-fill panel can be fitted. Ensure the two "upturned folds" on the mounting plate are aligned parallel to the roof joists, i.e pointing towards the apex.

- If the ceiling is angled, you will only be able to use two of the securing holes provided in the mounting plate. To give additional support to the installation nail through the 300mm diameter outer liner into the timber framing, access is through the 200mm hole in the base of the mounting plate.

15. Proceed as detailed in item 3 of the ECO Base Flue System Kit installation instructions.

16. Fit the external "intake" flashing cone supplied with the option kit as illustrated, and secure it to the top of the 300mm diameter extension liner through the 4 x brackets which protrude below the base of the external "intake" flashing cone.

17. Proceed as detailed in items 4 through 9 of the ECO Base Flue System Kit installation instructions.

18. Measure dimension "X" as shown opposite and transfer this measurement to the drop box in-fill panel as shown.

- Cut the in-fill panel to the correct size and fit the 3 x edge covers.

  Note the side edge covers will require trimming on the ends to suit the angle of the ceiling.

- Secure the in-fill panel in position by fitting three rivets to each side through the holes provided.

19. Back in the room, lift the ceiling plate then attach the "ceiling plate mounted heat shield" to the lower face of the ceiling plate so that it acts as a deflector shield between the flue pipe and the lower side of the ceiling (refer assembled diagram on page 3). This heat shield has 3 tabs on its top face enabling it to be "clipped" into the 160mm diameter hole in the ceiling plate. Attach the ceiling plate by clipping it onto the mount plate and the installation is now complete.