



## Form 7

# Code compliance certificate

**101197**

Section 95, Building Act 2004



**SCANNED**

### The building

Street address of building: 274 Kingsbury Avenue, Rangiora

Legal description of land where building is located: Lot 21 DP 44633

Valuation number: 2159444100

Building name:

Location of building within site/block number:

Level/unit number:

Current, lawfully established, use:

Year first constructed:

### The owner

Name of owner: Whyte Raymond James & Whyte Norma

Contact person:

Mailing address: 274 Kingsbury Avenue, Rangiora 7400

Street address/registered office:

Phone number: Landline:

Mobile:

Daytime: 3135752

After hours:

Facsimile number:

Email address:

Website:

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

As above

### Building work

Building consent number: 101197

Consent description: Metro Eco Euro Ped Freestanding Clean Air 06007

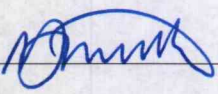
Issued by: Waimakariri District Council

### Code compliance

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

(a) the building work complies with the building consent



  
\_\_\_\_\_  
Signature

Admin  
\_\_\_\_\_  
Position

On behalf of: Waimakariri District Council

Date: 16/11/10





# NOTICE OF INSPECTION

Section 90 Building Act 2004

Owners Name: WHYTE

Local Auth. Consent No. 101197

Site Address: 274 KINGSBURY AV

Prime Job No. N/A

Officer: ROBERT BAILEY

To the Owner / Agent / Occupier / Contractor

How Notified

☒ Notified Direct ☐ Left on Site ☐ Faxed

Please take note that on the 15 / 11 / 10 at 8.57 am/pm this site was inspected pursuant to Building Act 2004

Inspection Type: FINAL - METRO 090838

Project Description: HEATING UNIT

PASSED

Inspection Notes: METRO ONLY BACK FIRE BOLTED EXISTING STAFFHEARTH. ✓

S/S FLUE FIXED TO FIRE, THREE S/S RIVETS TO JOINTS, FLUE GUARD IN PLACE ✓  
CEILING PLATE IN PLACE ✓

CEILING AND ROOF CLEARANCES AS CONSENT PLANS ✓

FLUE HIGH AS REQUIRED, CAP IN PLACE, EXISTING FLASHING ACCEPTED. ✓

TWO SMOKE DETECTORS IN PLACE AS CONSENT PLANS ✓

CLEARANCES TO BRICK/WALL AS NOTED IN FILE. ✓

All work as per consent documents ☒ Yes ☐ No

Amendments required ☐ Yes ☒ No

Reinspection Required ☐ Yes ☒ No

Signature RB



## Form 6

# Application for code compliance certificate

Section 92, Building Act 2004

### The building consent

Building consent number: 101197

Issued by: Waimakariri District Council

### \*The owner

Name of owner: R J & N Whyte

†Contact person:

Mailing address: 274 Kingsbury Avenue, Rangiora 7400

Street address/registered office:

Phone number: Landline:

Mobile:

Daytime: 3135752

After hours:

Facsimile number:

Email address:

Website:

The following evidence of ownership is attached to this application: [copy of certificate of title, lease, agreement for sale and purchase, or other document showing full name of legal owner(s) of the building]

First point of contact for communications with the council/building consent authority:  
As above

### Application

All building work to be carried out under the above building consent was completed on 15/09/10

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

Contractor: Inst: Ricky Gill 67 Seddon Street Rangiora 3138557

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: 274 Kingsbury Avenue, Rangiora 7400 (Owner)

Norma Whyte

Signature of owner

15-11-2010.

Name of person signing

Date: 15-11-2010

#### Attachments

The following documents are attached to this application:

☐ Certificates from the personnel who carried out the work

☐ Certificates that relate to the energy work

☐ Evidence that specified systems are capable of performing to the performance standards set out in the building consent

\*Delete this section if details have not changed from the building consent.

†Delete if owner is an individual.

‡Delete this section if the application is not being made on behalf of the owner.

§Delete if the agent is an individual.

|| Contact details must be in New Zealand.

☐ Delete items not applicable.



# SOLID/LIQUID FUEL HEATING APPLIANCE

## For Installer to Complete

NB: Leave on Site for Building Inspector

Consent Number: 101197

Site Address: \_\_\_\_\_

### SMOKE ALARMS

Shall have a test and hush button facility and shall be located on escape routes on all levels AND in every sleeping space OR within 3.0m of every sleeping space door

Free standing ☒ Inbuilt ☐ Wet back ☐

Make of SFB METRO Model of SFB ECO EURO Make of Flue ENI

Tick as Appropriate:	Yes	No	N/A
Is the SFB and Flue as per the building consent	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chimney Cleaned	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fireplace surround/chimney face junction sealed with a heat resistant material	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The flue pipe is constructed of austenitic stainless steel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Seismic Restraint fitted	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flue sections are secured together with Stainless Steel Rivets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Flue is secured to the heating unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The chimney void has been vented at the top	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flue and appliance clearances have been achieved in terms of the manufacturers instructions and AS/NZS 2918:2001	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flue Joints sealed in Accordance with Manufactures Instructions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire Safety Valve connected and working correctly	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If you have answered "no" to any items please comment:

\_\_\_\_\_

\_\_\_\_\_

If wetback is fitted, name the craftsman plumber who carried out the work:

Name: \_\_\_\_\_ Registration No: \_\_\_\_\_

I Ricky Gill (NZHMA 1896) (print name) certify that the above specified installation has been carried out as described and in accordance with the manufacturers installation instructions and the current building code requirements.

Installers Signature: R. Gill Date: \_\_\_\_\_

Address: 67 SEDDON ST RANGIORA

Phone: 033138557 Fax: \_\_\_\_\_

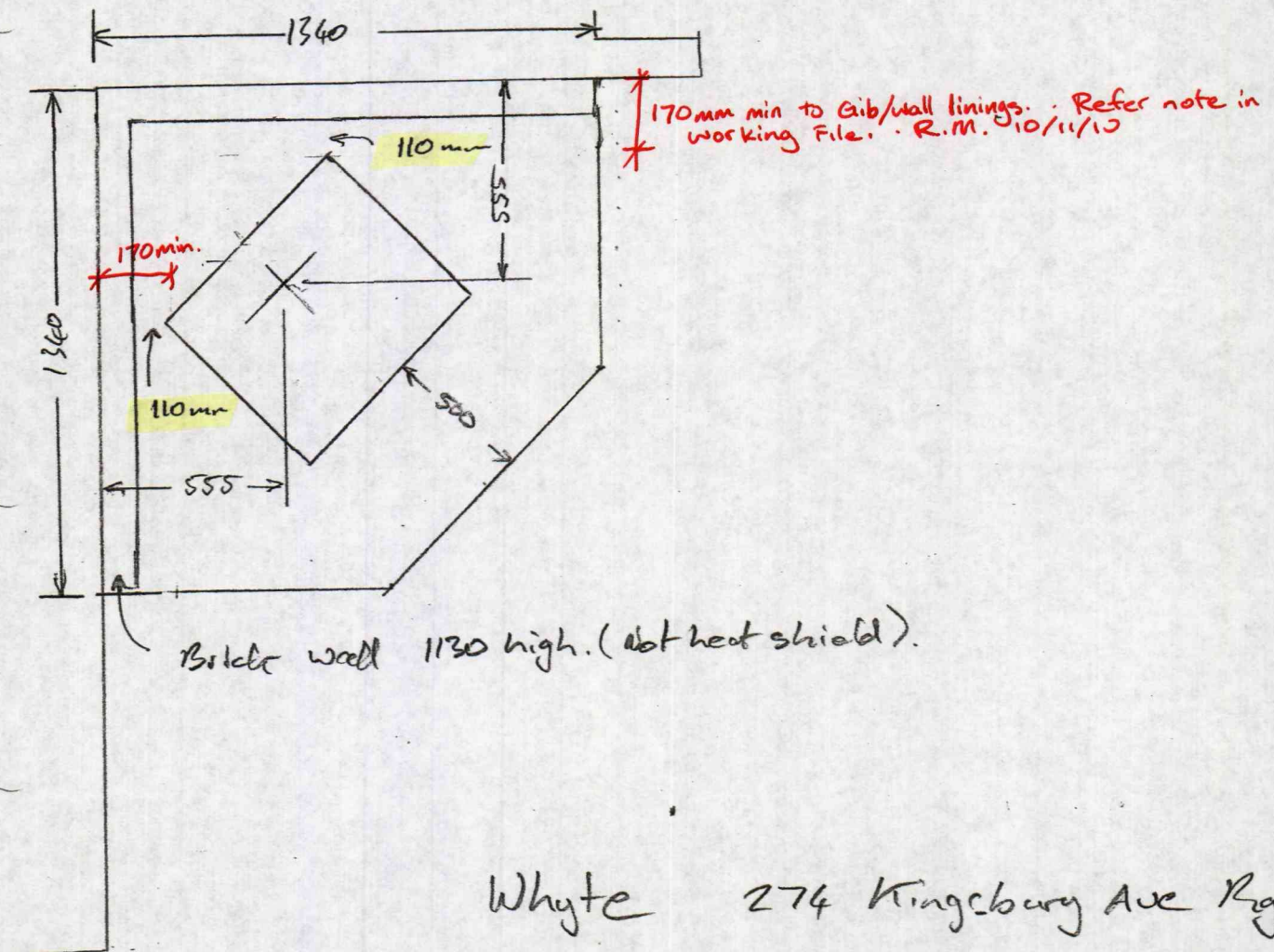


104497





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



Whyte 274 Kingsbury Ave Rg.

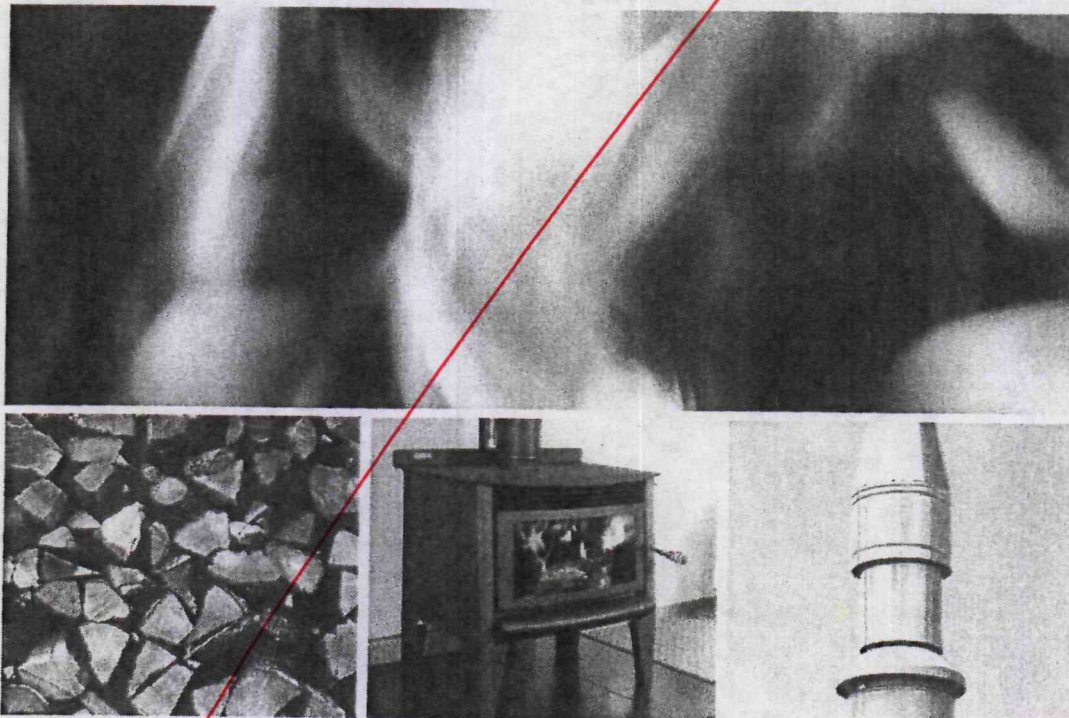
Metro Eco Euro Ped

670 wide  
575 deep.

Waimakariri District Council  
Plans and specifications APPROVED in  
accordance with the Building Act 2004, clause  
49 and the Building Regulations 1992,  
clause 3.  
Signed  14/2/10



## ECO Flue System Installation Manual



# metrofires

**SUPERSEDED**

## ECO Flue Systems

### Freestanding Flue Systems

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### Insert Flue Systems

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## ⚠ **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

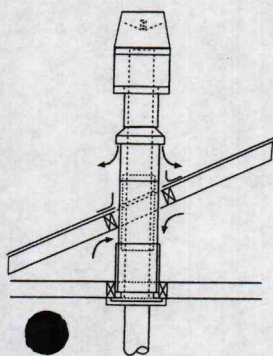
- Mixing of flue system components from different sources or modifying the dimensional specification or components may result in hazardous conditions. Where such action is considered, the manufacturer should be consulted.
- Prior to installing the assembled flue pipe into the masonry chimney cavity,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

**SUPERSEDED**

## Installation Options ECO Flue Systems

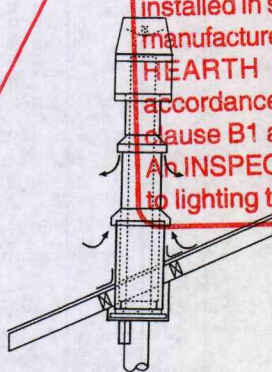
Detailed below are the more common installation methods for installing Metro ECO Flue Systems. To ensure a safe and efficient installation, this flue system must be installed as detailed below by either a registered installer, or someone competent in installing solid fuel appliances.

### Single Storey Installations



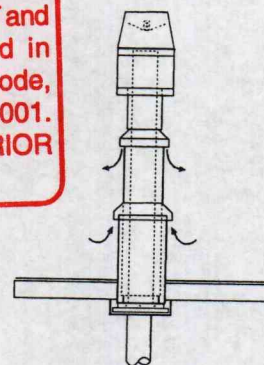
**FLAT CAVITY CEILING**

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.

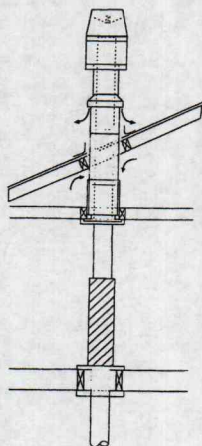


**FLAT CEILING/ROOF**

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

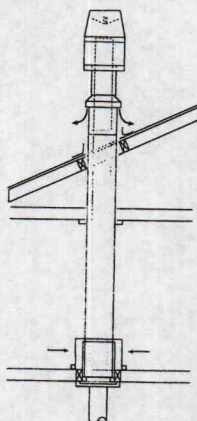
**HEATING UNIT and FLUE to be installed in strict accordance with the manufacturers instructions. UNIT and HEARTH shall be restrained in accordance with the Building Code, Clause B1 and AS/NZS 2916: 2001. An INSPECTION is required PRIOR to lighting the fire.**

### 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.

**Waimakariri District Council**  
Plans and specifications APPROVED in accordance with the Building Act 2004, clause 49 and the Building Regulations 1992, clause 3.

Signed  14.9.10



# Component Checklist ECO Base Flue System Kit & ECO Option Kit

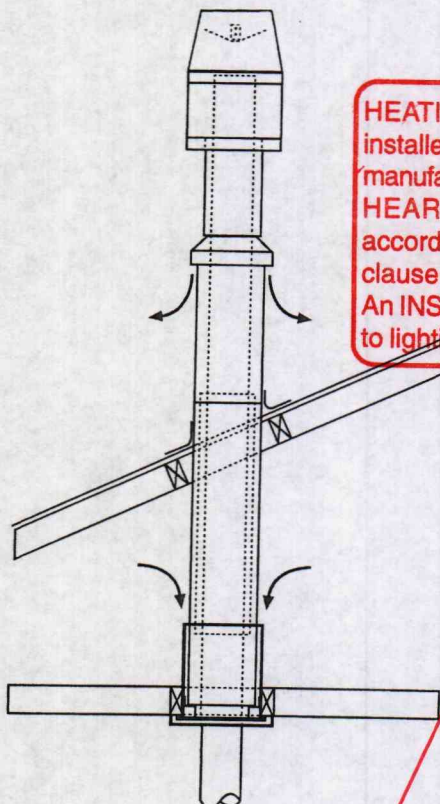
Metro offer both the ECO Base Flue System, which is designed to be installed on its own and the ECO Option kit which is designed to be installed in conjunction with the ECO Base Flue System. The specific application for each of these two options is detailed below.

**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).

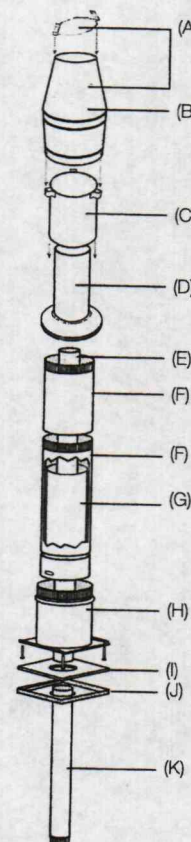
ECO BASE FLUE SYSTEM ASSEMBLED



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

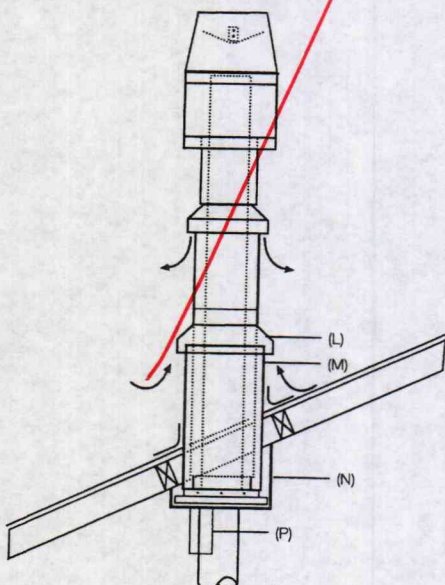
ECO BASE FLUE SYSTEM COMPONENTS

- (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 450mm 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



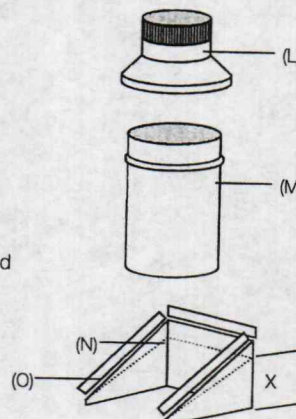
**SUPERSEDED**

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



**Waimakariri District Council**  
Plans and specifications **APPROVED** in accordance with the Building Act 2004, clause 45 and the Building Regulations 1992, clause 3.  
Signed *[Signature]* 14/9/10



# 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.*

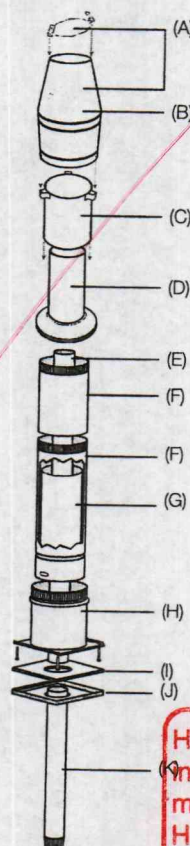
2. Fit mounting plate (H) into the ceiling by sliding the 300mm diameter casing attached to the mounting plate up into the ceiling until the two upturned edges rest against the under side of the ceiling. Square the mounting plate to the wall and secure it in location with the 4 coach bolts supplied,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

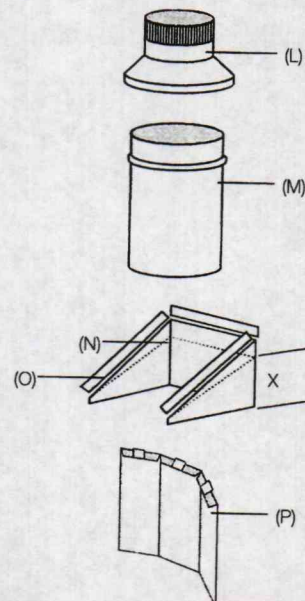
## WARNING! Important Information

- 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



**HEATING UNIT and FLUE to be installed in strict accordance with the manufacturers instructions. UNIT and HEARTH shall be restrained in accordance with the Building Code, clause B1 and AS/NZS 2016: 2001. An INSPECTION is required PRIOR to lighting the fire.**

6. Moving back into the home, remove the plastic film from the ceiling plate (U) 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 flue pipe 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).

Warrakurri District Council  
The specifications APPROVED in  
accordance with the Building Act 2004, clause  
46 and the Building Regulations 1992,  
clause 3.

Signed

*[Signature]* 14/9/10



## 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.

**SUPERSEDED**

## 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 items 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.

Waimakariri District Council  
 Plans and specifications APPROVED in  
 accordance with the Building Act 2004, clause  
 226 and the Building Regulations 1992,  
 clause 3.

Signed

*[Signature]*

14/9/10



# Component Checklist ECO Base Flue System Kit & ECO Option Kit

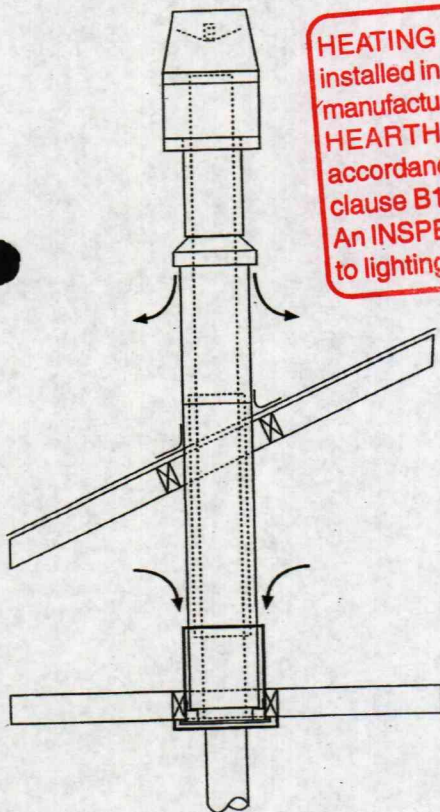
to offer both the ECO Base Flue System, which is designed to be installed on its own and the ECO Option kit which is designed to be installed in conjunction with the ECO Base Flue System. The specific application for each of these two options is detailed below.

**Metro ECO Base Flue System Kit** - Metro ECO Base Flue Systems are designed for installation into a building that has a "vented 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).

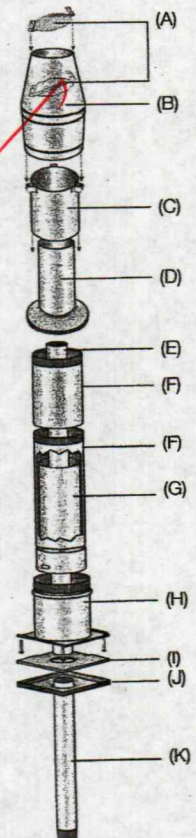
ECO BASE FLUE SYSTEM ASSEMBLED



ECO BASE FLUE SYSTEM COMPONENTS

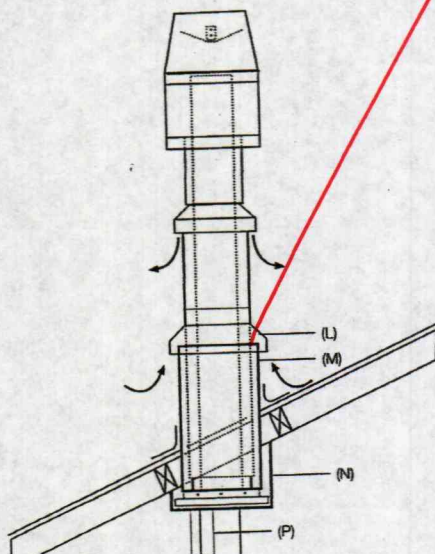
**HEATING UNIT and FLUE to be installed in strict accordance with the manufacturers instructions. UNIT and HEARTH shall be restrained in accordance with the Building Code, clause B1 and AS/NZS 2918: 2001. An INSPECTION is required PRIOR to lighting the fire.**

- (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
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- (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



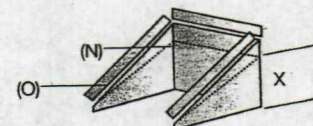
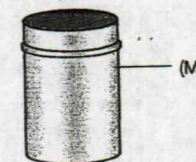
**SUPERSEDED**

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



Cnr Percival St & South Belt  
Rangiora 7400  
Phone/Fax: 03 313 5563

**Waimakariri District Council**  
Plans and specifications APPROVED in accordance with the Building Act 2004, clause 49 and the Building Regulations 1992, clause 3.

Signed

*[Signature]*

14/9/10



# Processing Check Sheet

## Solid Fuel Burner

Building Consent Number 101197

<p>Not applicable = —</p> <p>Further info reqd = x</p> <p>Compliant = ✓</p> <p><b>CLAUSE</b></p>	Checked	MEANS OF COMPLIANCE AND COMMENTS
<b>Documentation</b>		
Application form correct	✓	
Minor PIM for completed > 2ha	—	
Minor PIM for completed < 2ha	✓	798 m2, Clean Air # 06007
Intended Life	✓	
Installers Form	✓	
Working File	✓	1 Inspection 2 Inspections
<b>Project Location</b>		
Clean Air Zone	✓	
Outside Clean Air Zone	—	
<b>Solid Fuel Heater</b>		
Inbuilt	—	
Freestanding	✓	
<b>Floor Plan</b>		
Windows/Doors	✓	Curtains
Smoke Alarms	✓	
Solid Fuel Heater	✓	
<b>Manufacturer Specification</b>		
Identify Model	✓	Metro Eco Euro Ped
<b>Flue Specifications</b>		
Identify	✓	E&I Eng; Davin, Heatsaver, Spiroloc, SFP, Other <u>Metro Eco</u>
<b>Floor Plan Dimensions</b>		
Manufactures Specifications		
Rear Wall		
Side Wall	✓	110 Double flue with side extensions
Corner	✓	
Hearth	✓	500
Reduction by screening		
Type of screen		
Reduction factor		Manufacturers clearance X Reduction factor = X =
<b>Roof Flashing</b>		
Identify	✓	Dektite Soaker, Other
<b>Brick Chimney Existing</b>		
<b>2<sup>nd</sup> Storey Flue</b>		
Shielded in room	✓	
Detail thru floor	✓	
<b>Flue</b>		
Straight	✓	
Offset	✓	Close to Ceiling, in roof space
Existing outer, new inner	✓	
<b>Inbuilt</b>		
Existing open fire	✓	
New alcove dimensioned	✓	
New alcove specifications	✓	
Venting	✓	
<b>2<sup>nd</sup> Hand Unit</b>		
Engineers Report	✓	
NZ Test Report	✓	
<b>Wetback</b>		
	✓	New/Existing, Tempering Valve, Open Vent Cylinder



**NOTES**

Processors Sign Off		
Inspections on Working File	✓	
Conditions on Referral Sheet	✓	
Notes for Inspector on Working File	✓	
Endorsements on Documents/Plans (3x)	✓	
Installers Form attached (clients file)	✓	
PIM Form	✓	

BC Number: 101197Processing has been completed by: NicolaSignature: Date: 14/9/10

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**NOTES**



## INSPECTION ISSUES

## INSPECTION ISSUES NOTED DURING PROCESSING:

- \* Get Form 6
- \* Get Installers Sheet
- \* Check Smoke Alarms
- \* Take Photo of the Fire, Flue & Flashing

~~\* Tempering Valve required if not already installed~~

Cnr clearance 110mm + 70 brick = 180 to combustible

## AMENDMENTS (AFTER CONSENT ISSUE):

DATE: - 10/11/10. - R.M discussion with installer @ counter. re: setbacks. Not specifically as per standard AS/NZS 2918:2001 or to manufacturer's spec. Noted output & setbacks of original (removed) fireplace - approx equiv. to new fire - Discussed with V.T., F.W., B.E. - On this basis ok with 70mm to brick face as long as min 170mm clearance to "combustible" wall linings maintained @ corners. *AM*  
11/11/10 Change from Metro flue to EN1 flue nh

ENGINEER TO INSPECT:

N/A

SURVEYOR REQUIRED (PEGGING / FFL / RECESSON PLANE):

N/A

FIRE ENGINEER TO INSPECT:

N/A

ITEMS FOR COUNCIL TO INSPECT (SUCH AS EFFLUENT/POOL FENCING):

N/A

CONSTRUCTION REVIEWS REQUIRED TO SUPPORT PRODUCER STATEMENT DESIGN AND INSPECTION:

Installers Sheet





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