

# Nouveau BBQ SN 1100-1250-1500-1800-2000 Double Flue

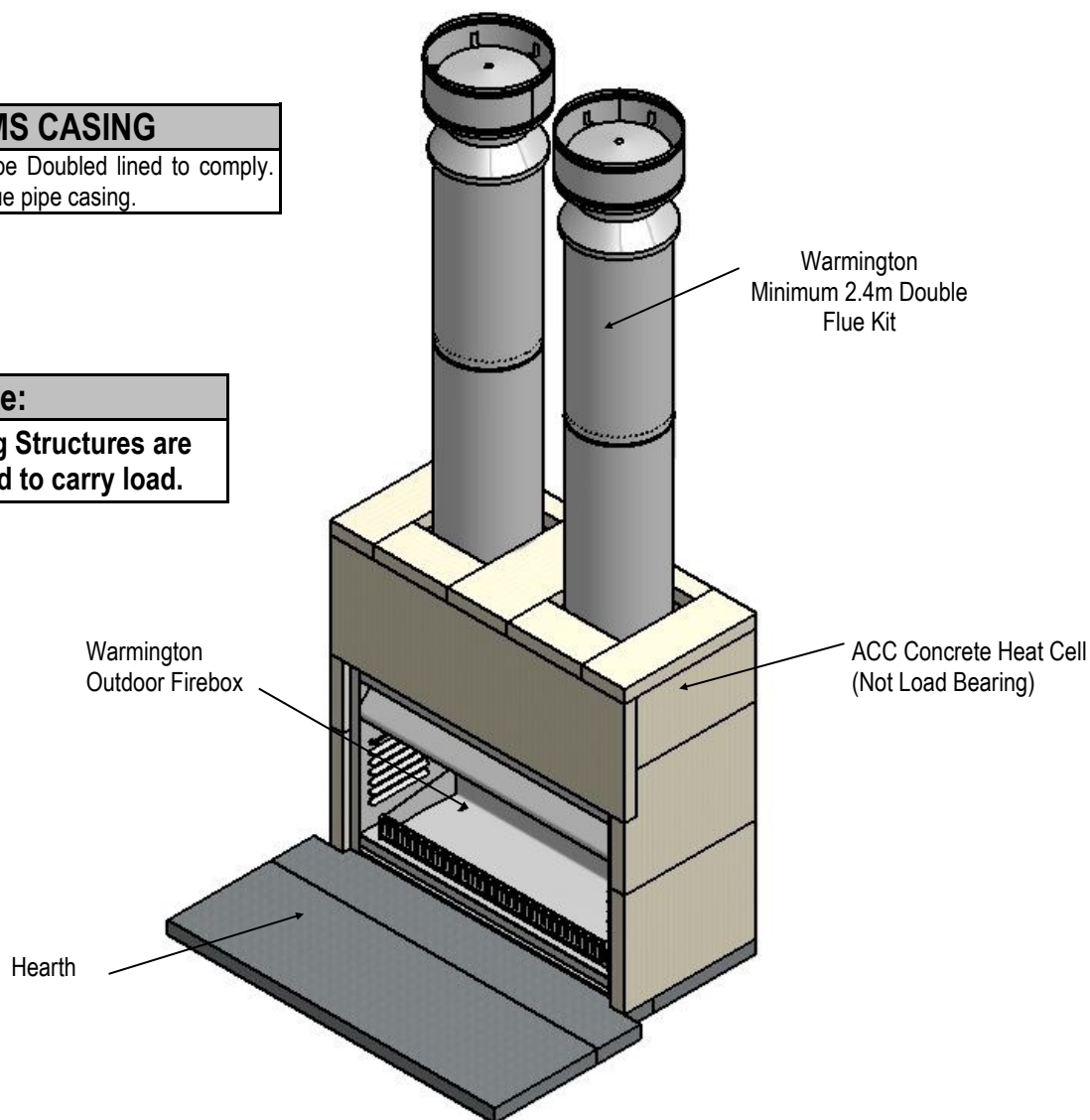
## Outdoor BBQ Cooking Fire - Wood Burner Installation Instructions

### Note: FLUE SYSTEMS CASING

Flue system may require to be Doubled lined to comply.  
Ref ASNZS:2918:2001 4.3 Flue pipe casing.

### Important Note:

All Load Bearing Structures are  
to be Engineered to carry load.



Visit [www.warmington.co.nz](http://www.warmington.co.nz) for Spec's, DWG's and PDF uploads of Fires

### Fire, Flue System and Instructions to Comply with ASNZS 2918:2001

Keep these Instructions for further reference.....Ensure that you have the correct and current Installation details for the Warmington Fire

#### Installation

The Warmington unit is to be Installed by a Certified Warmington Installer or an Approved NZHHA Installation Technician .  
See [www.homeheat.co.nz/members](http://www.homeheat.co.nz/members) for a Certified NZHHA SFAIT Installer in your area .

#### IMPORTANT

Read all the Instructions carefully before commencing the Installation. Failure to follow these Instructions may result in a Fire Hazard and void the warranty .

Due to continued product improvement, Warmington Ind LTD reserves the right to change product specifications without prior notification.

All Dimension are in mm..... Copyright on all products and Specifications ©

## POINTS TO CONSIDER PRIOR TO INSTALLATION

Location of the fire. Open fires are better located at one end of a room or area, as they project the heat away from their opening.

### Venting to the cavity.

This air is to allow the cavity to vent the warm air. This warm air helps keep the fire and flue system from getting too cold. If the flue and fire get too cold the system may soot often and require cleaning. Each fire has different ways of venting the cavity.

### The Topography of the land .

The slope and position of the land in relation to the home has a bearing on how the wind will interact with the fire and flue system. Care needs to be taken to ensure that the flue termination is in the correct position to maximise performance.

### The prevailing wind.

Care needs to be taken to ensure that the flue termination is in the correct position as wind and gusts that hit the flue and cowl system may overcome the cowl and draft back down the flue into the home. This can be a combination of down draft and high pressure.

### Hearth and plinth:

The height of the hearth off the floor. The finishing that is to be used on the hearth is to be allowed for at the design stage.

### Positioning of the Flue system:

There is a maximum distance that an offset flue can be installed. Reference to AS/NZS : 2918

### Flue And Fire Clearance:

To be maintained to the manufacturer's Instructions.

### Installation Notes:

**A rebate of 40mm is recommended from the front face of the surround to the front of the fire to reduce the ingress of water into the fire.**

Due to the expansion and contraction of metal fireplaces a 3mm gap between the flange and the finished surround should be maintained.

## INSTALLATION ORDER OF OPERATIONS

### Prior to Construction and Installation Important Notes:

Install to AS/NZS 2918:2001.

Install to manufacturer's specifications.

All new installations require a permit.

For special requirements concerning materials (timber mantle and surrounds) within close proximity of Warmington products, please contact your local Warmington Technical Consultant.

### Stage 1: Frame Construction Procedure by Builder.

Mark out flue centre.

Mark out heat cell clearance requirements.

Construct plinth only, to required height. \*

### Stage 2: Install Procedure by Certified "Warmington Installer" only.

Fit fire to plinth.

Fit adaptor to Firebox.

Construct ACC enclosure around Nouveau BBQ firebox. (Ensure a 40mm rebate to form a drip line).

Fit flue system.

Fit cowl and flashing system

### Stage 3: Finishing Procedure by Builder.

Construct hearth to required thickness. \*

Finish ACC enclosure and hearth to customer's requirements (e.g. paint / tiles ).

Close in ACC enclosure and chimney chase . ( If in timber Alcove ).

\* Note: certified installer can install hearth and plinth.

**Ensure that the Warmington and flue system is swept annually or more frequently if required.**

### To sweep flue and firebox:

Cover front of fire with sheets.

Remove cowl from top of chimney.

Sweep from the top, down the flue.

Remove all soot and ash.

Ensure cowl and bird protection is clean and replaced.

Visually inspect fireplace and flue system.

### WARMINGTON NOUVEAU BBQ FIREBOX DIMENSIONS

Description		SN 1100	SN 1250	SN 1500	SN 1800	SN 2000
Firebox Width	<b>A</b>	1100	1250	1500	1800	2000
Firebox Height	<b>B</b>	760	910	910	910	910
Firebox Depth	<b>C</b>	450	600	600	600	600
Flange Width	<b>D</b>	1150	1300	1550	1850	2050
Flange Height	<b>E</b>	785	935	935	935	935
Adaptor Height	<b>F</b>	278	480	480	480	538

Minimum Flue Height	
Flue Height	2400
Measured From Top of Adaptor	B + F + 2400

### ACC CONCRETE SURROUND DETAILS DIMENSIONS

Description		SN 1100	SN 1250	SN 1500	SN 1800	SN 2000
Surround Width	<b>G</b>	1310	1460	1710	2010	2210
Surround Height	<b>H</b>	1325	1640	1640	1640	1690
Surround Depth	<b>I</b>	660	770	770	770	770
Window Width	<b>J</b>	1160	1310	1560	1860	2060
Window Height	<b>K</b>	790	940	940	940	940
* To Centre of Flue	<b>N</b>	333	450	450	450	450
Between Flue Centre	<b>O</b>	550	600	760	760	842
Flue Diameter X 2	<b>P</b>	250	250	300	300	350
Liner Diameter X 2	<b>Q</b>	350	350	400	400	450
* Flue Centre	<b>Z</b>	293	400	400	400	375

#### Note:

\* 'Z' dimension is from Flue Centre to Firebox Front Flange Not including 40mm rebate from AAC Enclosure.

\* 'N' dimension is from Flue Centre to the AAC Enclosure front.

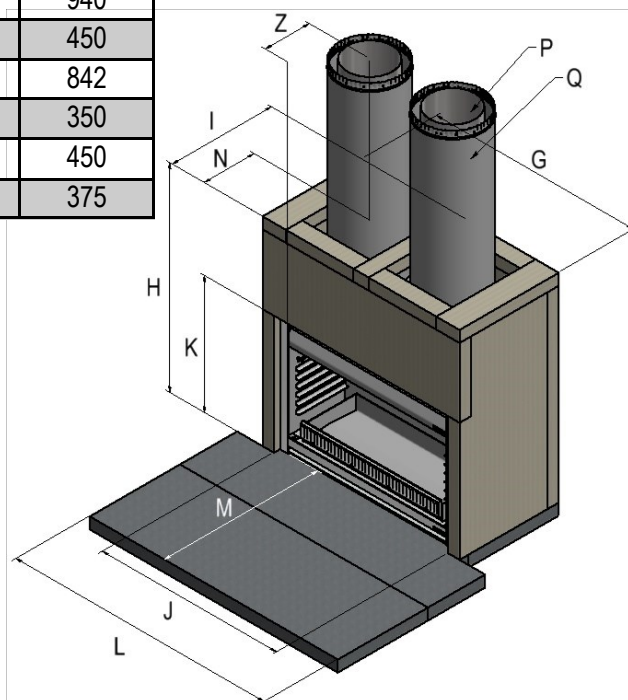
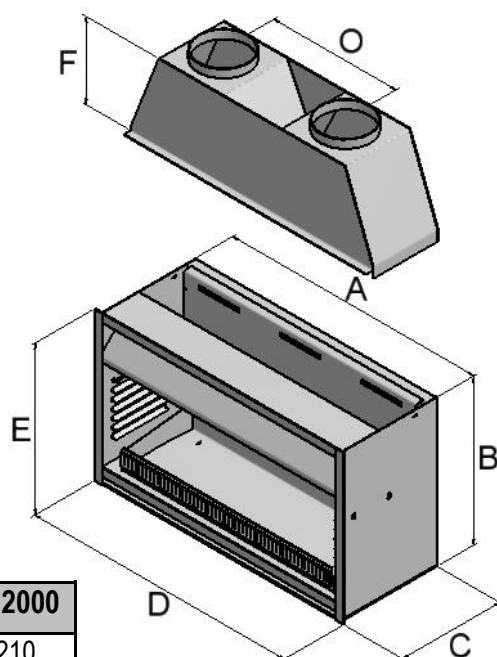
### ACC CONCRETE HEARTH DIMENSIONS

Description		SN 1100	SN 1250	SN 1500	SN 1800	SN 2000
Hearth Width	<b>L</b>	1650	1650	1900	2200	2400
Hearth Projection	<b>M</b>	380	850	850	850	850

Check List	
Firebox	
Ash Pan	
Rack/Hotplate & Grill	
Weather Shield	
Badge	
Adaptor & Bolts	
Packed by	

#### Note:

Firebox is recessed 40mm into ACC Surround.  
Timber Framing requires 30mm clearances with ACC Surround.



## FIREBOX INSTALLATION

This is a general installation guide only – Contact a “NZHHA Installer” for Installation Advice.

See : [www.homeheat.co.nz](http://www.homeheat.co.nz) , choose “members” & pick your Area & Fire type (wood / Gas etc) this will provide you with a NZHHA Certified Installer (use the SFAIT Installers only).

1. All the dimensions are minimums
2. Fit the Plinth into position in the Cavity. If onto a wooden floor ensure that an insulating plinth is fitted as per the specifications. **Ensure that the plinth is elevated to allow for finishing on the hearth. (See Hearth and plinth details)**
3. Fit the firebox into the Cavity. Bolt the fire box to the plinth or through to the floor with the bolting point provided on the Left and Right hand sides of the fire box (seismic restraints).
4. Fit the Adaptor to the Fire box. Ensure that exhaust sealant is used between the fire and Adaptor. Bolt into position with the bolt in the Left and right hand sides of the Fire box.
5. Install the flue system.
6. Fit the Hebel Heat cell around the fire. A general minimum lay out is shown in this Specification.

## HEARTH & PLINTH CONSTRUCTION DETAILS

### IMPORTANT NOTE:

#### Note: Hearth and Plinth Construction

For Combustible Flooring an Insulating Hearth and Plinth of 75mm ACC is required.

Plinth to be Offset above Hearth by the Hearth Finishing's ( e.g. Tiles / Granite / Solid Plaster / etc )

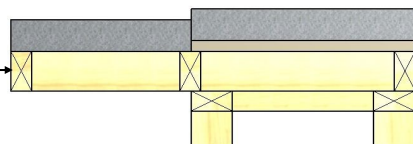
All Load Bearing cantilevered Hearths must be Engineered to carry loads.

Offset for Hearth finishing

This Hearth & Plinth set-up is at Floor Level

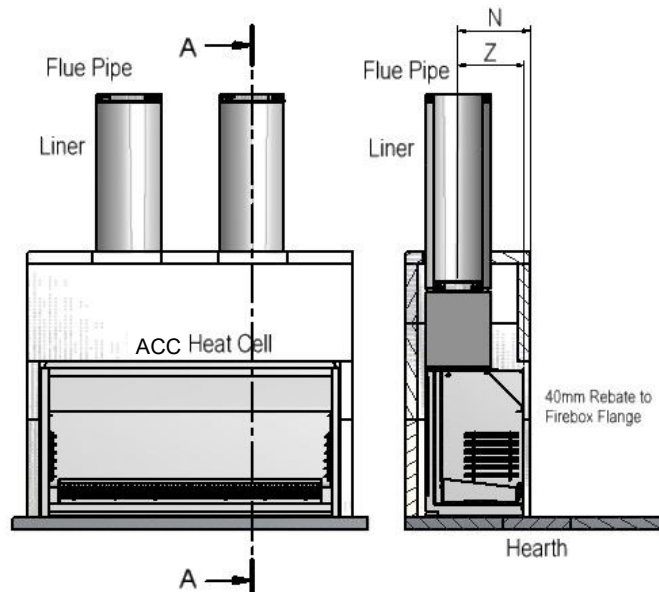
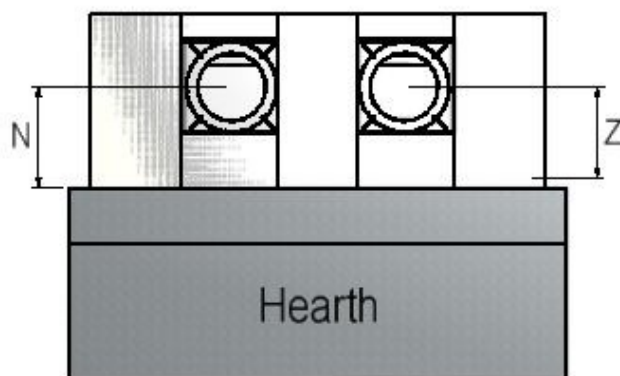
Offset

This is an example of a Raised & cantilevered Hearth. See Spec for details.



**\*Note:** If Solid Plastering the structure , it is recommended to use a Fibreglass Mesh with a Latex Based Solid Plaster to minimise the chance of the Solid Plaster cracking. (See your Solid Plasterer for correct materials and applications).

## PLAN, FRONT ELEVATION & CROSS SECTION



Due to continued product improvement, Warmington Ind LTD reserves the right to change product specifications without prior notification.



## TIMBER FRAMING & TRIM OUT DETAILS

Firebox		SN 1100 DF	SN 1250 DF	SN 1500 DF	SN 1800 DF	SN 2000 DF
Frameout Clearance Width	O	1370	1490	1770	2070	2270
Frameout Clearance Depth	P	690	800	800	800	800
Frameout Clearance Height	Q	2230	2230	2230	2230	2230
Hearth Width	R	1650	1650	1900	2200	2400
Hearth Projection	S	380	850	850	850	850
Window Height	V	1430	1745	1745	1745	1745
Window Width	W	1370	1490	1770	2070	2270
Chimney Chase Clearance	X	1100	1150	1260	1260	1395
Chimney Chase Clearance	Y	450	450	500	500	550

## MINIMUM HEAT CELL ALCOVE CLEARANCES & FRAME OUT

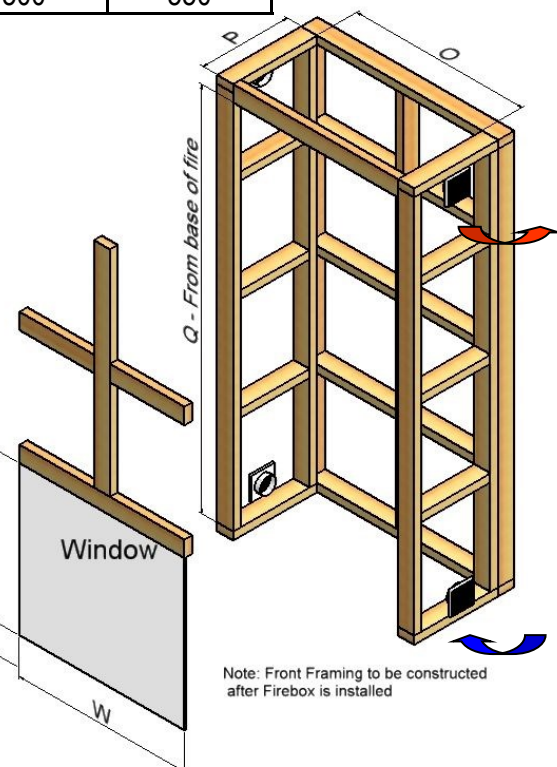
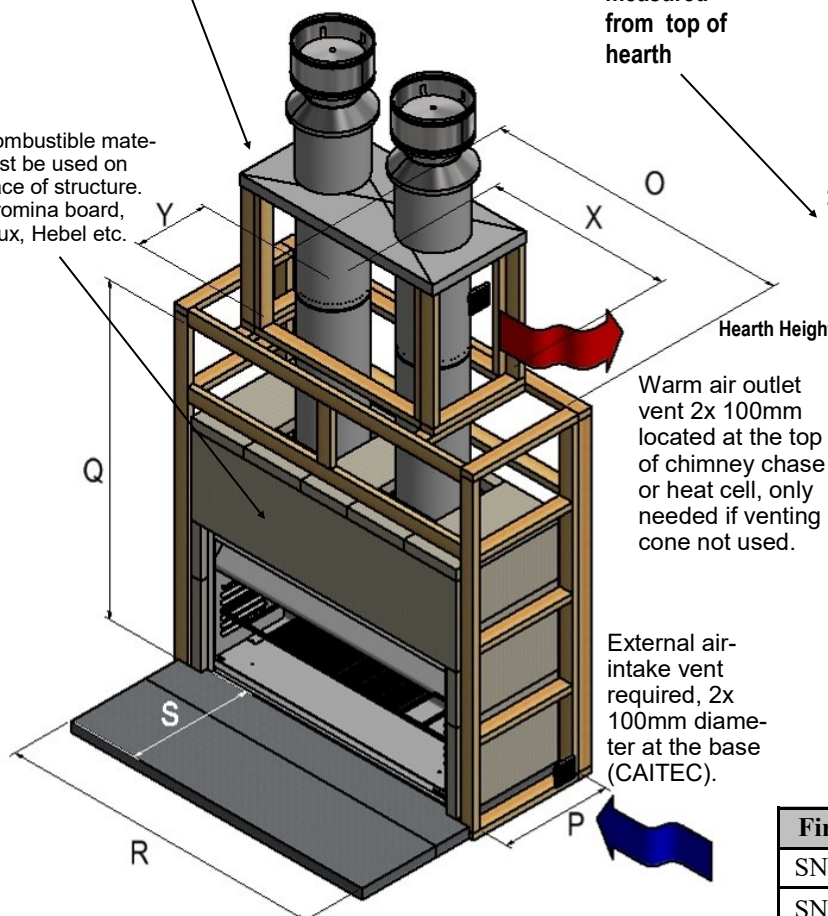
### Note:

Centre Line of Flue is 'NOT' in Centre of the Chimney Chase

See Page 11 for S/S Flashing Detail & correct Spigot Heights

Window Height 'V' must be measured from top of hearth

Non-combustible material must be used on front face of structure. E.g. Promina board, Superlux, Hebel etc.



### Important Notes:

All Framing Dimensions are Internal Only.

All Timber Framing & Cladding must be constructed to suit an Outdoor Environment as per NZ Building Code.

Firebox is recessed 40mm into ACC Surround. Timber Framing requires 30mm clearances with ACC Surround.

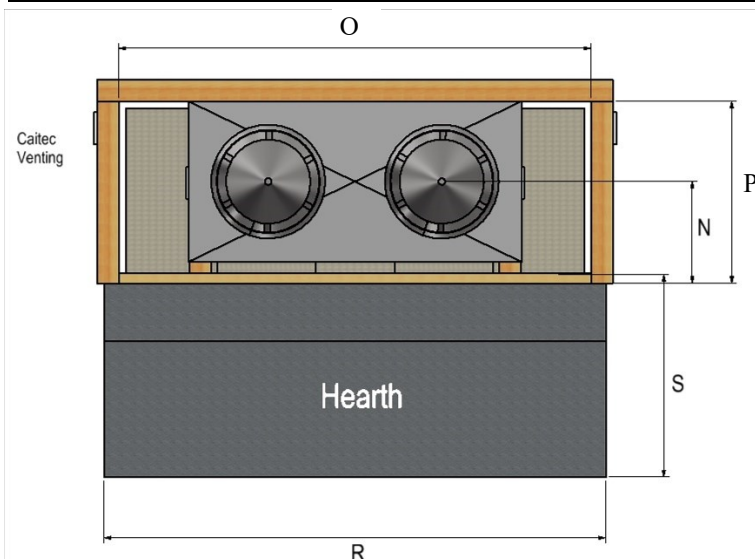
Firebox	Test Report Number	Date of Report
SN 1100	98/34	16 <sup>th</sup> Nov 1998
SN 1250	WAR0103	30 <sup>th</sup> Dev 2018

**\*Note:** If Solid Plastering the structure, it is recommended to use a Fibreglass Mesh with a Latex Based Solid Plaster to minimise the chance of the Solid Plaster cracking. (See your Solid Plasterer for correct materials and applications).

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# TIMBER: PLAN, FRONT ELEVATION & CROSS SECTION

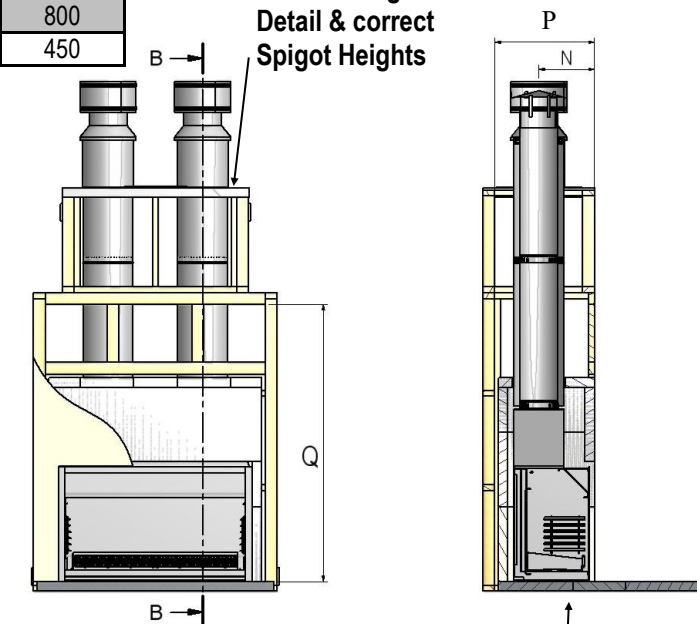
Firebox		SN 1100 DF	SN 1250 DF	SN 1500 DF	SN 1800 DF	SN 2000 DF
Hearth Width	R	1650	1650	1900	2200	2400
Hearth Projection	S	380	850	850	850	850
Frameout Clearance Width	O	1370	1490	1770	2070	2270
Frameout Clearance Depth	P	690	800	800	800	800
Centre of Flue	N	333	450	450	450	450



## Important Note:

All Load Bearing Structures are to be Engineered to carry load.

See Page 11 for S/S Flashing Detail & correct Spigot Heights



# BLOCK: PLAN, FRONT ELEVATION & CROSS SECTION

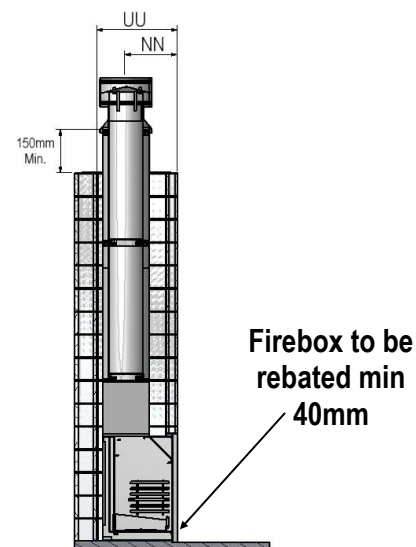
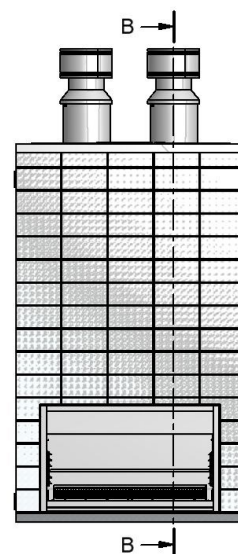
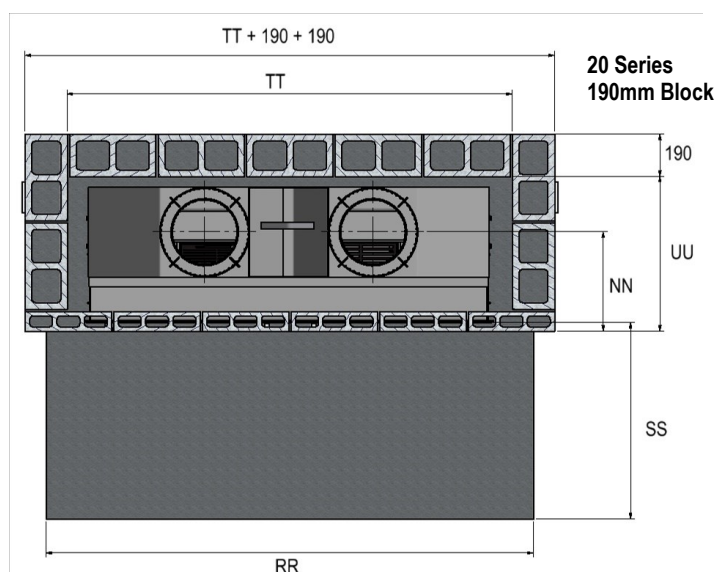
Firebox		SN 1100 DF	SN 1250 DF	SN 1500 DF	SN 1800 DF	SN 2000 DF
Hearth Width	RR	1650	1650	1900	2200	2400
Hearth Projection	SS	380	850	850	850	850
Plinth Width	TT	1210	1610	1610	2010	2410
Plinth Depth	UU	600	700	700	700	700
Centre of Flue	NN	333	450	450	450	450

## Note:

Centre Line of Flue is 'NOT' in Centre of Alcove

Firebox to be rebated min 40mm

See Page 11 for S/S Flashing Detail & correct Spigot Heights



Firebox to be rebated min 40mm

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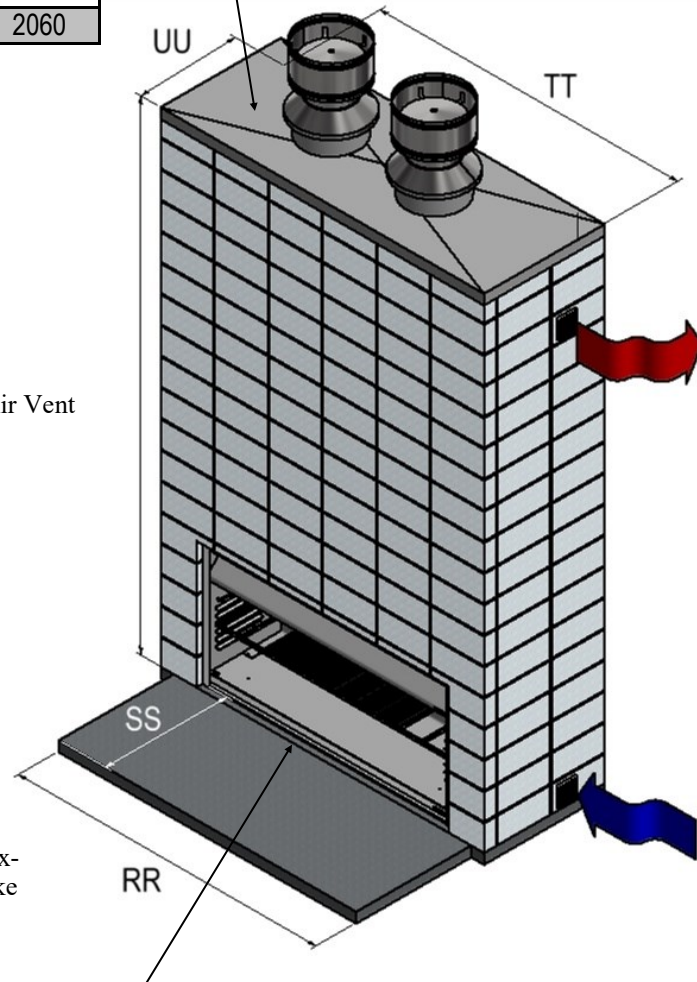
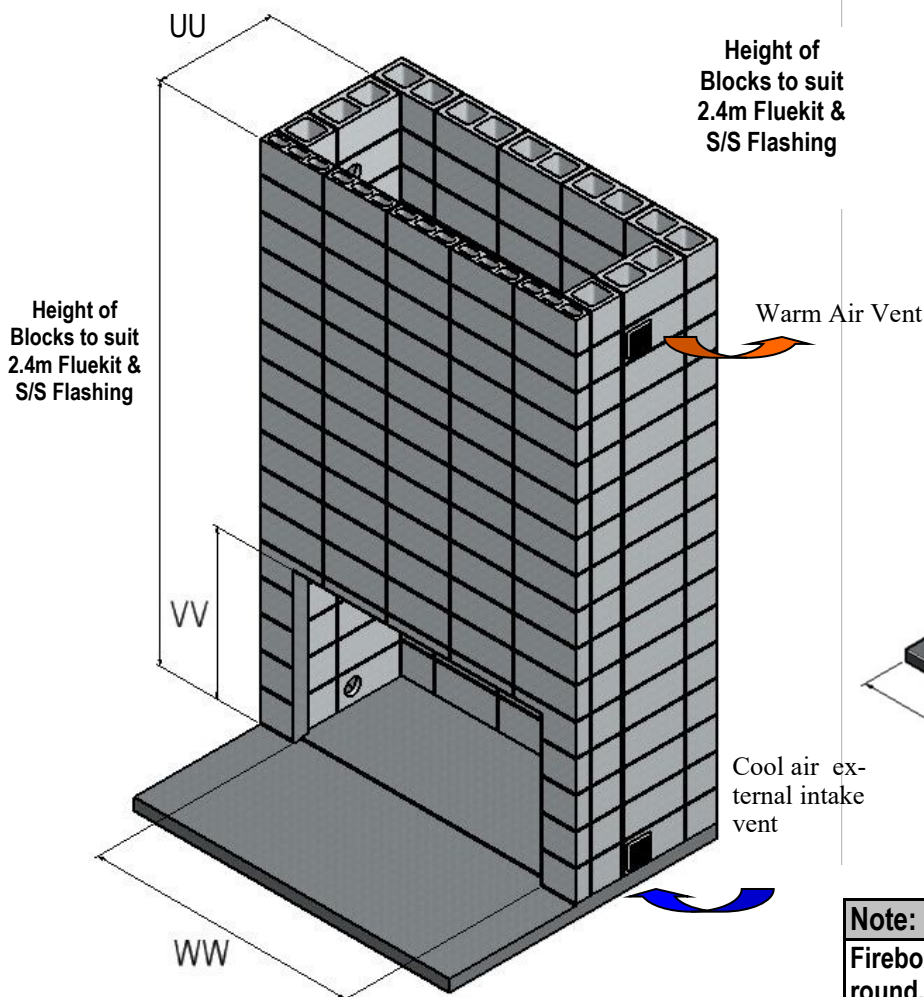
## BLOCK ALCOVE & TRIM OUT DETAILS

Firebox		SN 1100 DF	SN 1250 DF	SN 1500 DF	SN 1800 DF	SN 2000 DF
Plinth Width	TT	1210	1610	1610	2010	2410
Plinth Depth	UU	600	700	700	700	700
Hearth Width	RR	1650	1650	1900	2200	2400
Hearth Projection	SS	380	850	850	850	850
Window Height	VV	790	940	940	940	940
Window Width	WW	1160	1310	1560	1860	2060

### Note:

Centre Line of Flue is 'NOT' in Centre of Alcove

See Page 11 for  
S/S Flashing  
Detail & correct  
Spigot Heights



### Note:

Firebox is recessed 40mm into Non Combustible Surround. Firebox requires min. clearances with Block surround, no Heatshield & Flue Liners required. No Combustible Material is to be used inside Block Cavity.

## MINIMUM HEAT CELL BLOCK ALCOVE CLEARANCES

### Note:

Ensure that the Fire and Flue System is Installed before the Alcove access is blocked off. Block modules may vary to the drawing see Blocklayer for further details.

All Load Bearing Structures are to be Engineered to carry load.



## ACC CONCRETE HEAT CELL & CUT SIZES FROM PANELS for SN1250 Double Flue

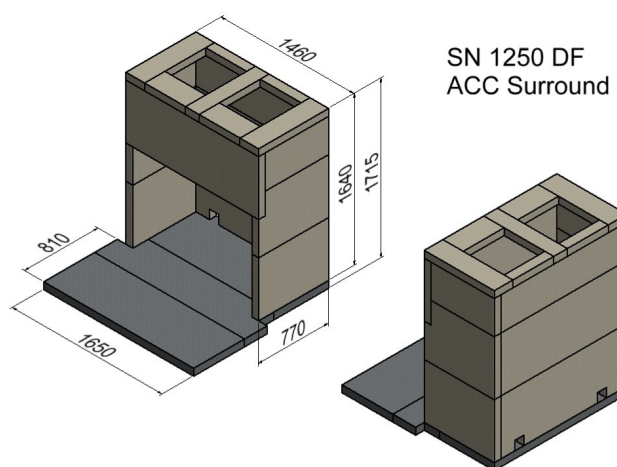
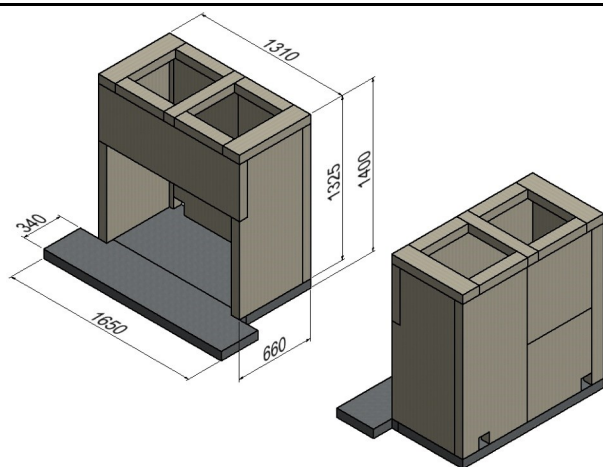
The ACC Heat cell is constructed around the firebox, using 75mm ACC (see attached minimum spec below).

(2400x600x75) Power Panels are required for basic heat cell construction as shown in detail "Firebox with Hebel Surround".

**\*Note:** If plastering the Heat Cell structure, it is recommended to use a fibreglass mesh with a latex plaster to minimise the chance of the plaster cracking. (See your plasterer for correct materials and applications).

### Note: ACC KITSET ASSEMBLY Details....

When purchasing the "ACC Heat Cell Kit" the assembly Guide will come with the Kit.

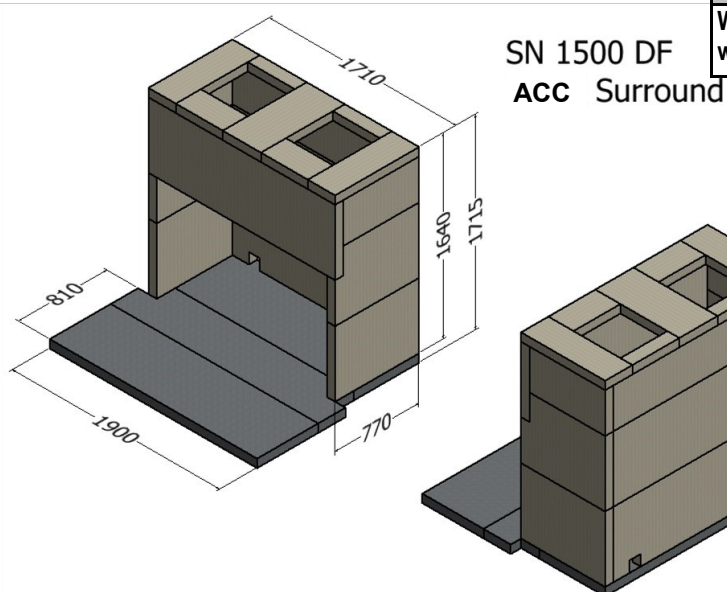


SN 1250 DF  
ACC Surround

## ACC CONCRETE HEAT CELL & CUT SIZES FROM PANELS for SN1500 Double Flue

### Note: ACC KITSET ASSEMBLY Details....

When purchasing the "ACC Heat Cell Kit" the assembly Guide will come with the Kit.



SN 1500 DF  
ACC Surround

**\*Note:** If plastering the Heat Cell structure, it is recommended to use a fibreglass mesh with a latex plaster to minimise the chance of the plaster cracking. (See your plasterer for correct materials and applications).

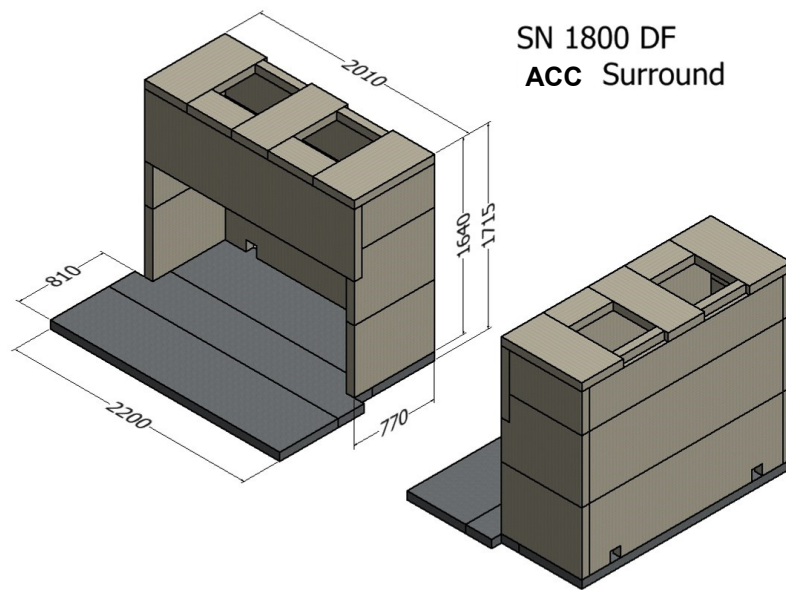


## ACC CONCRETE HEAT CELL & CUT SIZES FROM PANELS for SN1800 Double Flue

The ACC Heat cell is constructed around the firebox, using 75mm ACC (see attached minimum spec below).

(2400x600x75) Power Panels are required for basic heat cell construction as shown in detail "Firebox with ACC Surround".

\*Note: If plastering the Heat Cell structure, it is recommended to use a fibreglass mesh with a latex plaster to minimise the chance of the plaster cracking. (See your plasterer for correct materials and applications).

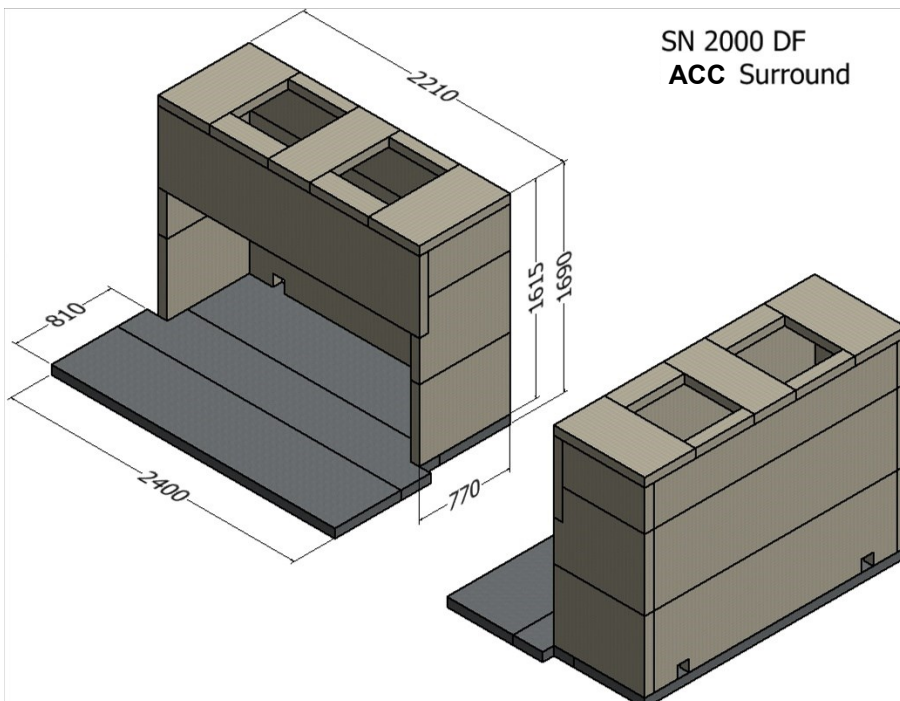


SN 1800 DF  
ACC Surround

### Note: ACC KITSET ASSEMBLY details

When purchasing the "ACC Heat Cell Kit" the assembly Guide will come with the Kit.

## ACC CONCRETE HEAT CELL & CUT SIZES FROM PANELS for SN 2000 DF



SN 2000 DF  
ACC Surround

### Note: ACC KITSET ASSEMBLY details

When purchasing the "ACC Heat Cell Kit" the assembly Guide will come with the Kit.

Due to continued product improvement, Warmington Ind LTD reserves the right to change product specifications without prior notification.

## FLUE DETAILS DIMENSIONS Double Flue System

Minimum Flue Height	
Flue Height	2400
Measured From Top of Adaptor	B + F + 2400

### Note: FLUE SYSTEMS casing

Flue system may require to be doubled lined to comply.  
Ref ASNZS:2918:2001 4.3 Flue pipe casing

Flue details	No:	SN 1100	SN1250	SN1500	SN1800	SN 2000
Cowl	2	250	250	300	300	350
Cone	2	250	250	300	300	350
Top Spider	2	250	250	300	300	350
Flue Diameter	4	250	250	300	300	350
Liner Diameter	4	350	350	400	400	450
Spacer	4	250/350	250/350	300/400	300/400	350/450

**NOTE:** Ensure that a Standard Tested Warmington Flue system is used on Warmington fires.

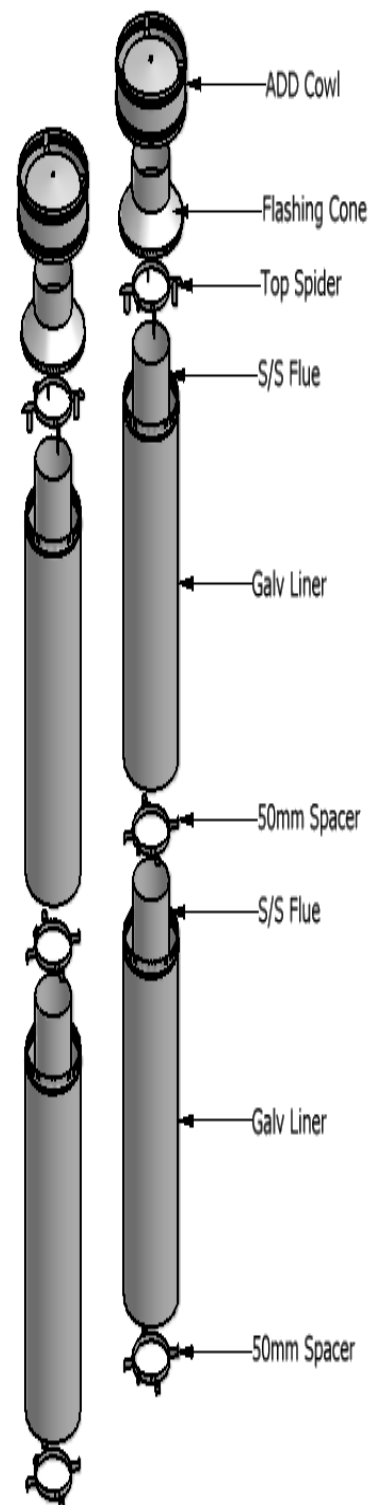
## FLUE SYSTEM INSTALLATION GUIDE

This is a general installation guide only – contact a 'NZHHA Installer' for Installation advice.  
Visit: [www.homeheat.co.nz](http://www.homeheat.co.nz), choose 'members' & pick your Area & Fire type (wood/gas etc), then 'search'. This will provide you with a NZHHA Certified Installer (use the SFAIT Installers only).

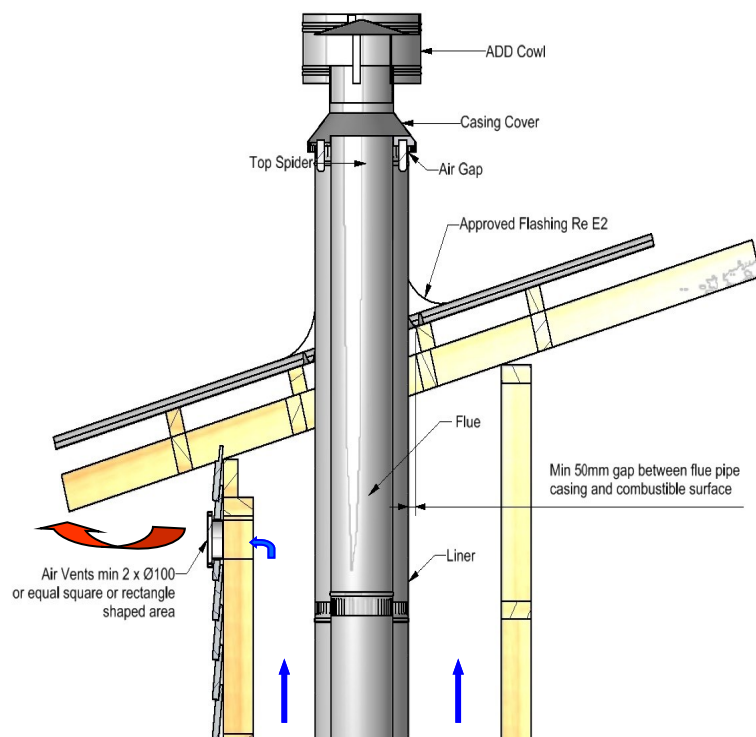
1. Install the first length of flue pipe with the crimped end down, inside the Adaptor collar, ensure that the flue pipe is sealed into the collar with exhaust sealant. Rivet the flue in 3 places around the Adaptor collar. Place a spacer around the flue pipe approximately 150mm above the adaptor collar. Secure in position by tightening the screw and nut.
2. Install the second length of flue pipe with the crimped end down and fit by riveting in at least 3 places around the flue pipe joint. Ensure that the flue is sealed into position with sealant.
3. Install the first section of flue pipe liner with the crimped end up, over the flue pipe and over the spacer that is fixed to the flue pipe. This spacer will keep the liner concentric about the flue pipe.
4. Position flue spacer at the flue pipe joint for every length of "flue pipe" and "liner". Repeat the Steps from 1 – 4 to the installed required height of the flue system. The flue system is to comply with ASNZS 2918:2001 4.9.1

- 'Flue pipe' shall extend no less than the minimum flue height supplied.
- The 'minimum' height of the flue system within 3m distance from the highest point of the roof shall be 600mm above that point.
- The 'minimum' height of the flue system further than 3m from the highest point of the roof shall be 1000mm above the roof penetration.
- No part of any building lies in or above a circular area described by a horizontal radius of 3m about the flue system exit.

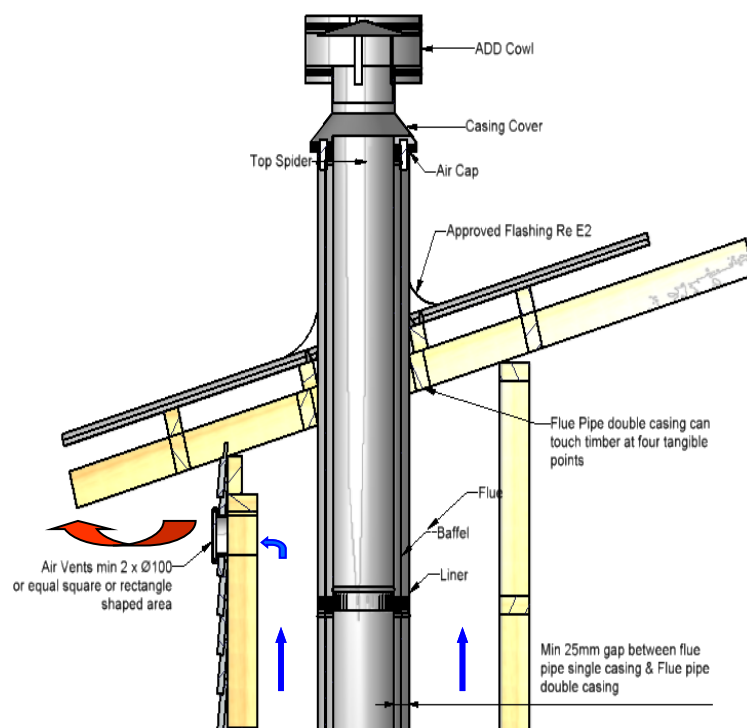
1. **NOTE:** The last length of flue pipe needs to extend past the liner so that when the "top spider" and the "flashing cone" are fitted, that the "flashing cone" and the "flue pipe" are **flush**, or that the "flue pipe" is **5mm lower** than the "flashing cone".
2. Fit the "Top Spider" into position, ensure that the legs of the spider are fitted inside the liner and that the spider is positioned hard down onto the liner and tighten with the screw and nut.
3. Place the "Flashing cone" over the "flue pipe" and press hard down onto the "Top Spider". (Note that the "Flue pipe" and the "Flashing Cone" are either flush or the "Flue pipe" is 5mm Lower than the "Flashing cone".) Ensure that the "Flashing cone" is clear for the venting from the "Liner" and the "flue pipe".
4. Fit the "Cowl" to the top of the flue pipe. The "Cowl", "Flashing cone", and the "Flue pipe" can be secured to each other with the uses of a stainless steel self tapping screw. This will allow the "Cowl" to be removed for cleaning.
5. Flue system may require Bird Proofing due to the installation and locations, discuss this with your installer for the best advice.
6. If the Flue system is installed into a "Chimney Chase", allow for air vent as close to the top of the chase as practical, or allow venting through the "Chimney Chase Flashing". A "Venting Flashing cone-Spider" can be used. Ref: to figures on page 11 and 12 in this specification.



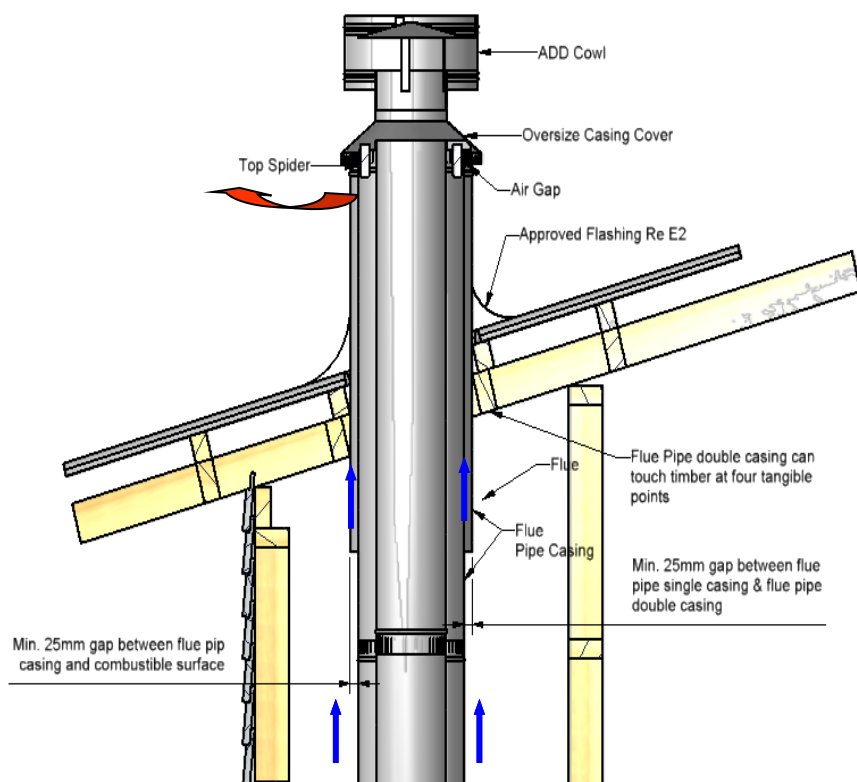
### FLUE PENETRATION Vented through Alcove (Single lined Flue System)



### FLUE PENETRATION Vented through Alcove (Double lined Flue System)



### FLUE PENETRATION Vented through Top Flashing



#### Note: FLUE SYSTEMS Casing....

Flue system may require to be Doubled lined to comply.  
Ref AS/NZS:2918:2001 4.3 Flue pipe casing

#### Note :

External Requirements  
Refer to AS/NZS2918:2001 4.9.1

Install Flue system to AS/NZS2918:2001

When using a rubber or Bitumen flashing (Butynol, Dectite) an Additional Flue pipe Baffle is required.

All external air vents & ceiling penetrations must be bird proofed with permanently fixed screens.

All flashing to comply with E2.

All external air vents and ceiling penetrations are to be Vermin and Rodent proof.

Test Report Number	Date of Report
04/1039	20 <sup>th</sup> July 2004
04/1040	20 <sup>th</sup> July 2004
04/1041	20 <sup>th</sup> July 2004

## CHIMNEY CHASE FLASHING DETAILS

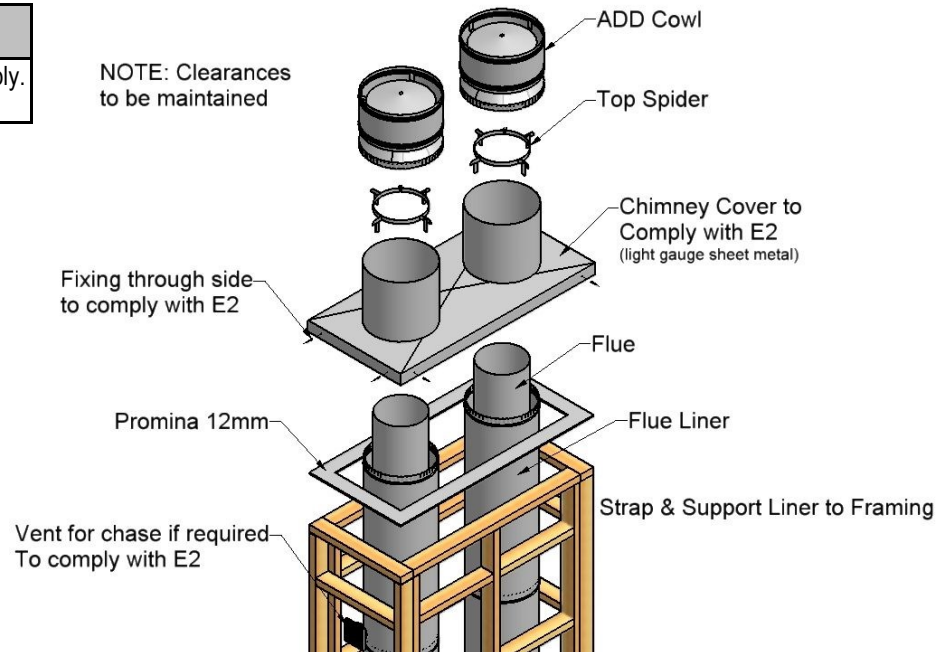
### Note: FLUE SYSTEMS casing

Flue system may require to be Doubled lined to comply.  
Ref ASNZS:2918:2001 4.3 Flue pipe casing.

### Note:

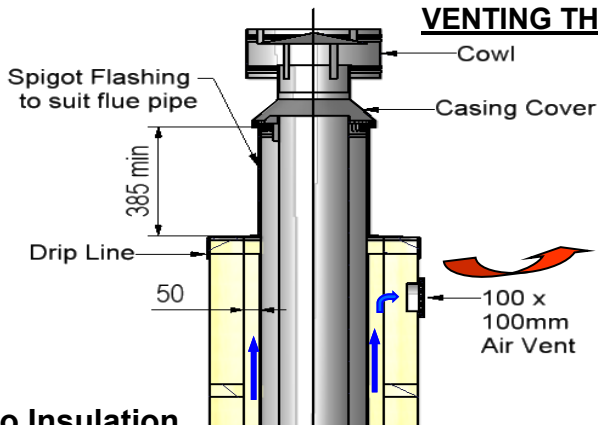
Flashing Spigot height is determined by the  
Insulation that is fitted under the Flashing ...  
See Details at bottom of page.

## General Chimney Chase Flashing Lay Out

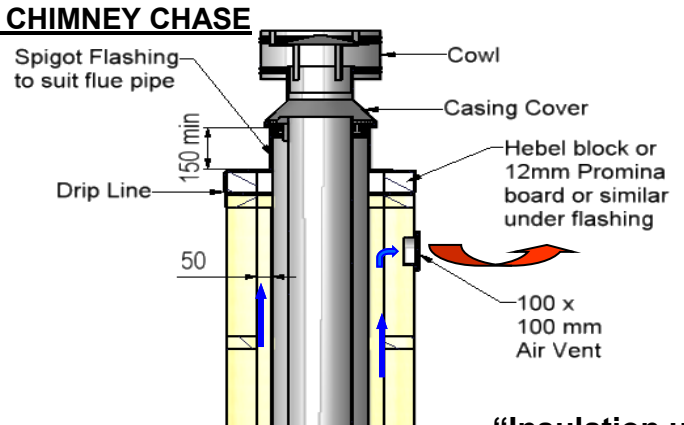


## “CHIMNEY CHASE FLASHING” and “AIR VENTILATION” OPTIONS:

### VENTING THROUGH CHIMNEY CHASE

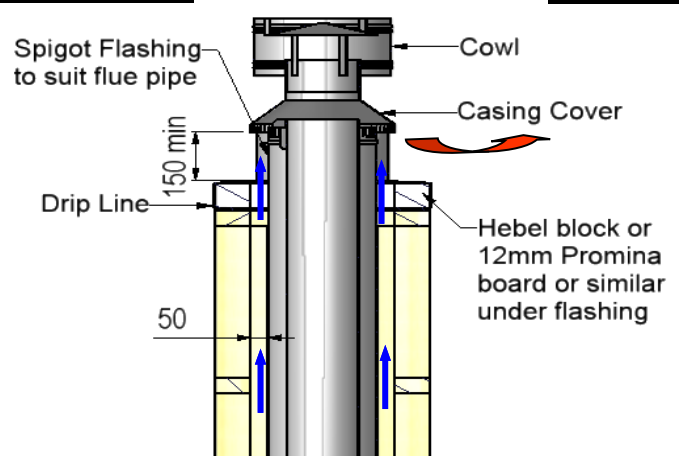
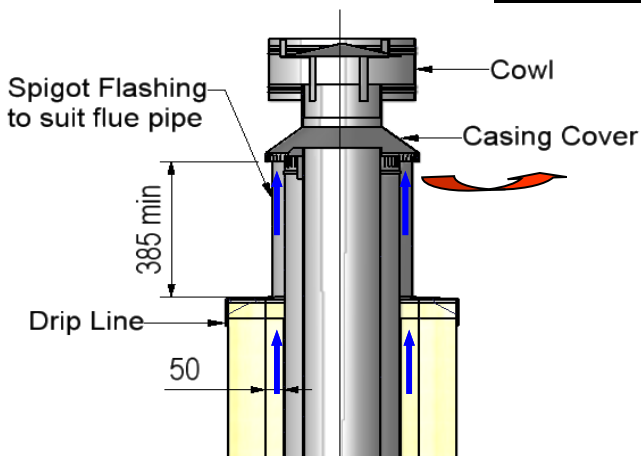


**“No Insulation  
under flashing”**



**“Insulation under  
flashing”**

### VENTING THROUGH FLASHING



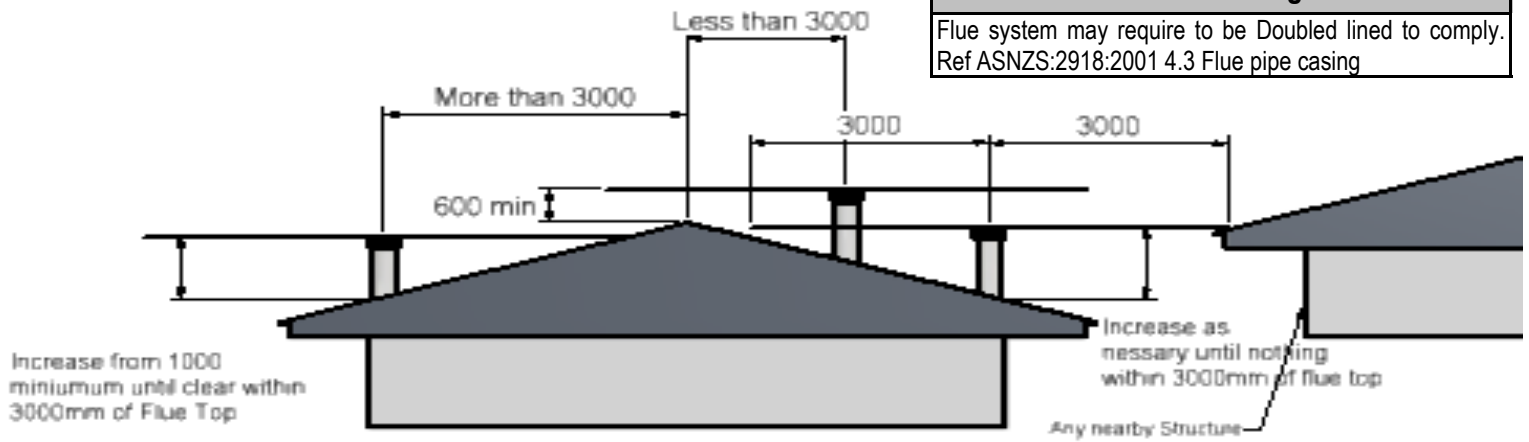
Due to continued product improvement, Warmington Ind LTD reserves the right to change product specifications without prior notification.



## FLUE HEIGHT MINIMUM DETAILS

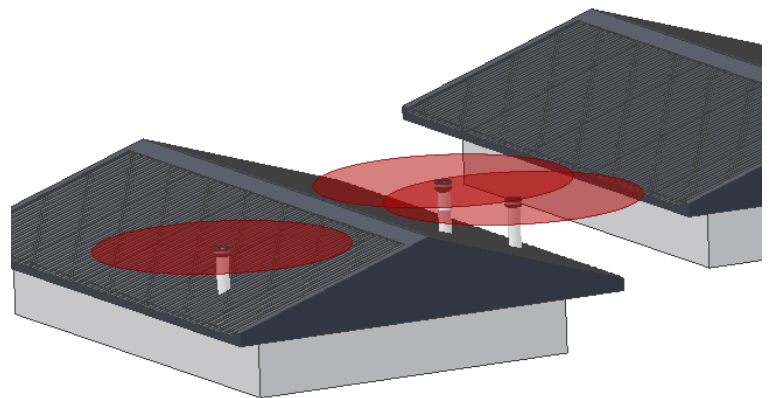
### Note: FLUE SYSTEMS casing.

Flue system may require to be Doubled lined to comply.  
Ref ASNZS:2918:2001 4.3 Flue pipe casing



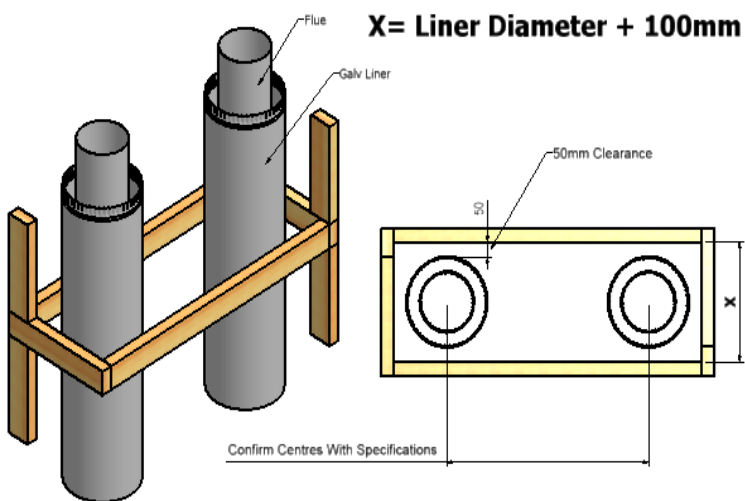
The flue exit is to comply to ASNZS 2918 : 2001

3D View

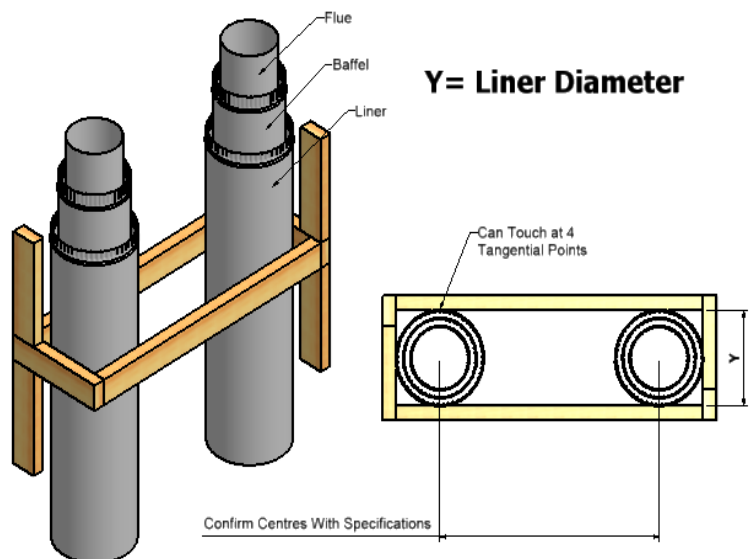


## FRAME OUT AND TRIM OUT DETAILS FOR CHIMNEY CHASE

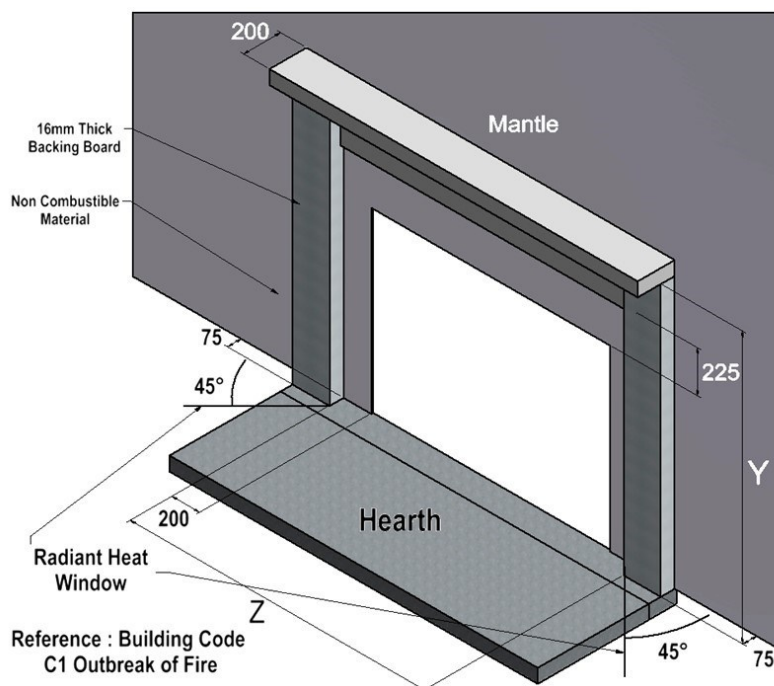
### Option X – Singled Lined Flue System



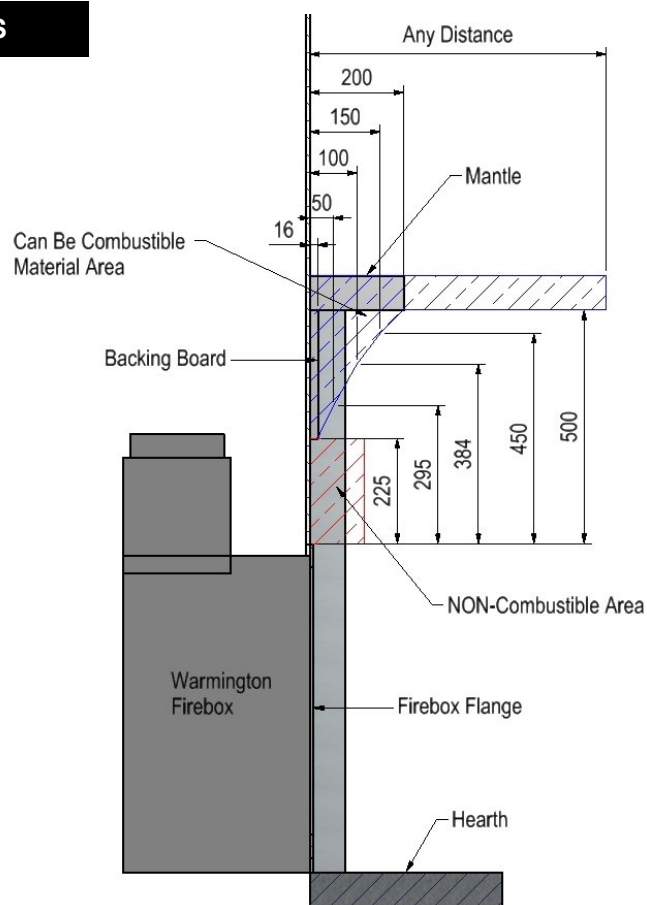
### Option Y – Double Lined



## RAISED HEARTH & COMBUSTABLE MANTEL CLEARANCES



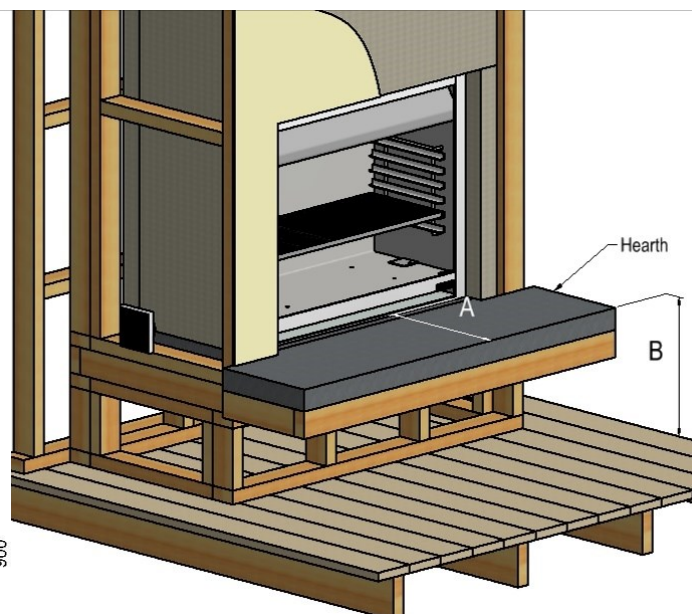
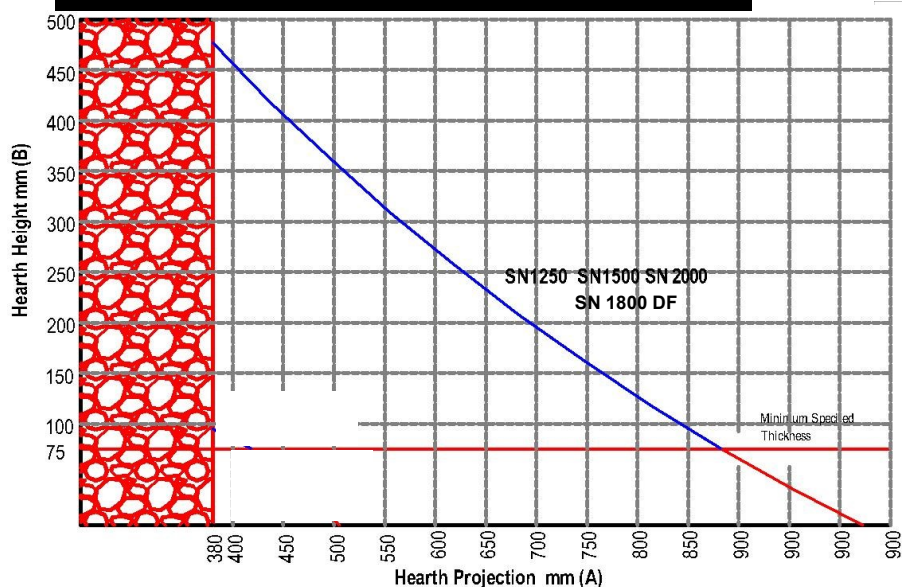
Mantle Clearances		
Firebox	Y	Z
SN 1100 DF	1285	1550
SN 1250 DF	1435	1700
SN 1500 DF	1435	1950
SN 1800 DF	1435	2250
SN 2000 DF	1435	2450



### Important Note:

**All Load Bearing Structures are to be Engineered to carry load.**

## RAISED HEARTH CLEARANCES



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**GENERAL NOTES : ASNZS 2918 : 2001****NOTES:**

- Fire Operating and Maintenance instructions can be downloaded from the **Warmington** website.
- Warranty - for full details on product warranties, contact your local Authorised **Warmington** Retailer.
- Correct installation, operation and maintenance must be maintained to comply with the **Warmington** Warranty.
- The Appliance and Flue System must be installed in accordance with ASNZS2918:2001 and the appropriate Building codes.
- The flue system and fireplace is to be swept annually or more frequently if required.

**IMPORTANT NOTE: TREATMENT OF COOKING SURFACES BEFORE USE****BURN OFF:**

- Before cooking on the plate or grill for the first time, burn off any residual oils or foreign matter by lighting or igniting the fire or Burner.
- ENSURE THAT THE OUTDOOR FIRE IS WELL VENTILATED WHEN LIGHTING FOR THE FIRST TIME, and operate fire on high for up to 5 minutes.
- Cooking may proceed after the surface has been carefully wiped down with a cloth or paper towel.

**PREHEATING:**

- It is necessary to preheat for a short time before cooking certain foods, depending on the type of food & the cooking temperature.

**AFTER USE:**

- Do NOT cool or put out the fire after use with water. This will damage the grate and ash pan, cause rust and could be harmful to people standing close by the fireplace.

**WARNINGS:**

- **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.**
- **WARNING: WHEN OPERATION THIS APPLIANCE AS AN OPEN FIRE USE A SPARK SCREEN.**
- **CAUTION: THIS APPLIANCE SHOULD BE MAINTAINED AND OPERATED AT ALL TIMES IN ACCORDANCE WITH THESE INSTRUCTIONS**
- **CAUTION: THE USE OF SOME TYPES OF PRESERVATIVE-TREATED WOOD AS A FUEL CAN BE HAZARDOUS**

**NOTE: For Operating and Maintenance Instructions download from the website**  
[www.warmington.co.nz](http://www.warmington.co.nz)



**Industries 1994 LTD**  
**PO Box 58652, Botany 2163, Auckland**  
[www.warmington.co.nz](http://www.warmington.co.nz)

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All Dimension are in mm..... Copyright on all products and Specifications ©