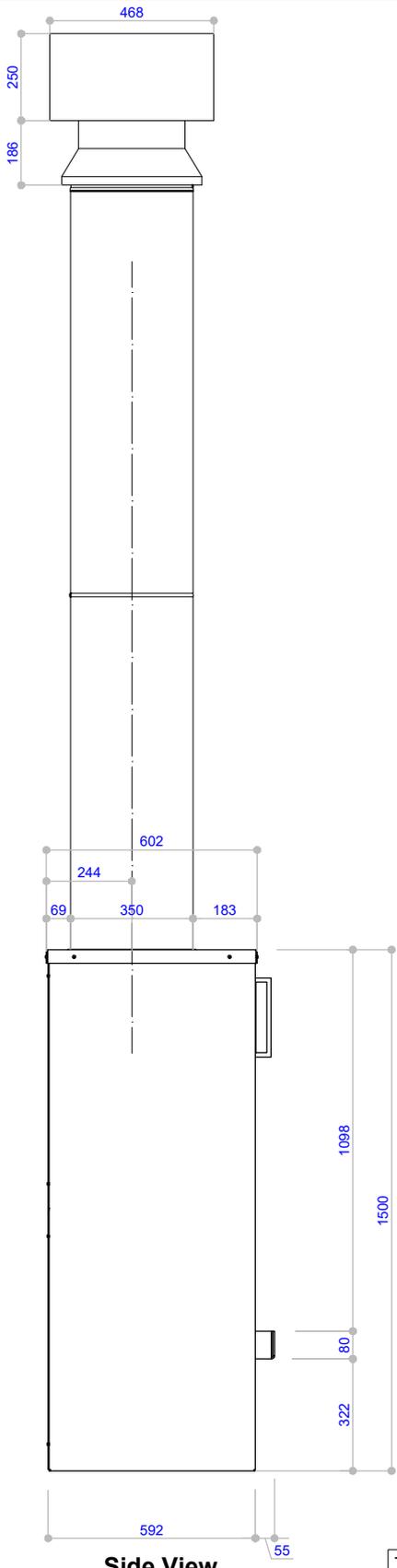


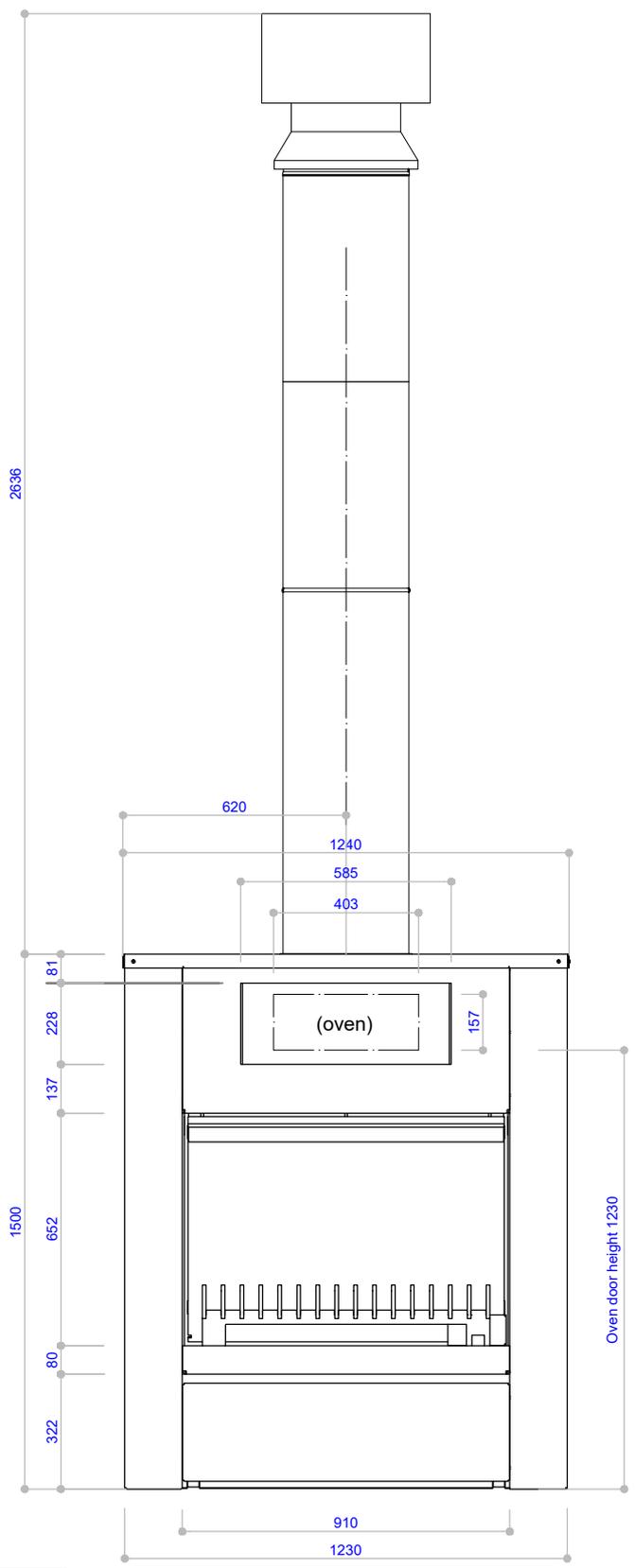
# **FIRE DEPT**

**WD50 | 900**

**SPECIFICATIONS**



Side View



Front View

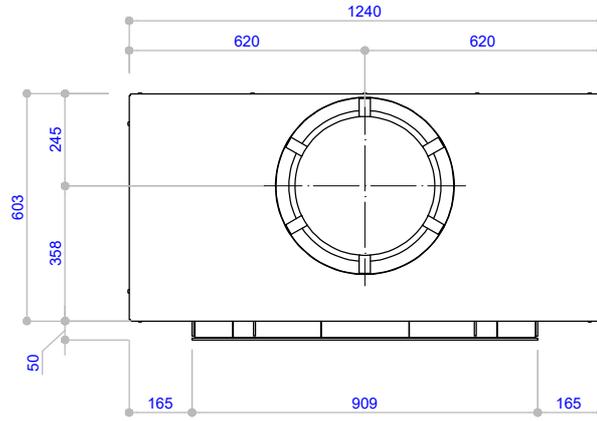
TOLERANCE = +/- 3mm

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Client: THE FIRE DEPT.			
Product: WD50 - 900			
Title: FIREPLACE DIMENSIONS			
Drawn: JG	Date: 13/10/2025		
Chkd: LB	Date: 13/10/2025		
Appd: JW	Date: 13/10/2025		
Scale: on A4			

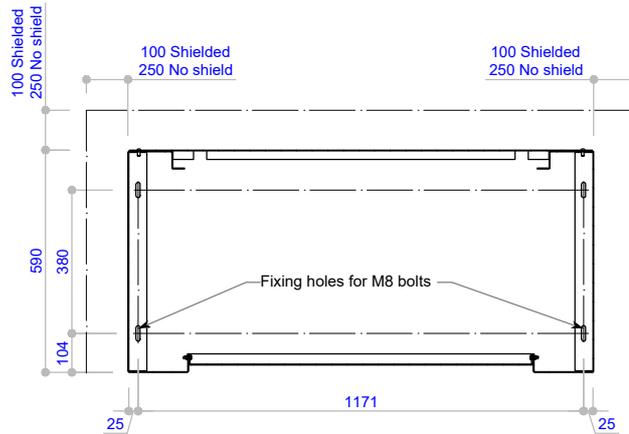


Drawing No.	WD50-900-901	Sheet 01 of 07	Revision 3
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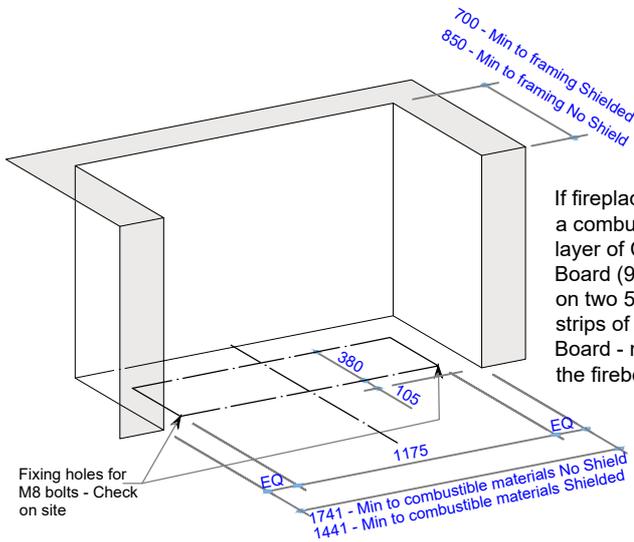


Plan View

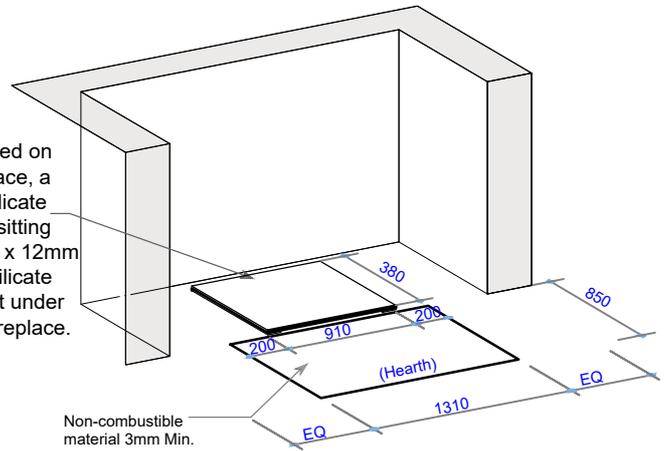
TOLERANCE = +/- 3mm



Fixing Set-out - Plan View



If fireplace is installed on a combustable surface, a layer of Calcium Silicate Board (9mm Min), sitting on two 50mm wide x 12mm strips of Calcium Silicate Board - needs to sit under the firebox of the fireplace.



NOTE: Confirm fixing holes and access on site prior to drilling.  
Fireplace to be 250mm /100mm (shielded) clear of combustable materials.

NOTE: Hearth does not need extend past the sides of the fireplace opening, but needs to extend 850mm from front of fire opening.

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Product: WD50-900

Title: CAVITY CLEARANCES

Drawn: JG

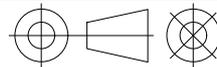
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Chkd: LB

Date: 13/10/2025

Appd: JW

Date: 13/10/2025



Scale: on A4

**FIRE  
DEPT**

Drawing No.

WD50-900-902

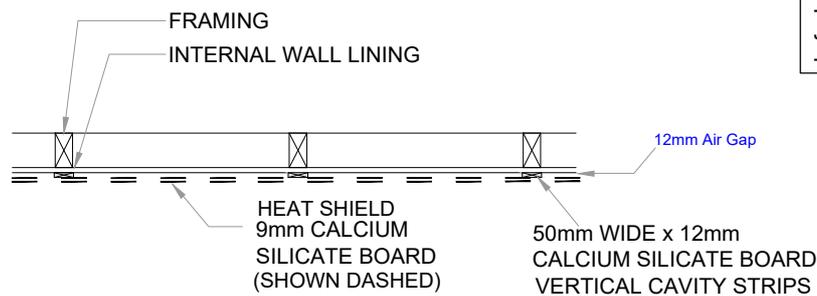
Sheet 02 of 07

Revision

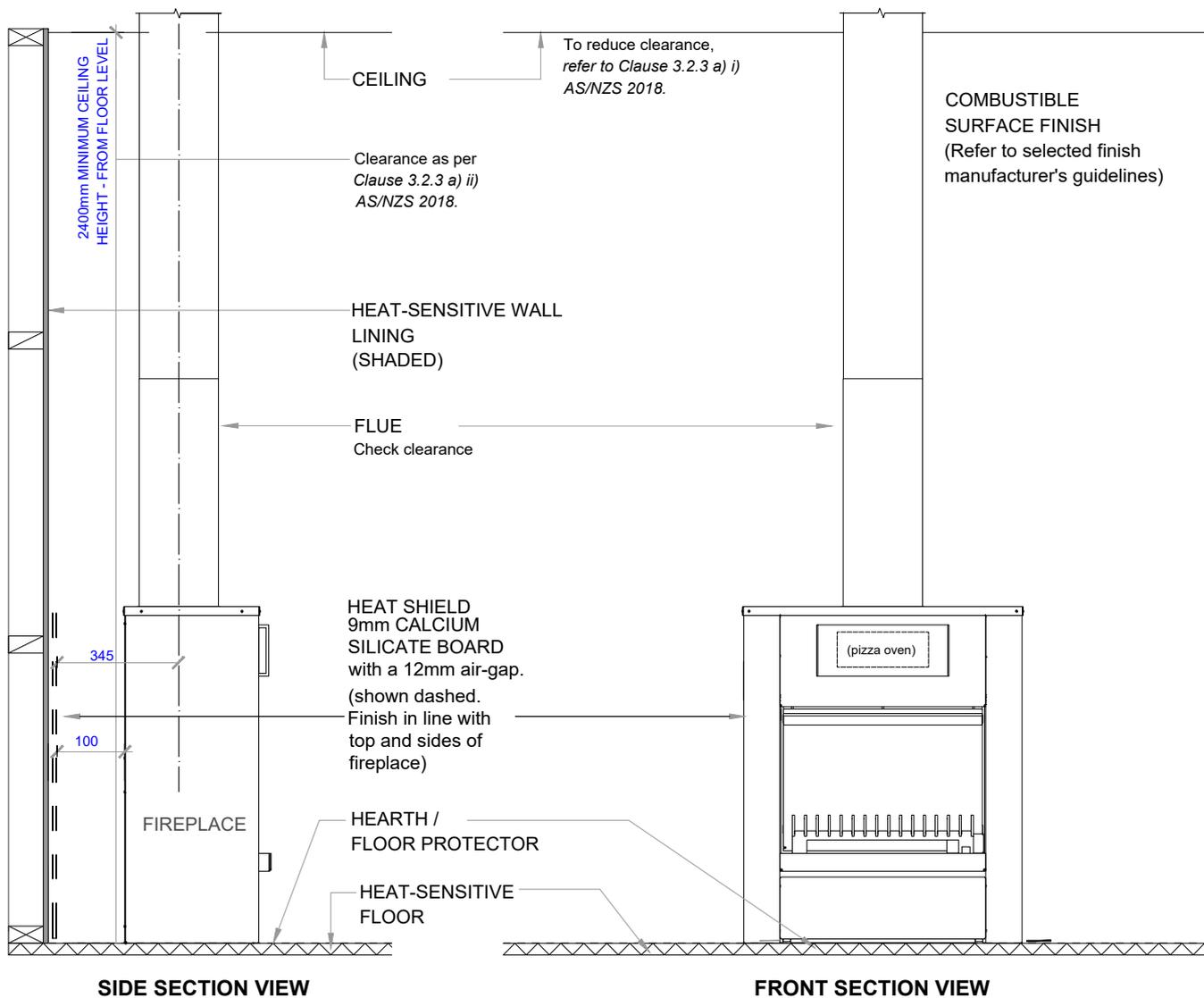
3

Note: Reduced clearances are measured from the outer face to the fireplace to the Calcium Silicate Board  
Ventilation air gaps at the top and bottom of the Heat Shield must be provided and must not be closed or blocked off.

**NOTES:**  
**NO NOTCHING HEAT SHIELD PANELS**  
FIXING:  
- EDGE FIXING DISTANCE 12mm.  
- CORNER FIXING DISTANCE 50mm  
- ACHIEVE 200mm CENTRE FIXINGS TO ALL FRAMING.  
JOINTS:  
- 2mm BUTT JOINT PANELS



Heat Shield requirements to reduce clearances.  
Refer Sheet 2 - 'Shielded' measurements



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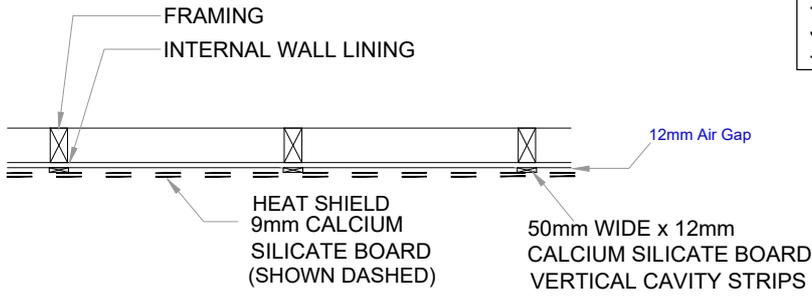
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Product: WD50-900	
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Drawn: JG	Date: 13/10/2025
Chkd: LB	Date: 13/10/2025
Appd: JW	Date: 13/10/2025



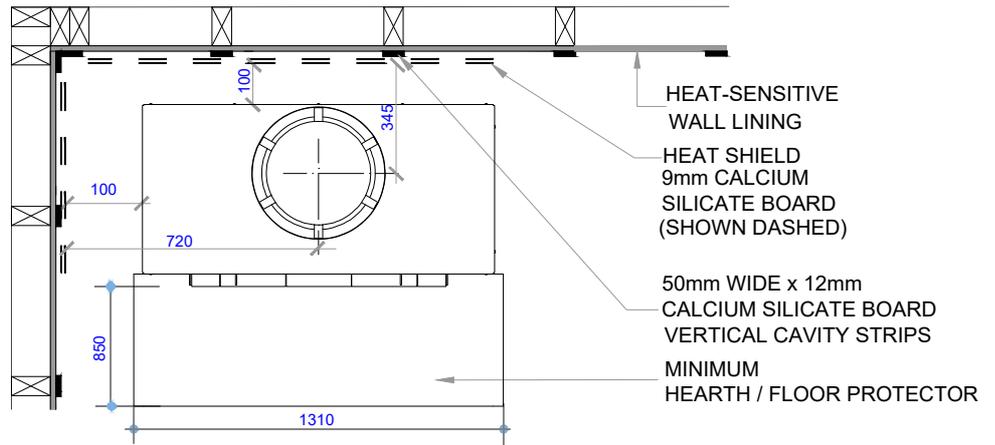
Drawing No.	WD50-900-903	Sheet	03 of 07	Revision	3
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Note: Reduced clearances are measured from the outer face to the fireplace to the Calcium Silicate Board  
Ventilation air gaps at the top and bottom of the Heat Shield must be provided and must not be closed or blocked off.

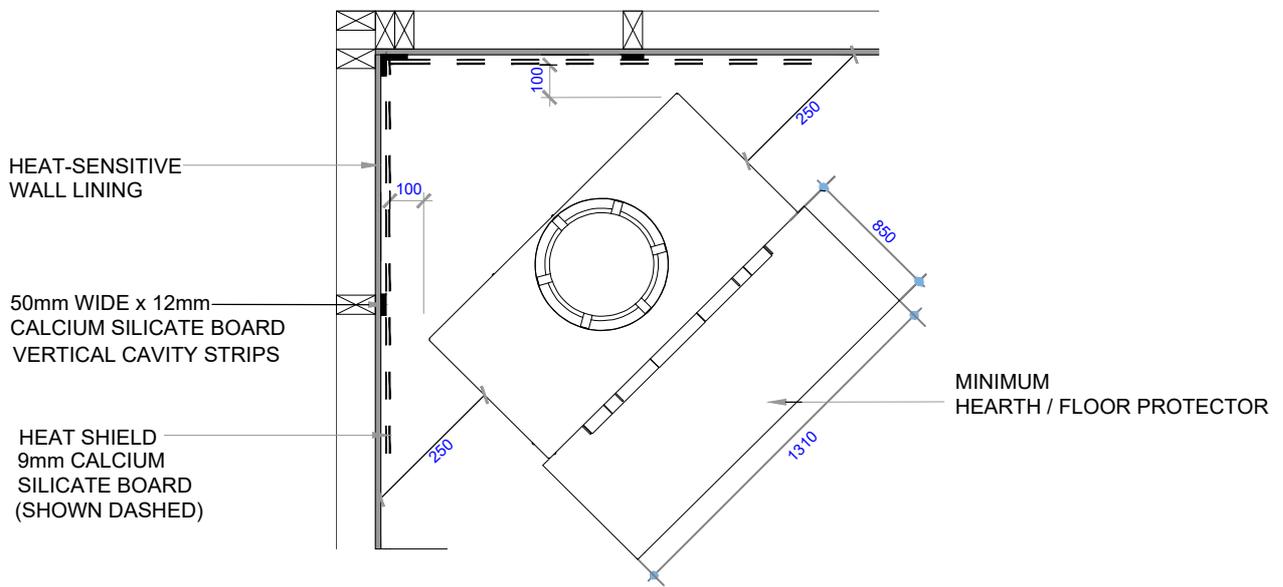
**NOTES:**  
**NO NOTCHING HEAT SHIELD PANELS**  
**FIXING:**  
 - EDGE FIXING DISTANCE 12mm.  
 - CORNER FIXING DISTANCE 50mm  
 - ACHIEVE 200mm CENTRE FIXINGS TO ALL FRAMING.  
**JOINTS:**  
 - 2mm BUTT JOINT PANELS



Heat Shield requirements to reduce clearances.  
Refer Sheet 2 - 'Shielded' measurements



**PARALLEL TO WALL INSTALL PLAN**



**CORNER INSTALL PLAN**

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Product: WD50-900

Title: REQUIREMENTS TO REDUCE CLEARANCES

Drawn: JG

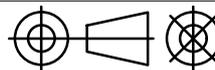
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Chkd: LB

Date: 13/10/2025

Appd: JW

Date: 13/10/2025



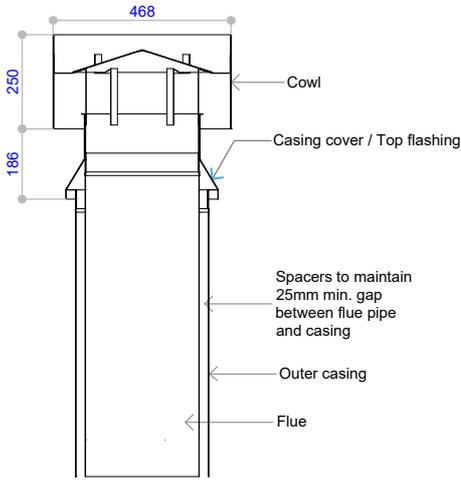
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**FIRE  
DEPT**

Drawing No. **WD50-900-904**

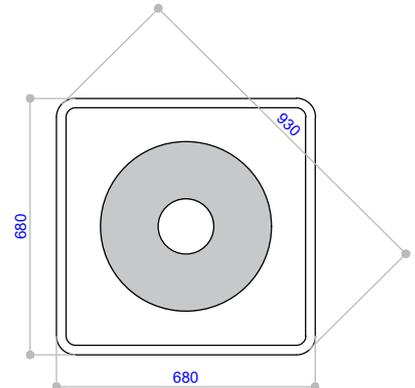
Sheet 04 of 07

Revision **3**



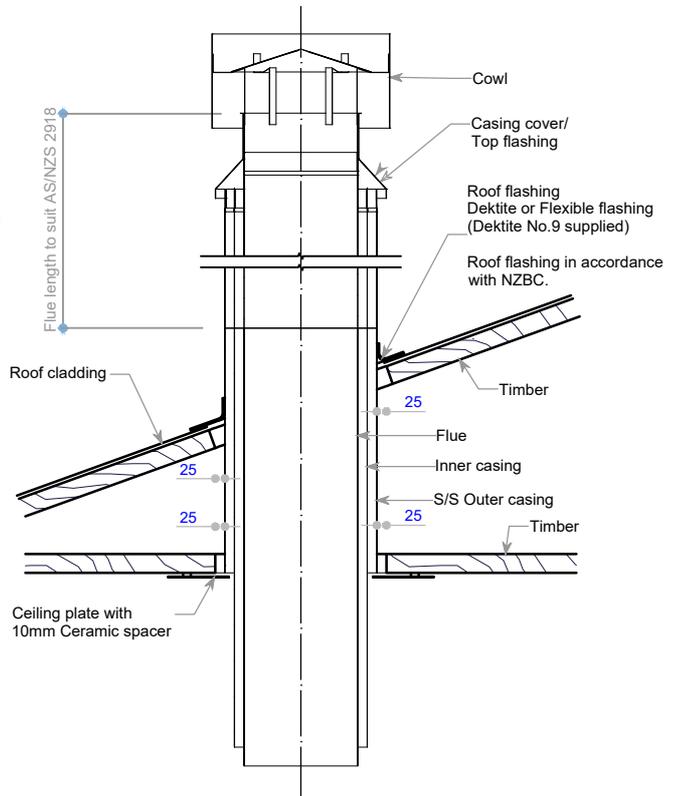
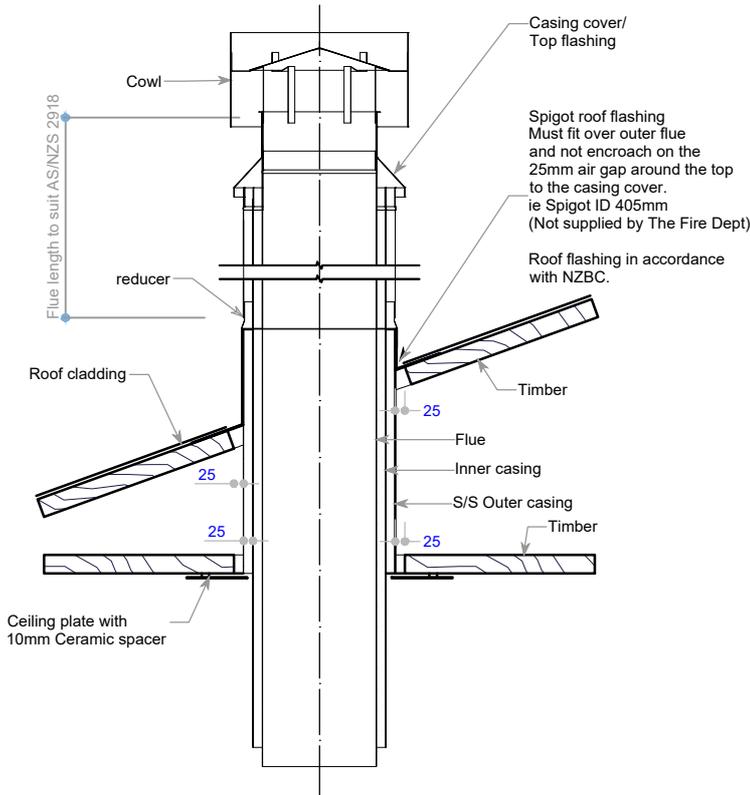
Flue components:  
300mm dia. Flue  
350mm dia. S/S Outer casing

NOTE:  
Flue components must be installed to AS/NZS2918:2001 requirements.  
All external penetration flashings must be installed in accordance with NZBC.  
Cavity airflow must be unobstructed from fire box to flue termination.  
75mm clearance between flue and combustible materials.  
125mm clearance between flue and wiring / plastic water pipes.  
Each flue joint must be sealed with a heat proof sealer.  
Each flue joint must have a minimum of 4 x Stainless Steel rivets.



Dekтите Flashing No. 9 - Plan View

**Option 1 - Free standing fireplace flue detail -  
Air Ventilation through Casing cover / Top flashing**



**Option 2 - Roof penetration flue detail - (Spigot)  
Air Ventilation through Casing cover / Top flashing**

**Option 3 - Roof penetration flue detail - (Dekтите / Flashing)  
Air Ventilation through Casing cover / Top flashing**

Flue components:  
300mm dia. Flue  
350mm dia. Inner casing  
400mm dia. S/S Outer casing  
410mm dia ID to 395mm dia OD reducer

NOTE:  
Flue components must be installed to AS/NZS2918:2001 requirements.  
All external penetration flashings must be installed in accordance with NZBC.  
Cavity airflow must be unobstructed from fire box to flue termination.  
25mm clearance between flue and combustible materials.  
75mm clearance between flue and wiring / plastic water pipes.  
Each flue joint must be sealed with a heat proof sealer.  
Each flue joint must have a minimum of 4 x Stainless Steel rivets.  
Flue to be adequately supported at 2m crs.  
Roof Penetrations: Flue pipe to extend not less than 4.6mm above the top of the floor protector, excluding cowl height.

Flue components:  
300mm dia. Flue  
350mm dia. Inner casing  
400mm dia. S/S Outer casing  
Dekтите No.9

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Product: WD50-900

Title: FLUE EXIT DETAILS

Drawn: JG

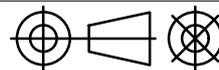
Date: 13/10/2025

Chkd: LB

Date: 13/10/2025

Appd: JW

Date: 13/10/2025



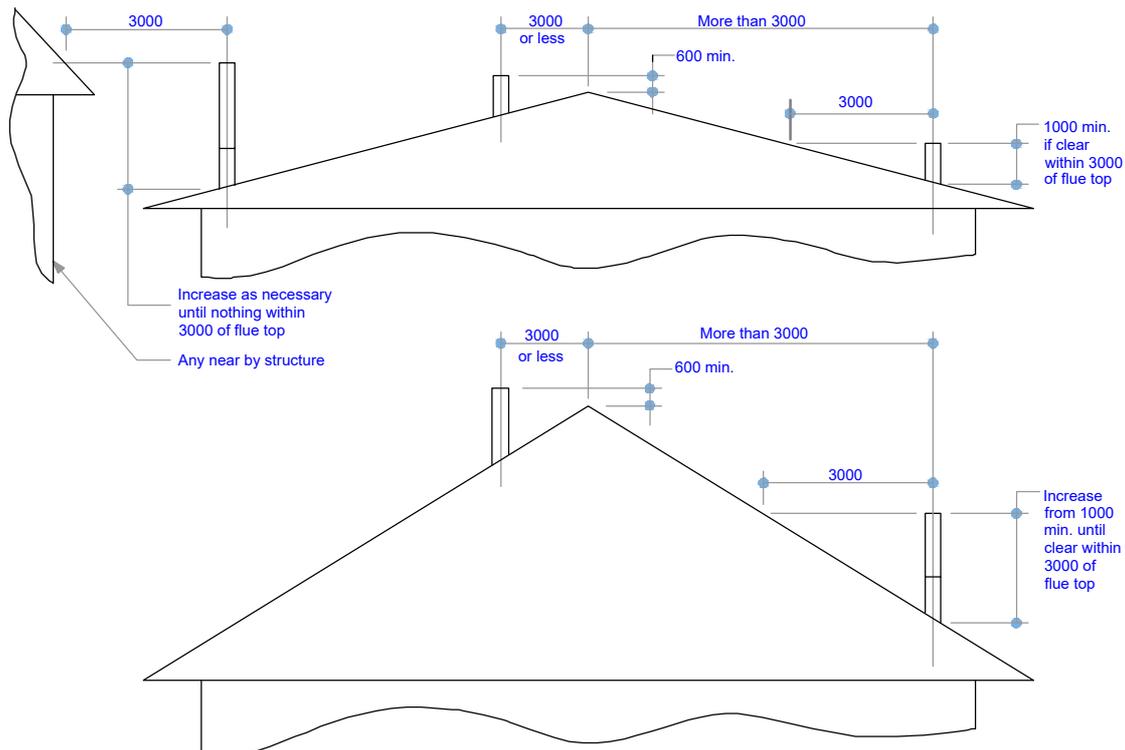
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Drawing No. **WD50-900-905**

Sheet 05 of 07

Revision **3**



**Minimum Height of Flue System Exit**  
Or as per AS/NZS 2918:2001

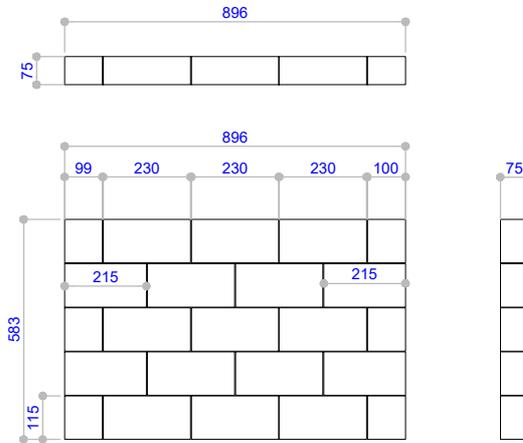
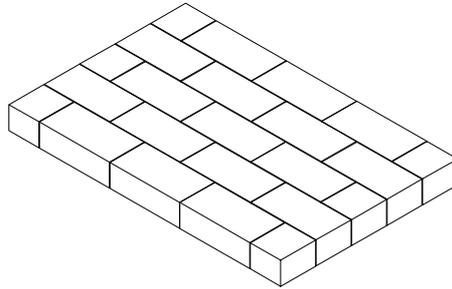
**NOTE:**  
 Flue components must be installed to AS/NZS2918:2001 requirements.  
 All external penetration flashings must be installed in accordance with NZBC.  
 Cavity airflow must be unobstructed from fire box to flue termination.  
 25mm clearance between flue and combustible materials.  
 75mm clearance between flue and wiring / plastic water pipes.  
 Each flue joint must be sealed with a heat proof sealer.  
 Each flue joint must have a minimum of 4 x Stainless Steel rivets.  
 Flue to be adequately supported at 2m crs.  
 Roof Penetrations: Flue pipe to extend not less than 4.6mm above the top of the floor protector, excluding cowl height.

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Client: THE FIRE DEPT.			
Product: WD50-900			
Title: VERTICAL FLUE EXIT DETAILS			
Drawn: JG	Date: 13/10/2025		
Chkd: LB	Date: 13/10/2025		
Appd: JW	Date: 13/10/2025		
Scale:		on A4	



Drawing No.	<b>WD50-900-906</b>	Sheet 06 of 07	Revision <span style="border: 1px solid black; padding: 2px;">3</span>
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**WD50 Firebox Base Cut-List**

**BRICK CUT LIST**

**x13 - 230 x 115 x 75mm**

**x4 - 215 x 115 x 75mm**

**x6 - 100 x 115 x 75mm**

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Client: THE FIRE DEPT.

Product: WD50-900

Title: FIREBRICK BASE CUT-LIST

Drawn: JG

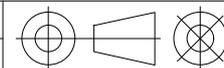
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Date: 13/10/2025



Scale: on A4

**FIRE  
DEPT**

Drawing No. **WD50-900-907**

Sheet 07 of 07

Revision

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