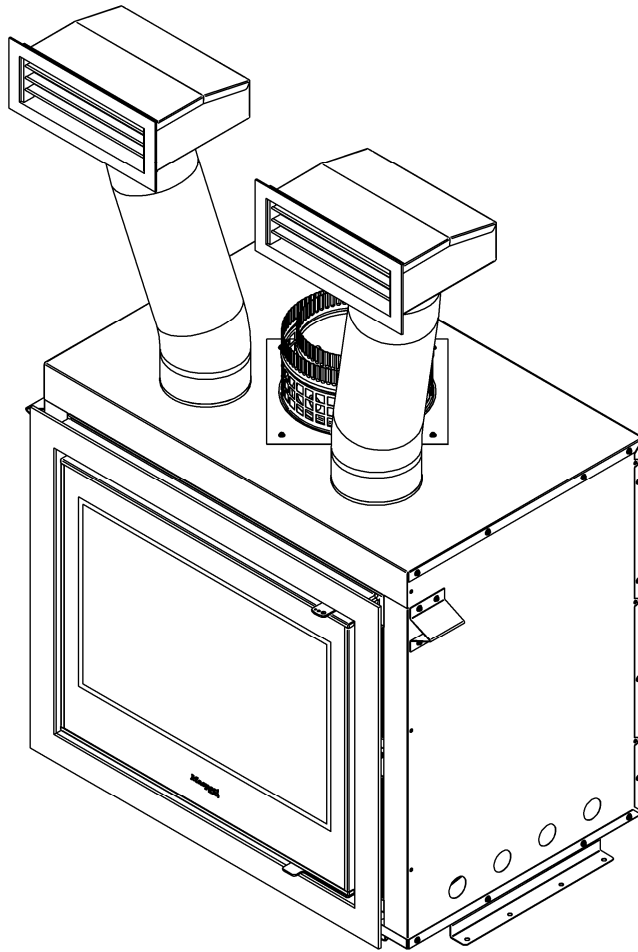




**INSTALLATION INSTRUCTIONS
MASPORT I7000 (NZ) / INVERELL (AUS)
DUCTED BUILT-IN FIRE MODEL FOR NZ & AUS**



**THIS MANUAL CONTAINS IMPORTANT INFORMATION.
PLEASE KEEP IT IN A SAFE PLACE FOR FUTURE REFERENCE.**

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1.0 Introduction

Congratulations! You are the owner of a state-of-the-art ducted built-in fire named as “**Masport Inverell**” in Australia or named “**Masport I7000**” in New Zealand. Inverell / I7000 Built-in fire is designed and developed by Glen Dimplex New Zealand. Thank you for purchasing a Masport appliance.

1.1 Items supplied with the fire

Inverell / I7000 firebox, Zero Clearance cabinet, fascia are assembled and are crated on the pallet along with other ducting accessories.

- 2 x Vent boxes (taped on the top of ZC cabinet)
- 2 x Semi rigid Aluminum Flexible duct (inside the firebox). This can expand up to 1.5 meter length
- 2 x Front support angles (nailed in the front of the wooden crate)
- 1 x Cardboard box, which contains:
 - o 2 x Vent collars to be installed on top of ZC Box.
 - o 2 x Vent box cutout gussets / templates
 - o 2 x Venting Grills
 - o 2 x Hose clips for ducting
 - o 1 x touch up paint spray can
 - o 1 x pair of gloves
 - o 1 x 4mm Allan key
 - o 16 x Self tapping screws
 - o 1 x Installation Manual
 - o 1 x Operations Manual

1.2 Handling and Transport

The Inverell / I7000 fire and related components are heavy and tall in size with a total weight of 190 kg. Single person handling could cause injury, hence Masport recommends suitable handling equipment or two persons while handling, both outside and inside the house. Removing fascia, door and bricks will help to reduce the weight and will ease handling of fire once it is inside the house for installation.

All precautions have been taken during designing of packaging so that the fire reaches the customer's house without any damage. In case any damage is found while de-crating the fire, please report it to your dealer and to Masport immediately before installing the fire.

1.3 Major Installation Steps

Installation of Inverell / I7000 wood burner in your house involves following major steps:

1. Read all warnings, cautions, instructions and understand how Inverell / I7000 wood fire works
2. Evaluate location of fire, flue, hearth, fresh air-input and warm air outlet vents, ducting required and flue system
3. Build framing
4. Unpack fire and gather required all accessories for ducting and vents
5. Locate fire inside the built-in cavity frame
6. Install fresh air inlet, warm air outlet cut-outs
7. Install inlet, outlet vents and ducting
8. Install the flue system
9. Install required floor protection
10. Fix cladding, put fascia & finishing

1.4 Warnings

- The installation of Inverell / I7000 burner may require a building consent prior to installation commencing. Check with your local Building Authority whether there are any extra requirements before commencing installation.
- The Inverell / I7000 burner and flue system shall be installed in accordance with AS/NZS 2918:2001 and appropriate requirements of the relevant local building codes.
- Glen Dimplex highly recommends NZHHA trained SFAIT (Solid Fuel Appliance Installation technician) installer for installation of Inverell / I7000 burner. Your dealer or heating specialist will be able to help with recommendations as well as advice on permits/consents required for the installation in your area.
- Please read carefully all the dimensions and recommendations provided in this manual. The dimensions given comply with required safety standard AS/NZS 2918:2001.
- Safety and emissions performance of Inverell / I7000 can be affected by altering the appliance hence no modifications are allowed without written permission from the manufacturer.
- Please ensure that only components approved by Glen Dimplex New Zealand are used for the installation, as substitutes may adversely affect performance and might nullify compliance with the requirements of AS/NZS 2918 safety standard.
- Inverell / I7000 burner should be installed with a Masport flue system or equivalent and compliant to AS/NZS 2918:2001.
- 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.
- Inverell / I7000 burner and flue system must be serviced at least once a year or more frequently depending upon usage.

1.5 Caution

- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Do not leave children un-attended near alighted fire and keep them well away from the fire when in use. Supervise young children to ensure that they do not play with the appliance.
- Do not use flammable liquids or aerosols to start or rekindle the fire. Also, do not use such flammable materials near this appliance when it is operating.
- Always keep clothing, firewood, furnishing and other combustible materials at a safe distance from the fire.
- Cracked/broken door glass, makes the installation unsafe. Do not operate the fire with cracked glass.
- Do not attempt to clean or maintain the fire when in use or with hot embers in the firebox. Ensure that embers and all other parts of the fire have cooled down completely before starting ash removal or other maintenance.
- Do not use the fire if there is a malfunction, a suspicion of breakage or unusual noises. Contact your nearest Masport dealer or customer service team at Glen Dimplex New Zealand.
- This appliance should always be installed, operated & maintained as per instructions given in this manual.

Failure to follow above warnings, cautionary measures and instruction given in this installation and operation manual will void the Masport warranty of this product.

2.0 Masport Inverell / I7000 Technical Specifications

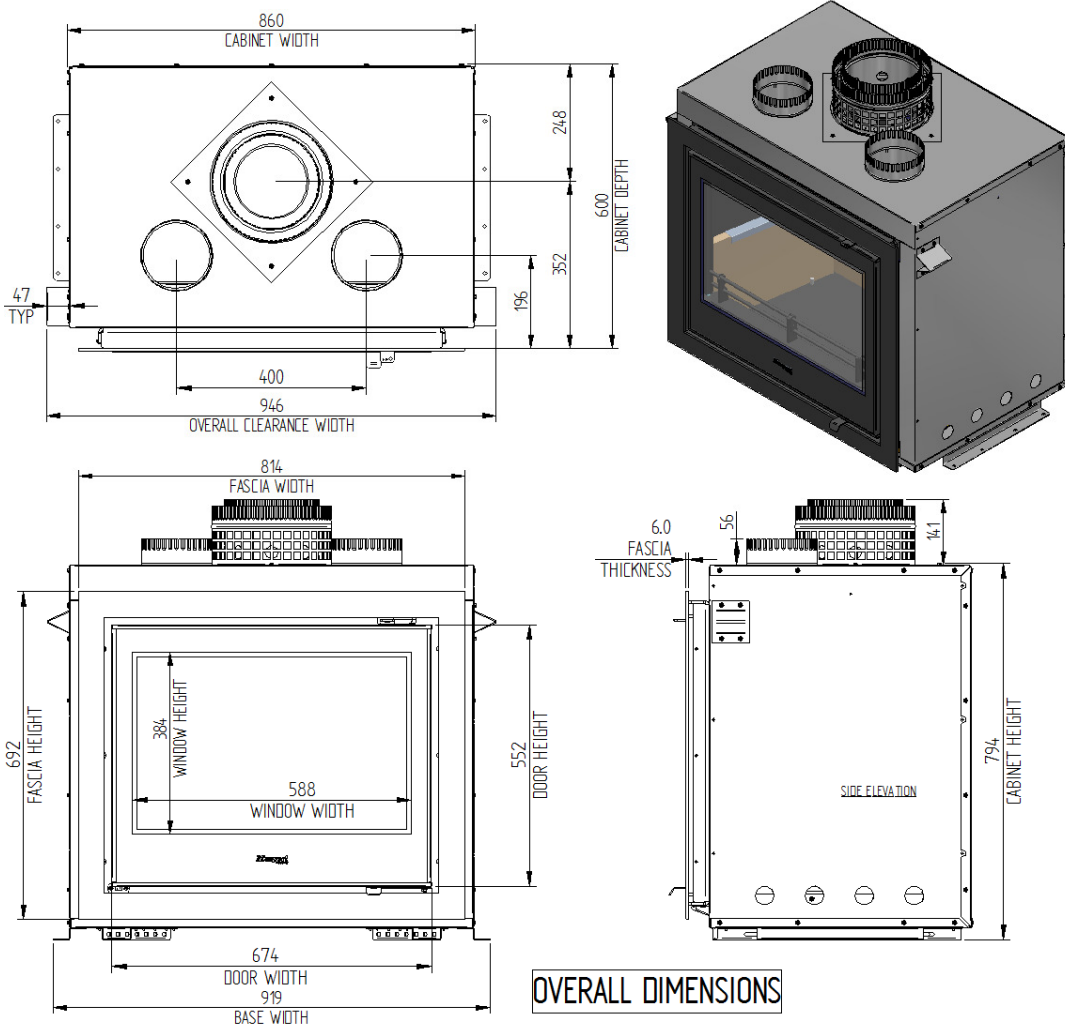
(Read all the instructions carefully before starting any building construction of the cavity)

In Australia - Inverell burner model is classified as a “Central Heating Appliance”. **This burner must be installed as a built-in appliance, along with the flexible ducting fitted to its outer casing.** The ducting is then vented into the living room or adjacent room.

In New Zealand – I7000 burner models is classified as a “Rural Appliance” **This burner must be installed as a built-in appliance, along with the flexible ducting fitted to its outer casing.** The ducting is then vented into the living room or adjacent room.

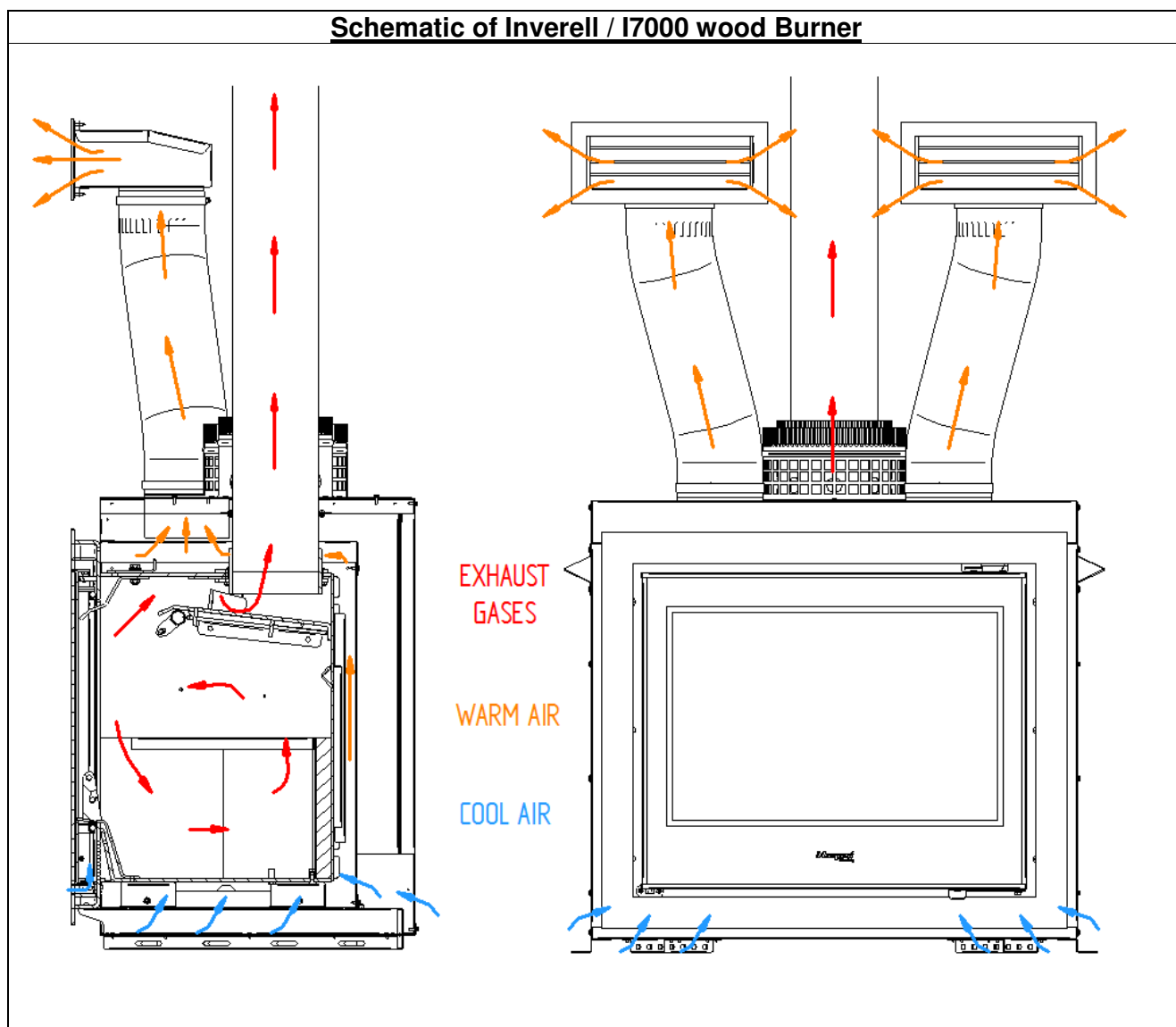
In both Australia and New Zealand, Inverell / I7000 has been tested to and complies with wood burner safety standard - AS/NZS 2918:2018

Output suitable for areas up to	Estimated Peat Output
250 m ²	25 kW
Overall Weight (Including Fascia):	190 kg
Important – Masport recommends suitable handling equipment and/or two person while handling, both outside and inside the house during installation	
Overall Cabinet Size :	860mm W x 600mm D x 794mm H
Overall Fascia Size :	814mm W x 692mm H x 6mm thick
Flue System ::	150mm Double casing Zero Clearance Flue Kit GDFLU021M Or equivalent flue kit that is compliant to AS/NZS 2918:2001



3.0 Working principle of Inverell / I7000 work burner

Inverell / I7000 wood burner has been designed for installation in a build-in cavity. Combustion chamber, zero clearance cabinet and its modern flush fascia are preassembled in a factory for ease of installation. The built-in cavity and flue system requires lot of fresh air, which enters via cutouts in the bottom and sides of the ZC cabinet. After entering the zero clearance cabinet, portion of this fresh air is channeled for combustion of the wood fuel and raises the main firebox temperature to significant levels, which is made of thick steel material. Remaining part of the air circulates around this superhot firebox, absorbs heat energy from its outer surfaces and becomes hot to a significant level. This hot air rises and exits the zero clearance cabinet through two circular ports located on top of the outer skin. These ports are connected to warm air outlet vents using semi-rigid Aluminium ducts and finally exits back into living room through warm air outlet vents installed on the built-in cavity. Along with this convection hot air, Inverell / I7000 burner also radiates lot of heat energy through large glass window on its main fuel loading door and heats the air in the close vicinity of the fire in the front. This combination of radiant and convection heat makes Inverell / I7000 wood burner an efficient appliance to heat not only the living room but can warm adjacent rooms as well.



4.0 Location and other important considerations required for Inverell / I7000 installation

- Location
 - Evaluate the location of your fireplace, ducting and venting options. It is important to determine how the fireplace is going to be finished.
 - **Ensure that there is adequate air supply within the room/area where the fire is installed in, to ensure proper operation of the fireplace.** Install outside air intake kit, if in doubt.
 - Ensure that there are no exhaust fans within the vicinity of the fireplace as this can cause the fireplace to emit fumes back into the room. **Also, heat transfer kit with fan should not be used in any circumstances.**

- Built-in cavity
 - Consider minimum size and clearances to combustibles given on page XX, for the built-in cavity required for this wood burner.
 - For framing, use dressed framing timber with minimum 90x45 cross section.
 - Refer schematic diagrams shown on pages 9 & 10.
 - Inside dimensions of the built-in cavity are important. In case, framing timber with larger dimensions is used, maintain minimum inside dimensions.
 - If there is a ceiling in the cavity, cutout with minimum 25mm gap should be made around outer flue casing to ventilate the cavity. i.e. 300mm dia hole around 250mm outer casing of flue casing.
 - If the cavity opens into the ceiling space, provide adequate rodent proofing at ceiling level.
 - Fix cladding only after installing fire, ducting and all the vents in place.

- Elevation of fire
 - Decide height of burner install from the ground.
 - Considering the modern aesthetic of this model, it is recommended that Inverell / I7000 be installed at an elevated height.
 - floor protector requirement depends upon the elevation of fire above ground
 - Support shelf can be maximum up to height of 670mm above the ground

- Floor protector
 - For an elevated installation of 350mm and more above the ground, only ash floor protector up to 300mm distance in the front of the door glass is required.
 - Ash floor protector must be constructed of non-combustible material such as fibre cement board (e.g. Hardies Tile & Slate underlay), steel sheet or equivalent. The minimum width of floor protector should be 1000mm.
 - Larger and thicker floor protector can be constructed for aesthetic purpose.
 - For installation below 350mm height, the floor must be non-combustible extending from rear of the burner to 650mm in the front of door glass.
 - Refer schematic diagrams shown on page 16

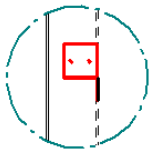
- Fresh air intake
 - Fresh air intake into built-in cavity is a requirement for this installation for proper and efficient operation of Inverell/ I7000 burner.
 - This fresh air needs to enter the built-in cavity at the lower part of the fire.
 - It can enter from bottom, sides or rear of the built-in cavity.
 - It can enter the built-in cavity through the same room, adjacent room or outside of the house.
 - Appropriate configuration should be used to avoid condensation, particularly if the air is coming from outside.
 - The air intake must not draw air from the attic, from the basement or from garage.
 - The outside wall termination must be installed where it is not likely to be blocked by snow or exposed to extreme wind and away from automobile exhaust fumes, gas meter or other vents.
 - The fresh air intake openings must be covered with an appropriate mesh or similar to prevent vermin etc. entering the built-in cavity and meet the local building code requirements.

- Refer schematic diagrams shown on page 13 for required opening.
- Warm air outlet vents
 - 2 x warm air vent must be connected to outer of zero clearance cabinet.
 - These two vents can vent out the warm air in the front, side, rear, other adjacent room or either combination of these.
 - The vents must be installed minimum 300mm below the ceiling level
 - If the warm air output vents are installed on the side or rear face of the built-in cavity, there should not be combustible nogs or cladding material within 300mm distance from any part the vent.
 - Refer schematic diagrams shown on page 13 for required opening.
 - Ducting
 - Two lengths of 150mm diameter, semi rigid aluminium duct are supplied along with the fire.
 - These can be expanded up to 1500mm length and are enough for installing warm air output vent in the same room, above or near the burner.
 - If required please purchase additional ducting that can withstand temperatures up to 250 °C
 - Cladding material
 - Support shelf must be minimum 18 mm thick non-combustible material like Promina or equivalent.
 - For front, & side faces of built-in cavity, use minimum 9 mm thick non-combustible material like Promina or equivalent.
 - For front cladding, maximum 32mm thick non-combustible material can be used.
 - The thickness of front cladding will dictate the nailing/anchoring position of the fire into built-in cavity. Read carefully section 5.3 for positioning and anchoring fire inside the built-in cavity depending upon thickness.
 - Mantle shelf
 - Considering the modern aesthetic of this model, mantle shelf is not recommended for Inverell / I7000 burner.
 - In case mantle shelf is to be build, it must be made of non-combustible material.
 - Glen Dimplex do not recommend installing TV above the fire.
 - Flue System
 - 150mm Flue with Double casing, Zero Clearance Flue Kit GDFLU021M Or equivalent flue kit that is compliant to AS/NZS 2918:2001
 - Top of the built-in cavity or chimney chase must be ventilated either, using 300mm dia additional casing or side vent at the top of cavity.
 - Do not connect the fireplace to a flue system servicing another appliance or an air distribution duct.
 - Refer schematic diagrams shown on page 15.

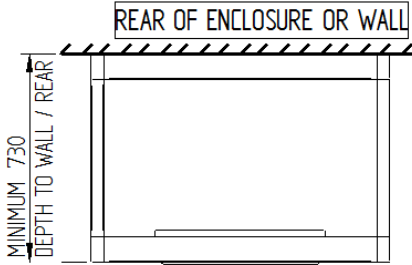
5.0 Installation Procedure for Inverell / I7000 burner

5.1 Built-in Framing

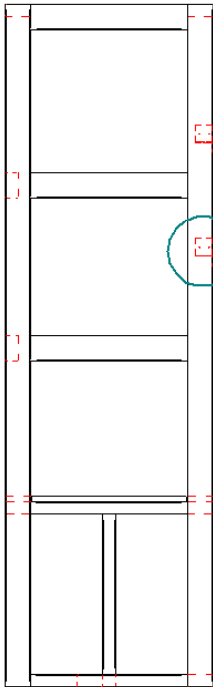
- DO NOT FIX CLADDING UNTILL FIRE, DUCTINGS AND VENTS ARE FULLY INSTALLED.



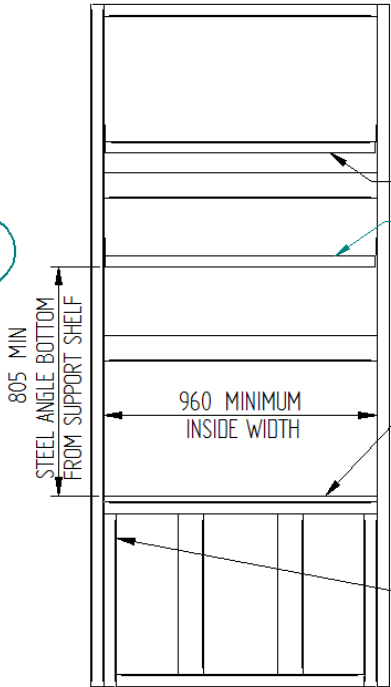
Steel Angle Orientation



Built-In Enclosure Details:
 Use 90x45 Dressed Framing Timber minimum
 All cladding and support shelf to be made of Non-combustible material like Promina or equivalent
 Heater Support Shelf - minimum 18mm thick
 Front Cladding - minimum 9mm thick
 Side and Rear Cladding - minimum 9mm thick



LEFT SIDE VIEW

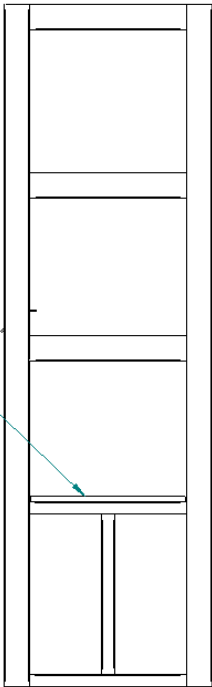


FRONT VIEW

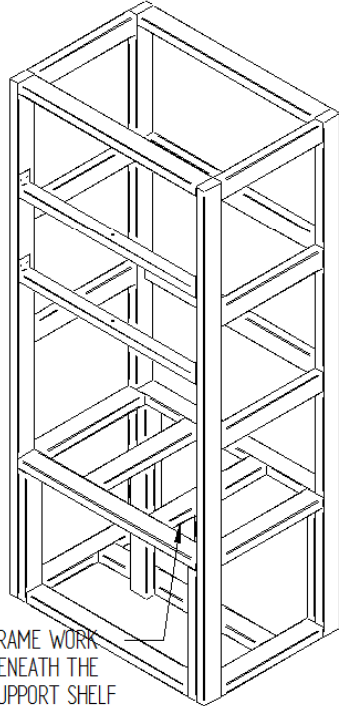
STEEL ANGLES NON-COMBUSTIBLE ON THE FRONT. ALSO ON THE SIDE IF HOT AIR VENTS ARE ON SIDE

SUPPORT SHELF BOARD 18MM MIN THICKNESS

ADDITIONAL BEARERS FOR SUPPORT SHELF FRONT & REAR

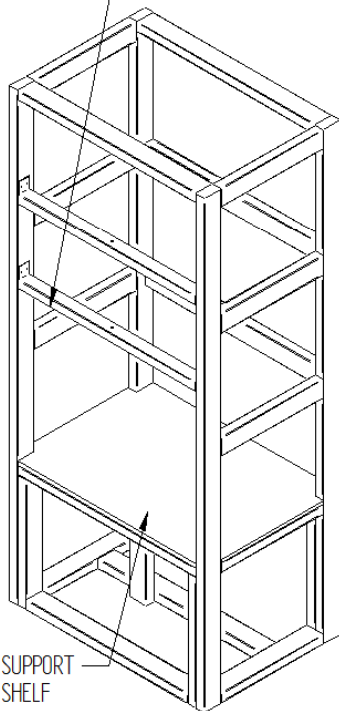


RIGHT SIDE VIEW



FRAME WORK BENEATH THE SUPPORT SHELF

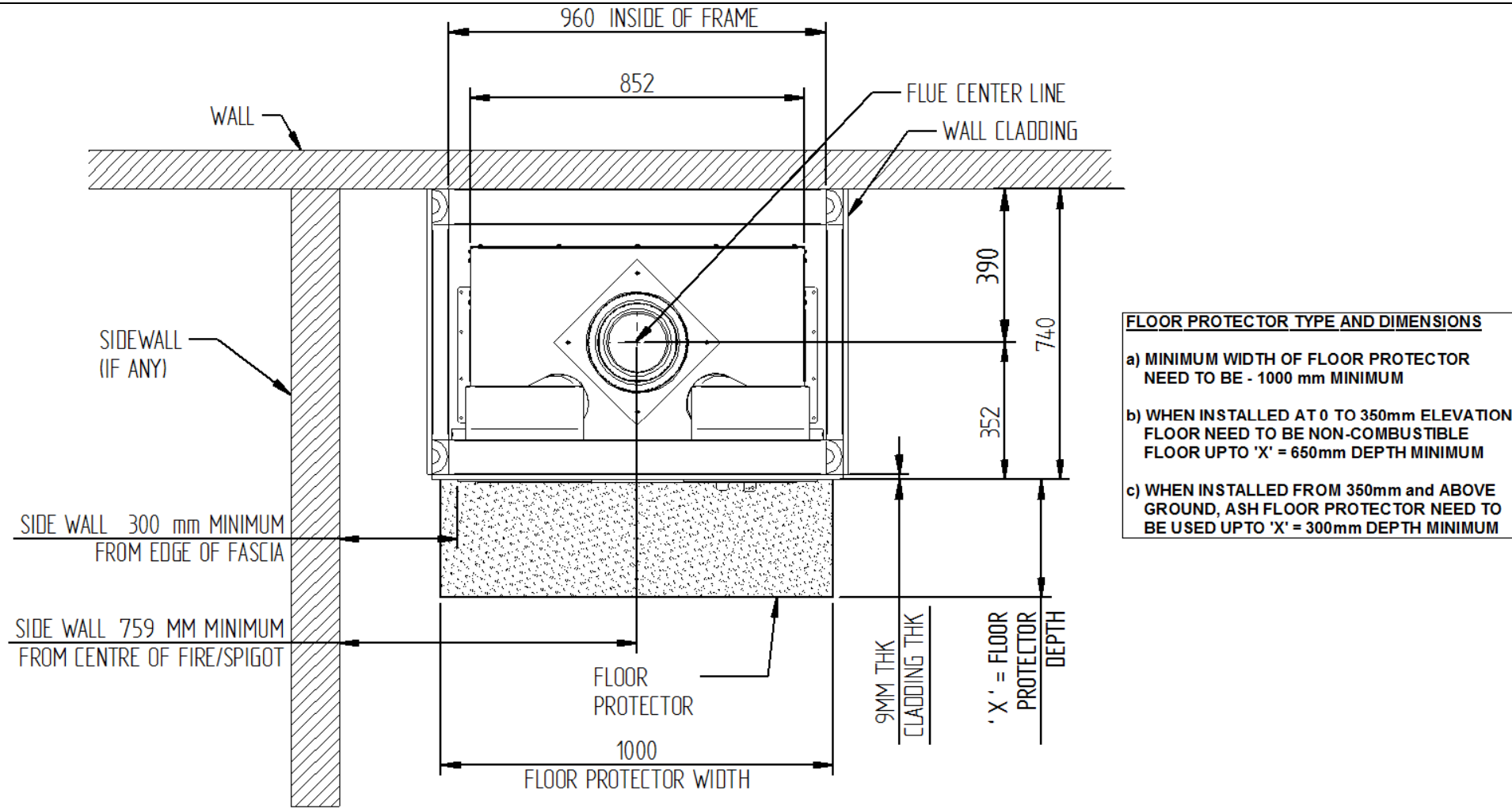
STEEL ANGLES NON-COMBUSTIBLE ON THE FRONT. ALSO ON THE SIDE IF HOT AIR VENTS ARE ON SIDE



SUPPORT SHELF

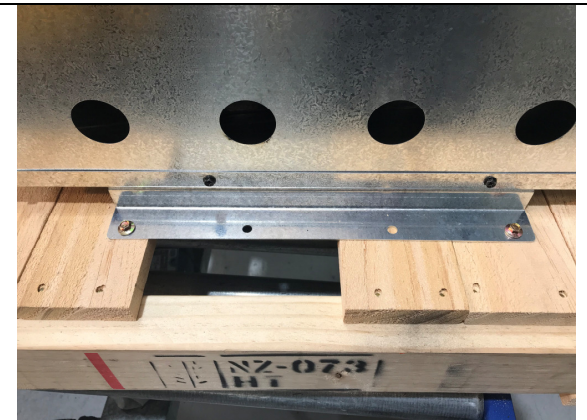
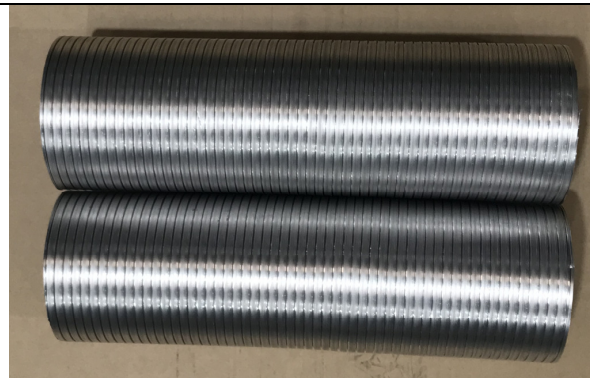
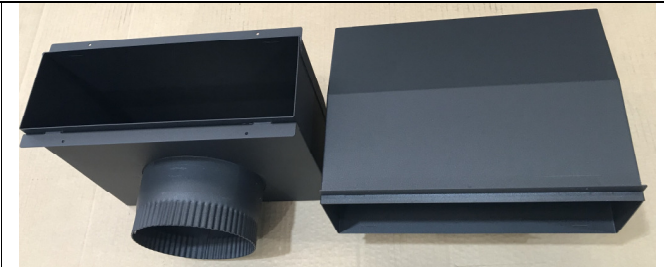
ENCLOSURE STRUCTURE (WITH & WITHOUT SHELF)

5.1.1 Minimum clearances of built-in enclosure to combustibles:



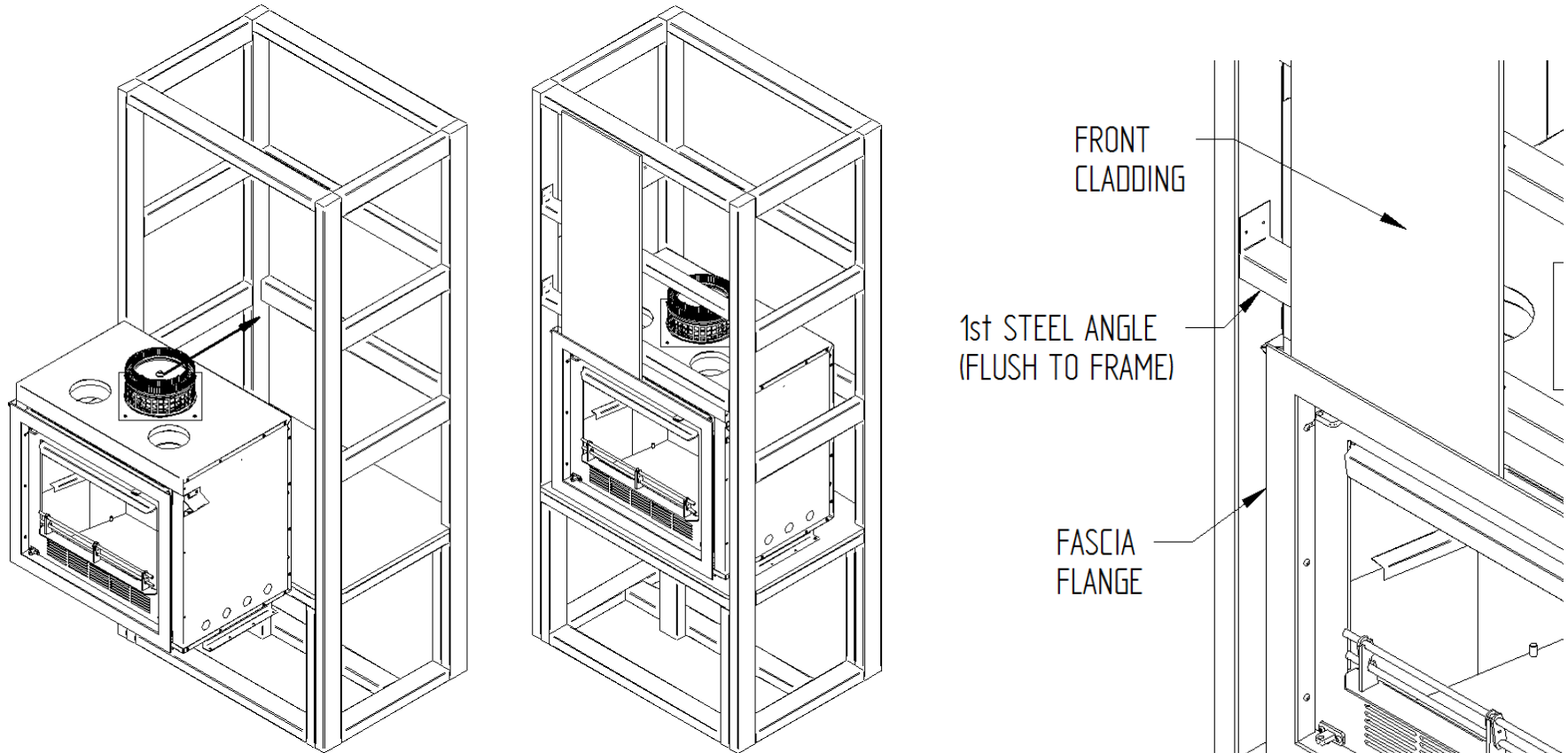
5.2 Unpack and gather all required accessories.

- Remove top of the crate, 4 x corner posts and plastic
- Remove 2 x warm air vents and ZC flue kit adaptor, from the top of the ZC cabinet
- Open main glass door and remove it by lifting and tilting from the hinge block. Keep it away in safe place.
- Take out carton box and keep its contents in safe place
- Take out 2 x semi rigid Aluminium ducts
- Remove 4x taptite screws, two on each side of ZC cabinet and loosen entire fire from the crate
- Take out bricks to reduce the weight further for handling.
- Two persons or appropriate lifting equipment should be used for lifting & handling Inverell / I7000.



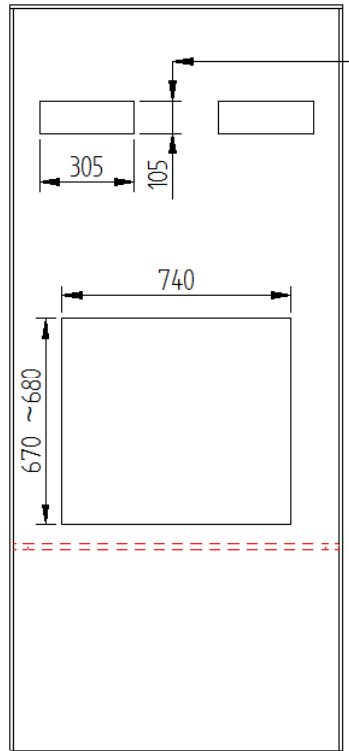
5.3 Locate fire inside the frame:

- Lift the semi-dismantled fire from the pellet; put it on the support shelf.
- Screw and fix supplied steel angles into the front noggs. Ensure that first steel angle is at a correct height and both angle faces are flush with the front noggs of the frame. Refer location of first angle and orientation on schematic given on page 9.
- Centralize the entire fire horizontally within the built in cavity.
- Simultaneously, using piece of non-combustible front cladding material as a gauge, position the flanges of fascia forward, out of cavity face by thickness of the front cladding material. (Refer schematics below)
- Once the fire is centered in both directions, mark and drill required holes on the side flanges of the fire.
- Use appropriated fastening to anchor the fire into built- in cavity.
- Remove fascia by unscrewing six screws, 3 on each of the side flanges using 4mm Allan key provided with the fire.



5.4 Fresh Air inlets & Warm air outlet

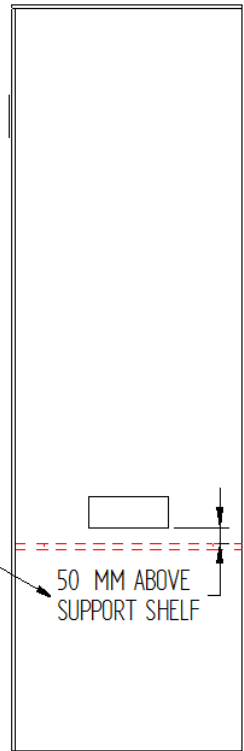
- Refer diagram below to make cutout on front, side and rear of the built-in cavity for air inlets and outlets.
- Air inlet holes need to be minimum 26000 mm² (open area) each on side and rear of cavity, approx. 50mm above support shelf.
- Use guidelines given in section 4.0 to cover air inlet holes



FRONT VIEW WITH CLADDING

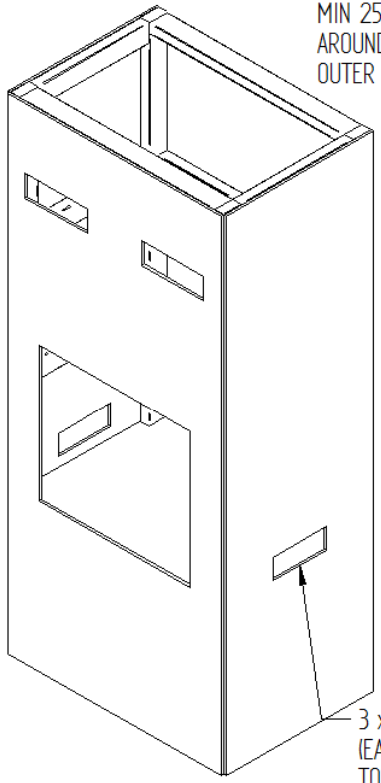
Hot air vent / grills can be on the front, side or rear of the enclosure - Min 300 below ceiling

Enclosure vents minimum 26000mm² open area, on each side and rear of the enclosure.

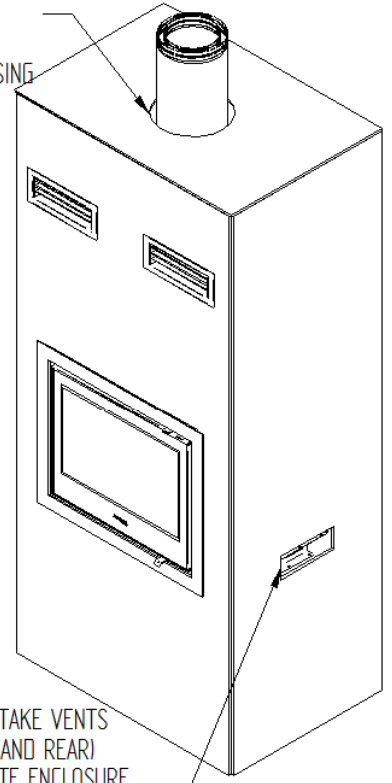


RIGHT SIDE VIEW WITH CLADDING

ENCLOSURE STRUCTURE WITH CLADDING



ENCLOSURE WITH INSTALLED BURNER & VENTS ON THE FRONT

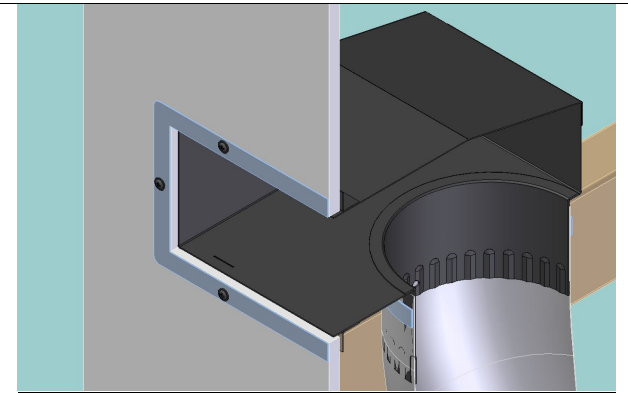
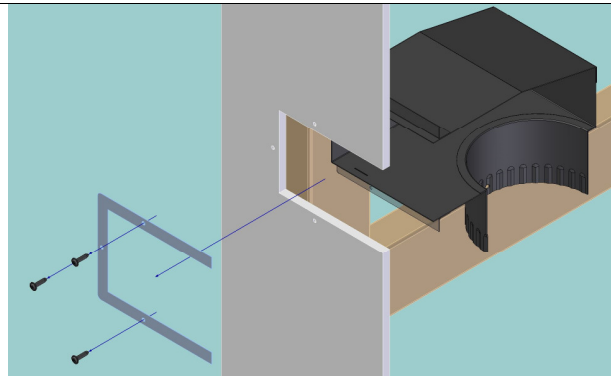
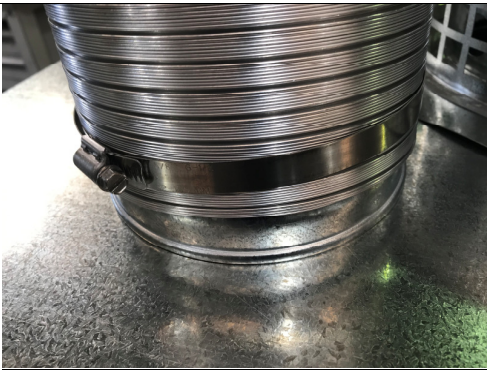
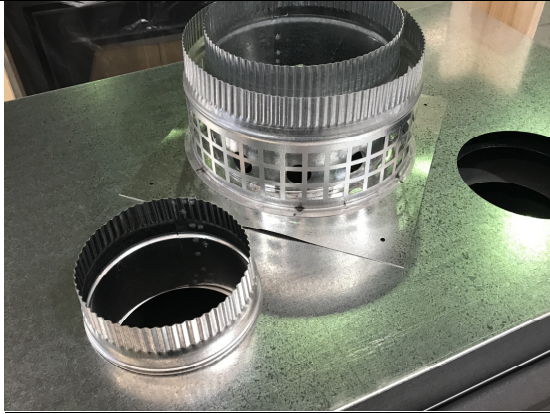


MIN 25MM GAP AROUND 250MM OUTER FLUE CASING

3 x AIR IN-TAKE VENTS (EACH SIDE AND REAR) TO VENTILATE ENCLOSURE (MIN 26000 mm² OPEN AREA PER VENT) i.e. USE 260 X200 CUTOUT WITH 50% OPEN MESH

5.5 Install ducting & Vents

- Insert vent collars supplied into top holes of ZC cabinet so that crimped side is outside.
- Using pointed tool like screw driver, bent two tabs on the collars from inside. This will stop collars popping out of cabinet.
- Use template provided to mark and mount the outlet vent boxes on the cladding front or side of the cavity.
- Place the template on the front cladding, mark and cut required cutout. Use 2x self-tapping screw and attach template to front cladding on two sides
- Drill four dia 4.5 top & bottom holes into cladding using template.
- Mount the warm air outlet boxes using four self-tapping screws provided on to front cladding so that cladding is sandwiched between template and the flanges of the outlet box.
- Connect the duct crimped collar and at the bottom of the vent box using clamps provided.



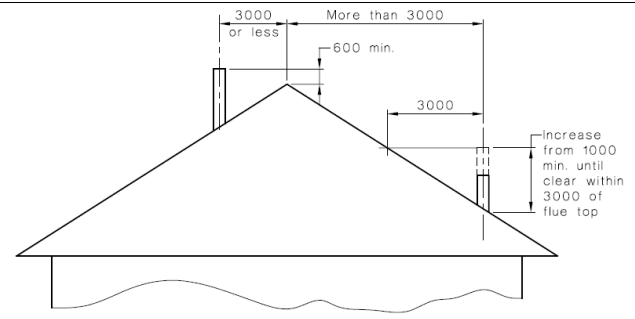
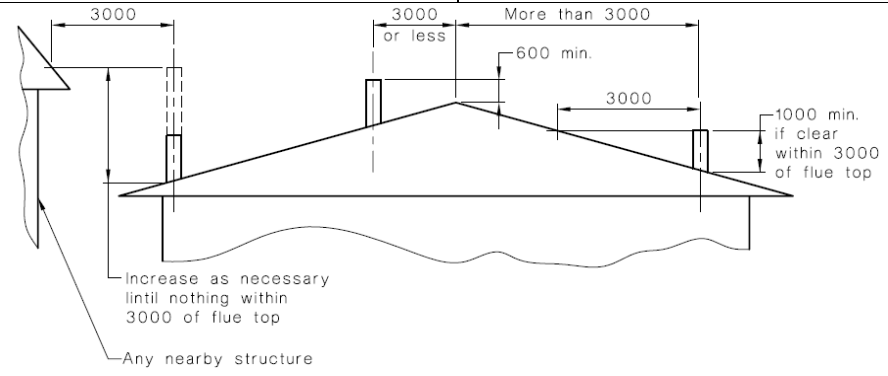
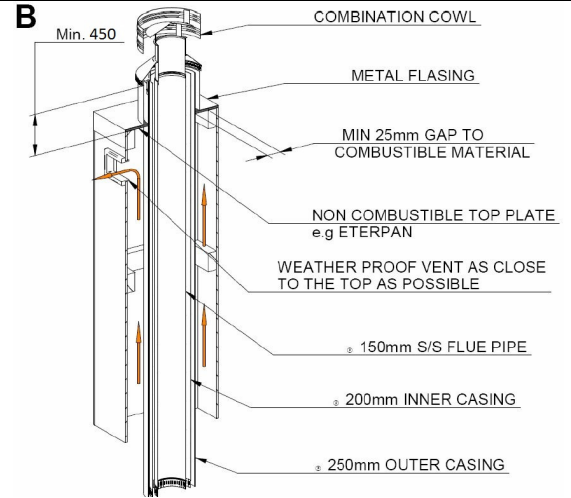
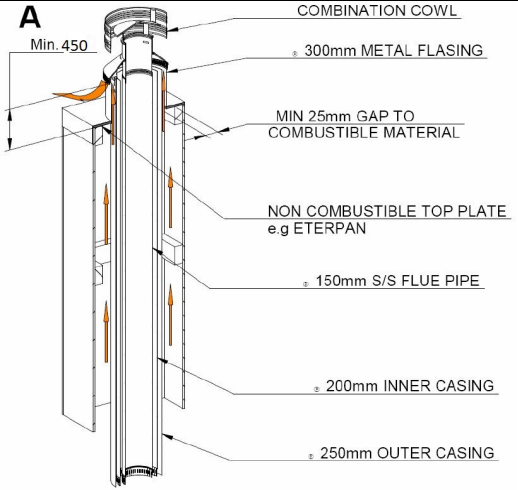
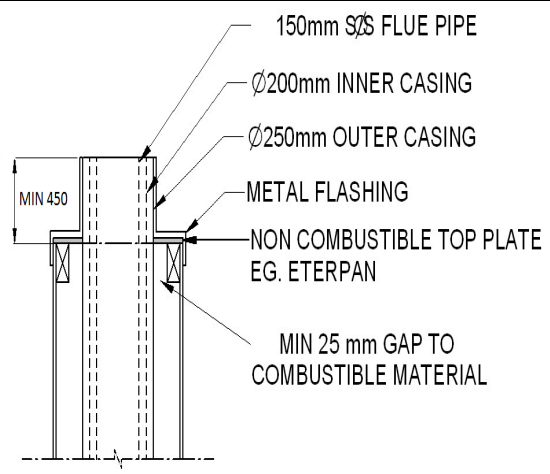
5.6 Install Flue system & Chimney :

- 150mm Flue with Double casing, Zero Clearance Flue Kit GDFLU021M or equivalent flue kit that is compliant to AS/NZS 2918:2001 Refer installation manual supplied by flue manufacturer.
- Top of the built-in cavity or chimney chase must be ventilated either, using 300mm dia additional casing or side vent at the top of cavity.
- To begin, fix the ZC flue kit adaptor using 4 self- tapping screws provided.

Heights of Flue pipe & Casings for GDNZ Combination Cowl

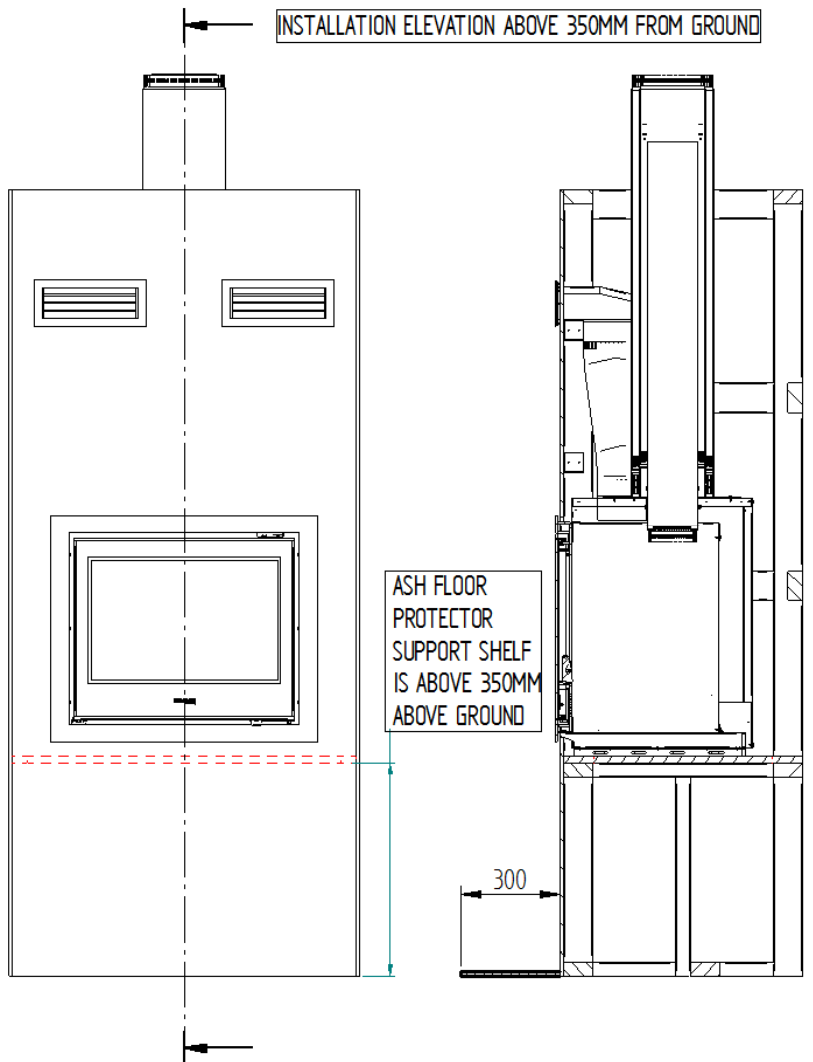
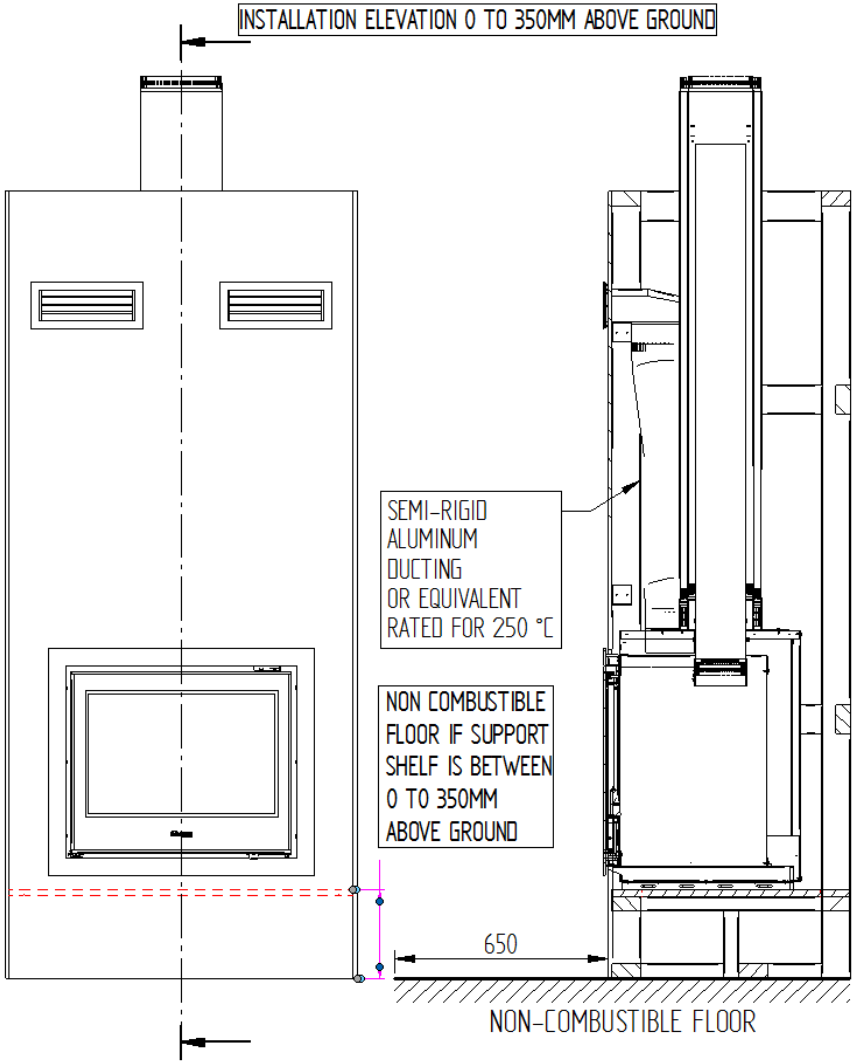
Built-in cavity vented through 300mm casing cover

Built-in cavity vented through side vent



5.7 Floor Protector

- Use diagram below to install required floor protection.



5.8 Finishing

- Once all the ducts, inlet & outlet vents are installed, put cladding from all sides and do the finishing
- Put back all the bricks, fascia and main door
- Use supplied spray can of VHT paint to touch up marks created during handing and installation of the fire.

For operations, maintenance, trouble shooting and warranty terms use Owner's Manual supplied along with the fire.

Important – For any installation variations other than given in this manual, contact technical service team at Glen Dimplex.

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