

For Bob Pomare
Riversdale

Producer Statement Construction Masonry Fireplace Insert

I Jason Allan Director Austin Bros Riversdale [please print]
having had 25 years experience with the installation of solid fuel/diesel fired heating units confirm the following aspects of this installation as having been carried out.

Indicate ☒

- The unit installed being a Woodsmann (make) ZBS (mode) is confirmed as having been tested in accordance with Appendix E of AS/NZS 29188 for installation into a masonry fireplace. ☒
- The masonry fireplace enclosure and chimney has been thoroughly cleaned and inspected to ensure it is a sound condition. ☒
- The integrity of the seal between the masonry fireplace enclosure and the masonry surround has been checked for cracking or gaps that could enable heated air access into the surrounding wall cavity. ☒
- The seal is sound with no evidence of gaps or cracking (or) ☐
- The seal has been repaired with fire cement/plaster. ☒
- Seismic restraints have been fitted to secure unit inside fireplace enclosure. ☒
- The manufacturer's installation instructions has been followed in terms of fitting the heat proof insulating blanket surrounding the units casing, any additional shielding necessary and venting of the masonry fireplace enclosure. ☒
- Stainless steel flue joints have been secured against separation with stainless steel rivets/screws and appropriate heat proof sealant. ☒

Signed

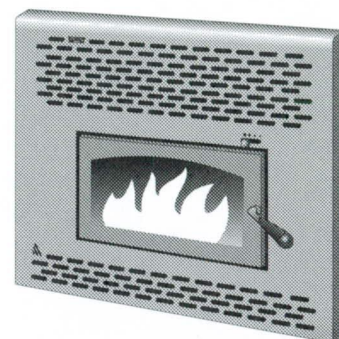
Date

Please either leave this completed document on site for the Building Control Officer or return to the Southland District Council to enable the Code Compliance Certificate to be issued (P O Box 903 Invercargill or Fax (03) 218 9460).

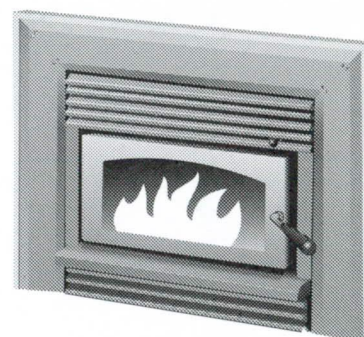
WOODSMAN WOODSTOVES

MATAI IBS SPECIFICATIONS

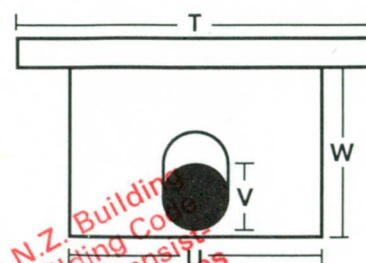
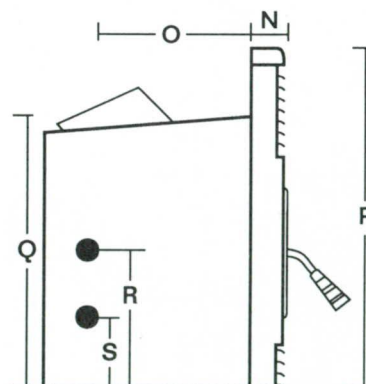
FIREBOX MATERIAL	6mm mild steel plate		
FIREBOX DIMENSIONS	485mm x 275mm		
SECONDARY COMBUSTION AIR	standard equipment		
MAXIMUM LOG LENGTH	450mm		
APPROXIMATE BURN TIME	up to 8 hours often longer		
HEAT OUTPUT MAXIMUM	14kW est.		
HEAT OUTPUT LOW AVERAGE	5.9Kw		
EFFICIENCY MAXIMUM	71%		
EFFICIENCY OVERALL AVERAGE	62%		
DOOR OPENING SIZE	430mm x 210mm		
GLASS AREA	657 sq cm		
GLASS MATERIAL	5mm Robax ceramic		
HOT WATER BOOSTER OUTPUT	up to 1.1Kw		
HOT WATER BOOSTER MATERIAL	1.6mm and 2.5mm stainless steel		
CONTROLS	single slide top right		
FLUE DIAMETER	150mm		
FLUE MATERIAL	24g T304 stainless steel		
HEIGHT OF STANDARD FLUE KIT	4 x 900mm flues & S/Steel elbow		
CONVECTION BOOSTER FAN	not available		
TESTING NZS 7401 : 1985	passed		
NZS 7421 : 1990 incl. App. J.	passed		
AS 2918 : 1990	passed		
CLEAN AIR TESTING NZS 7403 : 1992	passed 0.86g/kg		
AS 4013 : 1992	passed 0.86g/kg		
APPLIANCE WEIGHT	75kg		
APPLIANCE VOLUME	0.25 cubic metres		
FLUE KIT WEIGHT	19kg		
FLUE KIT VOLUME	0.23 cubic metres		
COOKING FACILITY	not applicable		
COLOUR CHOICES	4 colours		
POKER	standard equipment		
WARRANTY 5 YEAR	standard		
WARRANTY 10 YEAR	optional		
MINIMUM HEARTH SIZE	refer installation manual		
MINIMUM HEARTH THICKNESS	refer installation manual		
DIMENSIONS		DELUX	STANDARD
DEPTH OF FASCIA	N	30mm	65mm
FASCIA TO CENTRE OF FLUE SPIGOT	O	335mm	295mm
HEIGHT OF FACIA	P	650mm	650mm
MAX HEIGHT OF FIREBOX CABINET	Q	525mm	520mm
UPPER PLUMBING FITTING TO FLOOR	R	240mm	240mm
LOWER PLUMBING FITTING TO FLOOR	S	100mm	100mm
WIDTH OF FACIA	T	850mm	850mm
WIDTH OF FIREBOX CABINET	U	590mm	590mm
DIAMETER OF FLUE SPIGOT	V	150mm	150mm
TH OF FIREBOX CABINET	W	435mm	400mm



MATAI IBS STANDARD



MATAI IBS DELUXE



HARRIS FLAME TECHNOLOGY

The information contained in this document is intended to be of general nature and should not be quoted for installation purposes.

Harris Flame Technology may, at any time, make modifications to any of the models described, for technical or commercial reasons, without prior notice.

The provisions of the N.Z. Building Code 1991 of the N.Z. Building Code shall apply to anything that is inconsistent with these Plans and Specifications and must be complied with.



MATAI IBS DELUX & STANDARD MODELS

MATAI IBS DELUX AND STANDARD MODEL INBUILT WOODBURNING HEATERS

INSTALLATION REQUIREMENTS FOR MATAI IBS STANDARD AND **DELUX** FLUE SYSTEM *WHERE TIMBER FRAMING IS WITHIN 50mm OF THE CHIMNEY STRUCTURE.

Installation should be carried out by a qualified installer who will ensure:

- that any Building Code requirements are complied with, and is in accordance with NZS 7421:1990, titled "Specification for installation of Solid Fuel Burning Appliances", or AS 2918:1990.
- that the minimum dimensions determined by tests in accordance with NZS 7421:1990, Appendix B, and AS 2918:1990 are complied with to prevent overheating of nearby combustibles.
- that minimum opening size of 650 wide x 580 high x 425 deep for standard, (460 deep for delux) is available when firebricks are removed and that extra provision also be made for plumbing where a hot water booster is fitted
- where the fireplace opening is in a heat sensitive wall a non-metallic heat resistant material shall extend not less than 50mm beyond each side of the appliance and 150mm beyond the top of the appliance.
- if the underside of any mantelshelf, or similar projection, is less than 1070mm for delux, (or 1300mm for standard model) above the hearth, such mantelshelf shall be made of heat resistant material, or shall be protected by a heat resistant deflector which will ensure that the temperature of the mantel will not exceed 90 degrees Centigrade. Underside of the mantel to hearth clearance can reduce to 920mm for both models, if the HFT factory mantel deflector is fitted.
- clearance of at least 1 metre between front of Matai IBS and building structure or any other substantial immovable object.
- that the Ash Hearth, of noncombustible material such as brick or concrete, is provided extending not less than the dimensions shown in the chart. (Ref FIG 3).
- a fireplace appliance shall not be connected to a flue common with an open fireplace.

* ZERO CLEARANCE COMPLIANCE

This Matai IBS model MUST be installed using the WOODSMAN factory built Columbia Cowl, or the Zero Clearance rating does **not** apply.

MINIMUM FLUE HEIGHT

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

If the point of intersection of the flue system and the roofline is greater than 3 metres horizontally, the top of the flue system shall be at least 900mm above the point of intersection with the roofline. (Ref FIG 2).

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

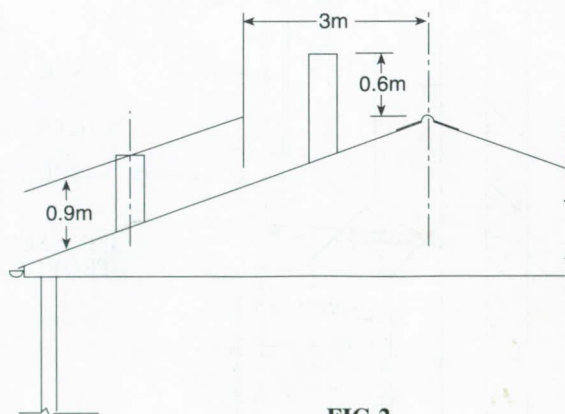


FIG 2.

ASH HEARTH CLEARANCES

Height of Ash Hearth	Minimum extension from heater front	
	Standard	Delux
0 mm	450 mm	300 mm
12 mm	425 mm	273 mm
26 mm	400 mm	245 mm
50 mm	365 mm	200 mm
75 mm	330 mm	200 mm
100 mm	300 mm	200 mm

FIG 3.

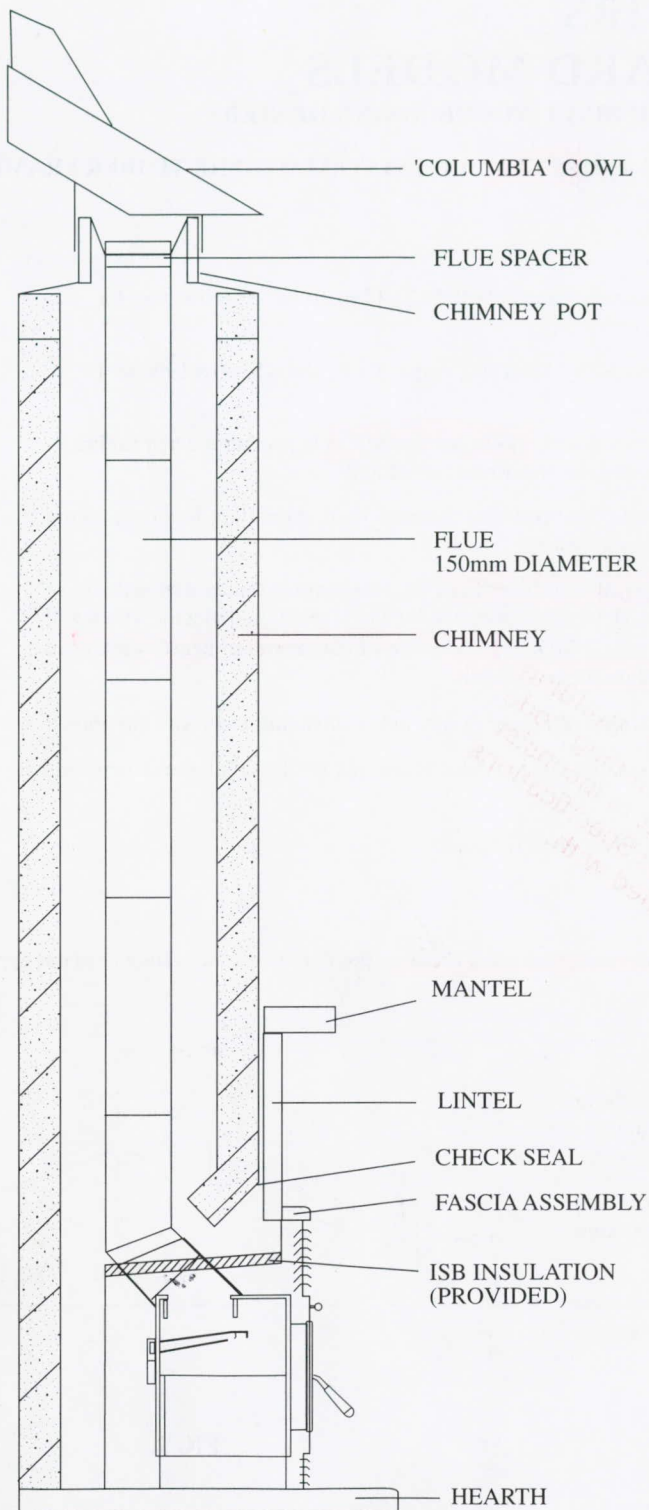


FIG 1.

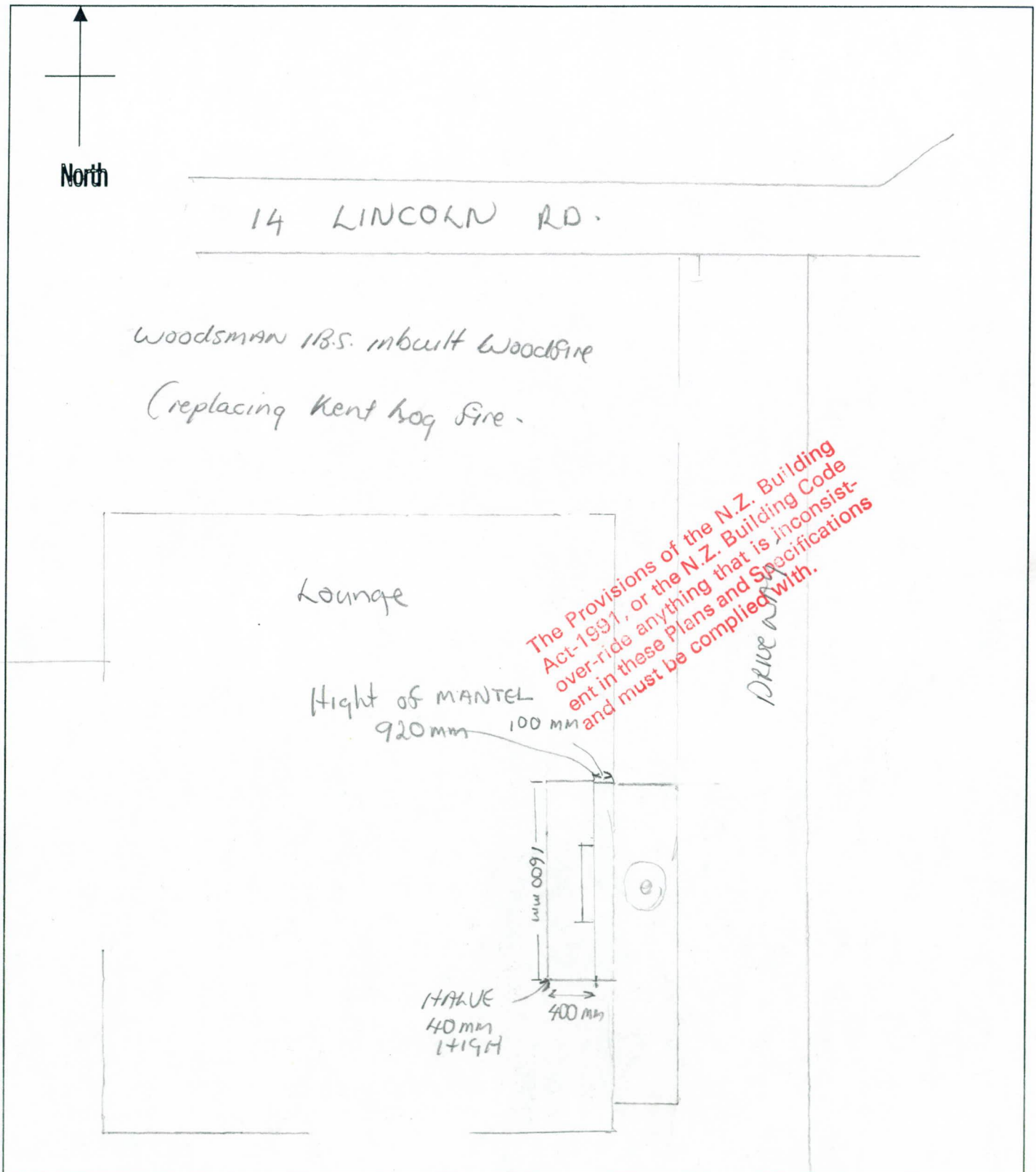
IMPORTANT

The insulation provided with each model **MUST** be fitted at the time of installation and shall not be added to. Altering the insulation will negate the 'Zero Clearance' approval.

1. By removing any existing firegrate, and obstructing (non structural) brick work, provide the necessary space for the unit.
2. Remove sliding top of outer steel cabinet to improve access to fireplace cavity.
3. Ensure (look closely and repair if necessary) that the 'seal' between the fireplace surround and the chimney firebox is in good repair and the chimney is sound.
4. By placing the bottom (crimped end) of each flue *into* the top of the one beneath, join sufficient flue sections to just clear the top of the chimney pot. Apply flue cement or flue seal to each join. Drill and fix all joins with three self tapping screws or pop rivets (stainless steel).
5. Fit the flue system to the Matai IBS stainless steel elbow, seal and fix using stainless steel rivets or self tapping screws. The elbow supplied may be fitted with the long or short leg fitted to the fire box, which ever is more convenient for your individual installation.
6. Trim 150mm diameter flue pipe to 50mm below chimney top and fit spacer supplied. If the chimney height does not meet the requirements of FIG 2, the fluepipe should be extended until all height requirements are met. Any bare flue pipe shall be protected from over cooling by a 280mm diameter galvanised sleeve.
7. Fit 'sleeve' of COLUMBIA cowl to existing chimney pot. Ensure flue is centralised correctly with flue spacer. NB: If no chimney exists - fit Breast-plate with 275mm diameter upstand (not supplied) on top of the chimney to weather-proof and centralise the flue.
8. Push the heater back to the brickwork and fix the elbow into the neck of the appliance. Do not forget to seal and fix this join also.
9. Replace sliding top of outer steel cabinet.
10. Fix fascia to fireplace. If the fascia is smaller than the fireplace opening, trim sets, available from your WOODSMAN dealer, should be fitted.

Site Plan

(A site plan must be submitted with your building consent application).



Please include the following information:

- Distances in metres from location of proposed activity/structure to at least two legal property boundaries;
- Existing buildings on the property, and on adjacent properties;
- Natural features (eg significant trees, indigenous vegetation, water courses etc.);
- External dimensions of new, altered or relocated buildings;
- The location of any public roads in the locality and the accessways from the site to the public roads;
- Scale of Site Plan (ie 1:100 or similar).