



**McKenzie
Martin Ltd**

FIXING INSTRUCTIONS FOR CLEARFIRE VENTILATOR

ETON HILL WORKS, ETON HILL ROAD, RADCLIFFE, MANCHESTER M26 2US. TEL: 0161-723 2234 FAX: 0161-725 9531

GENERAL

- a Care must be taken in storage; handling; lifting and fixing of the units to avoid damage, especially to the base flanges.
- b We recommend the use of 8 mm Diameter hookbolts for securing the end flanges of the ventilators to the roof purlins. Alternatively other fixings may be used providing they are of comparable quality and strength.
- c Similarly, we would recommend that the side flanges of the ventilators should be stitched secured to the roof sheeting using 'Raylap or Rawinut' fixings at maximum 300 mm centres. Again alternative fixings may be used in lieu providing they are of comparable quality and strength.
- d All holes in the vent base flanges must be drilled and not punched.
- e It is essential that the end base flanges are seated on suitable corrugation filler pieces as indicated on the enclosed sketches. These filler pieces should be bedded on to the roof sheeting using a suitable grade of sealing compound – This is particularly important on exposed sites and shallow pitched roofs.
- f When the units are mounted on roof sheeting which incorporates an insulating lining it is recommended that top, bottom, and side closure flashings are fitted to seal off the exposed roof cavity. These can be supplied on request.
- g Units supplied with static controls, i.e. units which open only in the event of a fire, should, after installation, be manually tested to ensure satisfactory operation.

NOTE

The purchaser is responsible for the supply of all fixing bolts, nuts, washers, corrugation filler pieces and sealing compound, of adequate size and quality to ensure satisfactory fixing and water tight sealing.

METHODS OF MOUNTING AT RIDGE POSITIONS

- 1 Plain wing Ridge capping – see sketch CF 1
- 2 A/C Close fitting Ridge capping – see sketch CF 2
- 3 Cranked crown Ridges – see sketch CF 3 and CF 3:1

METHOD OF MOUNTING INTO ROOF GLAZING – see sketch CF 4

METHOD OF MOUNTING ONTO FLAT ROOFS – see sketch CF 5

CONTROL DETAILS – see sketch CF 6

Other fixing methods contractors may adopt must be equivalent.

McKENZIE-MARTIN LTD., CANNOT BE HELD RESPONSIBLE FOR FAULTY INSTALLATION OR DAMAGE CAUSED THEREBY

THESE FIXING INSTRUCTIONS DO NOT FORM PART OF THE COMPANY'S CONDITIONS OF SALE

IMPORTANT PLEASE NOTE BEFORE FIXING

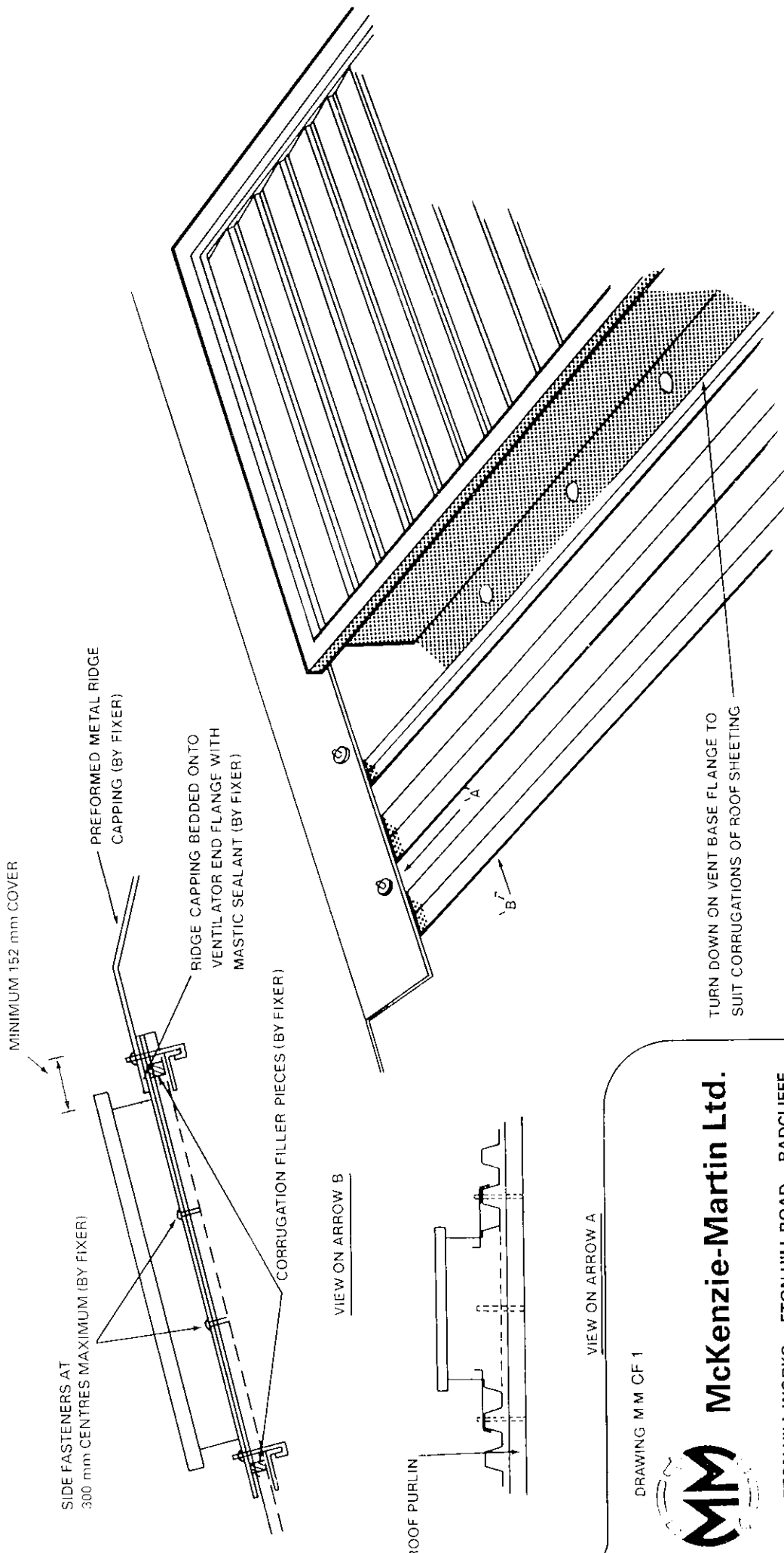
- 1 When additional Gable End extension base flange plates are supplied these are temporarily bolted to the vent base flange to avoid damage during transit. It is essential that they are reversed and rebolted prior to fixing.

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THESE INSTRUCTIONS SUPERSEDE ALL PREVIOUS ISSUES MM 9/97/2

Due to the Company's policy of manufacturing to customers specific requirements the Company accepts no responsibility for any discrepancies which may occur between the equipment supplied and the descriptions in this publication.

Whilst the Company has made every effort to ensure that the information contained in these fixing instructions is accurate, it cannot be held responsible for any errors or omissions arising.



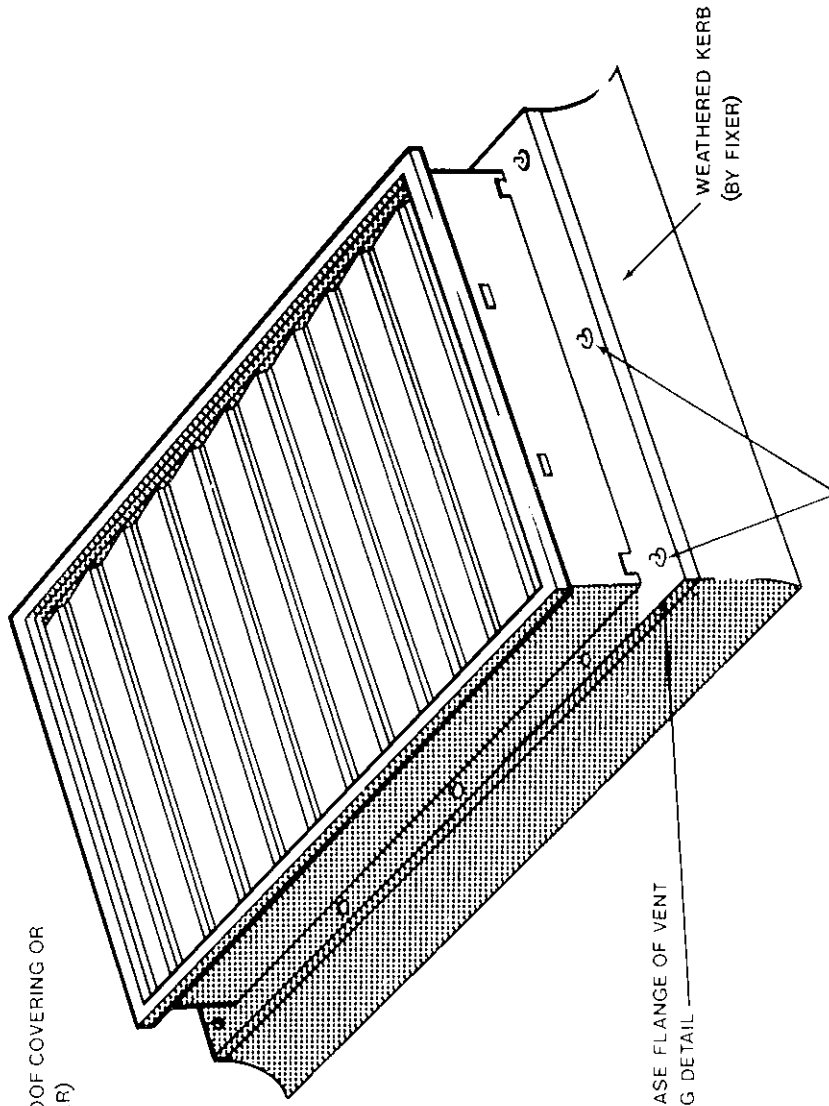
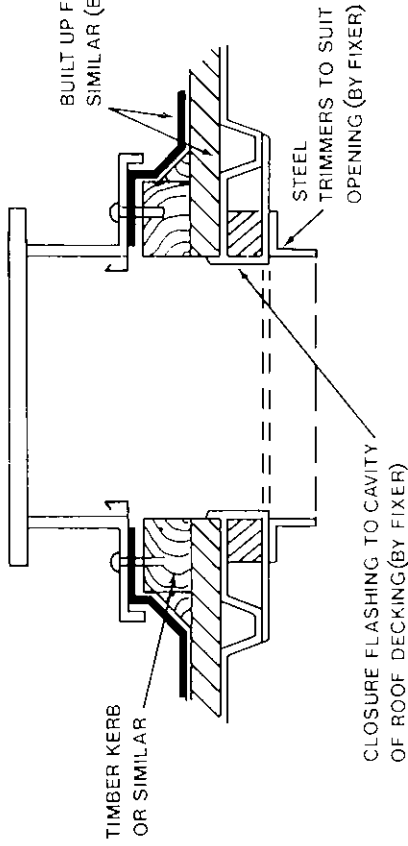
CLEARFIRE TYPICAL MOUNTING DETAIL ON ROOF SHEETING TO PLAIN WING PREFORMED RIDGE CAPPING

DRAWING M M CF 1



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'SEAL TIGHT' LARGE WASHER HEADED FIXINGS OR SIMILAR (BY FIXER) AND SIDE FASTENERS AT MAXIMUM 300 mm CENTRES ALONG LENGTH OF BASE FLANGE

CLEARFIRE TYPICAL MOUNTING DETAIL ONTO FLAT ROOF

DRAWING M.M.:CF 5



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Details required for manufacture

DRAWING REF: DM/FV

of CLEARFIRE, KENSTACK, MULTI-FIRE AND FIREMAC VENTILATORS

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CLIENT

CONTRACT

UNIT TYPE

TYPE & SIZE OF PURLIN (INCLUDING MANUFACTURER)

TYPE OF SHEETING (MANUFACTURER AND MATERIAL)

ROOF PITCH IN 0°

OVERALL DEPTH OF SHEETING (INCLUDING LINING)

DISTANCE FROM S.O.P. TO VERTICAL LEG OF PURLIN (X)

(This is applicable when ventilators mounted 1st purlin down from S.O.P.)

IF ROOF CAVITY CLOSURE FLASHINGS ARE REQUIRED, PLEASE CONSULT THIS OFFICE

IF UNIT IS OPERABLE PLEASE INDICATE:-

HEIGHT TO EAVES

DISTANCE DOWN SLOPE FROM MOUNTING POSITION TO EAVES

Below is a sketch illustrating a typical roof detail. If the information requested cannot be transposed using the detail below, clients are requested to sketch the relevant information overleaf.

Units manufactured for fire release only, incorporate a release and reset testing facility. As this facility may be mounted on the internal or external surface of the unit, please indicate which alternative is applicable?

UNLESS SPECIFICALLY REQUESTED ALL
VENTS SUPPLIED WITH STANDARD 152mm
FLANGE TO SUIT 75mm SHEETING OVERSAIL

