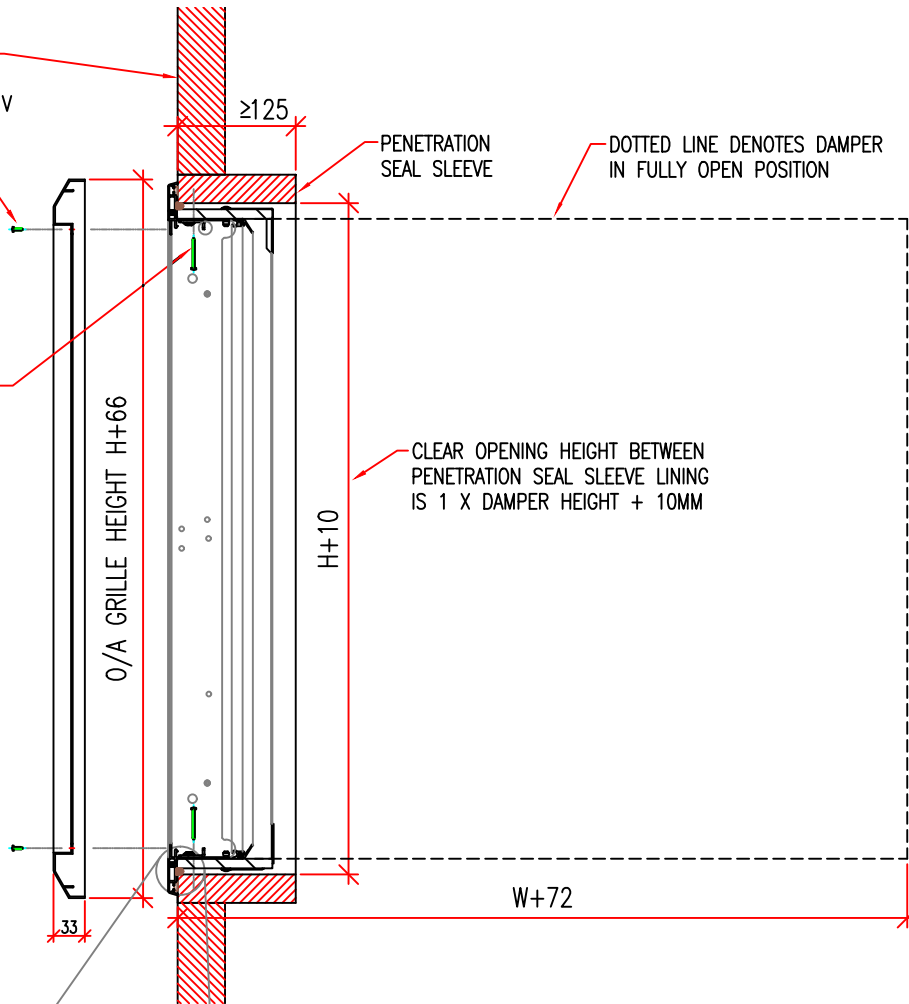


THIS INSTALLATION DETAIL IS FOR THE BENEFIT OF EXPERIENCED & SUITABLY TRAINED PERSONNEL. BASIC TECHNIQUES ARE NOT EXPLAINED.

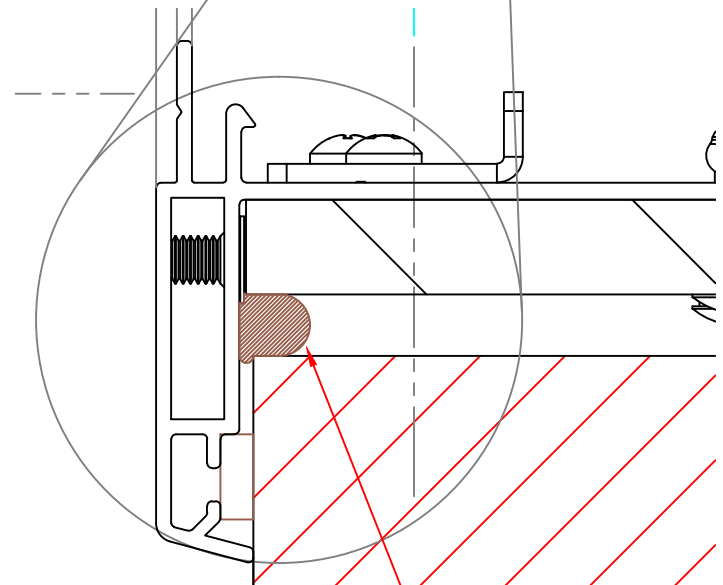
FOR TYPICAL CONSTRUCTION DETAILS SEE CURRENT ISSUE DRG No. FD_OPE_AVAN-KAM_1V

AVDA-NF GRILLE FIX TO DAMPER FLANGE WITH 3.5x9.5MM SELF-DRILL SELF-TAP PHILLIPS PAN HEAD SCREWS. GRILLE FRAME PRE DRILLED WITH 4 TO 8 PILOT HOLES, SUBJECT TO UNIT SIZE.

3.9mm HI-LOW THREADED DRYWALL SCREWS FIXED THROUGH DAMPER JAMB TO PENETRATION SEAL SLEEVE/COMPARTMENT STRUCTURE, LENGTH TO SUIT. POSITION 100mm FROM TOP & BOTTOM THEN EQUAL SPACE 300mm MAX CENTRES. CARE SHOULD BE TAKEN NOT TO OVER TIGHTEN SCREWS. FOR BEST RESULTS USING VARIABLE SPEED ELECTRIC SCREW DRIVER WITH TORQUE CONTROL.



SECTIONED SIDE ELEVATION



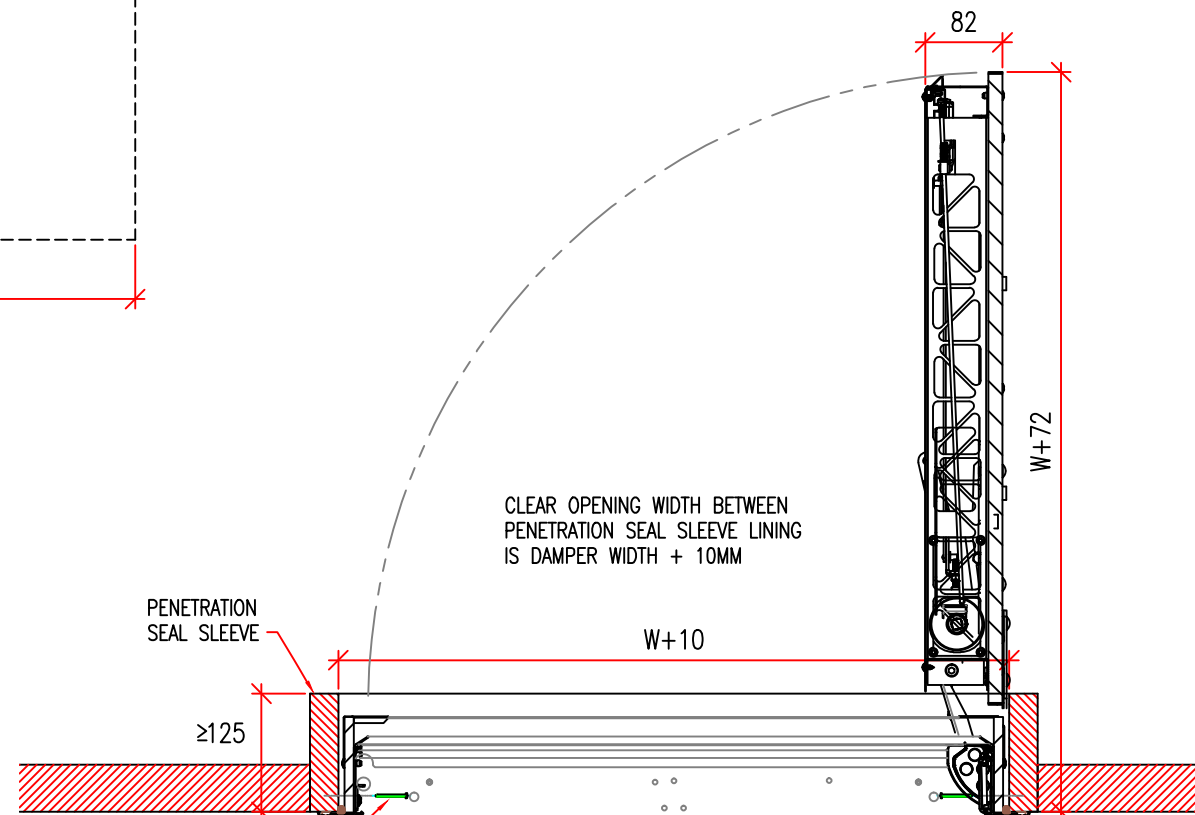
ENLARGED VIEW OF SECTION

FIRE STOPPING ACRYLIC MASTIC SITE APPLIED IN THE ANGLE OF THE DAMPER FRAME AND THE CORNER SURFACE OF THE OPENING TO PROVIDE A UNIFORM PERIMETER SEAL.

BEFORE ATTACHING THE FINISHING GRILLE CLEAR AWAY ALL DIRT DUST AND SWARF DEBRIS FROM THE UNIT PAYING PARTICULAR ATTENTION TO THE UNIT DOORS, REBATES AND MOVING PARTS. USE OF VACUUM CLEANER IS RECOMMENDED.

IF THE THICKNESS OF THE FIRE COMPARTMENT STRUCTURE IS LARGER THAN THE MINIMUM PENETRATING SEAL SLEEVE LENGTH SHOWN, THEN INCREASE SLEEVE LENGTH TO MATCH.

W = DAMPER MODULE WIDTH
H = DAMPER MODULE HEIGHT
ALL DIMENSIONS IN MILLIMETERS



SECTIONED PLAN VIEW

3.9mm HI-LOW THREADED DRYWALL SCREWS FIXED THROUGH DAMPER JAMB TO PENETRATION SEAL SLEEVE/COMPARTMENT STRUCTURE, LENGTH TO SUIT. POSITION 100mm FROM TOP & BOTTOM THEN EQUAL SPACE 300mm MAX CENTRES. CARE SHOULD BE TAKEN NOT TO OVER TIGHTEN SCREWS. FOR BEST RESULTS USE VARIABLE SPEED ELECTRIC SCREW DRIVER WITH TORQUE CONTROL.

AVDA-NF GRILLE FIX TO DAMPER FLANGE WITH 3.5x9.5MM SELF-DRILL SELF-TAP PHILLIPS PAN HEAD SCREWS. GRILLE FRAME PRE DRILLED WITH 4 TO 8 PILOT HOLES, SUBJECT TO UNIT SIZE.

INSTALLATION
The installation should only be carried out by suitably trained and qualified personnel. For further information refer to the current edition of the product installation and maintenance instructions.

Fitting Into Prepared Openings Into Builders Work Duct.
With the approved opening prepared the Damper section of the ventilator can be handled into position, from room side. There should be a gap in the region of 5mm all round between the opening and the spigot body of the damper section to allow the frame to be aligned, levelled and set squarely.

Set the unit into the opening, first opening the damper with the key provided, to allow access to the open throat area of the unit. The damper is required centralised within the opening. Achieve this with durable wedge packers top and bottom. Check that the head and sill profiles of the damper frame are level using a spirit level, adjusting the wedge packers as necessary. Check the diagonals. They must be the same. Drill through the jamb sections of the unit into the structure ensuring the frame remains aligned and square during this operation. Secure the frame to the opening by screwing to the structure. Always take particular care to ensure that the unit is not damaged prior to or during installation.

As a final check before fitting the finishing grille carry out an operational test by connecting a temporary 24v DC supply and drive the damper modules fully open and fully closed to make sure that they operate freely.

In the event there will be finishing trades such as plasterers, painters and decorators to follow the damper installation, we would recommend that the grille is not fitted until the decorations are complete and in the meantime temporary protection sheeting be attached to the damper frame to protect the units from these trade works. A pre-cut to size sheet of 2mm Protec is delivered with each damper module for this purpose.

Rev	Details	Date
R1	MINOR TEXT CHANGES & GRILLE SIZE CORRECTION	27.1.21
RO	THIS DRAWING WAS FORMERLY FD_AVAN1V_4_MP	21.1.21

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Title
TYPICAL INSTALLATION DETAIL FOR AVANTAGE MP DAMPER WITH AVDA-NF GRILLE SHOWING DIRECT FIX

Scale	NTS @ A3	Drawn by	GA	Checked by	CW
Date	12.11.2020	Internal Job No			

Drawing No
FD_AVAN-MP_1

Rev
R1