

DAMPER FITTED FROM ABOVE WITH
ACCESS SIDE ABOVE

Screw damper through the DCFX-F flange (welded to damper casing on the non-access side of the damper) to pick up in the shorter upper side of the MF6 section damper perimeter track with min. 25mm BG drywall screws at 150mm pitch.

Lay min. 25mm thick stone mineral wool insulation min. 100kg/m³ over top of MF5 track and glasroc boards

Cleats supplied loose

M10 drop rods supporting duct (all drop rods by others) M10 nuts & washers to underside of cleats only

Fix MF5 track to MF7 channel with 2 off, 13mm wafer head screws at each connection

MF7 primary support channel

MF6 track

13mm wafer head screw to attach MF6 damper aperture frame to the MF5 ceiling sections at 200mm centres. MF6 section orientated so the widest side is at the bottom, nearest the floor.

Two layers of Glasroc F FireCase 15mm board.

Screw damper through the DCFX-F flange (welded to damper casing on the non-access side of the damper) to pick up in the shorter upper side of the MF6 section damper perimeter track with min. 25mm BG drywall screws at 150mm pitch.

MF6 damper perimeter track lined with Glasroc F FireCase 15mm board 58mm wide screwed to MF6 damper perimeter track at 300mm centres with BG min. 25mm drywall screws.

Angle cleats riveted to duct

Steel duct (by others) fixed to damper spigot by means of steel rivets. Please note that this stub duct section constitutes part of the damper installation and therefore an appropriate breakaway joint should be positioned where the stub duct meets the connecting ductwork.

Damper spigot

No fire stopping between damper spigot and perimeter lining on the underside

15mm typical gap all round damper

Section C-C

Attach using suitable fire resisting steel fixing to suit supporting construction.

MF8 hanging strap

Actuator

Interface

Shroud

MF6 track

Insulation to butt up against the damper casing on all four sides.

40mm on actuator side

Section D-D

actionair

by Swegon

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Installation Detail

If your proposed installation details differ from that shown here, please discuss this with the authority having jurisdiction, referencing this documentation.

Deviation from this drawing requires approval of the relevant authority.

Connecting ductwork omitted for clarity. Ductwork must be independently supported. There must be an appropriate break-away joint between the damper and the connecting ductwork on both sides of the installation.

A minimum of 200mm between fire dampers installed in separate ducts and 75mm between fire damper and construction elements/edges needs to be observed unless otherwise specified in the drawing.



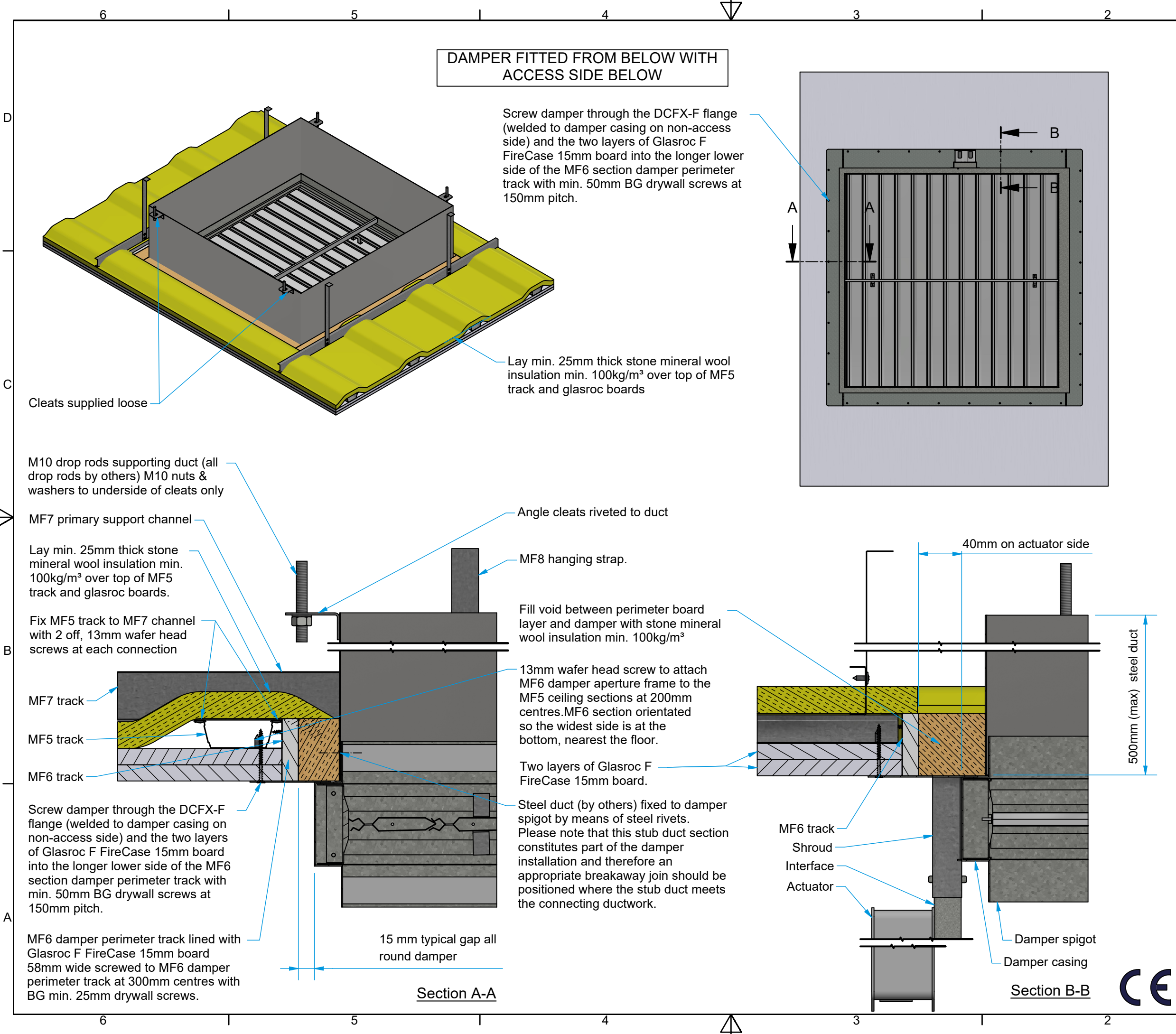
SCAN ME

Please refer to the DoP for latest classifications for CE/UKCA compliance and the Installation, Operation and Maintenance Guide

A	ECN2335	MJB	19-04-24
Rev:	Comments:	By:	Date:
Drawn By:	M. Bushell	Date:	11/01/2024
Checked By:	M. Kimberley	Date:	17/04/2024
Approved By:	S. Gore	Date:	17/04/2024

Description:
HORIZONTAL APPLICATION
SMOKE SHIELD DCFX-F IN A
BRITISH GYPSUM METAL
FRAMED CEILING
Damper Size Range (mm)
200 x 200 to 1000 x 1000

Reference No:	Sheet	Rev
AAF13551	1 of 3	A



DAMPER FITTED FROM BELOW WITH ACCESS SIDE BELOW

Screw damper through the DCFX-F flange (welded to damper casing on non-access side) and the two layers of Glasroc F FireCase 15mm board into the longer lower side of the MF6 section damper perimeter track with min. 50mm BG drywall screws at 150mm pitch.

Lay min. 25mm thick stone mineral wool insulation min. 100kg/m³ over top of MF5 track and glasroc boards

Cleats supplied loose

M10 drop rods supporting duct (all drop rods by others) M10 nuts & washers to underside of cleats only

MF7 primary support channel

Lay min. 25mm thick stone mineral wool insulation min. 100kg/m³ over top of MF5 track and glasroc boards.

Fix MF5 track to MF7 channel with 2 off, 13mm wafer head screws at each connection

MF7 track

MF5 track

MF6 track

Screw damper through the DCFX-F flange (welded to damper casing on non-access side) and the two layers of Glasroc F FireCase 15mm board into the longer lower side of the MF6 section damper perimeter track with min. 50mm BG drywall screws at 150mm pitch.

MF6 damper perimeter track lined with Glasroc F FireCase 15mm board 58mm wide screwed to MF6 damper perimeter track at 300mm centres with BG min. 25mm drywall screws.

15 mm typical gap all round damper

Section A-A

Angle cleats riveted to duct

MF8 hanging strap.

Fill void between perimeter board layer and damper with stone mineral wool insulation min. 100kg/m³

13mm wafer head screw to attach MF6 damper aperture frame to the MF5 ceiling sections at 200mm centres. MF6 section orientated so the widest side is at the bottom, nearest the floor.

Two layers of Glasroc F FireCase 15mm board.

Steel duct (by others) fixed to damper spigot by means of steel rivets. Please note that this stub duct section constitutes part of the damper installation and therefore an appropriate breakaway joint should be positioned where the stub duct meets the connecting ductwork.

MF6 track
Shroud
Interface
Actuator

Damper spigot
Damper casing

Section B-B

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A minimum of 200mm between fire dampers installed in separate ducts and 75mm between fire damper and construction elements/edges needs to be observed unless otherwise specified in the drawing.



SCAN ME

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Drawn By:	M. Bushell	Date:	11/01/2024
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Approved By:	S. Gore	Date:	17/04/2024

Description:
HORIZONTAL APPLICATION
SMOKE SHIELD DCFX-F IN A
BRITISH GYPSUM METAL
FRAMED CEILING
Damper Size Range (mm)
200 x 200 to 1000 x 1000

Reference No:	Sheet	Rev
AAF13551	2 of 3	A



CEILING CONSTRUCTION AS PER BRITISH GYPSUM GYPCEILING MF G106040 (EN)

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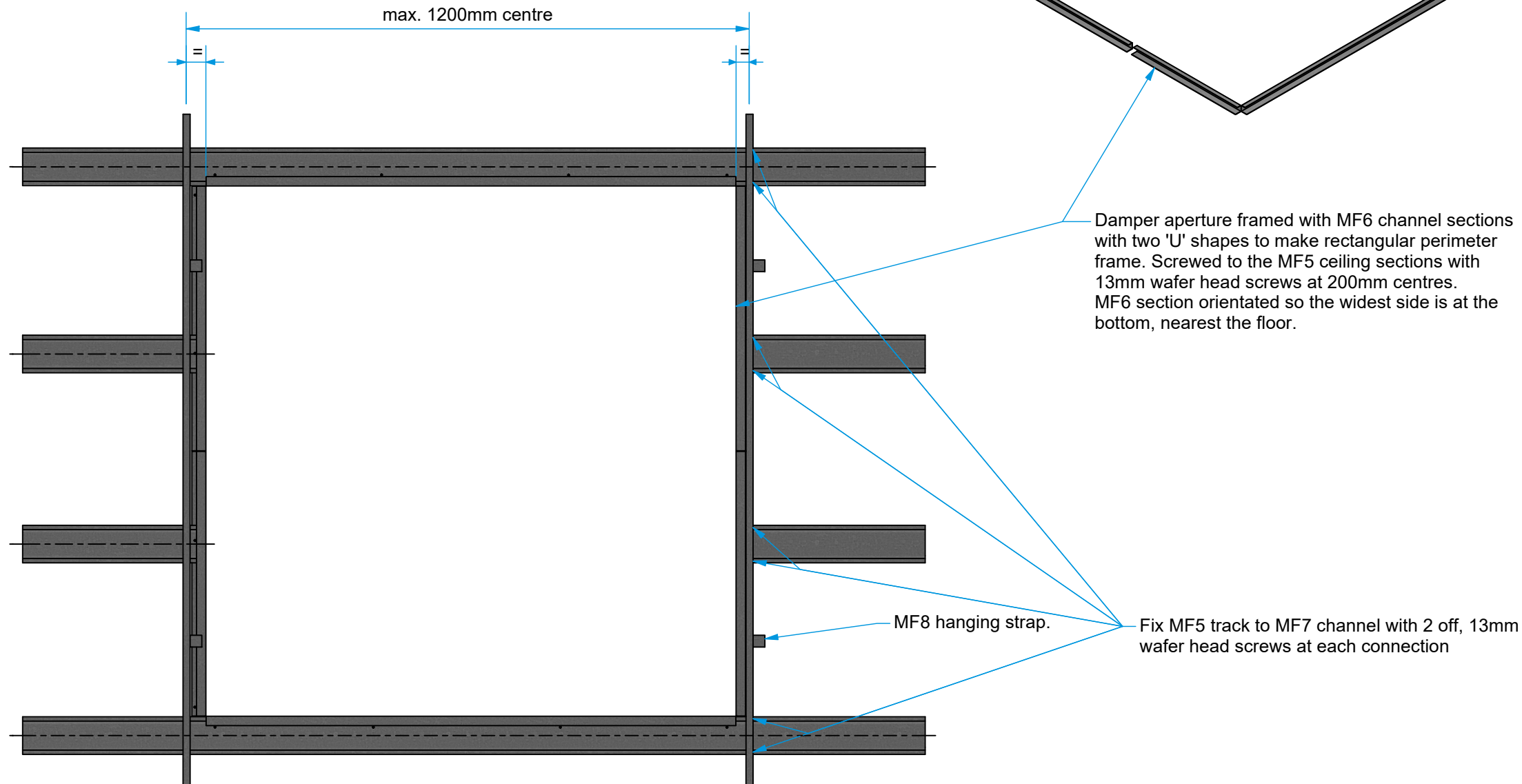
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Description:

HORIZONTAL APPLICATION
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BRITISH GYPSUM METAL
FRAMED CEILING

Damper Size Range (mm)
200 x 200 to 1000 x 1000

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AAF13551	3 of 3	A



View showing tracking layout viewed from above.
Typical for damper fitted from above and below.

