

Installation Detail

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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

B	ECN2308	MJB	16-11-23
A	ECN2278	MJB	14-12-22
Rev:	Comments:	By:	Date:
Drawn By:	M. Bushell	Date:	07/09/2022
Checked By:	S. Gore	Date:	16/11/2023
Approved By:	M. Kimberley	Date:	16/11/2023

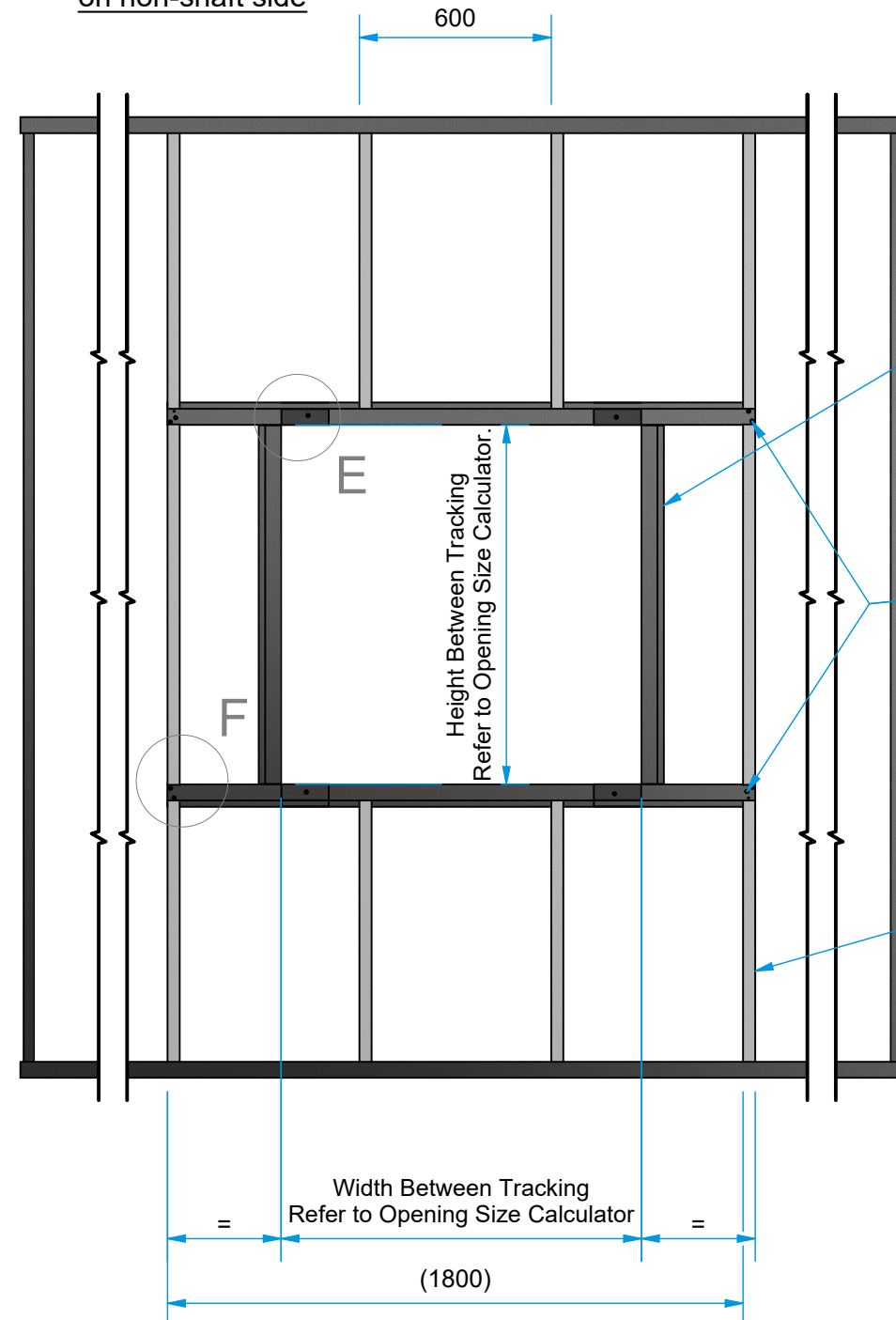
Description:
VERTICAL APPLICATION
SMOKE SHIELD DWFX-F IN A
BRITISH GYPSUM SHAFT WALL

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

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Tracking assembly viewed
on non-shaft side



Plasterboard on non-shaft side
staggered to cover joins of board
behind.

DWFX-F Flange (welded to damper
casing) fixed with min Ø 4mm drywall
screws at least 50mm long
(@ 150mm ctrs) into stud channel,
all round.

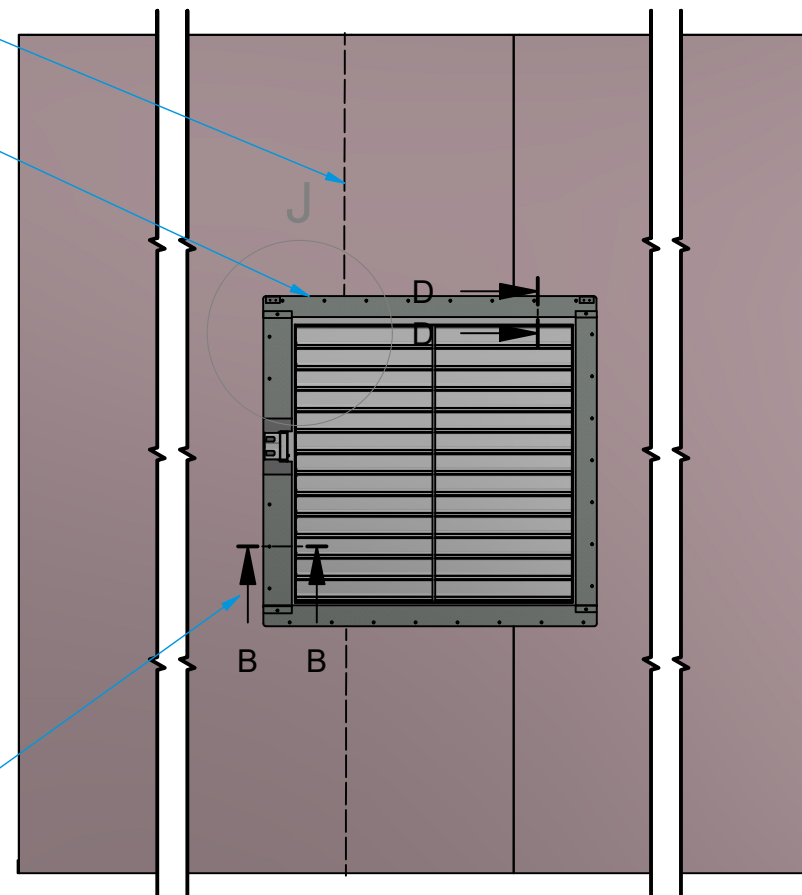
British Gypsum Gyproc J channel deep
flanges 62 JC 70 (or greater to suit wall
thickness) used either side of damper
with 70mm return shaft side. A folded
'ear' top and bottom bent inwards
towards the damper and screwed to the
adjacent horizontal tracks using 13mm
wafer head screws.

British Gypsum Gyproc J channel deep
flanges 62 JC 70 (or greater to suit wall
thickness) used above and below
damper with 70mm return shaft side.
Cut away and screwed to the I studs
using British Gypsum 13mm wafer
head screws.

Detail D, viewed on this corner.

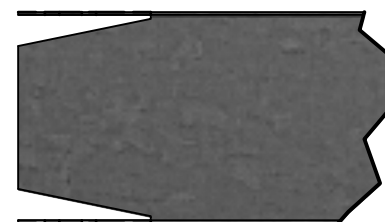
I Studs at maximum 600mm pitch with British Gypsum
Gyproc102 retaining channel (or greater to suit wall
thickness) to hold 19mm core board (friction fit).

Finished wall viewed on
non-shaft side

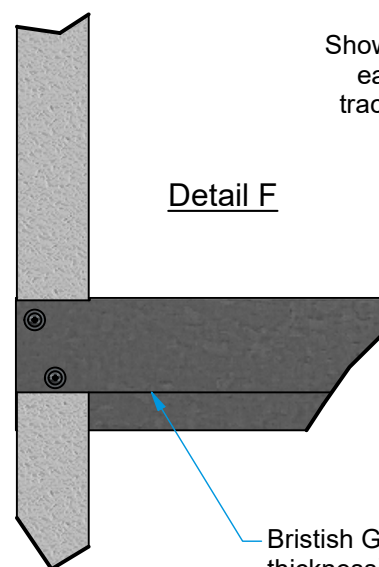


Detail H

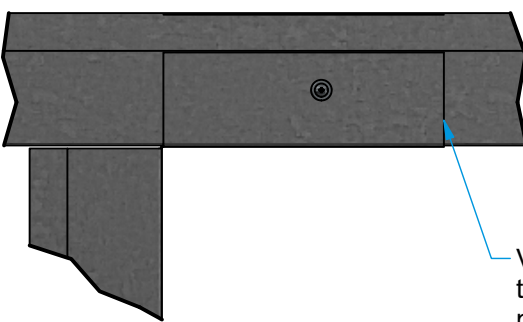
Showing 'tongue' cut into
each end of horizontal
tracks above and below
damper



Detail F



British Gypsum Gyproc J channel 62 JC 70 (or greater to suit wall
thickness) used above and below damper with 70mm return on the
shaft side. Cut away (see detail H) and screwed to the I studs using
13mm British Gypsum wafer head screws.



Detail E

Vertical 'J' channels cut 100mm extra each end with
the side sections cut to allow folding in to the
penetration area and overlapping horizontal 'J' channel,
held in place with a single British Gypsum 13mm
wafer head screw on the non-shaft side.

actionair
by Swegon

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www.swegon.com/uk

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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.



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Description:

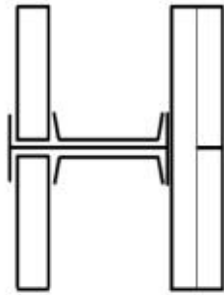
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SMOKE SHIELD DWFX-F IN A
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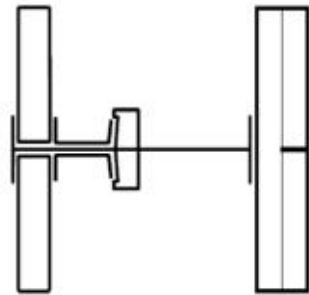
Applicable Applications

①



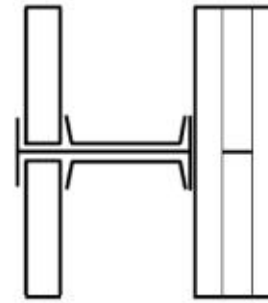
Gyprock 60, 70 or 92mm 'I' Stud framework with Gyproc CoreBoard between studs, secured by Gyprock Retaining Channel. 25mm Isover Acoustic Partition Roll (APR 1200) in cavity (optional). Lining boards to non-shaft side, see table. Studs at 600mm centres.

②



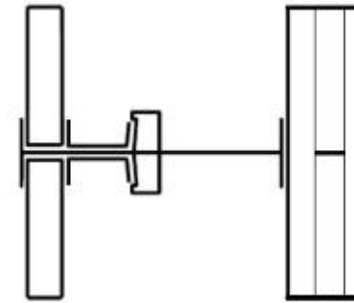
Gyprock 146 TI 90 Tabbed 'I' Stud framework with Gyproc CoreBoard between studs, secured by Gyprock Retaining Channel. 25mm Isover Acoustic Partition Roll (APR 1200) in cavity (optional). Lining boards to non-shaft side, see table. Studs at 600mm centres.

③



Gyprock 60, 70 or 92mm 'I' Stud framework with Gyproc CoreBoard between studs, secured by Gyprock Retaining Channel. 25mm Isover Acoustic Partition Roll (APR 1200) in cavity (optional). Lining boards to non-shaft side, see table. Studs at 600mm centres.

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Gyprock 146 TI 90 Tabbed 'I' Stud framework with Gyproc CoreBoard between studs, secured by Gyprock Retaining Channel. 25mm Isover Acoustic Partition Roll (APR 1200) in cavity (optional). Lining boards to non-shaft side, see table. Studs at 600mm centres.

60 Minute wall options				BG System reference	
Wall Thickness mm	Lining boards to non shaft side	Stud Size mm	Insulation	No Insulation	With Insulation
87	2 x12.5	60	Optional	A306002	A306012
97	2 x12.5	70	Optional	A306002	A306012
119	2 x12.5	92	Optional	A306005	A306014
173	2 x12.5	146	Optional	A306008	A306020

90 Minute wall options				BG System reference	
Wall Thickness mm	Lining boards to non shaft side	Stud Size mm	Insulation	No Insulation	With Insulation
92	2 x15	60	Optional	A306003	A306023
102	2 x15	70	Optional	A306003	A306023
124	2 x15	92	Optional	A306006	A306025
178	2 x15	146	Optional	A306009	A306028

120 Minute wall options				BG System reference	
Wall Thickness mm	Lining boards to non shaft side	Stud Size mm	Insulation	No Insulation	With Insulation
107	3 x15	60	Optional	A306030	A306035
117	3 x15	70	Optional	A306030	A306035
139	3 x15	92	Optional	A306031	A306036
193	3 x15	146	Optional	A306032	A306033

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