

K-Roc™ Firemaster Wall Panel (Non-Firewall)

K-Roc™ Firemaster Wall Panel - Vertically Laid - Drawing Register				
DWG_NO	DWG_TITLE	REV	UPDATED BY	CHECKED BY
K-FM V 00a	Sheet List	C	HL	JS
K-FM V 00b	Typical Warehouse layout	C	HL	JS
K-FM V 01a	Panel Profile	C	HL	JS
K-FM V 02a	Vertical joints	C	HL	JS
K-FM V 03a	Base Detail	C	HL	JS
K-FM V 03b	Base Detail - Continued	C	HL	JS
K-FM V 04a	Base Detail on Kerb	C	HL	JS
K-FM V 05a	Base Detail within concrete	C	HL	JS
K-FM V 06a	Vertical corner	C	HL	JS
K-FM V 06b	Vertical corner- Alternative	C	HL	JS
K-FM V 06c	Vertical internal corner	C	HL	JS
K-FM V 07a	Abutment to masonry wall	C	HL	JS
K-FM V 07b	Abutment to masonry wall - Continued	C	HL	JS
K-FM V 08a	Primary fastener location and stack Joint	C	HL	JS
K-FM V 08b	Intermediate support	C	HL	JS
K-FM V 09a	Deflection head detail	C	HL	JS
K-FM V 09b	Deflection head detail - Continued	C	HL	JS
K-FM V 10a	Personnel door details (Head and Jamb)	A	HL	JS
K-FM V 10b	Penetration details	A	HL	JS
K-FM V 11a	Checker Plate	C	HL	JS

When panel is being used as a firewall, refer to specific fire details for Ultima and Ultima Plus FRL/FRR

Dwg. Title	Sheet List	Scale	
		NTS	
Application		Dwg. No.	Rev.
K-Roc™ Firemaster Wall Panel - Vertically Laid		K-FM V 00a	C

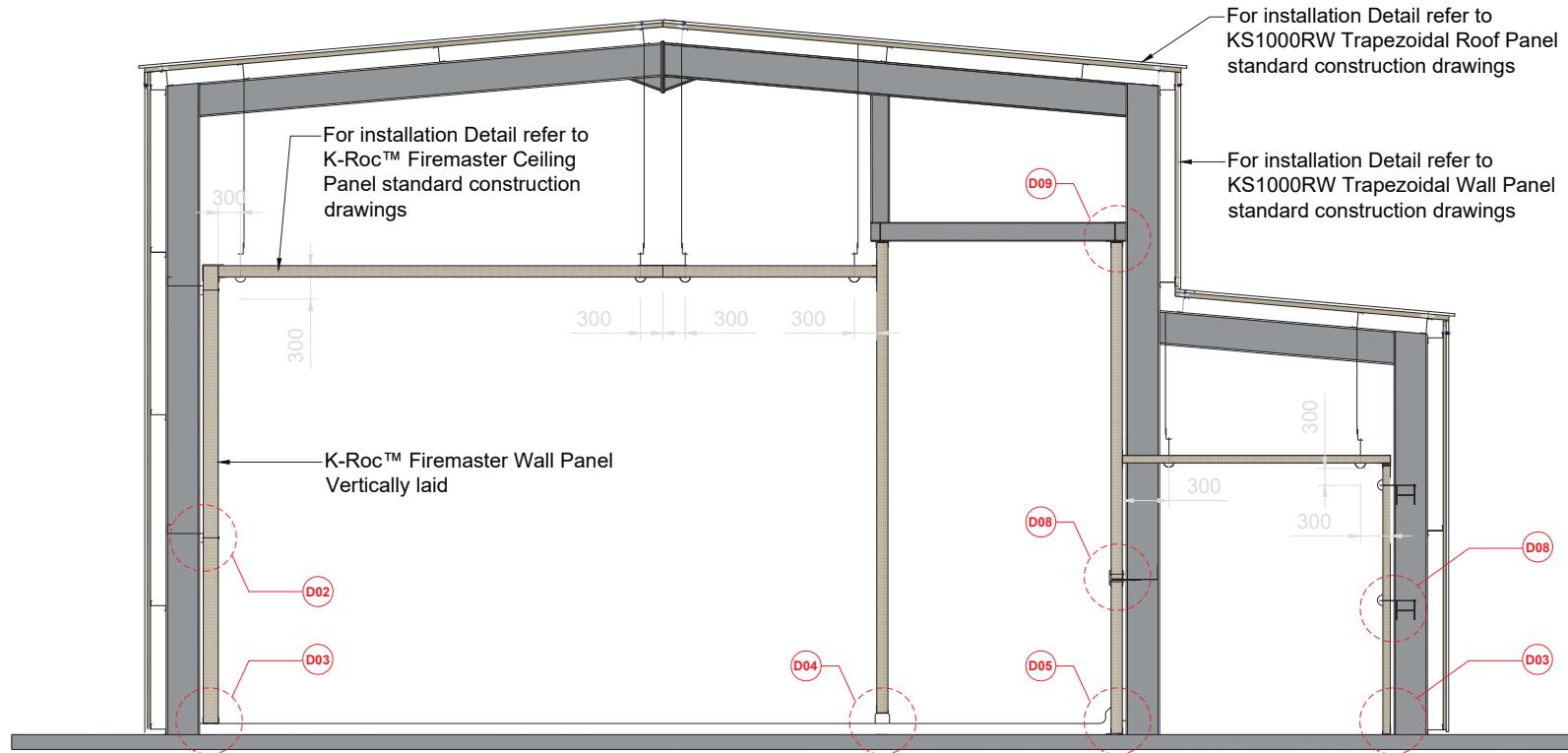
Aug. 20, 25

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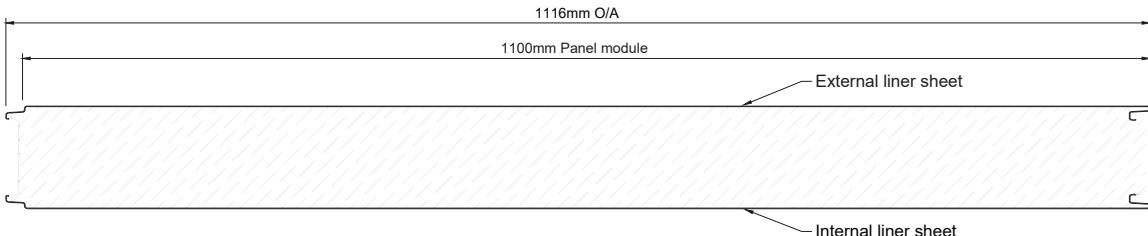
K-Roc™ Firemaster Wall Panel (Non-Firewall)



*For illustration purposes only

Dwg. Title		Scale	
Typical Warehouse layout		NTS	
Application	Dwg. No.	Rev.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 00b	C	<p>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan. www.kingspanpanels.com.nz</p>

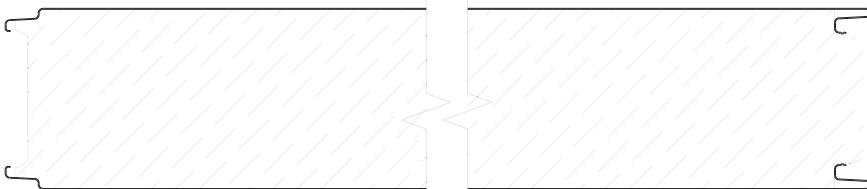
K-Roc™ Firemaster Wall Panel (Non-Firewall)



CORE THICKNESS (MM)	75	100	120	150	175	200
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External liner sheet

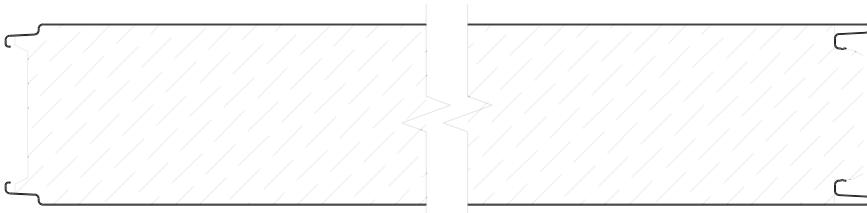
FLAT



NOTES:

- Applications with specific Fire Resistance Level (FRL) and Fire Resistance Rate (FRR) requirements need to be consulted with KIP Technical Services. The attached are not the approved fire wall details.
- Core thickness dimensions are nominal, actual dimensions will vary due to manufacturing tolerances. Exact dimensions must always be measured from actual samples. All dimensions in millimetres.
- Where Kingspan elements interface with other products the designer should consider the vapour control layers, thermal bridging, continuous insulation, and any dissimilar materials either in contact with or where water can run from or to each other. Kingspan accepts no responsibility for the performance of products that are not manufactured or supplied by Kingspan.
- The number of fixings shown on any detail is an indication only, the actual number required is project specific and need to be calculated based on project specific conditions.
- All structural supports shown are 'not by Kingspan'. They are shown for clarification and illustrative purposes only.
- Cold rolled steel sections are typically shown on these details however hot rolled or timber can be substituted.
- The location of the vapour barrier and associated sealants in these details are for typical "ambient/benign environment" installations.
- The information provided is for information and illustrative purposes only and is intended to be used as an aid for projects intending to use Kingspan products. Kingspan cannot guarantee the accuracy of the information provided or that information that has been supplied by third parties is up to date and accurate. All information provided must be checked and approved by a suitably qualified person before it is relied upon and/or incorporated into any construction project. Kingspan accepts no liability for any losses, damage and/or causes, whatsoever and of any nature, that may arise by relying upon any of the information provided, or by any omissions or errors that may occur. You bear sole responsibility for the accuracy of any information relied upon. Any and all information concern is solely for the use of Kingspan products.

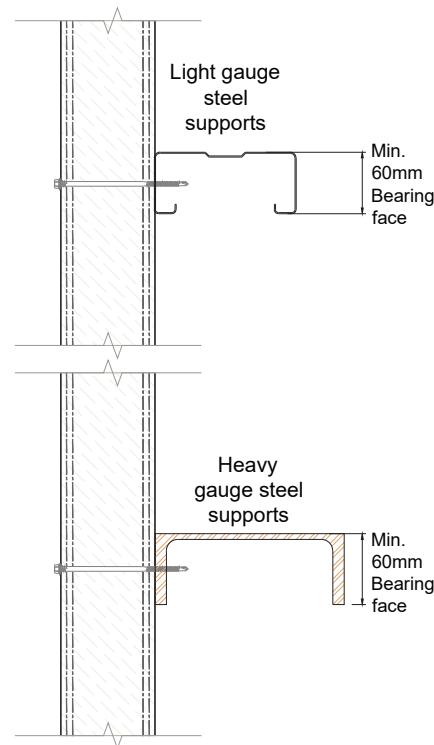
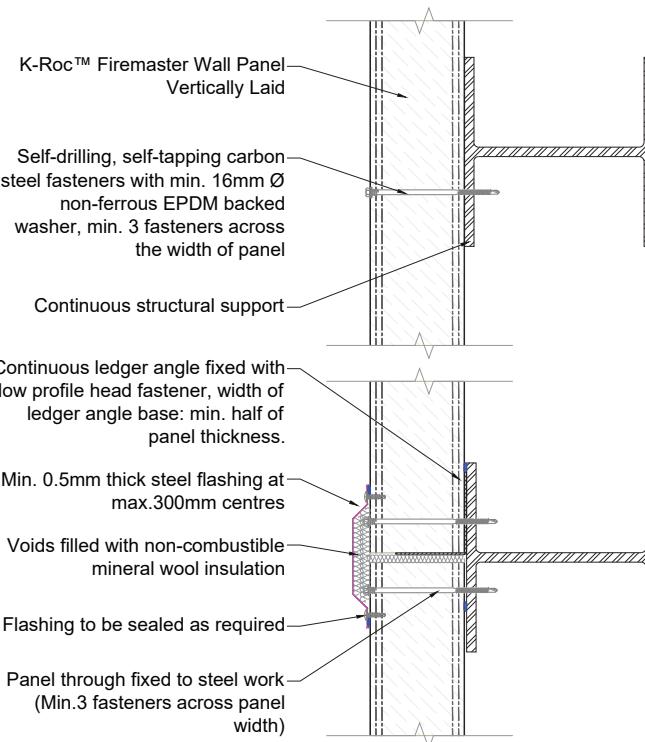
Internal liner sheet



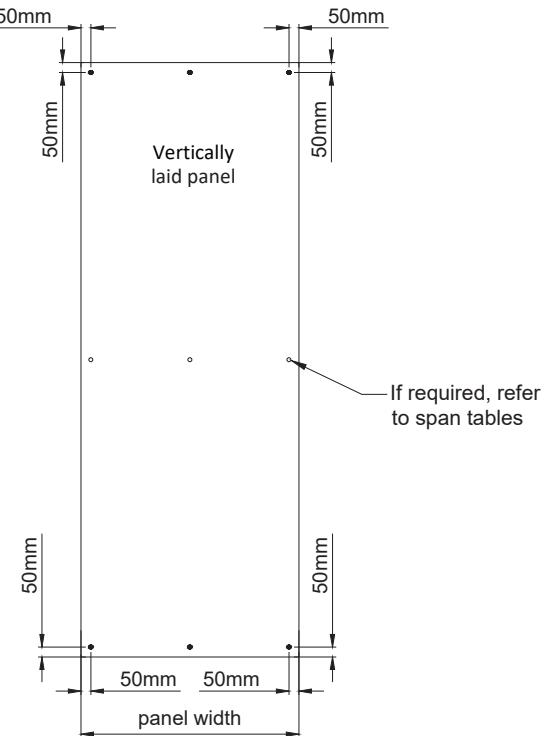
FLAT

Dwg. Title		Scale	
Panel Profile		NTS	
Application	Dwg. No.	Rev.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 01a	C	<i>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan.</i> www.kingspanpanels.com.nz

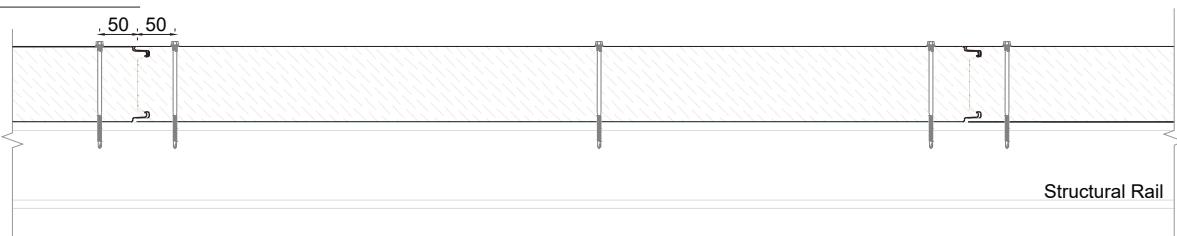
K-Roc™ Firemaster Wall Panel (Non-Firewall)



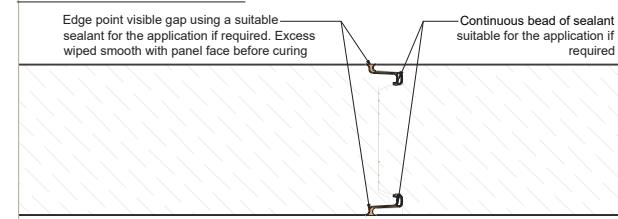
Primary fastener locations



Plan section



Vertical panel joint



Dwg. Title

Vertical joints

Application

K-Roc™ Firemaster Wall Panel - Vertically Laid

Scale

NTS

Dwg. No.

K-FM V 02a

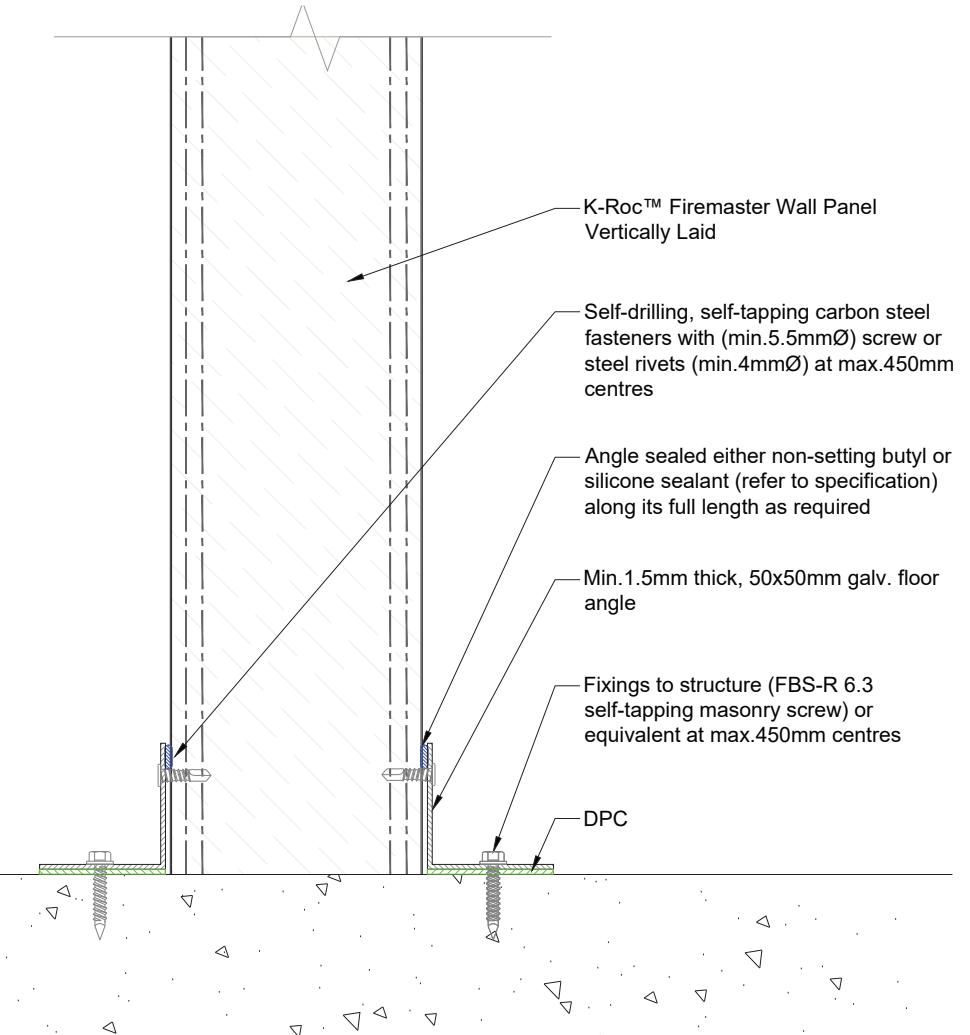
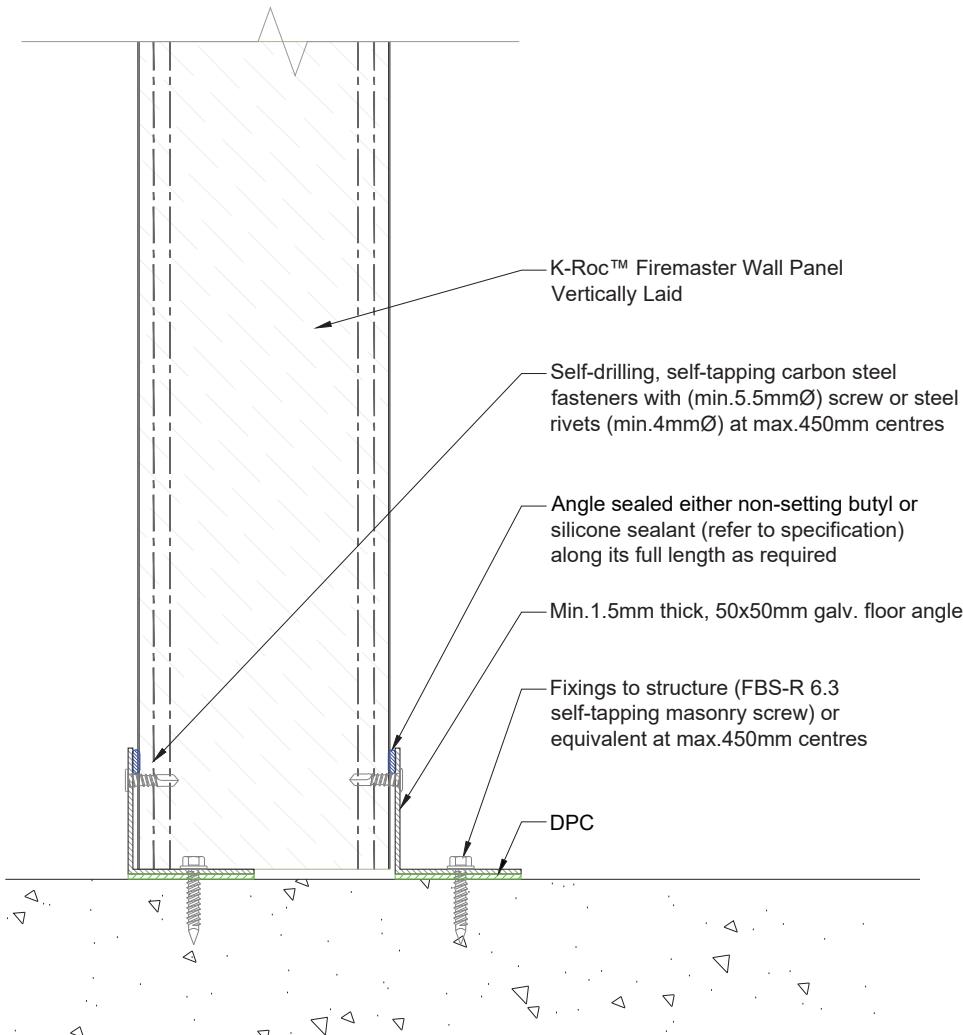
Rev.

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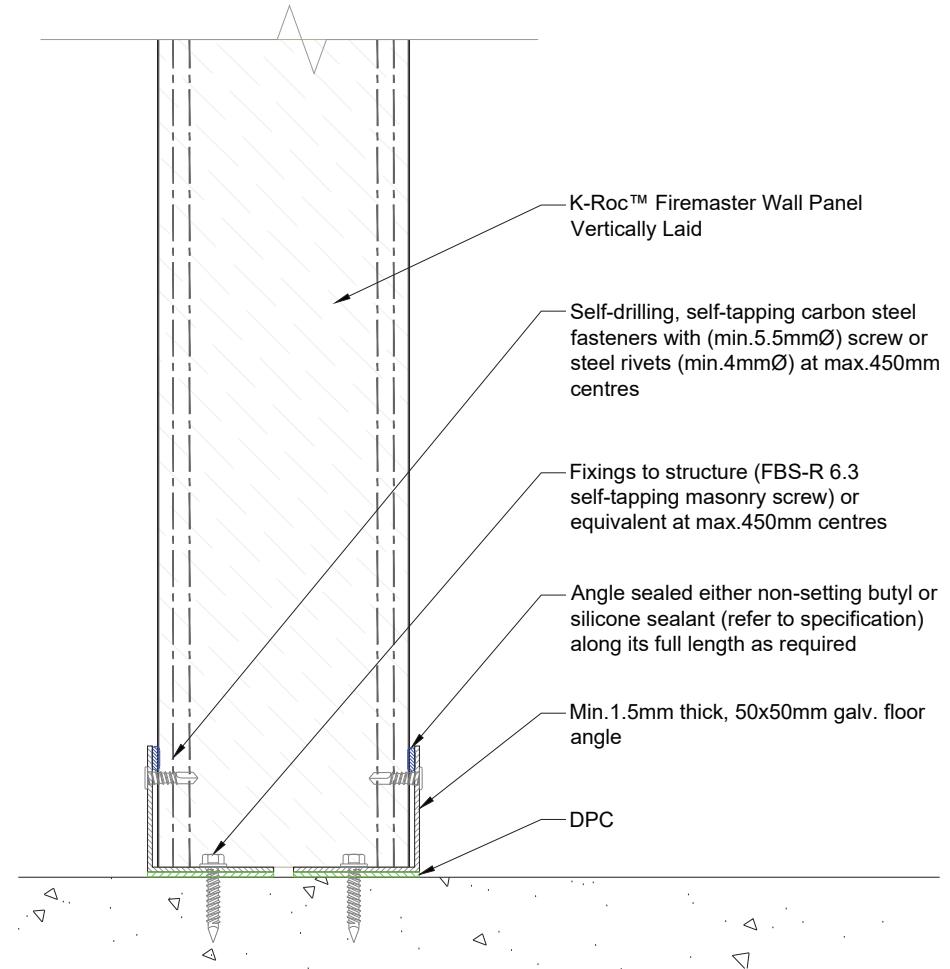
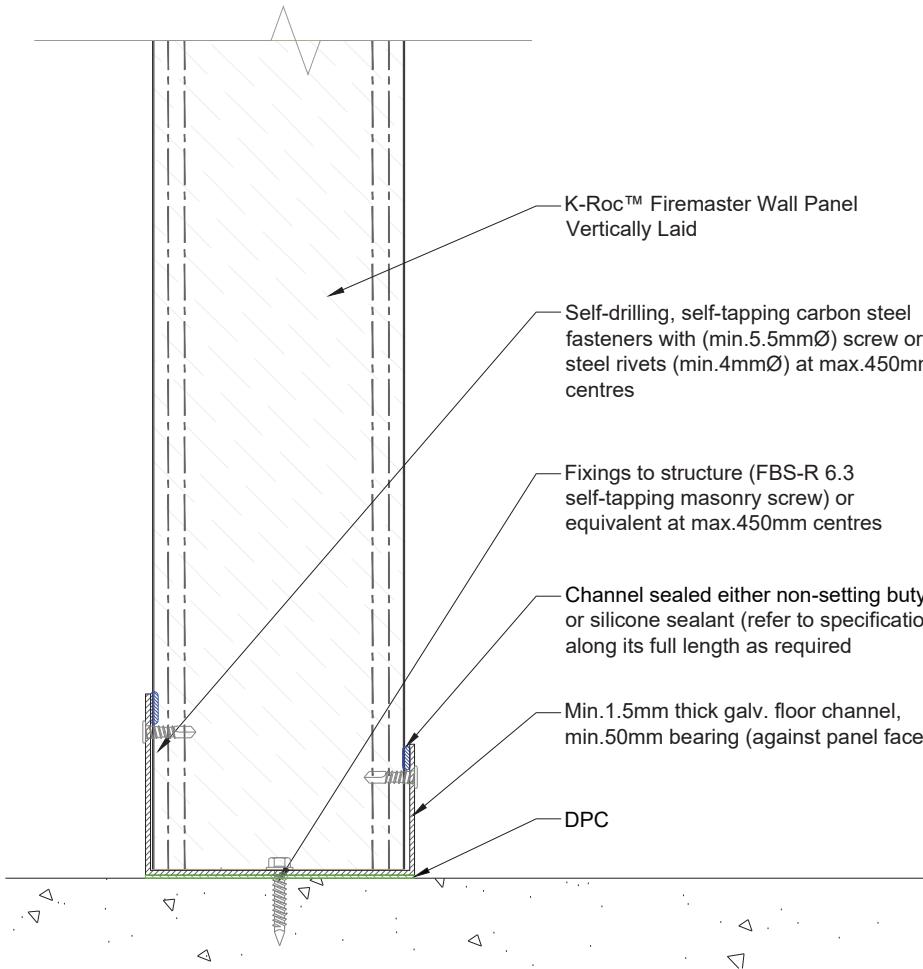
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Dwg. Title		Scale	
Base Detail		NTS	
Application	Dwg. No.	Rev.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 03a	C	<p>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan.</p> <p>www.kingspanpanels.com.nz</p>

K-Roc™ Firemaster Wall Panel (Non-Firewall)



Dwg. Title

Base Detail - Continued

Application

K-Roc™ Firemaster Wall Panel - Vertically Laid

Scale

NTS

Dwg. No.

K-FM V 03b

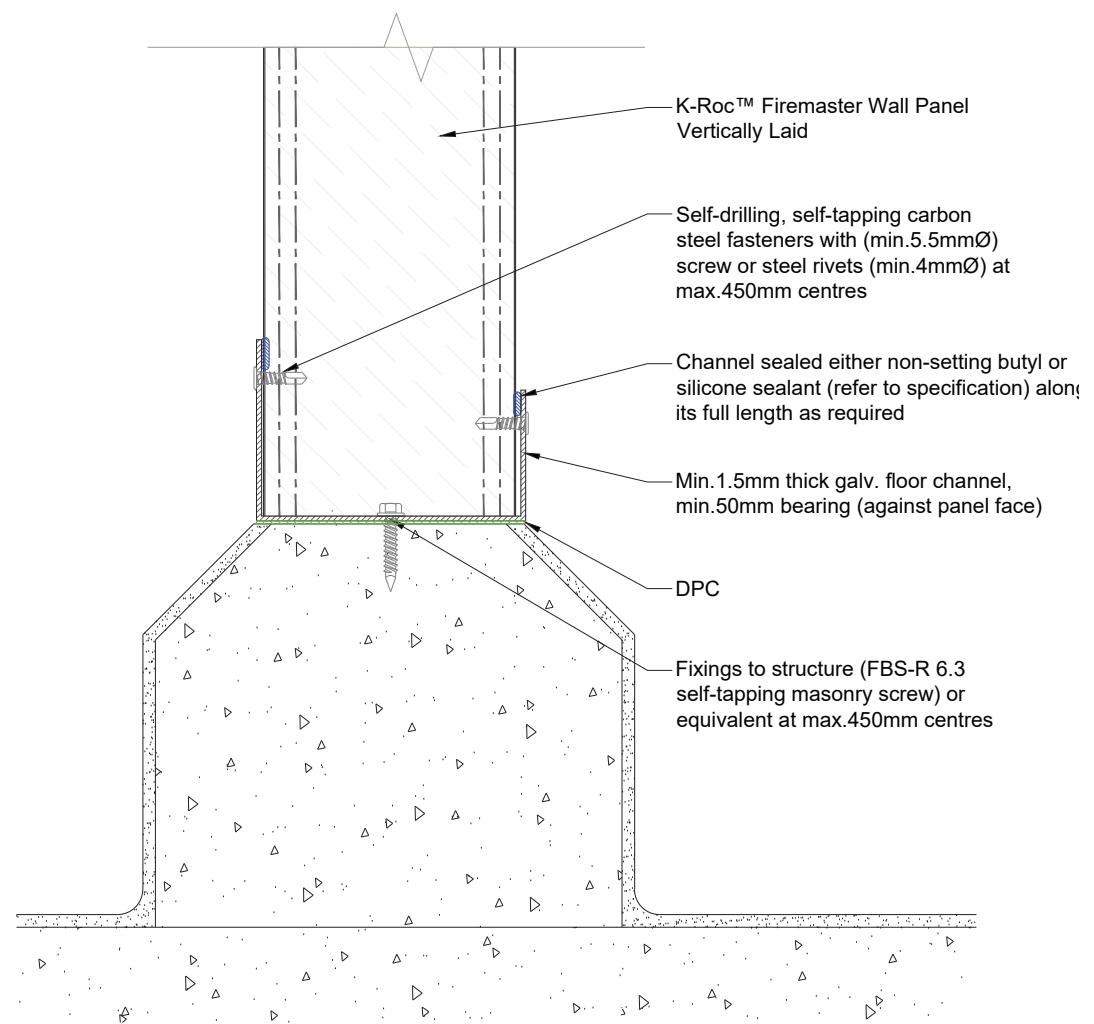
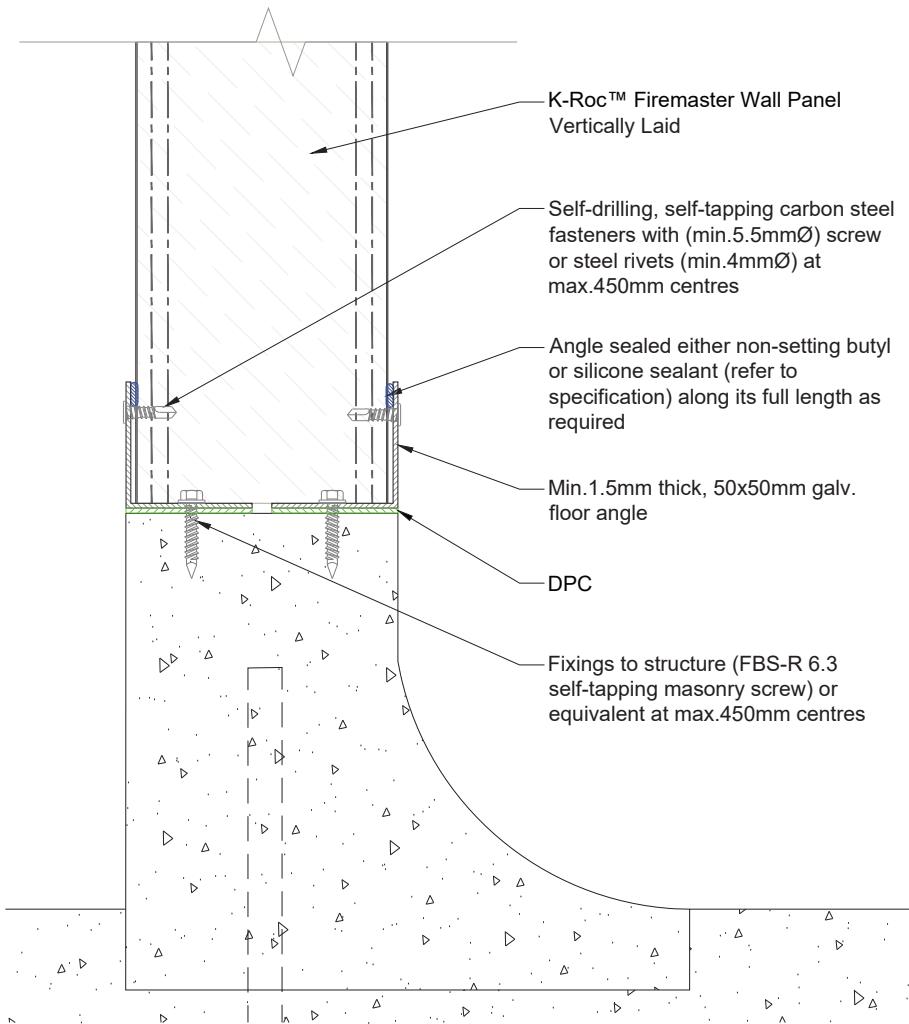
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K-Roc™ Firemaster Wall Panel (Non-Firewall)



Dwg. Title

Base Detail on Kerb

Application

K-Roc™ Firemaster Wall Panel - Vertically Laid

Scale

NTS

Dwg. No.

K-FM V 04a

Rev.

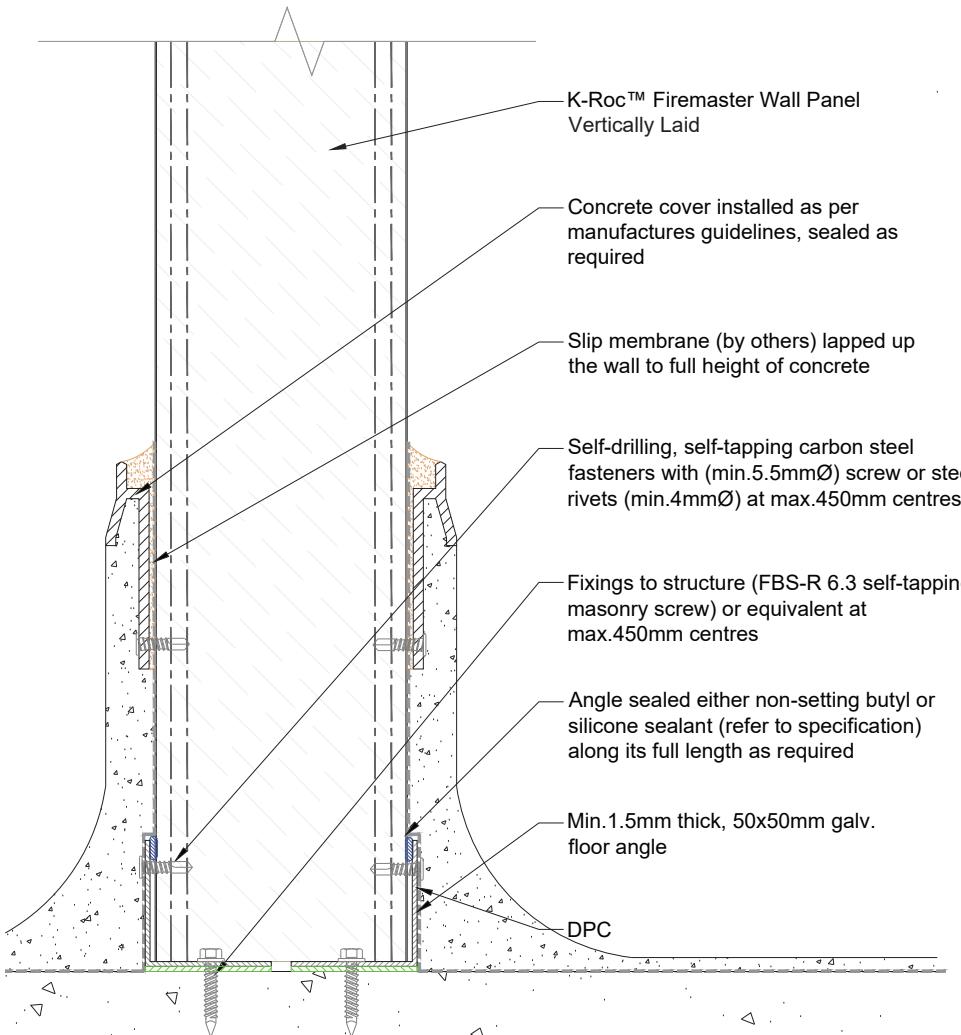
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Kingspan.

K-Roc™ Firemaster Wall Panel (Non-Firewall)



Dwg. Title

Base Detail within concrete

Application

K-Roc™ Firemaster Wall Panel - Vertically Laid

Scale

NTS

Dwg. No.

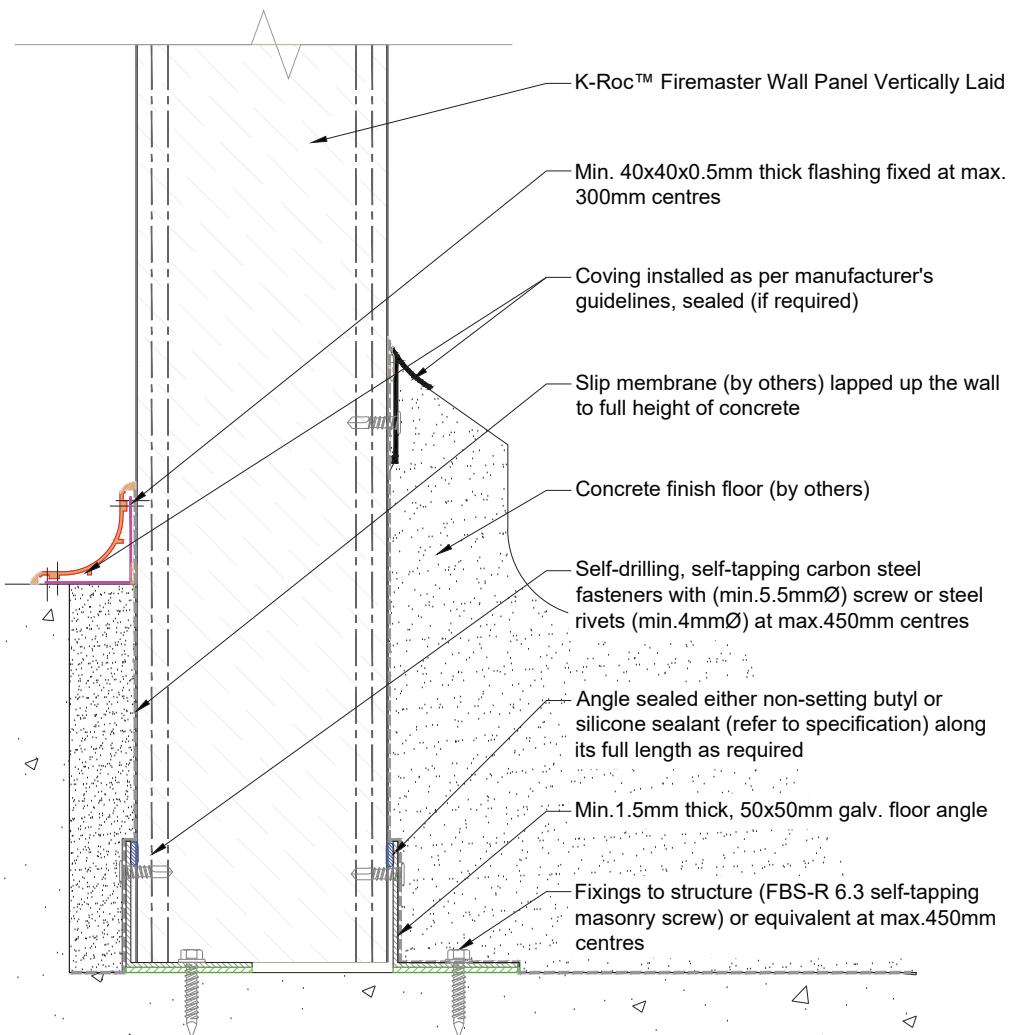
K-FM V 05a

Rev.

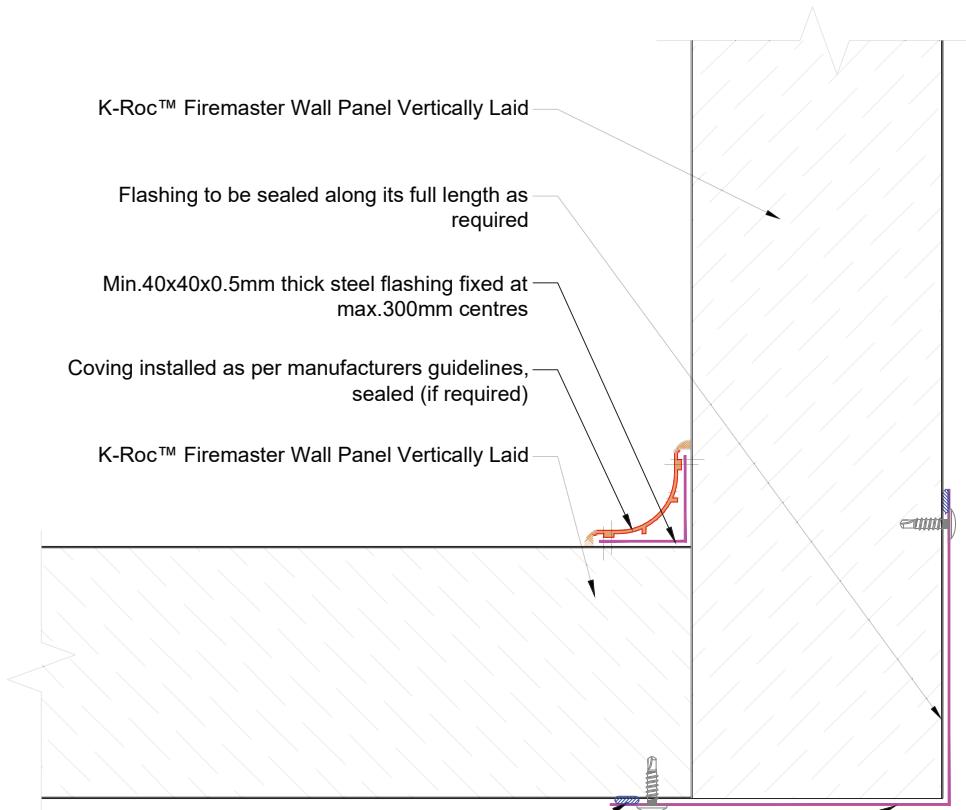
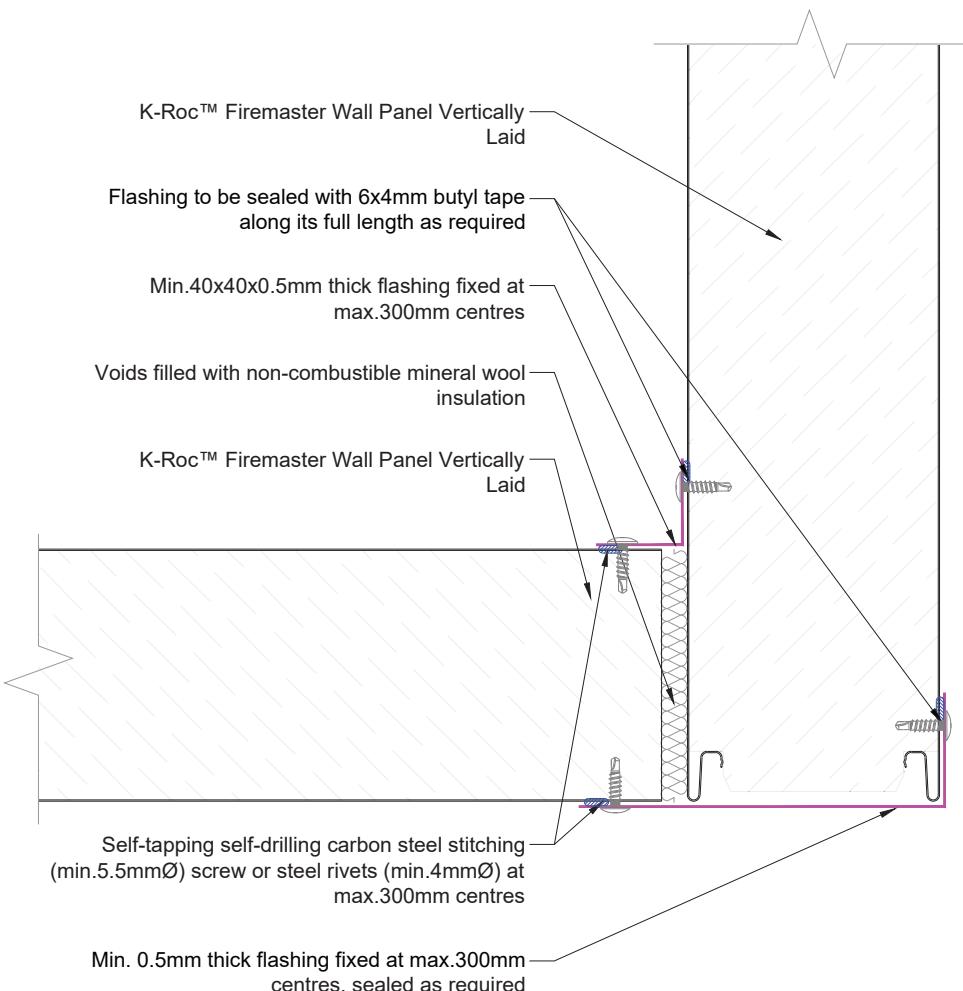
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K-Roc™ Firemaster Wall Panel (Non-Firewall)



Dwg. Title

Vertical corner

Application

K-Roc™ Firemaster Wall Panel - Vertically Laid

Scale

NTS

Dwg. No.

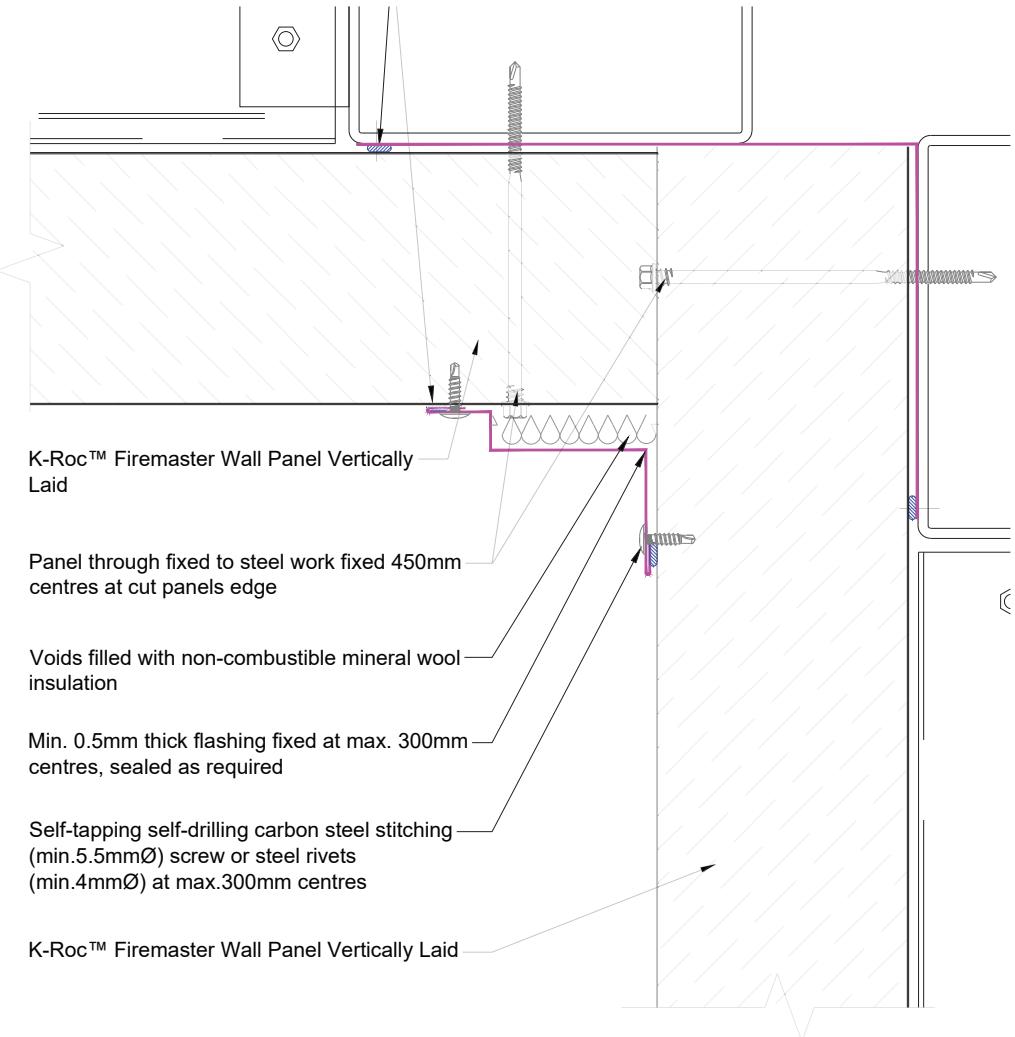
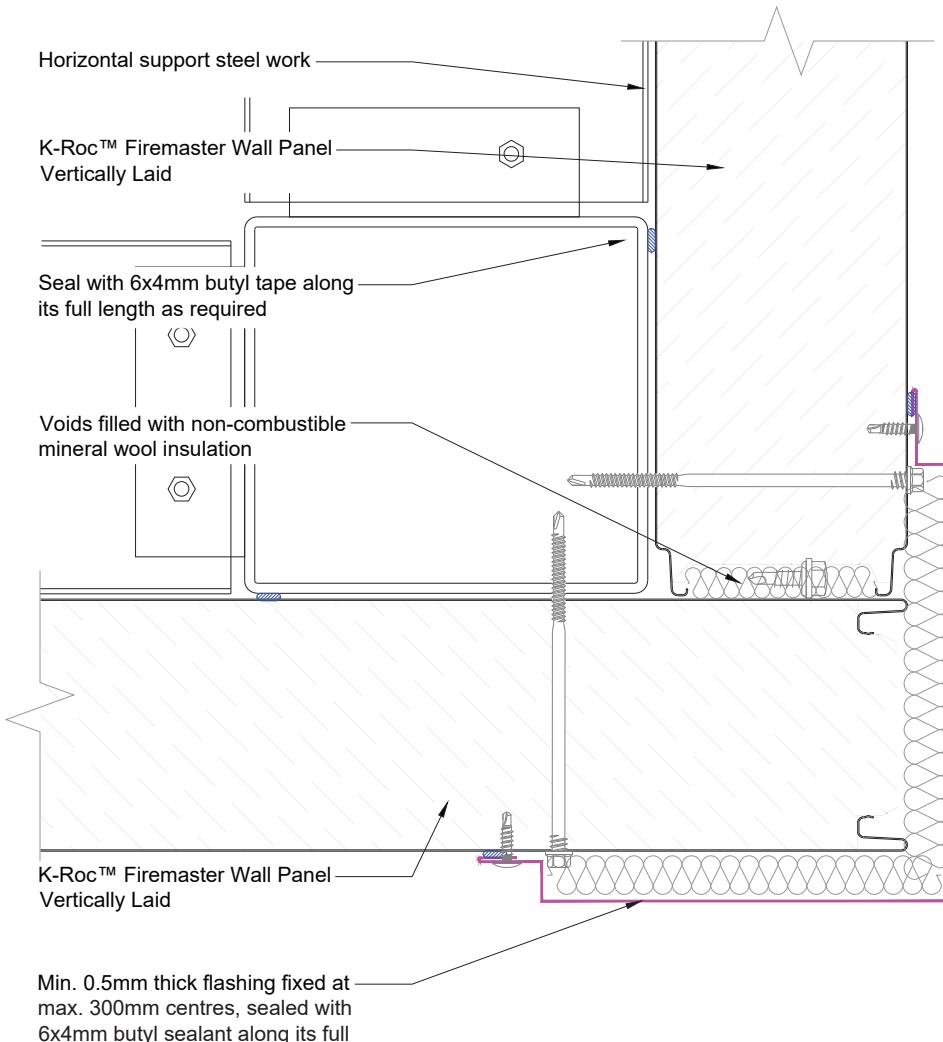
K-FM V 06a C

Rev.

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K-Roc™ Firemaster Wall Panel (Non-Firewall)



*Alternative corner solution when required

Dwg. Title

Vertical corner- Alternative

Application

K-Roc™ Firemaster Wall Panel - Vertically Laid

Scale

NTS

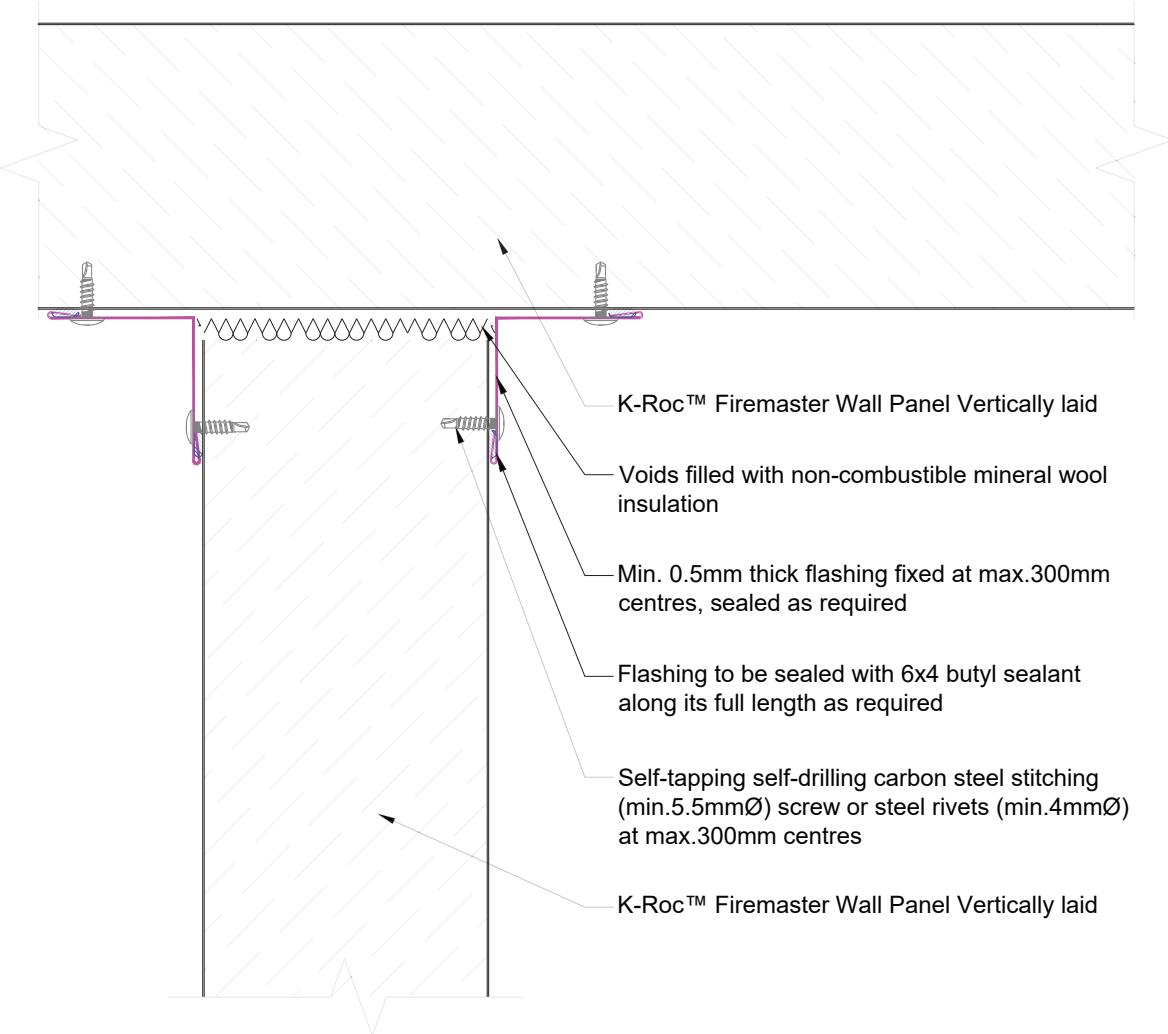
Dwg. No.

K-FM V 06b C

Rev.

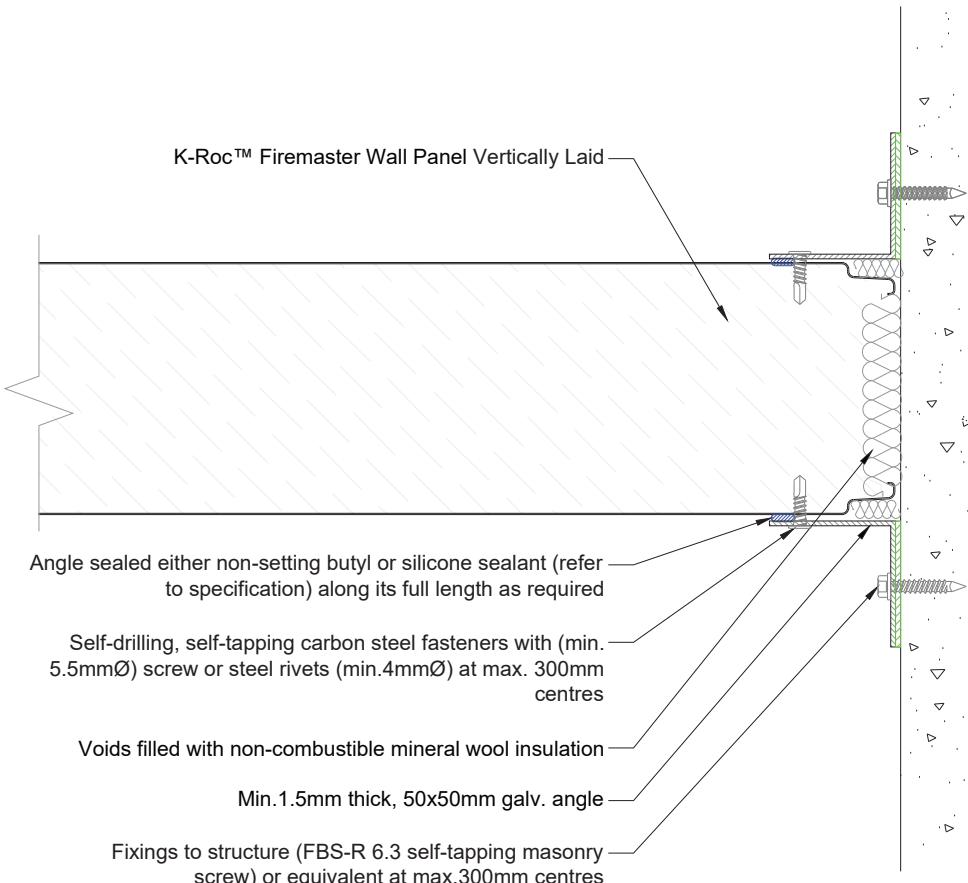
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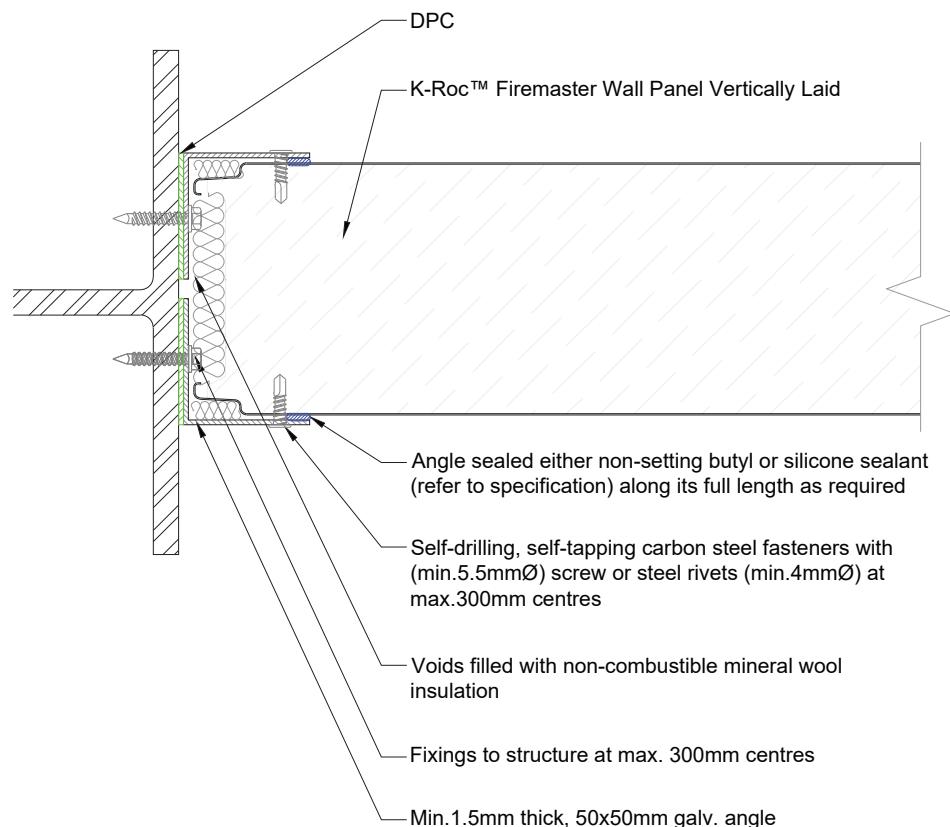
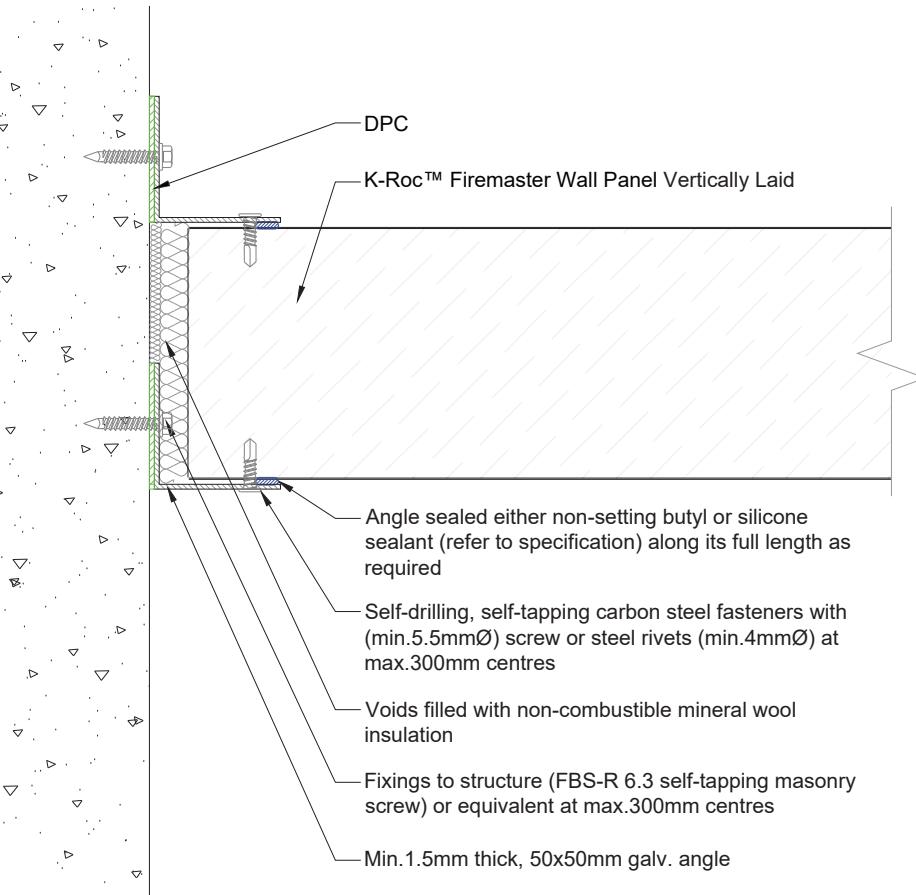
Dwg. Title		Scale	
Vertical internal corner		NTS	
Application	Dwg. No.	Rev.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 06c	C	<p>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan. www.kingspanpanels.com.nz</p> <p>Kingspan.</p>

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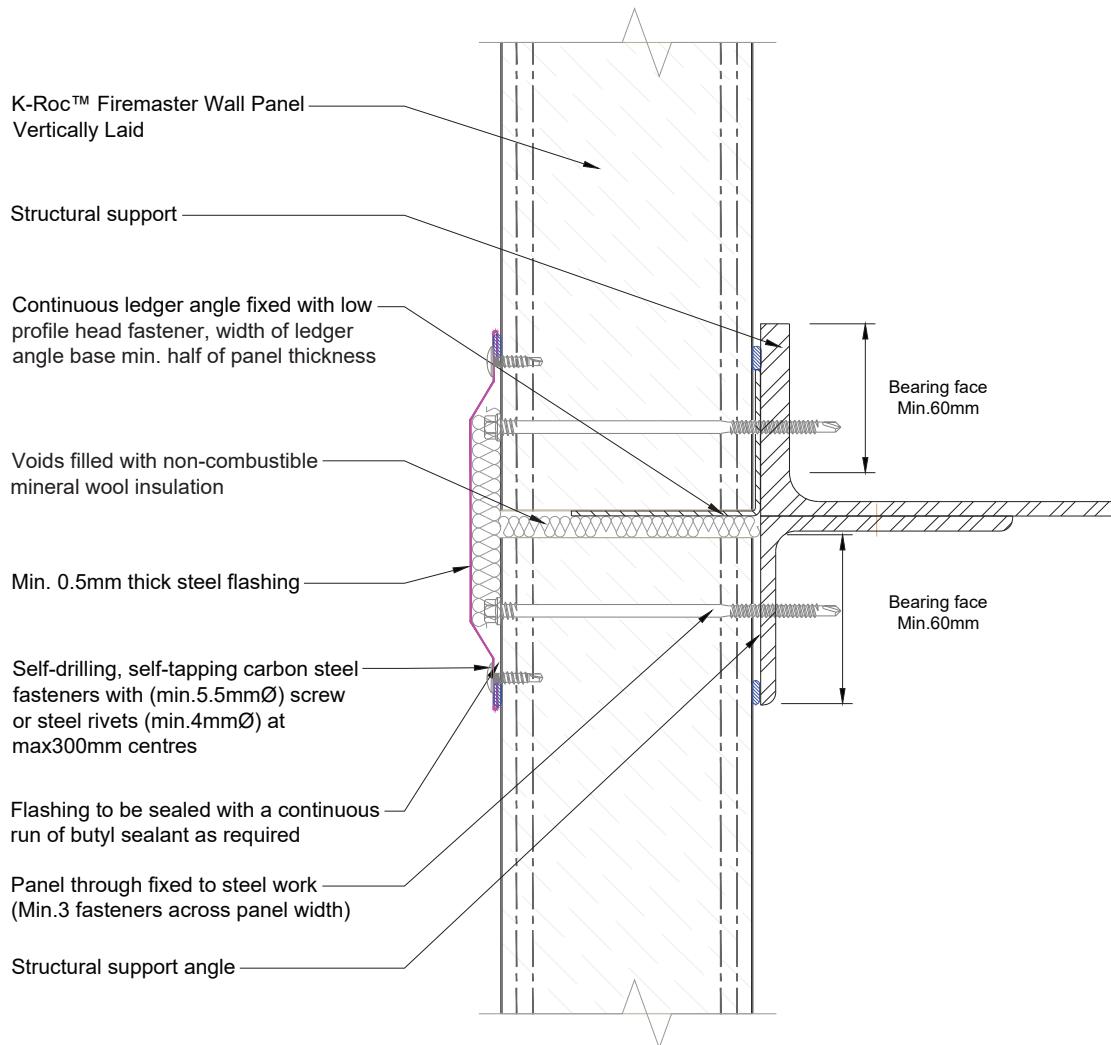
Dwg. Title		Scale	
Abutment to masonry wall		NTS	
Application	Dwg. No.	Rev.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 07a	C	<p>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan.</p> <p>www.kingspanpanels.com.nz</p>

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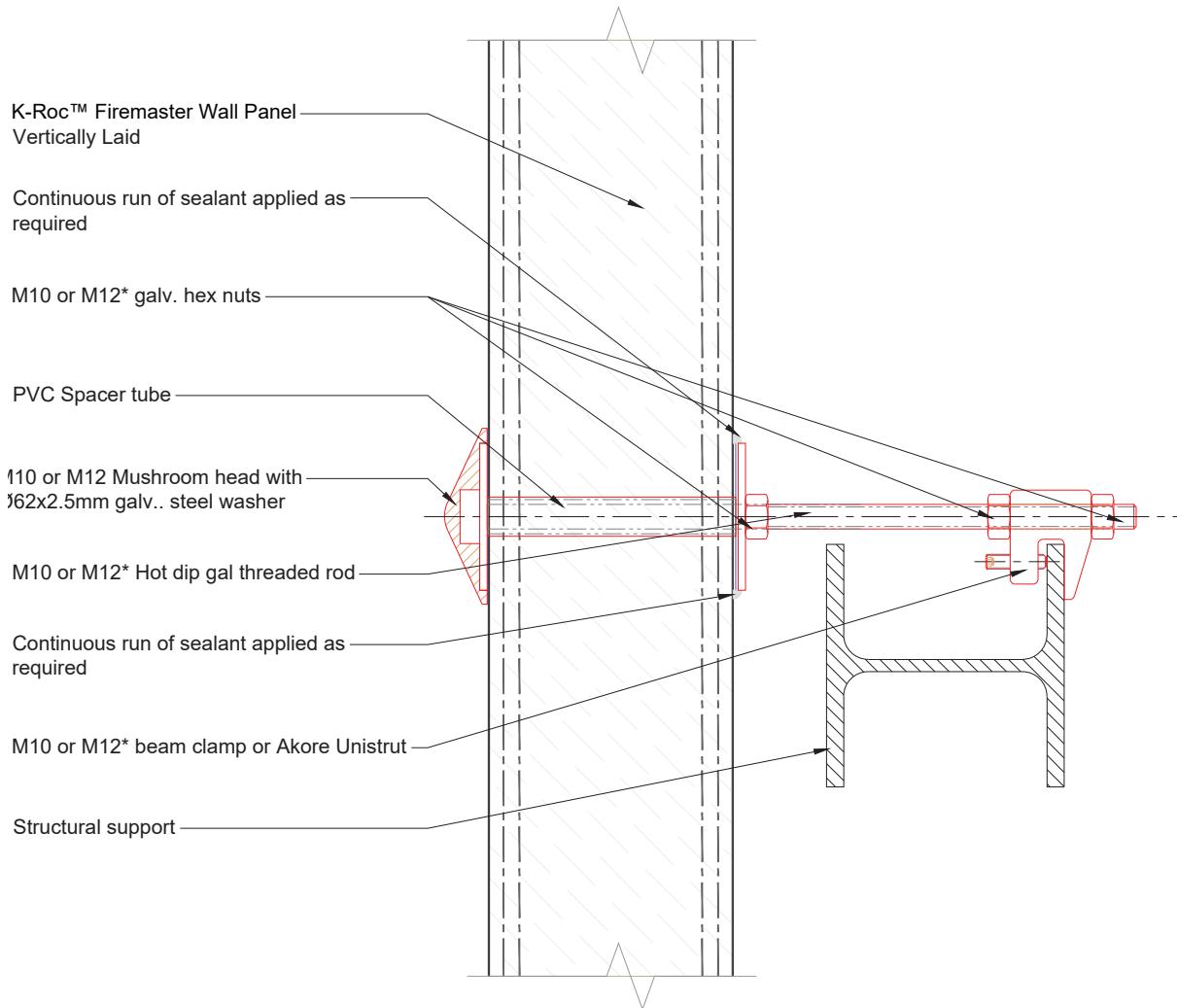
Dwg. Title		Scale	
Abutment to masonry wall - Continued		NTS	
Application	Dwg. No.	Rev.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 07b	C	<p>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan.</p> <p>www.kingspanpanels.com.nz</p>

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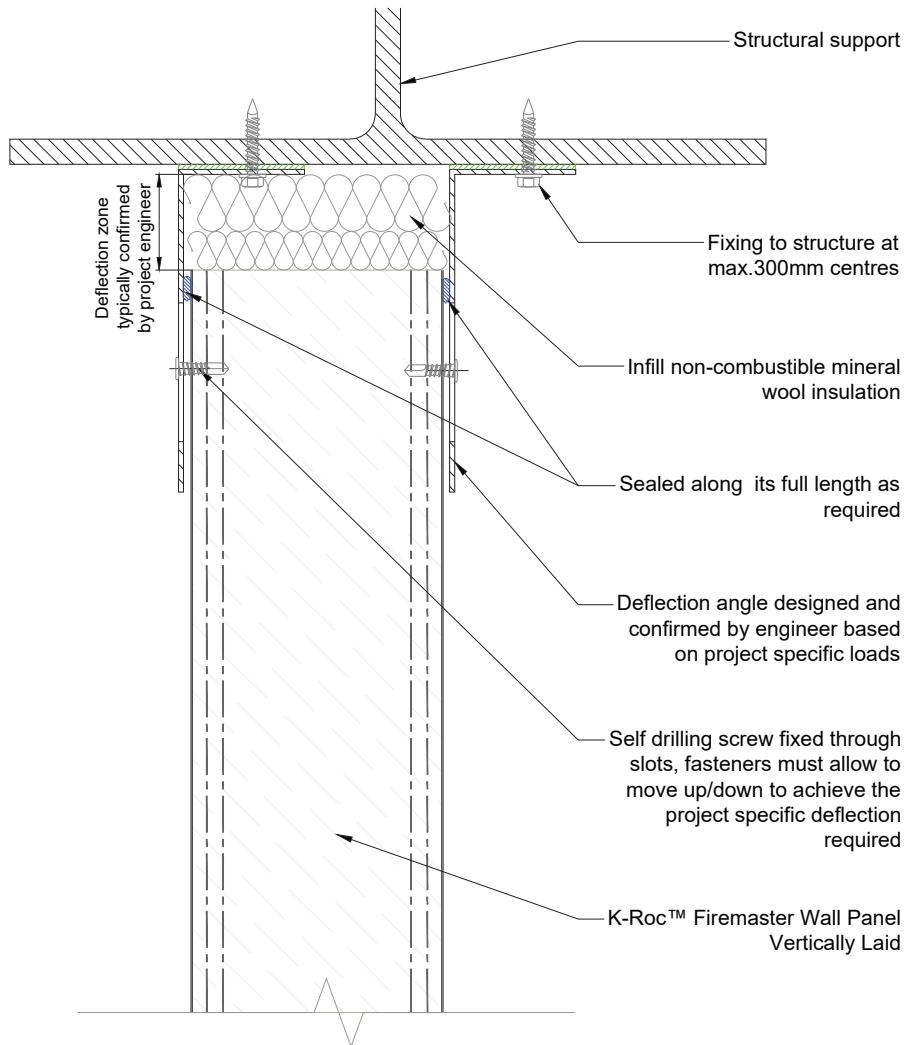
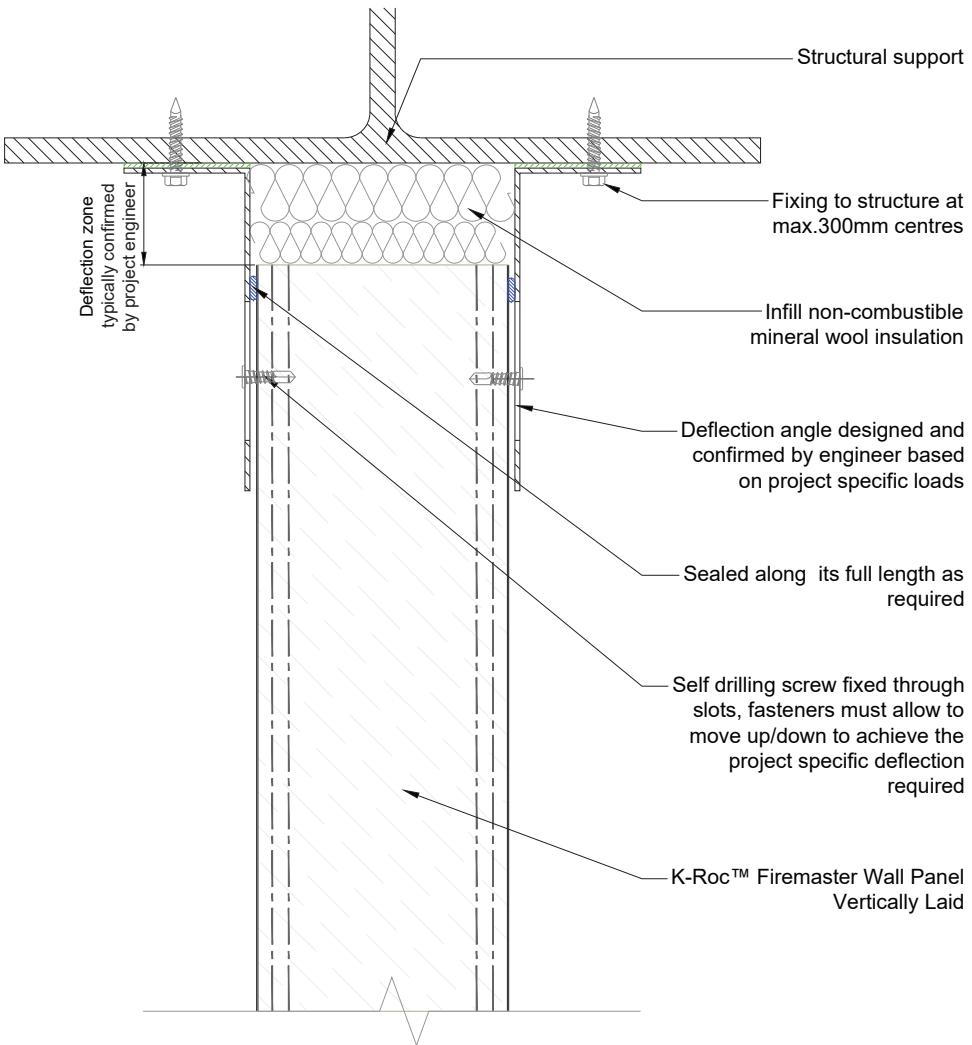
Dwg. Title		Scale	
Primary fastener location and stack Joint		NTS	
Application	Dwg. No.	Rev.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 08a	C	<p>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan.</p> <p>www.kingspanpanels.com.nz</p>

K-Roc™ Firemaster Wall Panel (Non-Firewall)



Dwg. Title		Scale	
Intermediate support		NTS	
Application	Dwg. No.	Rev.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 08b	C	<p>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan.</p> <p>www.kingspanpanels.com.nz</p>

K-Roc™ Firemaster Wall Panel (Non-Firewall)



Dwg. Title

Deflection head detail

Application

K-Roc™ Firemaster Wall Panel - Vertically Laid

Scale

NTS

Dwg. No.

K-FM V 09a

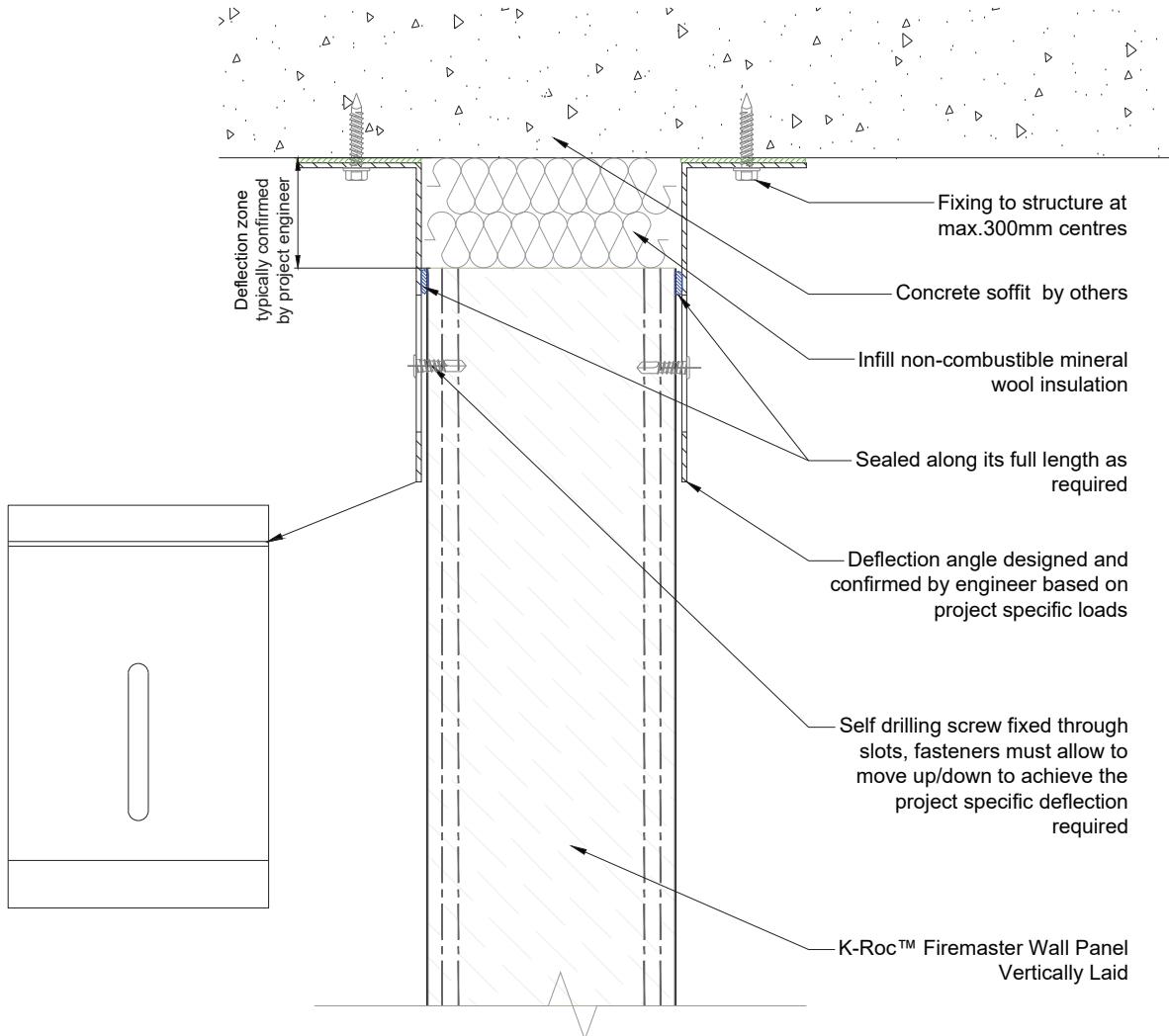
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K-Roc™ Firemaster Wall Panel (Non-Firewall)



Dwg. Title

Deflection head detail - Continued

Scale

NTS

Application

K-Roc™ Firemaster Wall Panel - Vertically Laid

Dwg. No.

K-FM V 09b

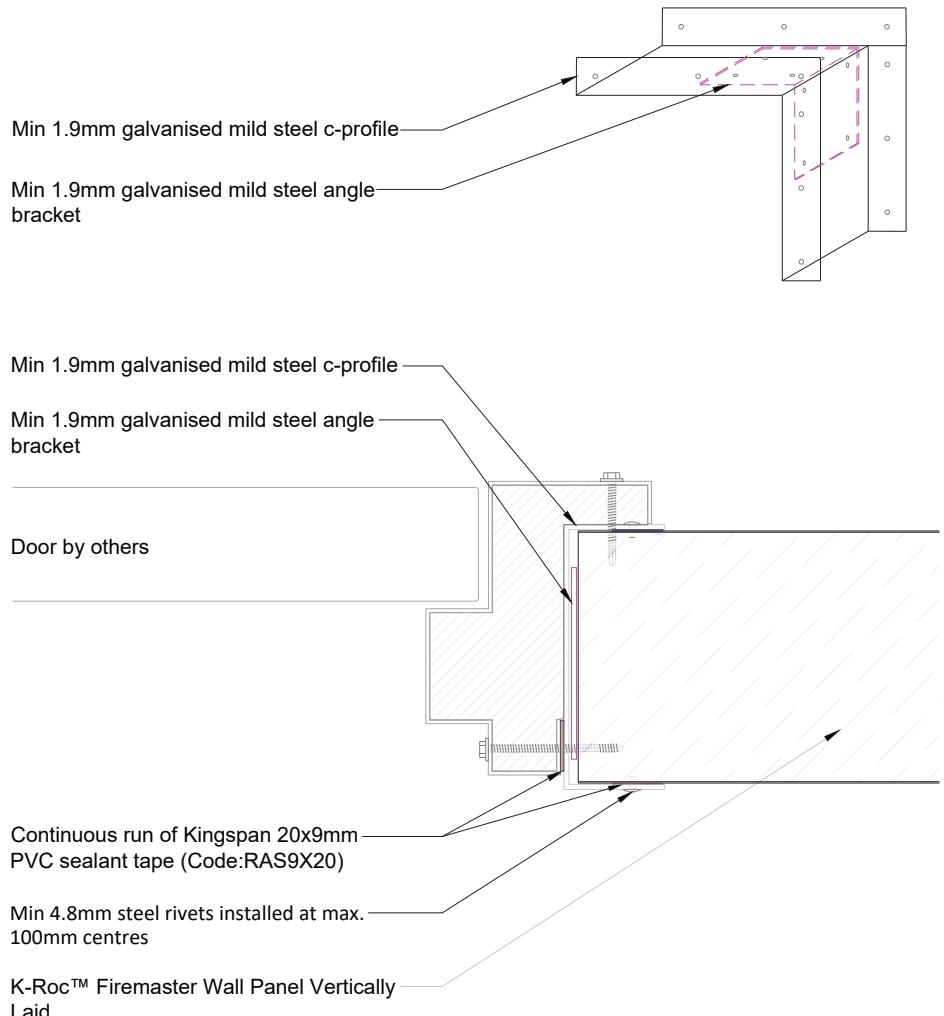
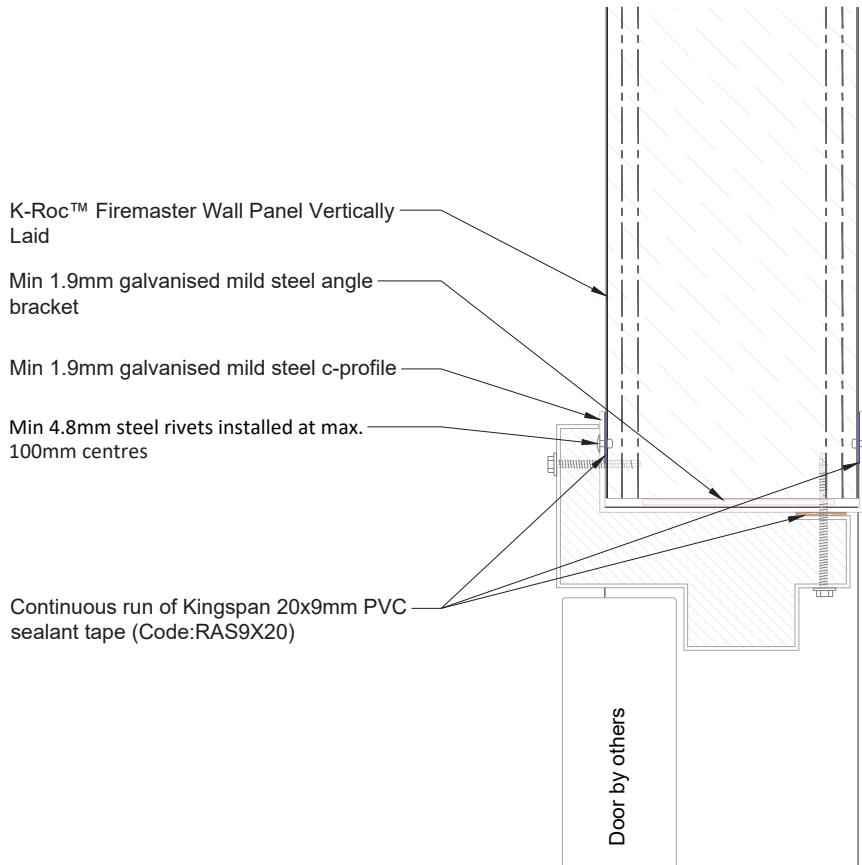
Rev.

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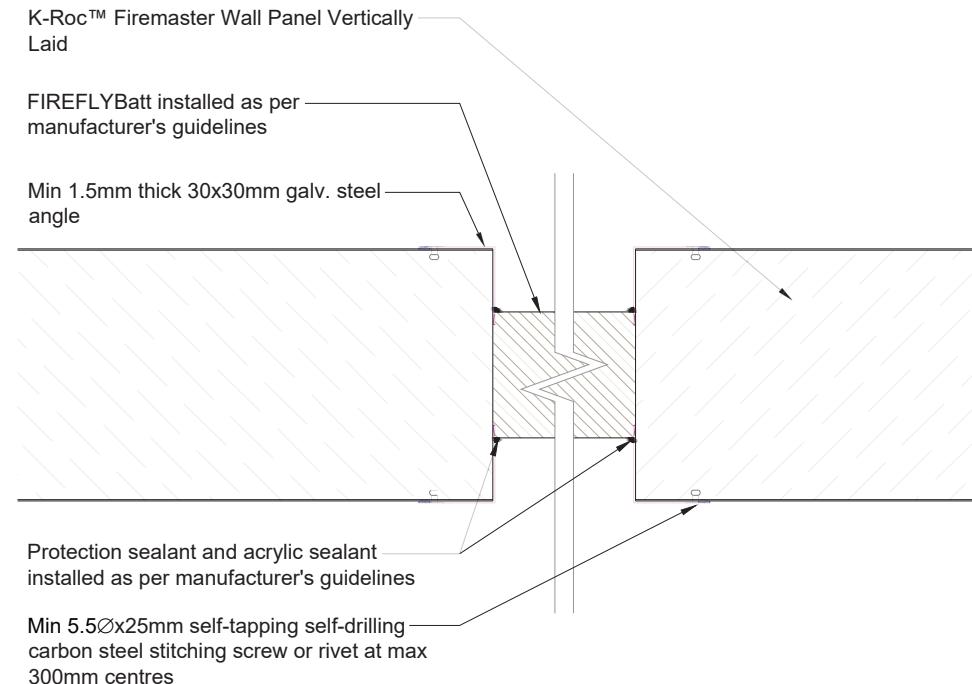
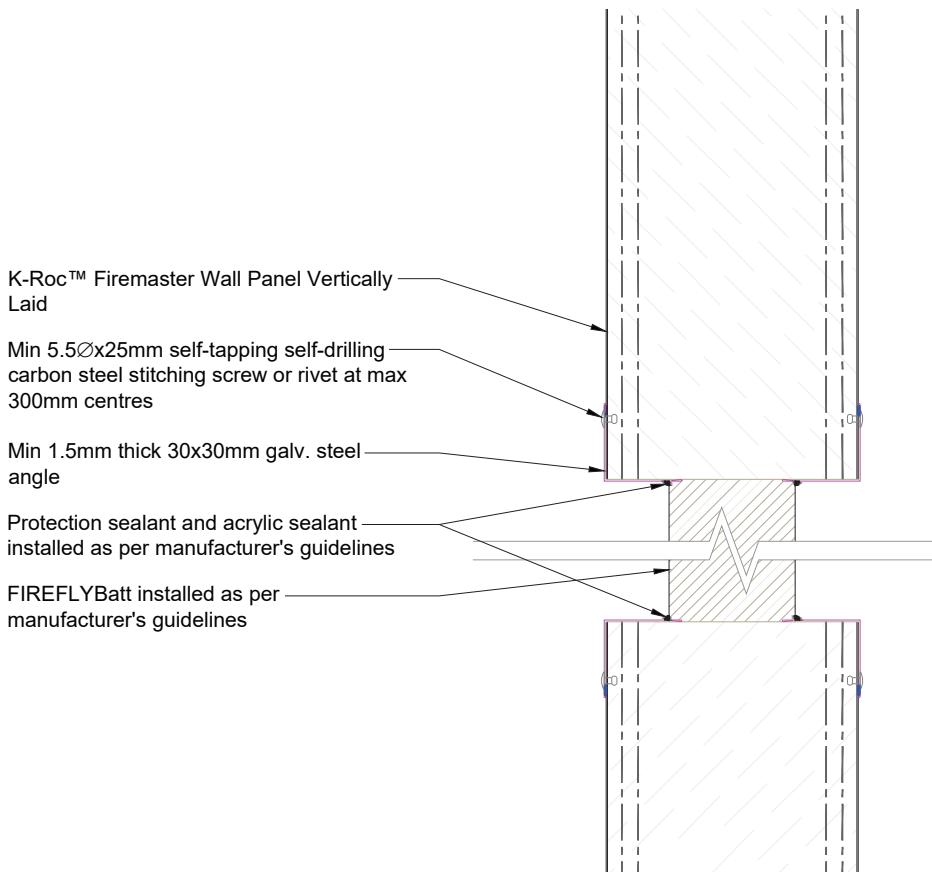
Dwg. Title		Scale	
Personnel door details (Head and Jamb)		NTS	
Application	Dwg. No.	Rev.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 10a	A	

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K-Roc™ Firemaster Wall Panel (Non-Firewall)



Dwg. Title	Scale	
Penetration details	NTS	
Application	Dwg. No.	Rev.
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 10b	A

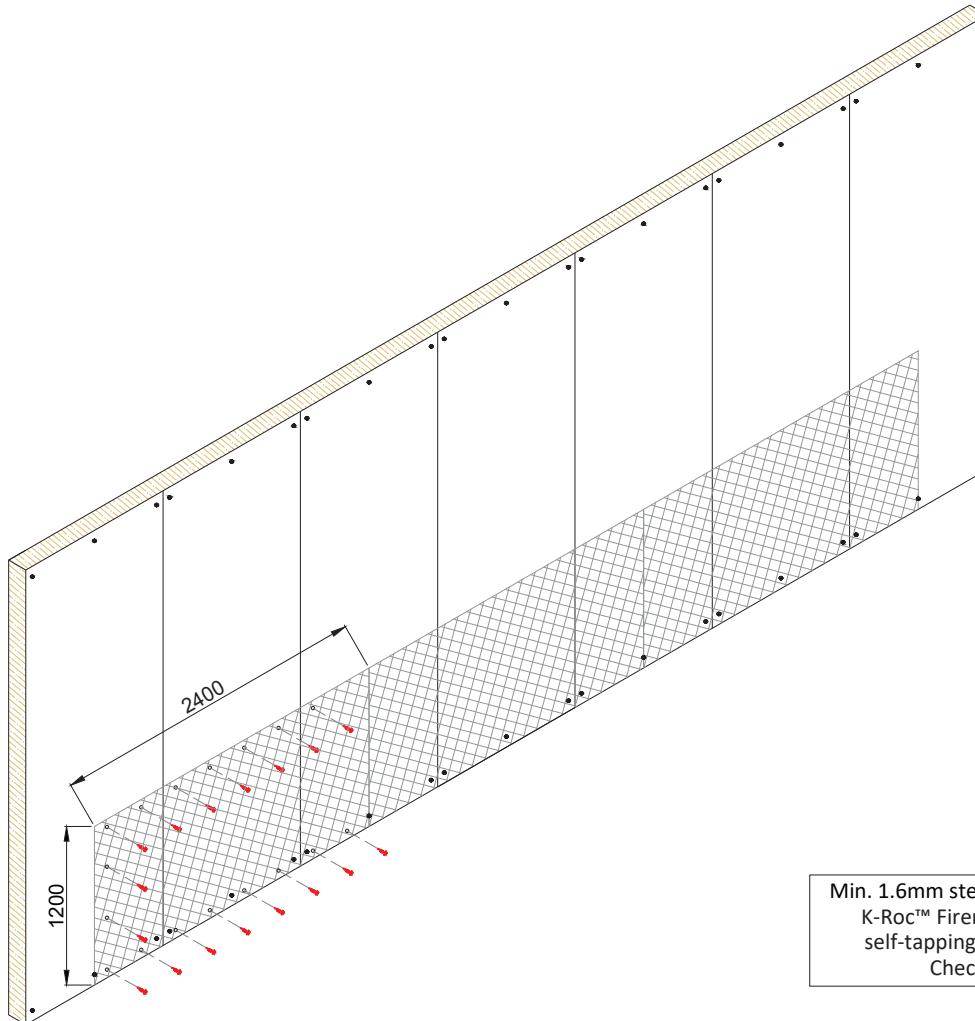
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Min. 1.6mm steel or aluminium checker plate, mechanically fixed to
K-Roc™ Firemaster Wall Panel , post installation, using 25mm
self-tapping screws @300mm centres around the perimeter.
Checker plate sheets generally 2400x1200mm.

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Dwg. Title	Scale	
Checker Plate	NTS	
Application	Dwg. No.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 11a	Rev. C

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