


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

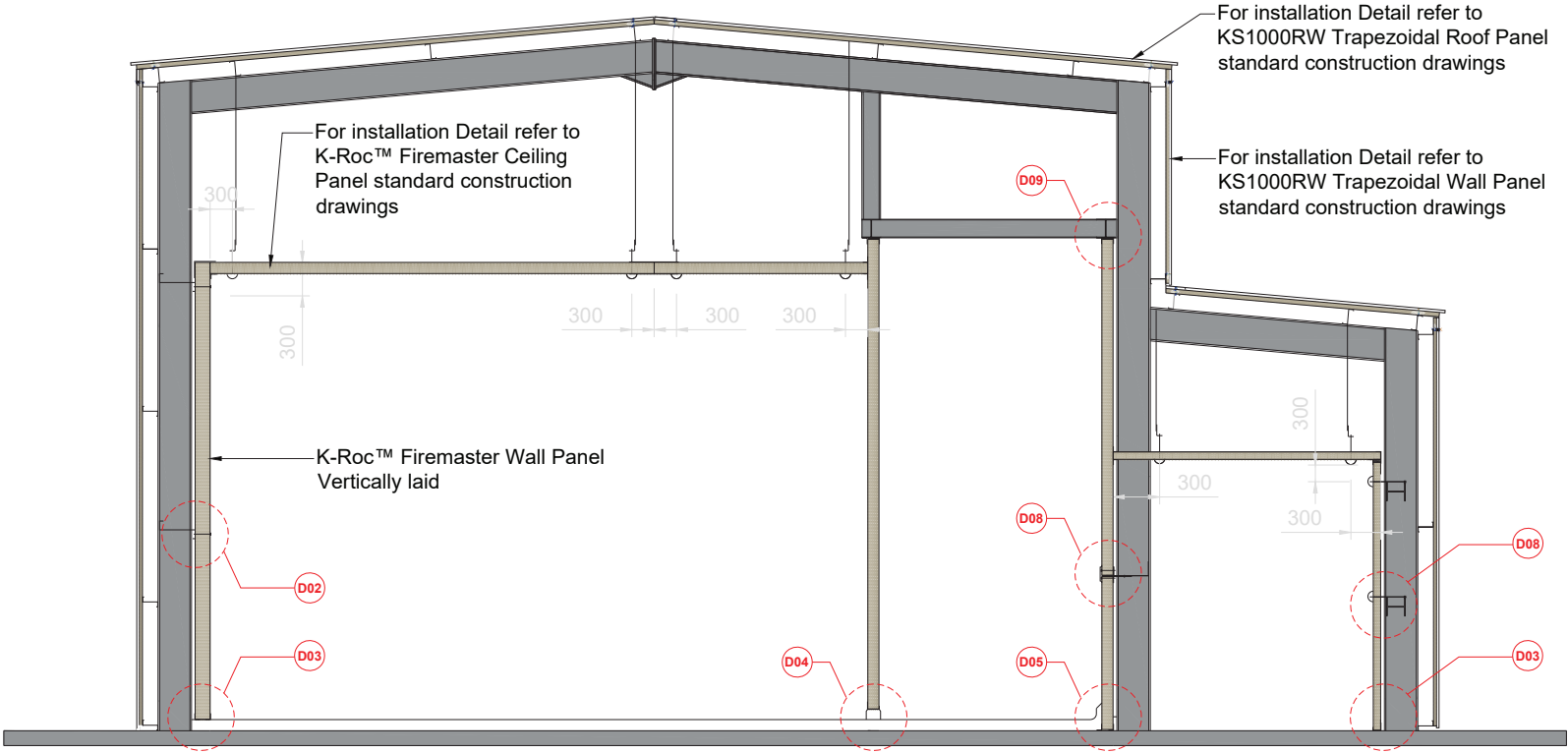
K-Roc™ Firemaster Wall Panel - Vertically Laid - Drawing Register				
DWG_NO	DWG_TITLE	REV	UPDATED BY	CHECKED BY
K-FM V 00a	Sheet List	C	HL	JS
K-FM V 00b	Typical Warehouse layout	C	HL	JS
K-FM V 01a	Panel Profile	C	HL	JS
K-FM V 02a	Vertical joints	C	HL	JS
K-FM V 03a	Base Detail	C	HL	JS
K-FM V 03b	Base 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


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

Aug. 20, 25

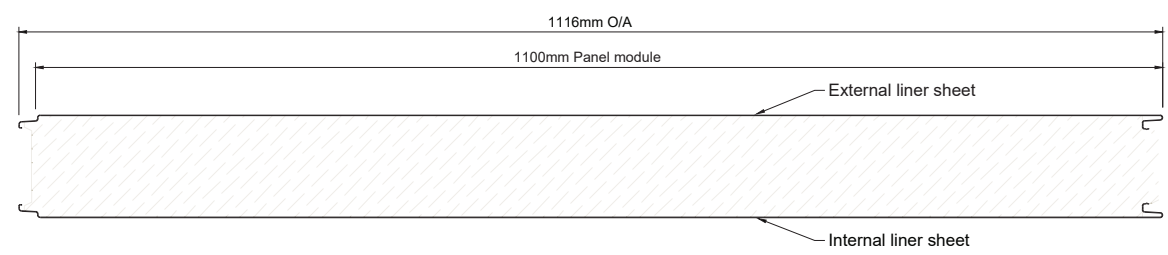
K-Roc™ Firemaster Wall Panel (Non-Firewall)



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Typical Warehouse layout	NTS	
Application	Dwg. No.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 00b	
	Rev.	
	C	

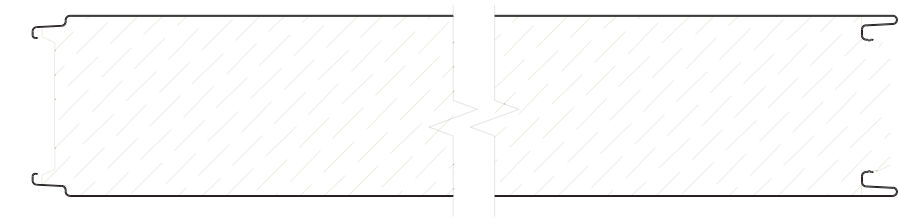
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CORE THICKNESS (MM)	75	100	120	150	175	200
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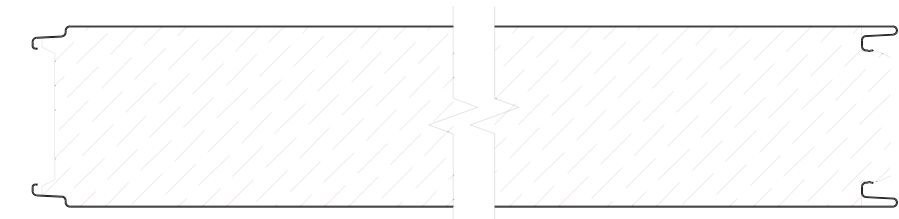
External liner sheet

FLAT



Internal liner sheet

FLAT

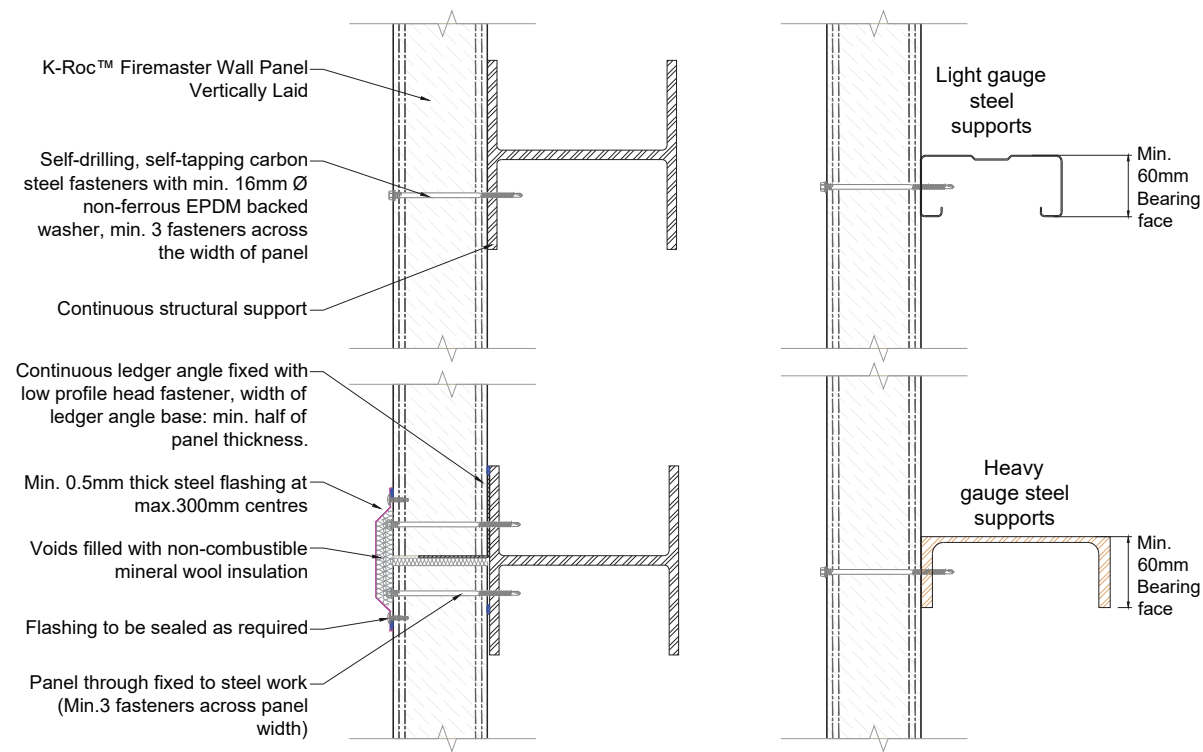


NOTES:

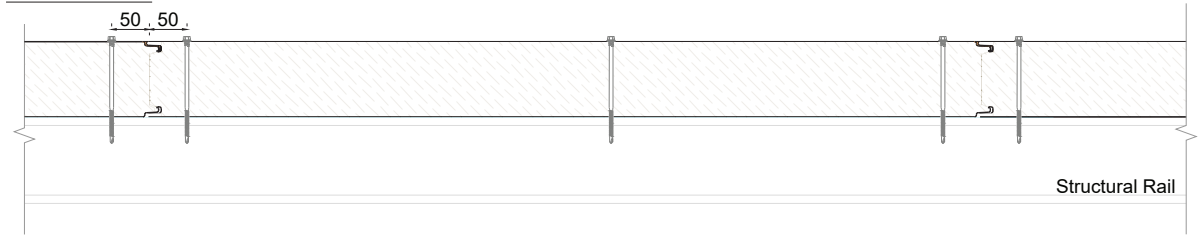
- Applications with specific Fire Resistance Level (FRL) and Fire Resistance Rate (FRR) requirements need to be consulted with KIP Technical Services. The attached are not the approved fire wall details.
- Core thickness dimensions are nominal, actual dimensions will vary due to manufacturing tolerances. 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.

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Panel Profile		NTS	
Application	Dwg. No.	Rev.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 01a	C	

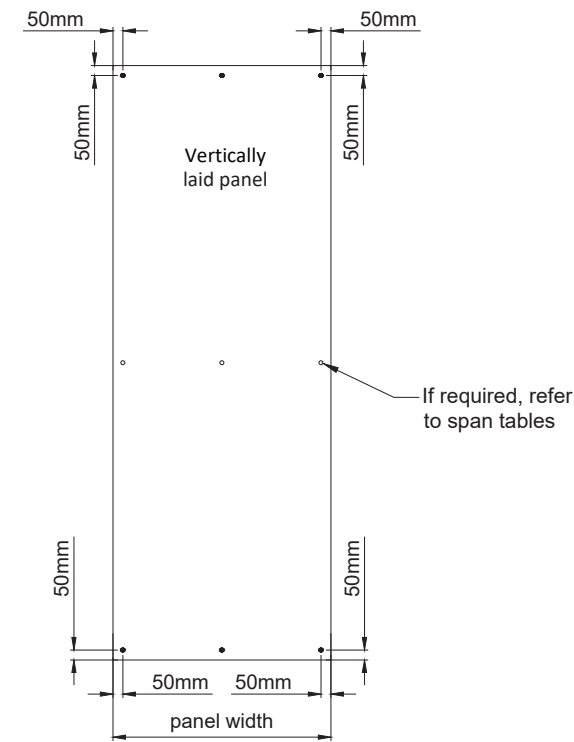
K-Roc™ Firemaster Wall Panel (Non-Firewall)



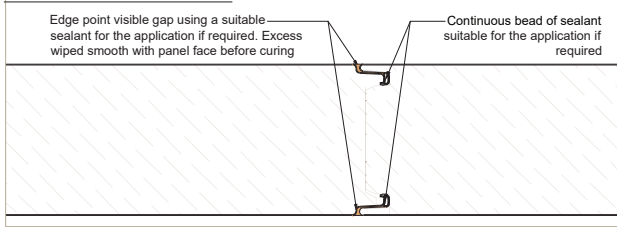
Plan section



Primary fastener locations

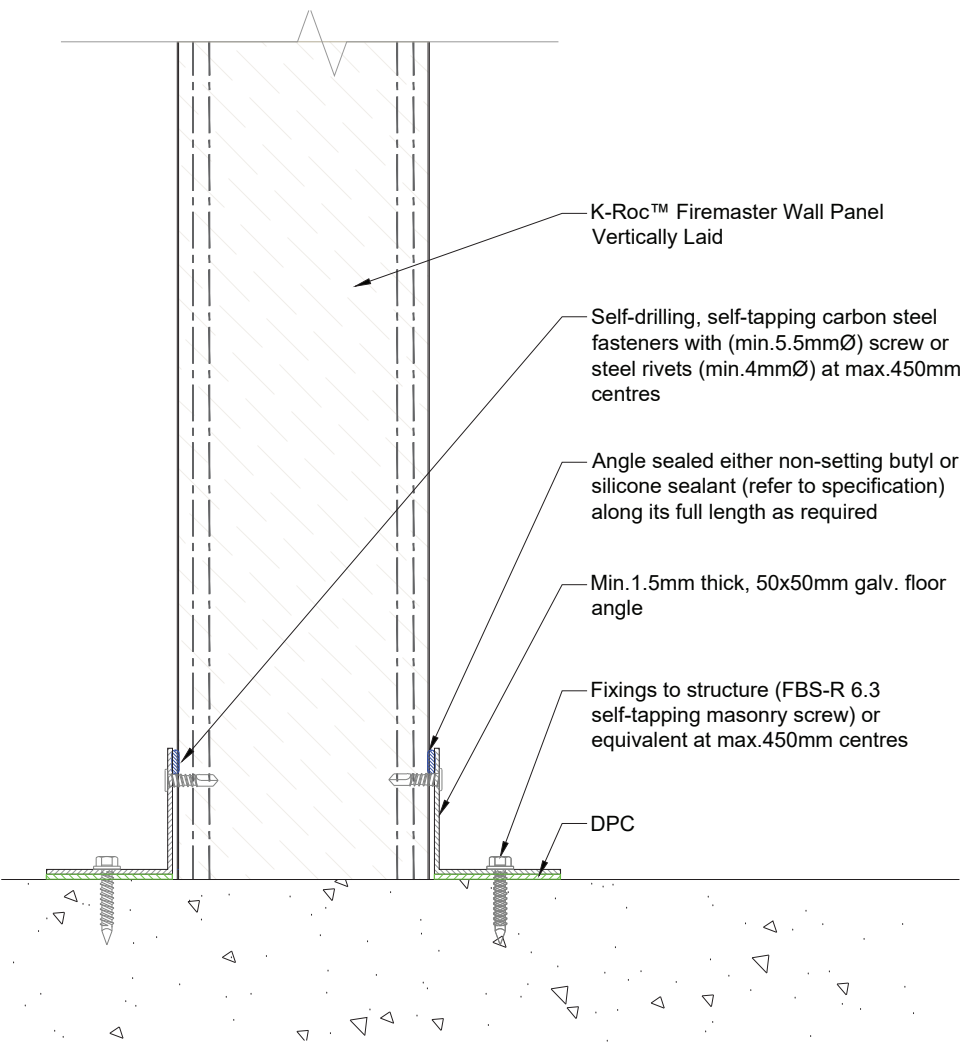
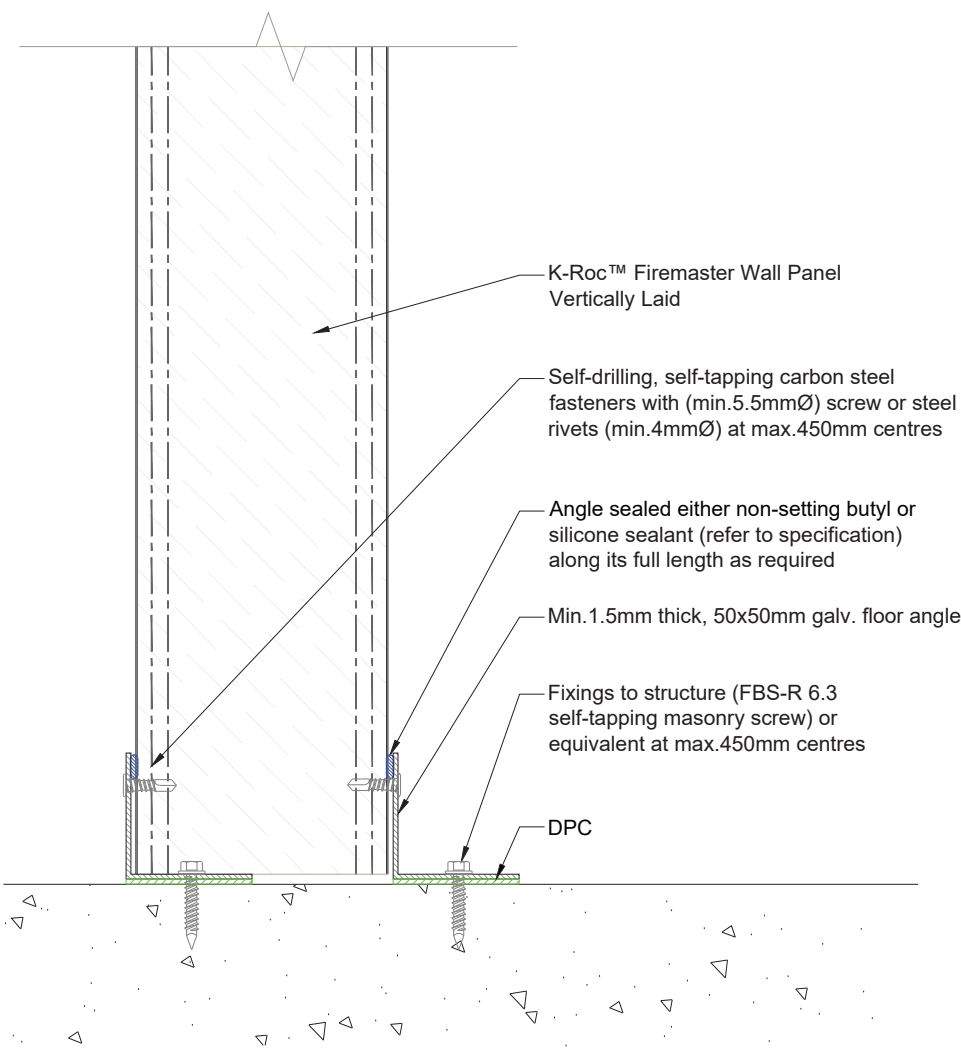



Vertical panel joint



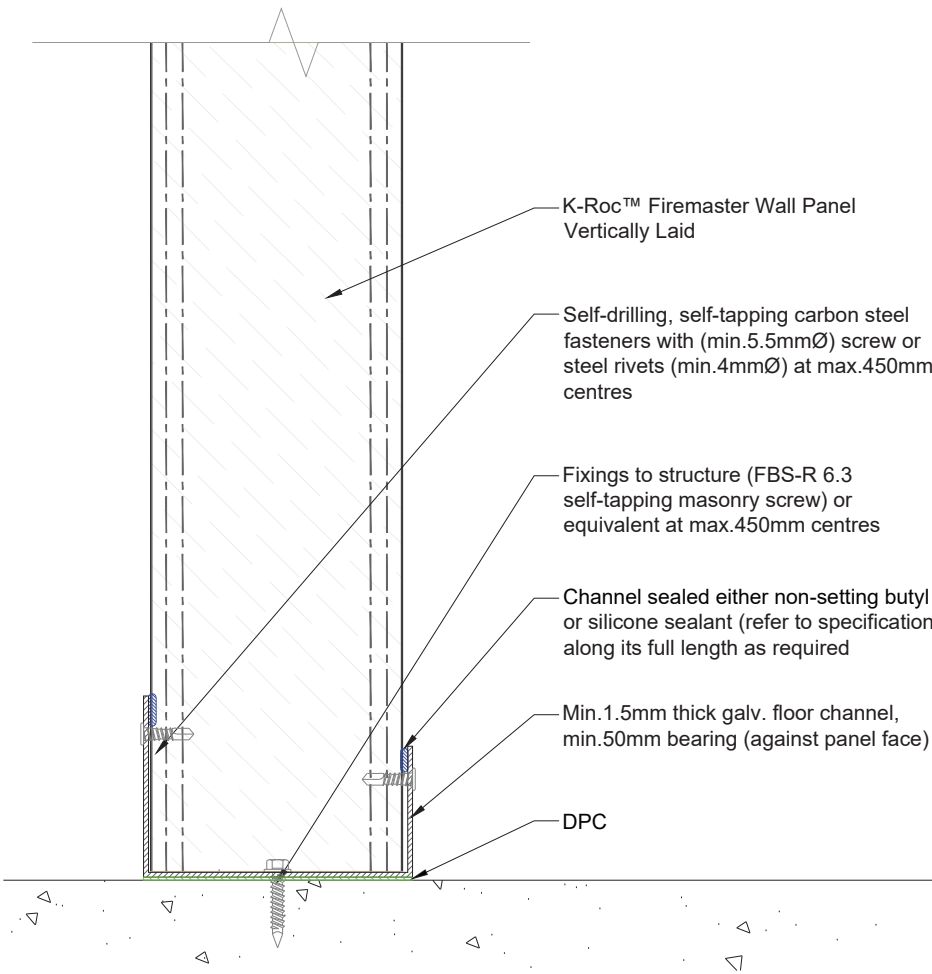
<p>Dwg. Title</p> <p>Vertical joints</p>		<p>Scale</p> <p>NTS</p>	<p>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan.</p> <p>www.kingspanpanels.com.nz</p>	
<p>Application</p> <p>K-Roc™ Firemaster Wall Panel - Vertically Laid</p>	<p>Dwg. No.</p> <p>K-FM V 02a</p>	<p>Rev.</p> <p>C</p>		

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



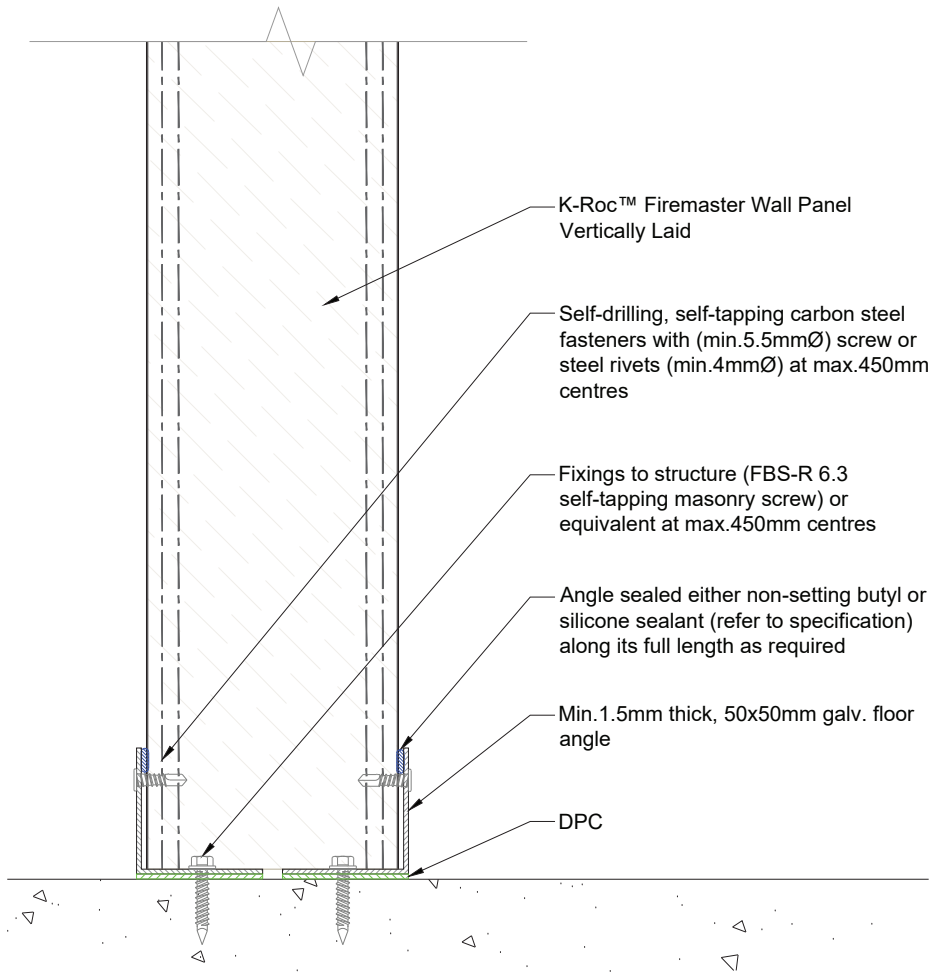
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Base Detail		NTS	
Application	Dwg. No.	Rev.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 03a	C	

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

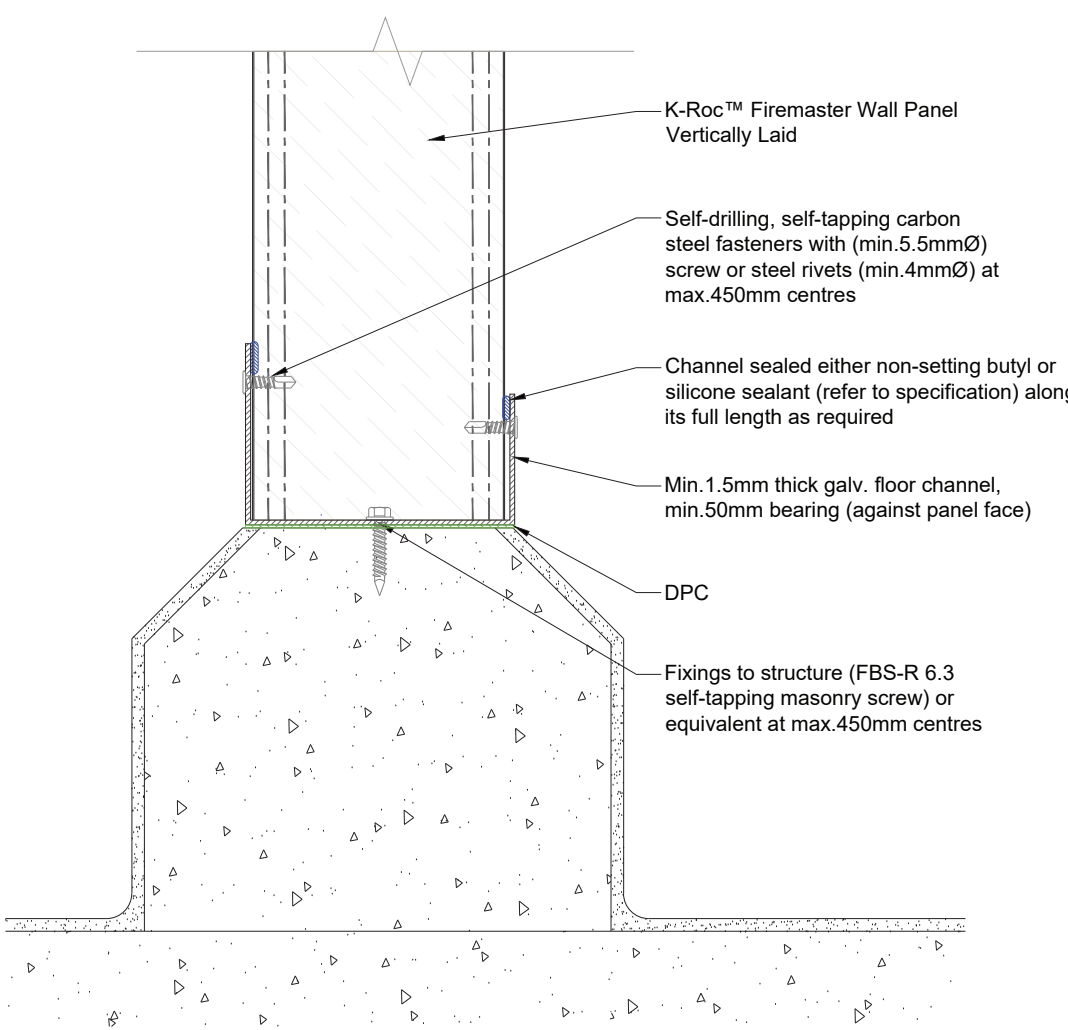
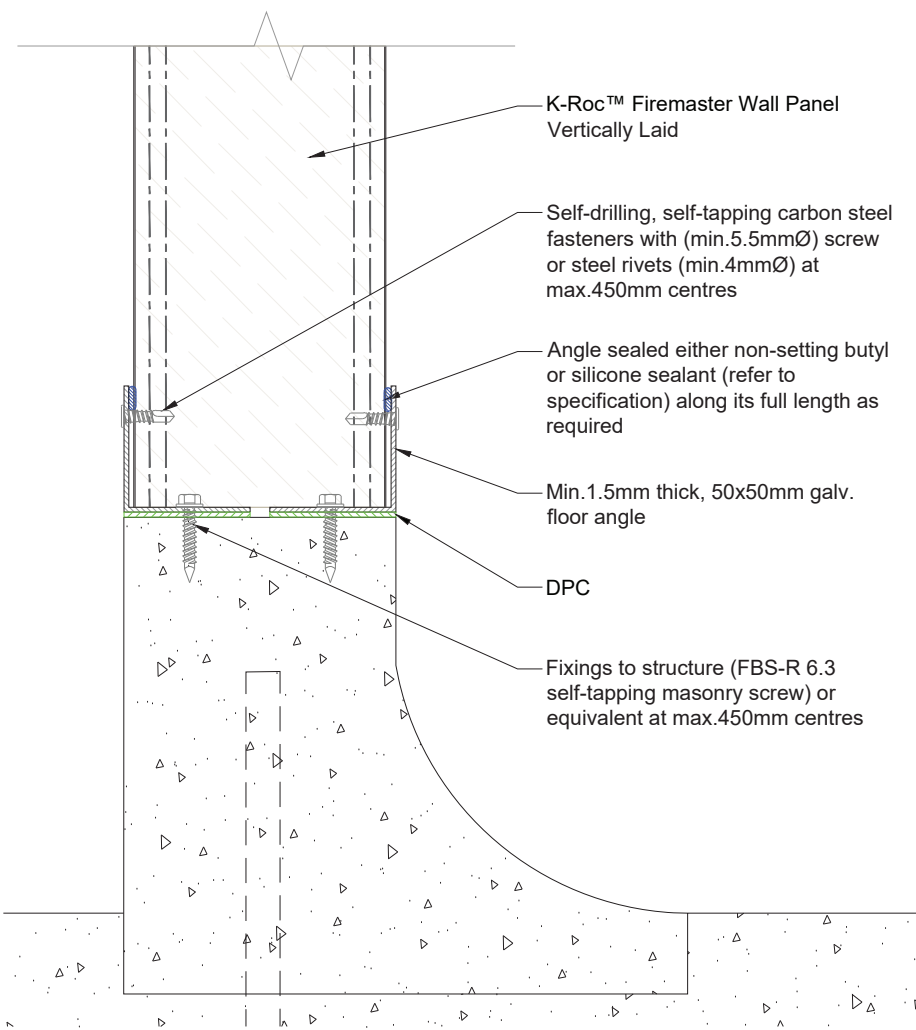
Rev.
C

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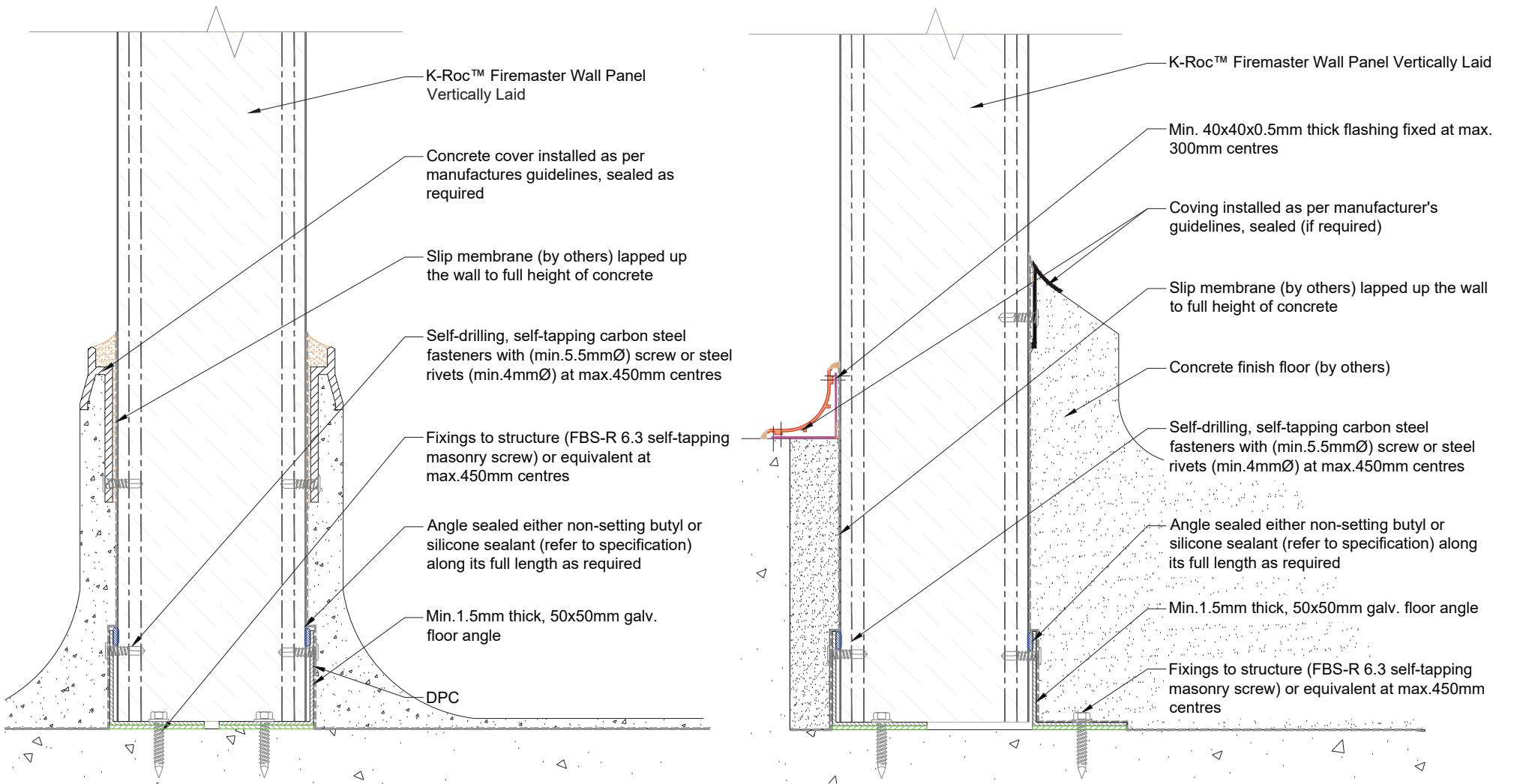


K-Roc™ Firemaster Wall Panel (Non-Firewall)



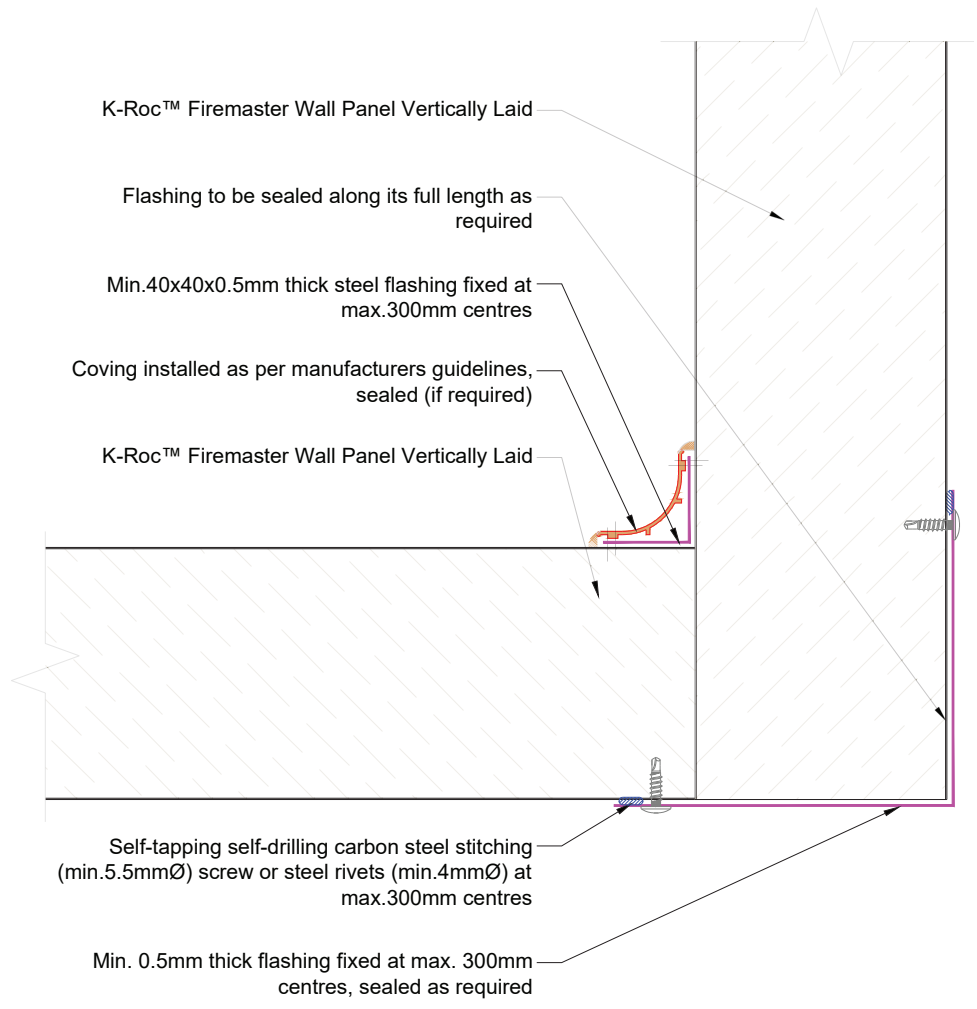
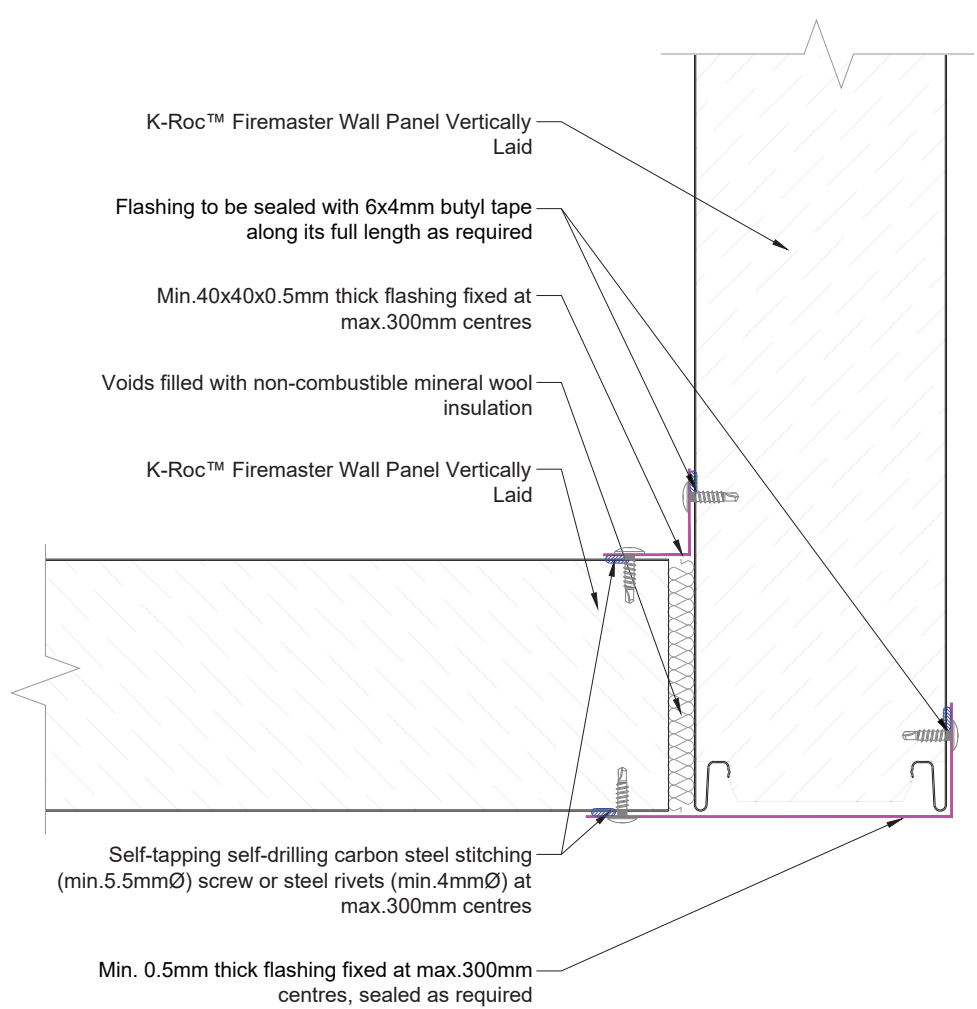
Dwg. Title		Scale	These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan. www.kingspanpanels.com.nz	
Base Detail on Kerb		NTS		
Application	Dwg. No.	Rev.		
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 04a	C		


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



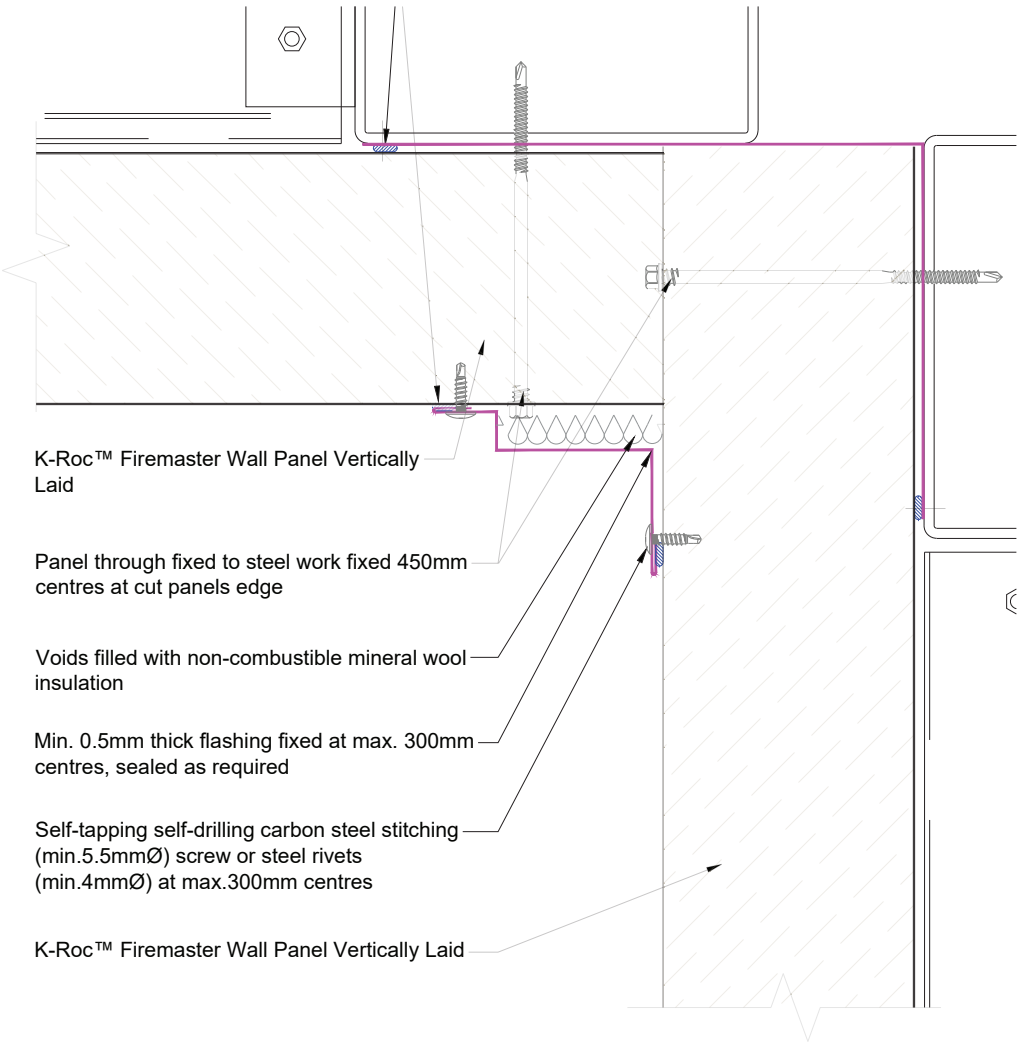
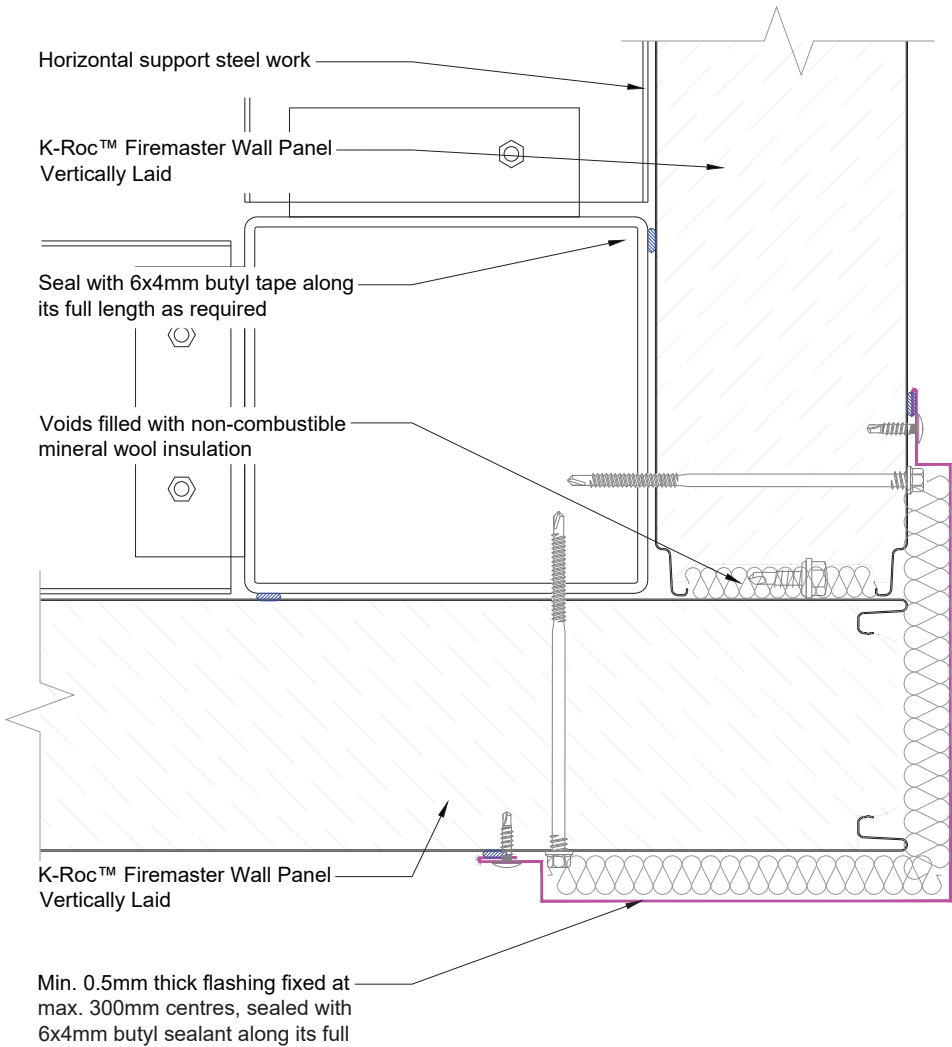
Dwg. Title	Scale	<div>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan.</div> <div>www.kingspanpanels.com.nz</div>
Base Detail within concrete	NTS	
Application	Dwg. No.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 05a	
	Rev.	C

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




<p><i>Dwg. Title</i></p> <p>Vertical corner</p>	<p><i>Scale</i></p> <p>NTS</p>	<p><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></p> <p><i>www.kingspanpanels.com.nz</i></p>	
<p><i>Application</i></p> <p>K-Roc™ Firemaster Wall Panel - Vertically Laid</p>	<p><i>Dwg. No.</i></p> <p>K-FM V 06a</p> <p><i>Rev.</i></p> <p>C</p>		

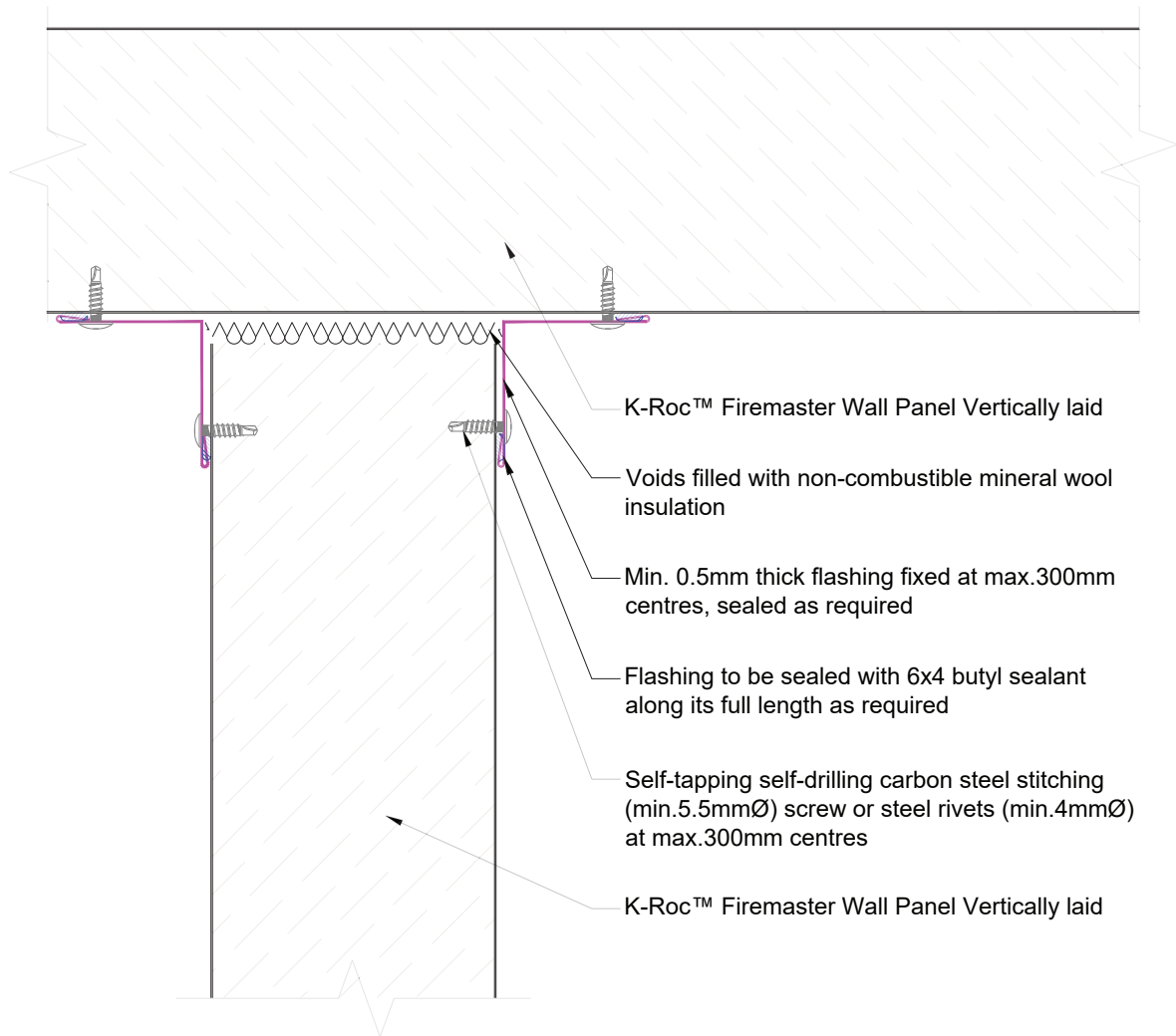
K-Roc™ Firemaster Wall Panel (Non-Firewall)



*Alternative corner solution when required

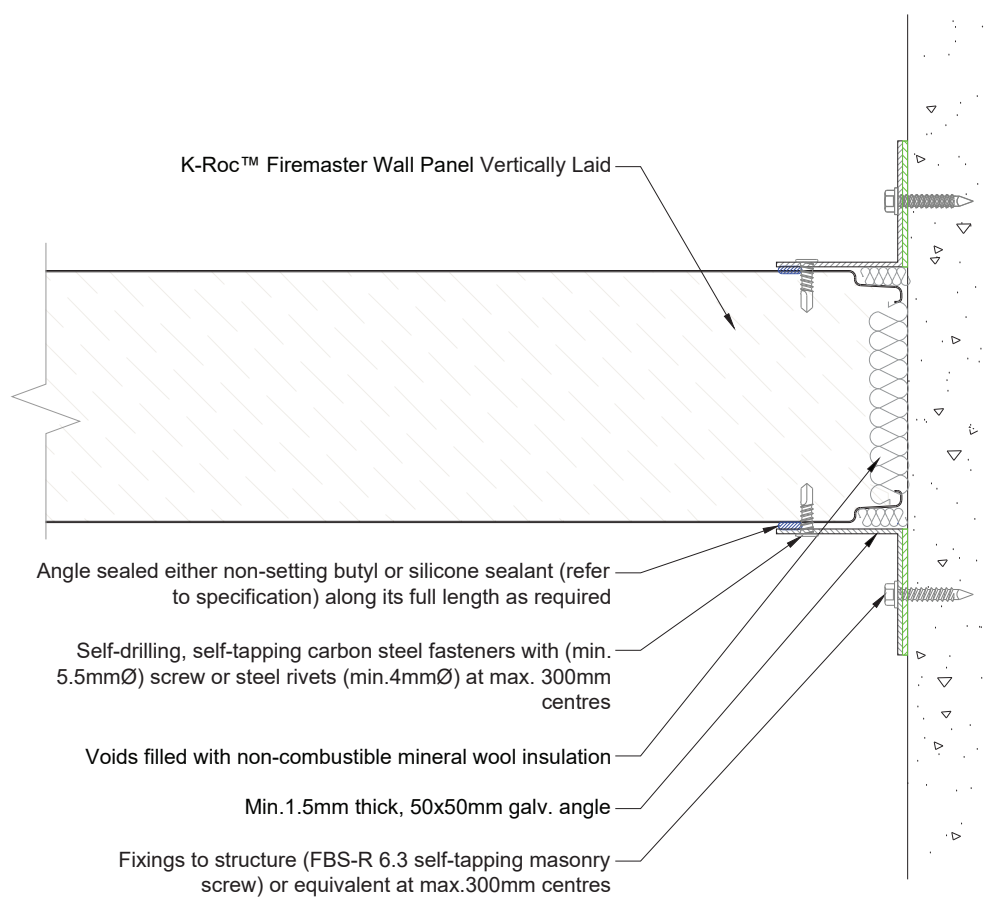
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Vertical corner- Alternative	NTS		
Application	Rev.		
K-Roc™ Firemaster Wall Panel - Vertically Laid	Dwg. No.	K-FM V 06b	
	Rev.	C	


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



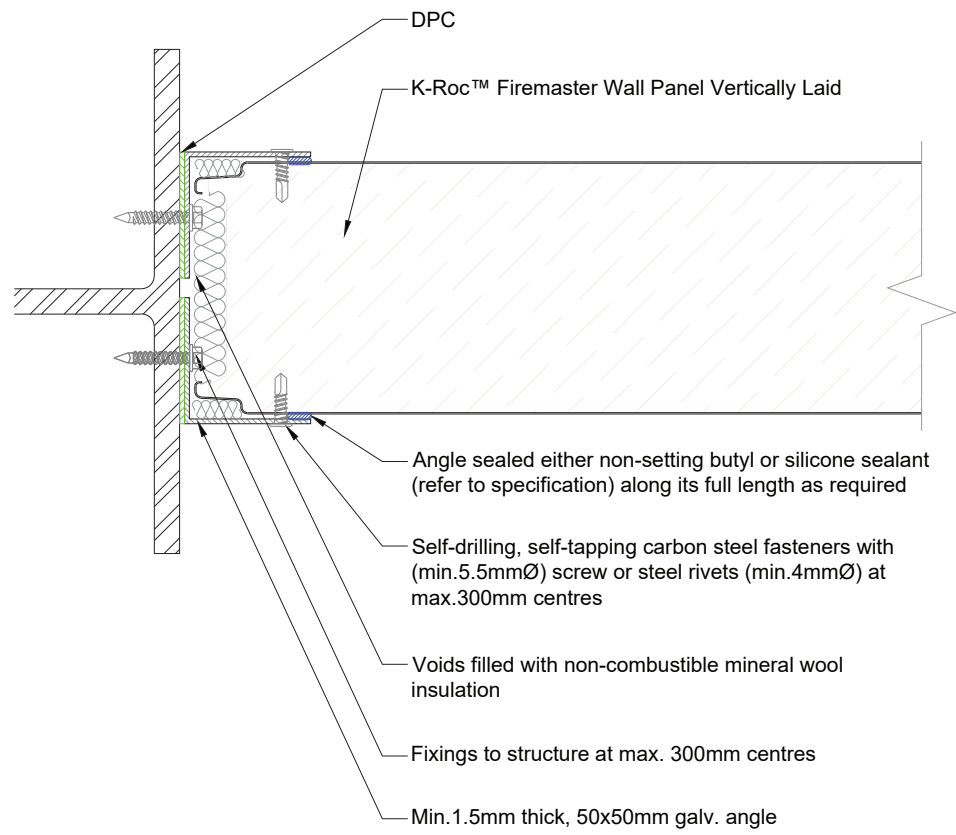
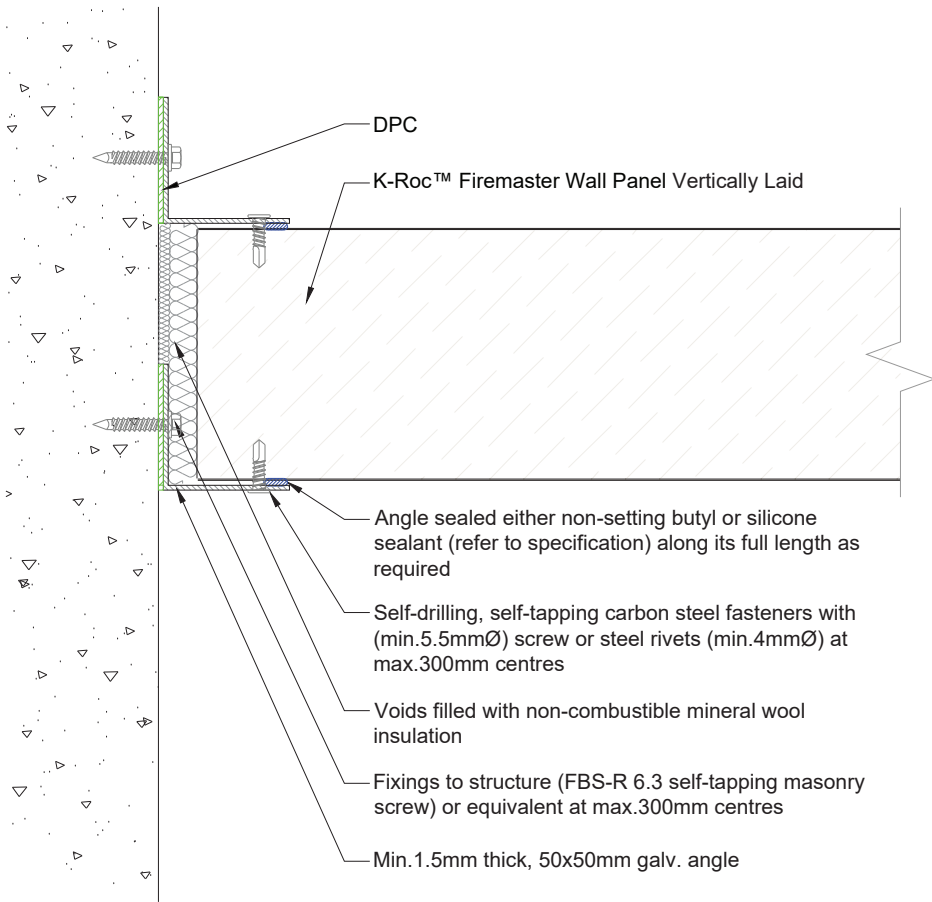
<i>Dwg. Title</i> Vertical internal corner	<i>Scale</i> NTS	These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan. www.kingspanpanels.com.nz	
<i>Application</i> K-Roc™ Firemaster Wall Panel - Vertically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


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



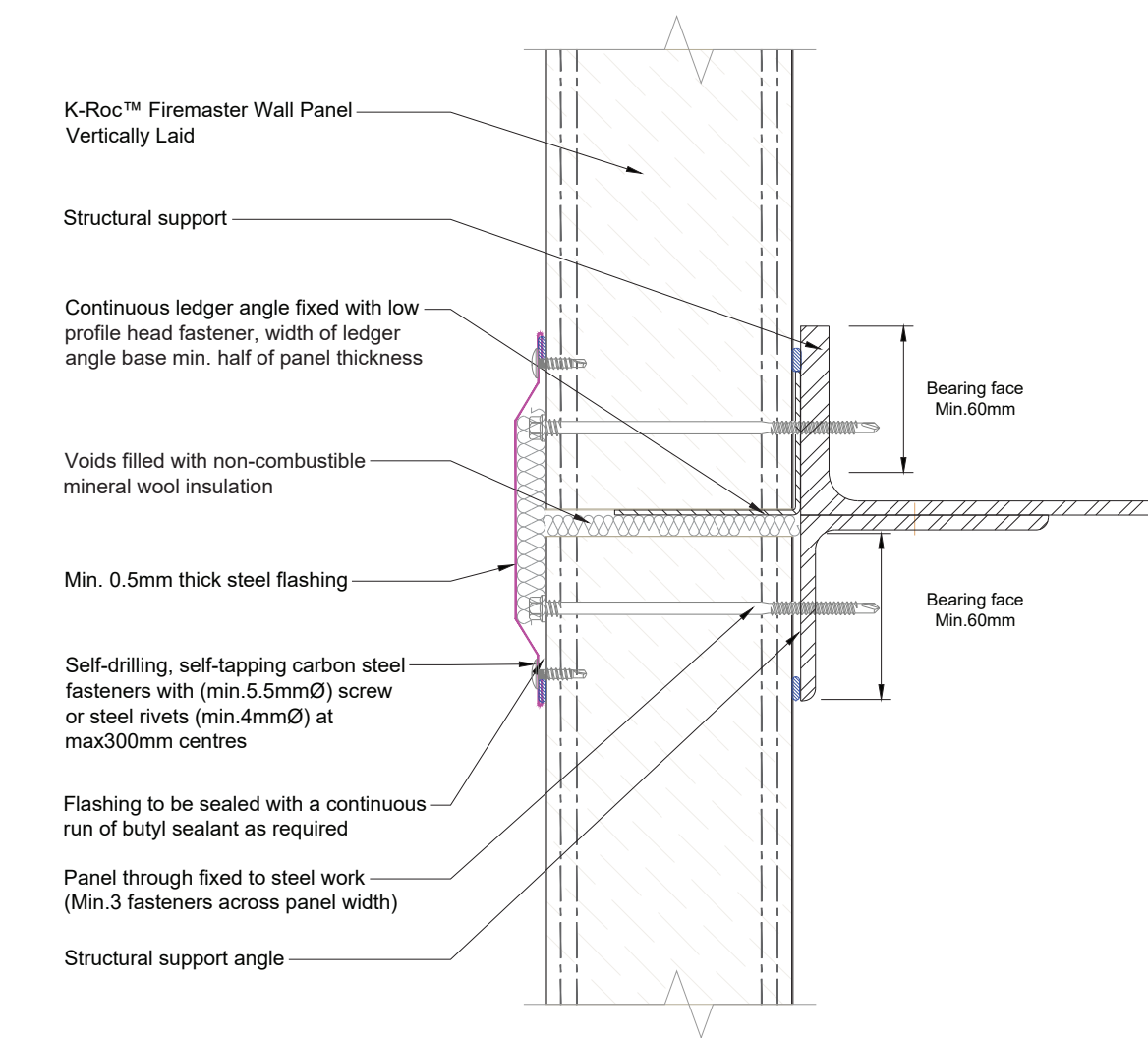
Dwg. Title	Scale	<p>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan.</p> <p>www.kingspanpanels.com.nz</p> 
Abutment to masonry wall	NTS	
Application	Dwg. No.	
K-Roc™ Firemaster Wall Panel -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

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



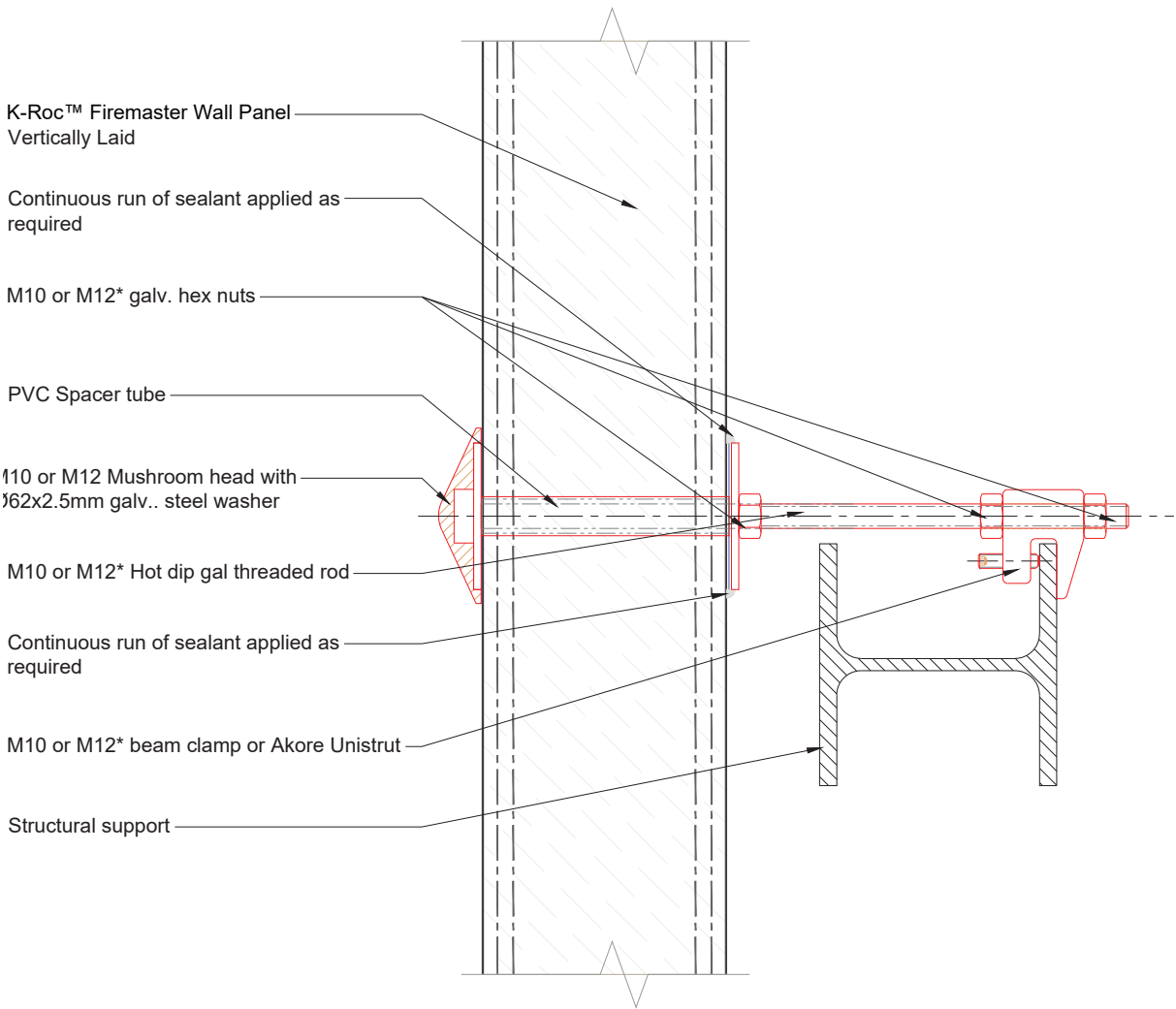
Dwg. Title	Scale	<p>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan.</p> <p>www.kingspanpanels.com.nz</p> 
Abutment to masonry wall - Continued	NTS	
Application	Dwg. No.	
K-Roc™ Firemaster Wall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

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



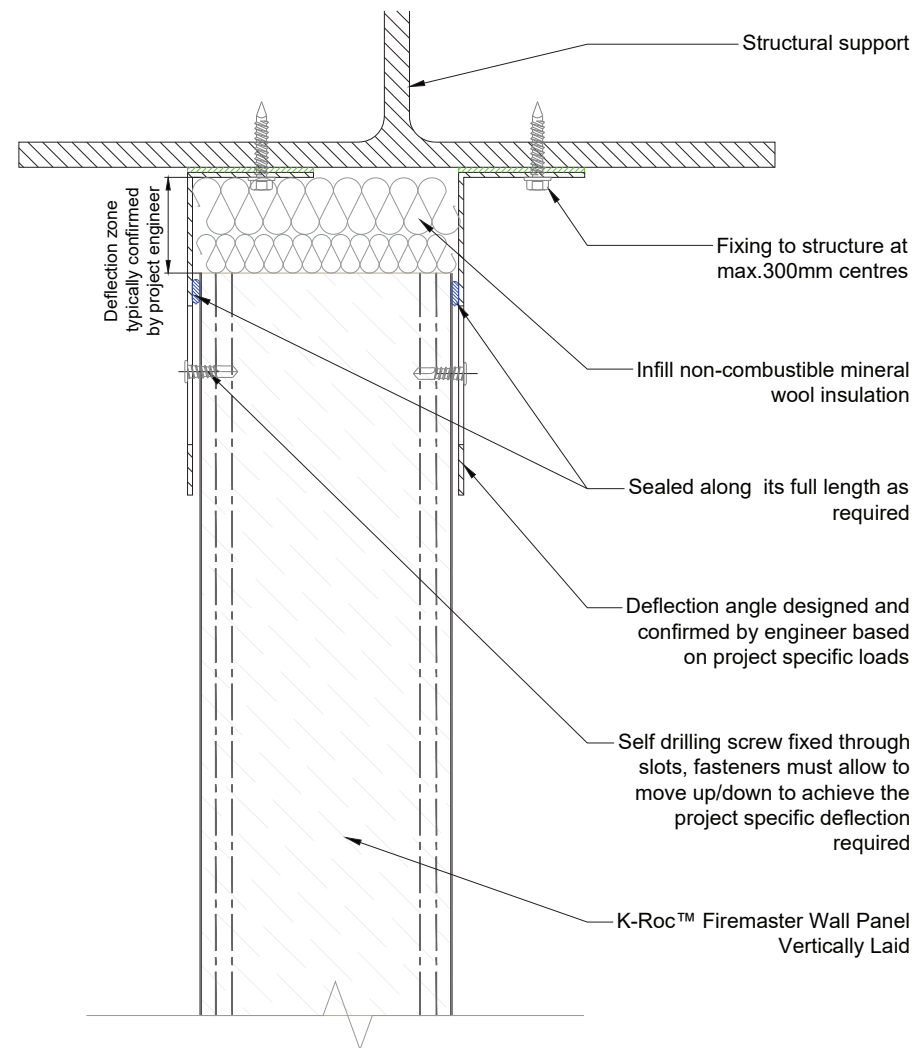
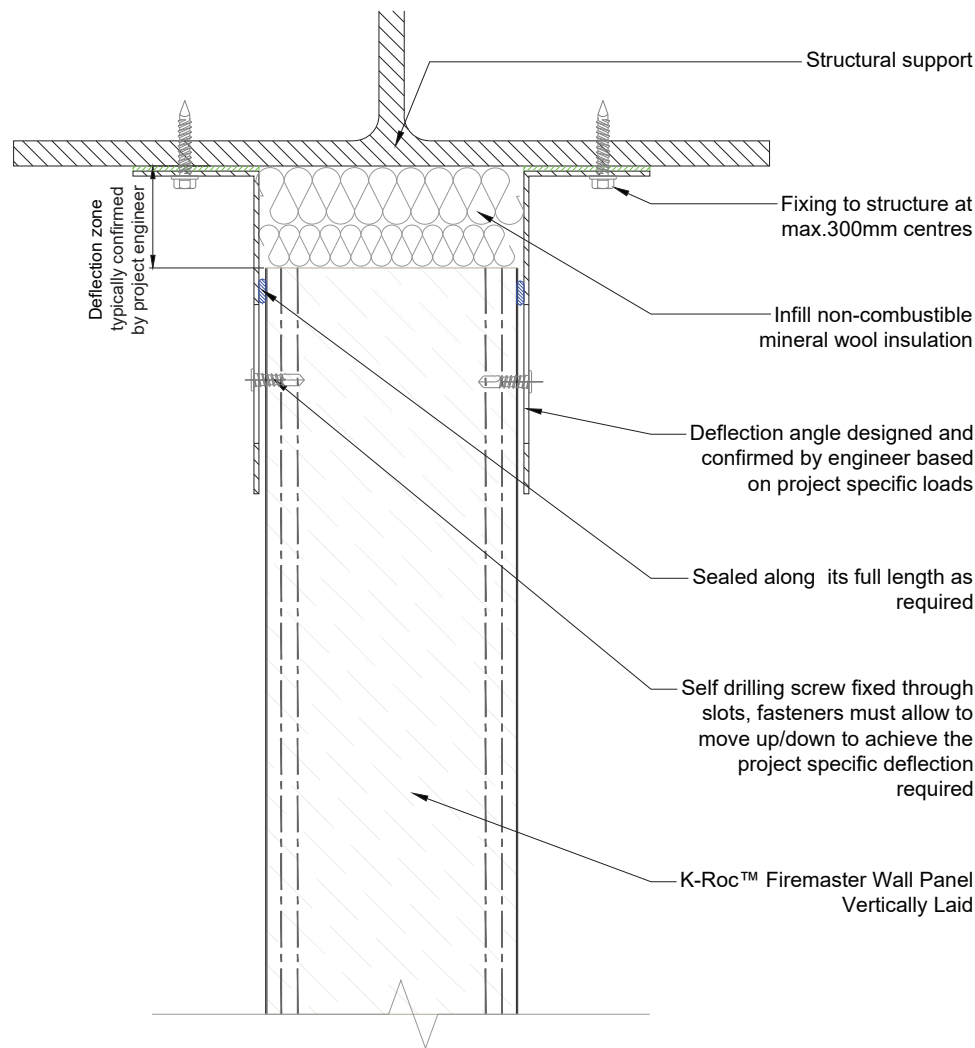
Dwg. Title		Scale	<p>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan.</p> <p>Kingspan.</p> <p>www.kingspanpanels.com.nz</p>
Primary fastener location and stack Joint		NTS	
Application	Dwg. No.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


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



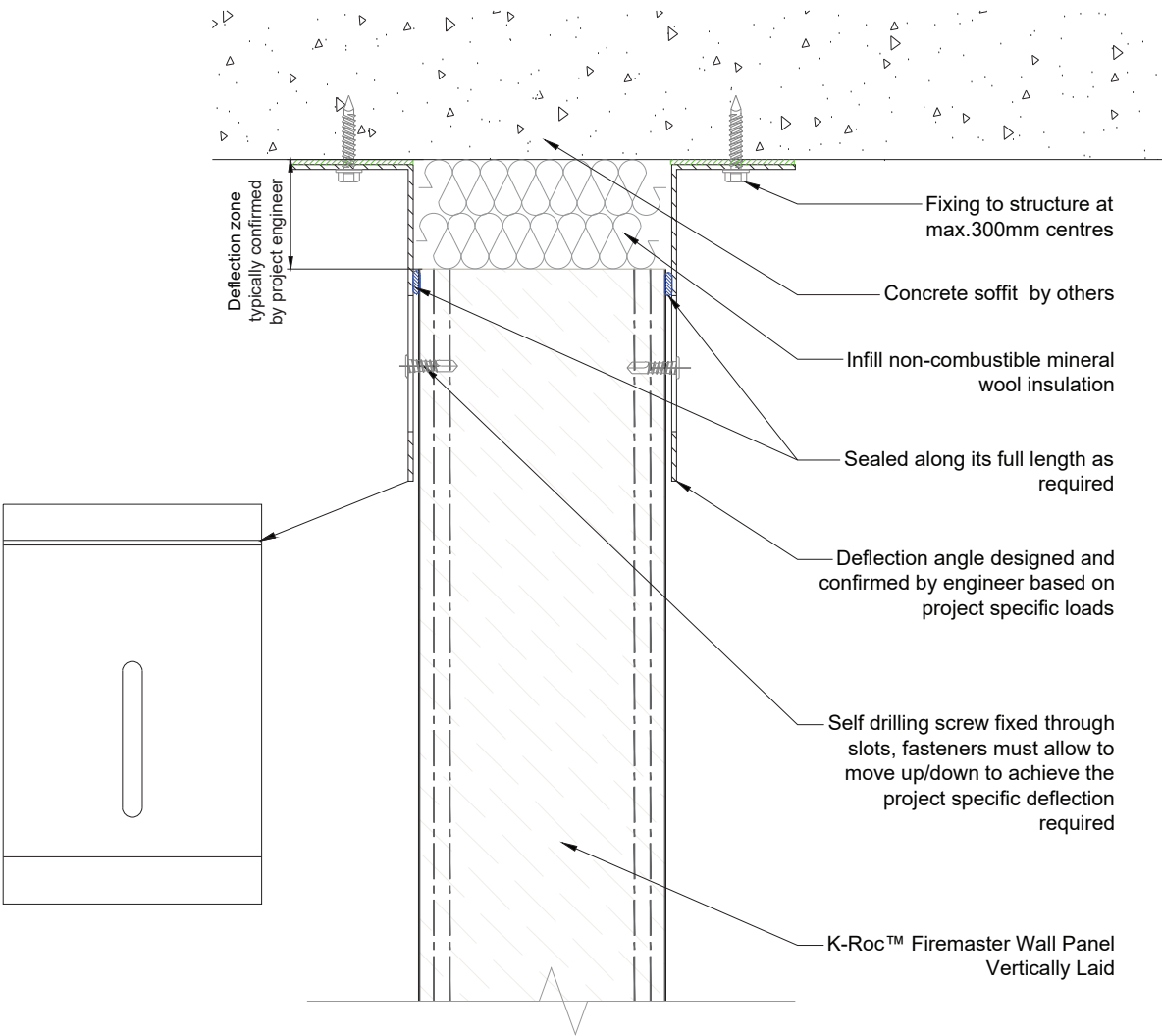
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Intermediate support		NTS	
Application	Dwg. No.	Rev.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 08b	C	


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



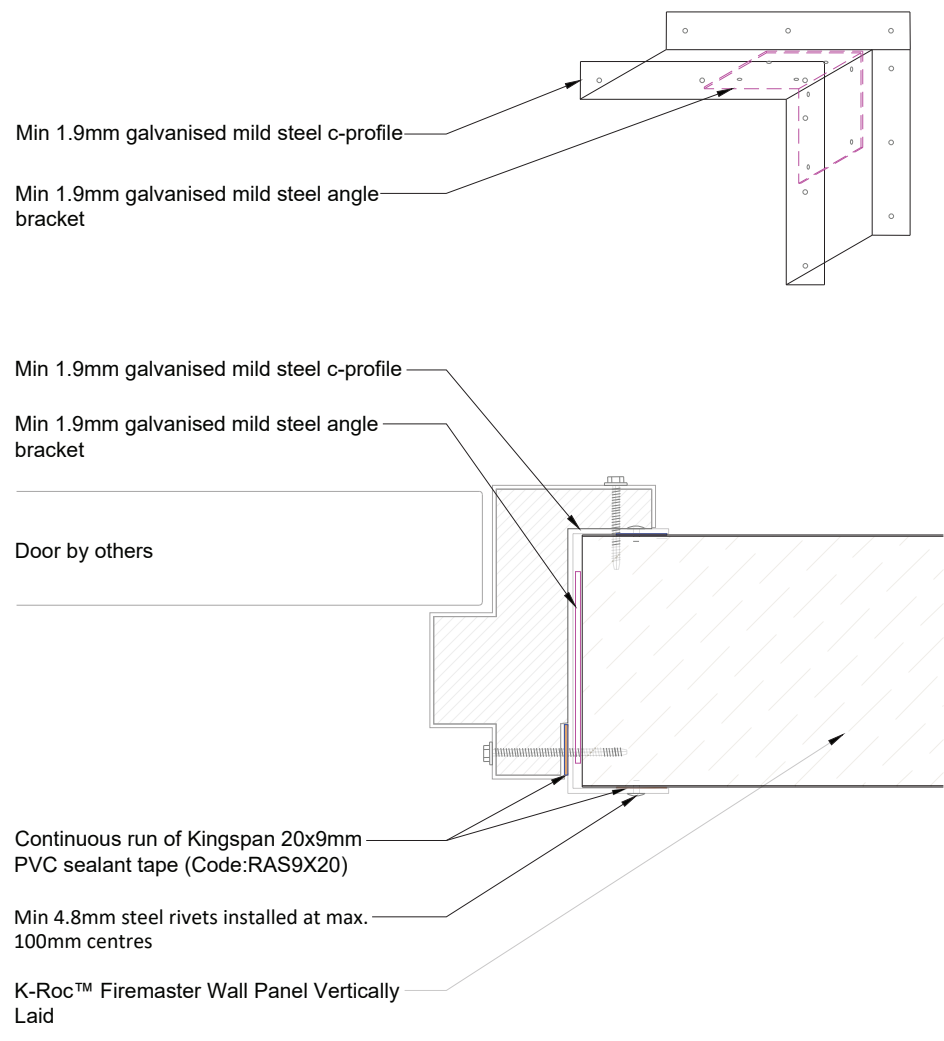
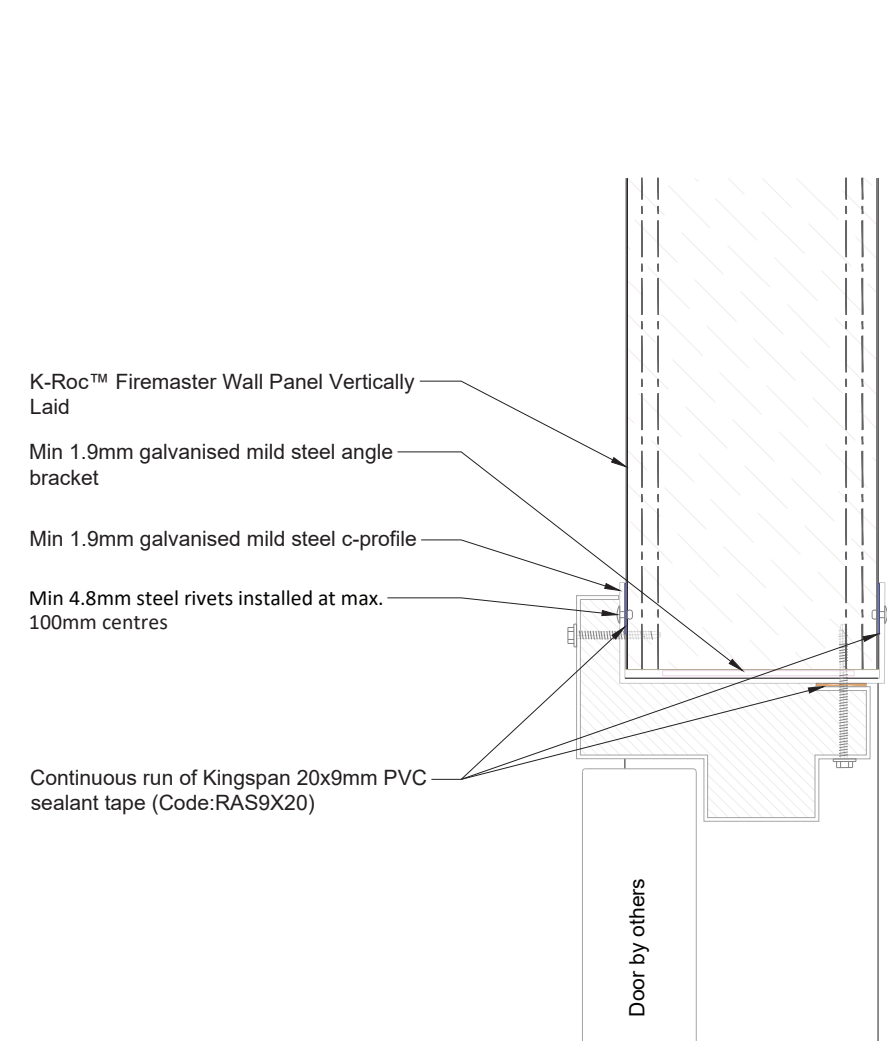
Dwg. Title	Scale	<p>These construction drawings are the property of Kingspan Insulated Panels Pty. Ltd. and may not be reproduced in any way without written consent from Kingspan.</p> <p>www.kingspanpanels.com.nz</p> 
Deflection head detail	NTS	
Application	Dwg. No.	
K-Roc™ Firemaster Wall Panel - Vertically Laid	Rev.	
	K-FM V 09a	C

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



<i>Dwg. Title</i> Deflection head detail - Continued	<i>Scale</i> NTS	<div> <div> 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. </div> <div>  </div> </div>
<i>Application</i> K-Roc™ Firemaster Wall Panel - Vertically Laid	<i>Dwg. No.</i> K-FM V 09b	
	<i>Rev.</i> C	

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



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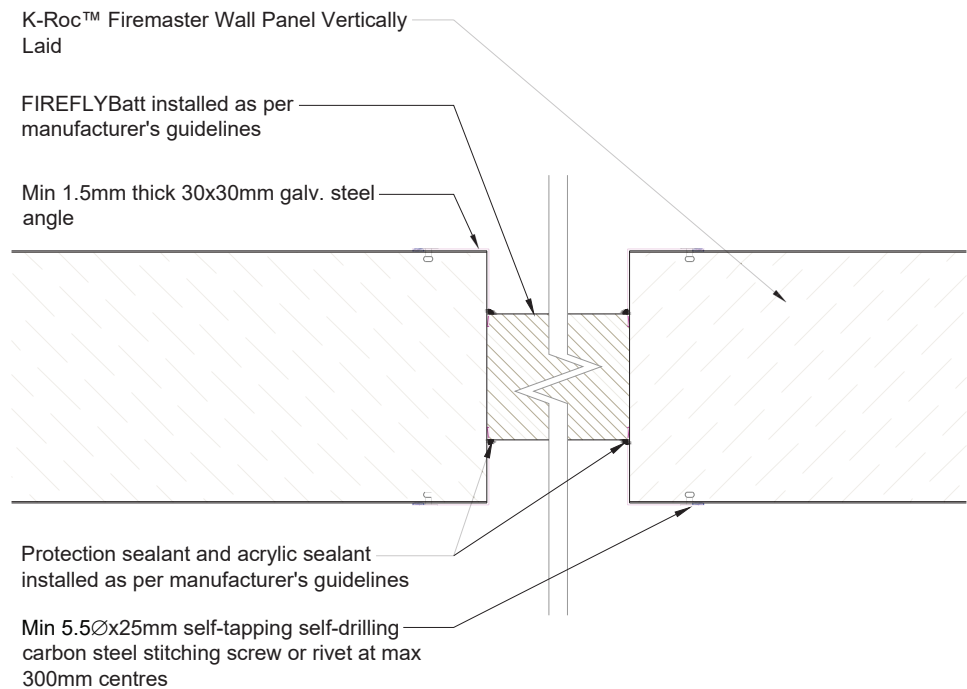
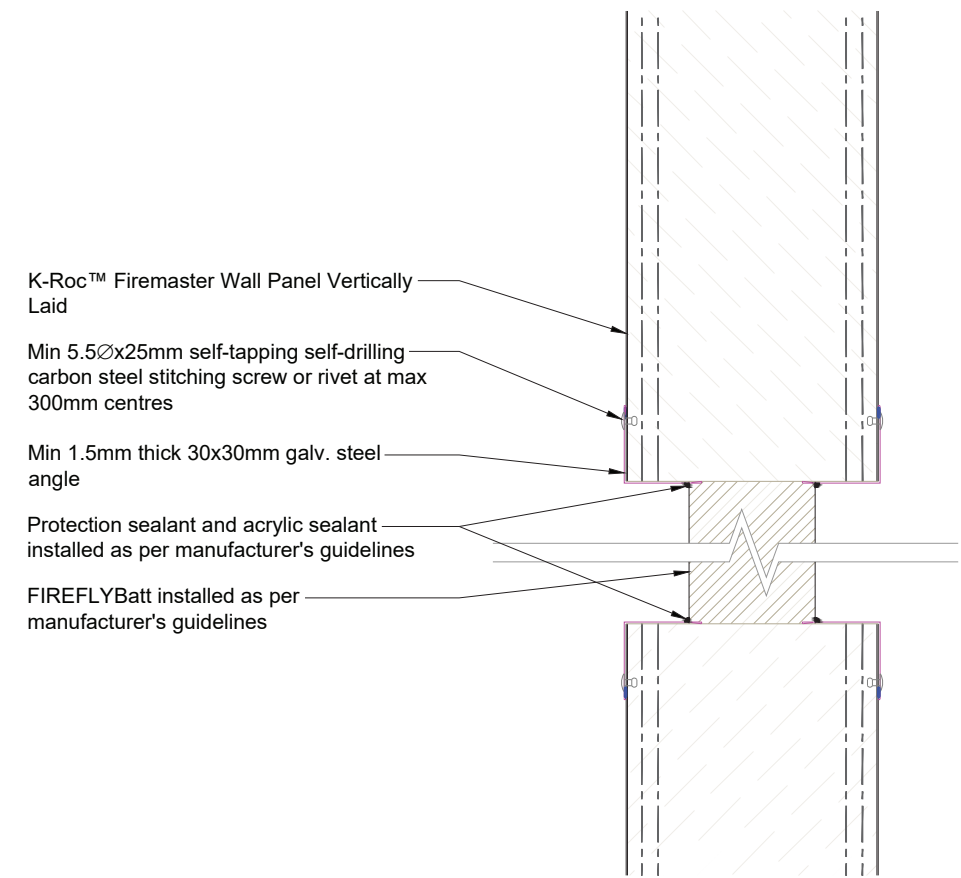
Dwg. Title		Scale
Personnel door details (Head and Jamb)		NTS
Application	Dwg. No.	Rev.
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 10a	A

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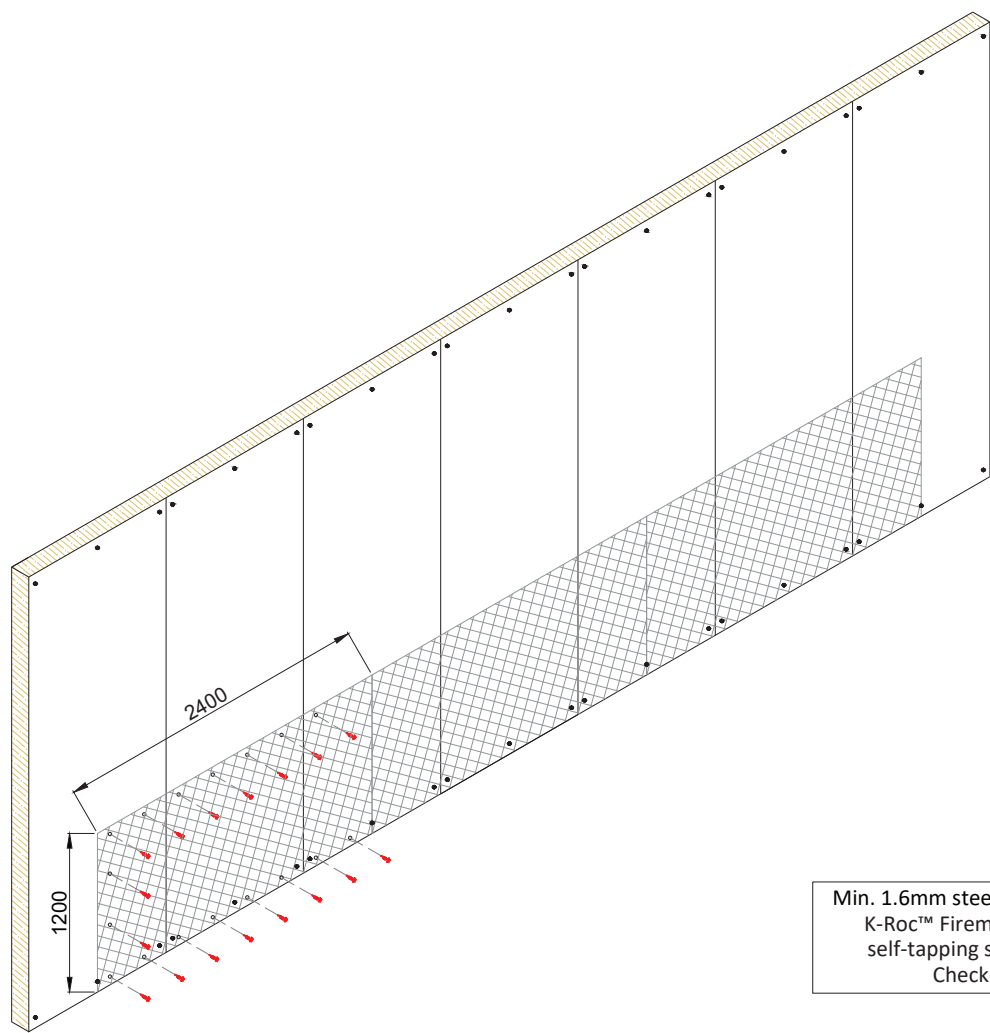
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Penetration details		NTS		
Application	Dwg. No.	Rev.		
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 10b	A		

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



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.	Rev.
K-Roc™ Firemaster Wall Panel - Vertically Laid	K-FM V 11a	C

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