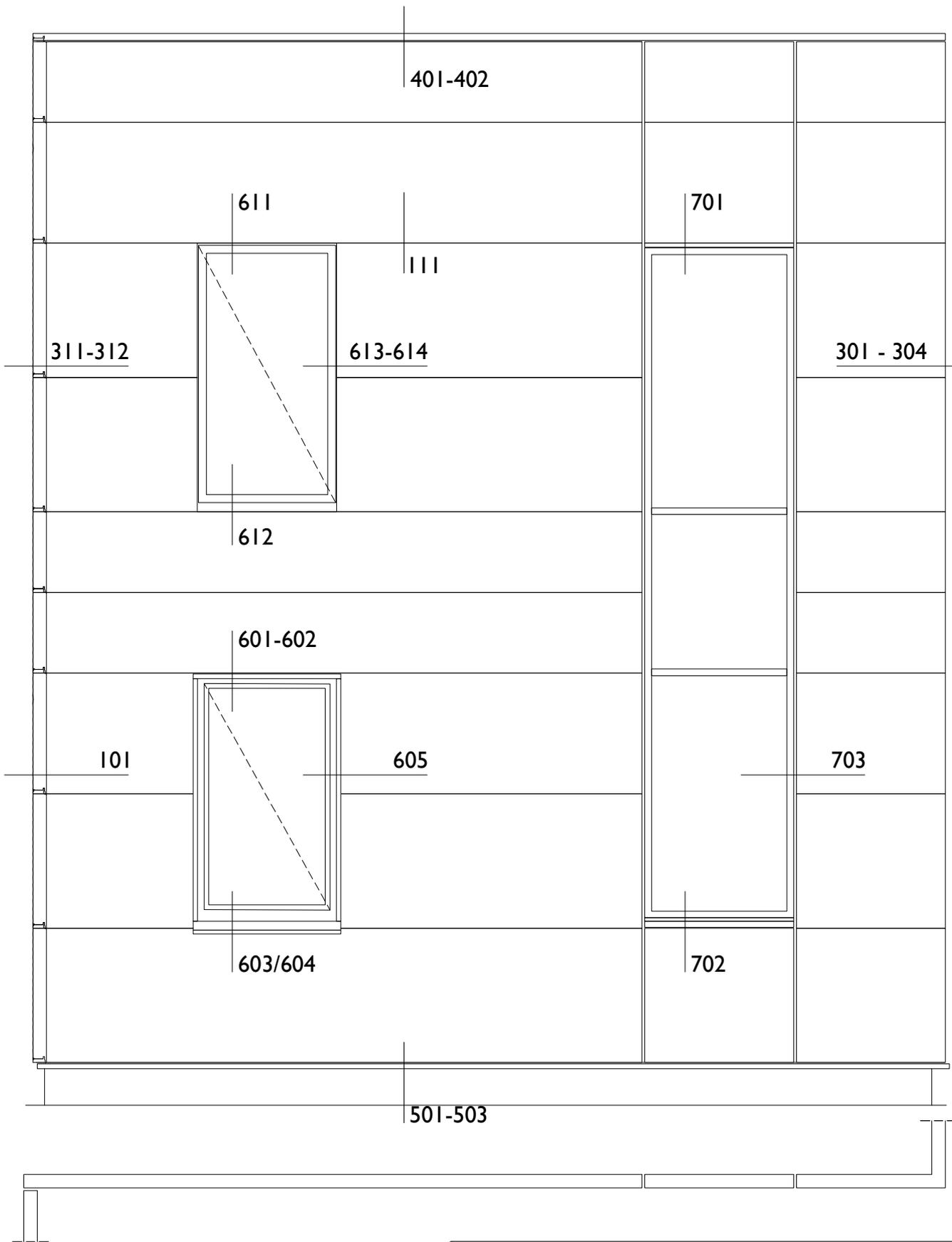


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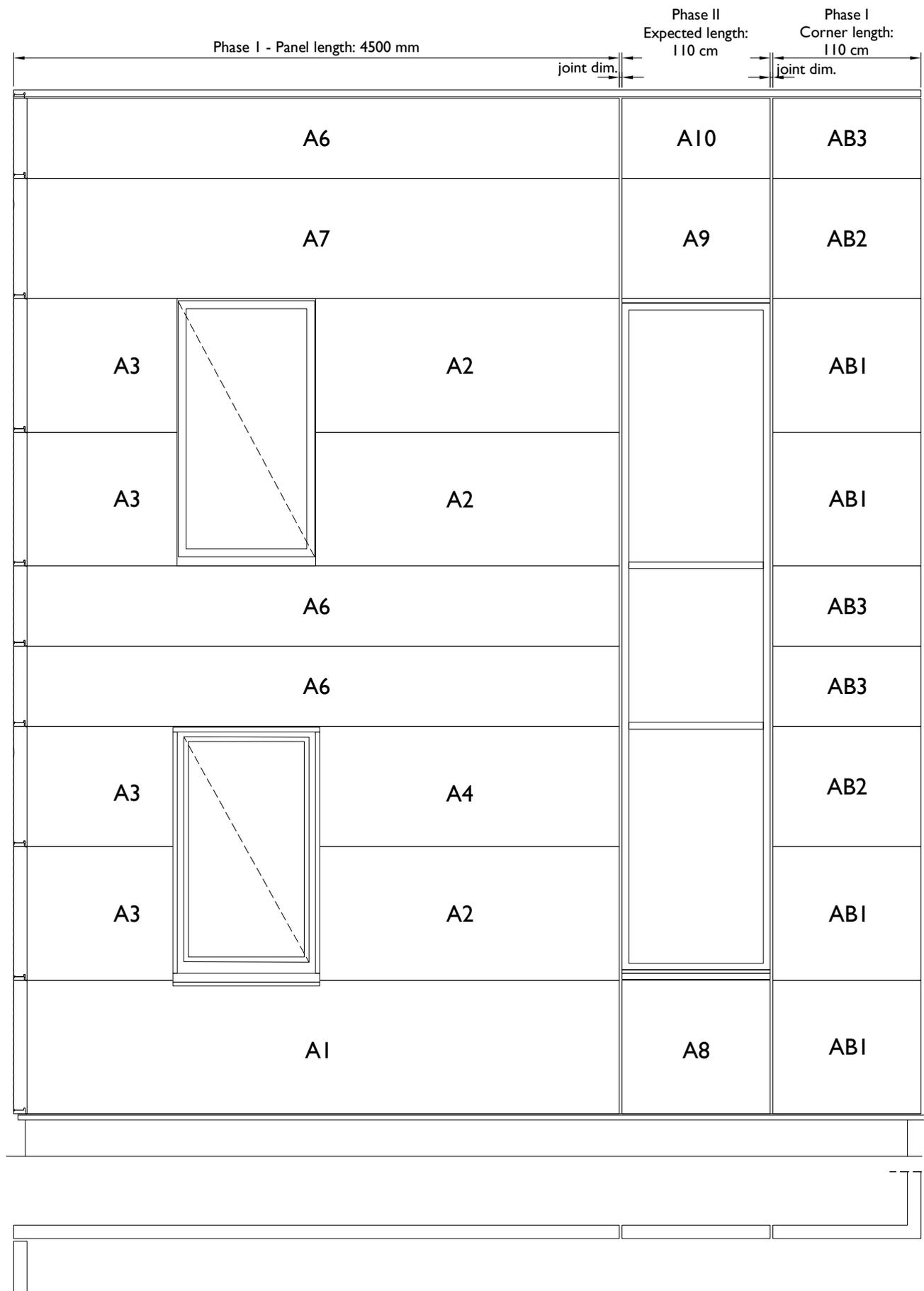
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Project: General Construction Details		Kingspan Facades Europe	
System: Evolution			
Drawing Title: Facade layout		www.kingspanfacades.com	
Drawn By: MS	Date: 2015-09-25		
Drawing N.: KF-EVO-001-xxxx-04	Rev: AH	© Kingspan 2014	



A1- panel reference
 A- facade
 I- dimensions
 AB1- corner reference
 AB- facades
 I- dimensions

Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		www.kingspanfacades.com	
Drawing Title: Facade layout - order form example		© Kingspan 2014	
Drawn By: BB	Date: 2015-09-25		
Drawing N.: KF-EVO-002-xxxx-04	Rev: AH		

Reveal 0 mm

Module width (M) 1000

Backing tray
IPN core
Top sheet

D
80/100/120/150

Factory applied gasket

Reveal 0 mm

Module width (M) 900

D
80/100/120/150

Reveal 0 mm

Module width (M) 600

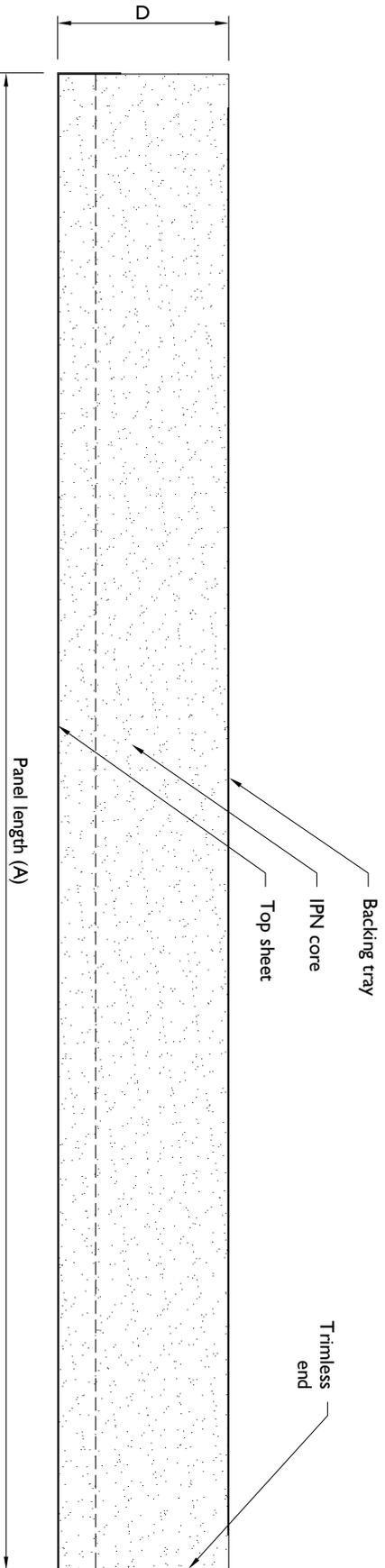
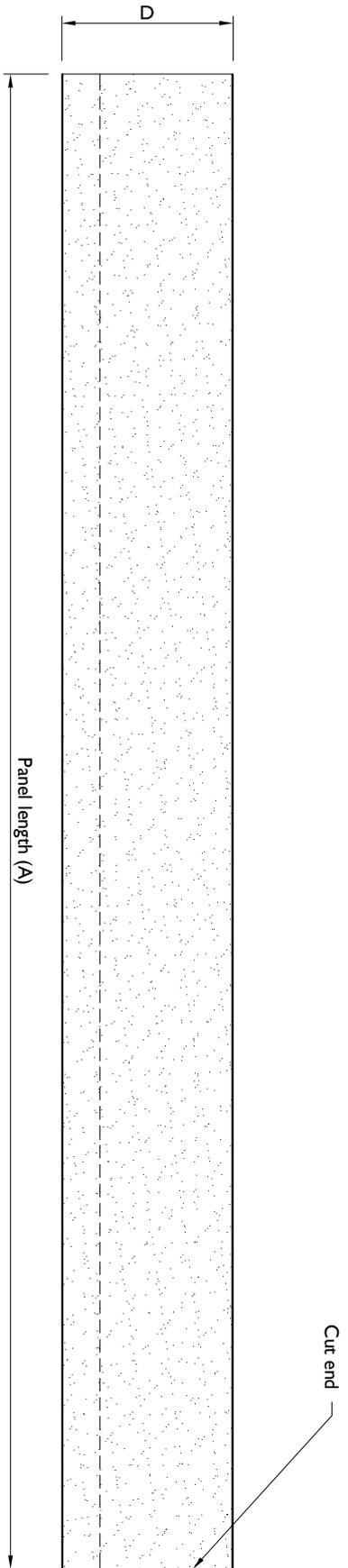
D
80/100/120/150

Reveal 10/20/50 mm

M 600/900/1000



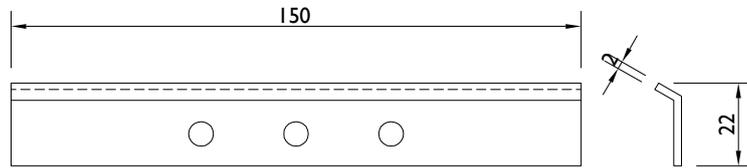
Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		www.kingspanfacades.com	
Drawing Title: Vertical section		© Kingspan 2014	
Drawn By: BB	Date: 2015-09-25		
Drawing N.: KF-EVO-101-xxxx-04	Rev: AH		



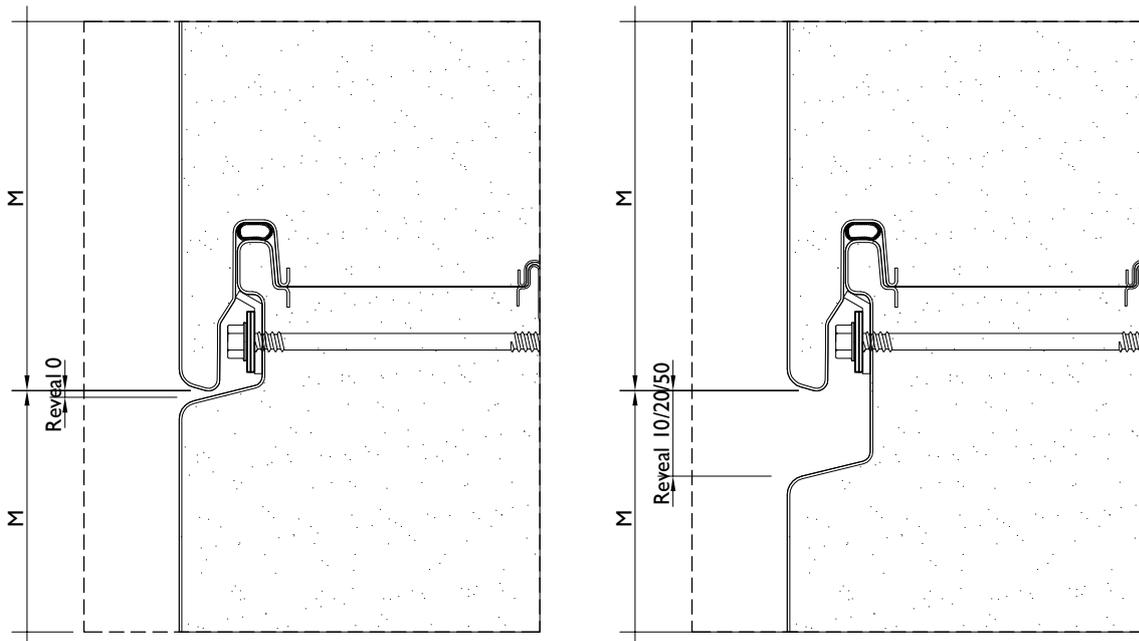
Project: General Construction Details	
System: Evolution	Kingspan Facades Europe
Drawing Title: Horizontal section	
Drawn By: BB	Date: 2015-09-25
Drawing N.: KF-EVO-111-xxxx-04	Rev: AH

www.kingspanfacades.com
© Kingspan 2014





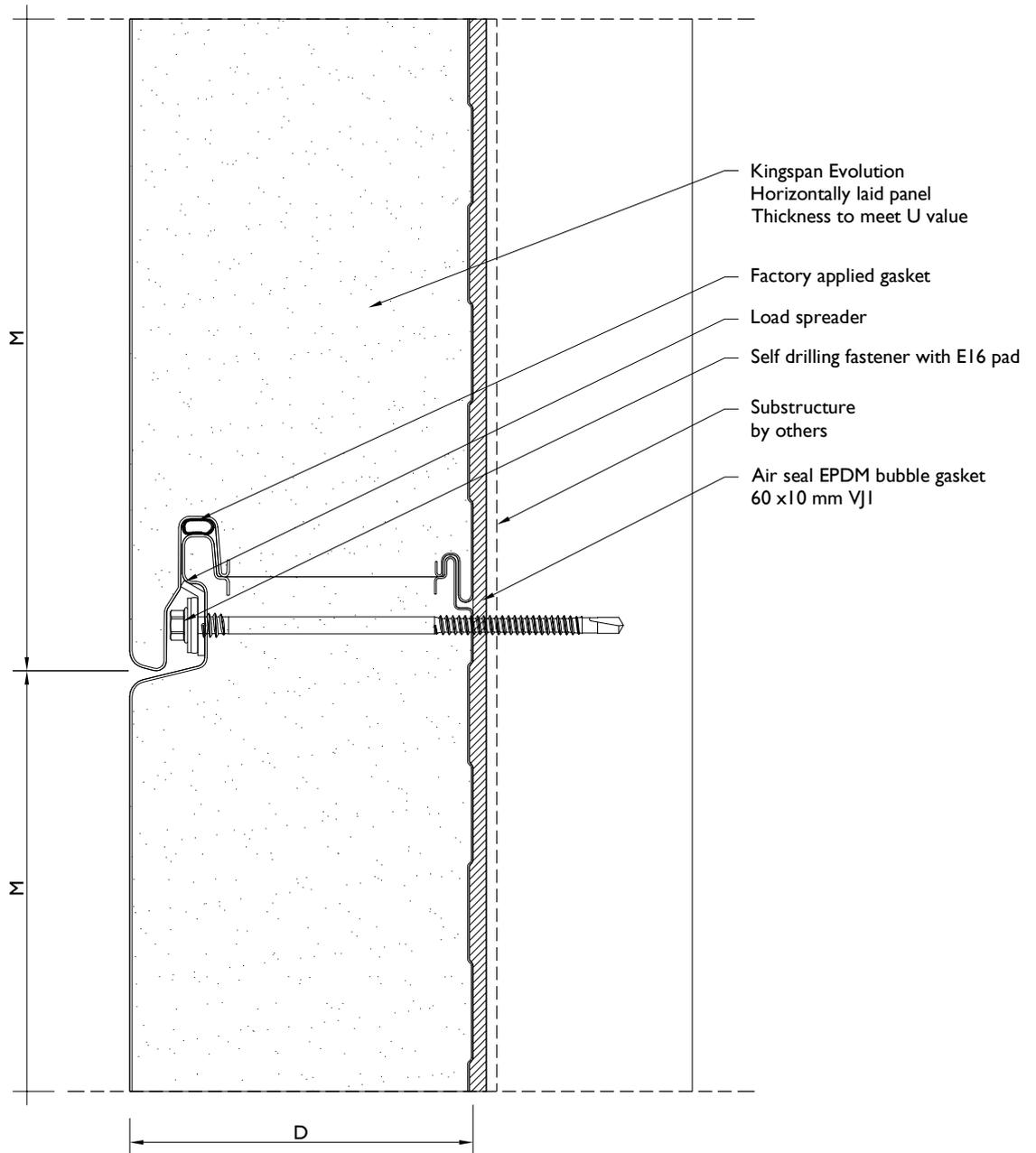
Load Spreader
Usage depends on statical calculation.



Application of Load Spreader



Project: General Construction Details		Kingspan Facades Europe	
System: Evolution			
Drawing Title: Load spreader		www.kingspanfacades.com	
Drawn By: BB	Date: 2015-09-25		
Drawing N.: KF-EVO-121-xxxx-04	Rev: AH	© Kingspan 2014	

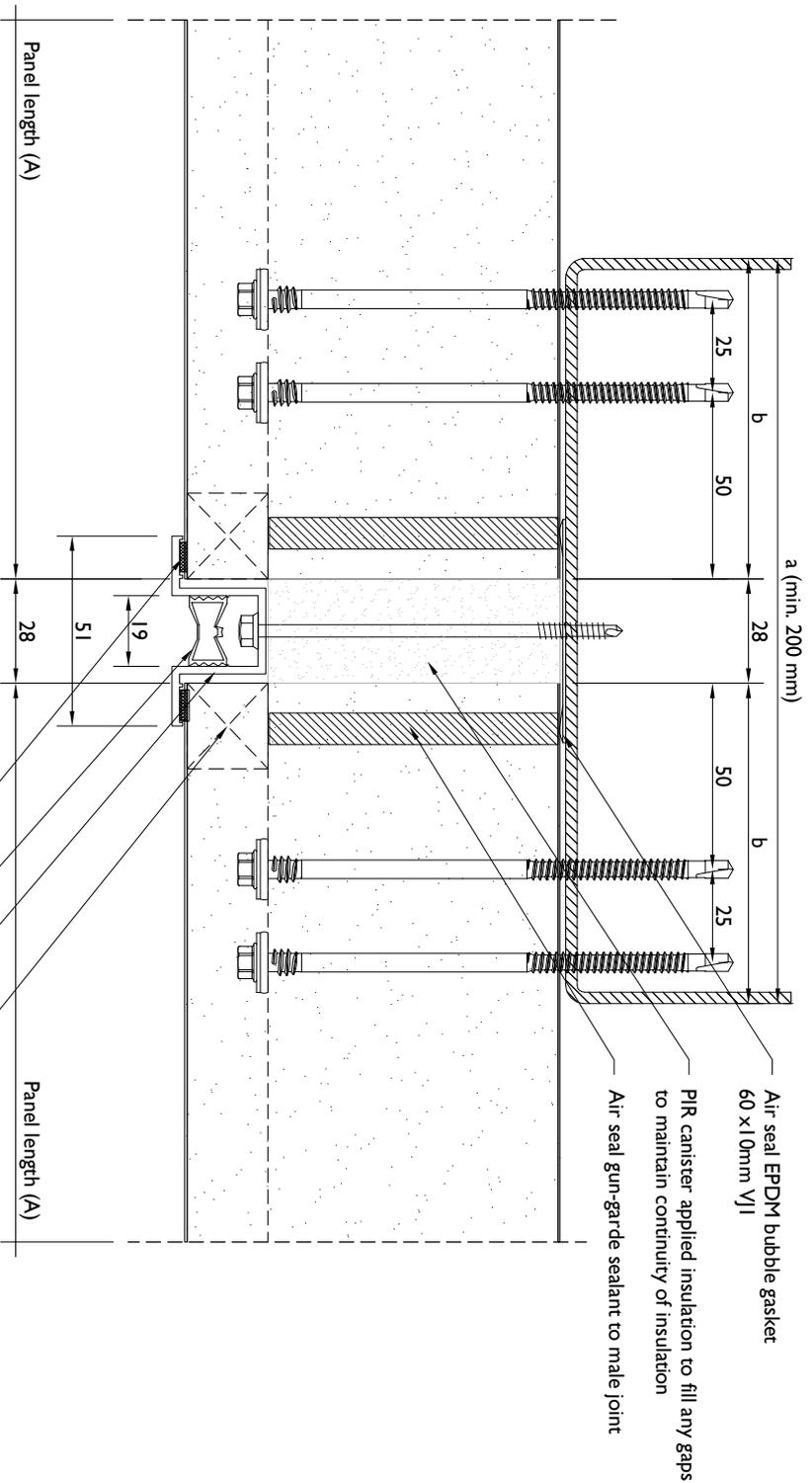


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This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		 Facades	
Drawing Title: Inline Black - horizontal joint			
Drawn By: MS	Date: 2019.03.13	www.kingspanfacades.com © Kingspan 2014	
Drawing N.: KF-EVO-201-xxxx-04	Rev: 00		



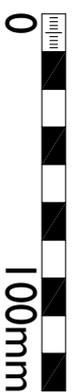


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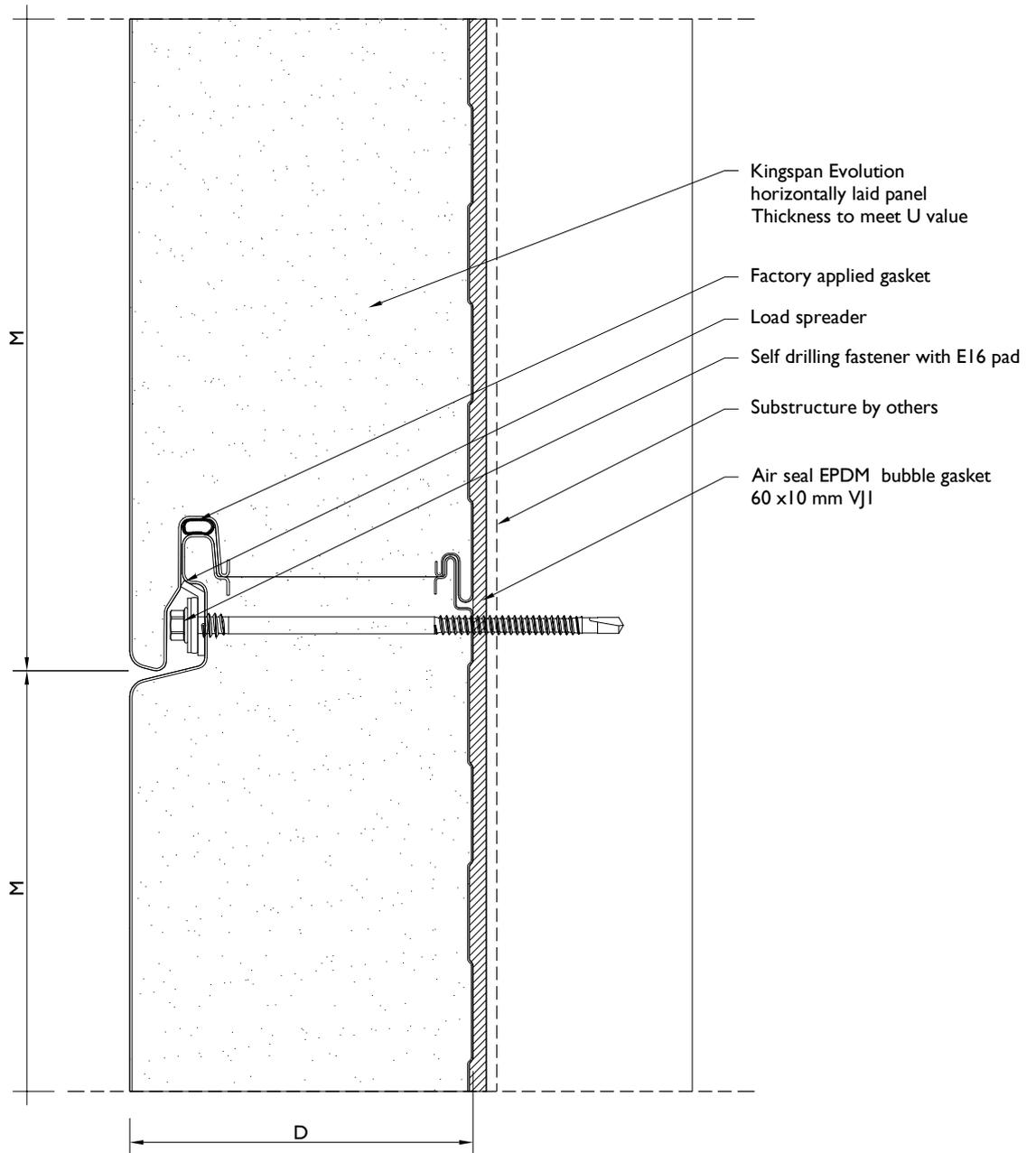
Note

a & b - according to structural/static requirements
 b - min. support width, 40 mm



Project: General Construction Details	Kingspan Facades Europe
System: Evolution	
Drawing Title: Inline Back- vertical joint	
Drawn By: BB	Date: 25.09.2015
Drawing N.: KF-EVO-202-xxxx-04	Rev: AH

www.kingspanfacades.com
 © Kingspan 2014

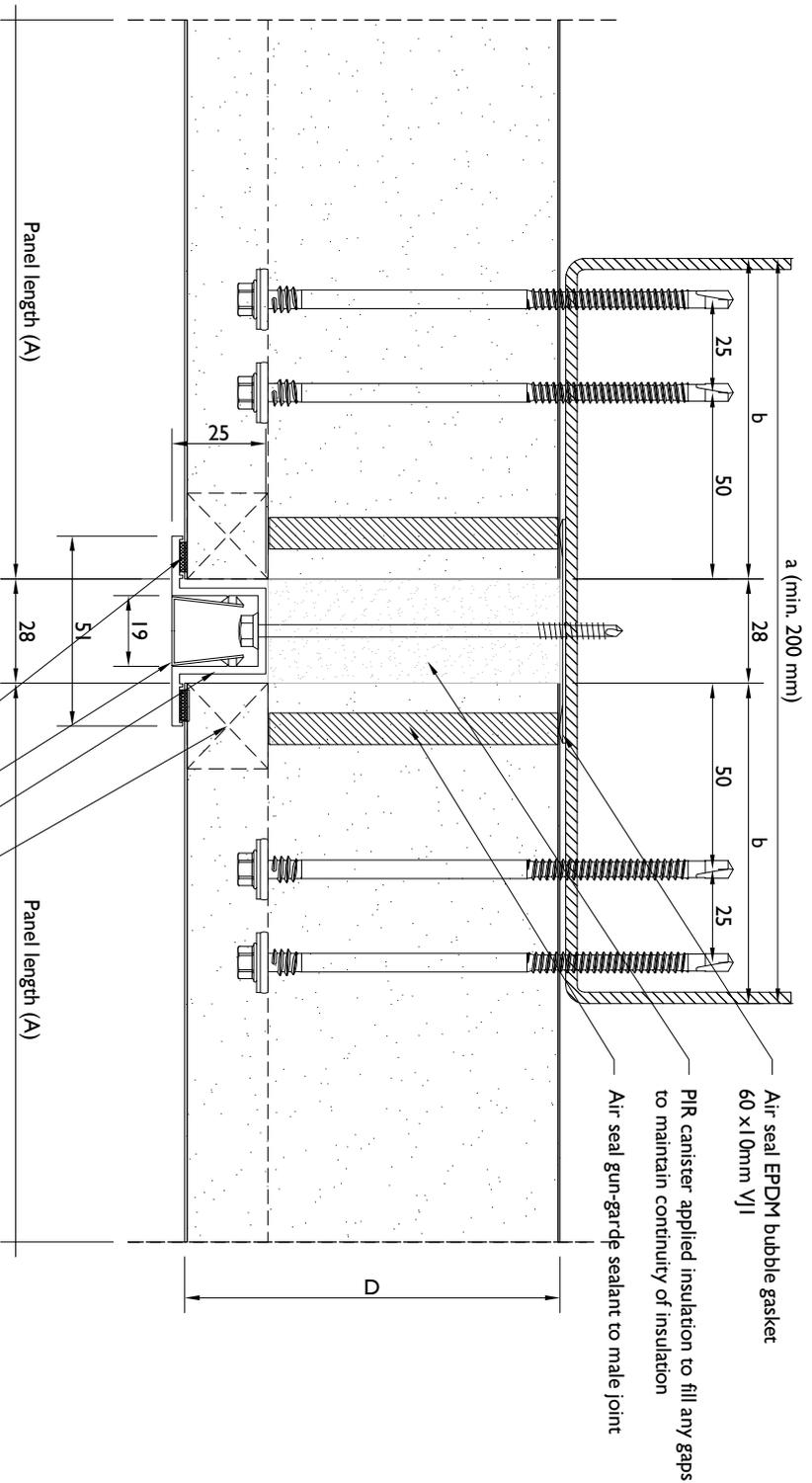


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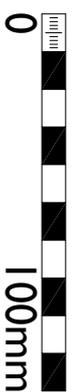
This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		 Facades	
Drawing Title: Inline Silver - horizontal joint			
Drawn By: BB	Date: 25.09.2015	www.kingspanfacades.com © Kingspan 2014	
Drawing N.: KF-EVO-211-xxxx-04	Rev: AH		





- Panel length (A)
- Panel length (A)
- 4 mm dia sealing tape
- SP9 Snap in aluminium
- SP8 Aluminium top hat
- AWP joint filler and non setting gun grade sealant



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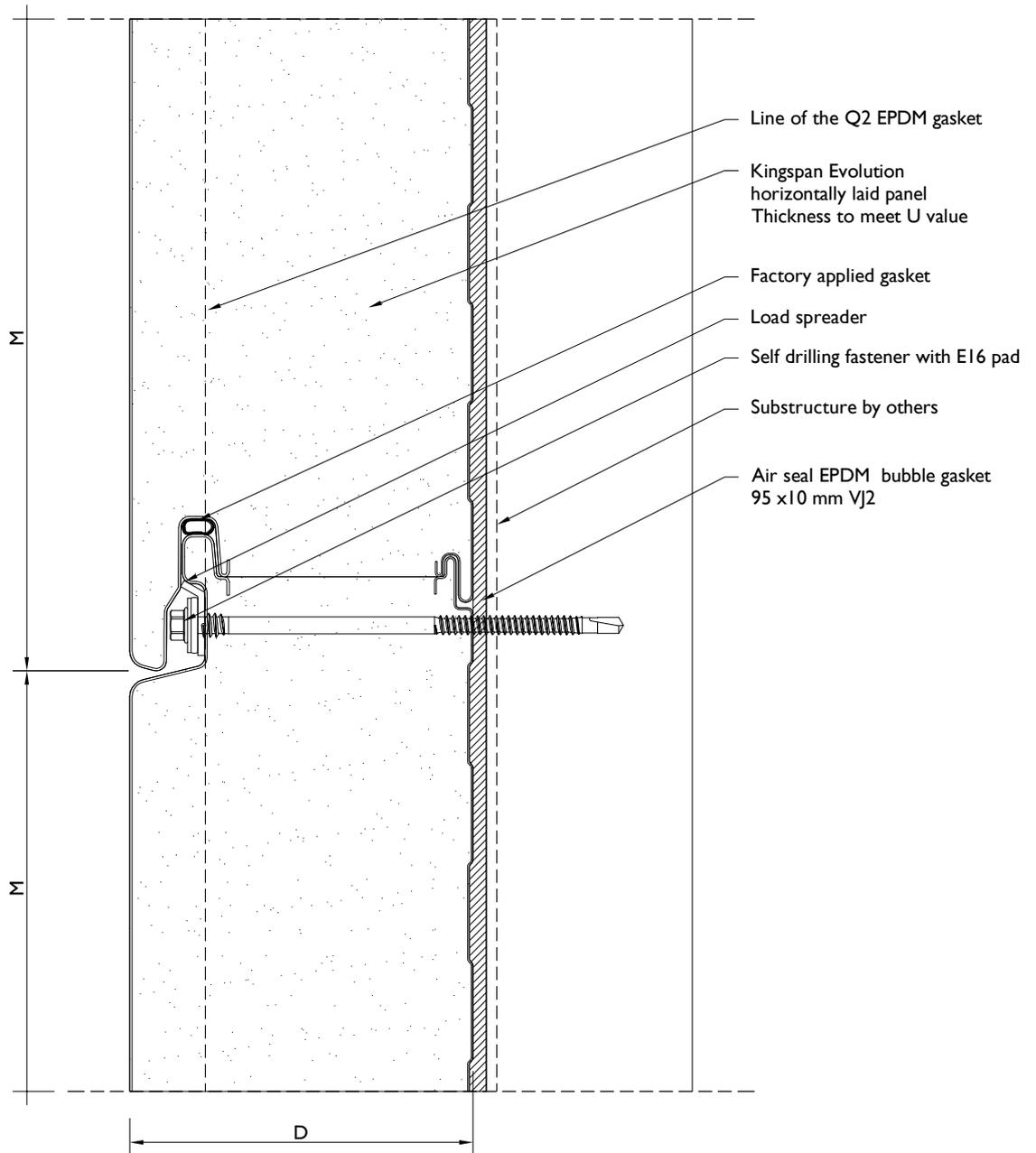
This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

Note

- a & b - according to structural/static requirements
- $a_{min} = 2 \times b + 28$
- b - min. support width, 40 mm

Project: General Construction Details	Kingspan Facades Europe
System: Evolution	
Drawing Title: Inline Silver - vertical joint	
Drawn By: BB	Date: 25.09.2015
Drawing N.: KF-EVO-222-xxxx-04	Rev: AH

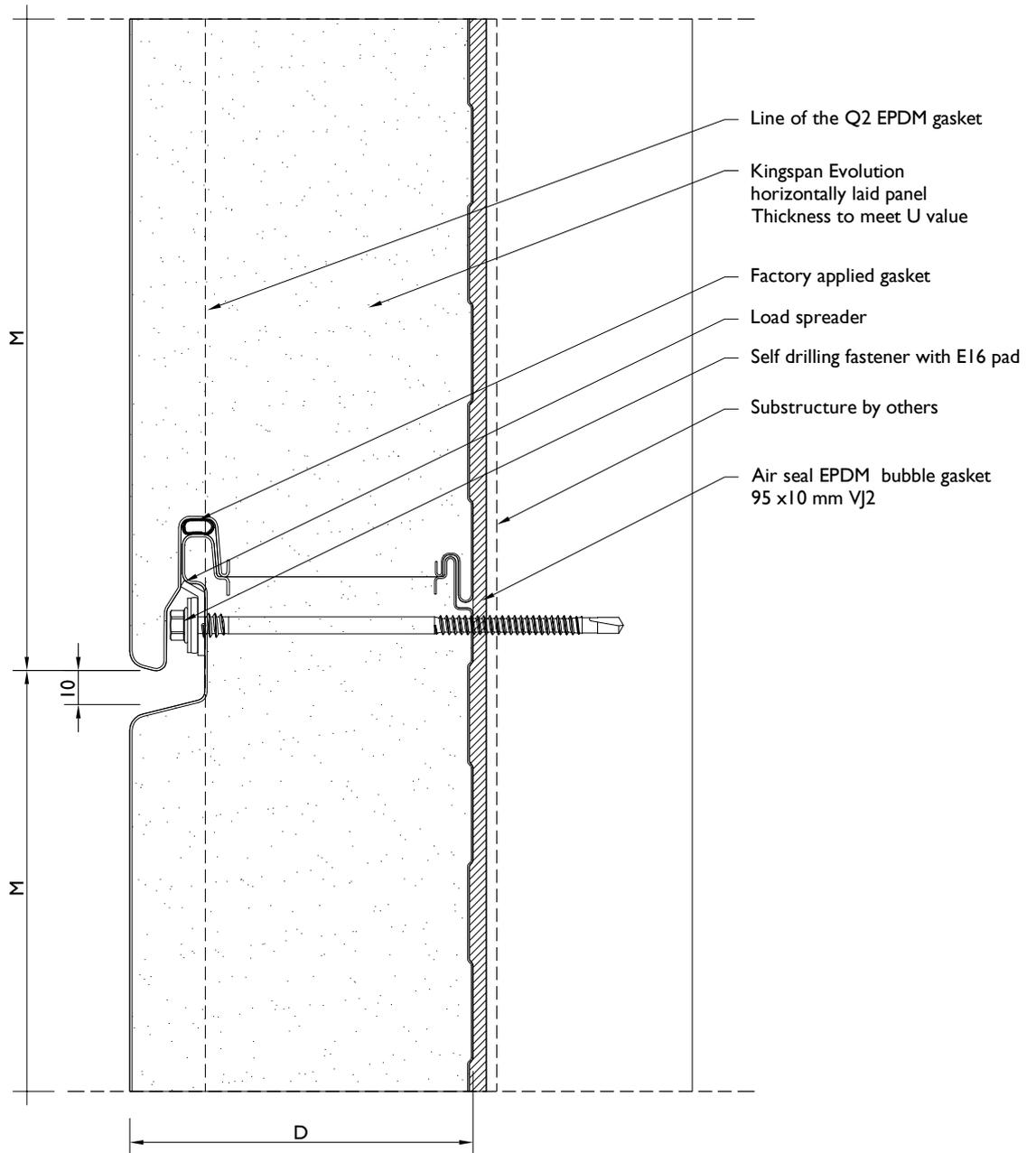
www.kingspanfacades.com
© Kingspan 2014



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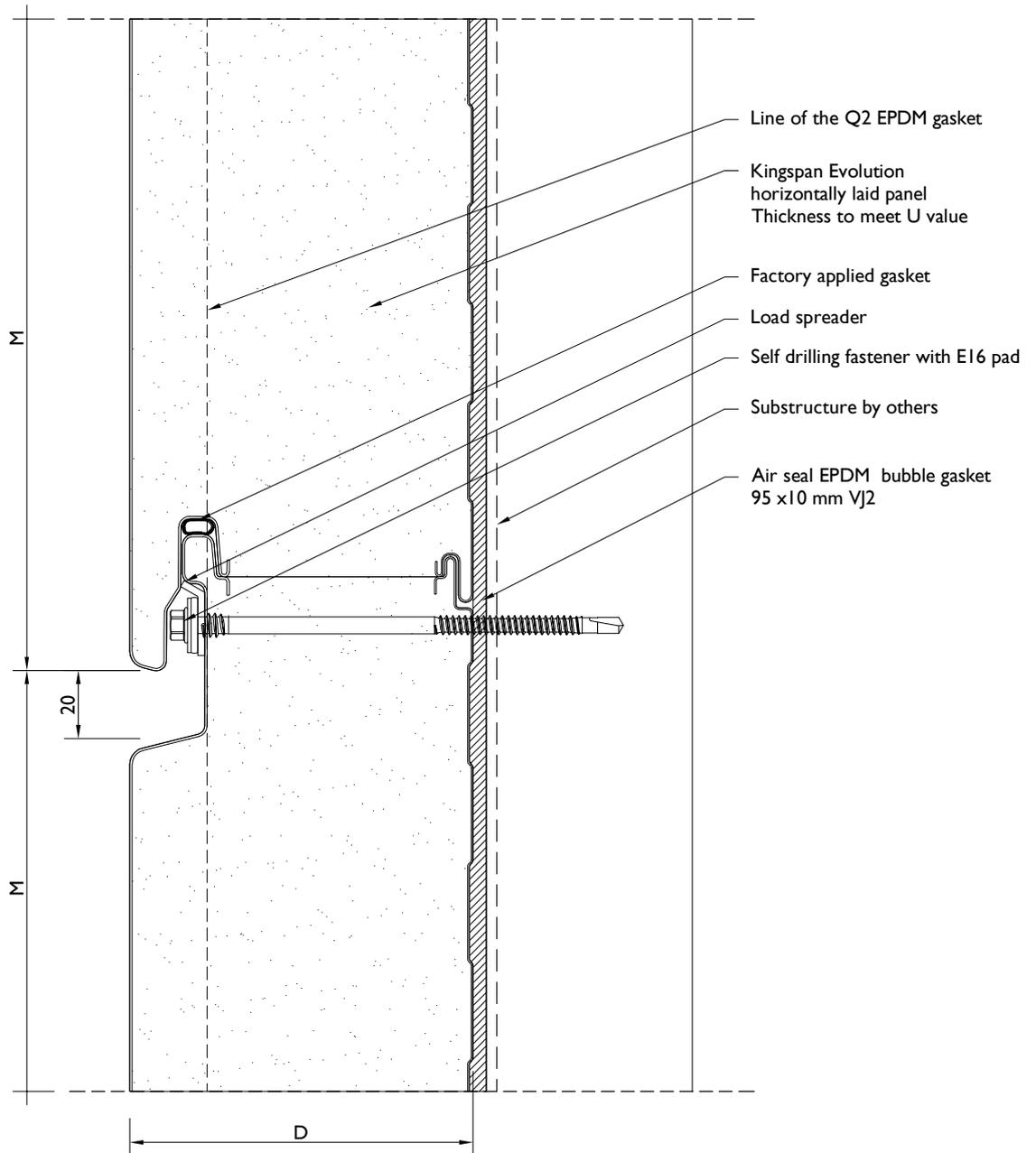
Project: General Construction Details		Kingspan Facades Europe
System: Evolution		 Facades
Drawing Title: Q2 Horizontal joint Reveal 0		
Drawn By: BB	Date: 21.12.2017	www.kingspanfacades.com © Kingspan 2014
Drawing N.: BEVOC-231-xxxx-04	Rev: AH	



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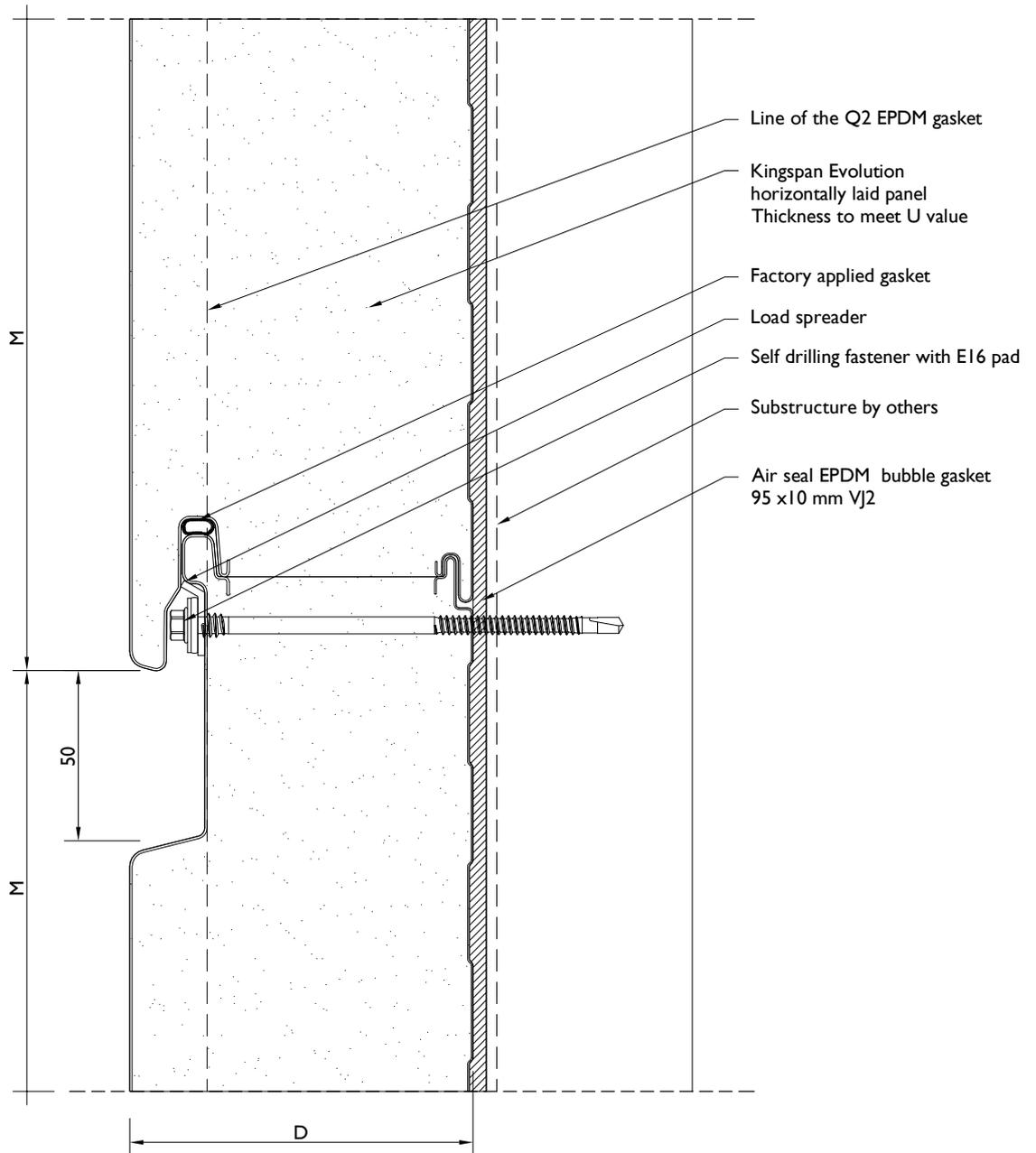
Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		 Facades	
Drawing Title: Q2 Horizontal joint Reveal 10			
Drawn By: BB	Date: 21.12.2017	www.kingspanfacades.com © Kingspan 2014	
Drawing N.: BEVOC-232-xxxx-04	Rev: AH		



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Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		 Facades	
Drawing Title: Q2 Horizontal joint Reveal 20			
Drawn By: BB	Date: 21.12.2017	www.kingspanfacades.com © Kingspan 2014	
Drawing N.: BEVOC-233-xxxx-04	Rev: AH		

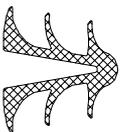
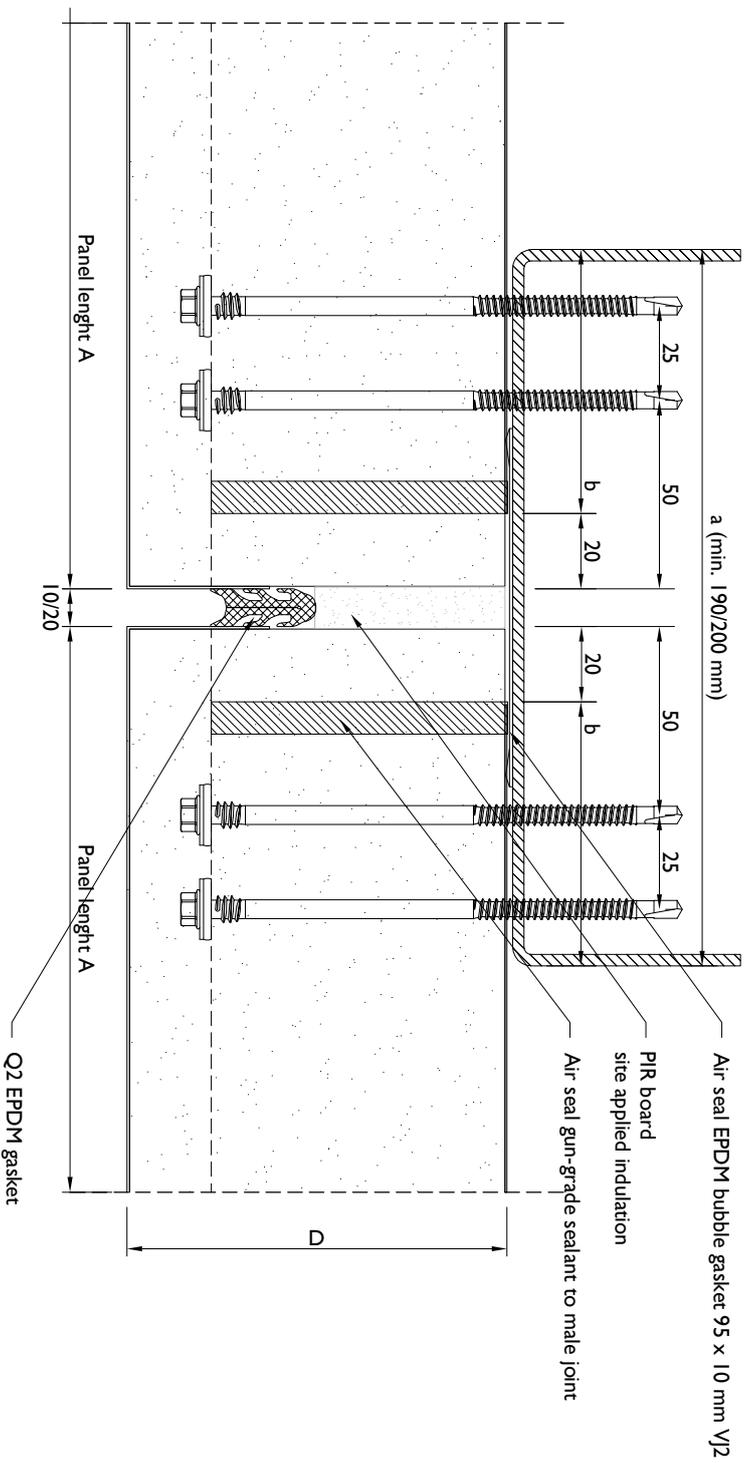


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Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		 Facades	
Drawing Title: Q2 Horizontal joint Reveal 50			
Drawn By: BB	Date: 21.12.2017	www.kingspanfacades.com © Kingspan 2014	
Drawing N.: BEVOC-234-xxxx-04	Rev: AH		





Push-in EPDM Gasket
for 10 mm joint

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Note

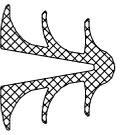
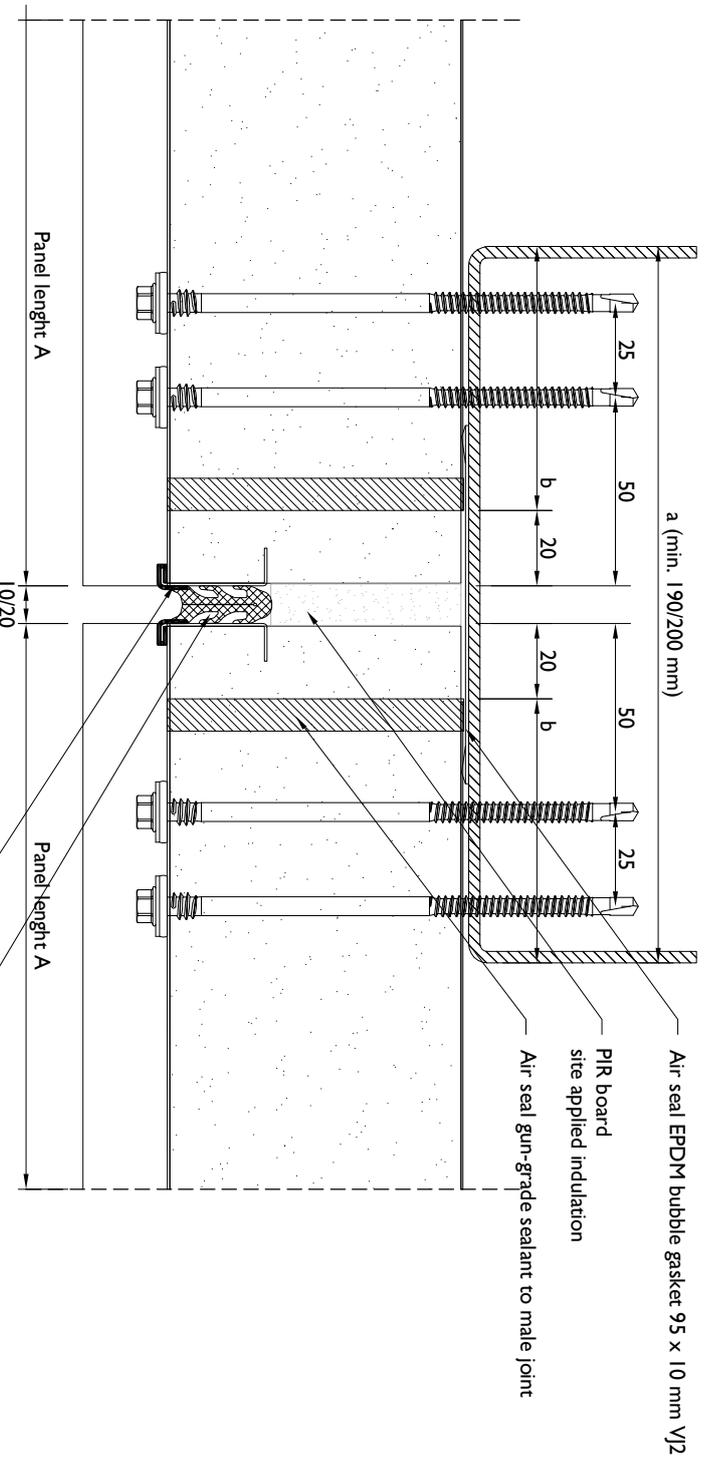
a & b - according to structural/static requirements

$$a_{min} = 2 \times b + \frac{50}{60}$$

b - min. support width, 40 mm



Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		www.kingspanfacades.com	
Drawing Title: Q2 Vertical joint		Facades	
Drawn By: BB	Date: 21.12.2017		
Drawing N.: BEVOC-235-xxxx-04	Rev: AH		



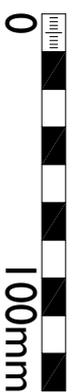
Push-in EPDM Gasket
for 10 mm joint

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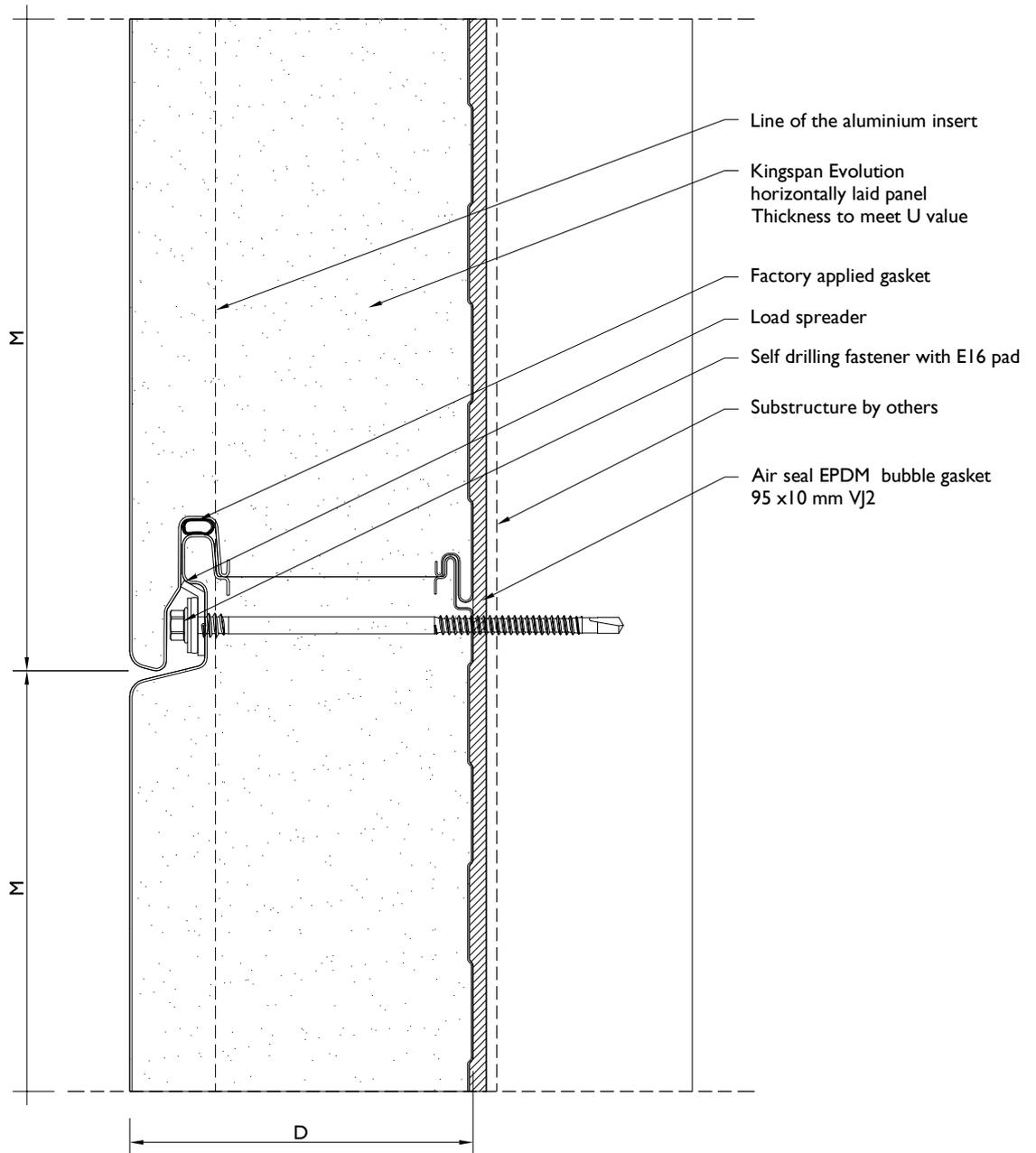
Note

- a & b - according to structural/static requirements
- $a_{min} = 2 \times b + 50/60$
- b - min. support width, 40 mm



Factory applied reveal adapter
to maintain continuity
of air- and watertightness,
except for reveal 0

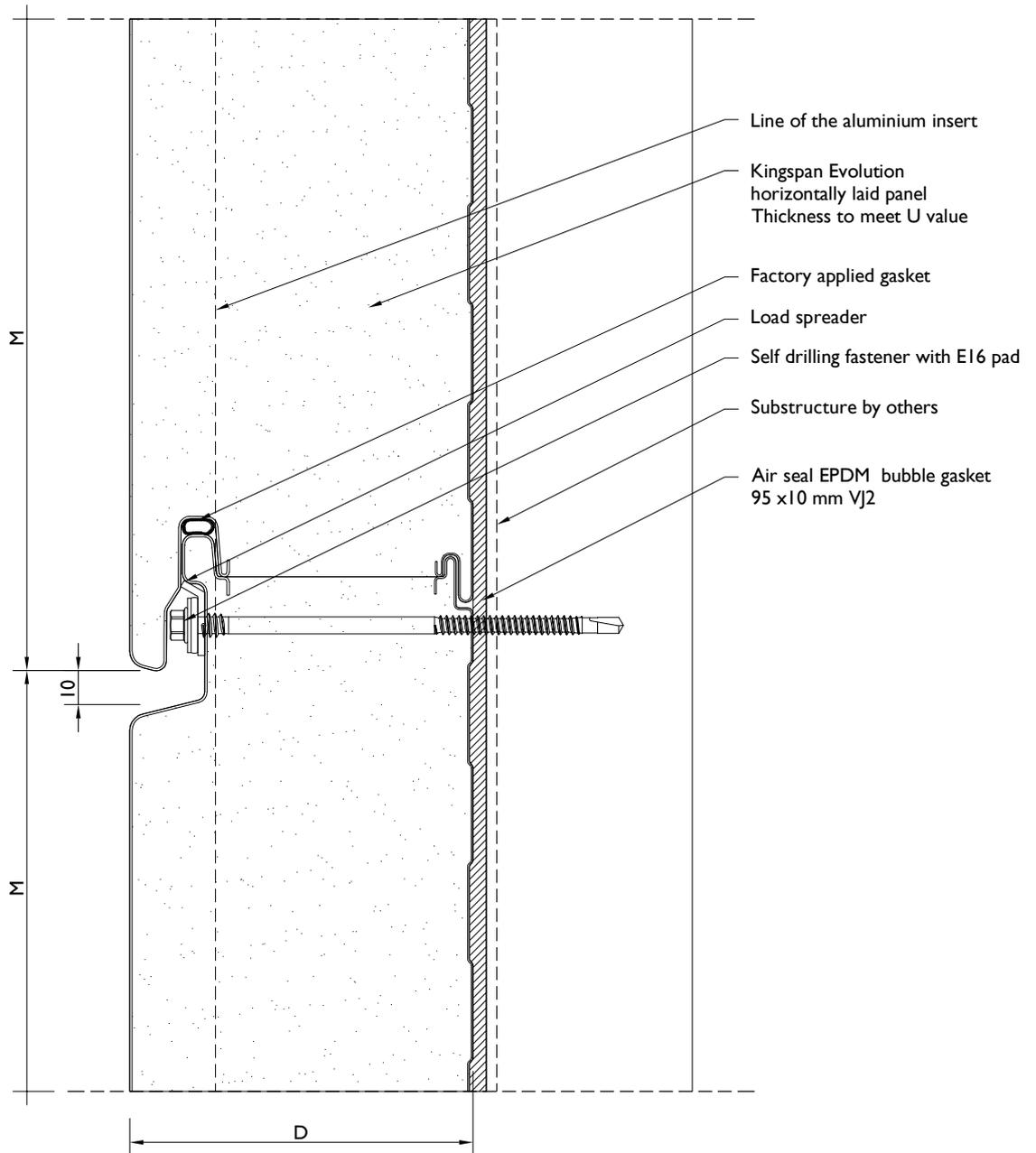
Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		www.kingspanfacades.com	
Drawing Title: Q2 Vertical joint with reveal adapter		© Kingspan 2014	
Drawn By: BB	Date: 2.1.2017		
Drawing N.: BEVOC-236-xxxx-04	Rev: AH		



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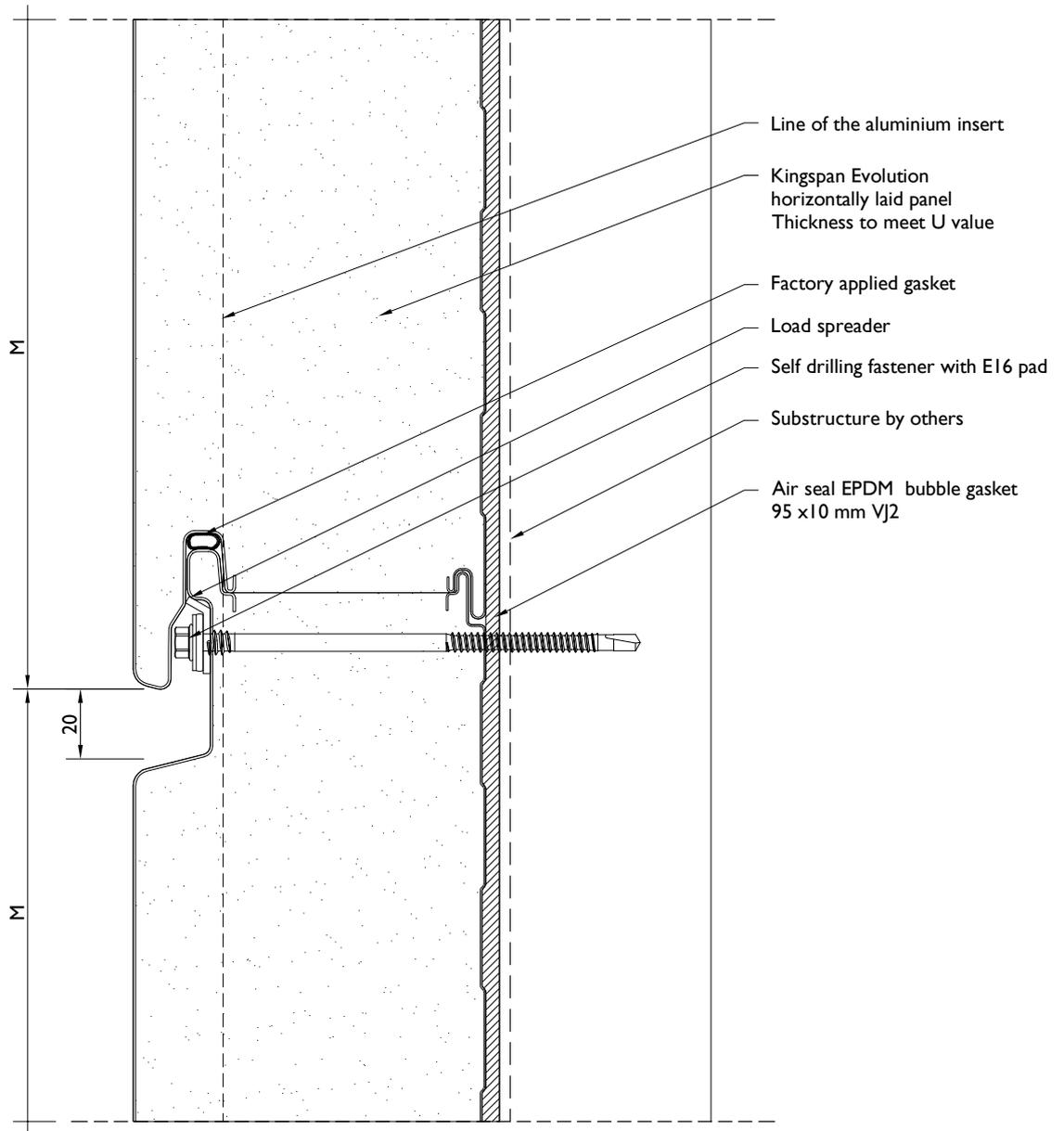
Project: General Construction Details		Kingspan Facades Europe
System: Evolution		 Facades
Drawing Title: Q2 Horizontal joint Reveal 0		
Drawn By: BB	Date: 21.12.2017	www.kingspanfacades.com © Kingspan 2014
Drawing N.: BEVOC-241-xxxx-04	Rev: AH	



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Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		 Facades	
Drawing Title: Q2 Horizontal joint Reveal 10			
Drawn By: BB	Date: 21.12.2017	www.kingspanfacades.com © Kingspan 2014	
Drawing N.: BEVOC-242-xxxx-04	Rev: AH		

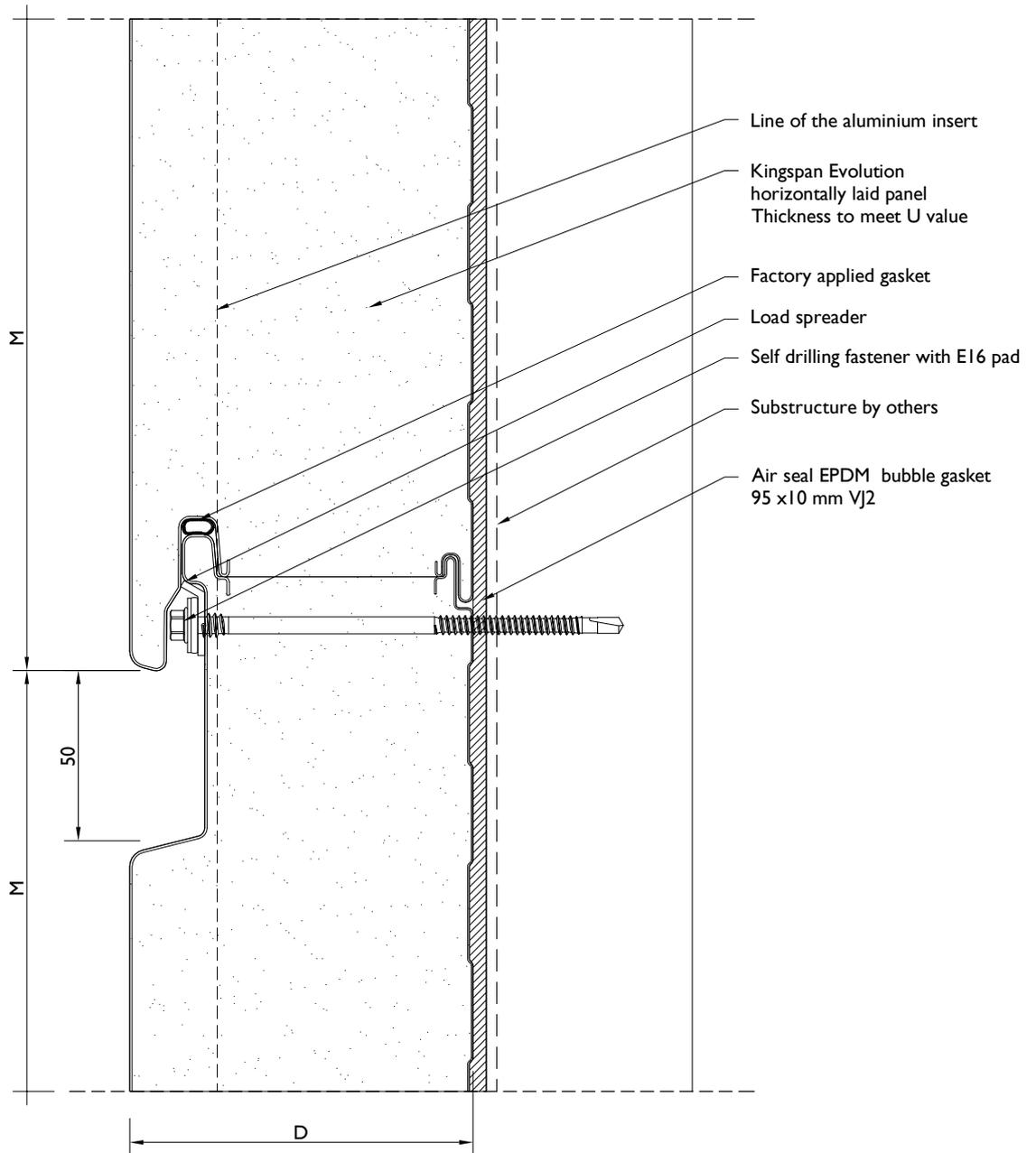


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This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

Project: General Construction Details		Kingspan Facades Europe
System: Evolution		 Facades
Drawing Title: Q2 Horizontal joint Reveal 20		
Drawn By: BB	Date: 2015-09-25	www.kingspanfacades.com © Kingspan 2014
Drawing N.: BEVOC-243-xxxx-04	Rev: AH	

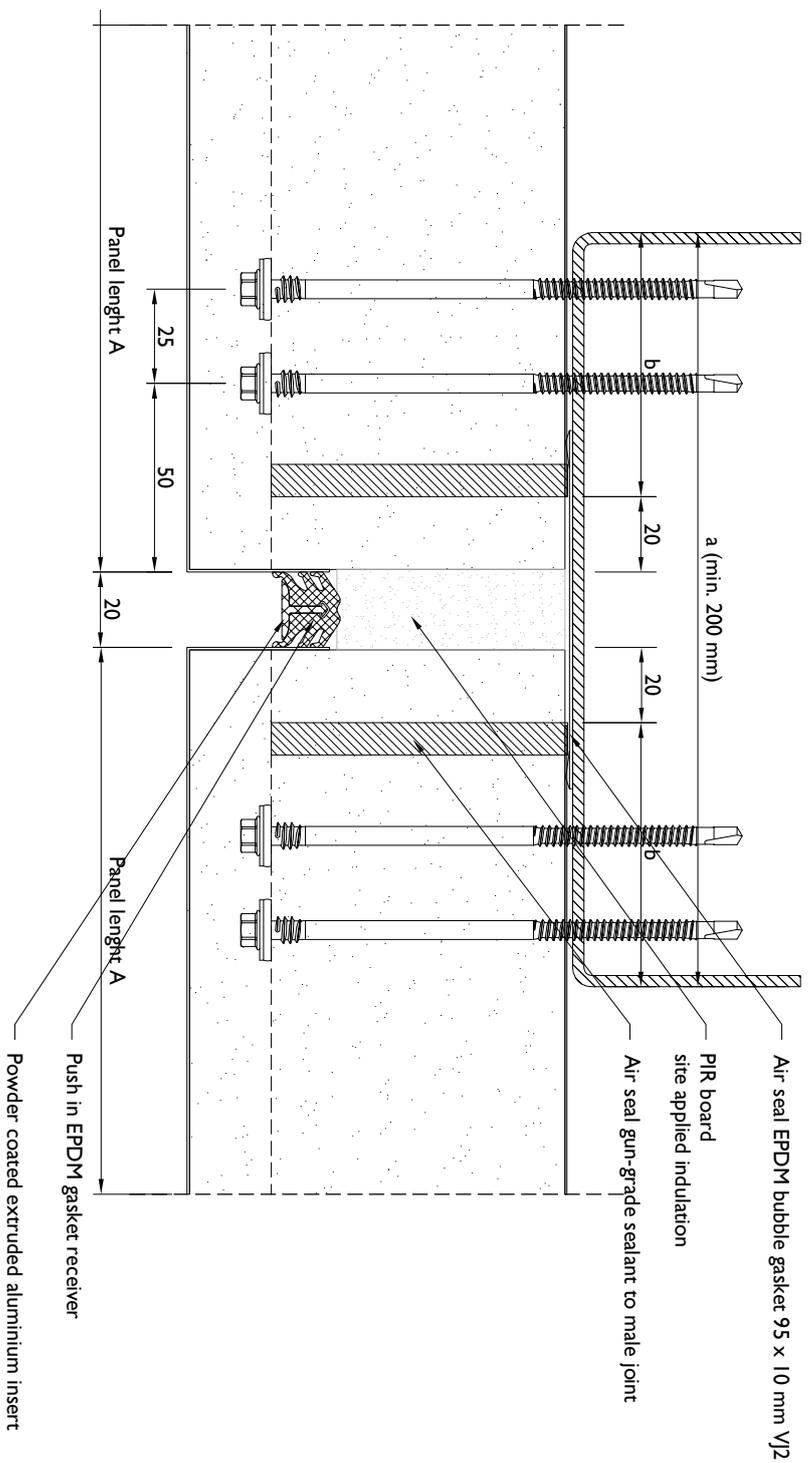




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Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		 Facades	
Drawing Title: Q2 Horizontal joint Reveal 50			
Drawn By: BB	Date: 2015-09-25	www.kingspanfacades.com © Kingspan 2014	
Drawing N.: BEVOC-244-xxxx-04	Rev: AH		



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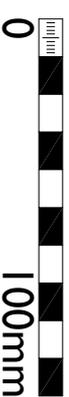
This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

Note

a & b - according to structural/static requirements

$a_{min} = 2 \times b + 60$

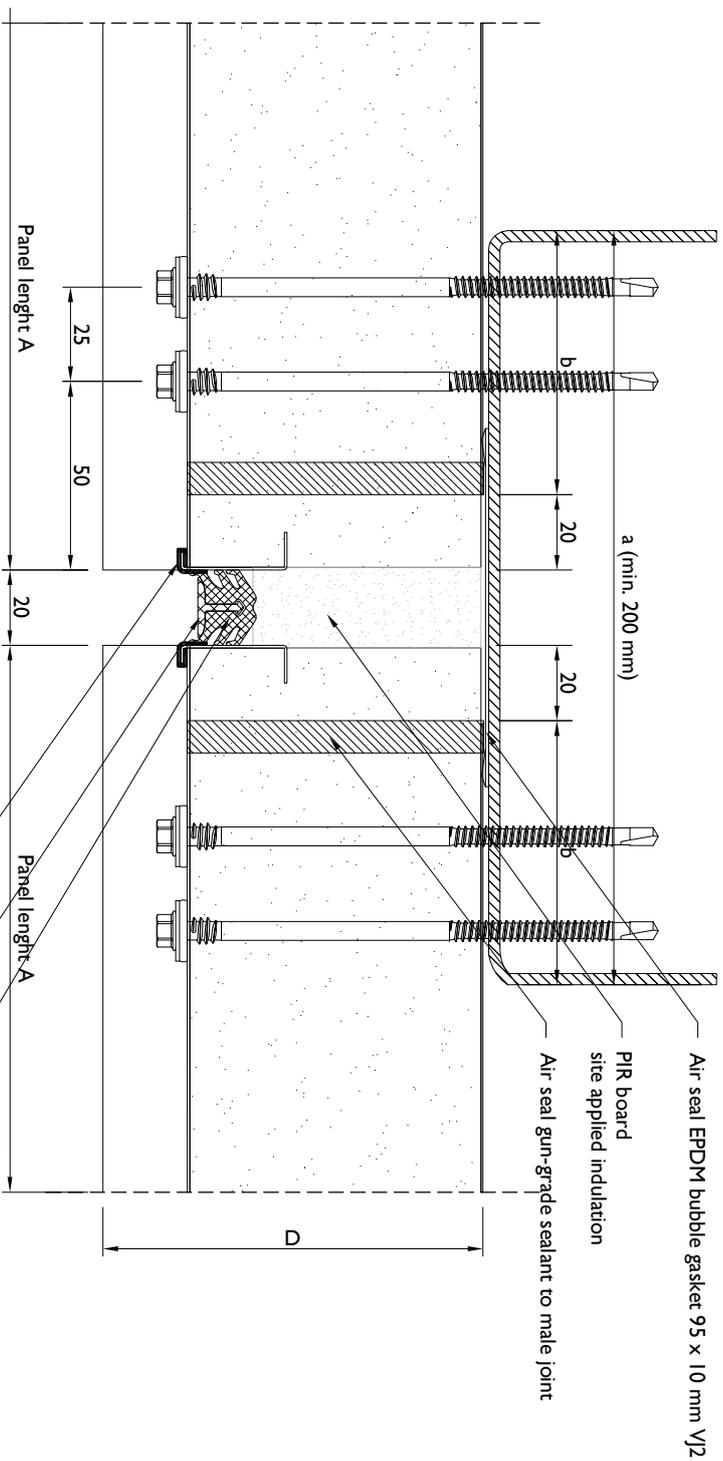
b - min. support width, 40 mm



Project: General Construction Details	Kingspan Facades Europe
System: Evolution	
Drawing Title: Q2A Vertical joint	
Drawn By: BB	Date: 2015-09-25
Drawing N.: BEVOC-245-xxxx-04	Rev: AH

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© Kingspan 2014





Factory applied reveal adapter to maintain continuity of air- and watertightness, except for reveal 0

Powder coated extruded aluminium insert

Push in EPDM gasket receiver



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Note

a & b - according to structural/static requirements

$a_{min} = 2 \times b + 60$

b - min. support width, 40 mm

Project: General Construction Details

System: Evolution

Drawing Title: Q2A Vertical joint with reveal adapter

Drawn By: BB

Date: 2015-09-25

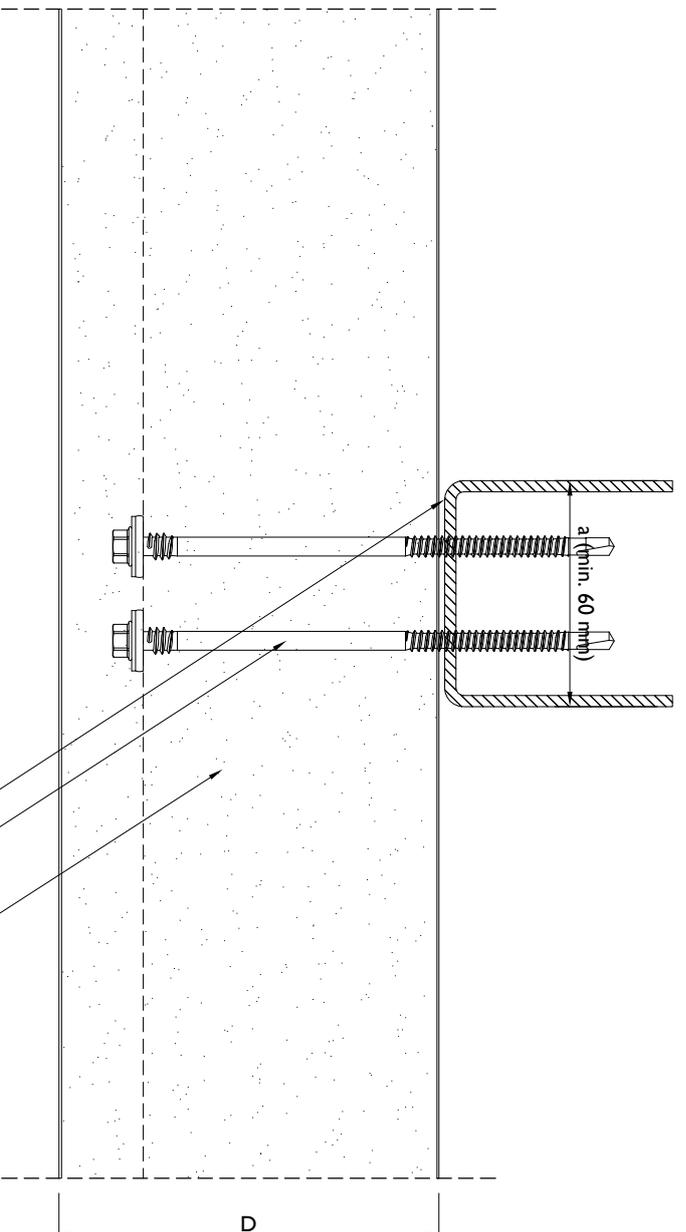
Drawing N.: BEVOC-246-xxxx-04

Rev: AH

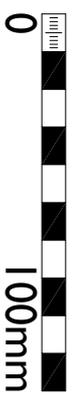
Kingspan Facades Europe

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Kingspan Evolution
 horizontally laid panel
 Thickness to meet U value
 Self drilling fastener
 Substructure by others



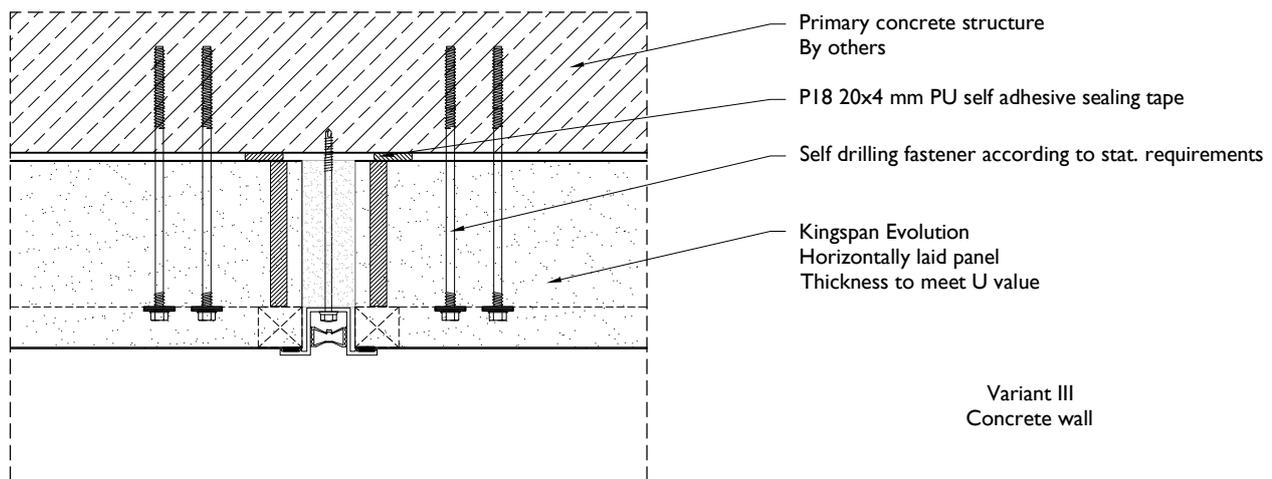
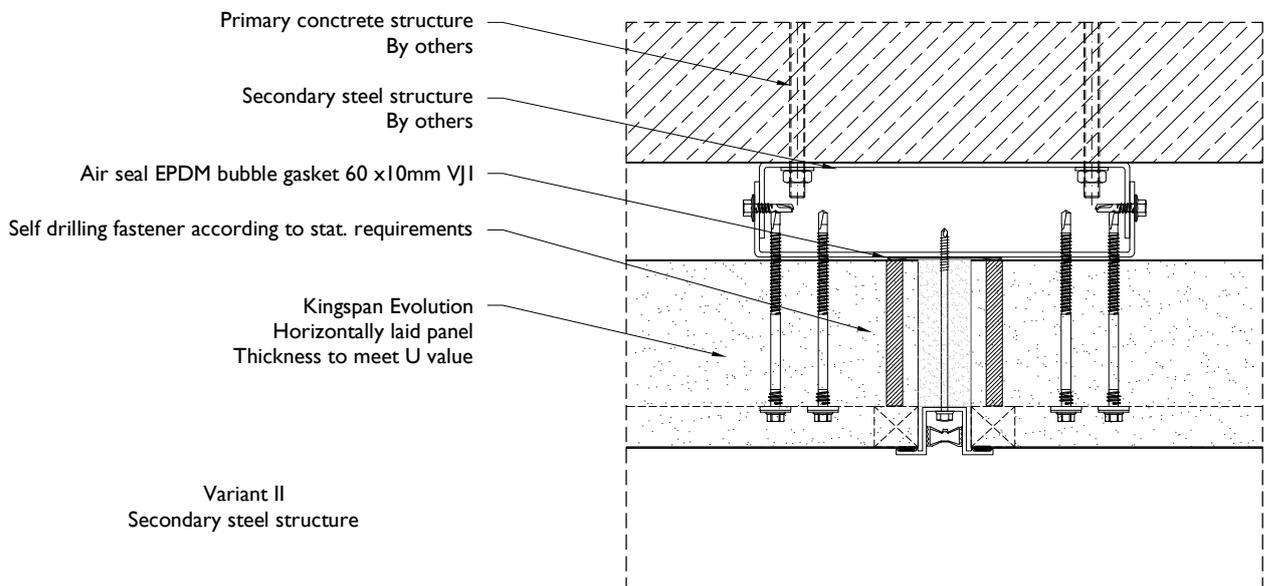
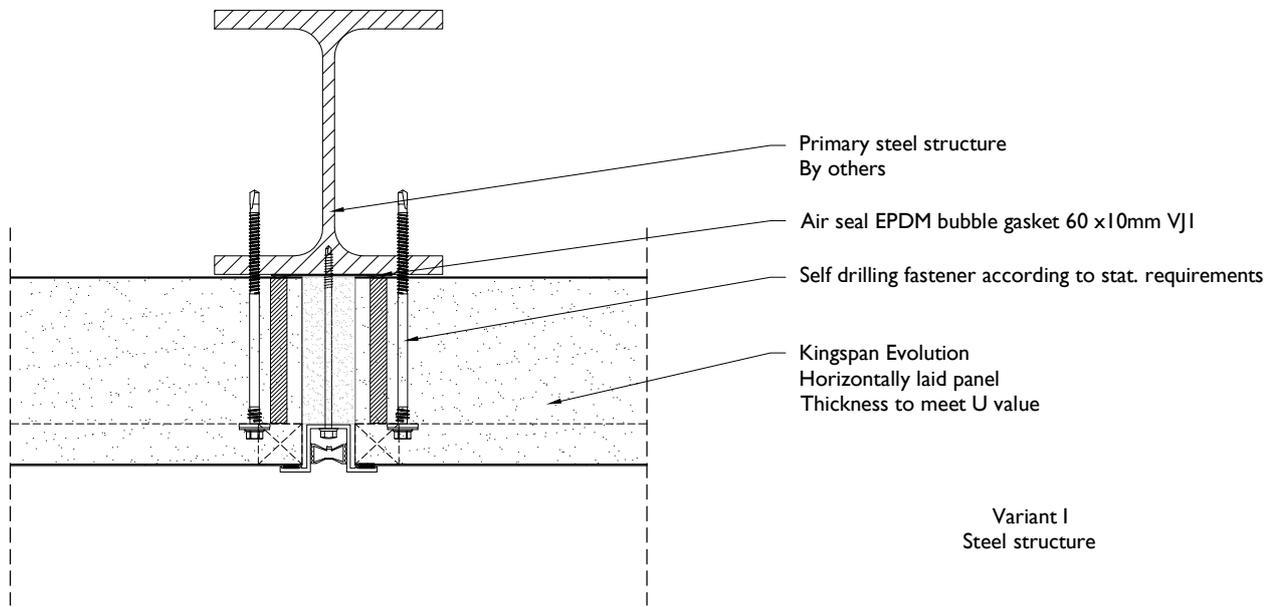
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Note
 a - according to structural/static requirements

Project: General Construction Details	Kingspan Facades Europe
System: Evolution	
Drawing Title: Intermediate support	
Drawn By: BB	Date: 21.12.2017
Drawing N.: KF-EVO-251-x-xxx-04	Rev: AH

www.kingspanfacades.com
 © Kingspan 2014



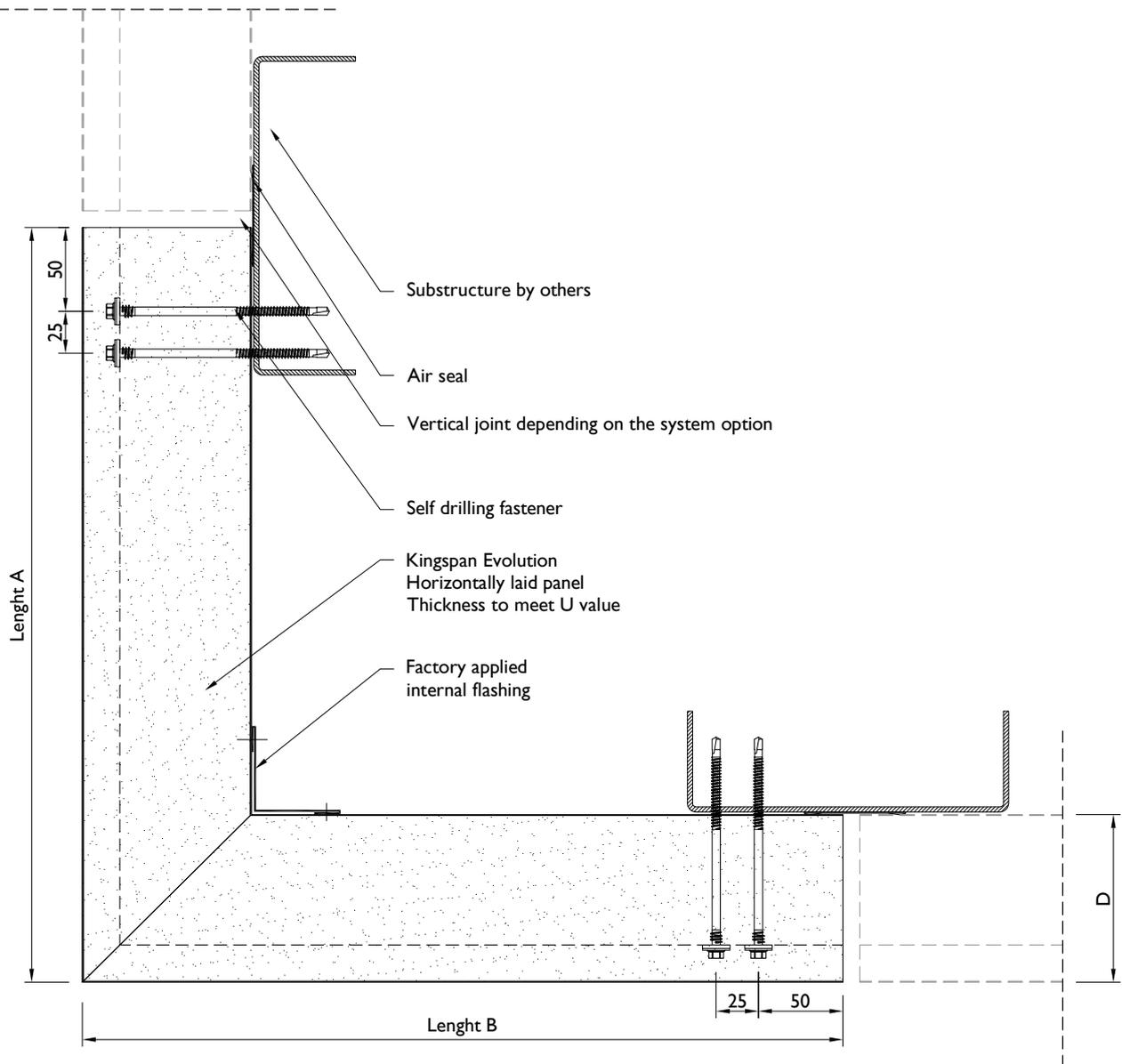
Comment
a - according to static requirements
a_{min} = 40 mm



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Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		www.kingspanfacades.com	
Drawing Title: Primary constructions - variants		© Kingspan 2014	
Drawn By: BB	Date: 2015-09-25		
Drawing N.: KF-EVO-252-xxxx-04	Rev: AH		



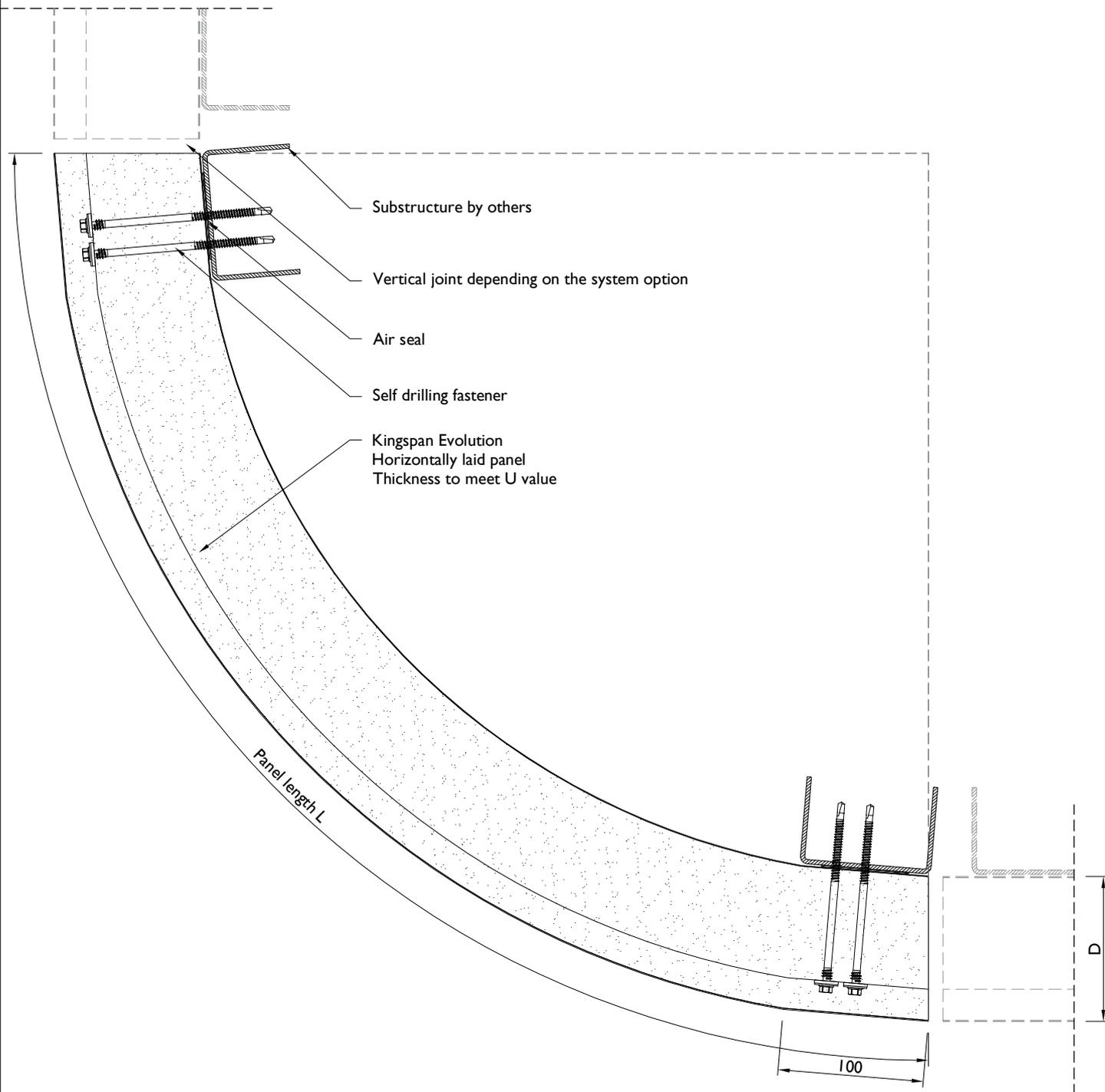
Corner Panel						
Joint Option	A min.	A max.	B min.	B max.	Lenght max.	Angle
Inline Silver	250	1500	250	4500	6000	90-180
Inline Black						
Aluframe						
Light	D + 200	1500	D + 200	2500	4000	90-180
Q2						
Q2A						



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Project: General Construction Details		Kingspan Facades Europe	
System: Evolution			
Drawing Title: External corner		www.kingspanfacades.com	
Drawn By: BB	Date: 2015-09-25		
Drawing N.: KF-EVO-301-xxxx-04	Rev: AH	© Kingspan 2014	



Note

R_{min} - 4000 mm

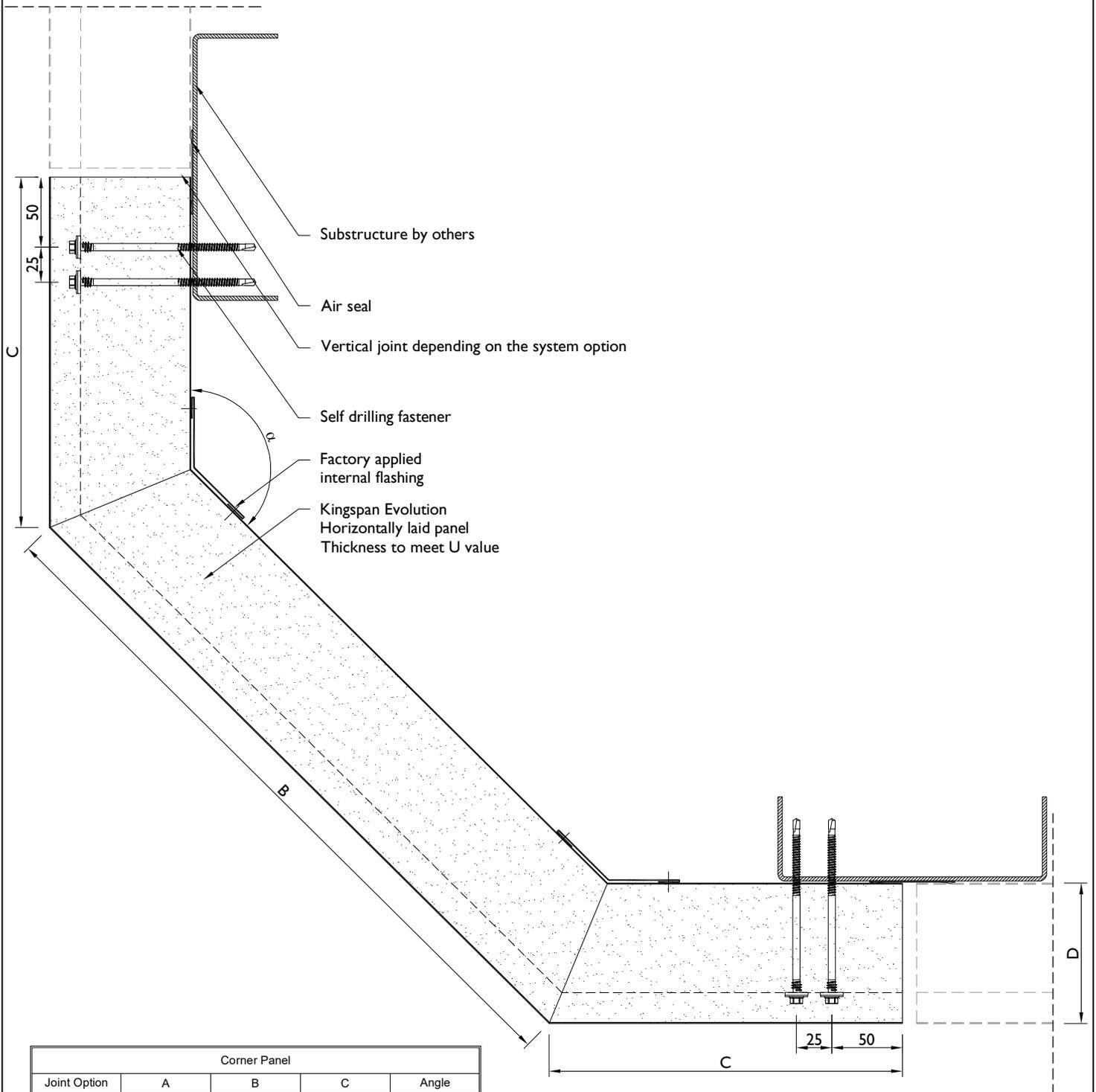
L_{max} - 6000 mm

α - 45 - 170°

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This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

Project: General Construction Details		Kingspan Facades Europe	
System: Evolution			
Drawing Title: Curved corner			
Drawn By: BB	Date: 2015-09-25	www.kingspanfacades.com © Kingspan 2014	
Drawing N.: KF-EVO-302-xxxx-04	Rev: AH		



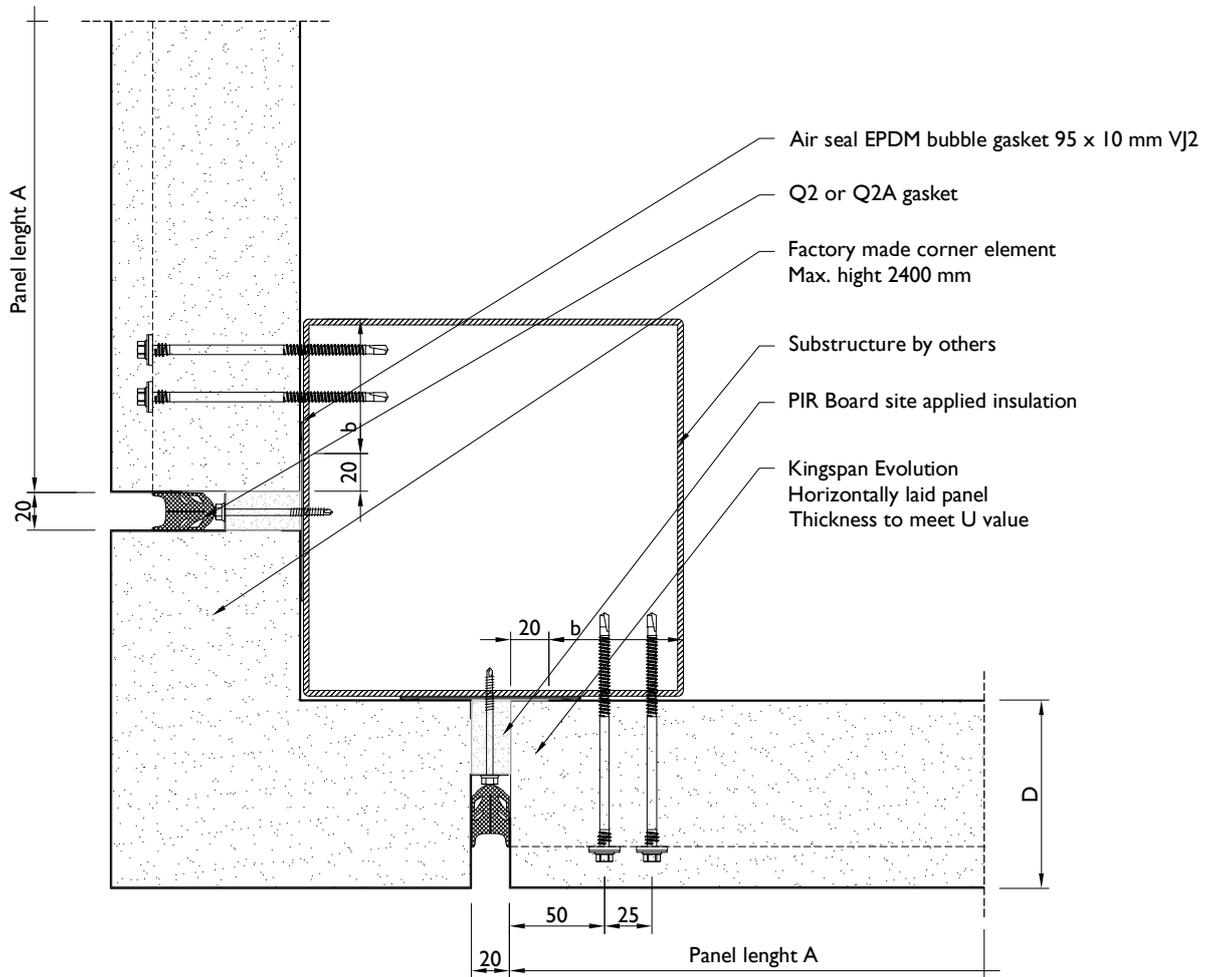
Corner Panel				
Joint Option	A	B	C	Angle
Inline Silver	250 - 1500 mm	300 - 3000 mm	250 - 1500 mm	90-180
Inline Black				
Aluframe				
Light	Please contact Benchmark team			
Q2				
Q2A				



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This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

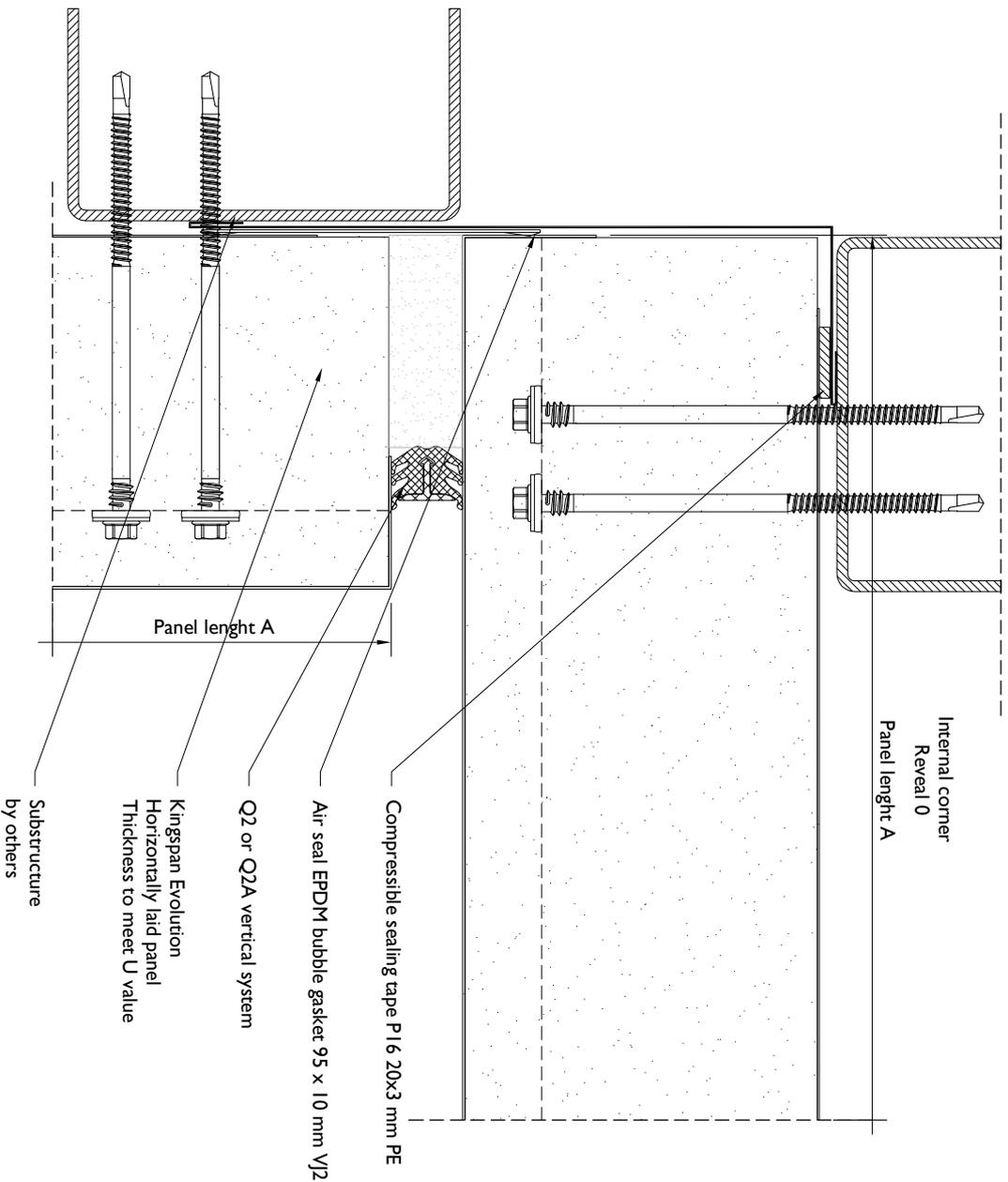
Project: General Construction Details		Kingspan Facades Europe	
System: Evolution			
Drawing Title: Chamfered corner			
Drawn By: BB	Date: 2015-09-25	www.kingspanfacades.com © Kingspan 2014	
Drawing N.: KF-EVO-303-xxxx-04	Rev: AH		



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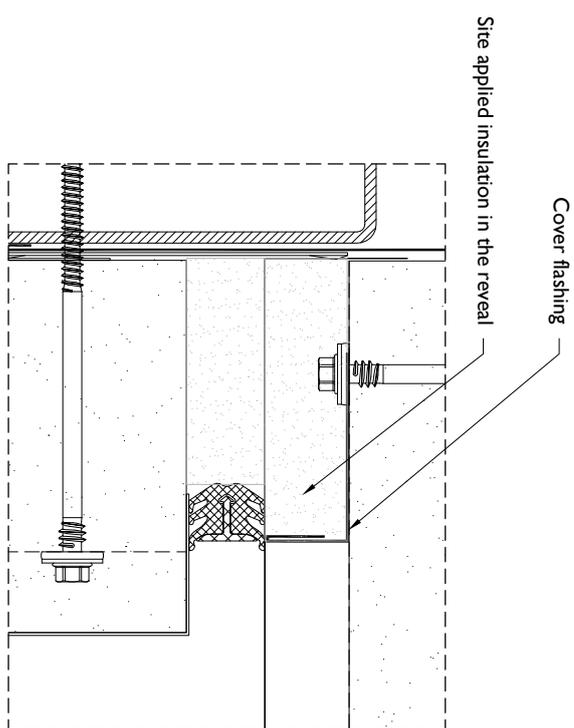
This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		 Facades	
Drawing Title: Corner with corner element			
Drawn By: BB	Date: 2015-09-25	www.kingspanfacades.com © Kingspan 2014	
Drawing N.: KF-EVO-304-xxxx-04	Rev: AH		



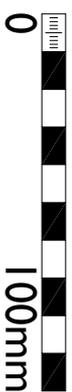
Internal corner
Reveal 0
Panel length A

Internal corner
Reveal 10, 20, 50



Cover flashing

Site applied insulation in the reveal



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This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

Project: General Construction Details

System: Evolution

Drawing Title: Internal corner with gasket I

Drawn By: BB

Date: 21.12.2017

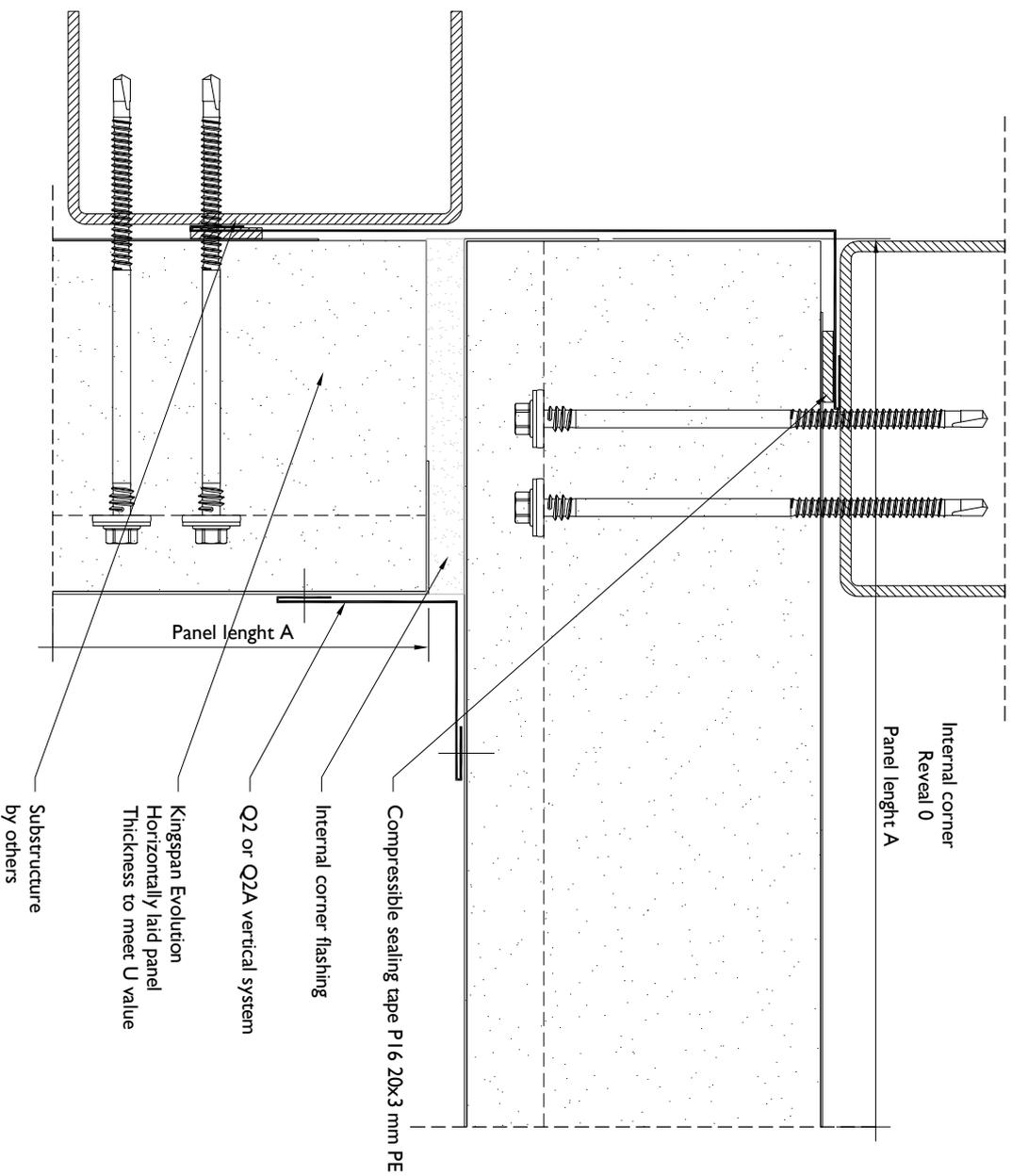
Drawing N.: KF-EVO-31 | -xxxx-04

Rev: AH

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Project: General Construction Details

System: Evolution

Drawing Title: Internal corner with flashing

Drawn By: BB

Date: 21.12.2017

Drawing N.: KF-EVO-312-xxxx-04

Rev: AH

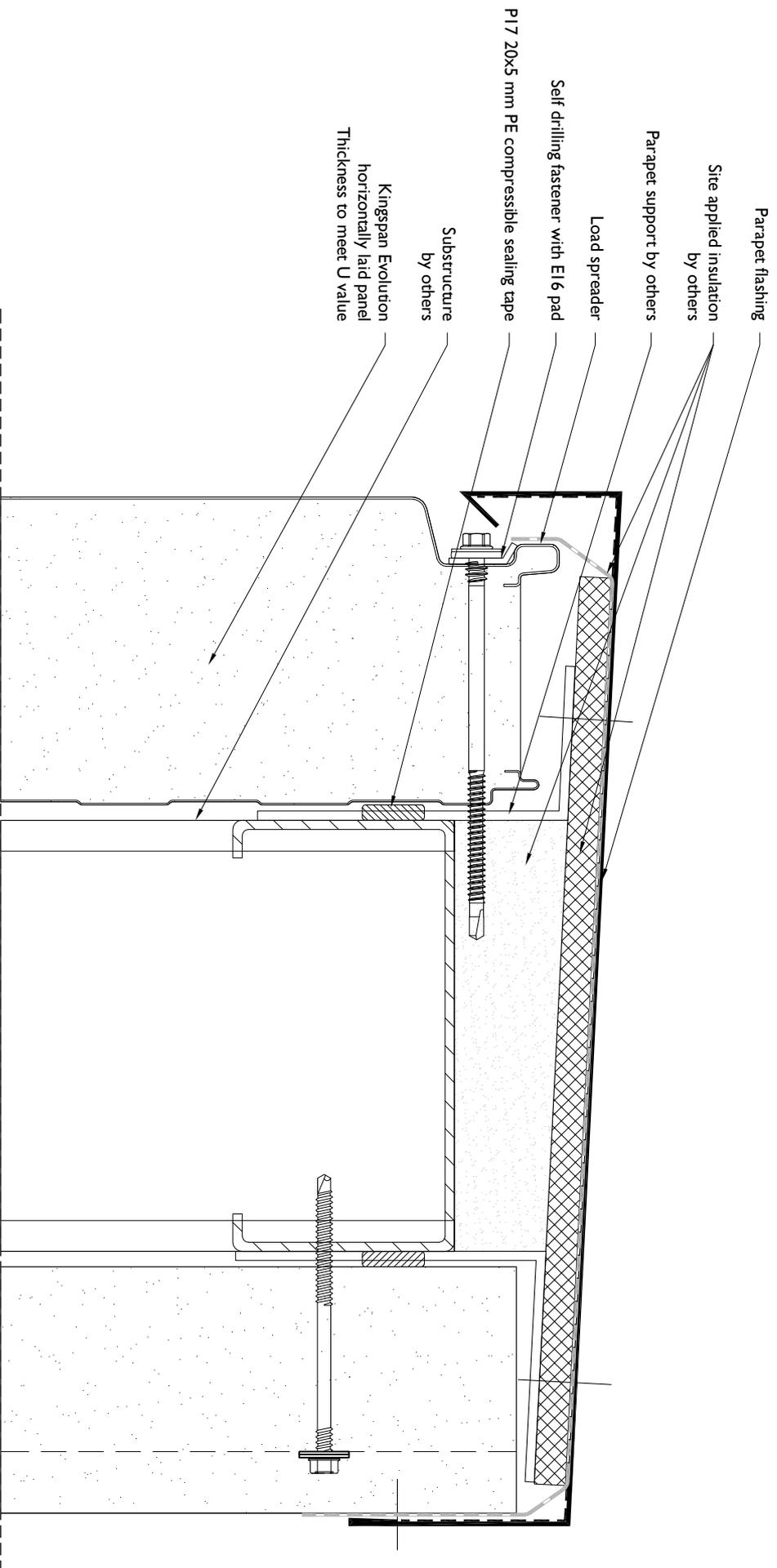
Kingspan Facades Europe



www.kingspanfacades.com

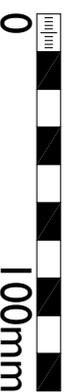


© Kingspan 2014



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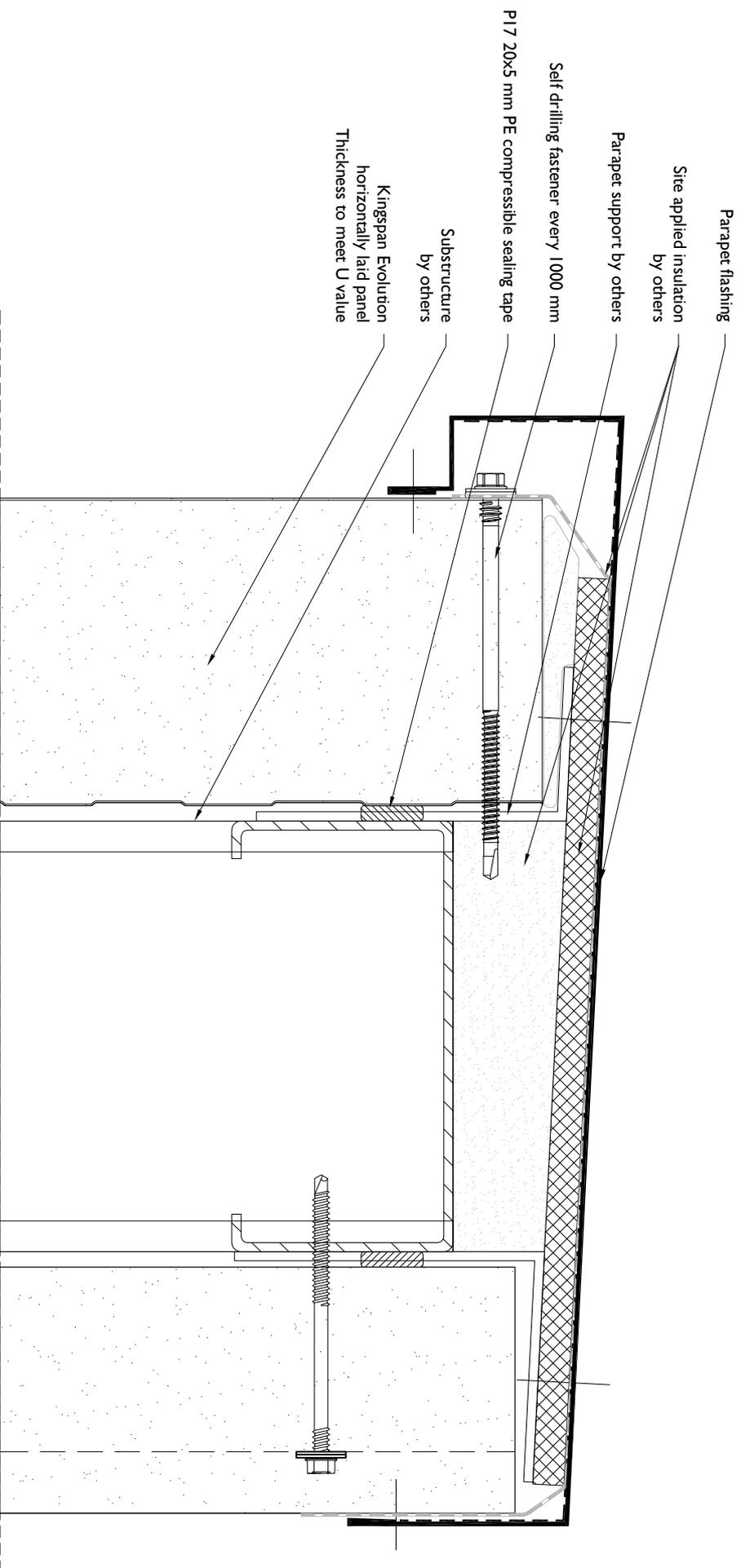
This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.



Project: General Construction Details	Kingspan Facades Europe
System: Evolution	
Drawing Title: Modular parapet	
Drawn By: BB	Date: 21.12.2017
Drawing N.: KF-EVO-401-xxxx-04	Rev: AH

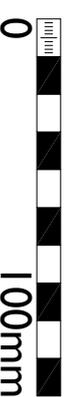
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Project: General Construction Details

System: Evolution

Drawing Title: Nonmodular parapet

Drawn By: BB

Date: 21.12.2017

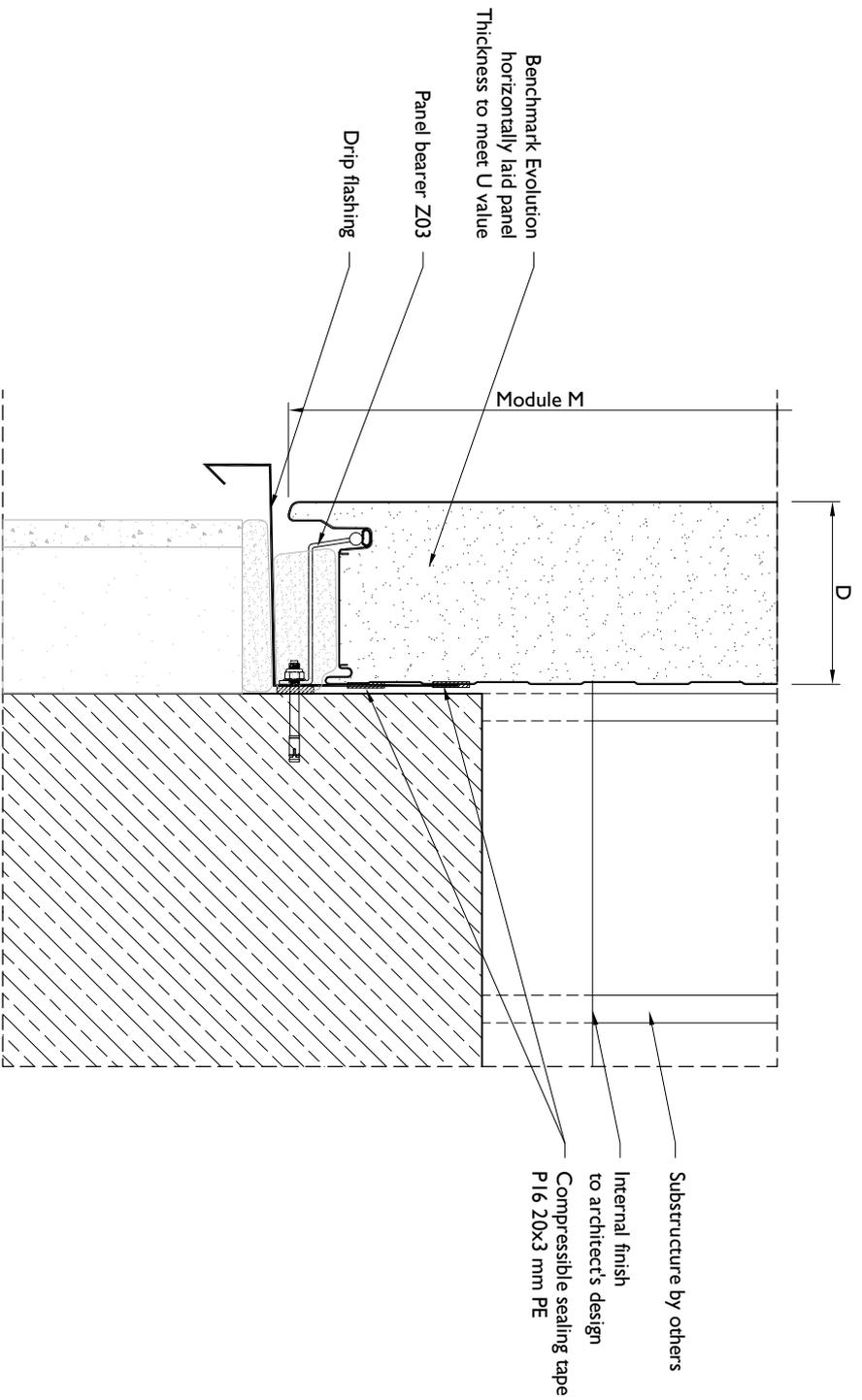
Drawing N.: KF-EVO-402-xxxx-04

Rev: AH

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Project: General Construction Details

System: Evolution

Drawing Title: Drip detail

Drawn By: BB

Date: 2015-09-25

Drawing N.: KF-EVO-501-xxxx-04

Rev: AH

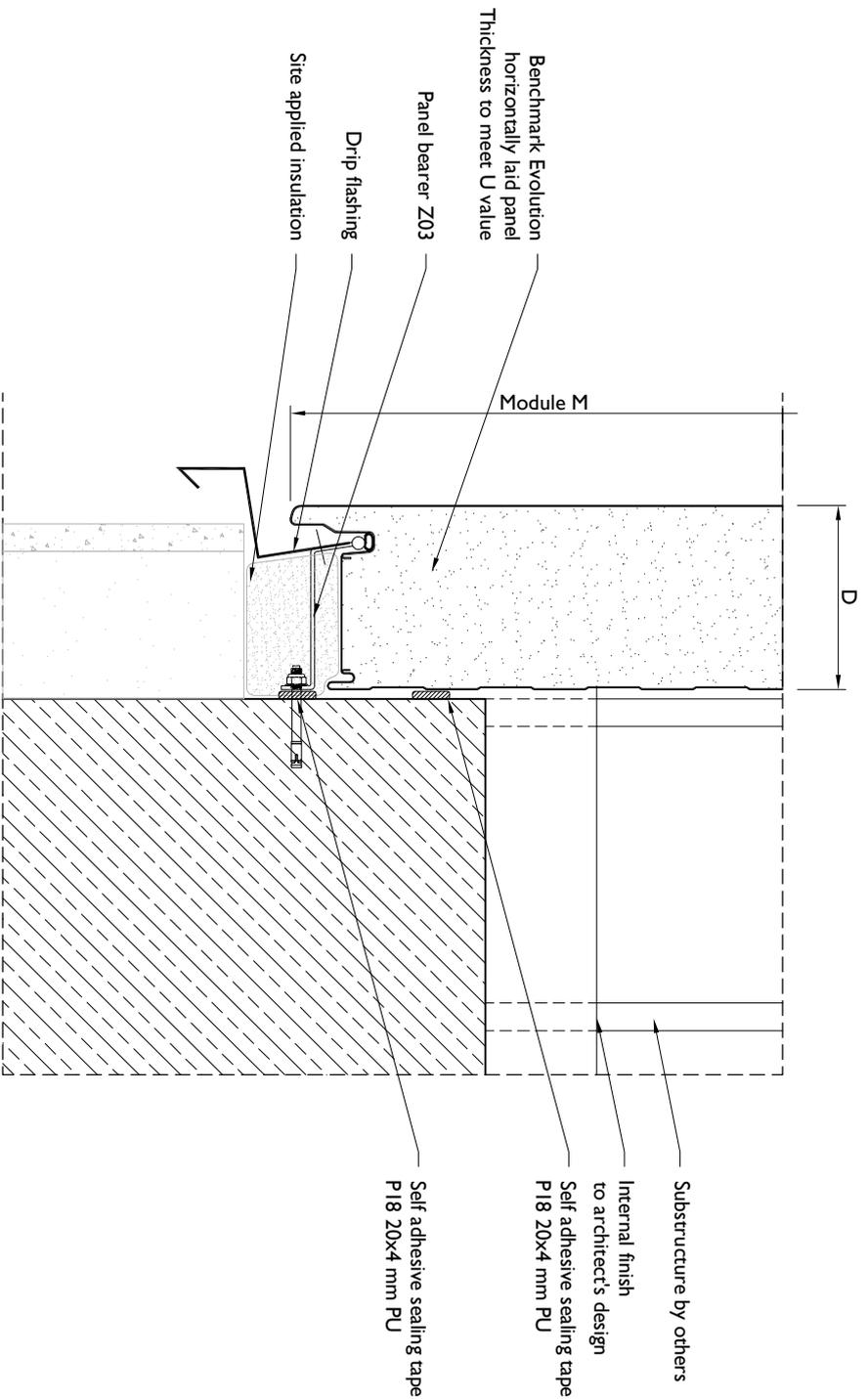
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This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.



Project: General Construction Details

System: Evolution

Drawing Title: Drip detail

Drawn By: BB

Date: 2015-09-25

Drawing N.: KF-EVO-502-xxxx-04

Rev: AH

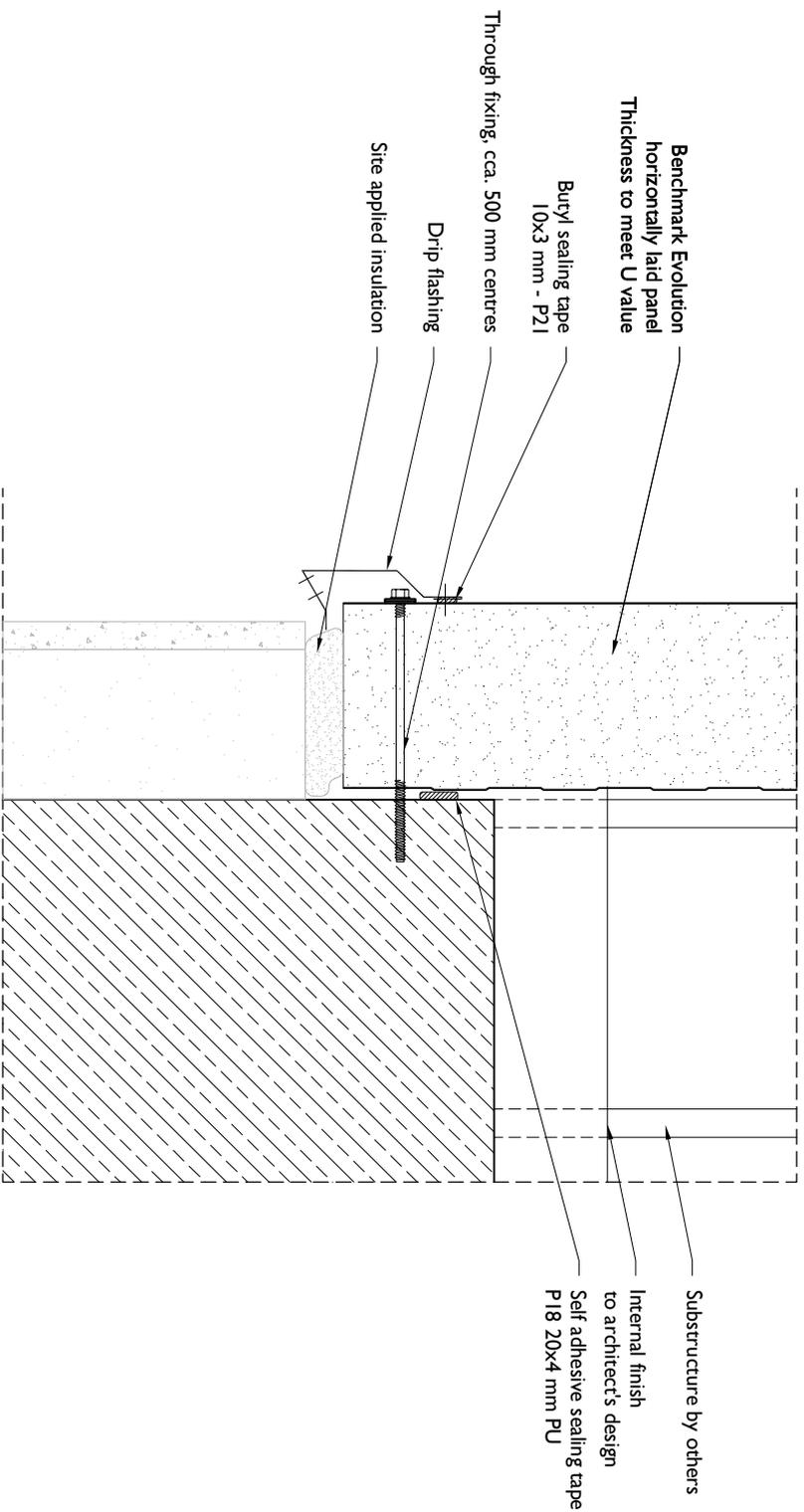
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Project: General Construction Details

System: Evolution

Drawing Title: Drip detail with cut panel

Drawn By: BB

Date: 2015-09-25

Drawing N.: KF-EVO-503-xxxx-04

Rev: AH

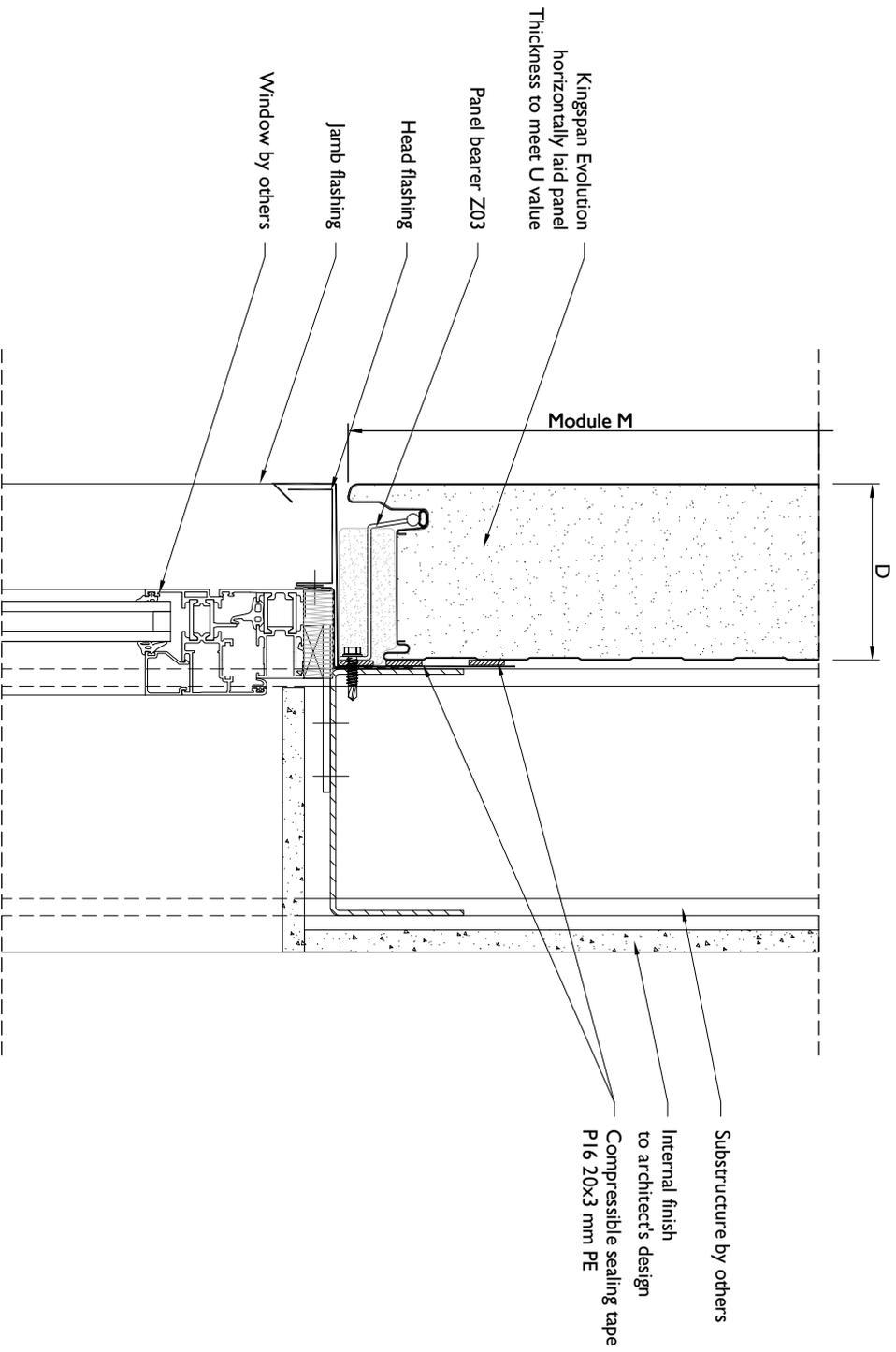
Kingspan Facades Europe



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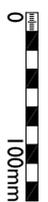
© Kingspan 2014





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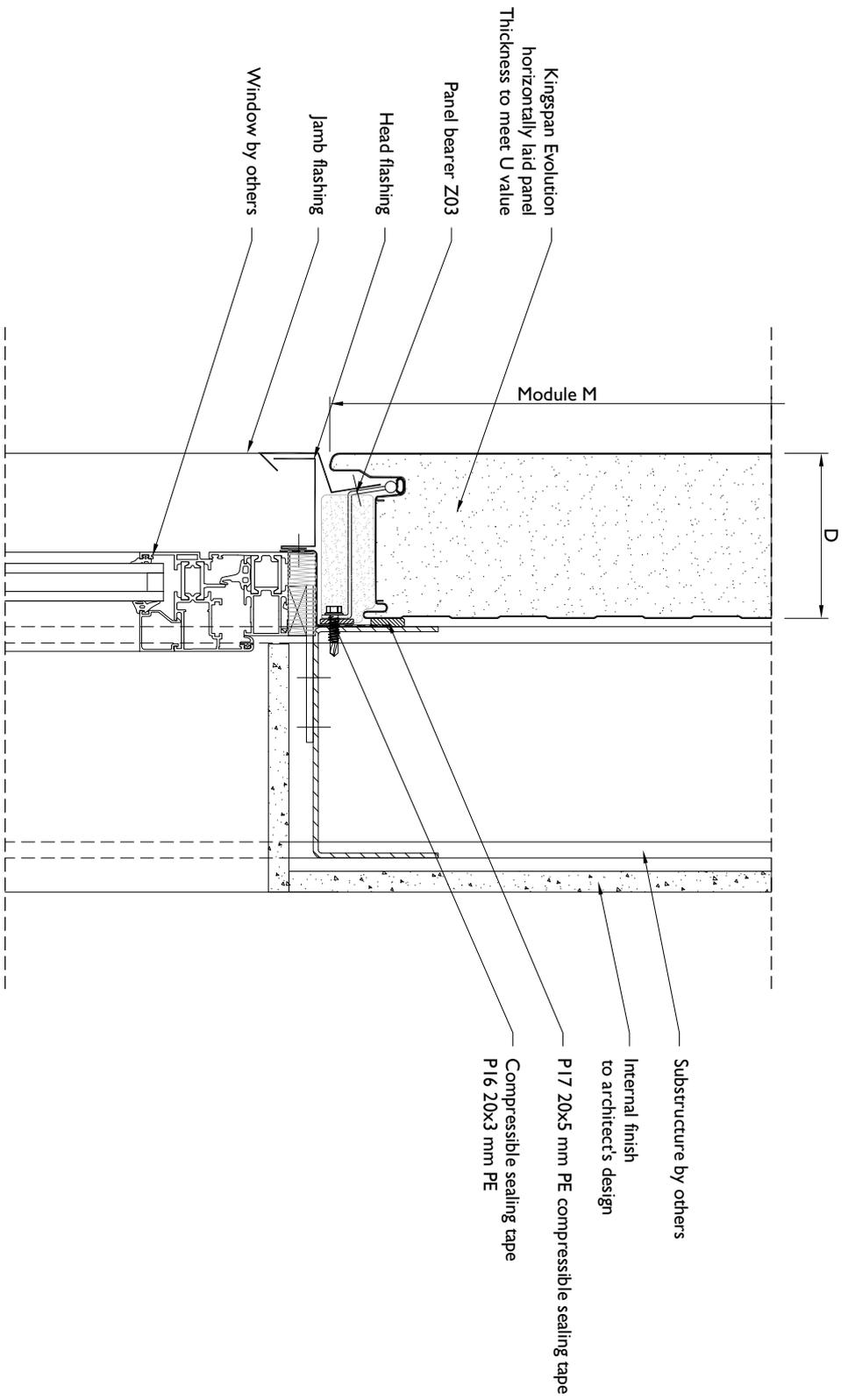
This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.



Project: General Construction Details	Kingspan Facades Europe
System: Evolution	
Drawing Title: Modular window - head detail	
Drawn By: BB	Date: 2015-09-25
Drawing N.: KF-EVO-601-x-xxx-04	Rev: AH

www.kingspanfacades.com
© Kingspan 2014





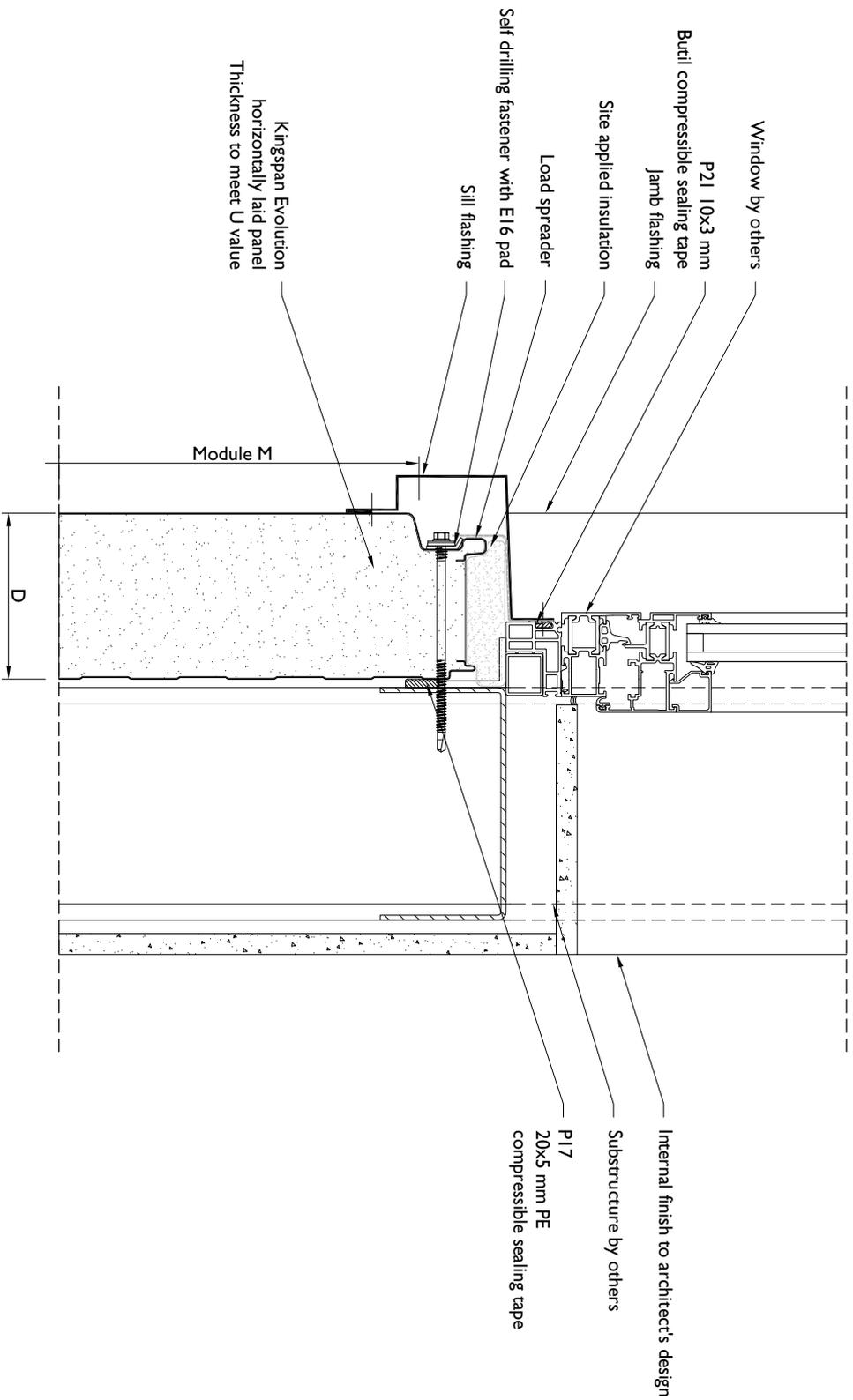
This construction detail merely represents a potential example of execution. Kingspan can not be held liable or responsible for its proper application, transferability and adaptation to local and structural conditions on a specific building/project. This is solely the responsibility of the user.

This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

Project: General Construction Details	Kingspan Facades Europe
System: Evolution	
Drawing Title: Modular window - head detail	
Drawn By: BB	Date: 2015-09-25
Drawing N.: KF-EVO-602-xxxx-04	Rev: AH

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This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.



Project: General Construction Details

System: Evolution

Drawing Title: Modular window - sill detail

Drawn By: BB Date: 2015-09-25

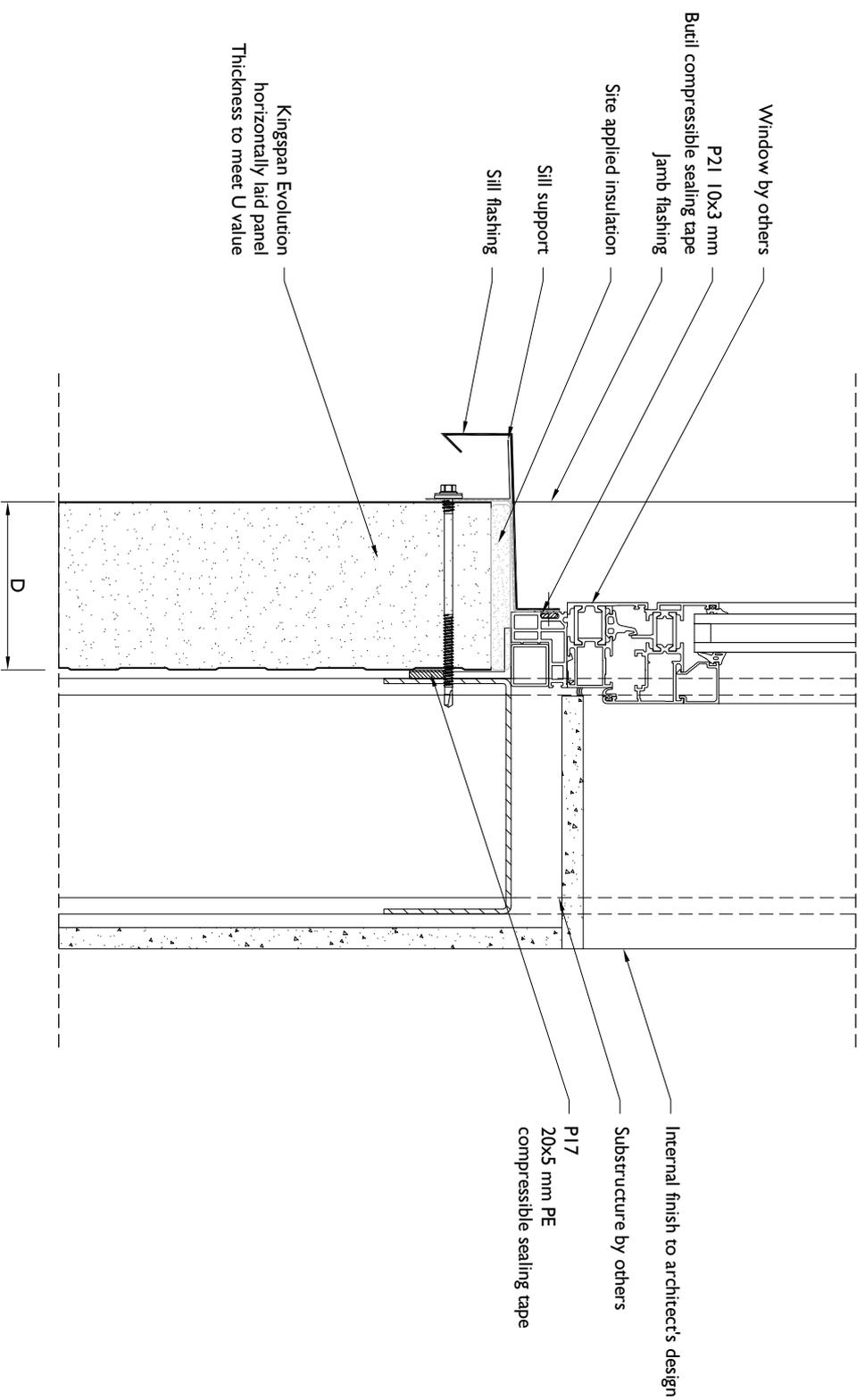
Drawing N.: KF-EVO-603-xxxx-04 Rev: AH

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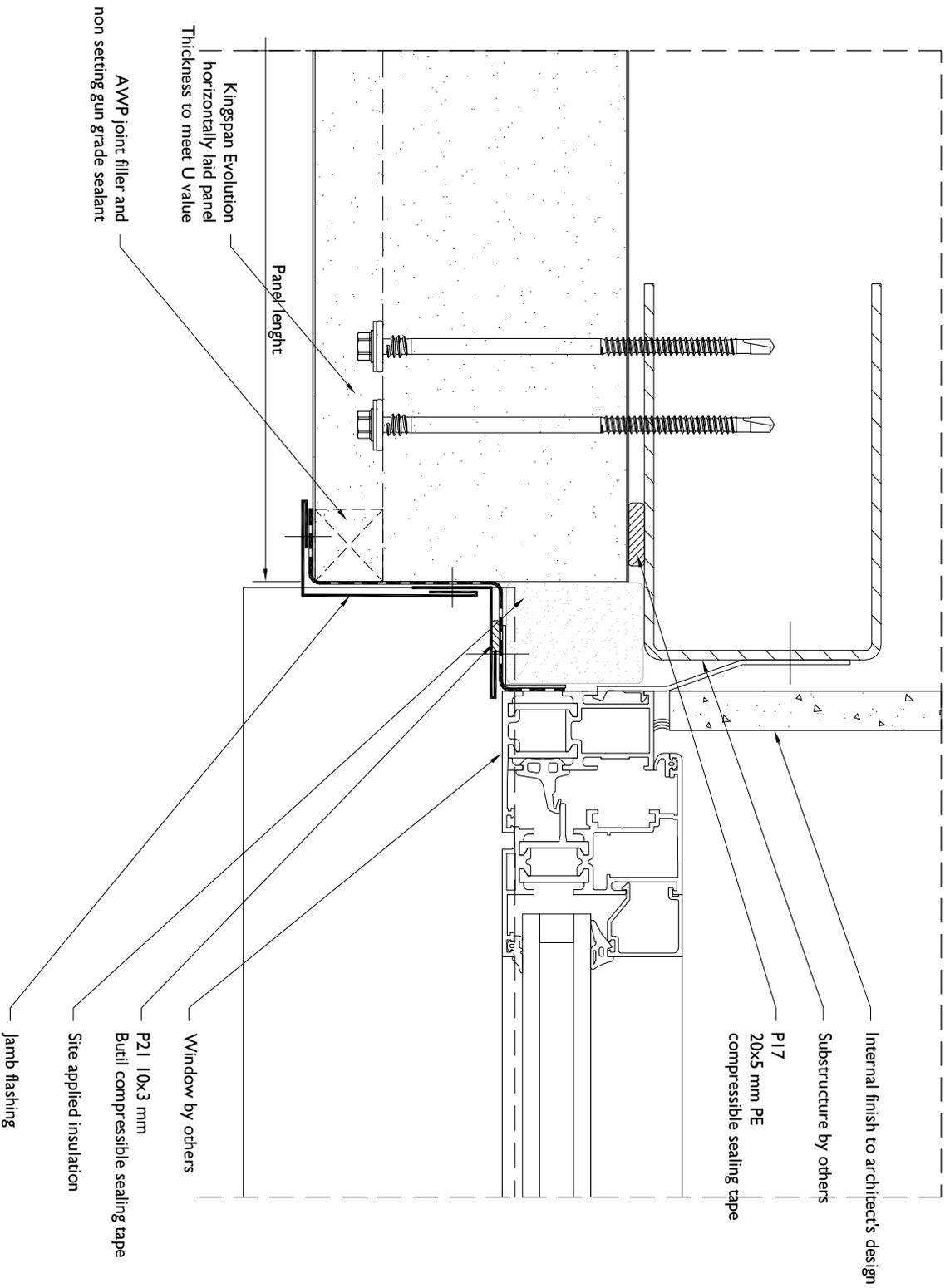
This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.



Project: General Construction Details	Kingspan Facades Europe
System: Evolution	
Drawing Title: Nonmodular window - sill detail	
Drawn By: BB	Date: 2015-09-25
Drawing N.: KF-EVO-604-x-xxx-04	Rev: AH

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Project: General Construction Details

System: Evolution

Drawing Title: Nonmodular window - jamb detail

Drawn By: BB

Date: 21.12.2017

Drawing N.: KF-EVO-605-xxxx-04

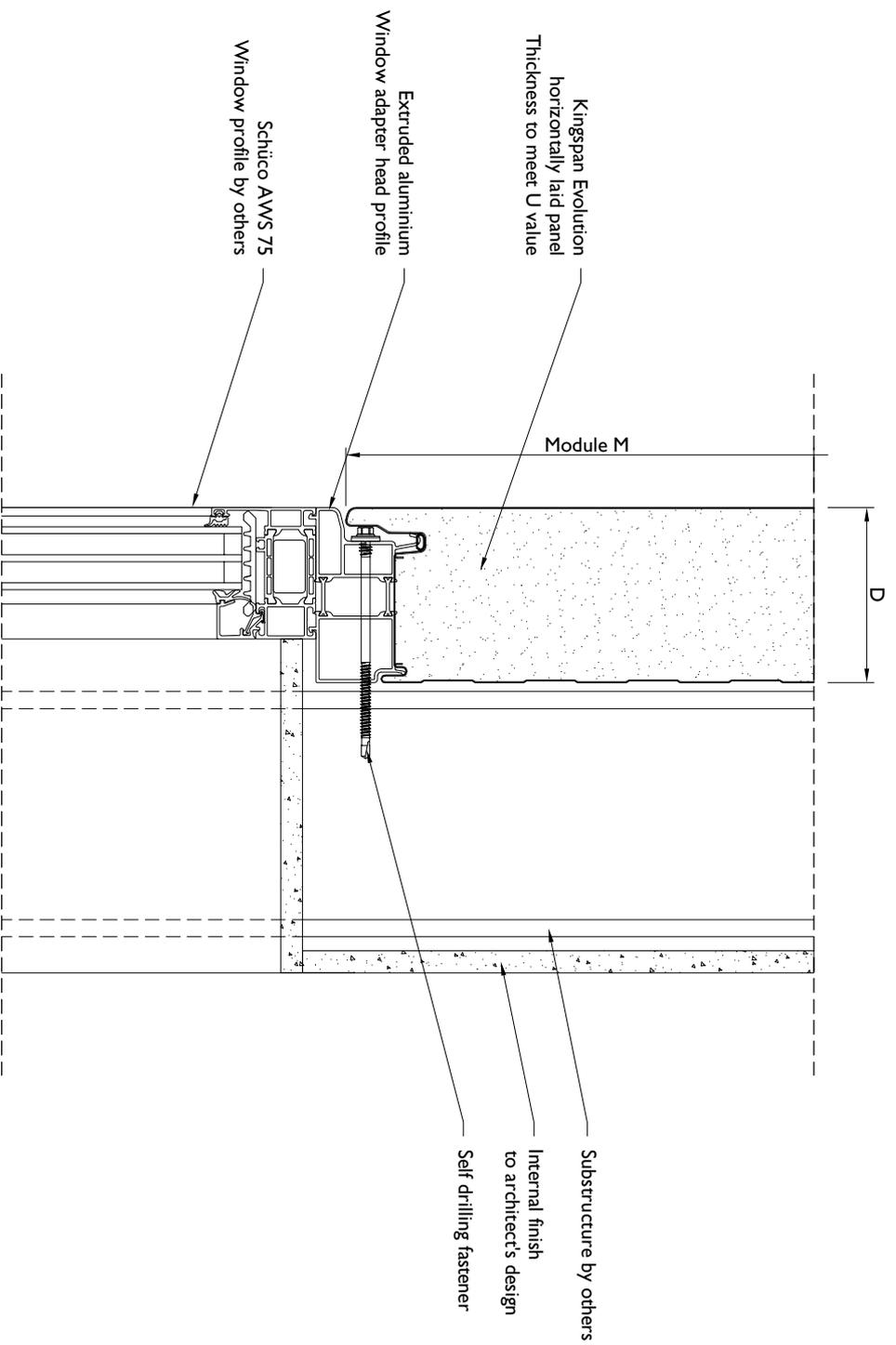
Rev: AH

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Project: General Construction Details

System: Evolution

Drawing Title: Modular window - head detail

Drawn By: BB Date: 2015-09-25

Drawing N.: KF-EVO-611-xxxx-04 Rev: AH

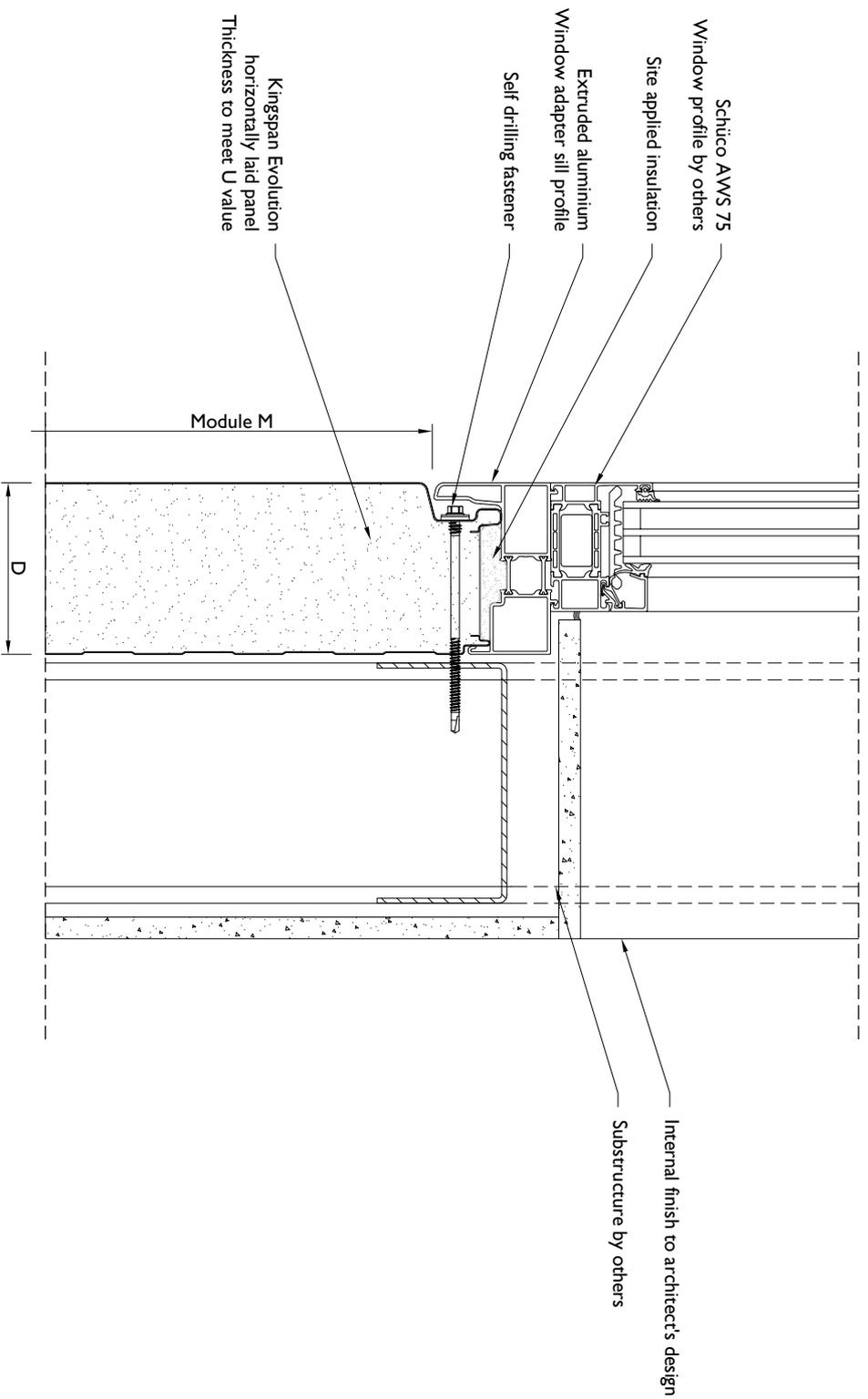
Kingspan Facades Europe



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This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

Project: General Construction Details

System: Evolution

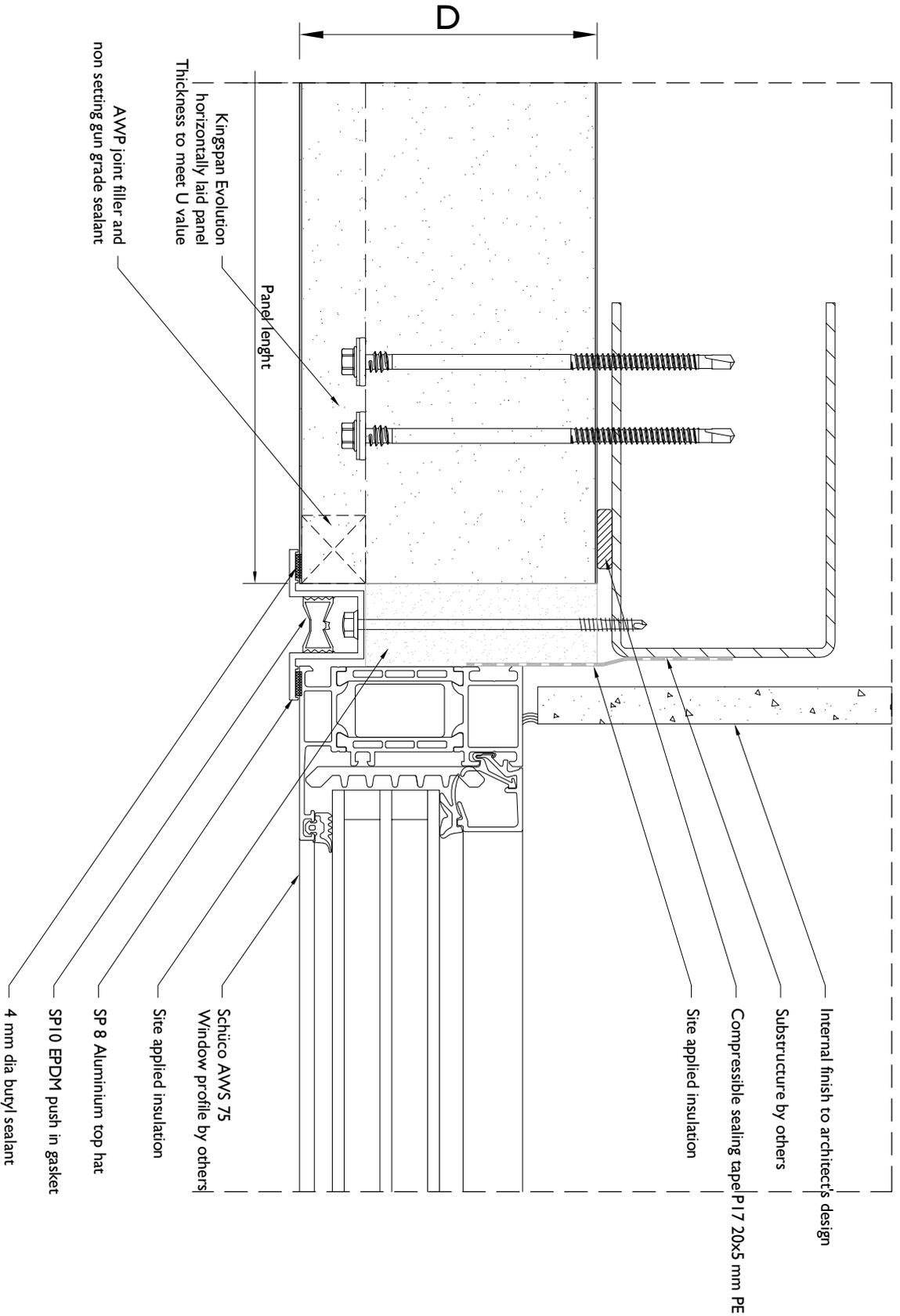
Drawing Title: Window sill with window adapter

Drawn By: BB Date: 2015-09-25

Drawing N.: KF-EVO-612-xxxx-04 Rev: AH

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This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

Project: General Construction Details

System: Evolution

Drawing Title: Window jamb with top hat profile

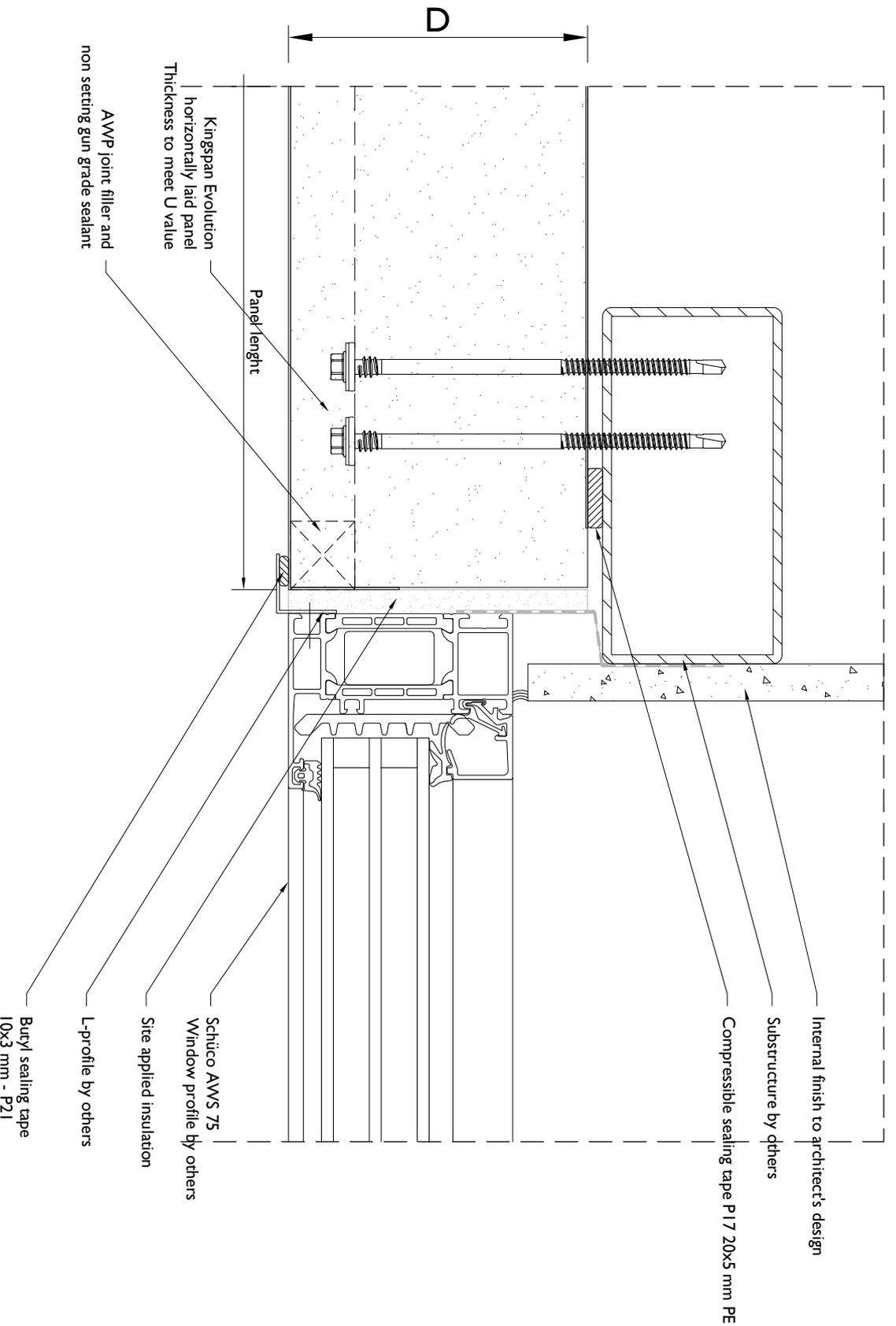
Drawn By: BB Date: 21.12.2017

Drawing N.: KF-EVO-613-xxxx-04 Rev: AH

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Project: General Construction Details

System: Evolution

Drawing Title: Window jamb with recessed gasket

Drawn By: BB

Date: 21.12.2017

Drawing N.: KF-EVO-614-xxxx-04

Rev: AH

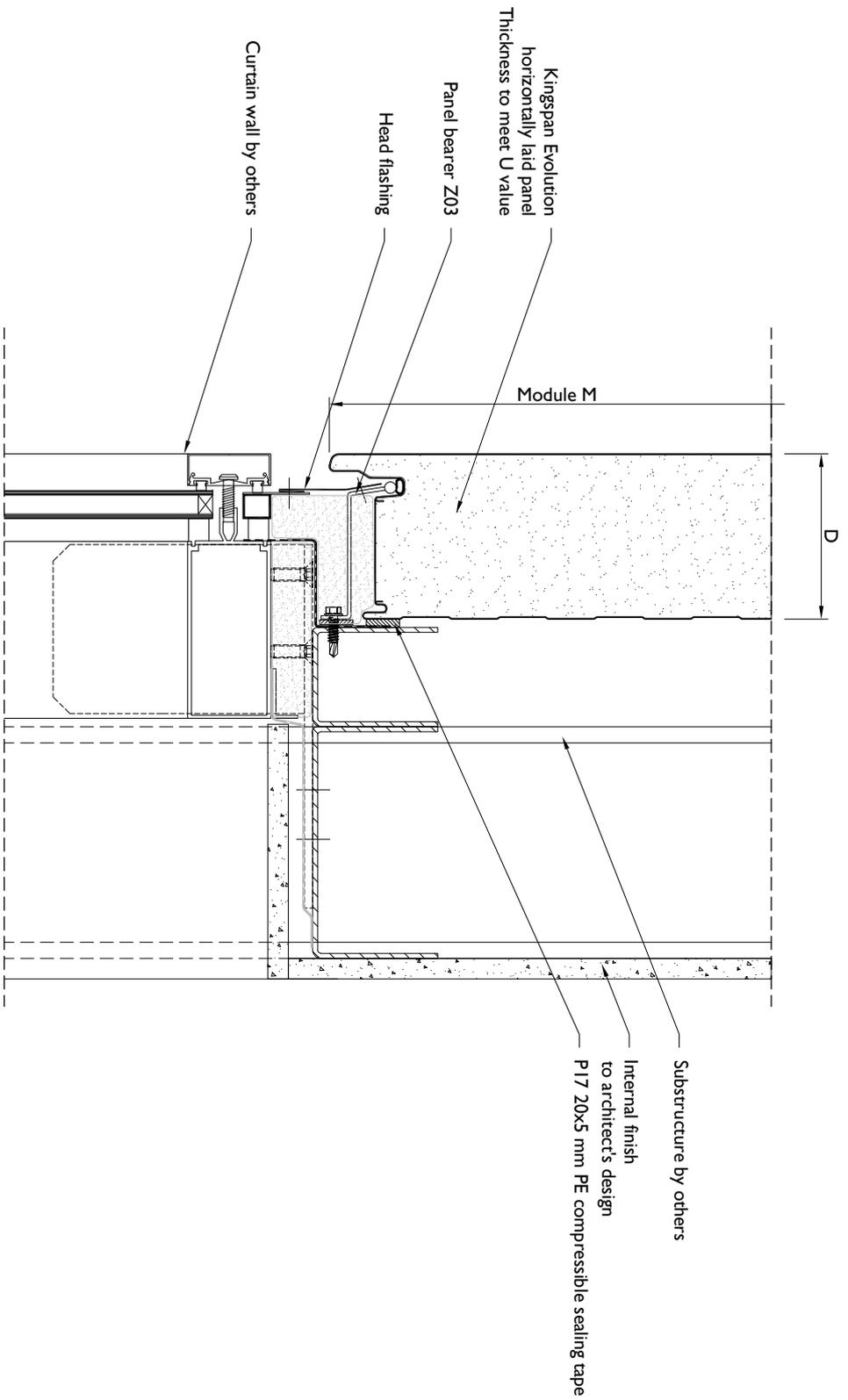
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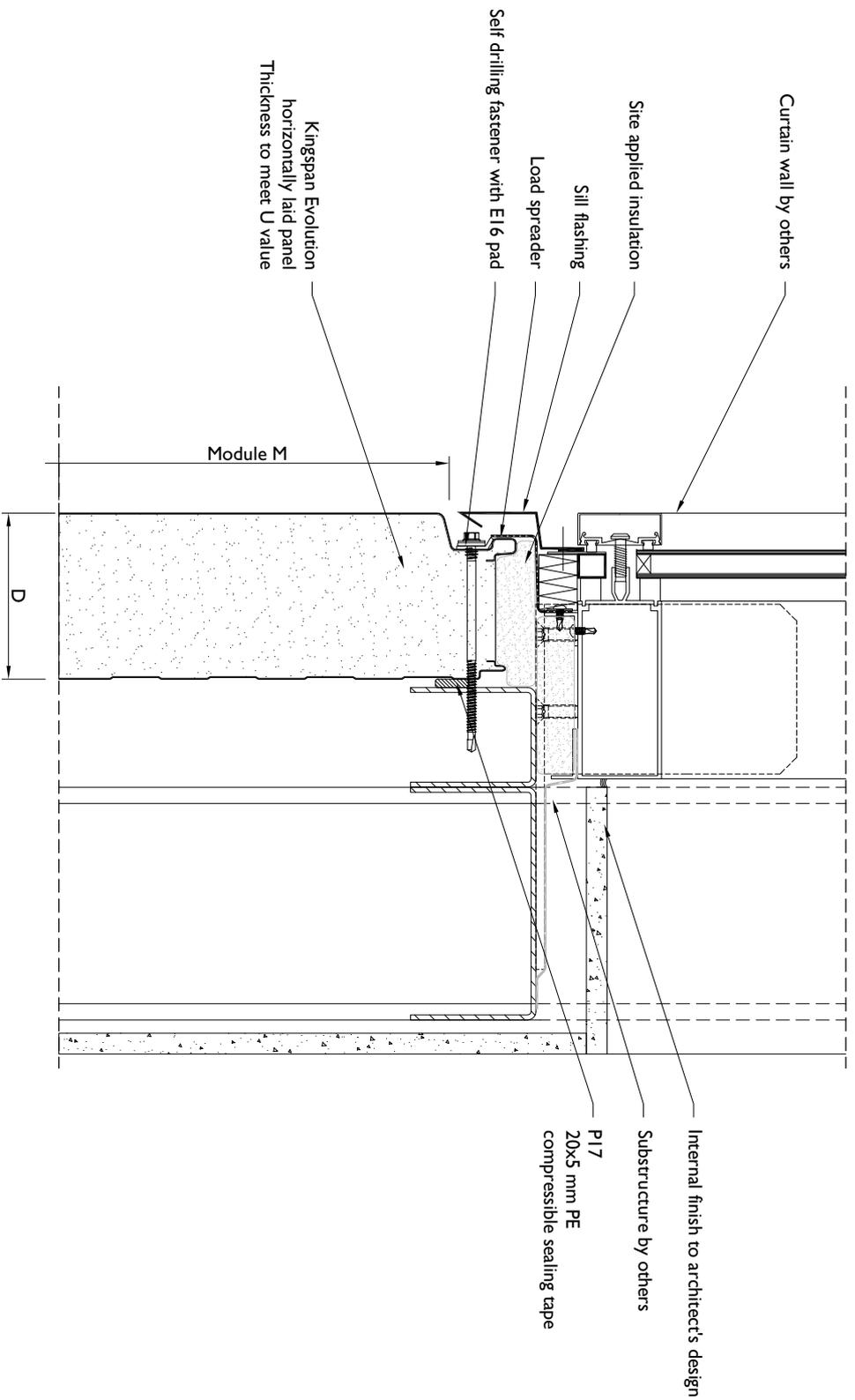
This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.



Project: General Construction Details	Kingspan Facades Europe
System: Evolution	
Drawing Title: Curtain wall - head detail	
Drawn By: BB	Date: 2015-09-25
Drawing N.: KF-EVO-701-xxxx-04	Rev: AH

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Project: General Construction Details

System: Evolution

Drawing Title: Curtain wall - sill detail

Drawn By: BB

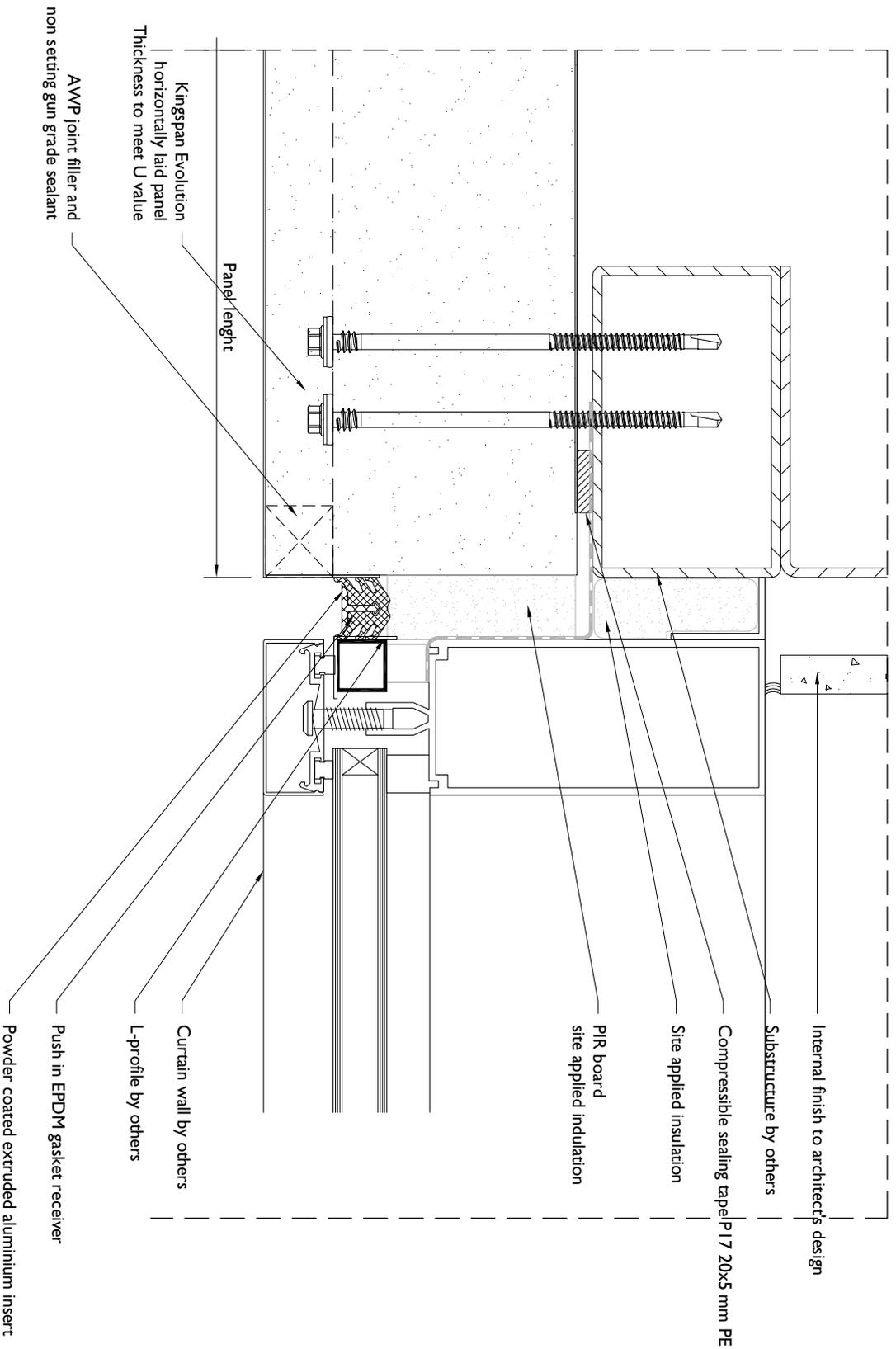
Date: 2015-09-25

Drawing N.: KF-EVO-702-xxxx-04

Rev: AH

Kingspan Facades Europe





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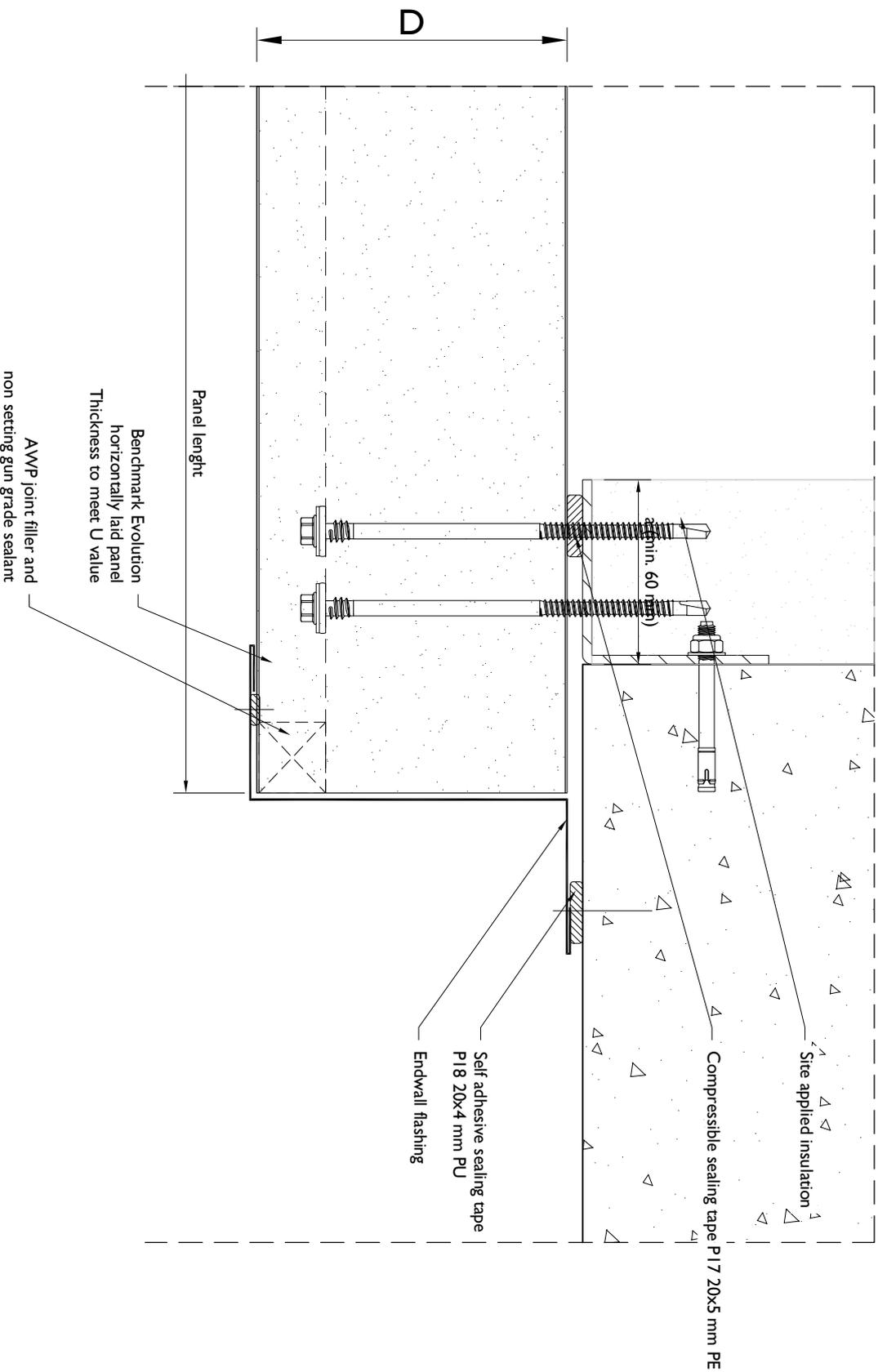
This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.



Project: General Construction Details	Kingspan Facades Europe
System: Evolution	
Drawing Title: Currain wall - jamb detail	
Drawn By: BB	Date: 21.12.2017
Drawing N.: KF-EVO-703-xxxx-04	Rev: AH

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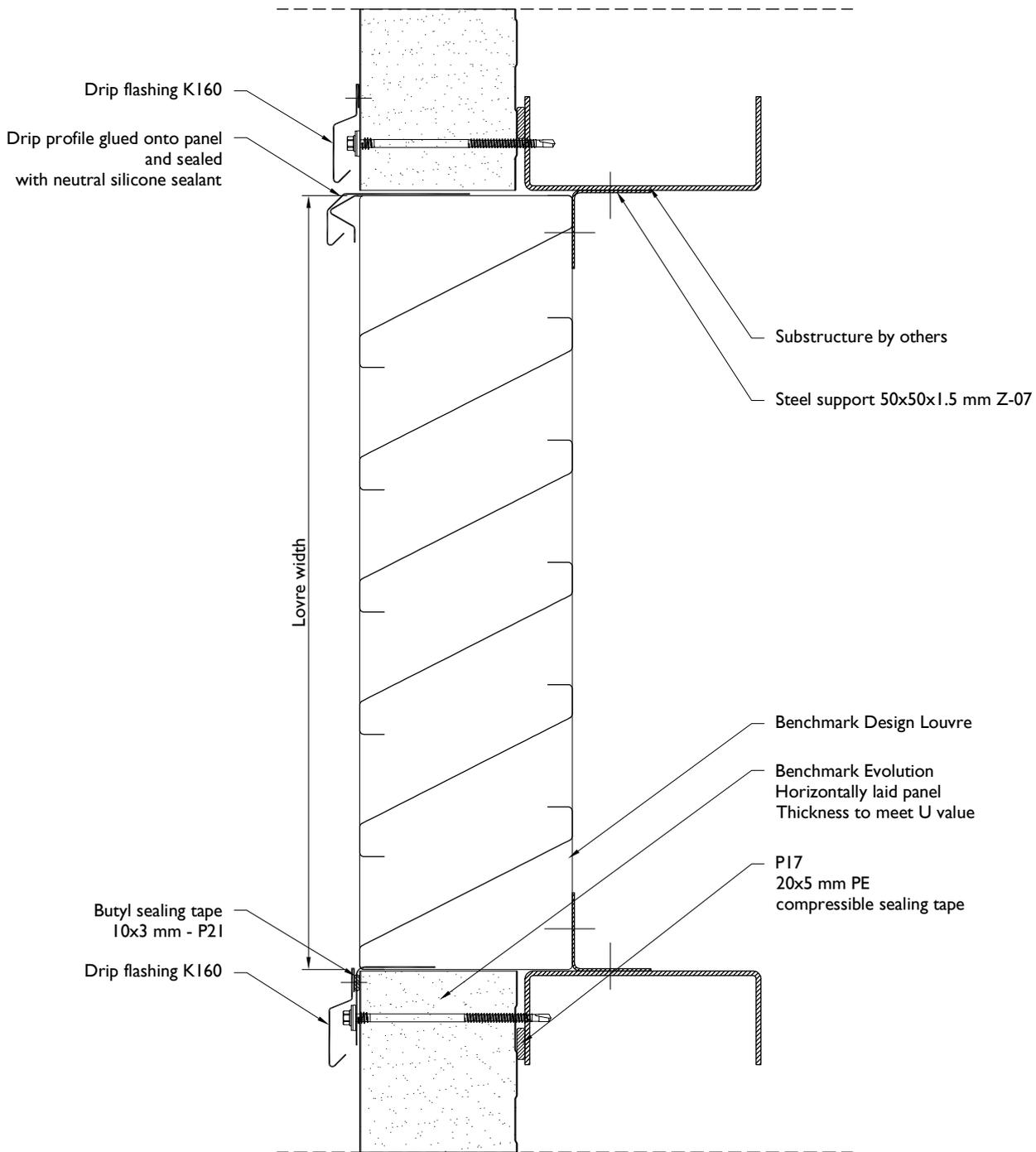
This construction detail merely represents a potential example of execution. Kingspan can not be held liable or responsible for its proper application, transferability and adaptation to local and structural conditions on a specific building/project. This is solely the responsibility of the user.

This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.

Project: General Construction Details
 System: Evolution
 Drawing Title: Endwall detail
 Drawn By: BB
 Date: 21.12.2017
 Drawing N.: KF-EVO-801-xxxx-04 Rev: AH

Kingspan Facades Europe

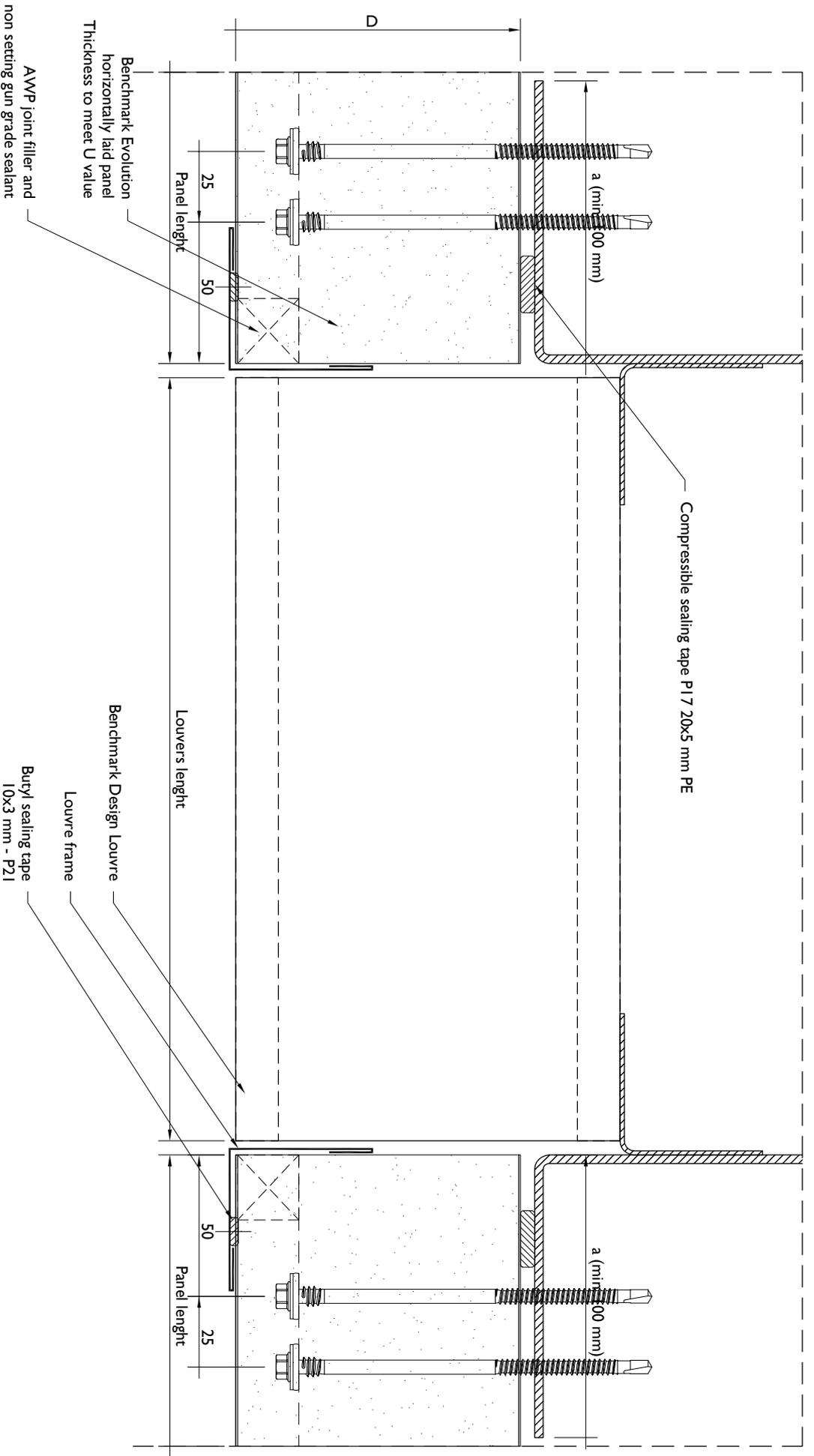




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Project: General Construction Details		Kingspan Facades Europe	
System: Evolution		 Facades	
Drawing Title: Louvre vertical section			
Drawn By: BB	Date: 2015-09-25	www.kingspanfacades.com © Kingspan 2014	
Drawing N.: KF-EVO-901-xxxx-04	Rev: AH		



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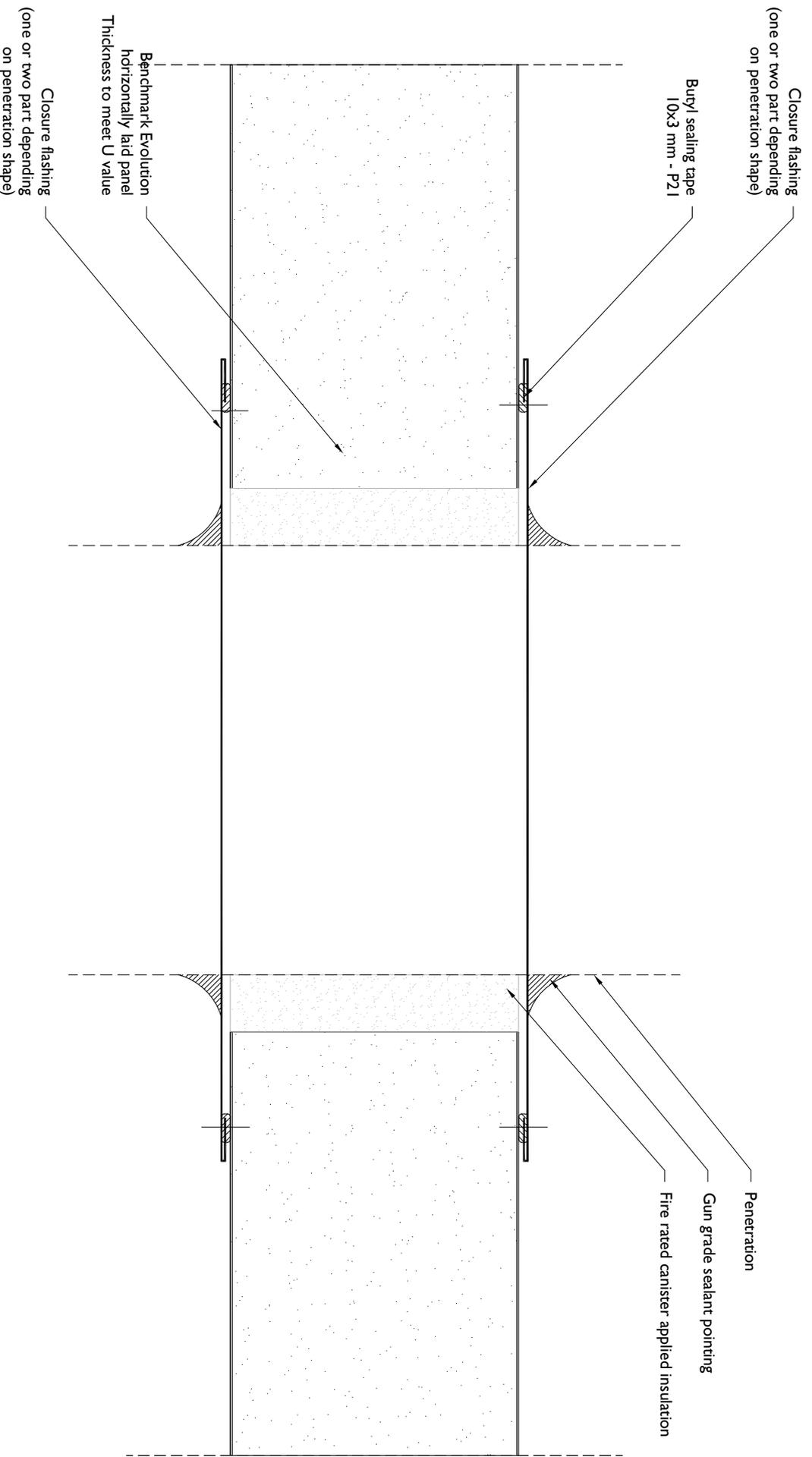
This is a generic construction detail. Supporting (secondary) steelwork member section types and sizes are indicative only. Secondary steelwork is typically provided by the structural steelwork contractor.



Project: General Construction Details	Kingspan Facades Europe
System: Evolution	
Drawing Title: Louvre horizontal section	
Drawn By: BB	Date: 21.12.2017
Drawing N.: KF-EVO-902-xxxx-04	Rev: AH

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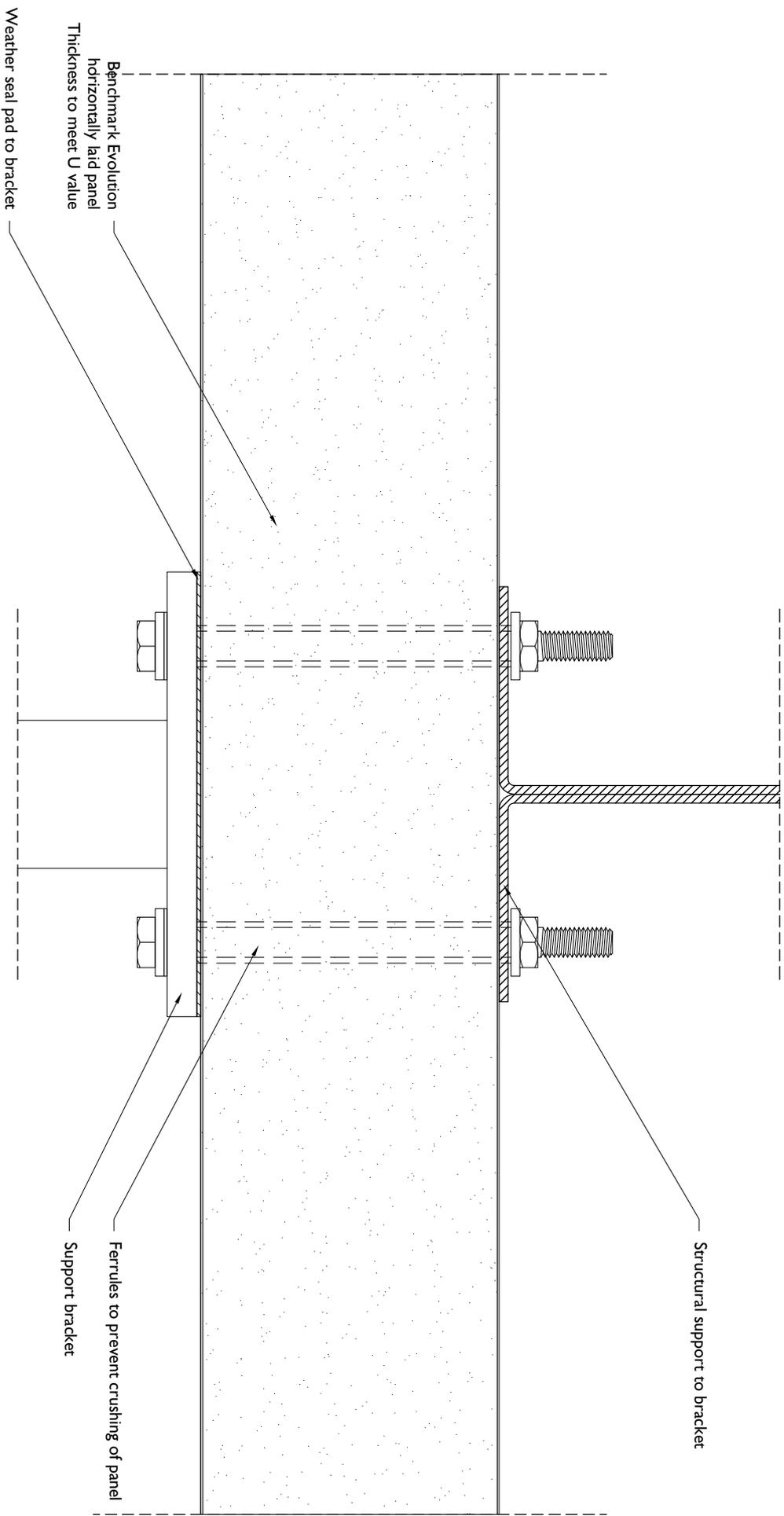
Note

Where the penetration size exceeds 300 mm trimming supports must be provided.



Project: General Construction Details	Kingspan Facades Europe
System: Evolution	
Drawing Title: Penetration detail	
Drawn By: BB	Date: 21.12.2017
Drawing N.: KF-EVO-1001-xxxx-04Rev.	AH
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Structural support to bracket

Ferrules to prevent crushing of panel
Support bracket

Benchmark Evolution
horizontally laid panel
Thickness to meet U value
Weather seal pad to bracket



Project: General Construction Details

System: Evolution

Drawing Title: Support bracket

Drawn By: BB

Date: 21.12.2017

Drawing N.: KF-EVO-1002-xxxx-04Rev. AH

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