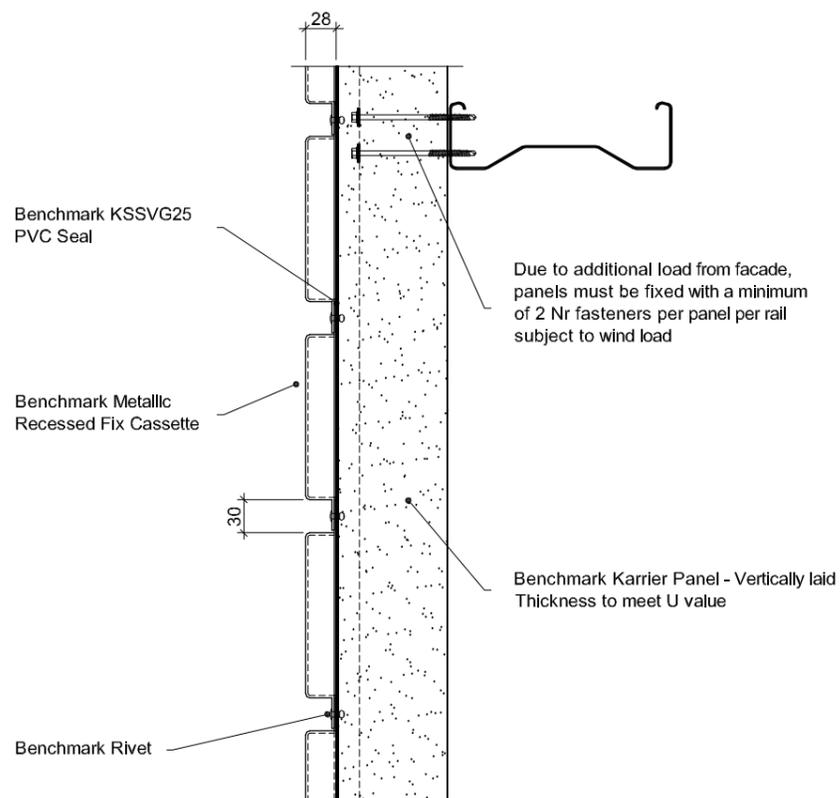


PLAN SECTION THROUGH



CROSS SECTION THROUGH

Material, Gauges and Finishes and Colours
Please refer to latest product guide and website. The direct method of installation is unsuitable for cassettes manufactured from zinc or from Corten.

Panel Sizes and Tolerances
Depends on material choice - please refer to current data sheet.

Structural Rails
Design for lateral loads and for gravity load of façade system. System weights are provided in current product data sheets.

Dissimilar Metals
Contact between dissimilar metals must be prevented with PVC isolation tape.

Handling
The surface of certain metals such as zinc and copper are susceptible to finger marking. Suitable clean gloves should be worn when handling these materials.

Open Edges
Open edges should be fitted with insect mesh

Cavity Barriers
Cavity barriers are not supplied with the Benchmark Facade system and must be specified and sourced separately.

Steelwork Tolerances
The permissible steelwork tolerance between the bearing planes of adjacent supports is $\pm 5\text{mm}$

Project:

System: Metallic Recessed Fix + Karrier Panel

Drawing Title: System Layout

Drawn By: AE

Date: 15/03/2012

Drawing No.: MRF Direct KP Vt 001

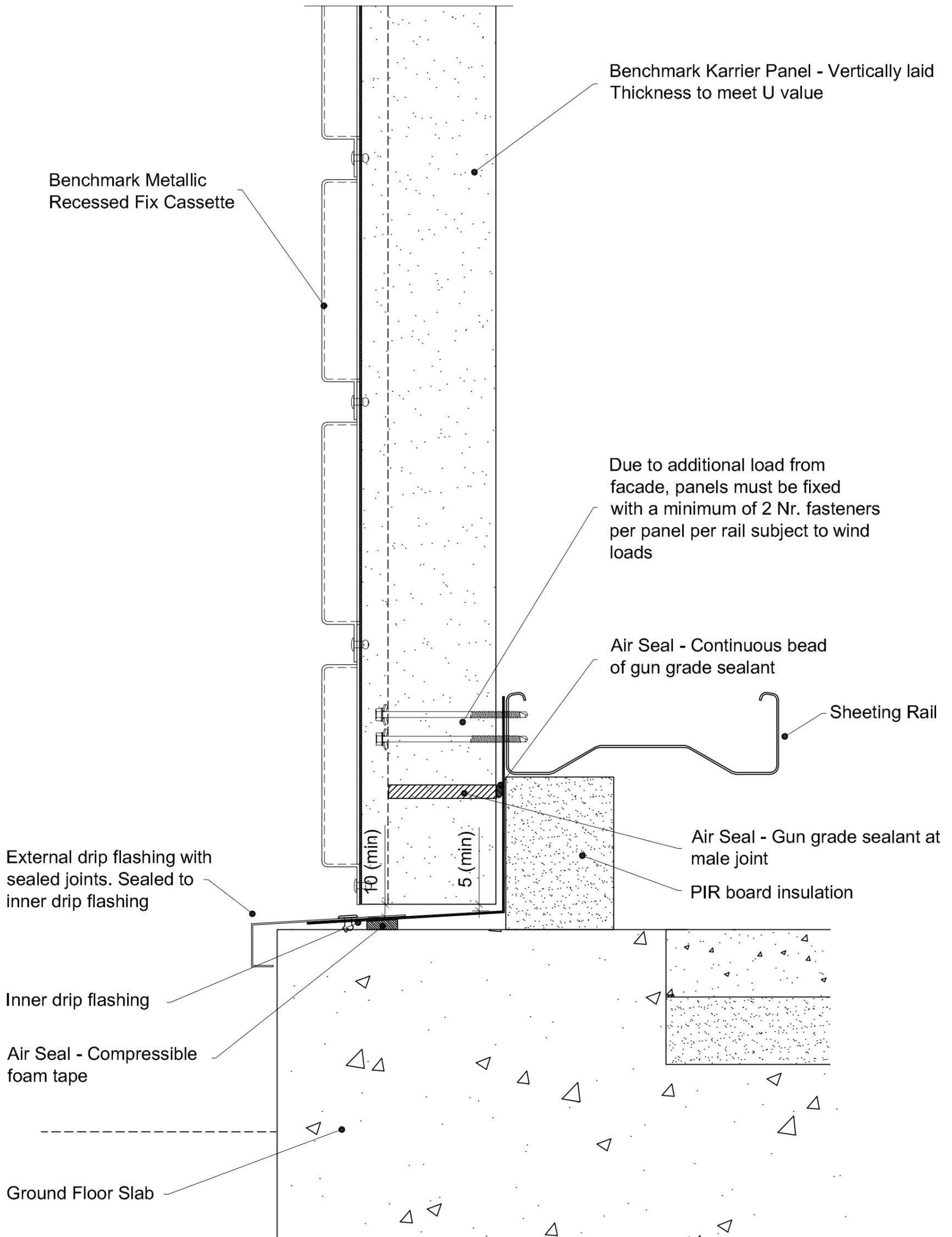
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Project:

System: Metallic Recessed Fix + Karrier Panel

Drawing Title: Drip Detail

Drawn By: AE

Date: 15/03/2012

Drawing N^o.: MRF Direct KP Vt 002

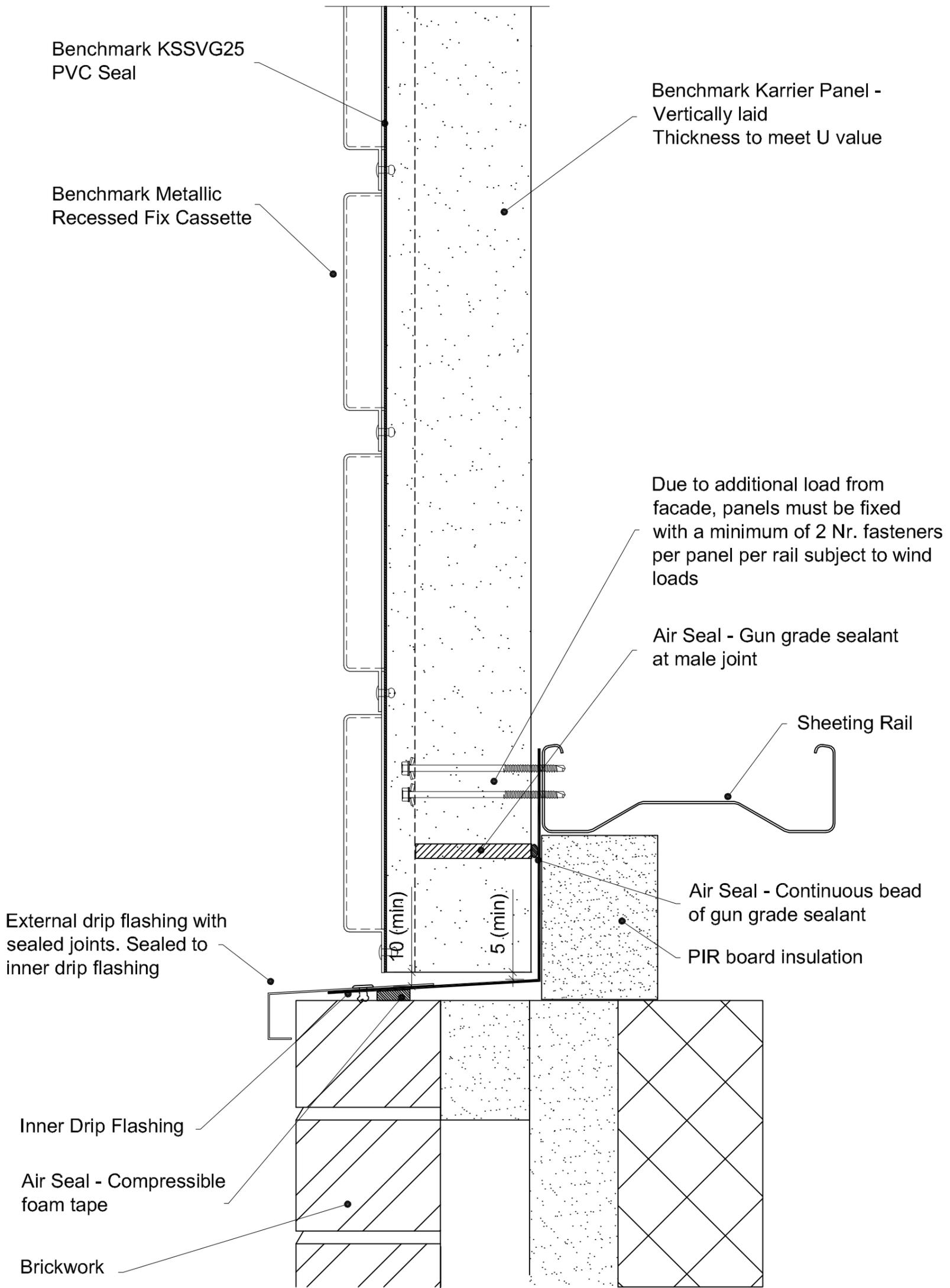
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Project:

System: Metallic Recessed Fix + Karrier Panel

Drawing Title: Drip Detail

Drawn By: AE

Date: 15/03/2012

Drawing N^o.: MRF Direct KP Vt 003

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Benchmark Karrier Panel
Vertically laid
Thickness to meet U value

Sheeting Rail

Air Seal - Continuous Bead Of Gun Grade Sealant

Internal cleader angle by steel sub-contractor with Air seal - Vapourflex sealant applied at joints

Air Seal - Continuous bead of gun grade sealant

Sheeting Rail

Benchmark KSSVG25 PVC Seal

Low profile head fasteners at 500mm maximum centers

Benchmark Metallic Recessed Fix Cassette External Corner Unit

Vinyl faced butyl rubber sealing strip

Fire Rated Canister Applied Insulation

Low profile head fasteners at 500mm maximum centers

Benchmark Karrier Panel - Vertically laid
Thickness to meet U value

Benchmark Metallic Recessed Fix Cassette

Project:

System: Metallic Recessed Fix + Karrier Panel

Drawing Title: External Corner

Drawn By: AE

Date: 15/03/2012

Drawing N^o.: MRF Direct KP Vt 004

Rev: 0

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Technical: 0800 970 9036

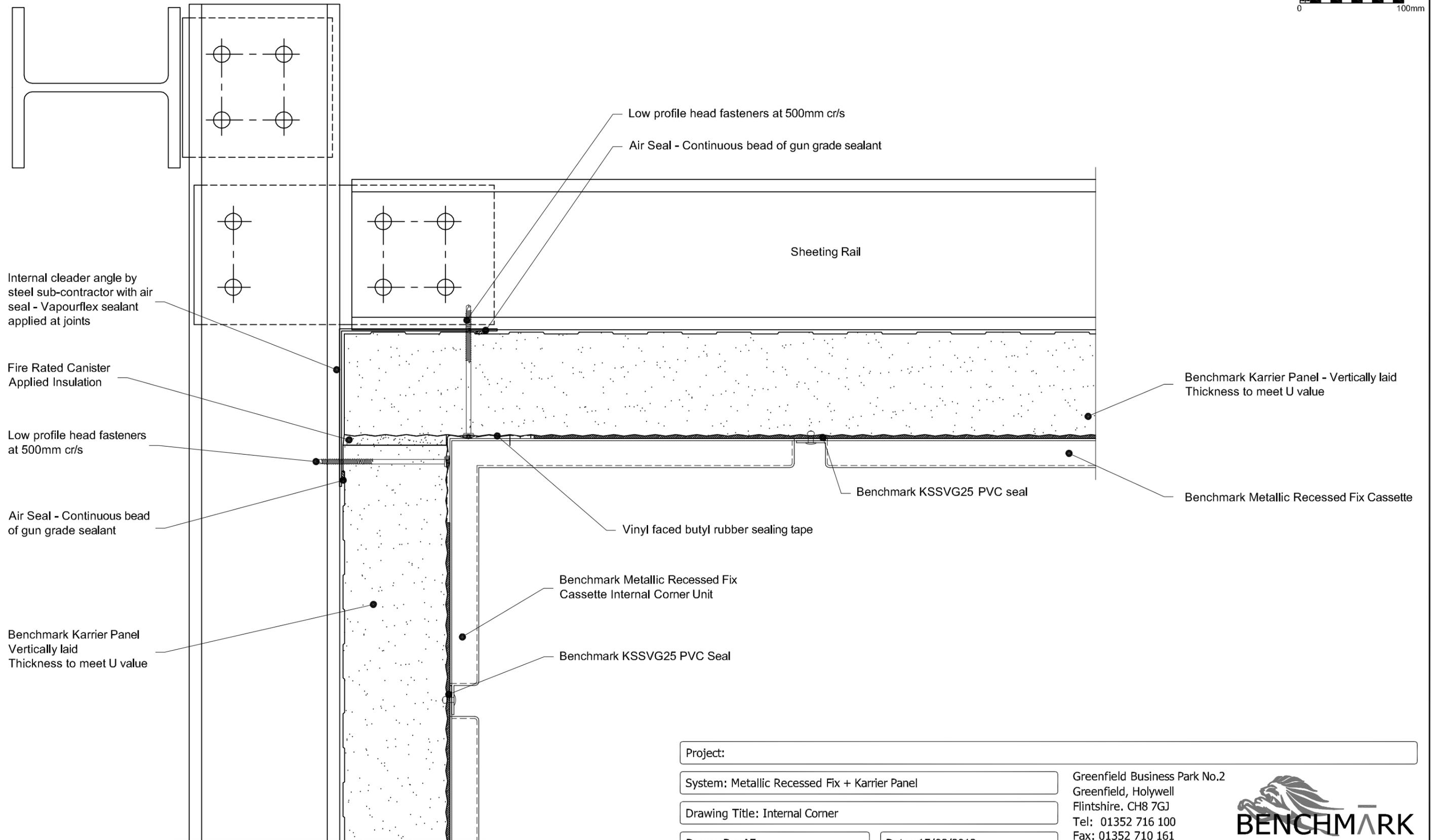
Email: technical@kingspanbenchmark.com

Website: www.kingspanbenchmark.com

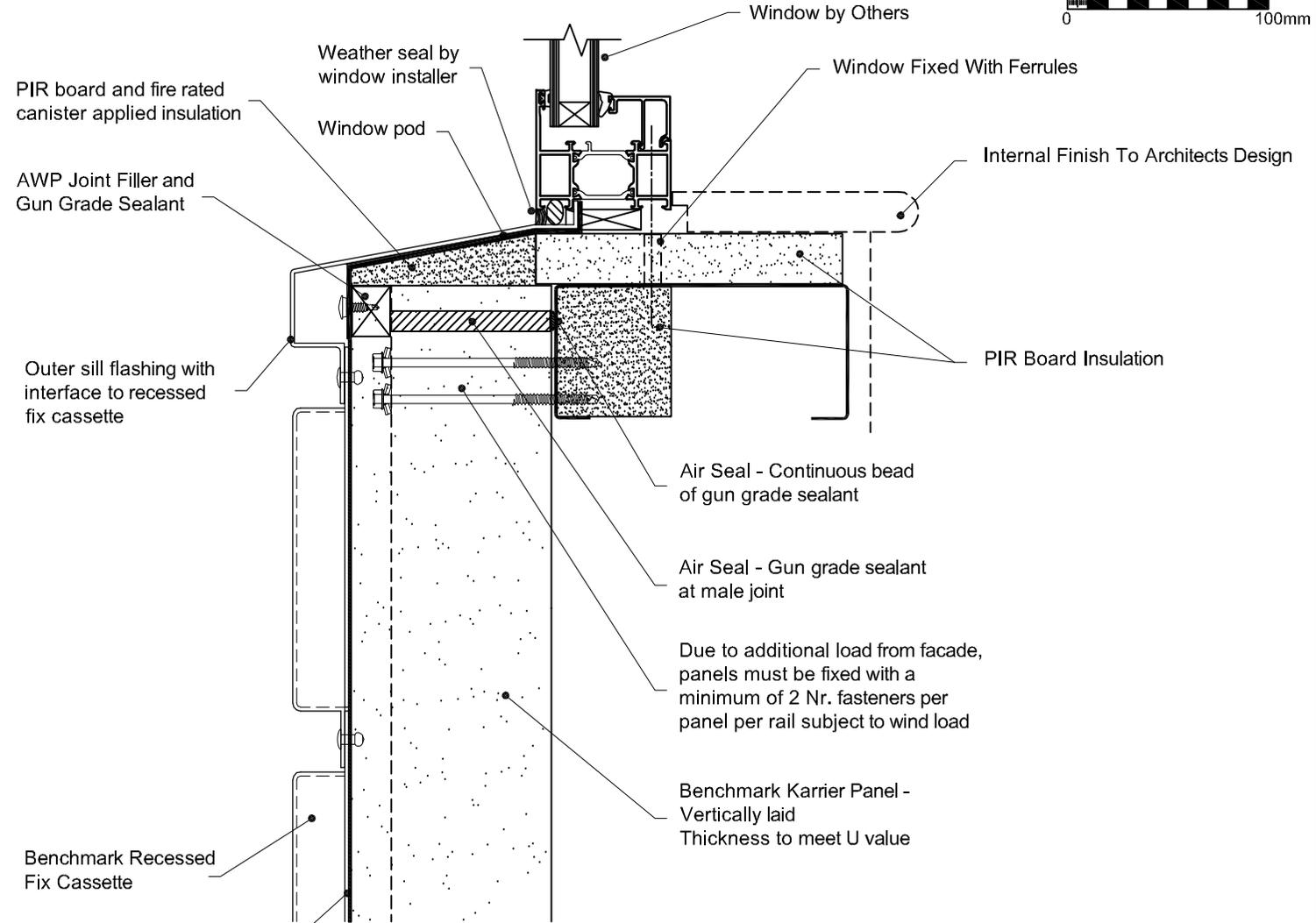


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Project:		
System: Metallic Recessed Fix + Karrier Panel		Greenfield Business Park No.2 Greenfield, Holywell Flintshire. CH8 7GJ Tel: 01352 716 100 Fax: 01352 710 161 Technical: 0800 970 9036 Email: technical@kingspanbenchmark.com Website: www.kingspanbenchmark.com
Drawing Title: Internal Corner		 By Kingspan © Kingspan 2013
Drawn By: AE	Date: 15/03/2012	
Drawing N ^o .: MRF Direct KP Vt 005	Rev: 0	



Project:		
System: Metallic Recessed Fix + Karrier Panel		Greenfield Business Park No.2 Greenfield, Holywell Flintshire, CH8 7GJ Tel: 01352 716 100 Fax: 01352 710 161 Technical: 0800 970 9036 Email: technical@kingspanbenchmark.com Website: www.kingspanbenchmark.com
Drawing Title: Window Sill		 By Kingspan © Kingspan 2013
Drawn By: AE	Date: 15/03/2012	
Drawing N°.: MRF Direct KP Vt 006	Rev: 0	

Benchmark KSSVG25
PVC Seal

Benchmark Metallic
Recessed Fix Cassette

Gun grade butyl rubber
sealant to vertical panel joint

Gun grade butyl rubber sealant

Outer Drip Trim

Fire rated canister
applied insulation

External Window Pod

Weather Seal by Window Installer

Benchmark Karrier Panel -
Vertically laid
Thickness to meet U value

Gun grade butyl rubber sealant
taken across panel joint

Air Seal - Gun Grade Sealant At
Male Joint

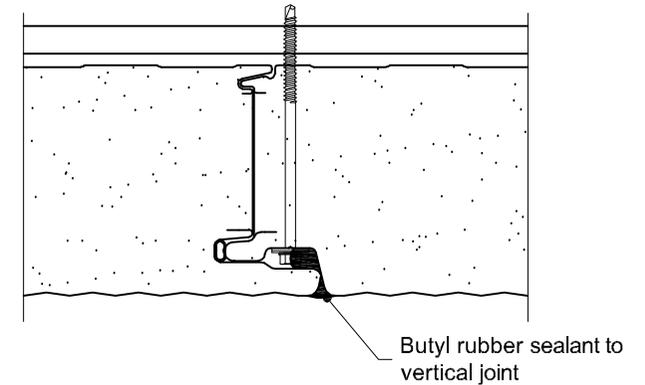
Air Seal - Continuous bead of gun
grade sealant

Due to additional load from facade,
panels must be fixed with a
minimum of 2 Nr. fasteners per
panel per rail subject to wind load

PIR Board Insulation

Internal Finish To Architects Design

Window By Others



Vertical Joint Detail at Window Head

Note

Vertical panel joints above window pod to be sealed with butyl rubber sealant (see detail).

Project:

System: Metallic Recessed Fix + Karrier Panel

Drawing Title: Window Head

Drawn By: AE

Date: 15/03/2012

Drawing No.: MRF Direct KP Vt 007

Rev: 0

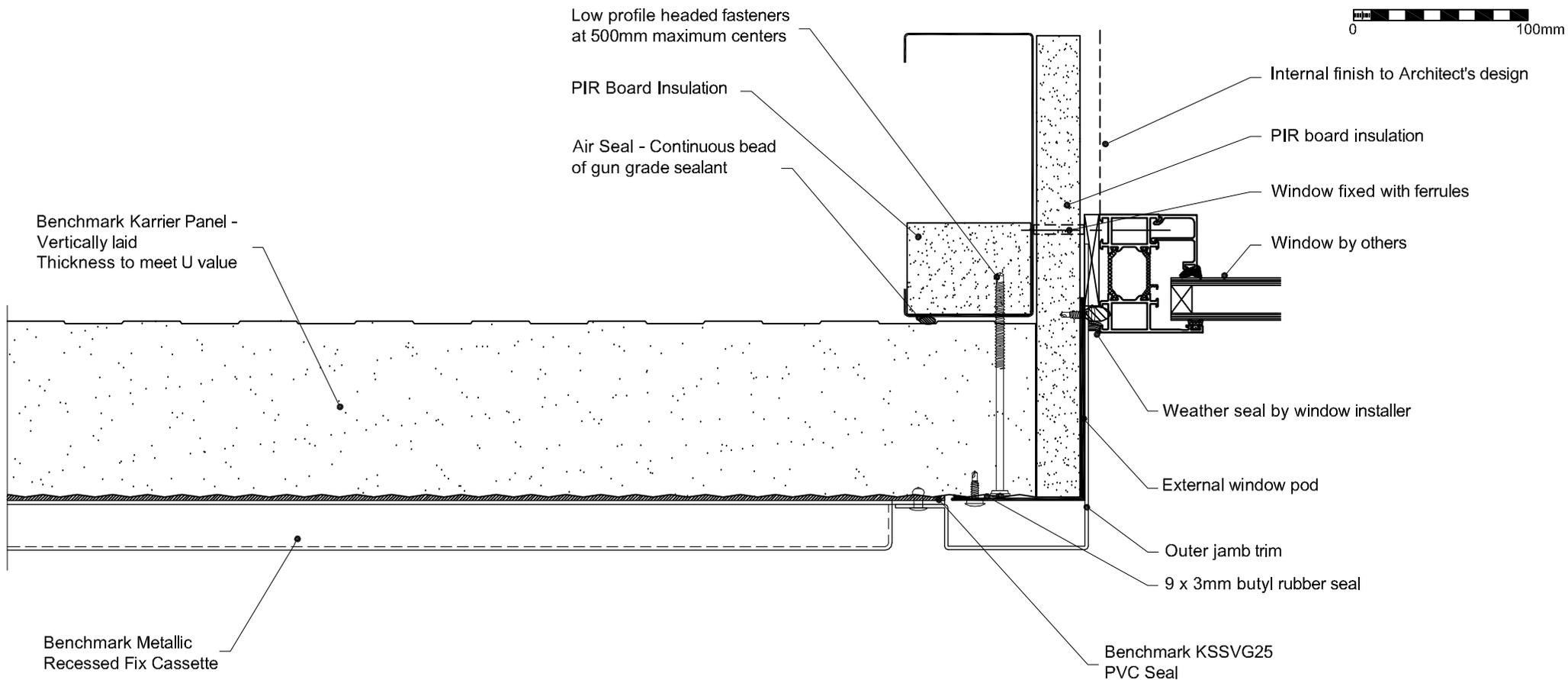
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Project:

System: Metallic Recessed Fix + Karrier Panel

Drawing Title: Window Jamb

Drawn By: AE

Date: 15/03/2012

Drawing N^o.: MRF Direct KP Vt 008

Rev: 0

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BENCHMARK

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Benchmark KSSVG25
PVC Seal

Benchmark Metallic
Recessed Fix Cassette

Gun grade butyl rubber
sealant to vertical panel joint

Gun grade butyl rubber sealant

Outer Drip Trim

Fire rated canister
applied insulation

External door pod

Weather seal by door installer

Benchmark Karrier Panel -
Vertically laid
Thickness to meet U value

Gun grade butyl rubber sealant
taken across panel joint

Air Seal - Gun grade sealant at
male joint

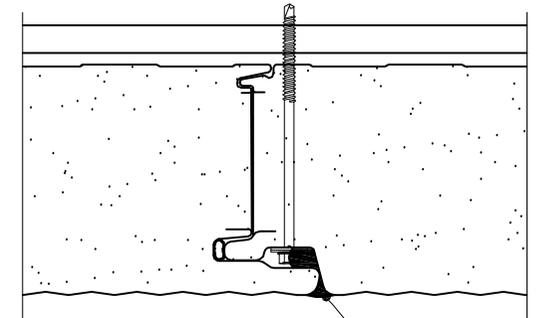
Air Seal - Continuous bead of gun
grade sealant

Due to additional load from facade,
panels must be fixed with a
minimum of 2 Nr. fasteners per
panel per rail subject to wind load

PIR board insulation

Internal finish to Architects design

Door by others



Butyl rubber sealant to
vertical joint

Vertical Joint Detail at Door Head

Note
Vertical panel joints above window pod to be
sealed with butyl rubber sealant (see detail).

Project:

System: Metallic Recessed Fix + Karrier Panel

Drawing Title: Door Head

Drawn By: AE

Date: 15/03/2012

Drawing N°.: MRF Direct KP Vt 009

Rev: 0

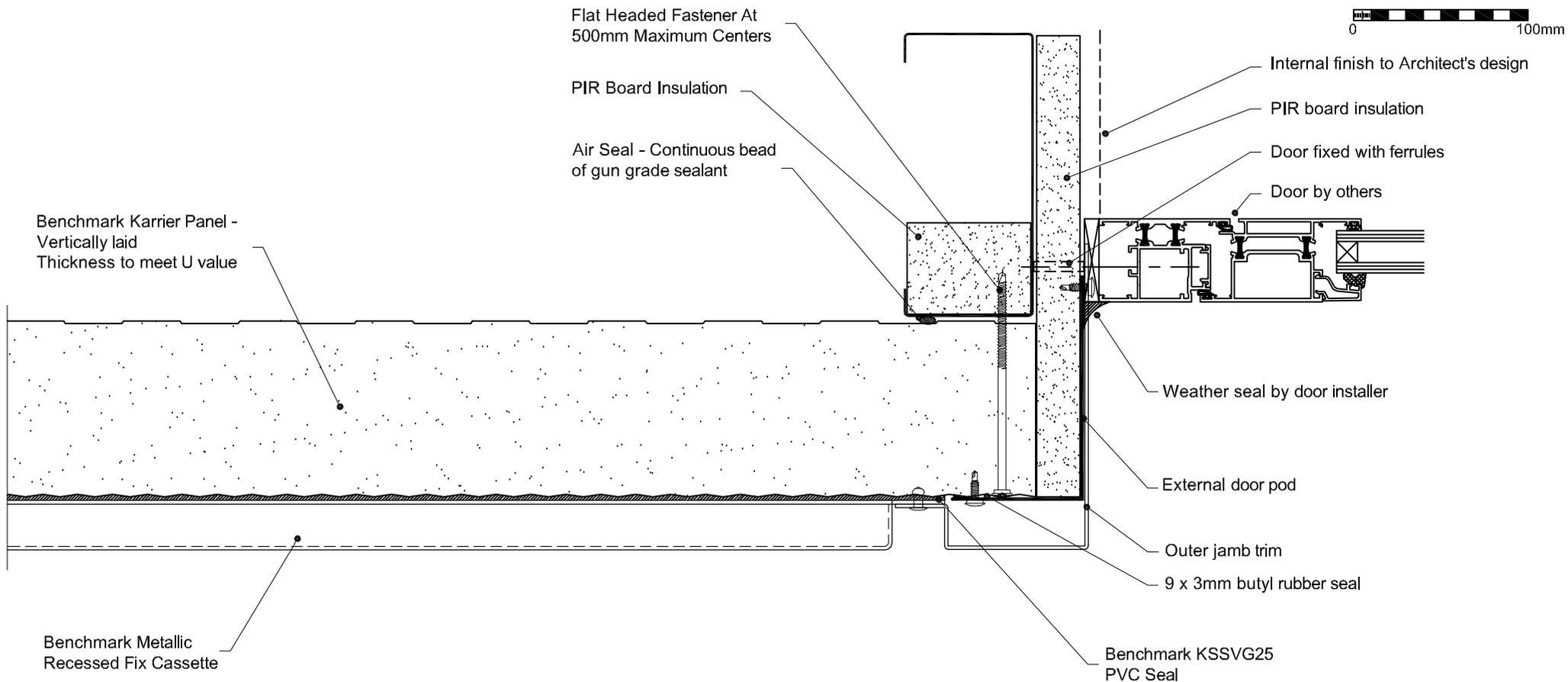
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Project:

System: Metallic Recessed Fix + Karrier Panel

Drawing Title: Door Jamb

Drawn By: AE

Date: 15/03/2012

Drawing N^o.: MRF Direct KP Vt 010

Rev: 0

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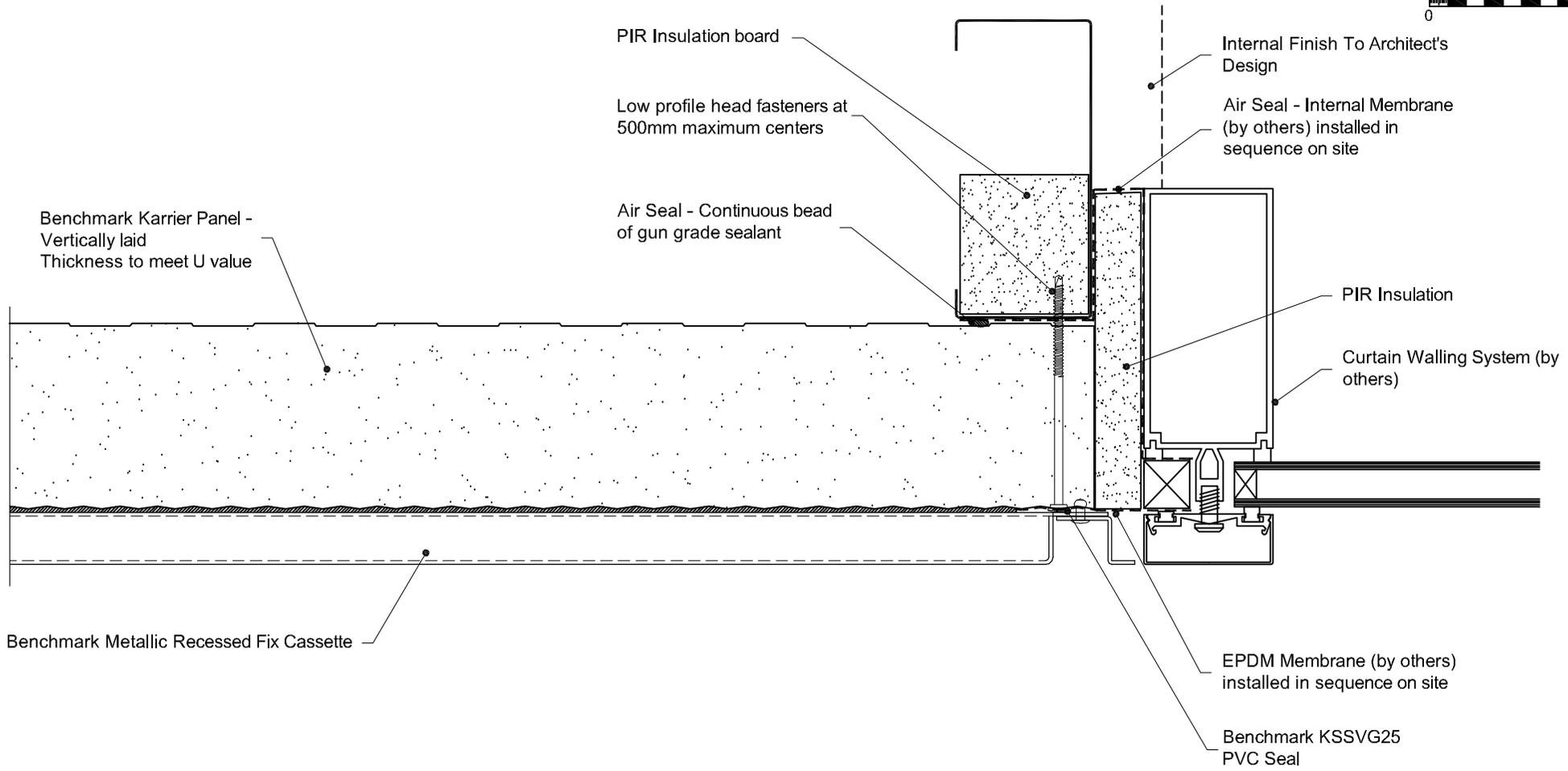
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BENCHMARK

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Project:

System: Metallic Recessed Fix + Karrier Panel

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Greenfield, Holywell
Flintshire, CH8 7GJ
Tel: 01352 716 100
Fax: 01352 710 161

Drawing Title: Curtain Walling Jamb

Drawn By: AE

Date: 15:08:2011

Technical: 0800 970 9036
Email: technical@kingspanbenchmark.com
Website: www.kingspanbenchmark.com

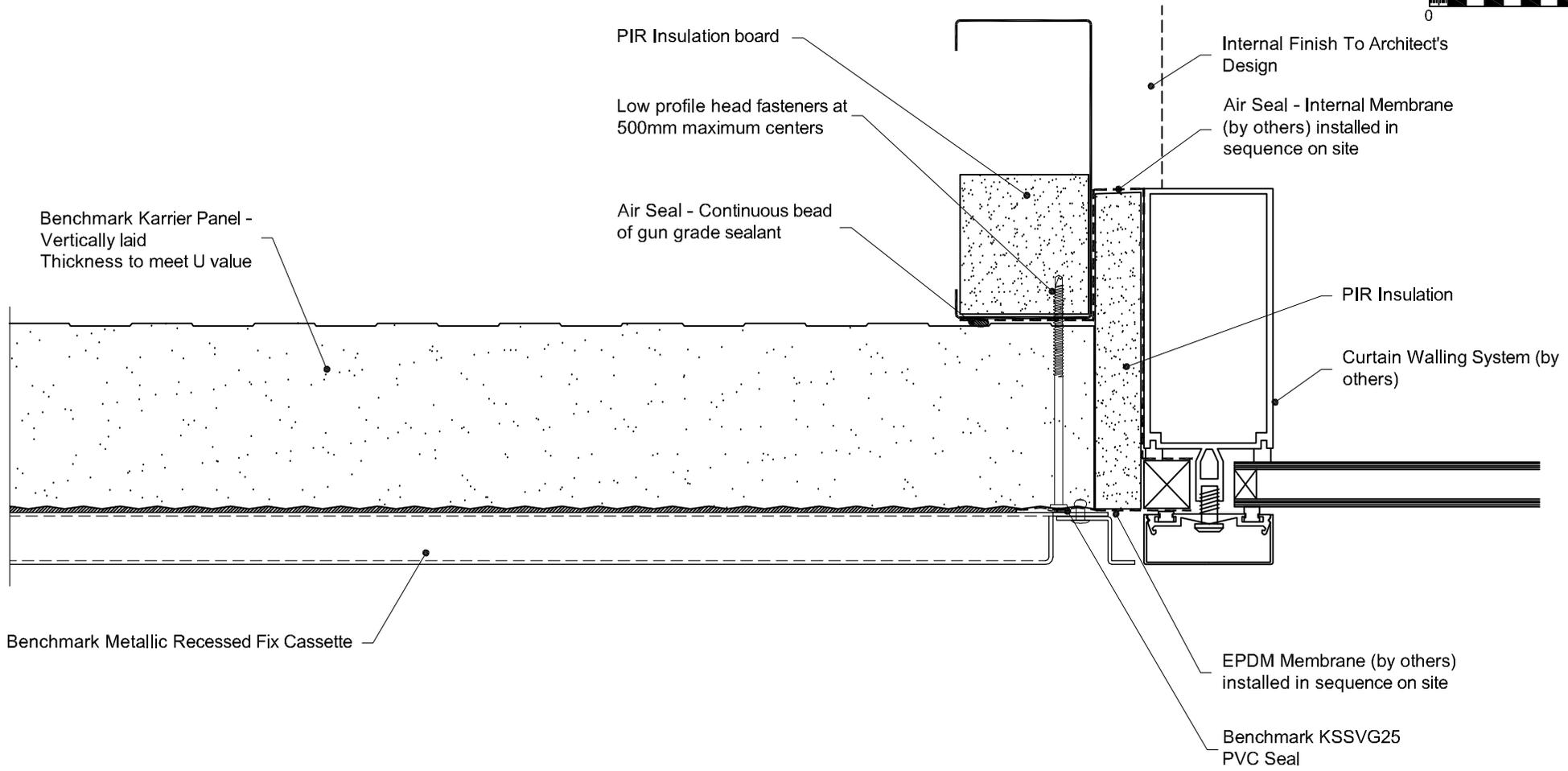
Drawing N°. : MRF Direct KP Vt 012

Rev: 0



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Benchmark Karrier Panel -
Vertically laid
Thickness to meet U value

PIR Insulation board

Low profile head fasteners at
500mm maximum centers

Air Seal - Continuous bead
of gun grade sealant

Internal Finish To Architect's
Design

Air Seal - Internal Membrane
(by others) installed in
sequence on site

PIR Insulation

Curtain Walling System (by
others)

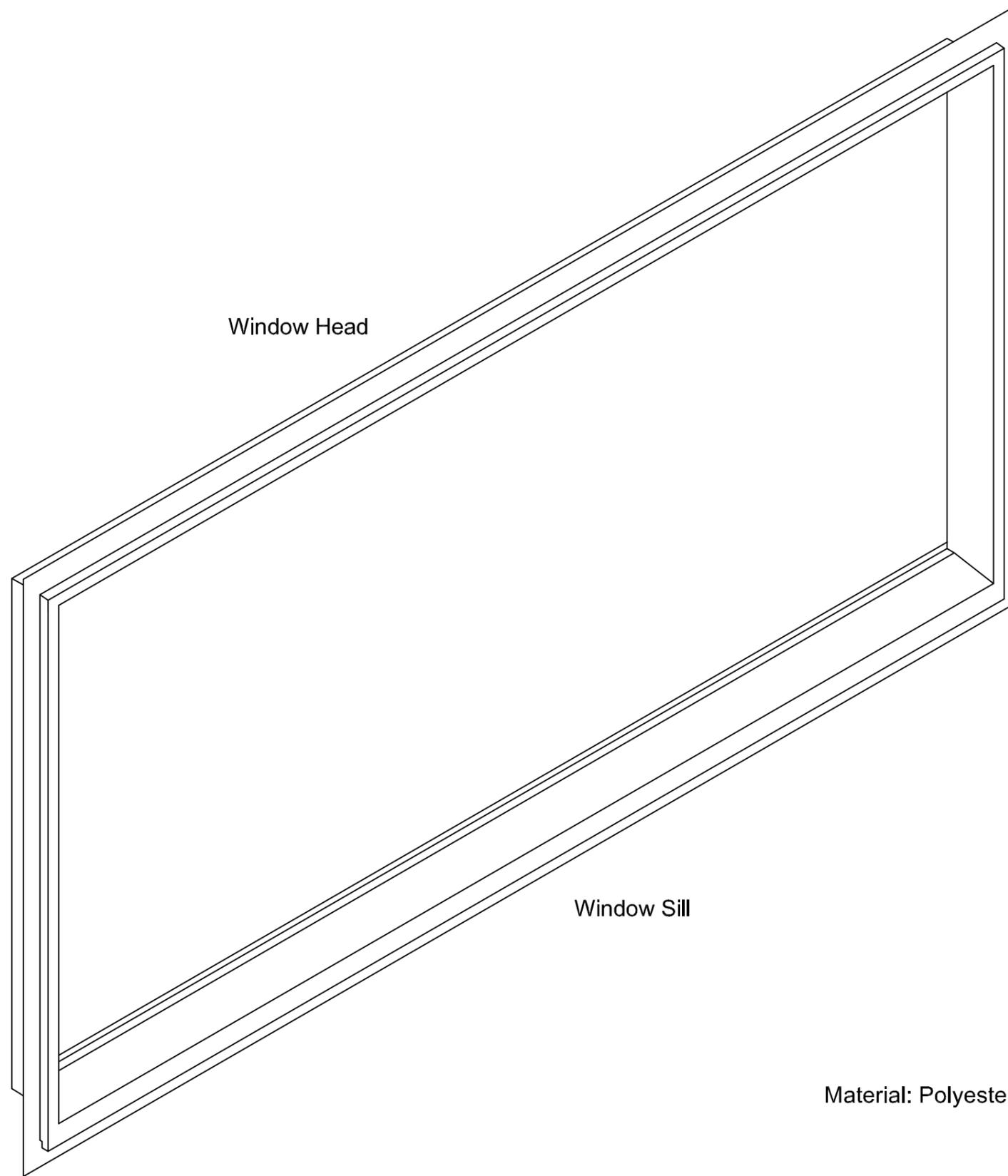
Benchmark Metallic Recessed Fix Cassette

EPDM Membrane (by others)
installed in sequence on site

Benchmark KSSVG25
PVC Seal

Project:		
System: Metallic Recessed Fix + Karrier Panel		Greenfield Business Park No.2 Greenfield, Holywell Flintshire, CH8 7GJ
Drawing Title: Curtain Walling Jamb		Tel: 01352 716 100 Fax: 01352 710 161
Drawn By: AE	Date: 15:08:2011	Technical: 0800 970 9036
Drawing N ^o .: MRF Direct KP Vt 012	Rev: 0	Email: technical@kingspanbenchmark.com Website: www.kingspanbenchmark.com





Window Head

Window Jamb

Window Sill

Material: Polyester Powder Coated or Mill Finished Aluminium

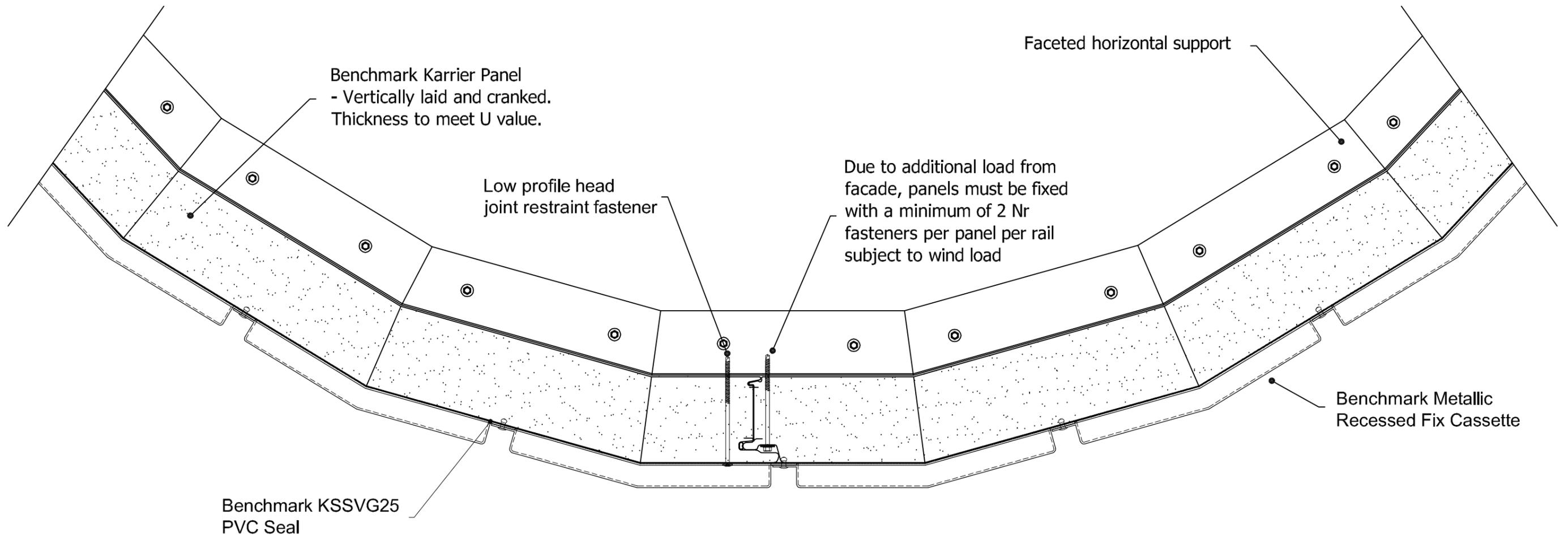
Generic only - component dimensions tailored to suit specific application

Project:	
System: Metallic Recessed Fix + Karrier Panel	Greenfield Business Park No.2 Greenfield, Holywell Flintshire. CH8 7GJ
Drawing Title: Window Pod - Isometric	Tel: 01352 716 100 Fax: 01352 710 161
Drawn By: AE	Date: 15/03/2012
Drawing N°. MRF Direct KP Vt 013	Rev: 0
Technical: 0800 970 9036 Email: technical@kingspanbenchmark.com Website: www.kingspanbenchmark.com	



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System: Metallic Recessed Fix + Karrier Panel		 By Kingspan © Kingspan 2013	
Drawing Title: Curved Wall Detail			
Drawn By: AE	Date: 15/03/2012		
Drawing N°. MRF Direct KP Vt 014	Rev: 0		

AWP joint filler and gun grade sealant

Air Seal - Gun grade sealant at male joint

Air Seal - Continuous bead of gun grade sealant

Due to additional load from facade, panels must be fixed with a minimum of 2 Nr fasteners per panel per rail subject to wind load

Benchmark KSSVG25 PVC Seal

Benchmark Metallic Recessed Fix Cassette

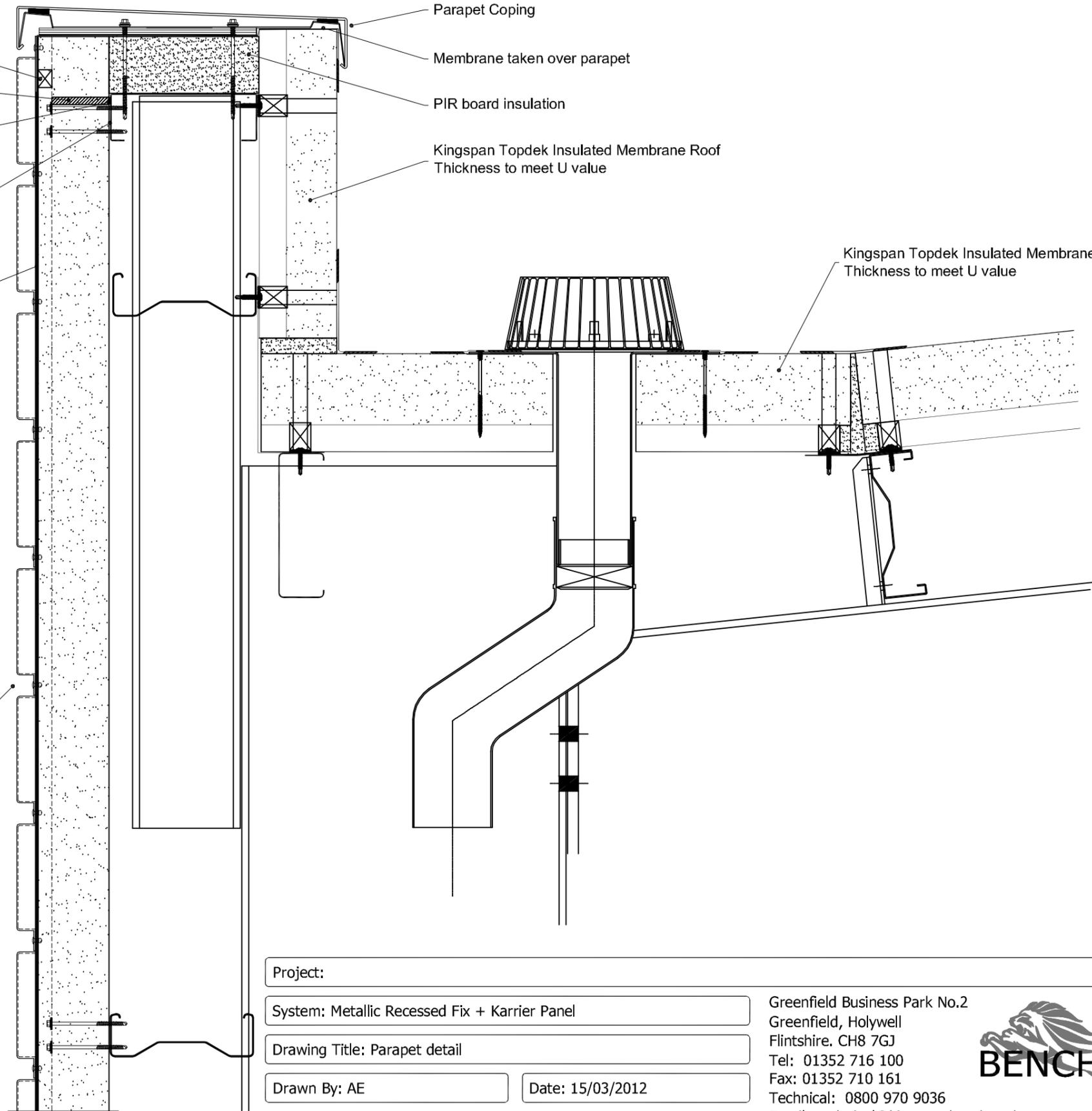
Parapet Coping

Membrane taken over parapet

PIR board insulation

Kingspan Topdek Insulated Membrane Roof Thickness to meet U value

Kingspan Topdek Insulated Membrane Roof Thickness to meet U value



Project:

System: Metallic Recessed Fix + Karrier Panel

Drawing Title: Parapet detail

Drawn By: AE

Date: 15/03/2012

Drawing N^o.: MRF Direct KP Vt 015

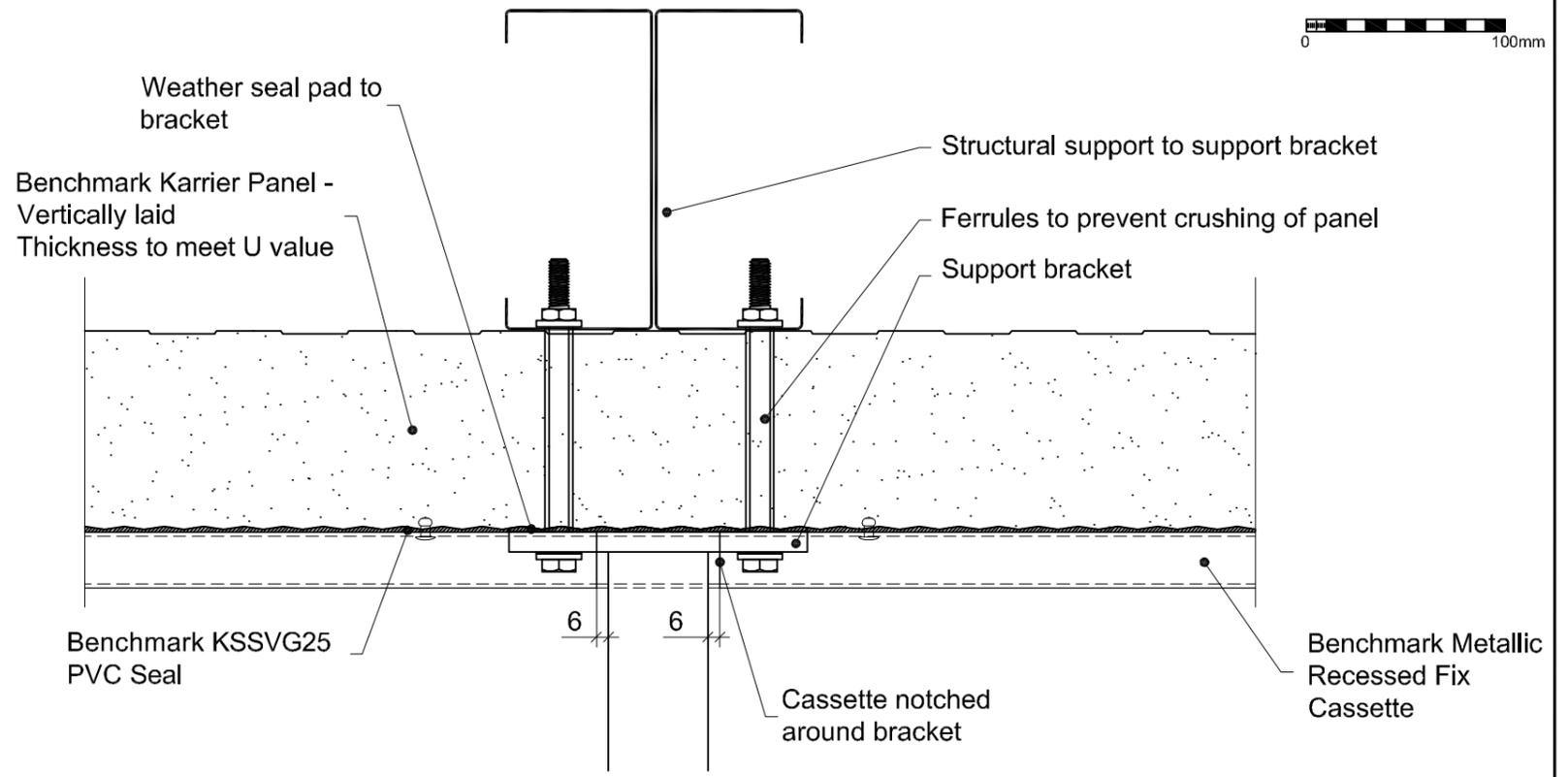
Rev: 0

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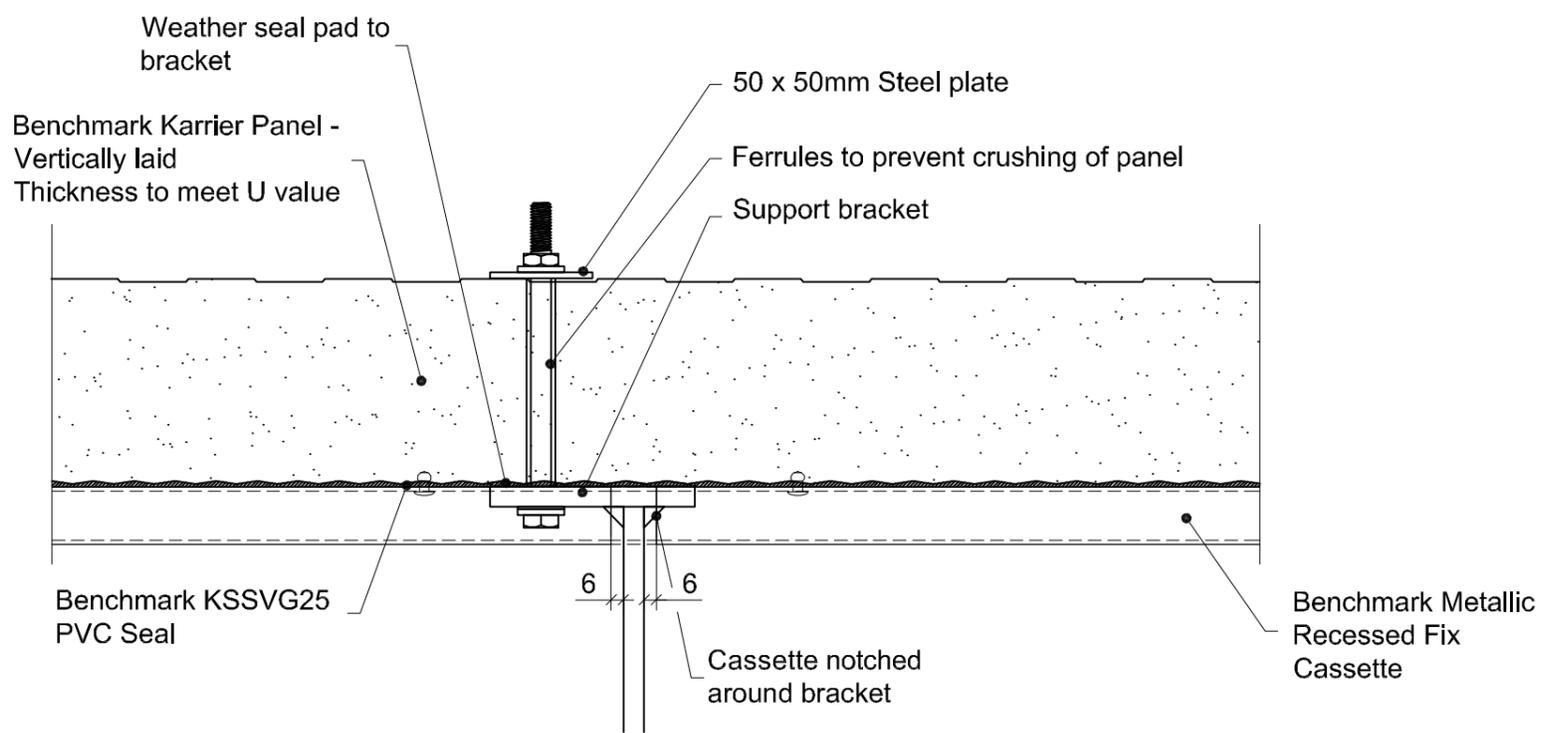


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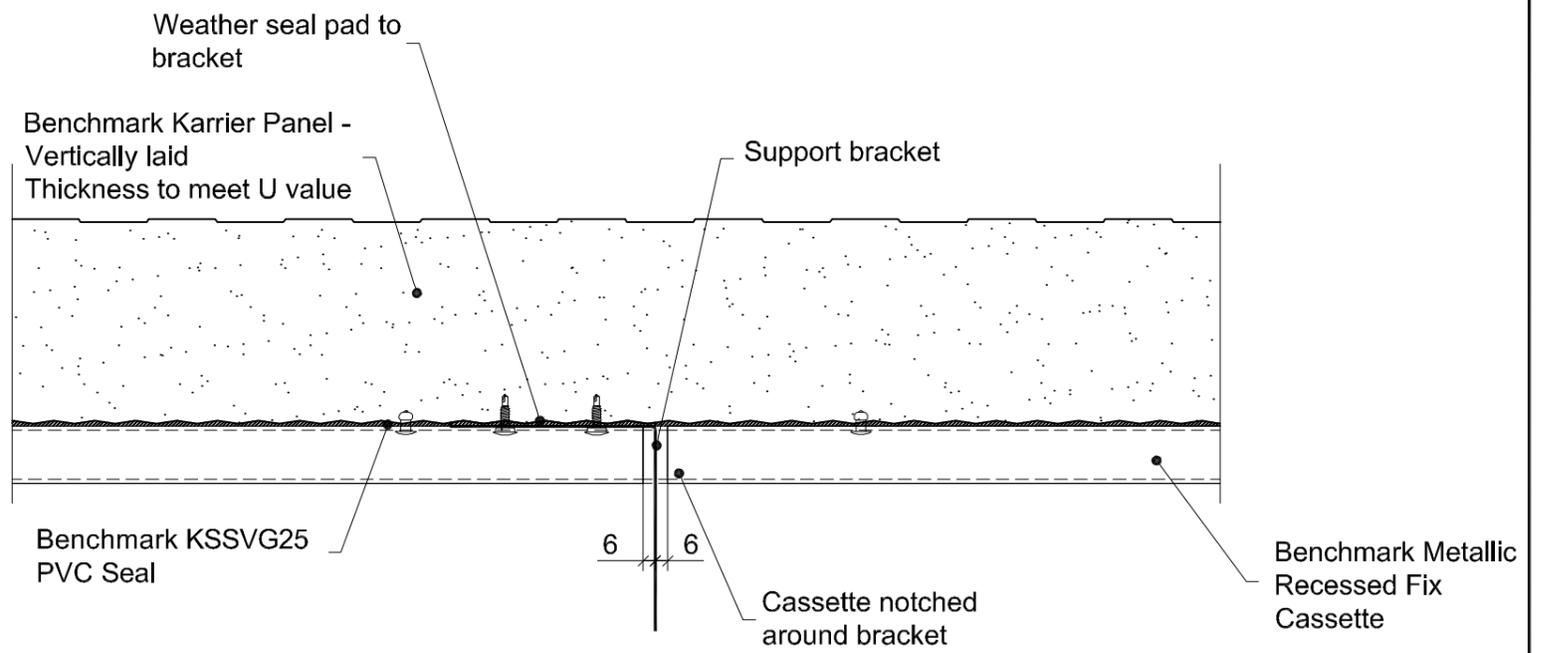
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For Weights Over 20kg



For Weights Upto 20kg



For Weights Upto 5kg

Longitudinal Sections Through Elevation

Project:

System: Metallic Interlocking Plank + Karrier Panel

Drawing Title: Signage, Brise Soleil and Support Bracket Detail

Drawn By: AE

Date: 15/03/2012

Drawing N^o.: MRF Direct KP Vt 016

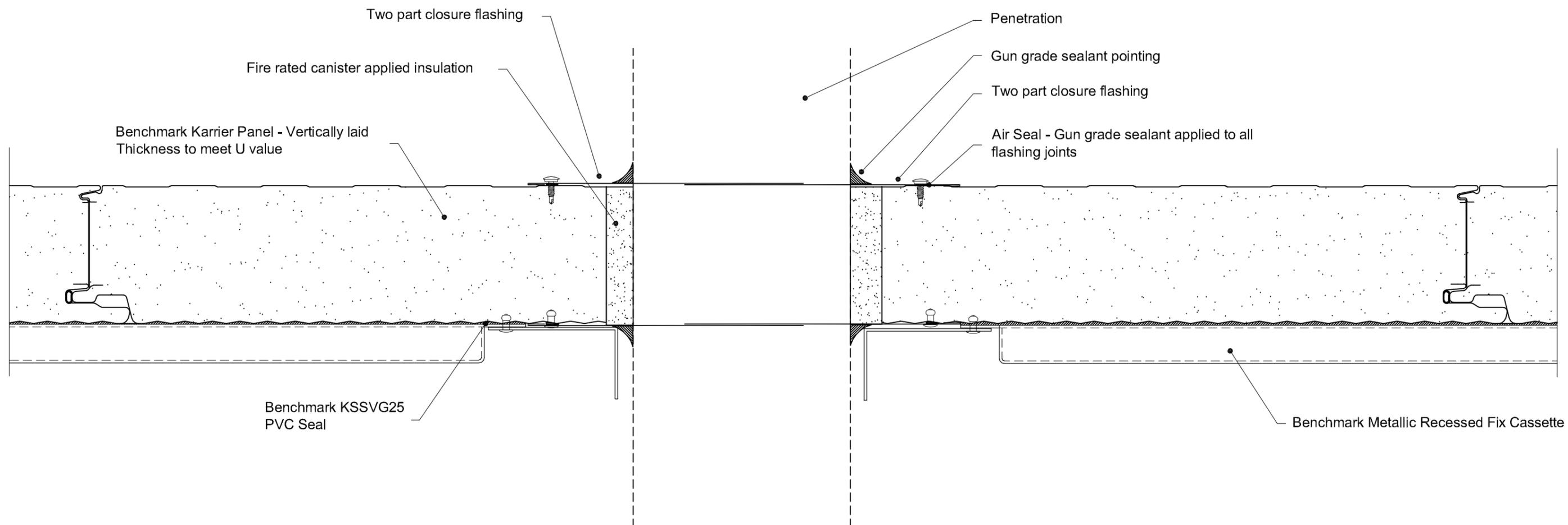
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Any penetration must be a minimum of 100mm from the joint in the Karrier Panel.
Maximum penetration size of 300mm without structural trimmers to support Karrier Panel.

Project:

System: Metallic Recessed Fix + Karrier Panel

Drawing Title: Penetration Detail

Drawn By: AE

Date: 15/03/2012

Drawing N^o.: MRF Direct KP Vt 017

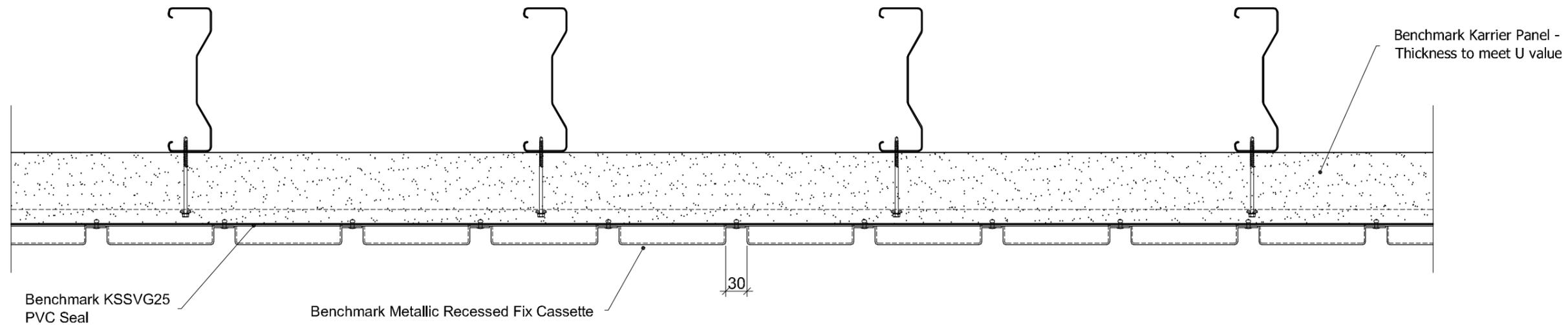
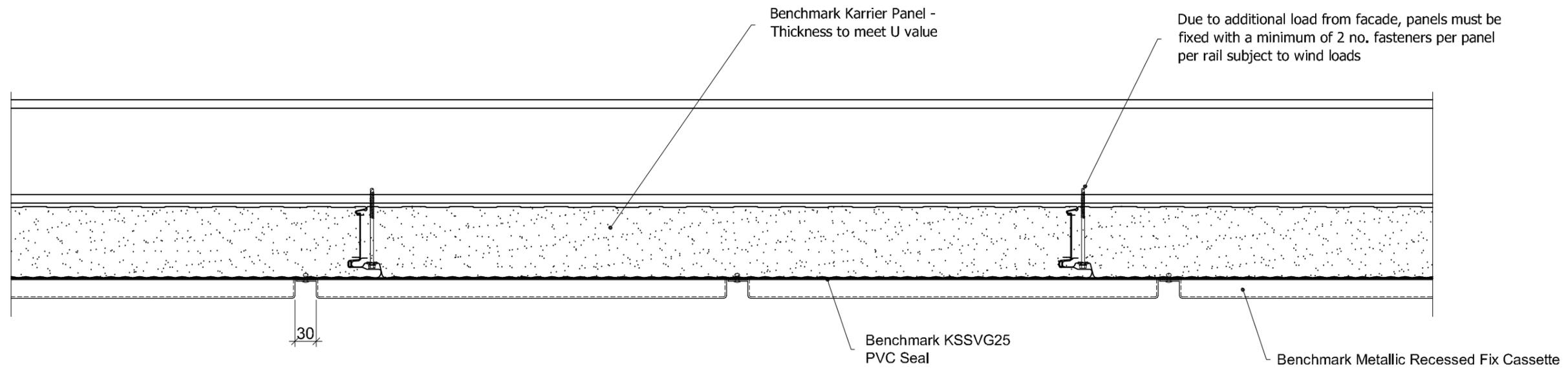
Rev: 0

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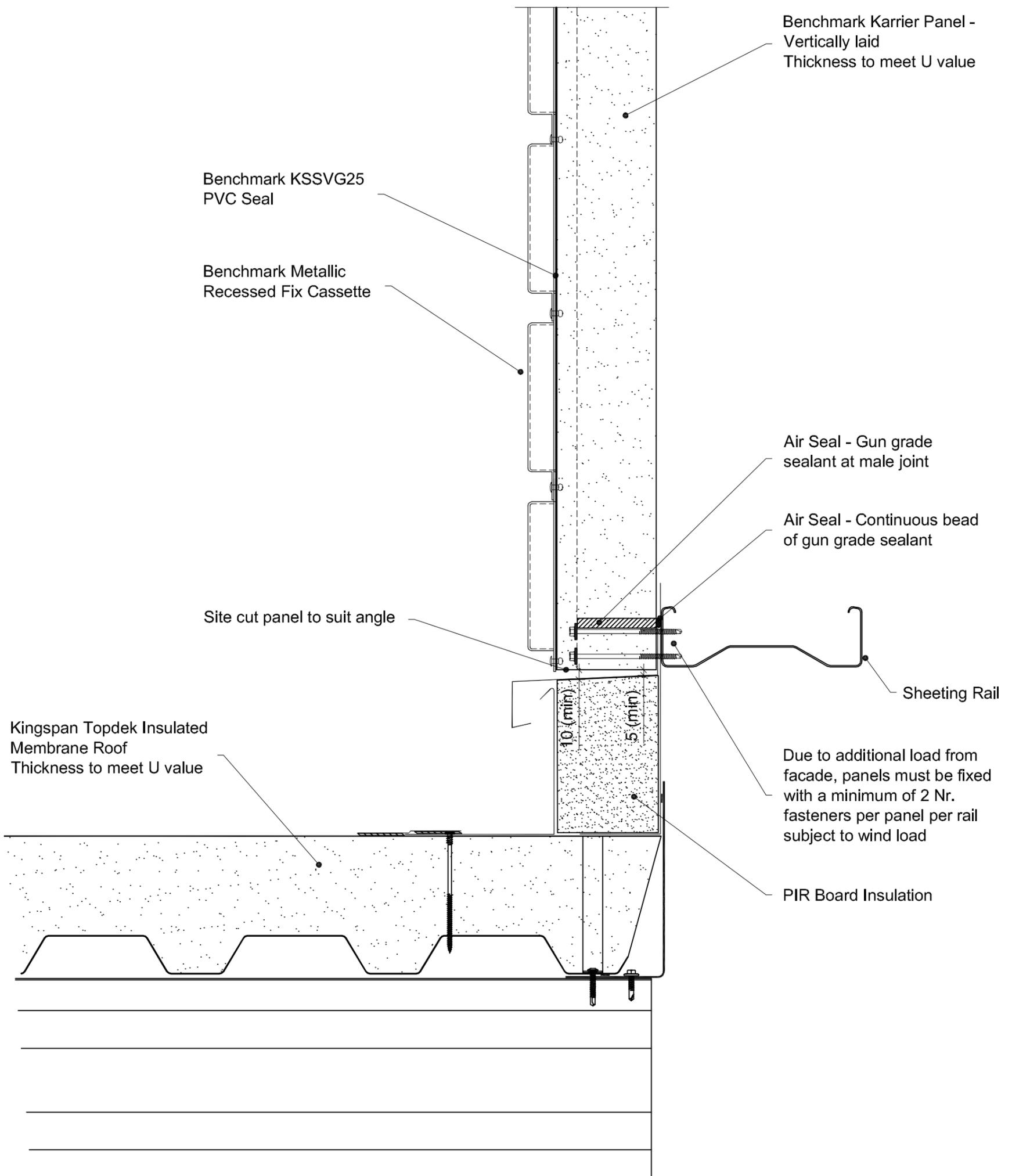
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Project:		Greenfield Business Park No.2	
System: Metallic Recessed Fixed + Karrier Panel		Greenfield, Holywell	
Drawing Title: Soffit Details		Flintshire. CH8 7GJ	
Drawn By: AE	Date: 15/03/2012	Tel: 01352 716 100	
Drawing N ^o .: MRF Direct KP Vt 018	Rev: 0	Fax: 01352 710 161	
		Technical: 0800 970 9036	
		Email: technical@kingspanbenchmark.com	
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Project:

System: Metallic Recessed Fix + Karrier Panel

Drawing Title: Spandrel Detail

Drawn By: AE

Date: 15/03/2012

Drawing N^o.: MRF Direct KP Vt 019

Rev: 0

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Benchmark KSSVG25
PVC Seal

Benchmark Metallic
Recessed Fix Cassette

Air seal - Gun grade
sealant at male joint

Air seal - EPDM membrane

Movement
required

Movement Cassette

EPDM Membrane

AWP joint filler and
gun grade sealant

Slotted connection

Benchmark Metallic
Recessed Fix Cassette

Air seal - Gun grade
sealant at male joint

Project:

System: Metallic Recessed Fix Cassette + Karrier Panel

Drawing Title: Movement Joint Detail

Drawn By: AE

Date: 15/03/2012

Drawing N^o. MRF Direct KP Vt 100

Rev: 0

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