

## Sheet List

Sheet Number	Sheet Name
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VIK_WRE_000_NOTES001	Best practice design in Membrane Roofing
VIK_WRE_000_NOTES002	Revit Notes
VIK_WRE_001_PENEOUTL	Penetration_Outlet and Overflow
VIK_WRE_002_PENEBALC	Penetration_Balcony Drain 80mm
VIK_WRE_003_PENESUMP	Penetration_Sump Outlet with Overflow
VIK_WRE_004_PENEPLIN	Penetration_Plinth direction to divert watershed
VIK_WRE_004A_PENECRIK	Penetration_Cricket Diverter for watershed
VIK_WRE_005_VERTPIPE	Penetration_Vertical pipe
VIK_WRE_005A_HORIPPIPE	Penetration_Horizontal pipe
VIK_WRE_006_VERTDUCT	Penetration_Vertical ducting pipe
VIK_WRE_006A_HORIDUCT	Penetration_Horizontal ducting pipe
VIK_WRE_007_PENEFLUE	Penetration_Flue or Oversize Pipe
VIK_WRE_008_SKYLACCH	Penetration_Skylight or Roof Access hatch
VIK_WRE_009_POSTDECK	Penetration_Square Post through decking
VIK_WRE_010_PENETPO	Penetration_TPO Pourable pocket and sealant
VIK_WRE_011_PENEPOST	Penetration_Post or Rail for Plant Room equipment
VIK_WRE_012_PENEPLIN	Penetration_Plinth base for Balustrade
VIK_WRE_013_PENEPLIN	Penetration_Plinth for concrete or timber
VIK_WRE_014_PENEACOU	Penetration_Acoustic Mounting Block
VIK_WRE_015_PENEJOT	Penetration_EJOT Plinth for Enviroclad
VIK_WRE_030_VERGBARG	Verge_Barge
VIK_WRE_031_VERGBARG	Verge_Barge with Low Profile AFS
VIK_WRE_031A_VERGBARG	Verge_Barge with Low Profile AFS in ISOMETRIC
VIK_WRE_032_VERGDRIPI	Verge_Drip edge to External Spouting
VIK_WRE_033_VERGEDGE	Verge_edge with wall continuing, Diverter for cladding
VIK_WRE_033A_VERGEDGE	Verge_edge with wall returning, Diverter for cladding
VIK_WRE_040_PARACAP	Parapet_with Cap concrete wall
VIK_WRE_040A_PARAWALL	Parapet_Timber wall ISO
VIK_WRE_041_PARASCUP	Parapet_with scupper outlet
VIK_WRE_042_PARAOVER	Parapet_with overflow
VIK_WRE_050_GUTTOUTL	Internal Gutter_with outlet
VIK_WRE_051_GUTTWALL	Internal Gutter_to Wall
VIK_WRE_052_GUTTWALL	Internal Gutter_with outlet / overflow
VIK_WRE_060_INTSECRN	Intersection_External corner
VIK_WRE_061_INTSICNR	Intersection_Internal corner
VIK_WRE_062_INTSSUBS	Intersection_Substrate Expansion

## Sheet List

Sheet Number	Sheet Name
VIK_WRE_062A_INTSSUBS	Intersection_Substrate Expansion Ply to Concrete
VIK_WRE_063_INTSSEIS	Intersection_Seismic Gap Generic
VIK_WRE_064_INTSRIDG	Intersection_Ridge / Hip
VIK_WRE_065_INTSVALL	Intersection_Valley
VIK_WRE_066_INTSSHEL	Intersection_Sheet Lap
VIK_WRE_067_INTSSHTT	Intersection_Sheet T-Joint
VIK_WRE_068_INTSLAPT	Intersection_Lap Transition
VIK_WRE_070_RJUNUPST	Roof Junction_Upstand to Pitched Roofing
VIK_WRE_070A_RJUNUPST	Roof Junction_Polyiso Upstand to Pitched Roofing
VIK_WRE_072_RJUNGUTI	Roof Junction_Metal Roof to Internal Gutter
VIK_WRE_073_RJUNMANV	Roof Junction_Mansard Verge
VIK_WRE_074_RJUNDORM	Roof Junction_Dormer ISO
VIK_WRE_074A_RJUNDORM	Roof Junction_Dormer Gutter
VIK_WRE_080_APRNUPST	Apron_Upstand behind cladding
VIK_WRE_080A_APRNURAB	Apron_Upstand to RAB behind cladding
VIK_WRE_081_APRNUTER	Apron_Upstand terminations without cladding
VIK_WRE_090_DOORTHRS	Threshold_Door
VIK_WRE_091_WINDTHRS	Threshold_Window
VIK_WRE_100_DECKBALU	Deck_Balustrade
VIK_WRE_101_DECKBALU	Deck_Balustrade to External Spouting
VIK_WRE_120_ACCTPOWR	Accessories_Enviroclad TPO Weldable Rib



### Viking WarmRoof - Enviroclad Viking Roofspect Details Schedule

#### NOTES:

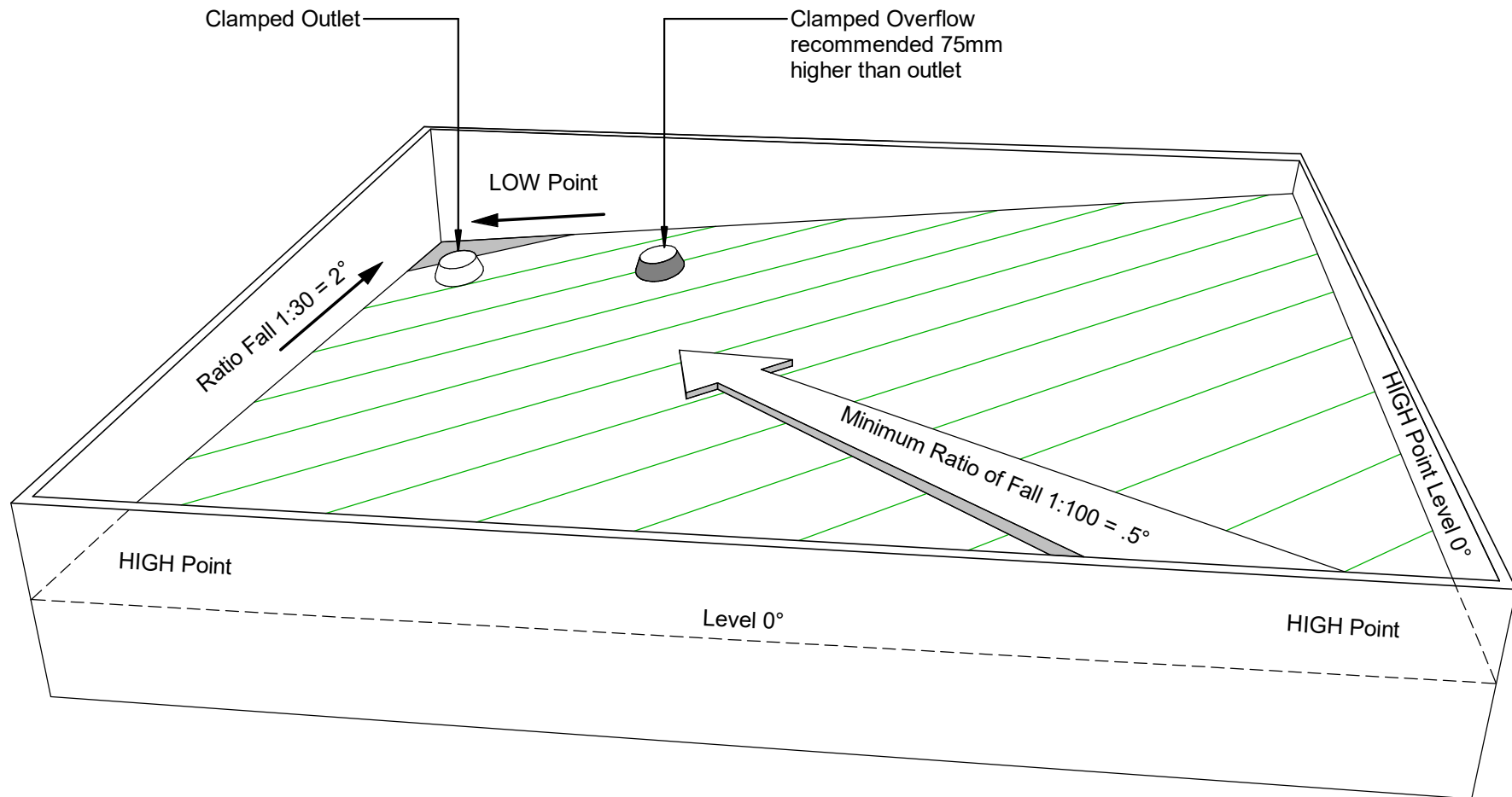
- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

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#### DRAWING

#### INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WRE_000_INDEX001		



NOTE: For low risk design, Roofspec would recommend drainage to external spouting. When the roof is designed with enclosed parapets, consider using this methodology, to eliminate the requirement for internal gutters.

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Best practice design in Membrane Roofing

NOTES:

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WarmRoof System is Branz  
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:			

VIK\_WRE\_000\_NOTES001

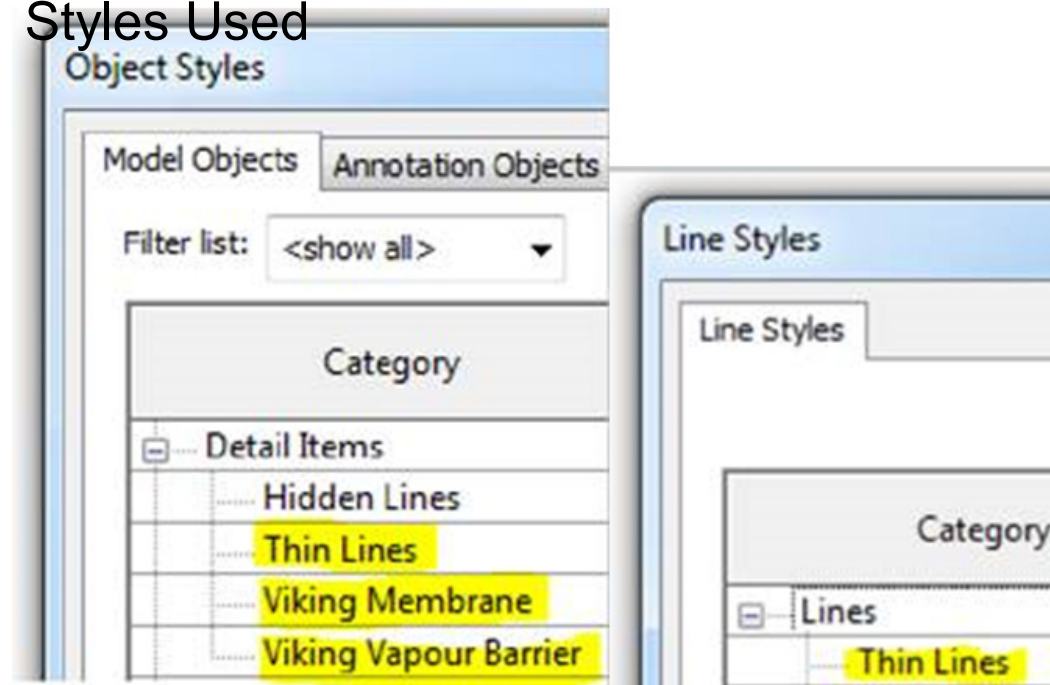
# Viking Details - Revit

## Notes

All Viking Revit Families:

1. Are made natively within Revit (no CAD imports).
2. Have instance-based lengths (where relevant) allowing for easy push/pull length changes.
3. Have pre-populated type parameter "descriptions" allowing for automatic notation by multi-category tagging.
4. Have minimal object style/ linestyles so your project doesn't get cluttered (the Viking components are coloured within this project by the use of view filters)

## Revit Object and Line Styles Used

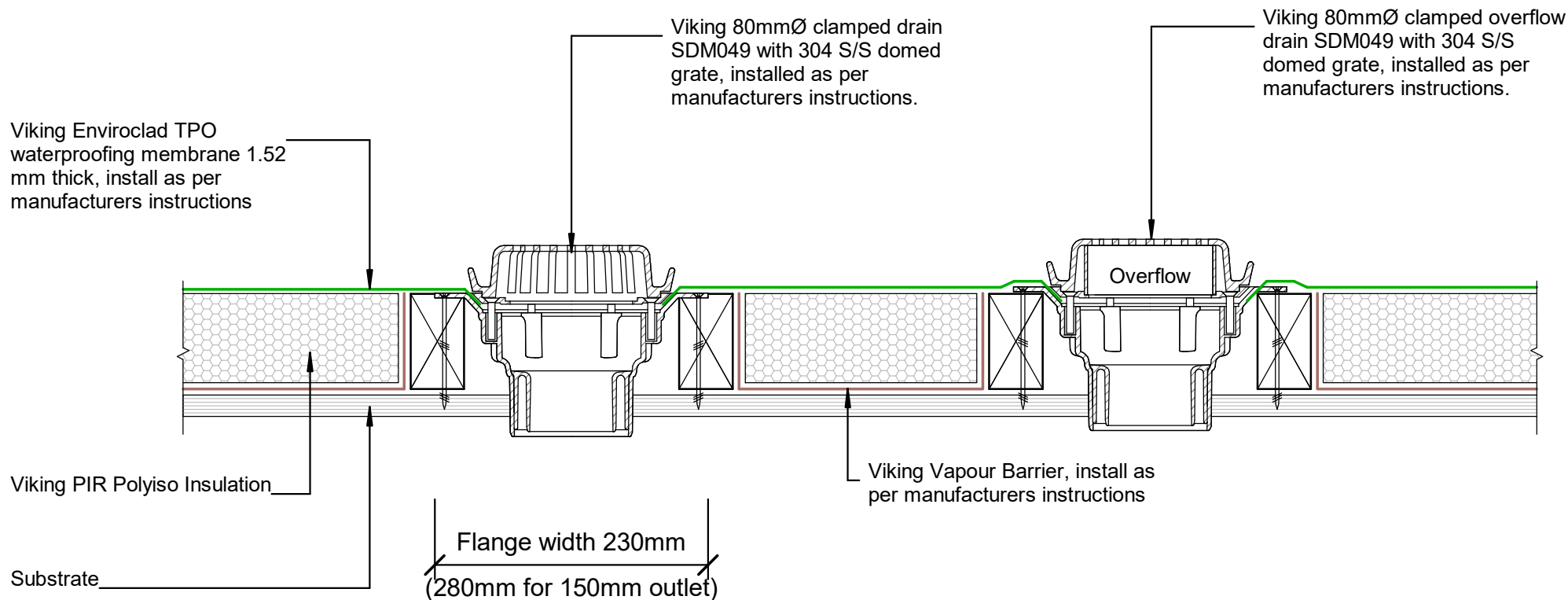


### NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

### DRAWING

### INFORMATION ONLY



NOTE:  
Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

NOTE:  
1/ Overflow to match outlet capacity.  
2/ Overflow to be plumbed independent of stormwater, through soffit or exterior wall

#### DRAWING TITLE

Viking WarmRoof - Enviroclad  
Penetration\_Outlet and Overflow

#### NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
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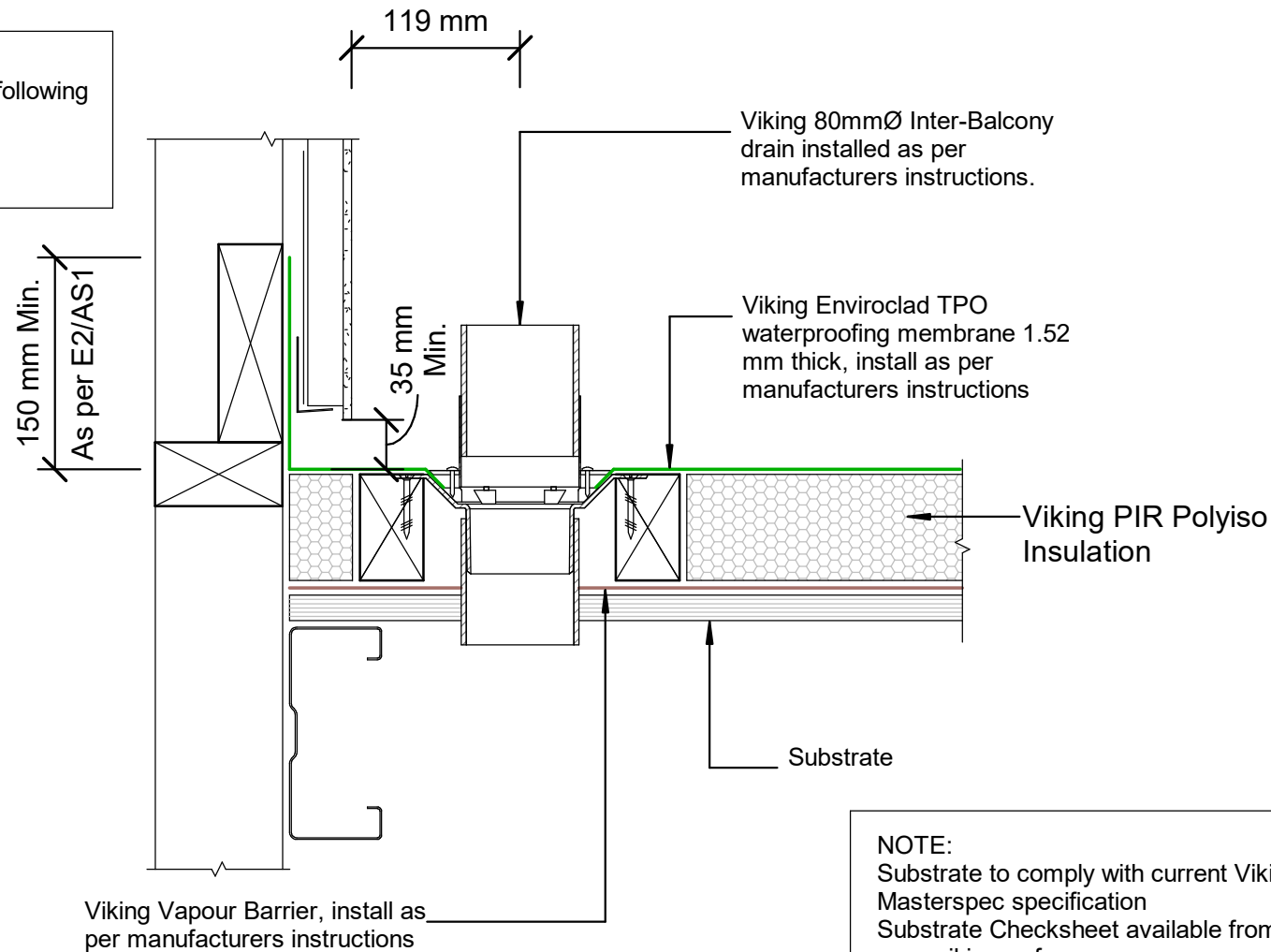
#### DRAWING

#### INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		

Detail Ref: **VIK\_WRE\_001\_PENEOUTL**

**NOTE:**  
Inter-Balcony drains are available in the following outlet diameter sizes:  
65mm / 80mm / 100mm / 150mm



**NOTE:**  
Substrate to comply with current Viking Roofs spec Masterspec specification  
Substrate Checksheet available from [www.vikingroofs spec.co.nz](http://www.vikingroofs spec.co.nz)

Screw fixing of Sump into recessed blocking

Leaf grate

Viking Enviroclad TPO waterproofing membrane 1.52 mm thick, install as per manufacturers instructions

Overflow insert

NOTE:  
1/ Overflow to match outlet capacity.  
2/ Overflow to be plumbed independent of stormwater, through soffit or exterior wall

Notes:  
Sumps to be plumbed with flexible hose-clamped couplings such as Dux or PlumbQwik

Substrate

Viking PIR Polyiso Insulation

Viking Vapour Barrier, install as per manufacturers instructions

Viking sump / overflow IMR120T  
TPO weldable, installed as per manufacturers instructions.

NOTE:  
Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Penetration\_Sump Outlet with Overflow

NOTES:

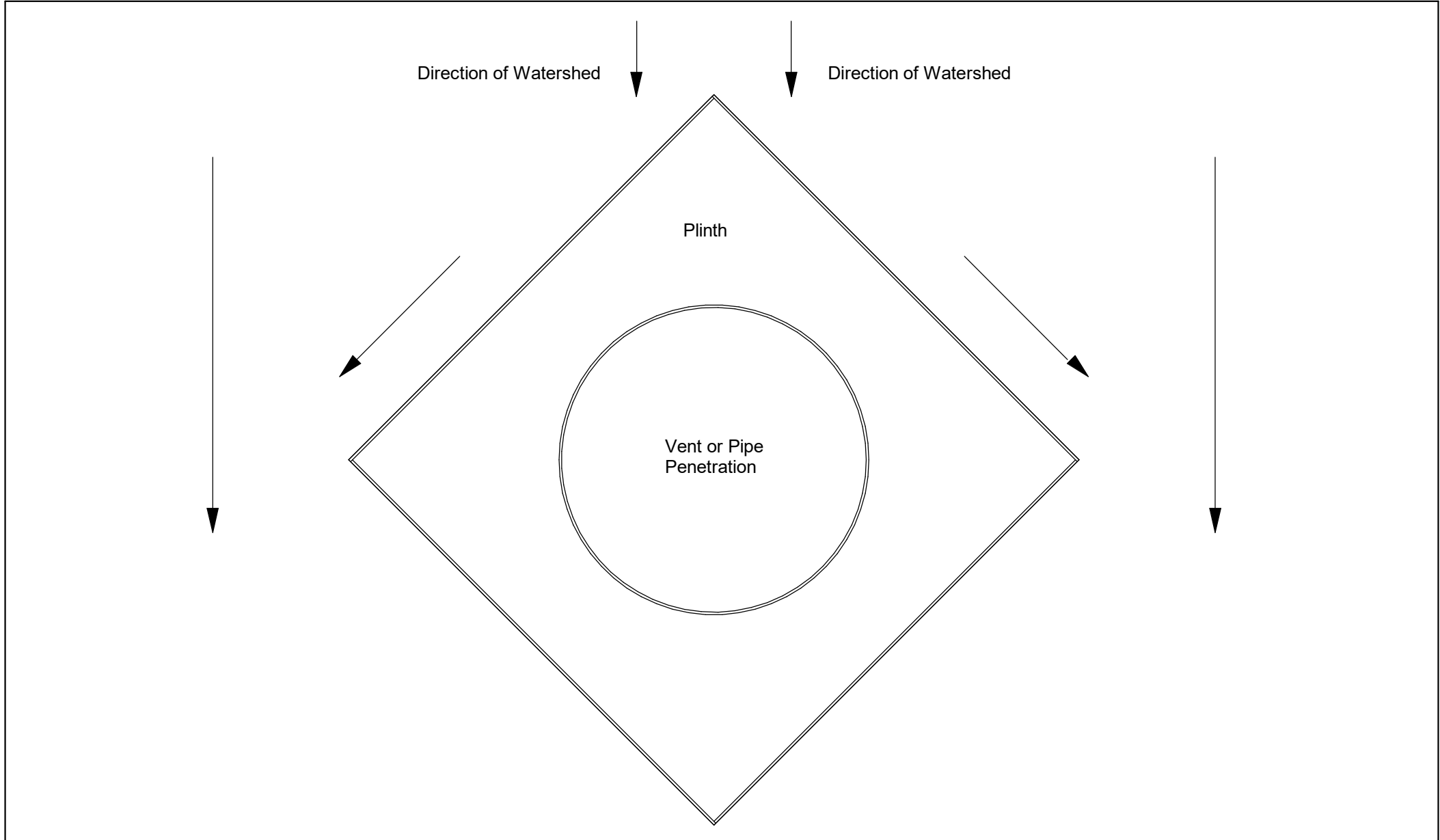
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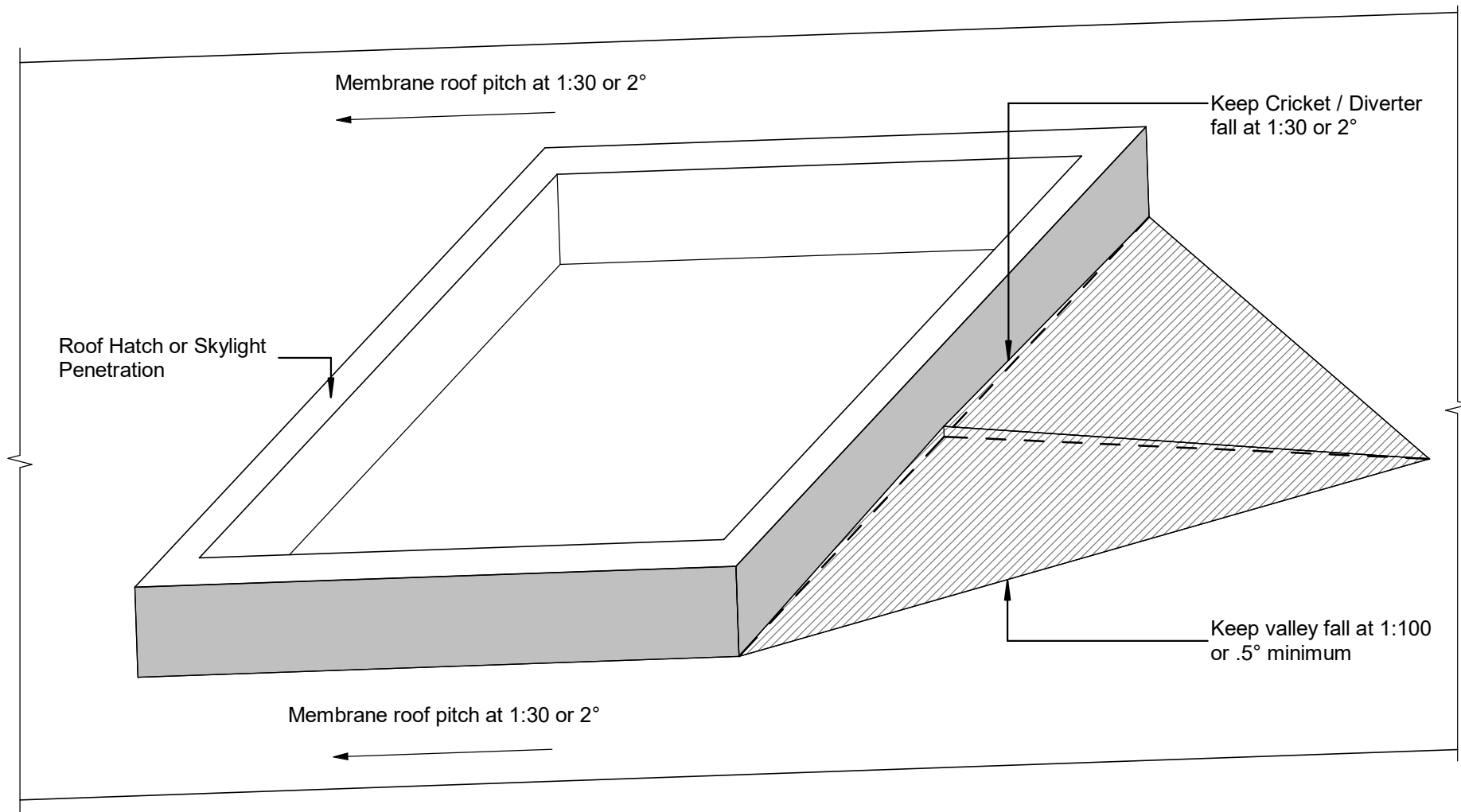
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WRE_003_PENESUMP		



	DRAWING TITLE		NOTES:		DRAWING			
	Viking WarmRoof - Enviroclad Penetration_Plinth direction to divert watershed		<ul style="list-style-type: none"><li>* Angle fillets are not required at upstands for Enviroclad</li><li>* All fixings, cladding and structure are indicative only unless noted</li><li>* All details to be read in conjunction with Viking Specifications</li></ul>		INFORMATION ONLY			
					WarmRoof System is Branz Appraised - 713			
					Scale:	Date:	Drawn:	Viking
					Not to Scale 01/03/2022			
Detail Ref:					VIK_WRE_004_PENEPLIN			



DRAWING TITLE

# Viking WarmRoof - Enviroclad Penetration\_Cricket Diverter for watershed

NOTES:

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DRAWING

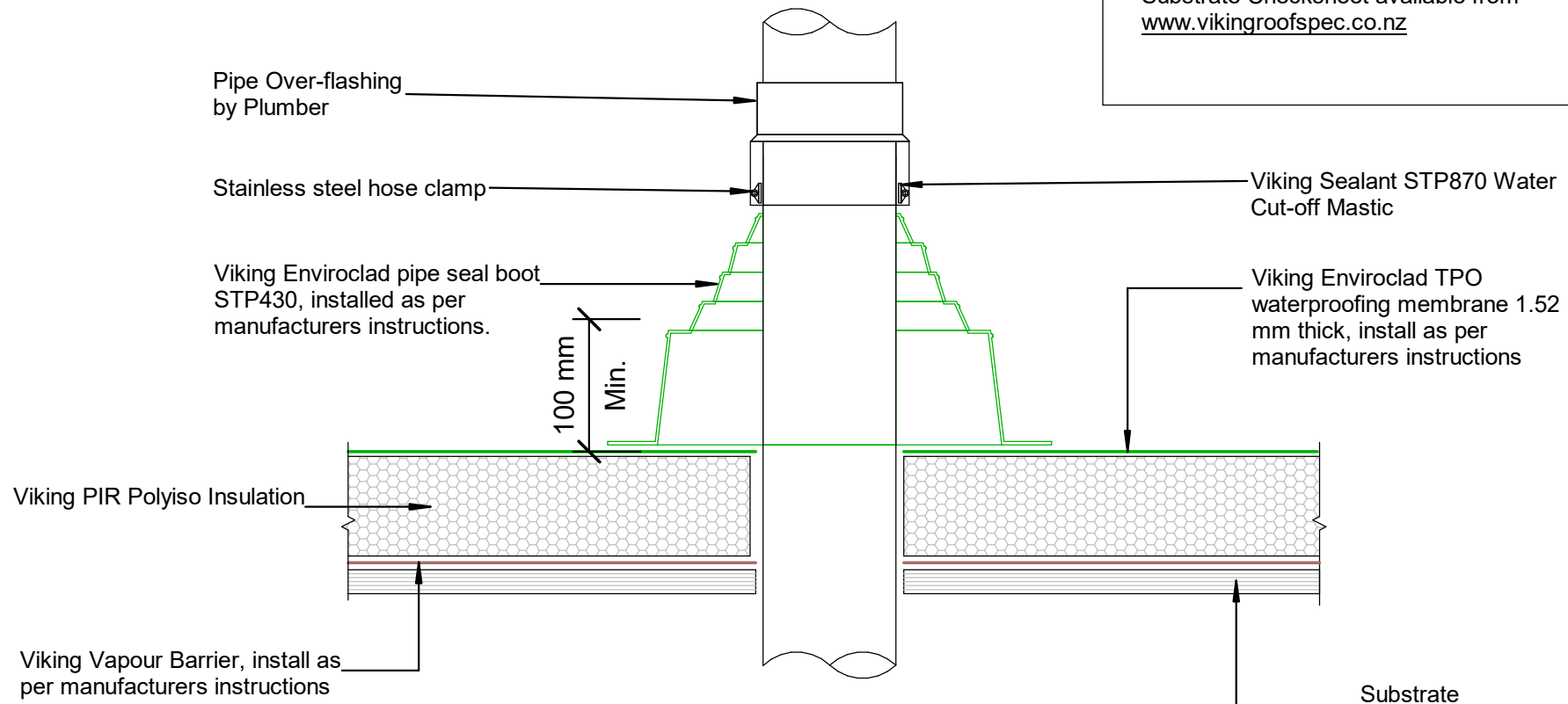
INFORMATION ONLY

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Not to Scale	01/03/2022		
Detail Ref:	VIK_WRE_004A_PENECRIK		



**NOTE:**

Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)



**DRAWING TITLE**

Viking WarmRoof - Enviroclad  
Penetration\_Vertical pipe

**NOTES:**

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**DRAWING**

**INFORMATION ONLY**

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:			

**VIK\_WRE\_005\_VERTPIPE**

**NOTE:**

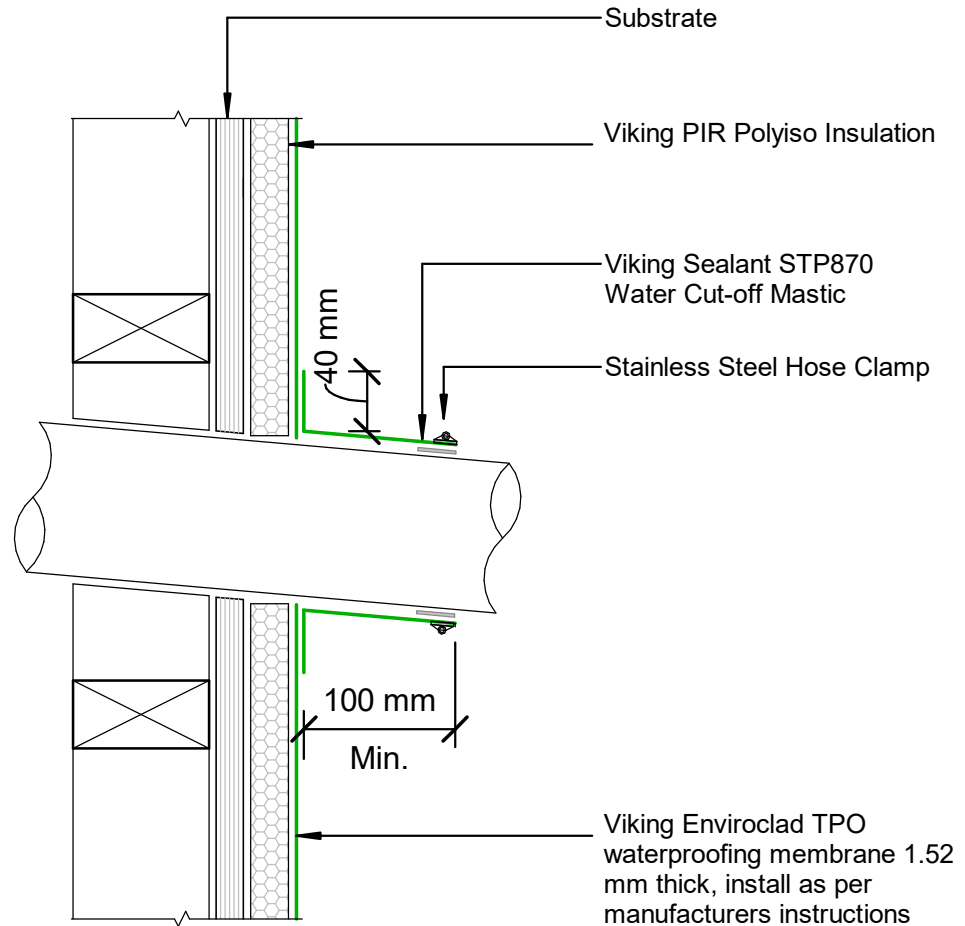
Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from  
[www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

**NOTE:**

A 5° fall is recommended for pipe penetrations

**NOTE:**

Membrane is suitable to be installed to pipes that will reach max. temperatures of 70° celcius



**DRAWING TITLE**

Viking WarmRoof - Enviroclad  
Penetration\_Horizontal pipe

**NOTES:**

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**DRAWING**

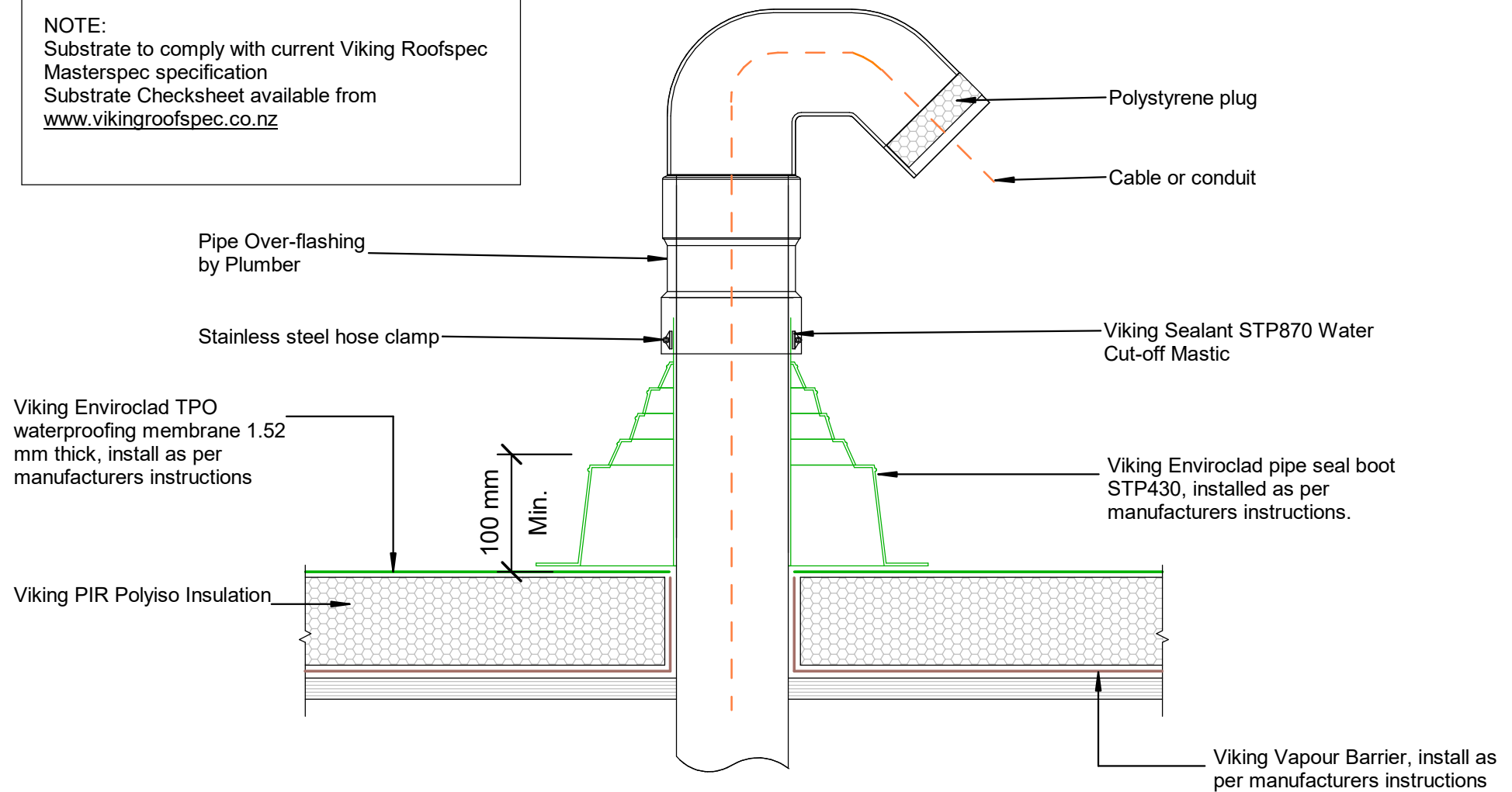
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Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		

Detail Ref: **VIK\_WRE\_005A\_HORPIPE**

**NOTE:**

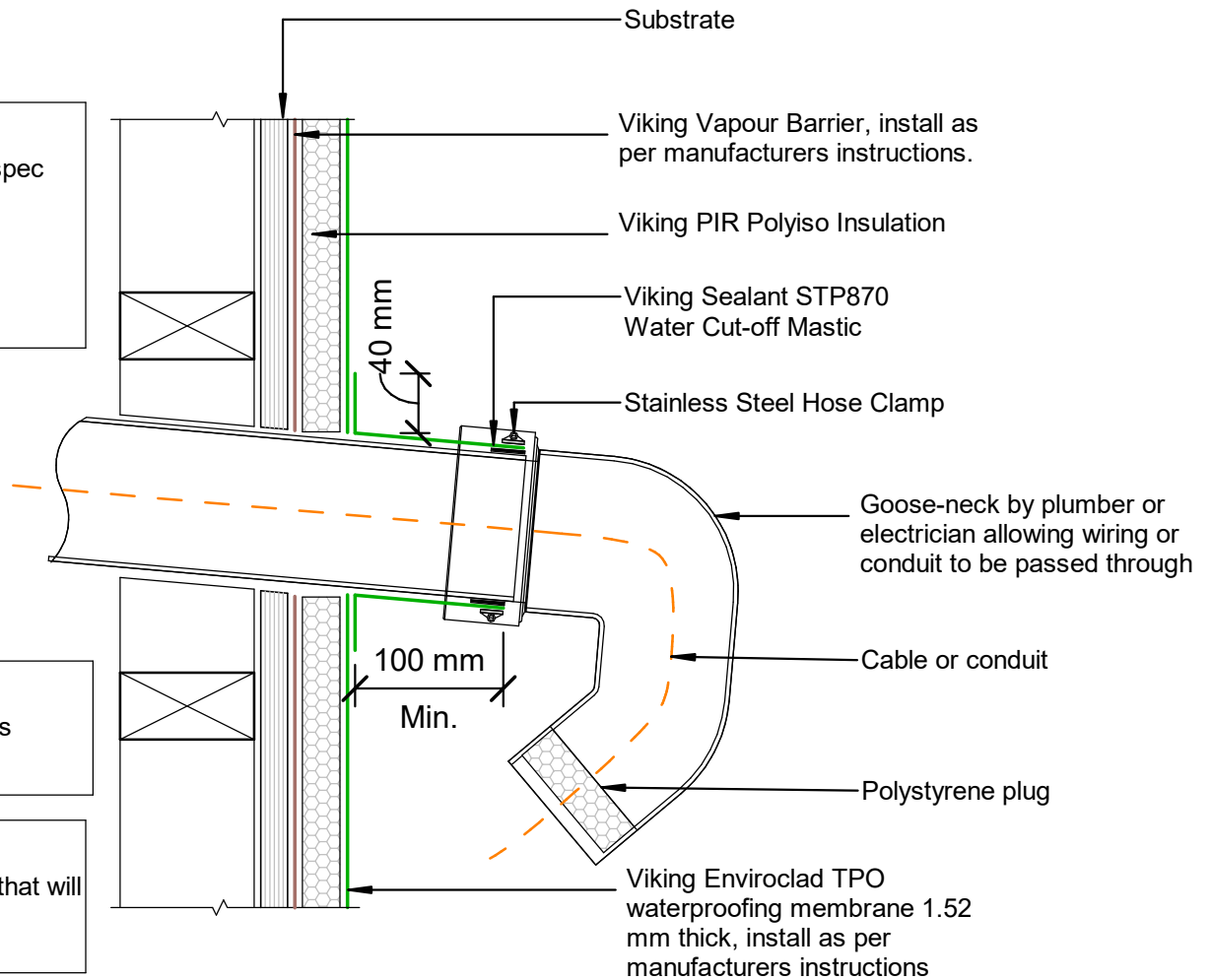
Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from  
[www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)



NOTE:  
Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

NOTE:  
A 5° fall is recommended for pipe penetrations

NOTE:  
Membrane is suitable to be installed to pipes that will reach max. temperatures of 70° celcius



Dektite Aluminium Over Flashing  
suitable for 115° Ref Dektite for  
specific flashing

Viking Enviroclad TPO  
waterproofing membrane 1.52  
mm thick, install as per  
manufacturers instructions

NOTE:  
Substrate to comply with current  
Viking Roofs spec Masterspec  
specification  
Substrate Checksheet available  
from [www.vikingroofs spec.co.nz](http://www.vikingroofs spec.co.nz)

Viking Vapour Barrier, install as  
per manufacturers instructions

NOTE:  
Enviroclad Membrane can be  
installed to flue outer-liners  
reaching maximum 70°C

Flue and cover  
flashing

Viking PIR Polyiso Insulation

Substrate

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Penetration\_Flue or Oversize Pipe

NOTES:

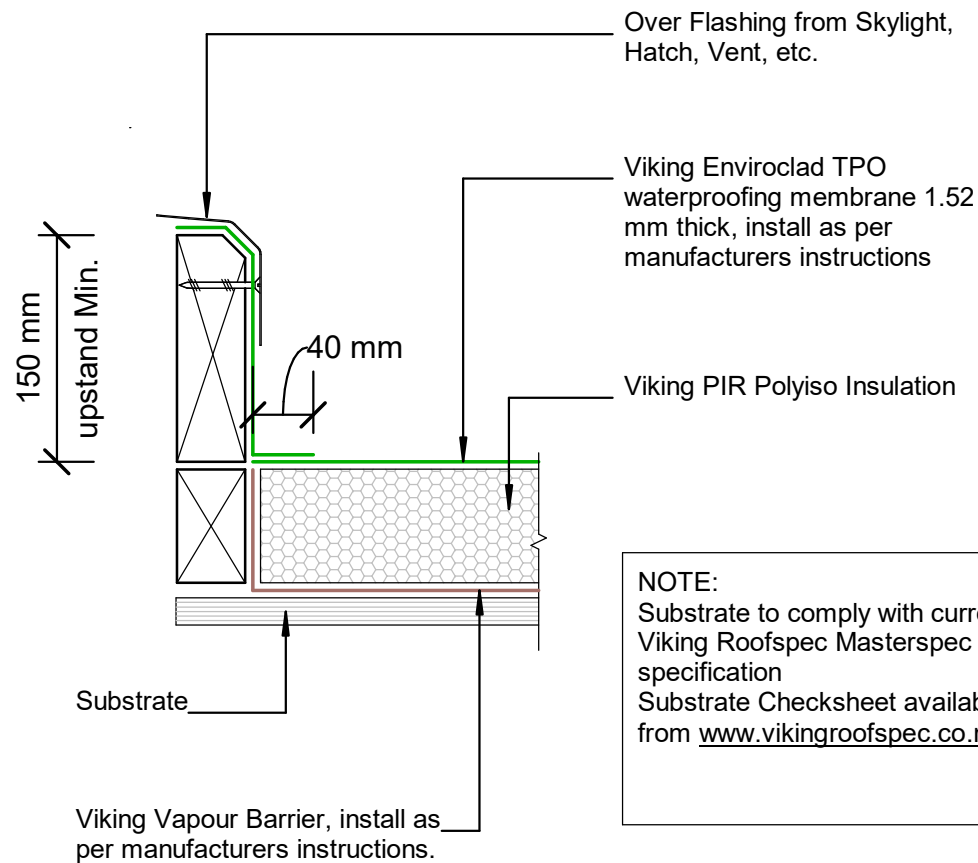
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Viking Specifications

WarmRoof System is Branz  
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DRAWING

INFORMATION ONLY

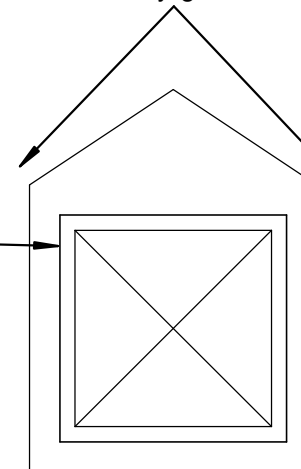
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Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_007_PENEFLUE</b>			



NOTE:  
Refer WRE\_004A

Divert watershed away from  
skylight

Skylight



DRAWING TITLE

Viking WarmRoof - Enviroclad  
Penetration\_Skylight or Roof Access hatch

NOTES:

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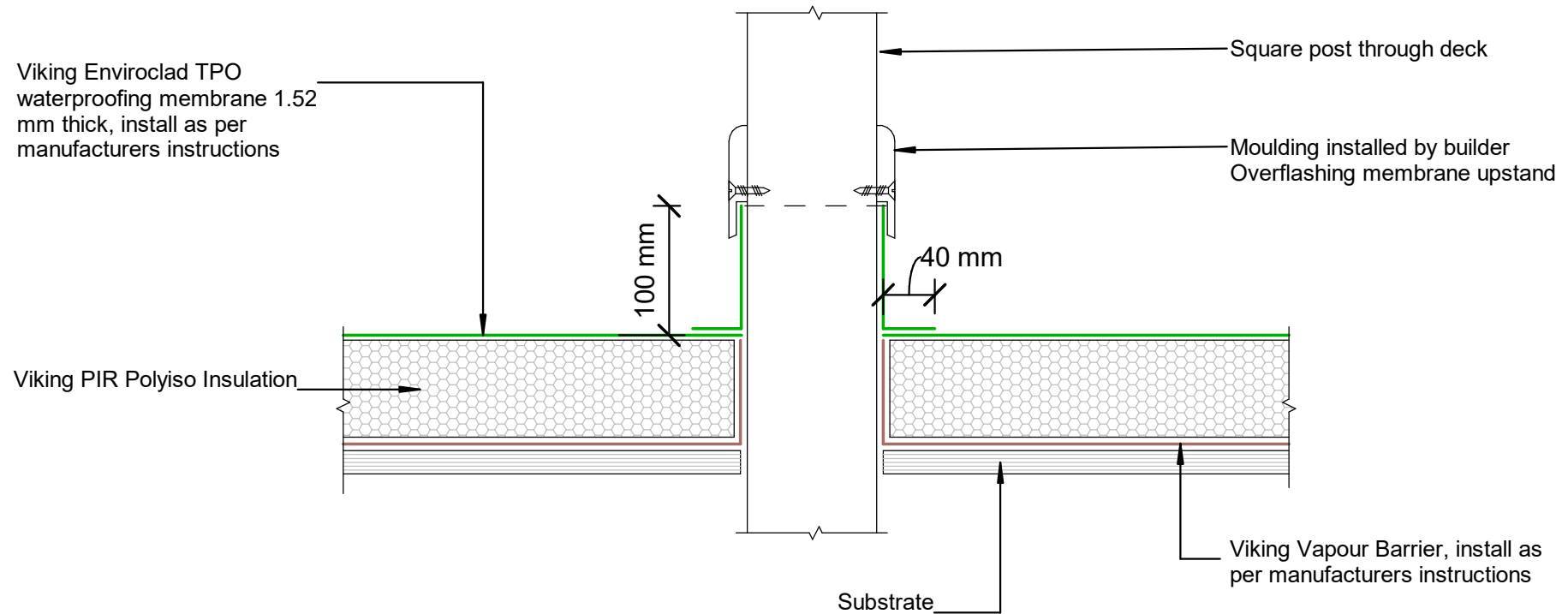
WarmRoof System is Branz  
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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_008_SKYLACCH</b>			

**NOTE:**  
 Substrate to comply with current Viking Roofspec Masterspec specification  
 Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)



DRAWING TITLE

Viking WarmRoof - Enviroclad  
 Penetration\_Square Post through decking

NOTES:

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WarmRoof System is Branz  
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INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		

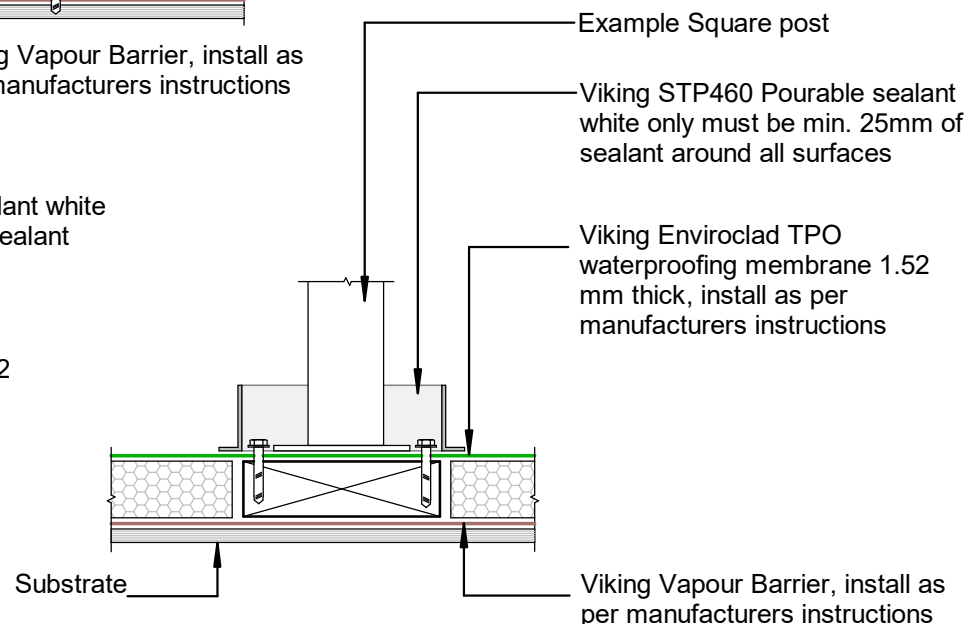
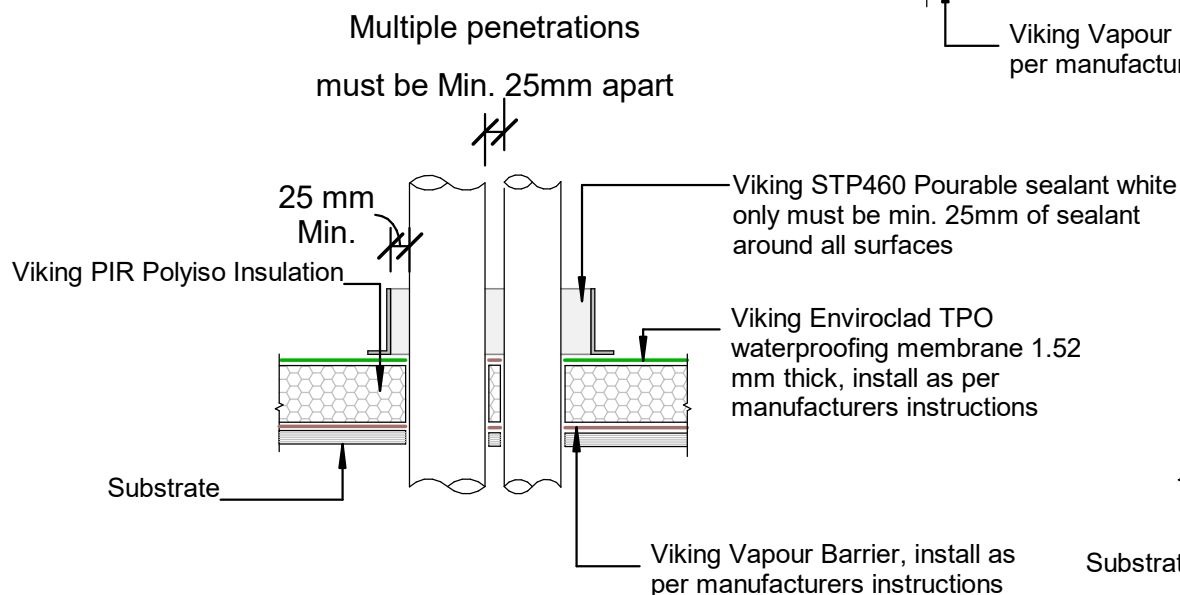
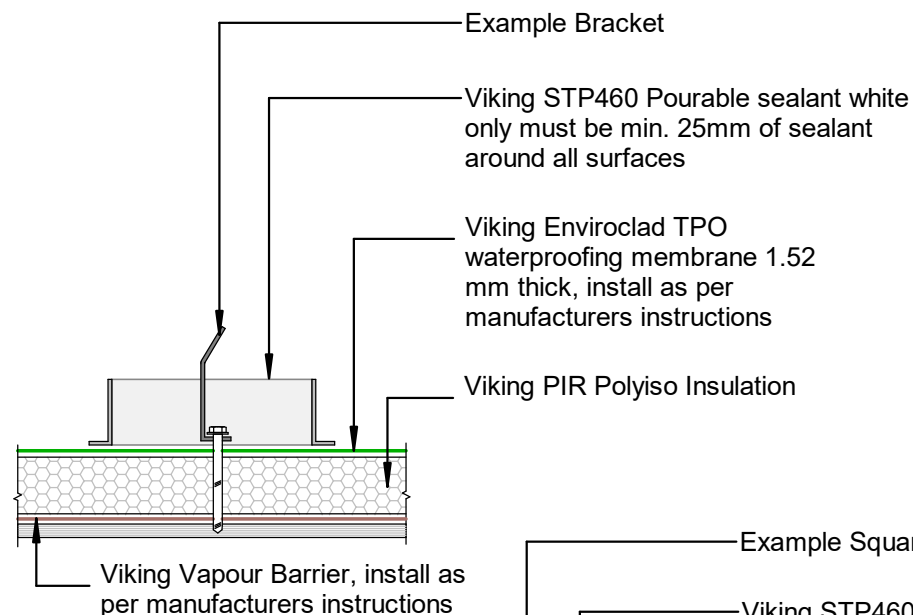
Detail Ref: **VIK\_WRE\_009\_POSTDECK**

**NOTE:**

A Solution for very difficult shaped penetrations.  
**Note That all surfaces in contact with Pourable sealant must be primed with Viking SEC034 Lap primer**  
This includes all pipes, bolts, brackets and TPO sealant surround.  
For specific requirements contact Roofspec for advice

**NOTE:**

STP460 Pourable Pocket Sealant can be installed to materials reaching maximum 90°C



**NOTES:**

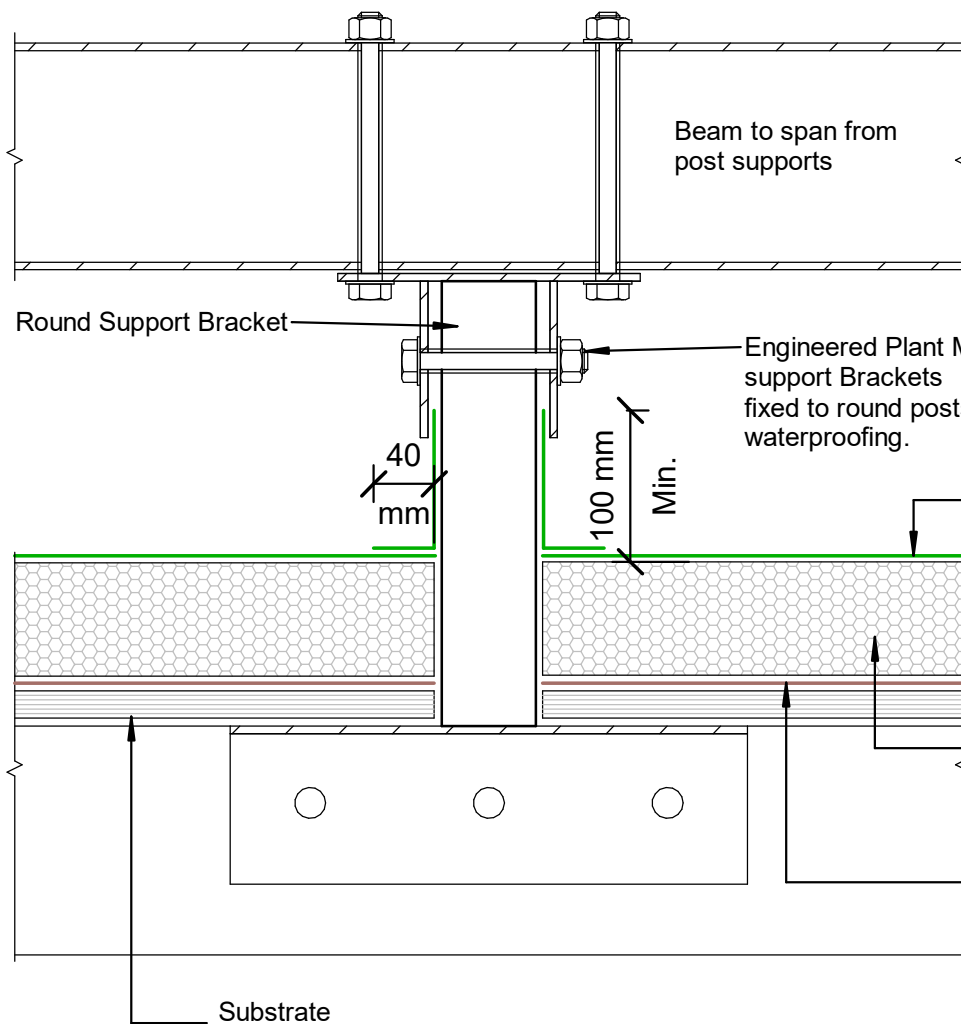
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**DRAWING**

**INFORMATION ONLY**

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	Vik_WRE_010_PENETPO		





Viking Polyiso Insulation sheet

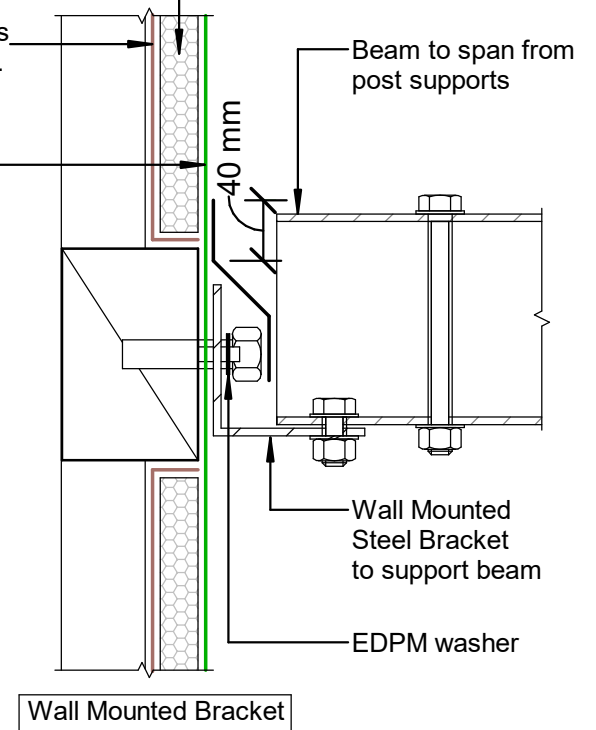
Viking Vapour Barrier, install as per manufacturers instructions.

Viking Enviroclad TPO waterproofing membrane 1.52 mm thick, install as per manufacturers instructions

Viking Enviroclad TPO waterproofing membrane 1.52 mm thick, install as per manufacturers instructions

Viking PIR Polyiso Insulation

Viking Vapour Barrier, install as per manufacturers instructions



**NOTE:**  
Post and Brackets are SED.  
Spaced according to weight and beam spanning abilities.  
Not supplied by Viking Roofspec.

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Penetration\_Post or Rail for Plant Room equipment

NOTES:

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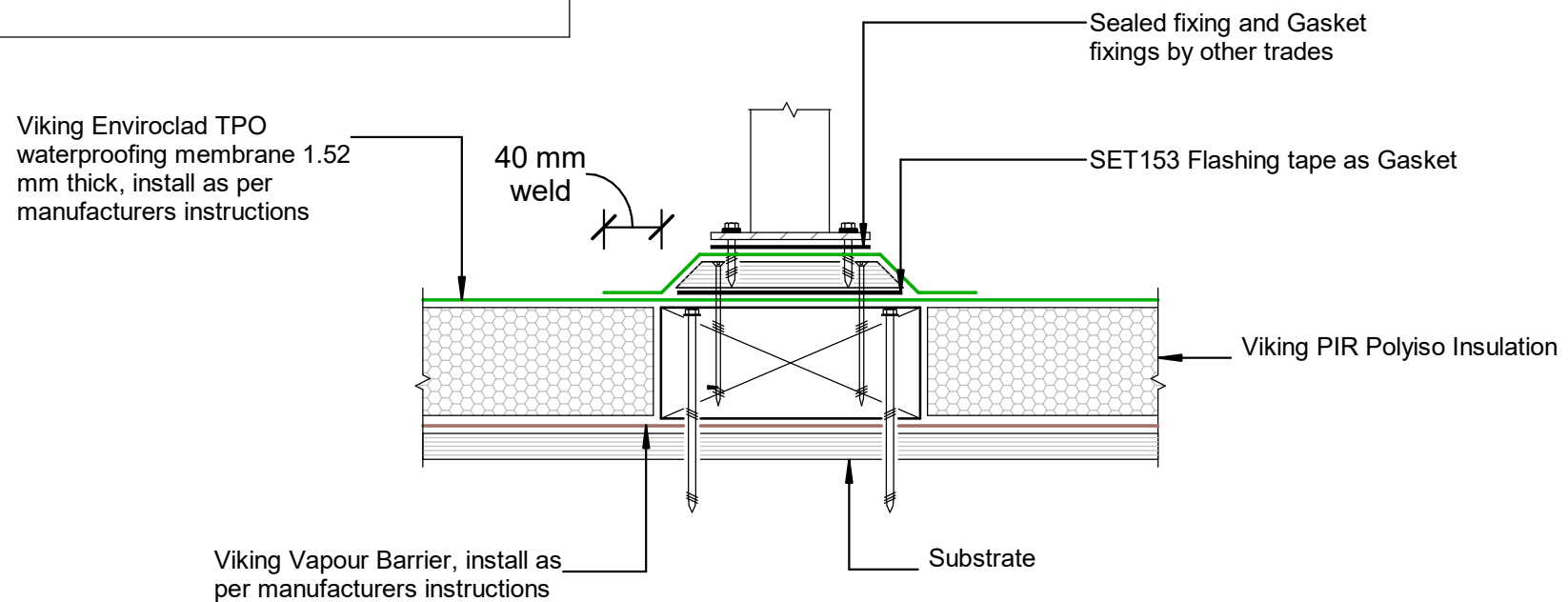
WarmRoof System is Branz  
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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WRE_011_PENEPOST		

NOTE:  
Substrate to comply with current Viking Roofspec  
Masterspec specification  
Substrate Checksheet available from  
[www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)



DRAWING TITLE

Viking WarmRoof - Enviroclad  
Penetration\_Plinth base for Balustrade

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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref			

**VIK\_WRE\_012\_PENEPLIN**

**NOTE:**

Substrate to comply with current Viking  
Roofspec Masterspec specification  
Substrate Checksheet available from  
[www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

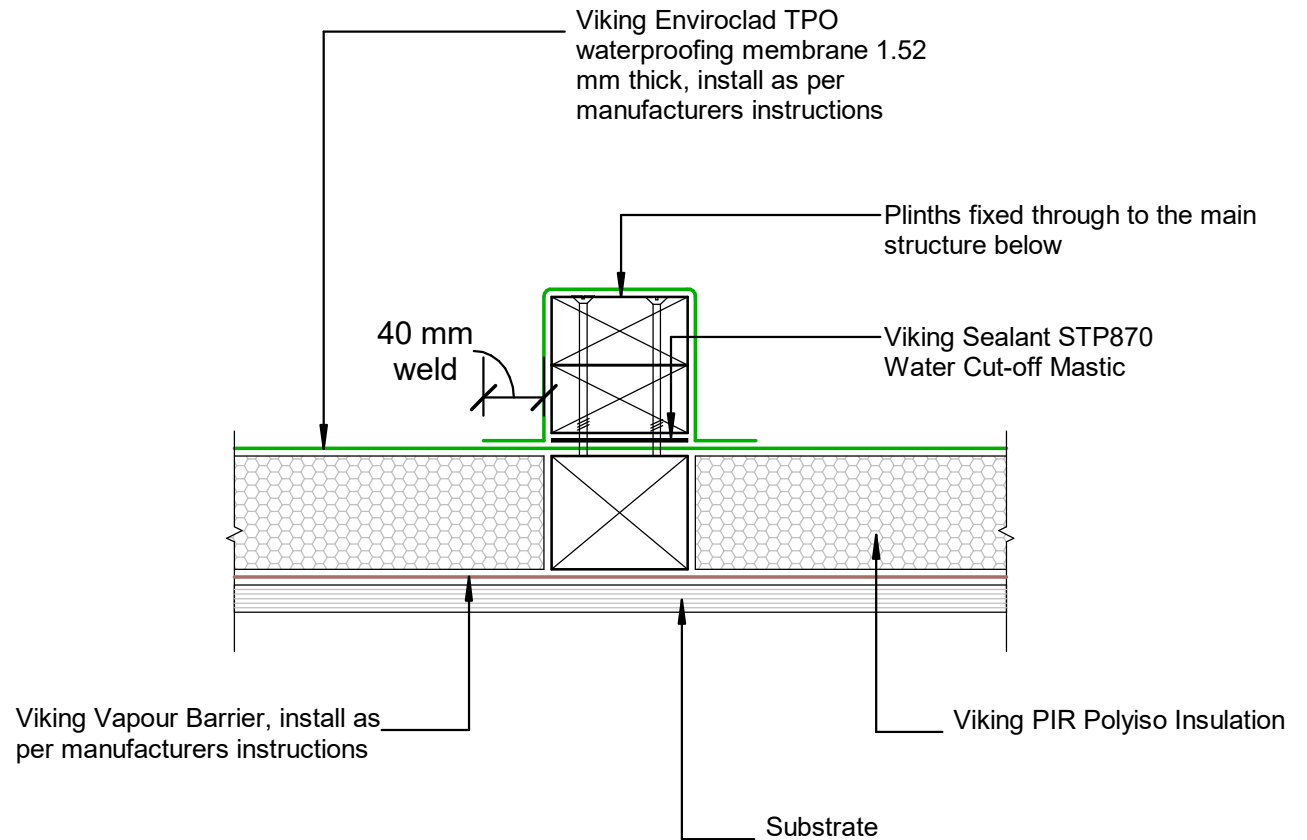
**NOTE:**

Consider Viking Detail WRE\_011 as a  
better option for supporting Mechanical  
Plant on membrane roofs.  
*Although Viking Roofspec do not  
recommend fixing posts or plant through  
the top of Membrane roofs or decks if this is  
required then use a plinth detail provides  
the fixing by other trades are kept off the  
main deck flood area.*

Viking Roofspec recommend that any fixing  
of plant is kept independent of the  
membrane roof ideally through vertical  
surfaces such as parapets.  
All Fixings must be sealed

**NOTE:**

Viking Roofspec or our Approved Applicators  
do not warranty fixings installed by other  
trades.



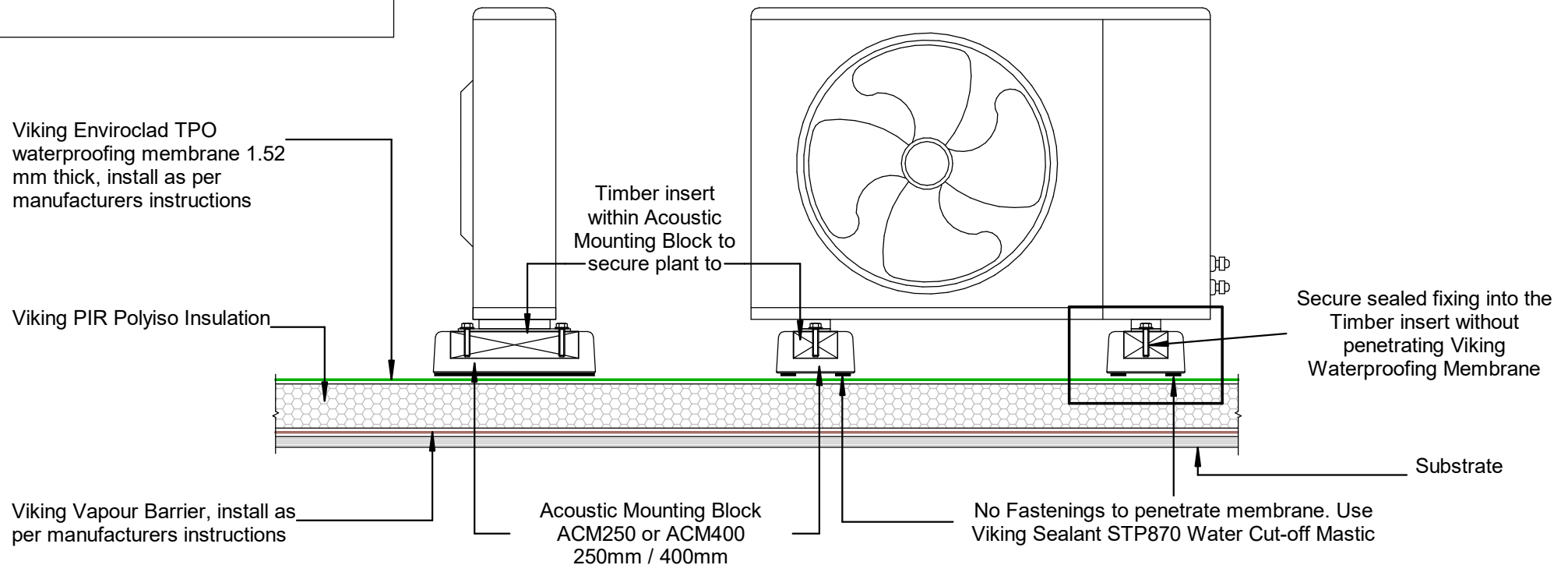
**NOTES:**

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indicative only unless noted
- \* All details to be read in conjunction with  
Viking Specifications

**DRAWING**

**INFORMATION ONLY**

**NOTE:**  
 Substrate to comply with current Viking  
 Roofspec Masterspec specification  
 Substrate Checksheet available from  
[www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)



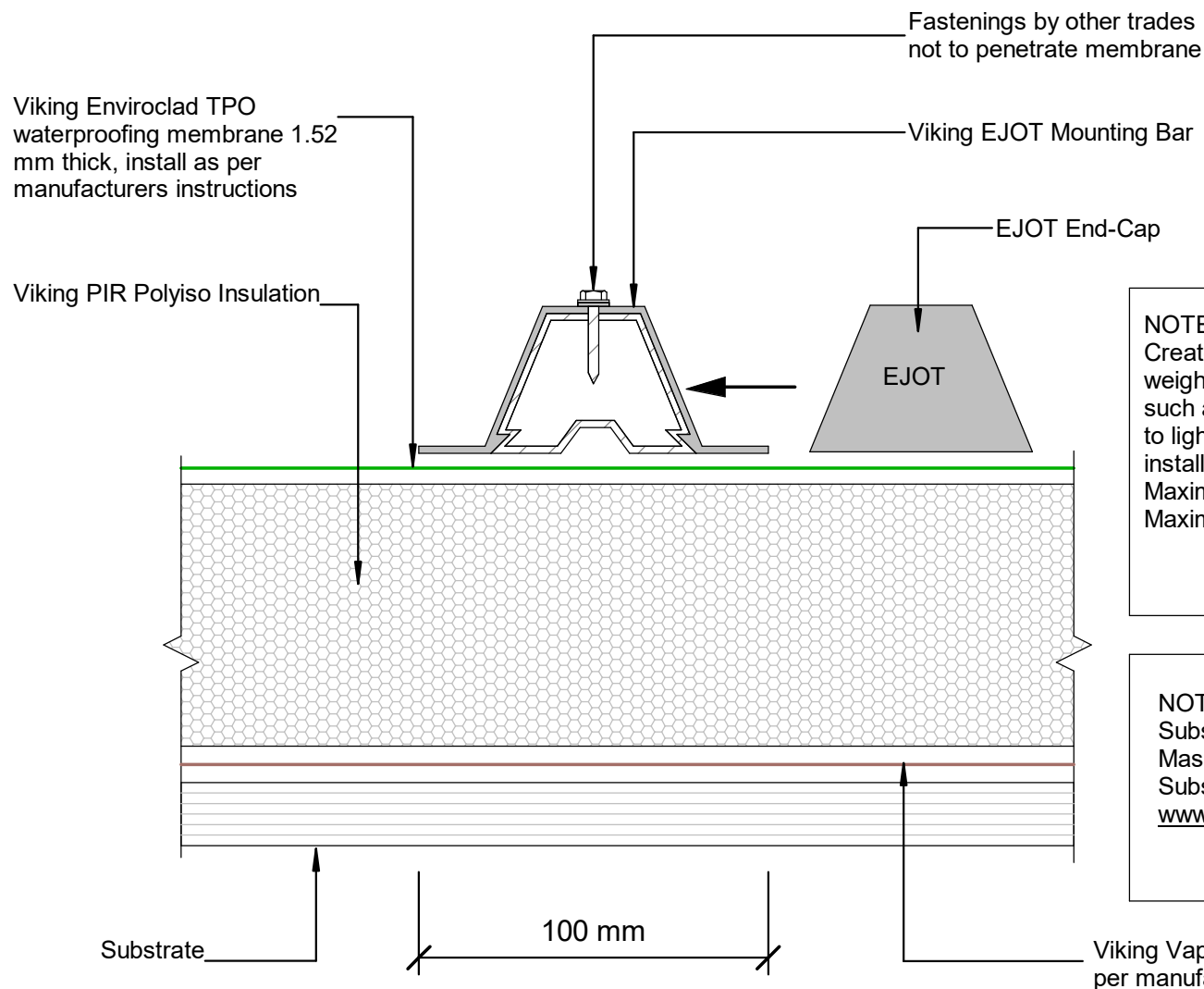
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**DRAWING**

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Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_014_PENEACOU</b>			



**NOTE:**  
Creates a LOW-RISK fixing base for light-weight mechanical and electrical essentials such as pipework and cable trays - through to light weight solar PV and solar thermal installations.  
Maximum point load \*30kg per/Lm  
Maximum uplift 2.8Kn

**NOTE:**  
Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Penetration\_EJOT Plinth for Enviroclad

NOTES:

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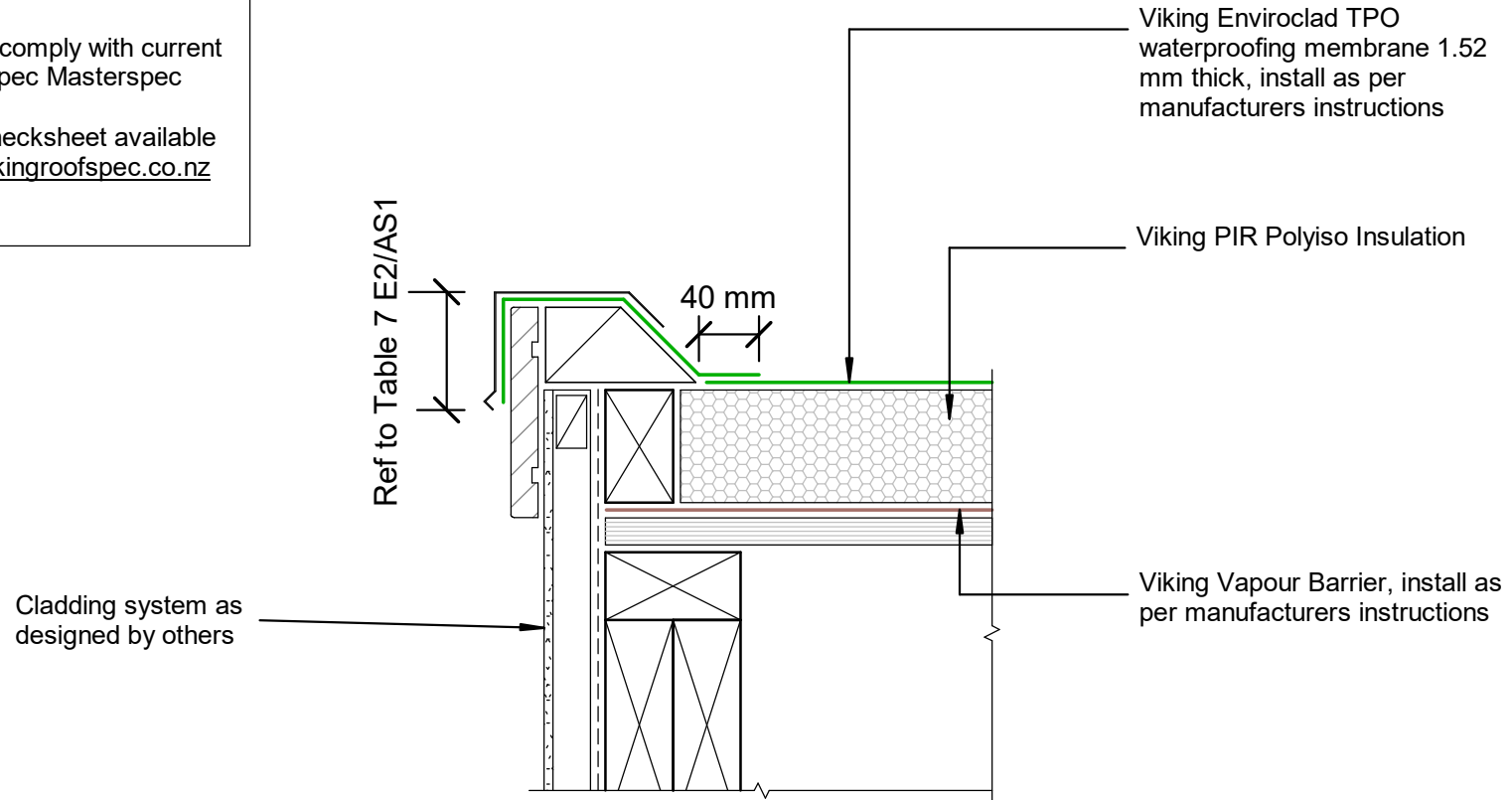
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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_015_PEENEJOT</b>			

NOTE:  
Substrate to comply with current  
Viking Roofspec Masterspec  
specification  
Substrate Checksheet available  
from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)



NOTES:

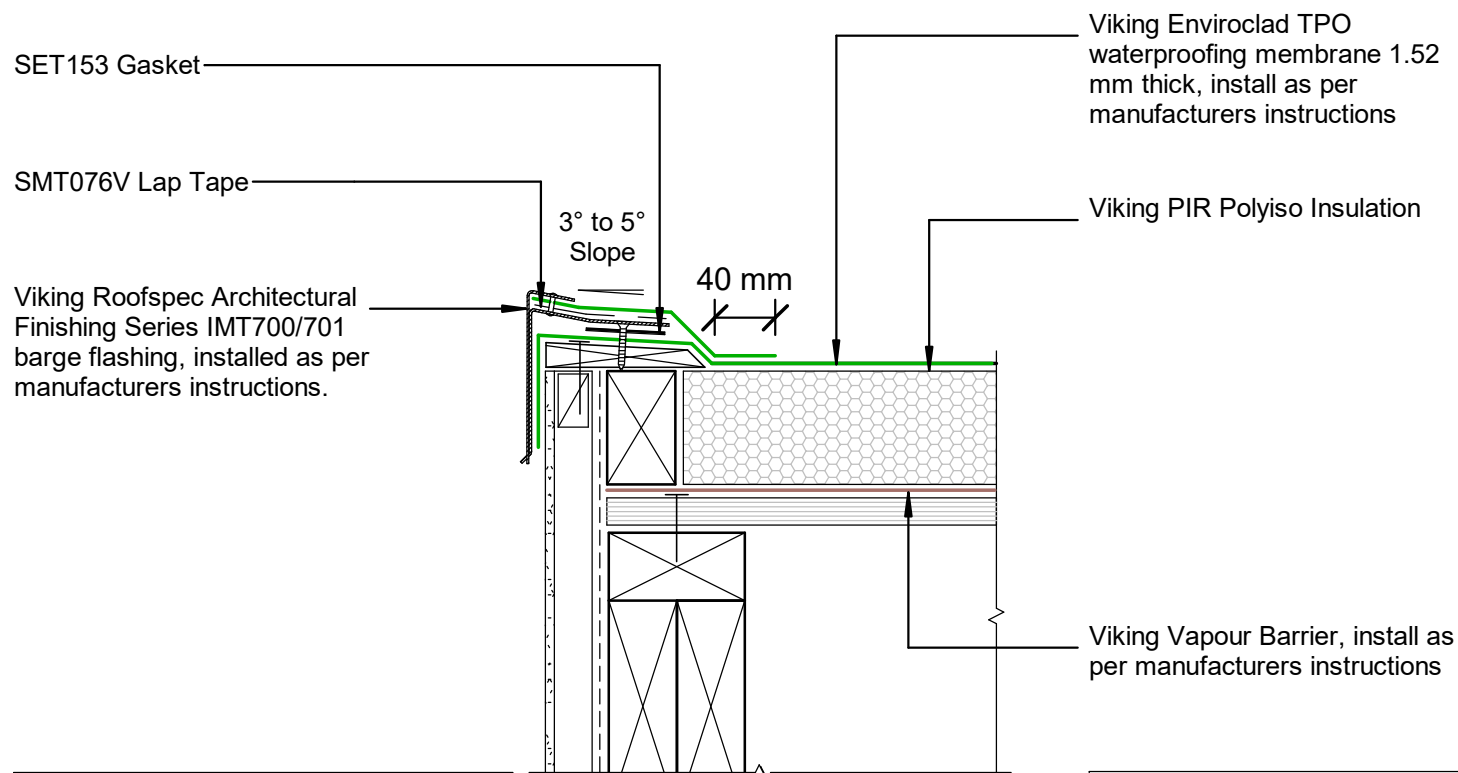
- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		

Detail Ref: **VIK\_WRE\_030\_VERGBARG**



NOTE: Viking AFS Barge Flashings are angled to suit 5° slope to the top of Parapet or Barge.  
For slopes greater than 5° modifications to these flashings or allow 6 weeks pre-order with Roofspec.

NOTE:  
Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Verge\_Barge with Low Profile AFS

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

WarmRoof System is Branz  
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_031_VERGBARG</b>			

Viking Architectural Finishing  
Series IMT700 Cover -  
Flashing, Alum 1.6mm  
installed as per manufacturers  
instructions.

Viking Enviroclad TPO  
waterproofing membrane  
1.52 mm thick, install as per  
manufacturers instructions.

SMT076V Lap Tape

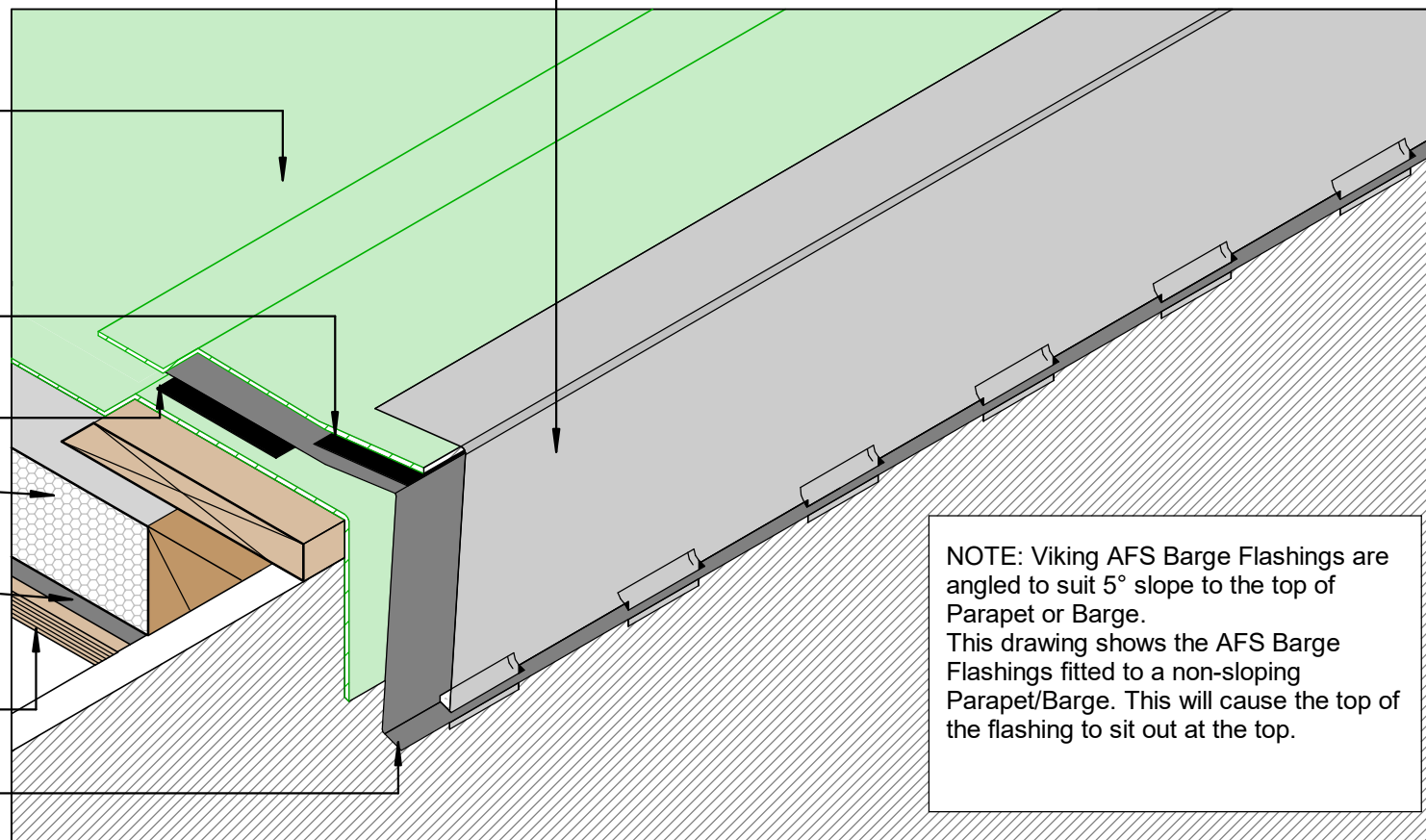
SET153 Gasket

Viking PIR Polyiso Insulation

Viking Vapour Barrier,  
install as per manufacturers  
instructions.

Substrate

Viking Architectural Finishing  
Series IMT701 Base -  
Flashing, Alum 1.6mm  
installed as per  
manufacturers instructions.



NOTE: Viking AFS Barge Flashings are  
angled to suit 5° slope to the top of  
Parapet or Barge.  
This drawing shows the AFS Barge  
Flashings fitted to a non-sloping  
Parapet/Barge. This will cause the top of  
the flashing to sit out at the top.

NOTE:  
Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Verge\_Barge with Low Profile AFS in ISOMETRIC

NOTES:

- \* Angle fillets are not required at  
upstands for Enviroclad
- \* All fixings, cladding and structure are  
indicative only unless noted
- \* All details to be read in conjunction with  
Viking Specifications

WarmRoof System is Branz  
Appraised - 713

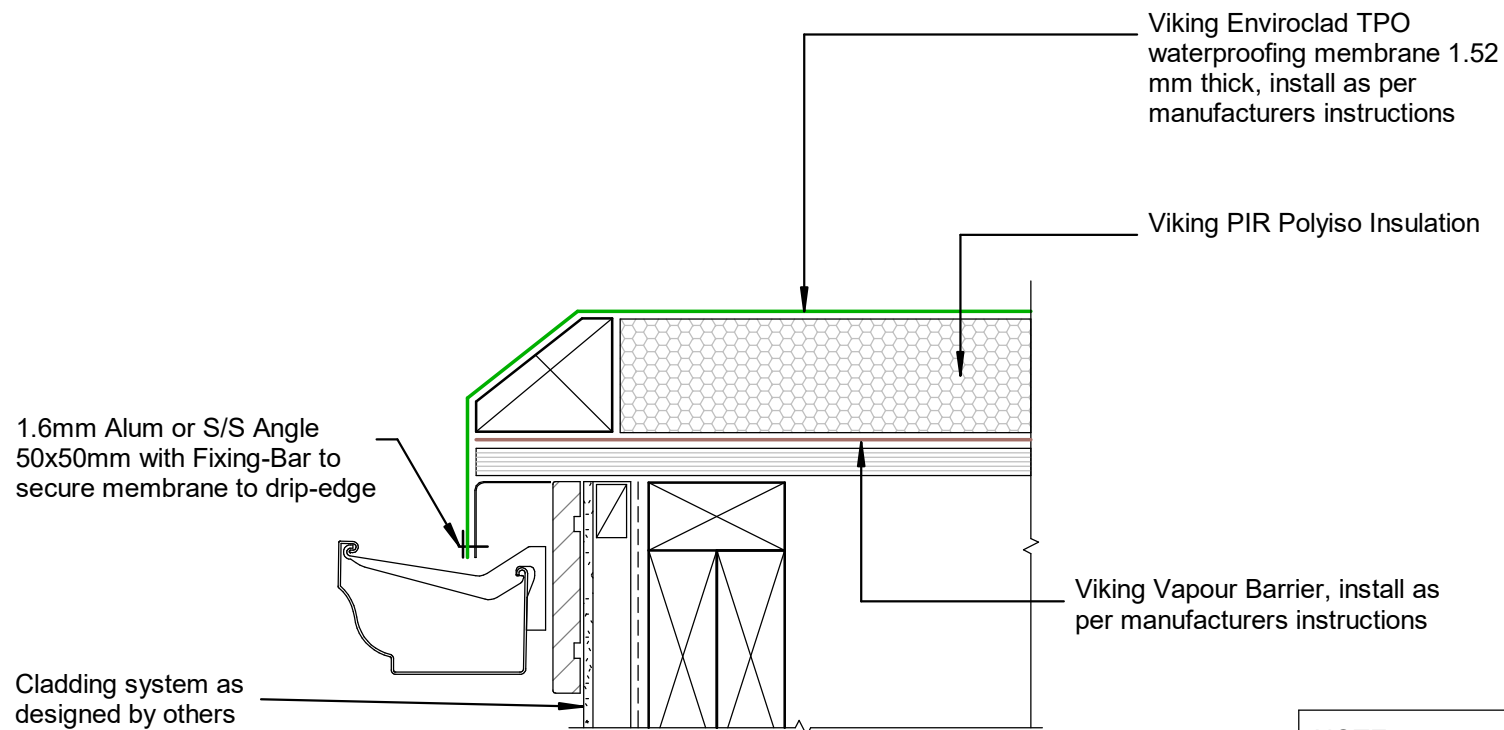
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		

VIK\_WRE\_031A\_VERGBARG





**NOTE:**  
Substrate to comply with current  
Viking Roofs spec Masterspec  
specification  
Substrate Checksheet available  
from [www.vikingroofs spec.co.nz](http://www.vikingroofs spec.co.nz)

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Verge\_Drip edge to External Spouting

NOTES:

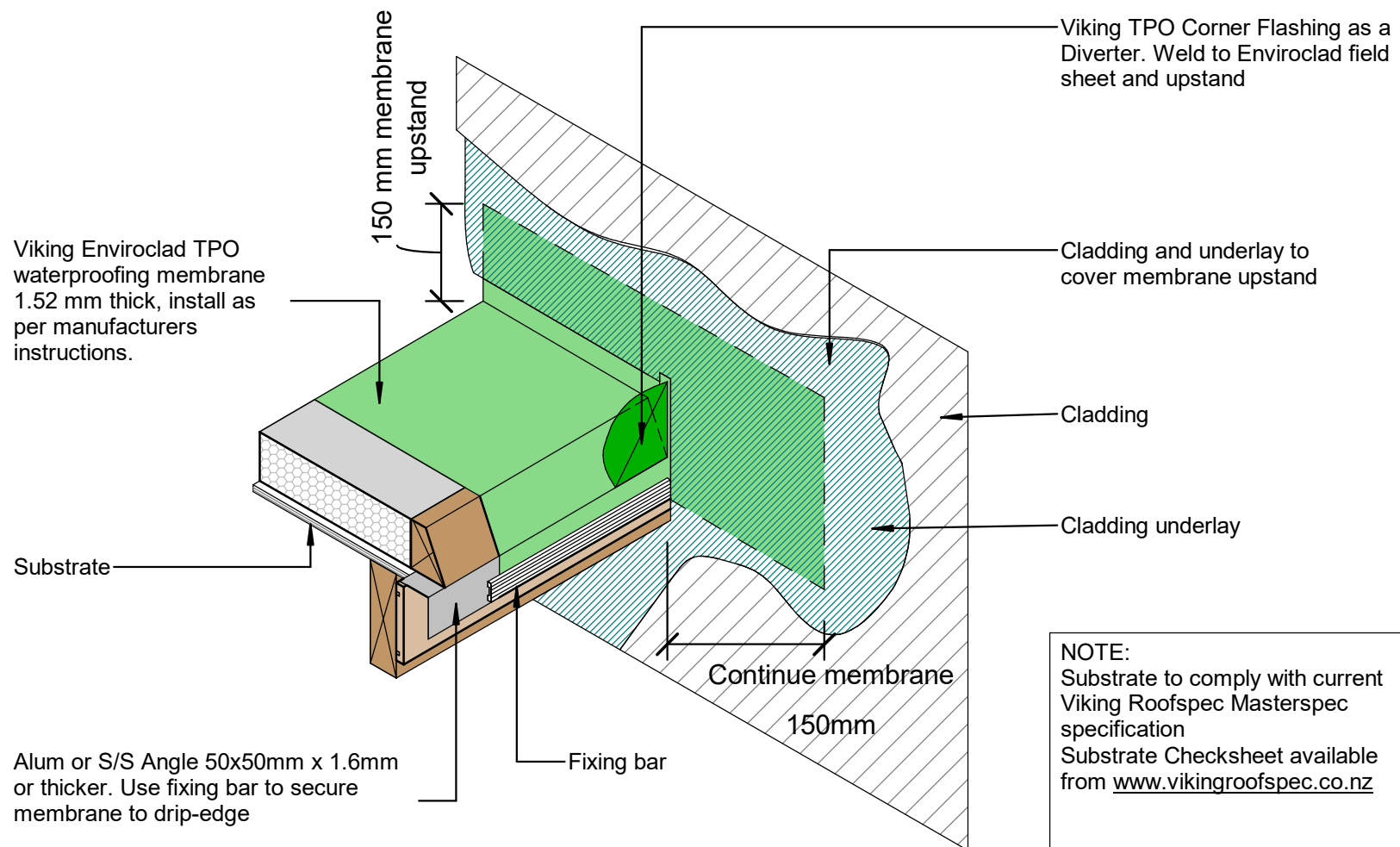
- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

WarmRoof System is Branz  
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_032_VERGDRIP</b>			



DRAWING TITLE

Viking WarmRoof - Enviroclad  
Verge\_edge with wall continuing, Diverter for cladding

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

WarmRoof System is Branz  
Appraised - 713

DRAWING

INFORMATION ONLY

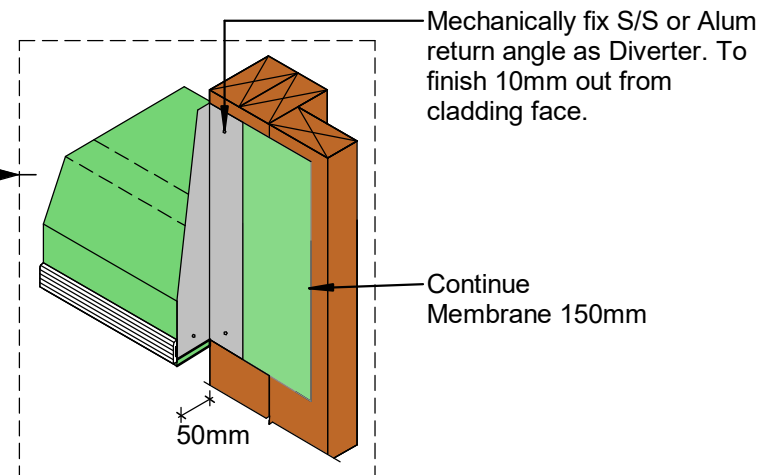
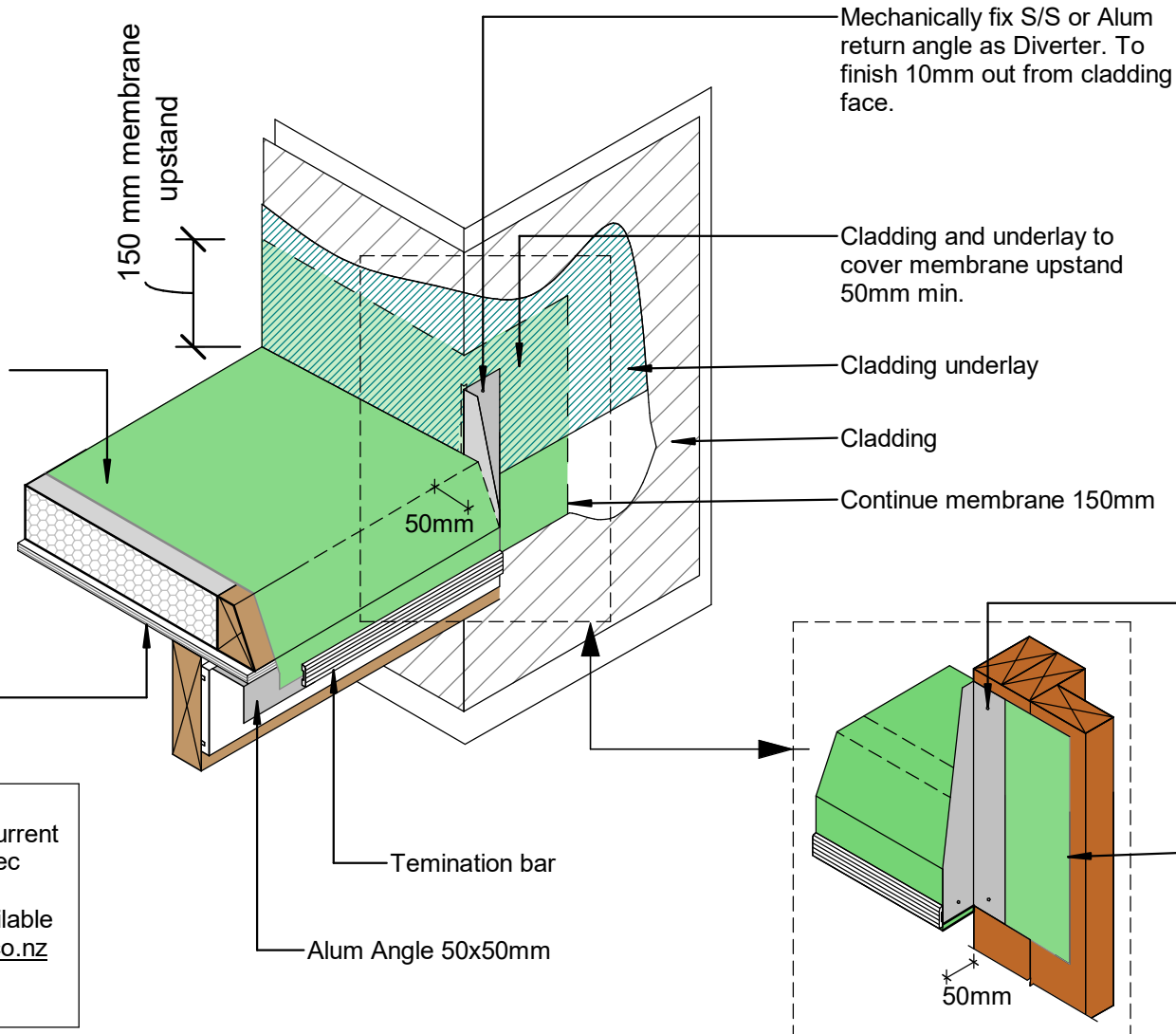
Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		

Detail Ref: **VIK\_WRE\_033\_VERGEDGE**

Viking Enviroclad TPO waterproofing membrane 1.52 mm thick, install as per manufacturers instructions.

Substrate

**NOTE:**  
Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)



DRAWING TITLE

Viking WarmRoof - Enviroclad  
Verge\_edge with wall returning, Diverter for cladding

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

WarmRoof System is Branz Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		

Detail Ref: **VIK\_WRE\_033A\_VERGEDGE**

**NOTE:**

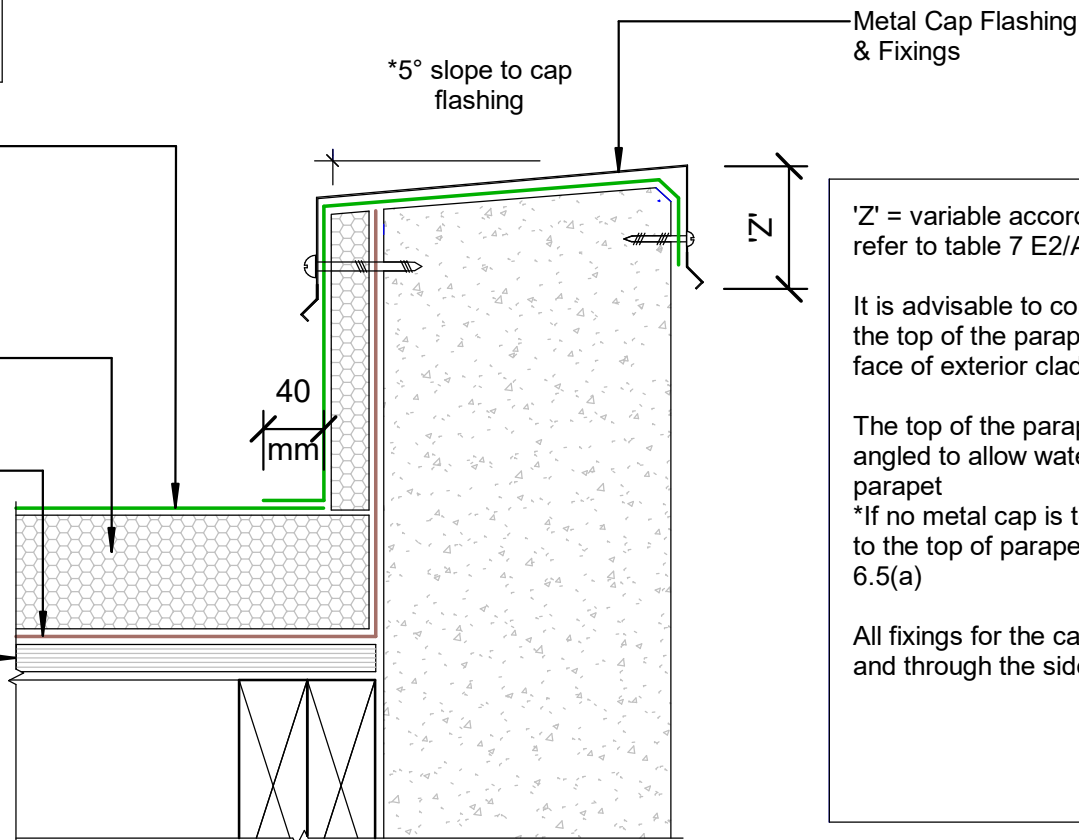
Substrate to comply with current  
Viking Roofspec Masterspec  
specification  
Substrate Checksheet available  
from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

Viking Enviroclad TPO  
waterproofing membrane 1.52  
mm thick, install as per  
manufacturers instructions

Viking PIR Polyiso Insulation

Viking Vapour Barrier, install as  
per manufacturers instructions

Substrate



DRAWING TITLE

Viking WarmRoof - Enviroclad  
Parapet\_with Cap concrete wall

NOTES:

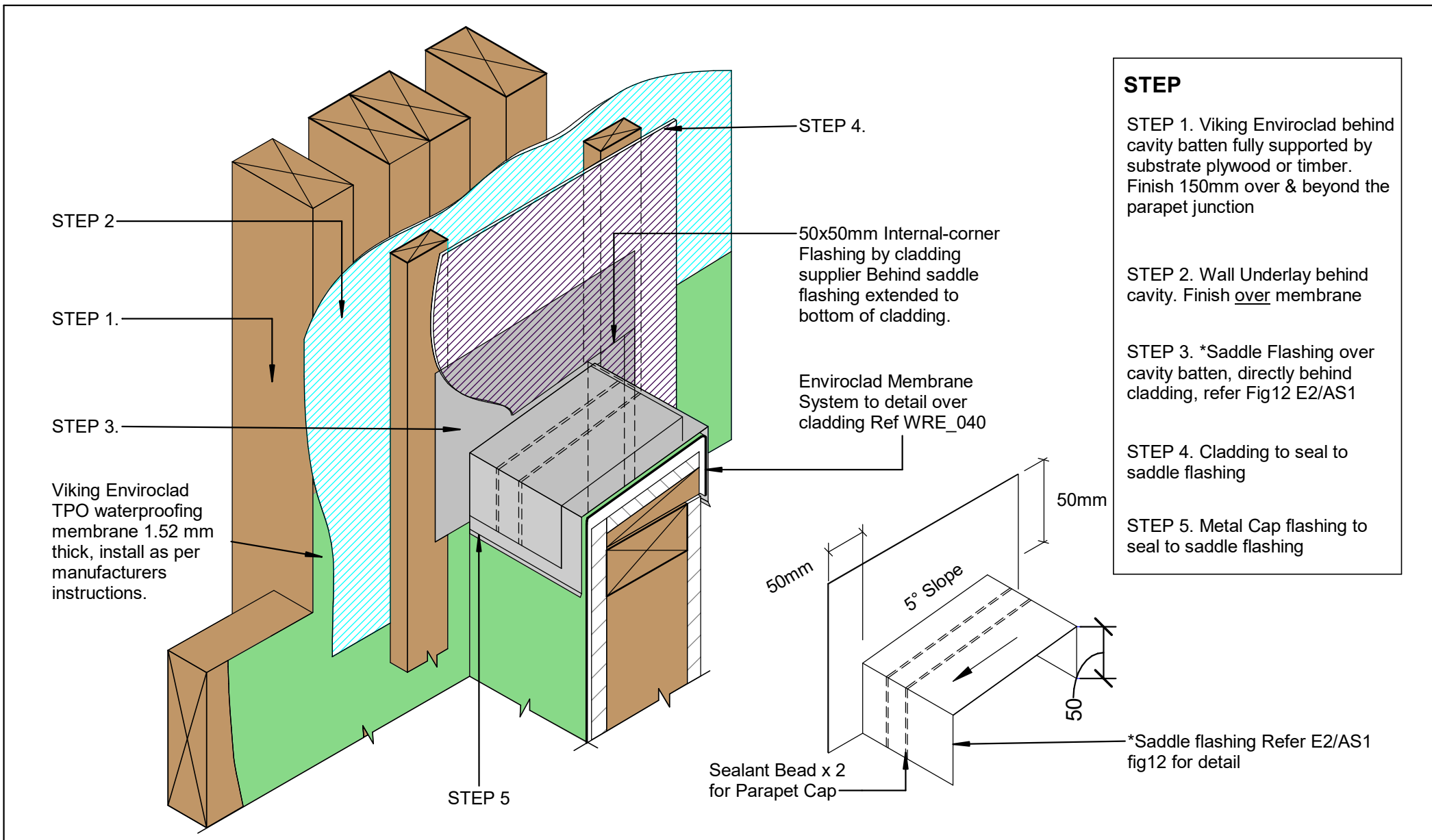
- \* Angle fillets are not required at  
upstands for Enviroclad
- \* All fixings, cladding and structure are  
indicative only unless noted
- \* All details to be read in conjunction with  
Viking Specifications


WarmRoof System is Branz  
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_040_PARACAP</b>			



DRAWING TITLE		NOTES:		DRAWING	
Viking WarmRoof - Enviroclad Parapet_Timber wall ISO		* Angle fillets are not required at upstands for Enviroclad * All fixings, cladding and structure are indicative only unless noted * All details to be read in conjunction with Viking Specifications		WarmRoof System is Branz Appraised - 713  <b>INFORMATION ONLY</b>	
		Scale: Not to Scale Date: 01/03/2022 Drawn: Viking Detail Ref: VIK_WRE_040A_PARAWALL			

Viking Roofspec 200x80mm TPO scupper STP603, installed as per manufacturers instructions.

Rain-head with Overflow by others

Builders flashing tape non-bituminous

Viking Enviroclad TPO waterproofing membrane 1.52 mm thick, install as per manufacturers instructions

Drip edge installed

Sealant and tape by builder

Viking PIR Polyiso Insulation

Substrate

Viking Vapour Barrier, install as per manufacturers instructions

NOTE:  
Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

Building wrap

Screw fixing of scupper

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Parapet\_ with scupper outlet

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

WarmRoof System is Branz Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_041_PARASCUP</b>			

**NOTE:**  
Substrate to comply with current  
Viking Roofspec Masterspec  
specification  
Substrate Checksheet available  
from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

Viking Enviroclad TPO  
waterproofing membrane 1.52  
mm thick, install as per  
manufacturers instructions

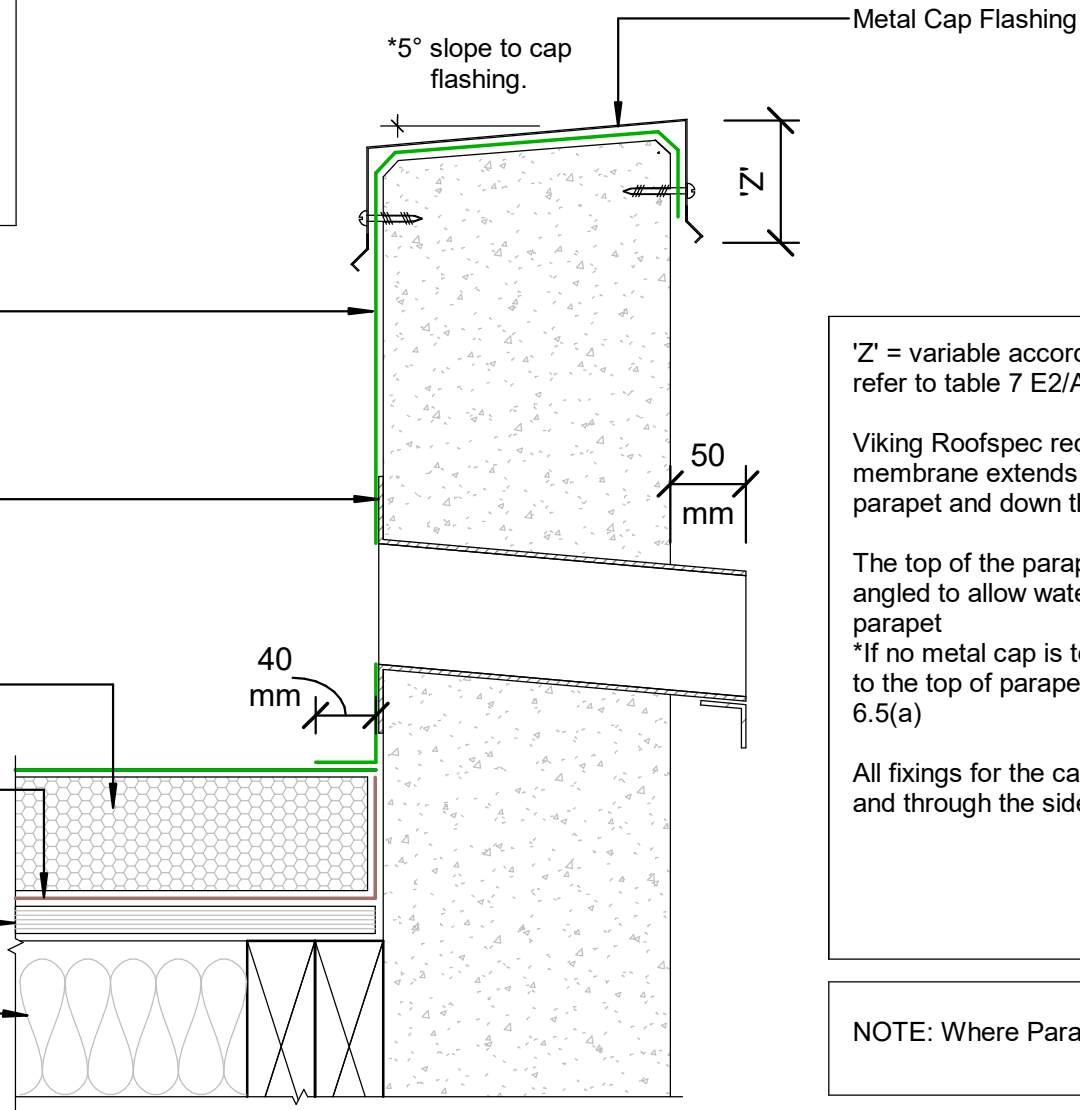
Viking 200x80mm TPO overflow  
scupper STP604, installed as per  
manufacturers instructions.

Viking PIR Polyiso Insulation

Viking Vapour Barrier, install as  
per manufacturers instructions

Substrate

Insulation to close off  
thermal break 300mm



'Z' = variable according to wind zone, please  
refer to table 7 E2/AS1

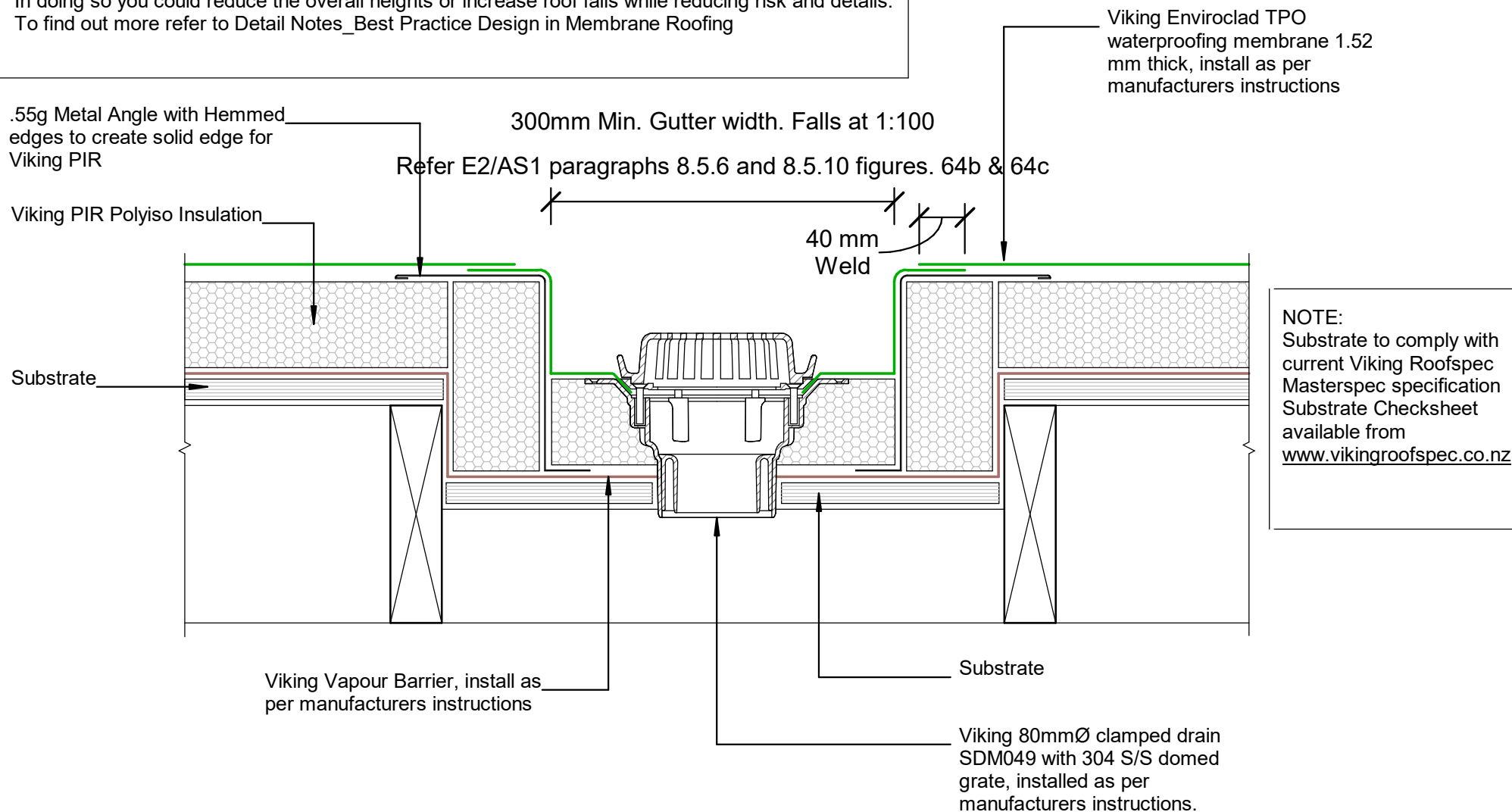
Viking Roofspec recommend that the  
membrane extends across the top of the  
parapet and down the front face of the cladding

The top of the parapet substrate, must be  
angled to allow water to run off the top of the  
parapet  
\*If no metal cap is to be used, then a 10° slope  
to the top of parapet is required. Refer E2/AS1  
6.5(a)

All fixings for the cap flashing, must be sealed  
and through the side of the flashing.

**NOTE:** Where Parapet meets wall refer WRE\_40A

NOTE: It is Viking Roofspecs view that Internal Gutters can be eliminated in many cases. In doing so you could reduce the overall heights or increase roof falls while reducing risk and details. To find out more refer to Detail Notes\_Best Practice Design in Membrane Roofing



NOTE:  
Substrate to comply with current Viking Roofspec Masterspec specification Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)



Viking Enviroclad TPO  
waterproofing membrane 1.52  
mm thick, install as per  
manufacturers instructions

.55g Metal Angle with Hemmed  
edges to create solid edge for  
Viking PIR

Viking PIR Polyiso Insulation

Substrate

Cladding to Overlap  
membrane by a minimum  
50mm

Overflow level  
(Max.high-point of deck)

40 mm  
Weld

Membrane continues a further  
100mm beyond Internal floor  
level as per  
E2/AS1 Fig 62(b,d)

100mm threshold from high-  
point of deck to Internal floor  
level or 150mm for roof to wall  
upstand. Refer E2/A1 Fig 64(b)

**NOTE:**  
Substrate to comply with  
current Viking Roofspec  
Masterspec specification  
Substrate Checksheet  
available from  
[www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

Viking Vapour Barrier, install as  
per manufacturers instructions

Substrate

Viking 80mmØ clamped drain  
SDM049 with 304 S/S domed  
grate, installed as per  
manufacturers instructions.

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Internal Gutter\_to Wall

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

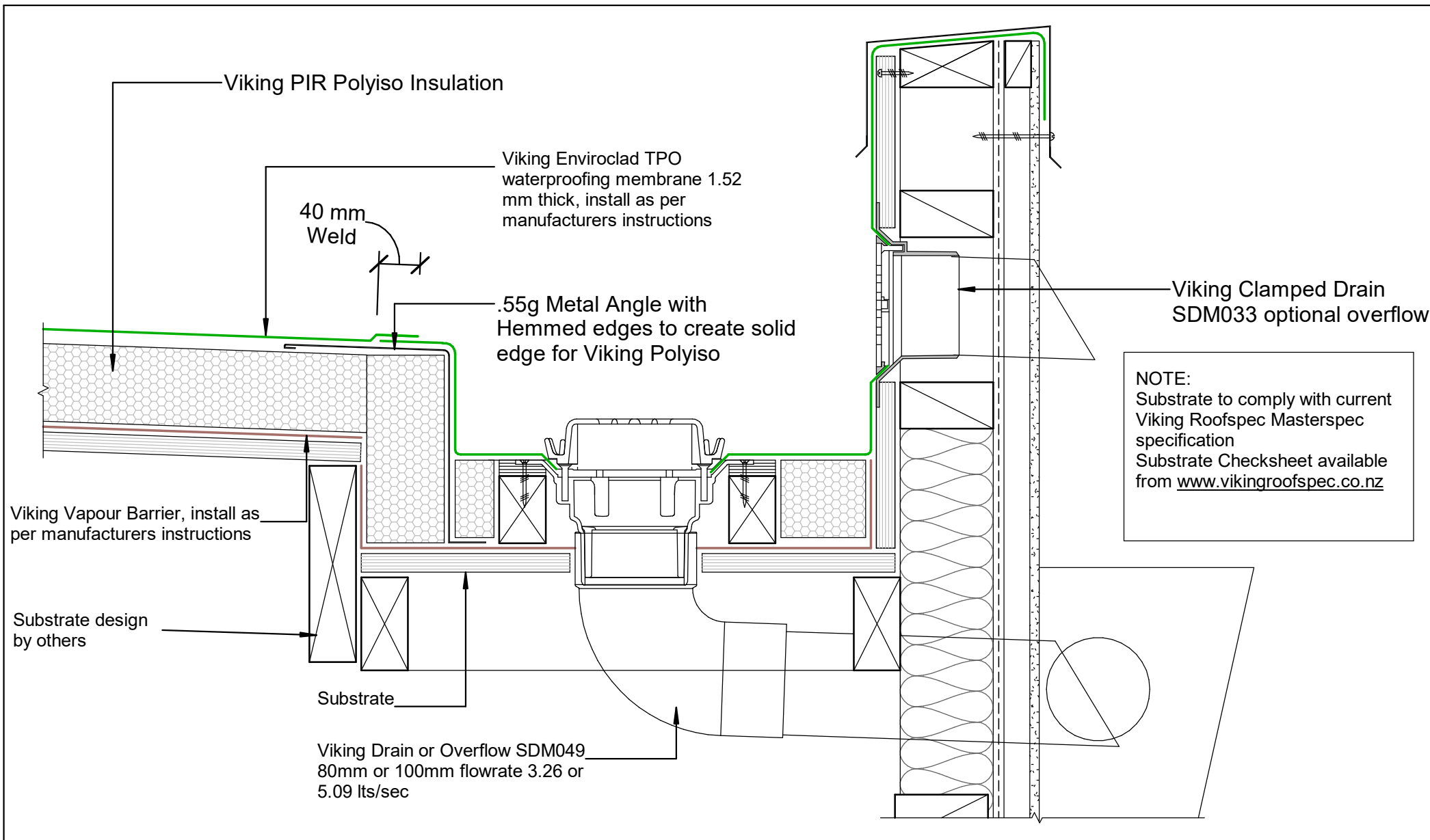
WarmRoof System is Branz  
Appraised - 713


DRAWING

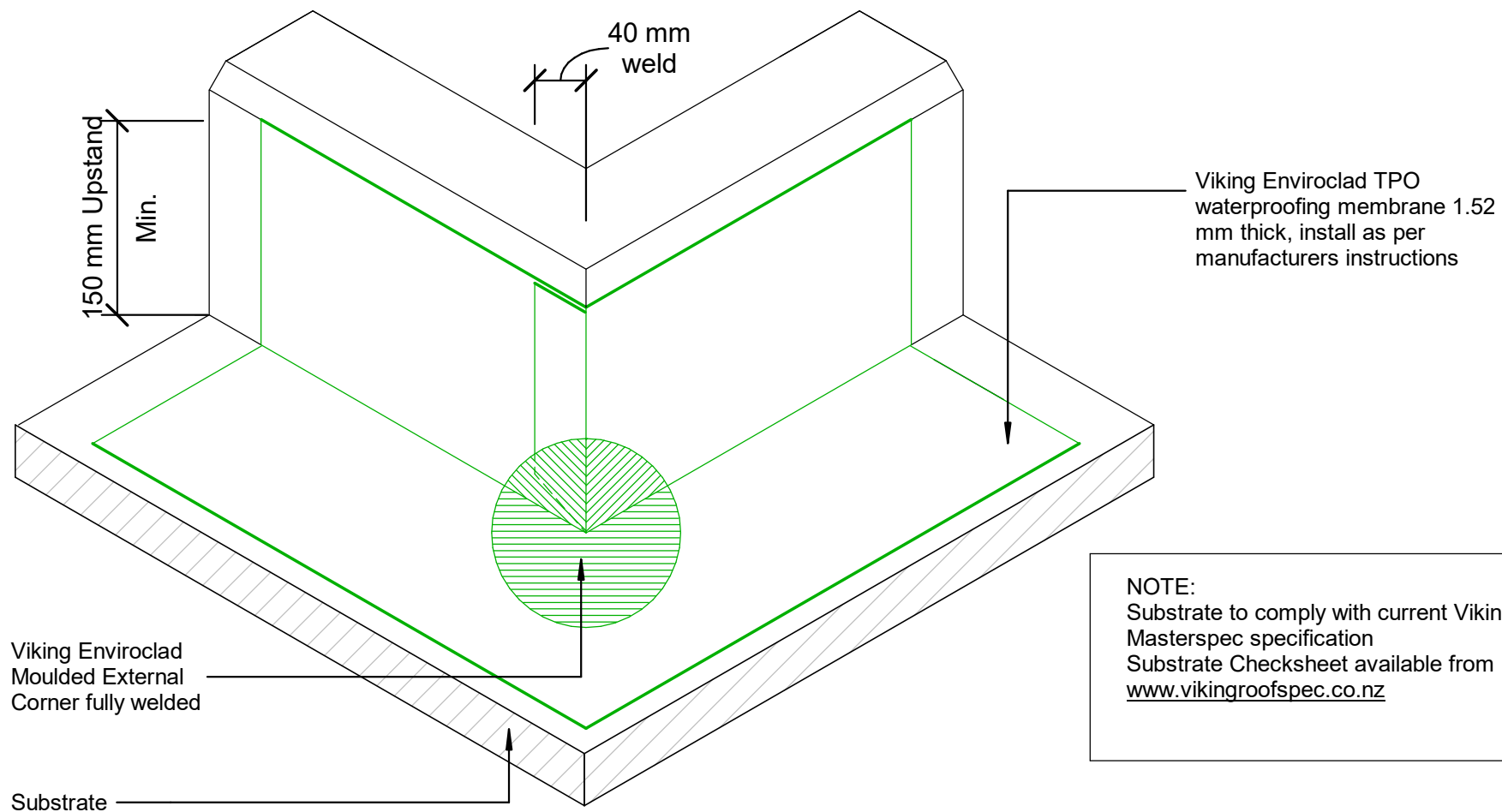
INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:			

**VIK\_WRE\_051\_GUTTWALL**



DRAWING TITLE		NOTES:	DRAWING INFORMATION ONLY			
 <p>Viking WarmRoof - Enviroclad Internal Gutter_with outlet / overflow</p>		<p>* Angle fillets are not required at upstands for Enviroclad            * All fixings, cladding and structure are indicative only unless noted            * All details to be read in conjunction with Viking Specifications</p>	WarmRoof System is Branz Appraised - 713			
			Scale:	Date:	Drawn:	Viking
			Not to Scale	01/03/2022		
			Detail Ref: <b>VIK_WRE_052_GUTTWALL</b>			



**NOTE:**  
 Substrate to comply with current Viking Roofspec Masterspec specification  
 Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

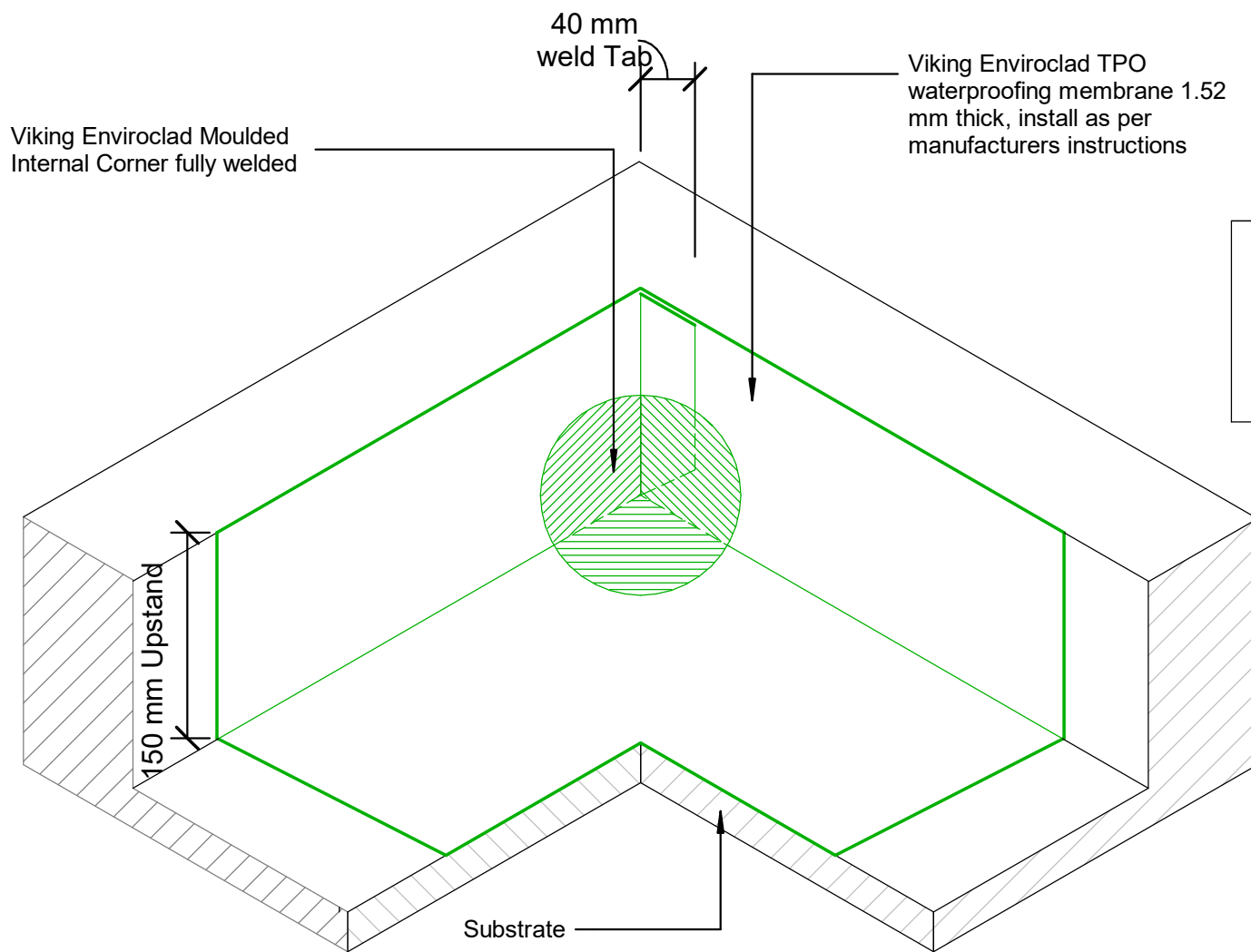
**NOTES:**

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

**DRAWING**

**INFORMATION ONLY**

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	<b>VIK_WRE_060_INTSECRN</b>		



NOTE: Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

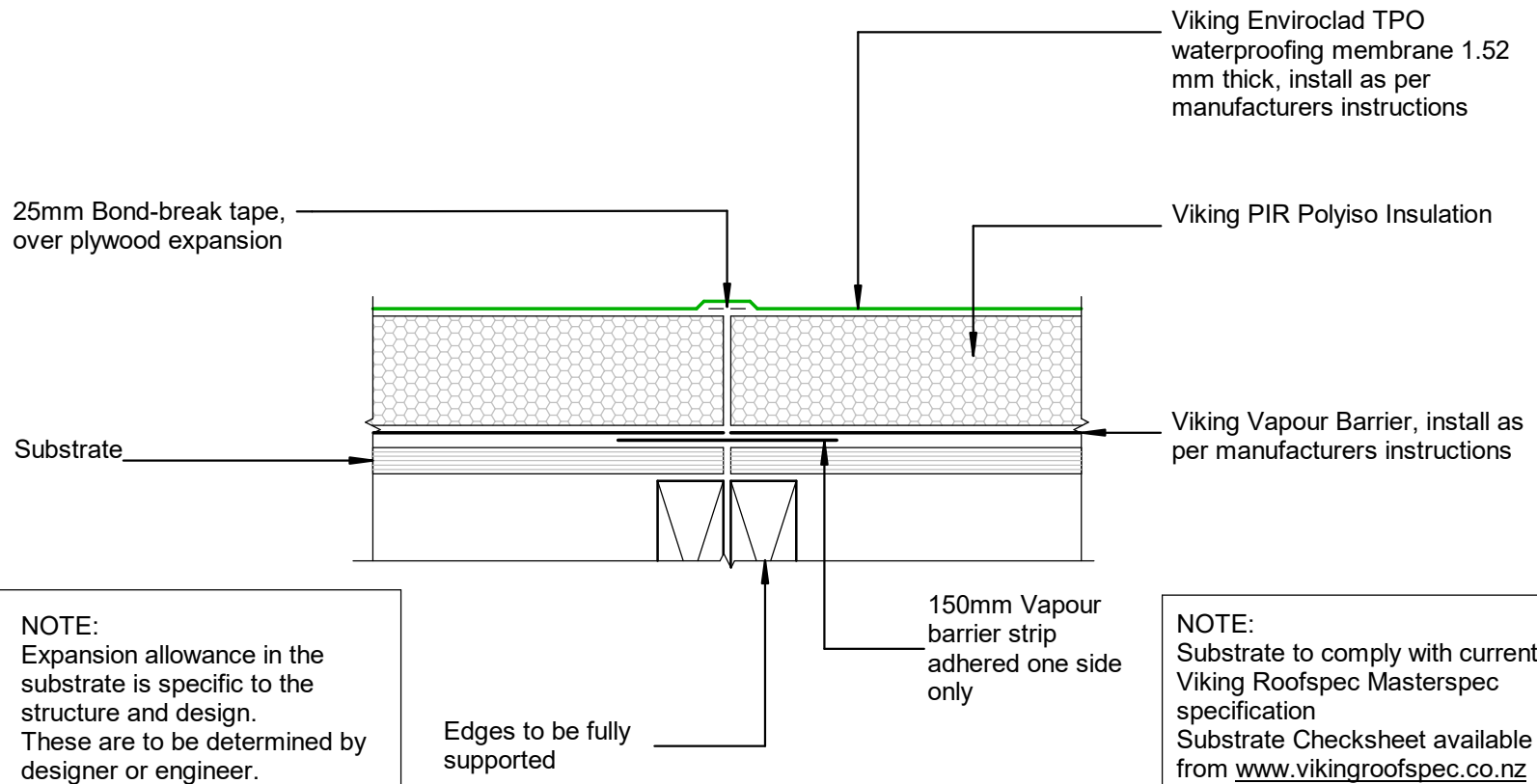
NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WRE_061_INTSICNR		



DRAWING TITLE

## Viking WarmRoof - Enviroclad Intersection\_Substrate Expansion

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

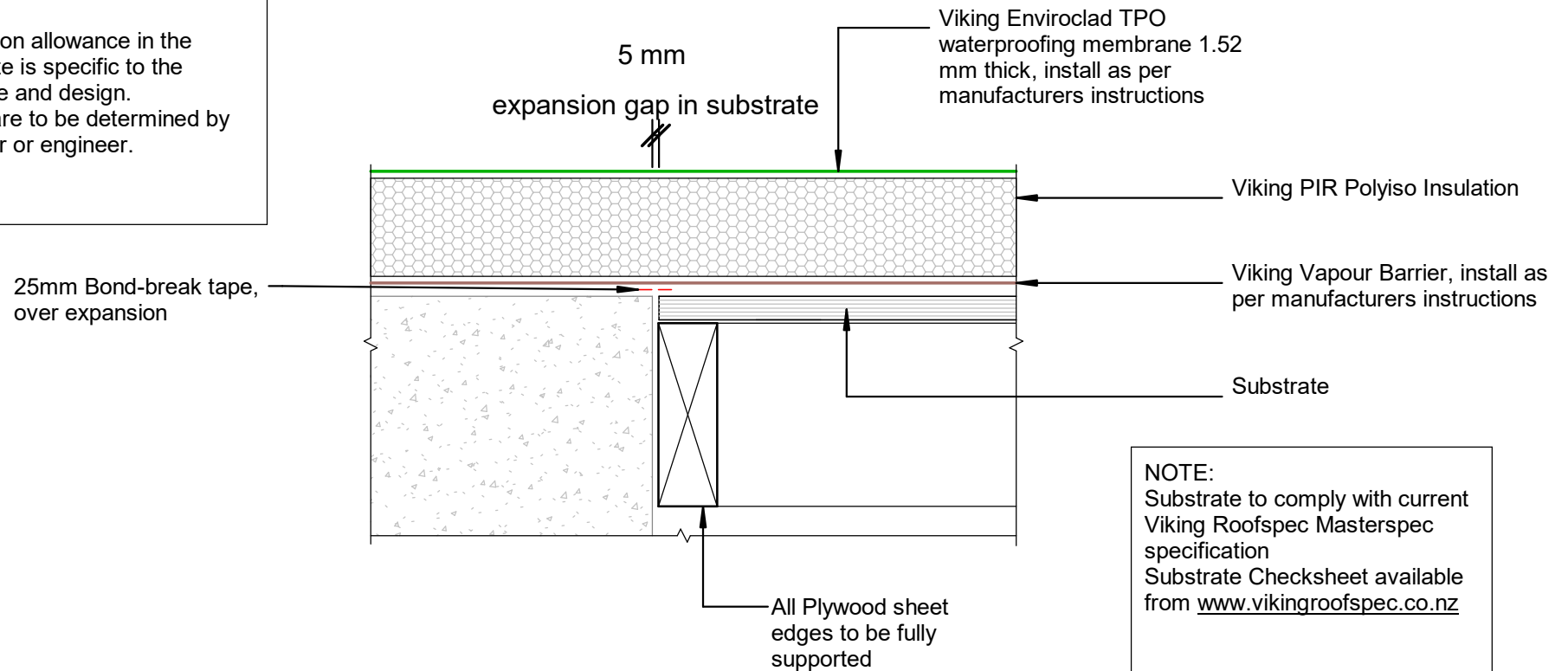
WarmRoof System is Branz  
Appraised - 713

DRAWING

### INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WRE_062_INTSSUBS		

**NOTE:**  
Expansion allowance in the substrate is specific to the structure and design. These are to be determined by designer or engineer.



**NOTE:**  
Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Intersection\_Substrate Expansion Ply to Concrete

NOTES:

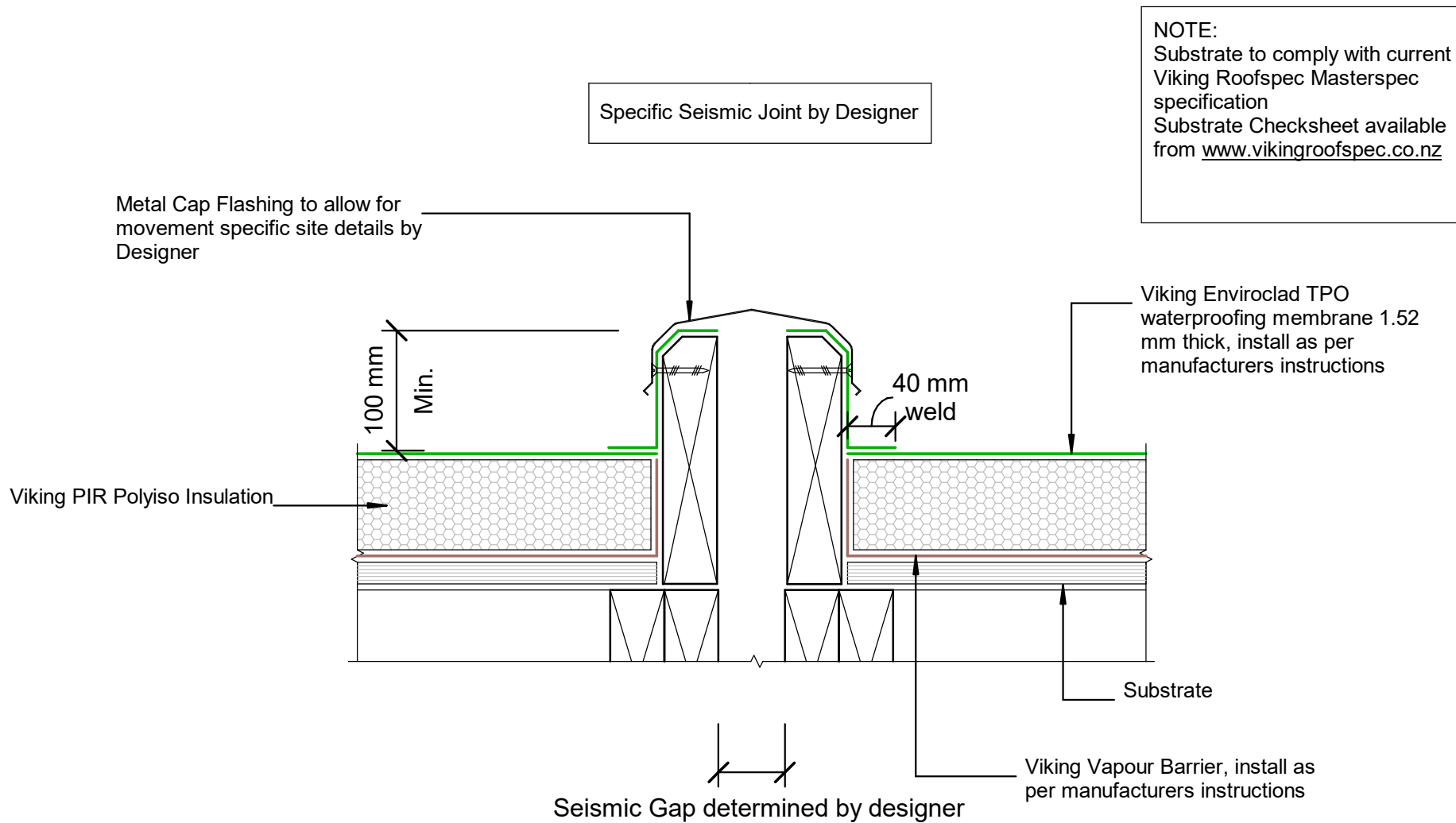
- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

WarmRoof System is Branz Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WRE_062A_INTSSUBS			



DRAWING TITLE

Viking WarmRoof - Enviroclad  
Intersection\_Seismic Gap Generic

NOTES:

- \* Angle fillets are not required at  
upstands for Enviroclad
- \* All fixings, cladding and structure are  
indicative only unless noted
- \* All details to be read in conjunction with  
Viking Specifications

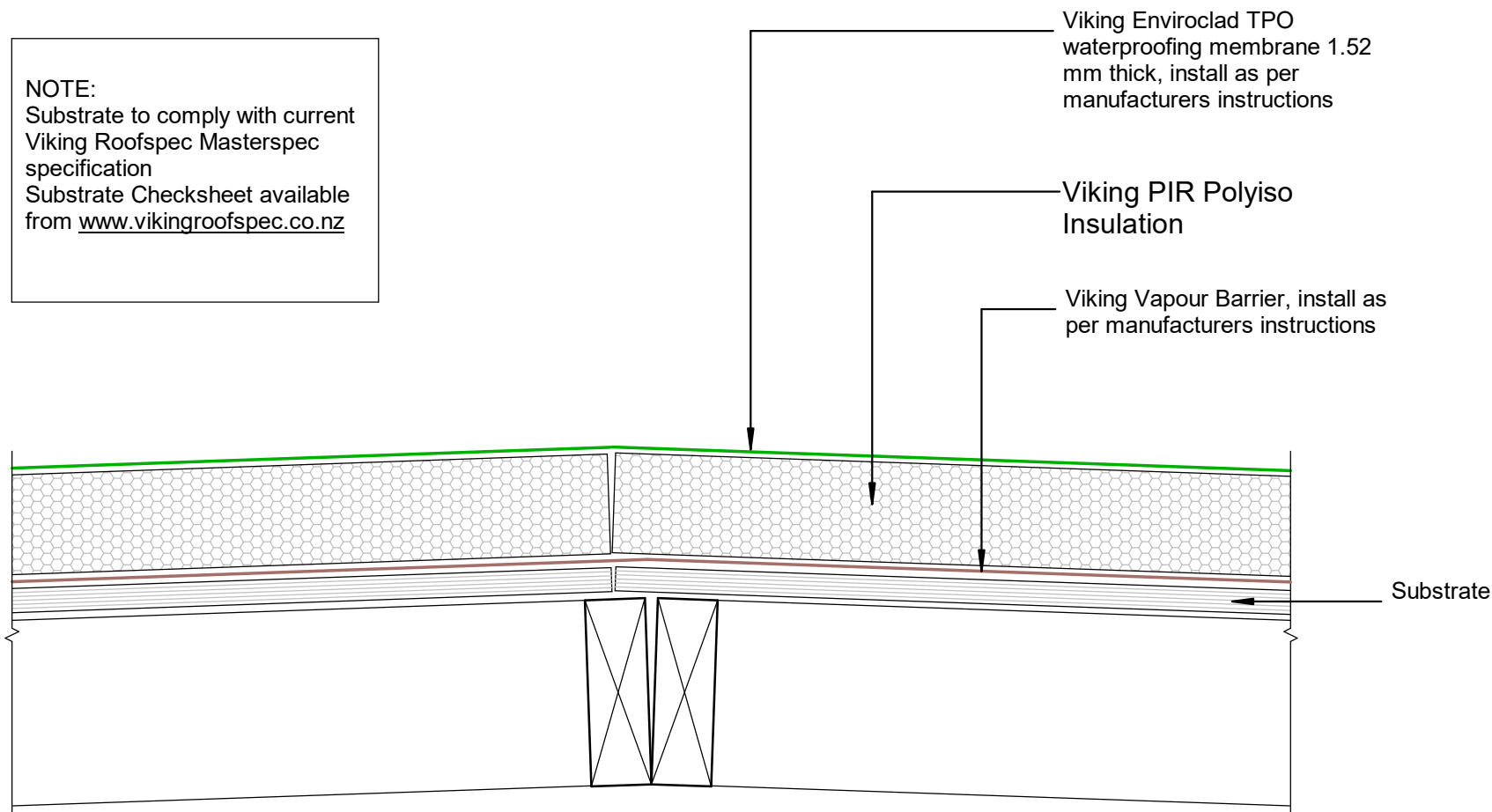
WarmRoof System is Branz  
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WRE_063_INTSSEIS		

**NOTE:**  
 Substrate to comply with current  
 Viking Roofs spec Masterspec  
 specification  
 Substrate Checksheet available  
 from [www.vikingroofs.spec.co.nz](http://www.vikingroofs.spec.co.nz)



DRAWING TITLE

Viking WarmRoof - Enviroclad  
 Intersection\_Ridge / Hip

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

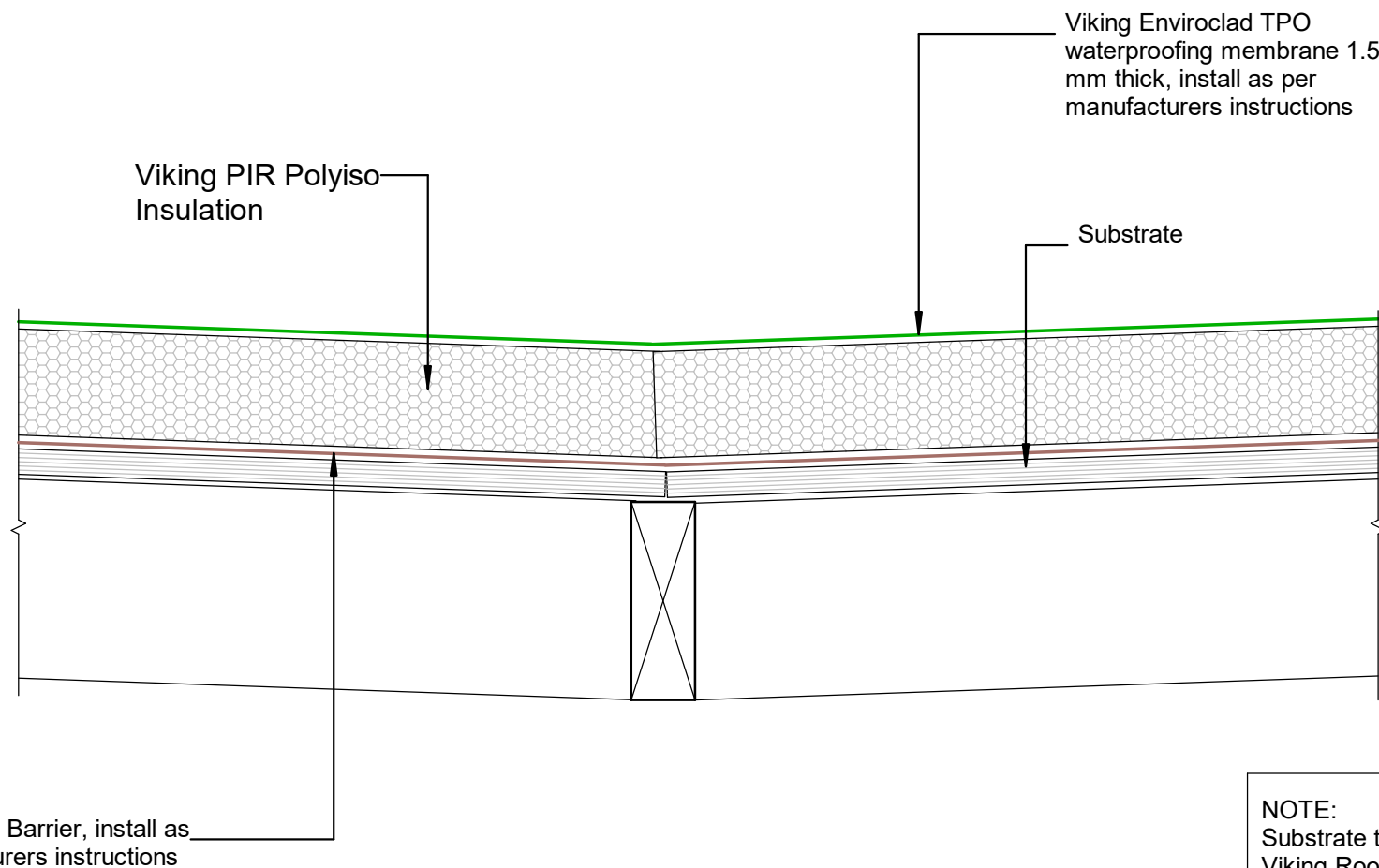
WarmRoof System is Branz  
 Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_064_INTSRIDG</b>			





**NOTE:**  
 Substrate to comply with current  
 Viking Roofspec Masterspec  
 specification  
 Substrate Checksheet available  
 from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

DRAWING TITLE

Viking WarmRoof - Enviroclad  
 Intersection\_Valley

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

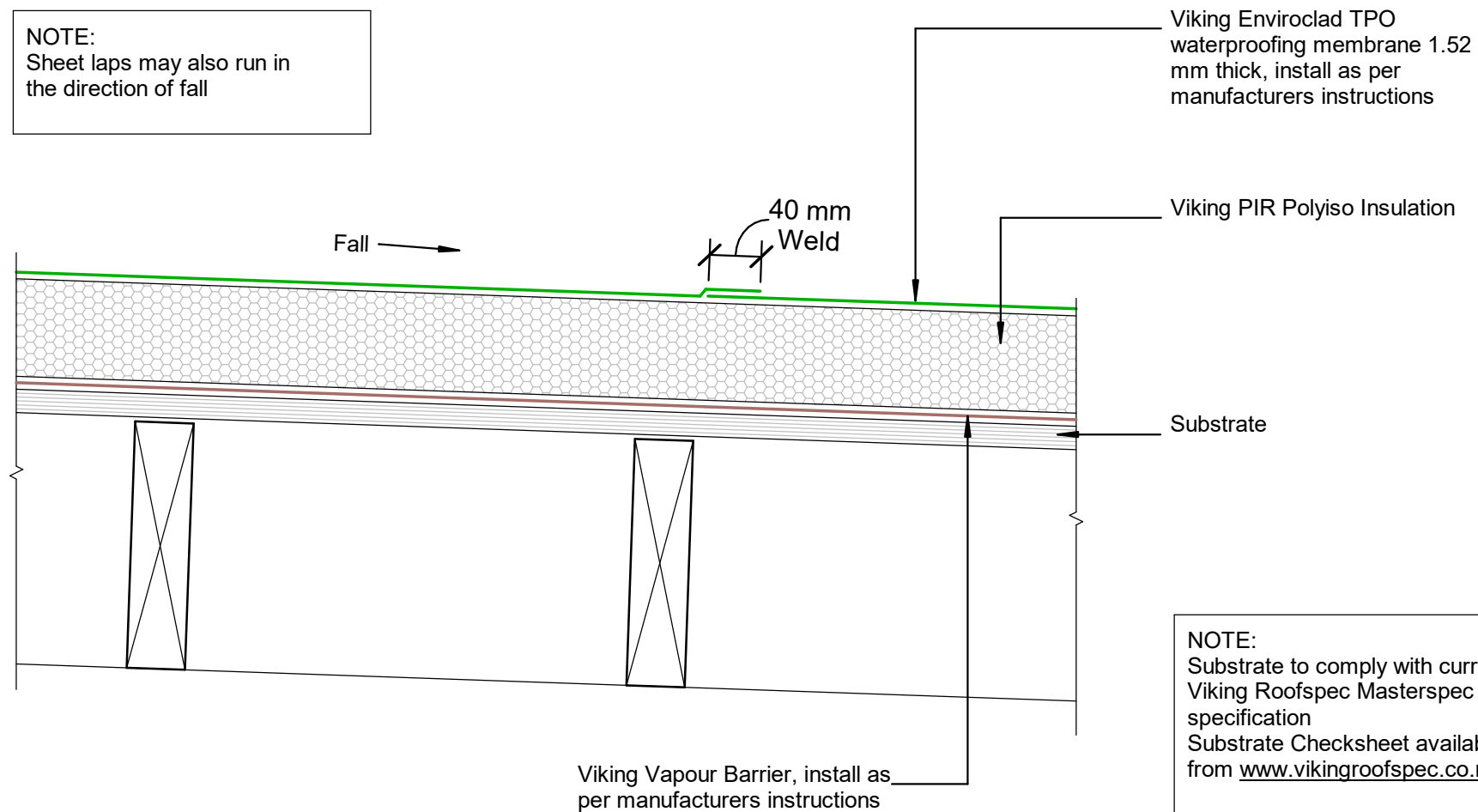
WarmRoof System is Branz  
 Appraised - 713

DRAWING

INFORMATION ONLY

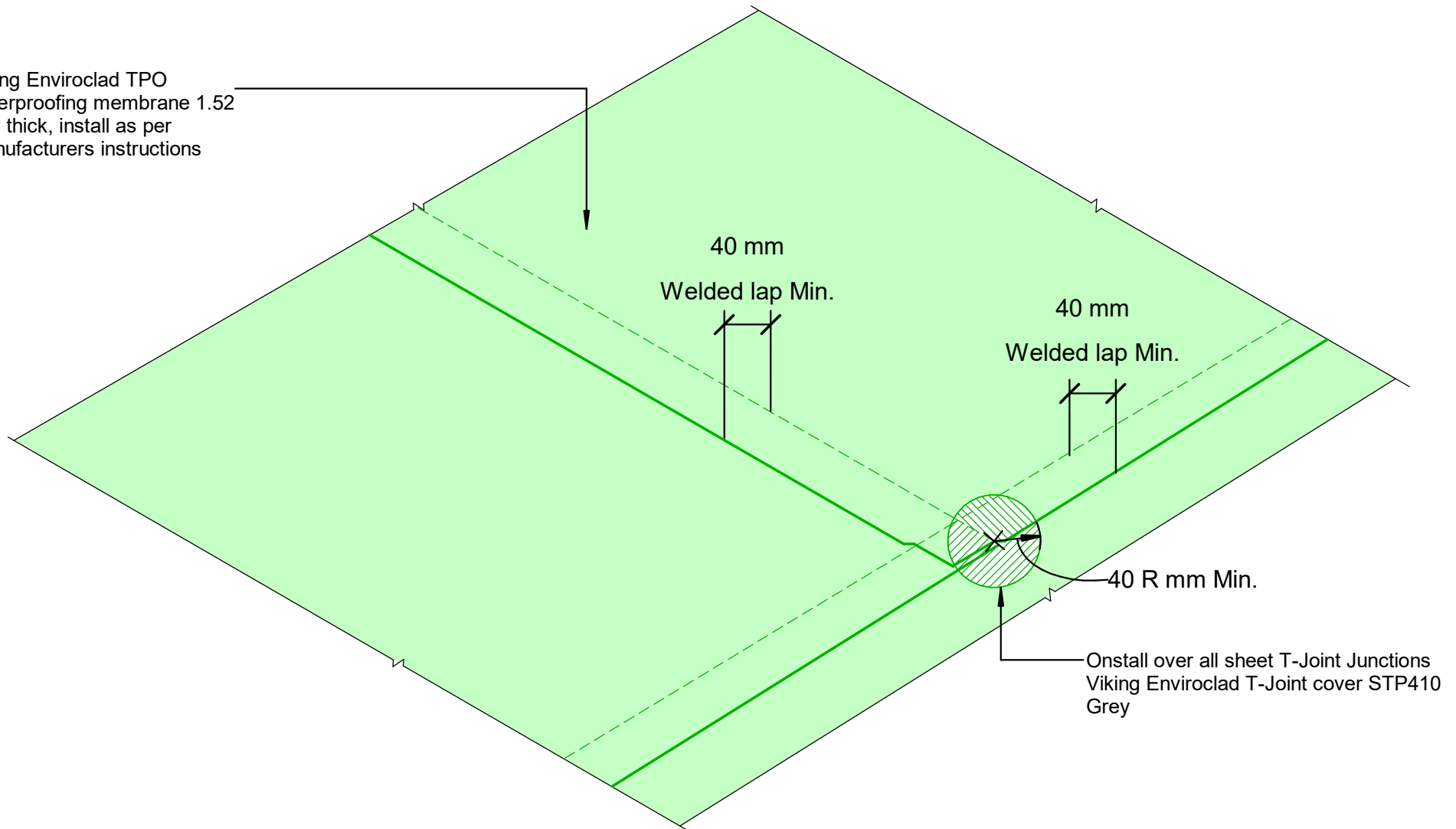
Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_065_INTSVALL</b>			

NOTE:  
Sheet laps may also run in  
the direction of fall



NOTE:  
Substrate to comply with current  
Viking Roofspec Masterspec  
specification  
Substrate Checksheet available  
from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

Viking Enviroclad TPO  
waterproofing membrane 1.52  
mm thick, install as per  
manufacturers instructions



DRAWING TITLE

Viking WarmRoof - Enviroclad  
Intersection\_Sheet T-Joint

NOTES:

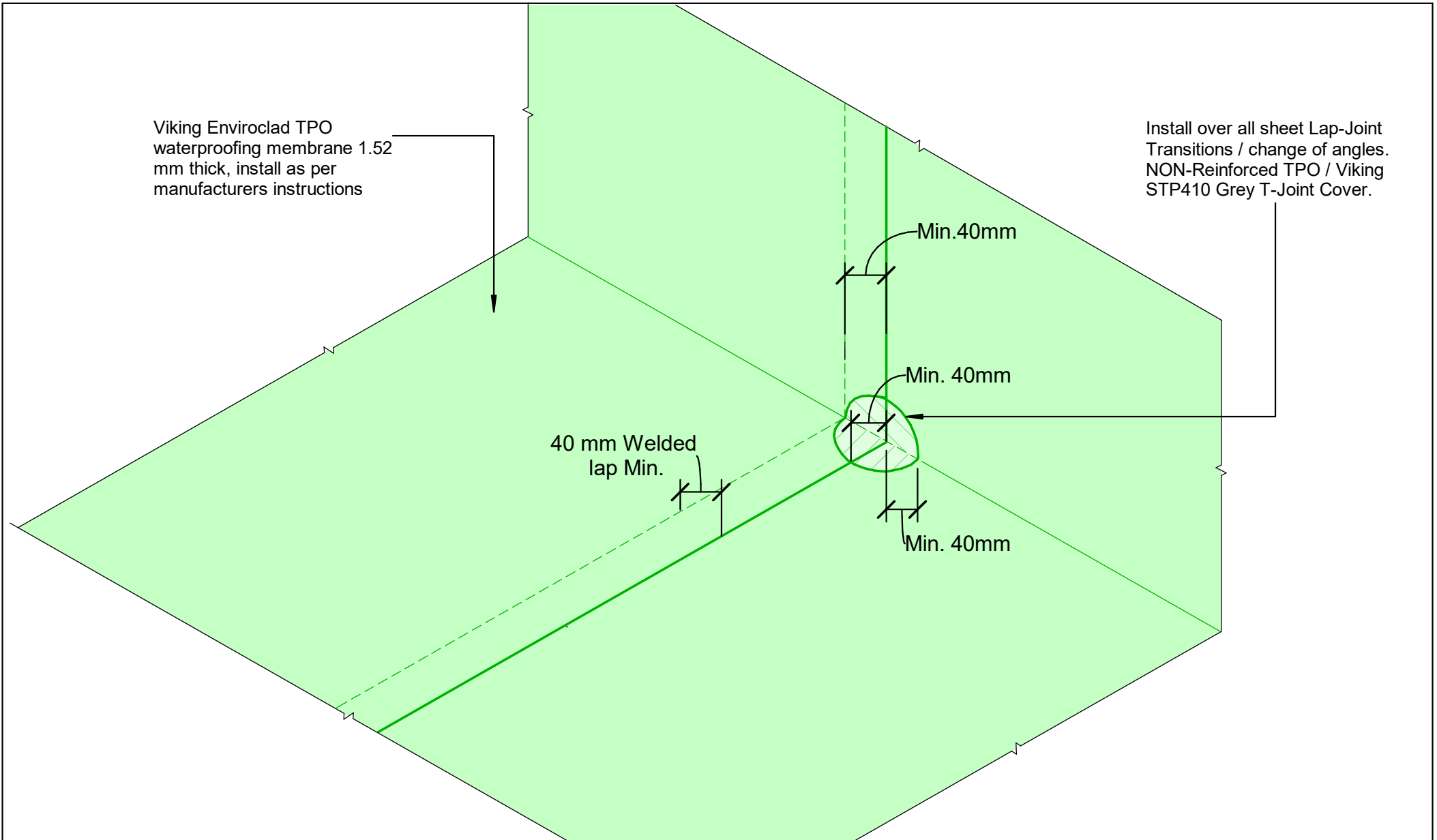
- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications


WarmRoof System is Branz  
Appraised - 713

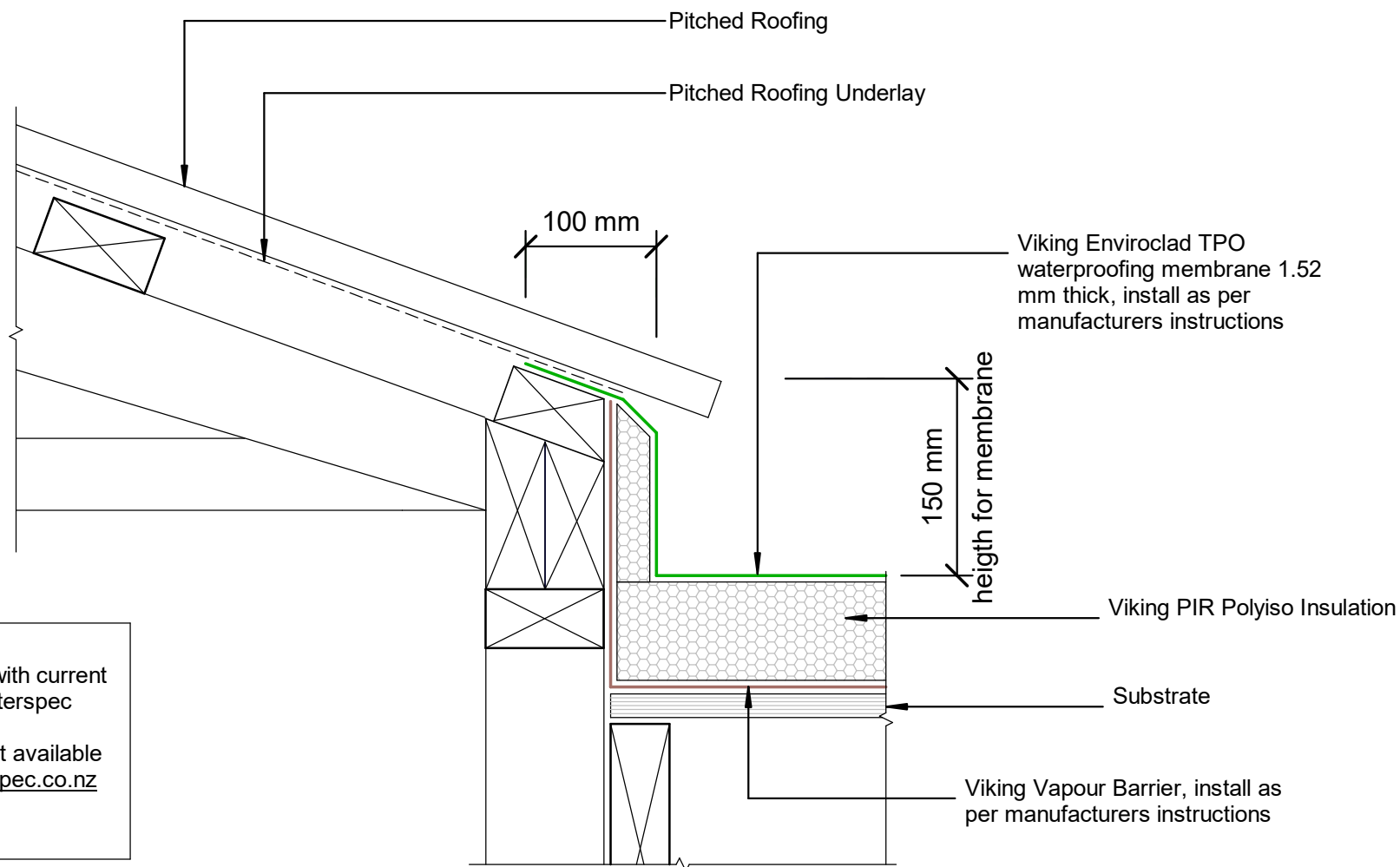
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WRE_067_INTSSHTT			



	DRAWING TITLE	NOTES:	WarmRoof System is Branz Appraised - 713	DRAWING INFORMATION ONLY			
	Viking WarmRoof - Enviroclad Intersection_Lap Transition	<ul style="list-style-type: none"> <li>* Angle fillets are not required at upstands for Enviroclad</li> <li>* All fixings, cladding and structure are indicative only unless noted</li> <li>* All details to be read in conjunction with Viking Specifications</li> </ul>		Scale: Not to Scale Date: 01/03/2022 Drawn: Viking	Detail Ref: <b>VIK_WRE_068_INTSLAPT</b>		



**NOTE:**  
 Substrate to comply with current  
 Viking Roofspec Masterspec  
 specification  
 Substrate Checksheet available  
 from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

DRAWING TITLE

## Viking WarmRoof - Enviroclad Roof Junction\_Upstand to Pitched Roofing

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

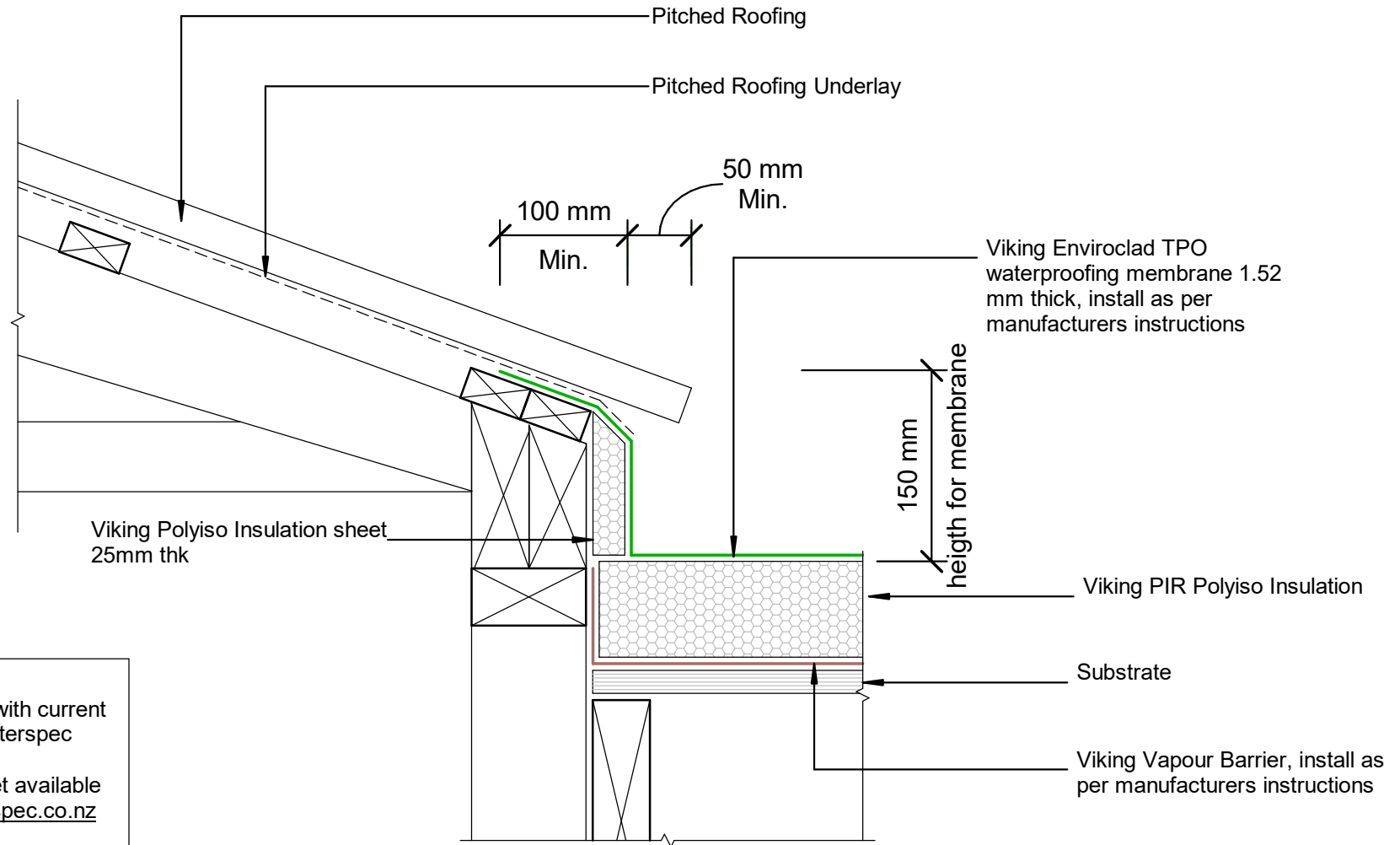
WarmRoof System is Branz  
 Appraised - 713

DRAWING

### INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		

Detail Ref: **VIK\_WRE\_070\_RJUNUPST**



**NOTE:**  
 Substrate to comply with current  
 Viking Roofs spec Masterspec  
 specification  
 Substrate Checksheet available  
 from [www.vikingroofs spec.co.nz](http://www.vikingroofs spec.co.nz)

DRAWING TITLE

# Viking WarmRoof - Enviroclad Roof Junction\_Polyiso Upstand to Pitched Roofing

NOTES:

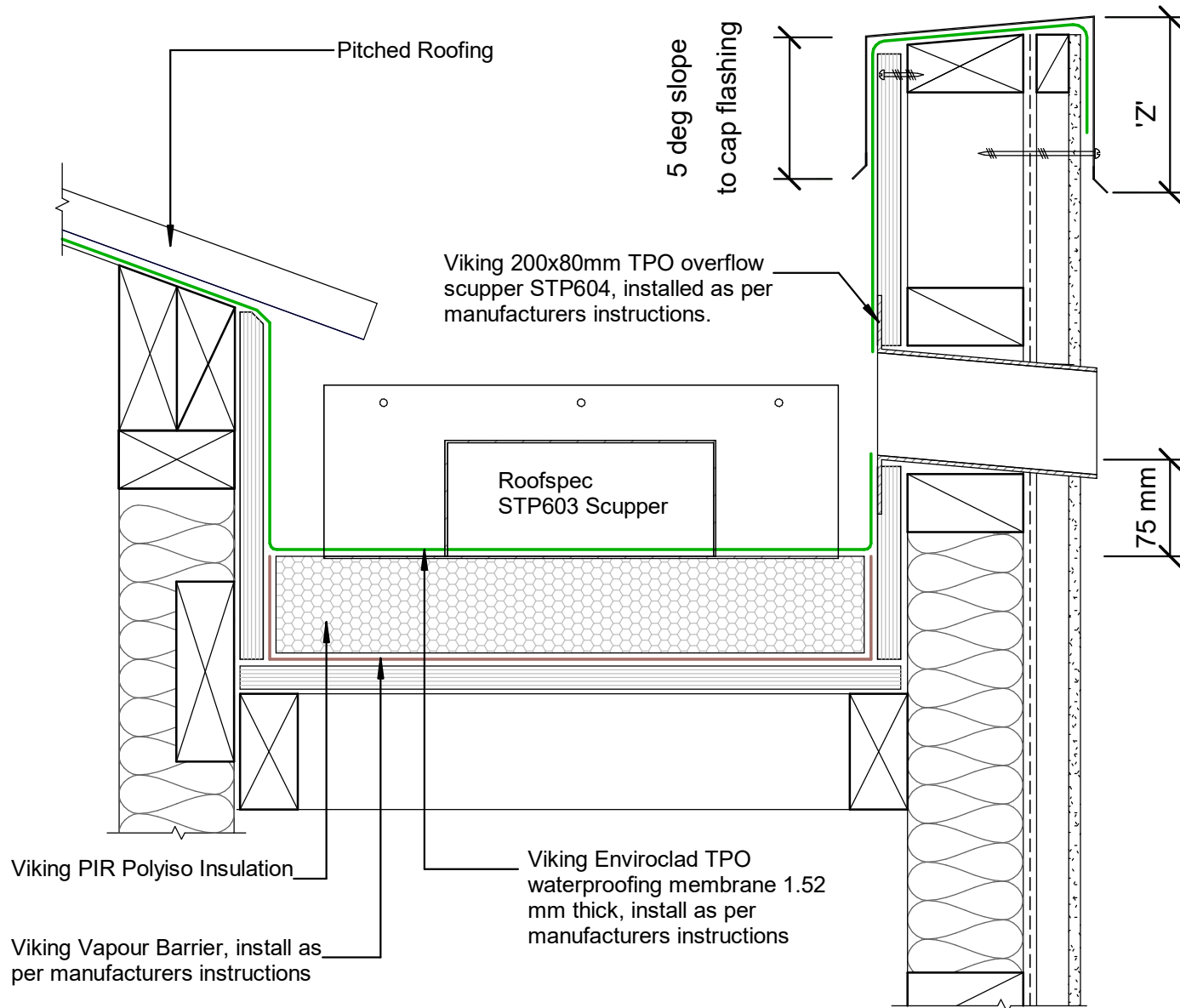
- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

WarmRoof System is Branz  
 Appraised - 713

DRAWING

## INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_070A_RJUNUPST</b>			



NOTE:  
Refer Scupper Detail WRE\_041

'Z' = variable according to wind zoning, please refer to table 7 E2/AS1

Gutters must be constructed to minimum of E2/AS1 Fig 52. Viking recommends 150mm vertical height also allowing installation of scupper outlets and overflows.

It is advisable to continue the membrane over the top of the parapet and finish over the front face of exterior cladding

The top of the parapet substrate, must be angled 5° to allow water to run off the top of the parapet  
\*If no metal cap is to be used, then a 10° slope to the top of parapet is required. Refer E2/AS1 6.5(a)

All fixings for the cap flashing, must be through the side of the flashing.

NOTE:  
Substrate to comply with current Viking Roofspect Masterspec specification  
Substrate Checksheet available from [www.vikingroofspect.co.nz](http://www.vikingroofspect.co.nz)

Viking Enviroclad TPO  
waterproofing membrane 1.52  
mm thick, install as per  
manufacturers instructions

Viking PIR Polyiso Insulation

Substrate

Viking Vapour Barrier, install as  
per manufacturers instructions.

SMT076V Lape Tape

NOTE:  
'Z' = variable according to wind  
zoning, please refer to table 7 E2/AS1

NOTE:  
Substrate to comply with current Viking  
Roofspec Masterspec specification  
Substrate Checksheet available from  
[www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

Metal Flashing refer E2  
paragraph 4.0

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Roof Junction\_Mansard Verge

NOTES:

- \* Angle fillets are not required at  
upstands for Enviroclad
- \* All fixings, cladding and structure are  
indicative only unless noted
- \* All details to be read in conjunction with  
Viking Specifications

WarmRoof System is Branz  
Appraised - 713

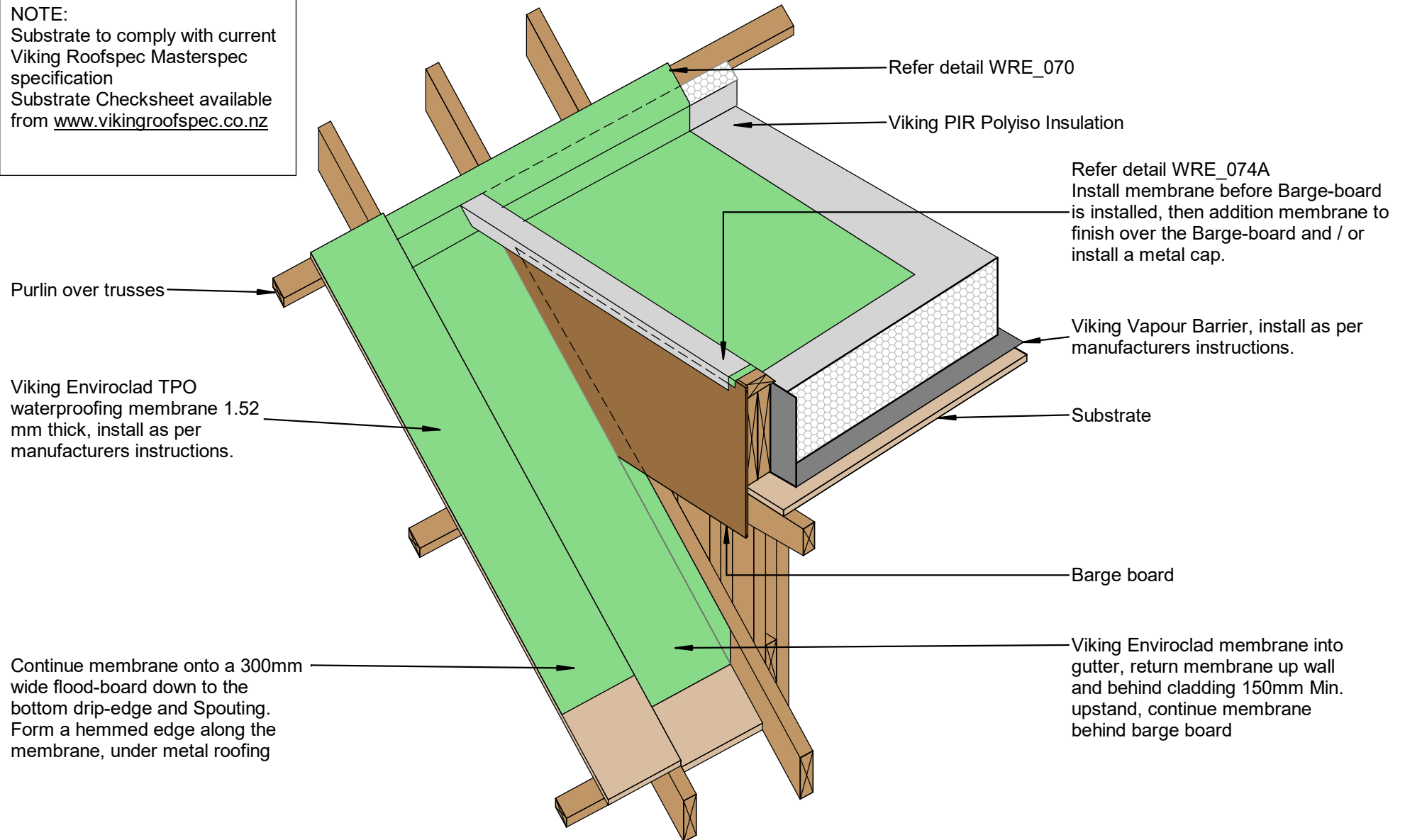
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_073_RJUNMANV</b>			



NOTE:  
Substrate to comply with current  
Viking Roofspec Masterspec  
specification  
Substrate Checksheets available  
from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)



NOTES:

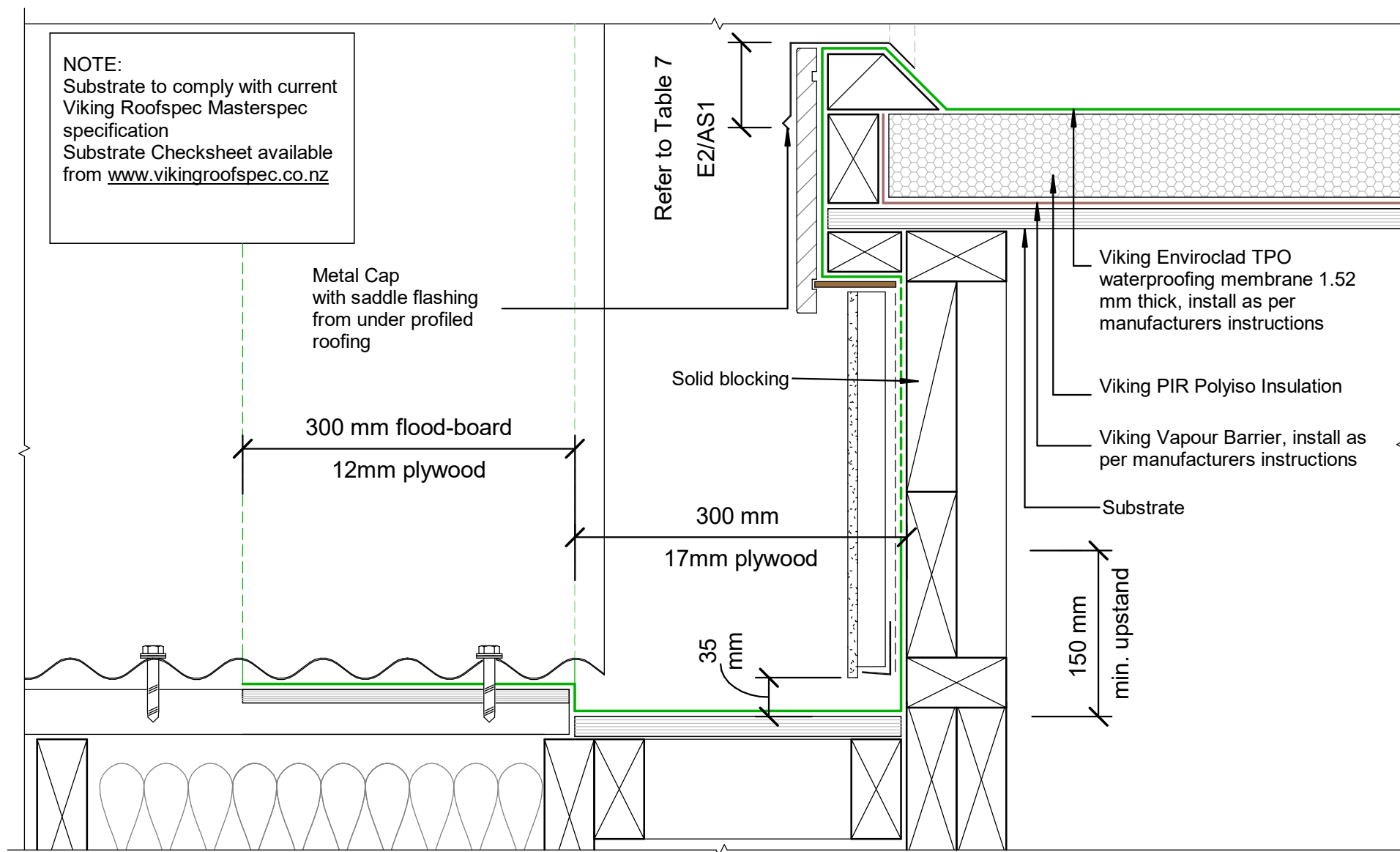
- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WRE_074_RJUNDORM		

NOTE:  
Substrate to comply with current  
Viking Roofspec Masterspec  
specification  
Substrate Checksheet available  
from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)



NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

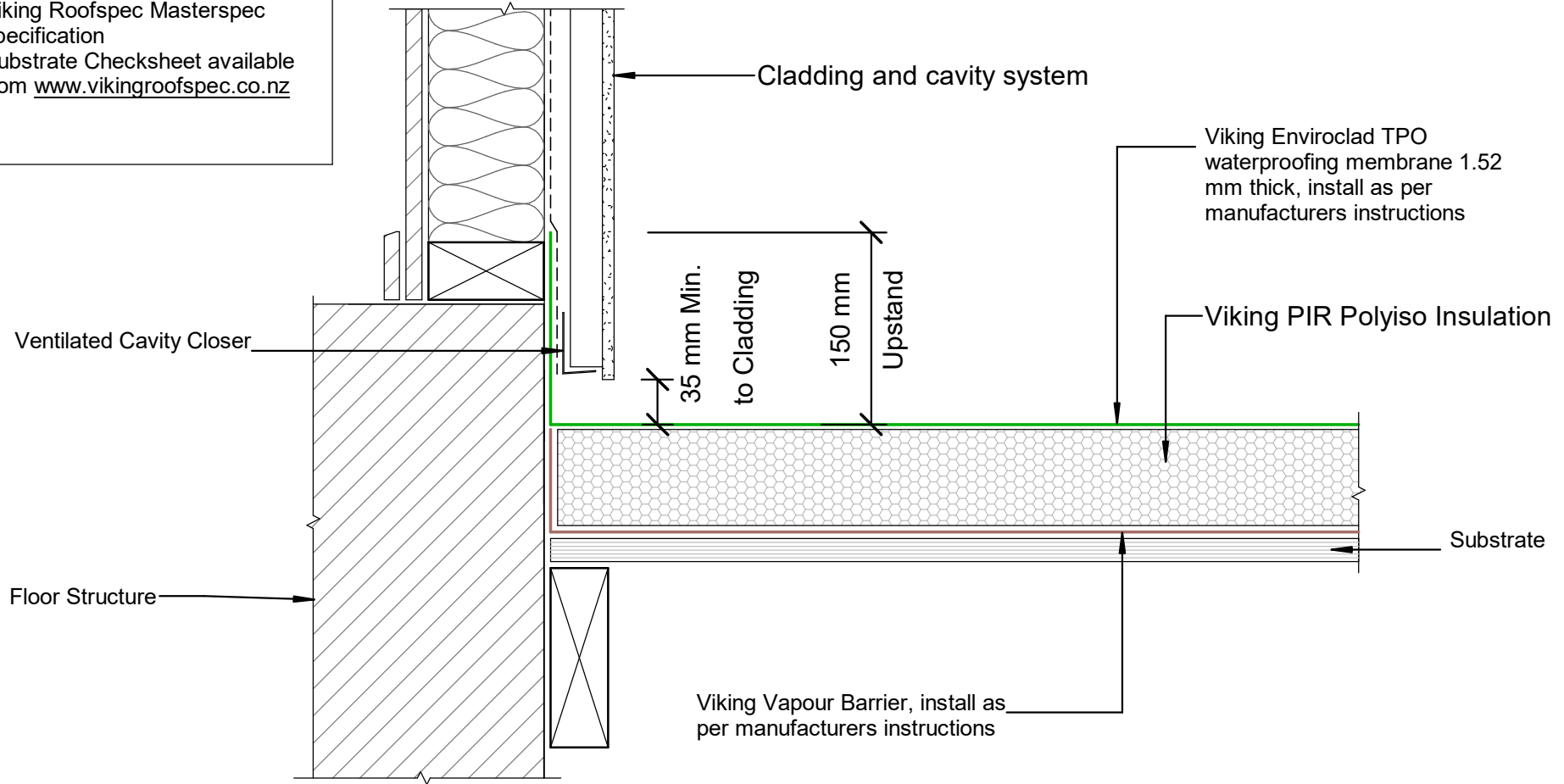
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		

Detail Ref: **VIK\_WRE\_074A\_RJUNDORM**

NOTE:  
 Substrate to comply with current  
 Viking Roofs spec Masterspec  
 specification  
 Substrate Checksheet available  
 from [www.vikingroofs spec.co.nz](http://www.vikingroofs spec.co.nz)



NOTES:

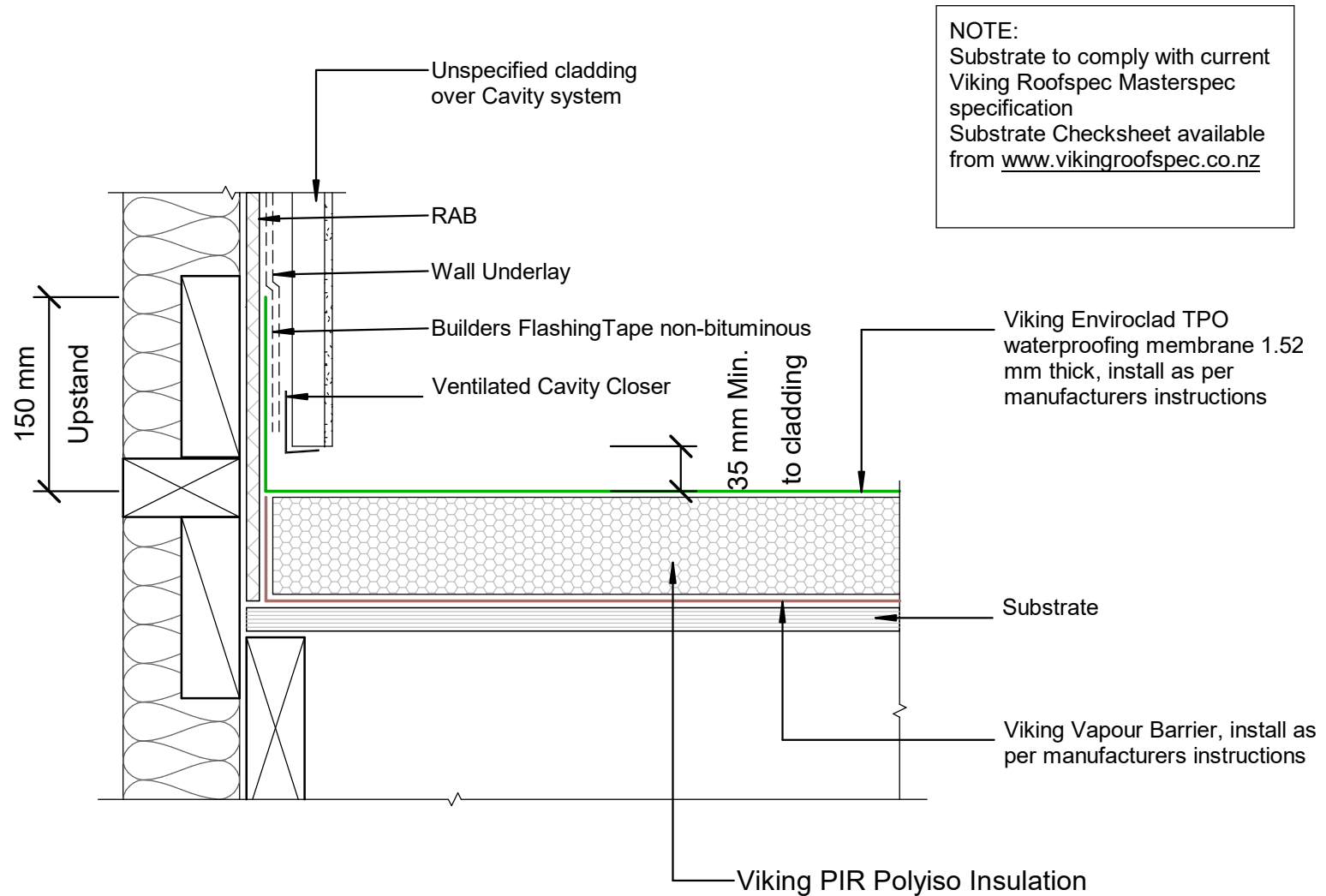
- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		

Detail Ref: **VIK\_WRE\_080\_APRNUPST**



DRAWING TITLE

Viking WarmRoof - Enviroclad  
Apron\_Upstand to RAB behind cladding

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

WarmRoof System is Branz  
Appraised - 713

DRAWING

INFORMATION ONLY

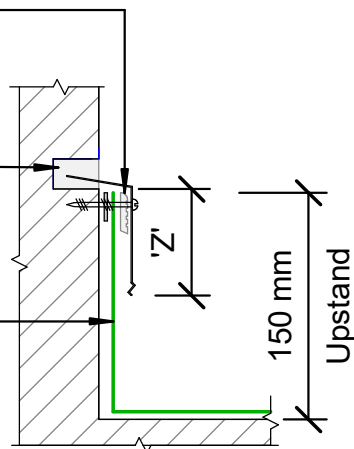
Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		

Detail Ref:  
**VIK\_WRE\_080A\_APRNURAB**

Viking Fixing Bar with STP870  
water cut-off mastic sealant  
between membrane and wall for a  
compression seal

MS Sealant

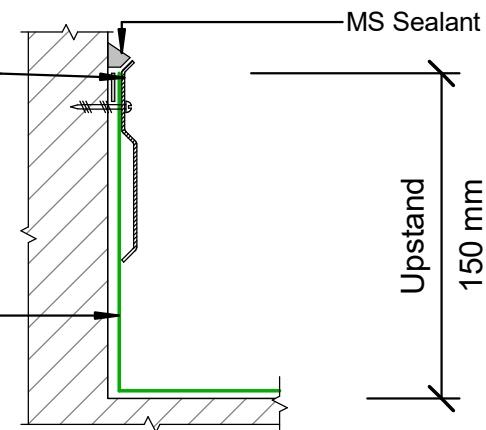
Viking Enviroclad TPO  
waterproofing membrane 1.52  
mm thick, install as per  
manufacturers instructions



Chase termination 'A'

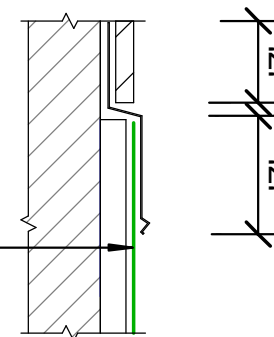
Viking Termination Flashing IMT708  
with STP870  
water cut-off mastic sealant  
between membrane and wall for a  
compression seal

Viking Enviroclad TPO  
waterproofing membrane 1.52  
mm thick, install as per  
manufacturers instructions



Bar termination 'B' recommended only  
where a chase detail is not possible

Viking Enviroclad TPO  
waterproofing membrane 1.52  
mm thick, install as per  
manufacturers instructions



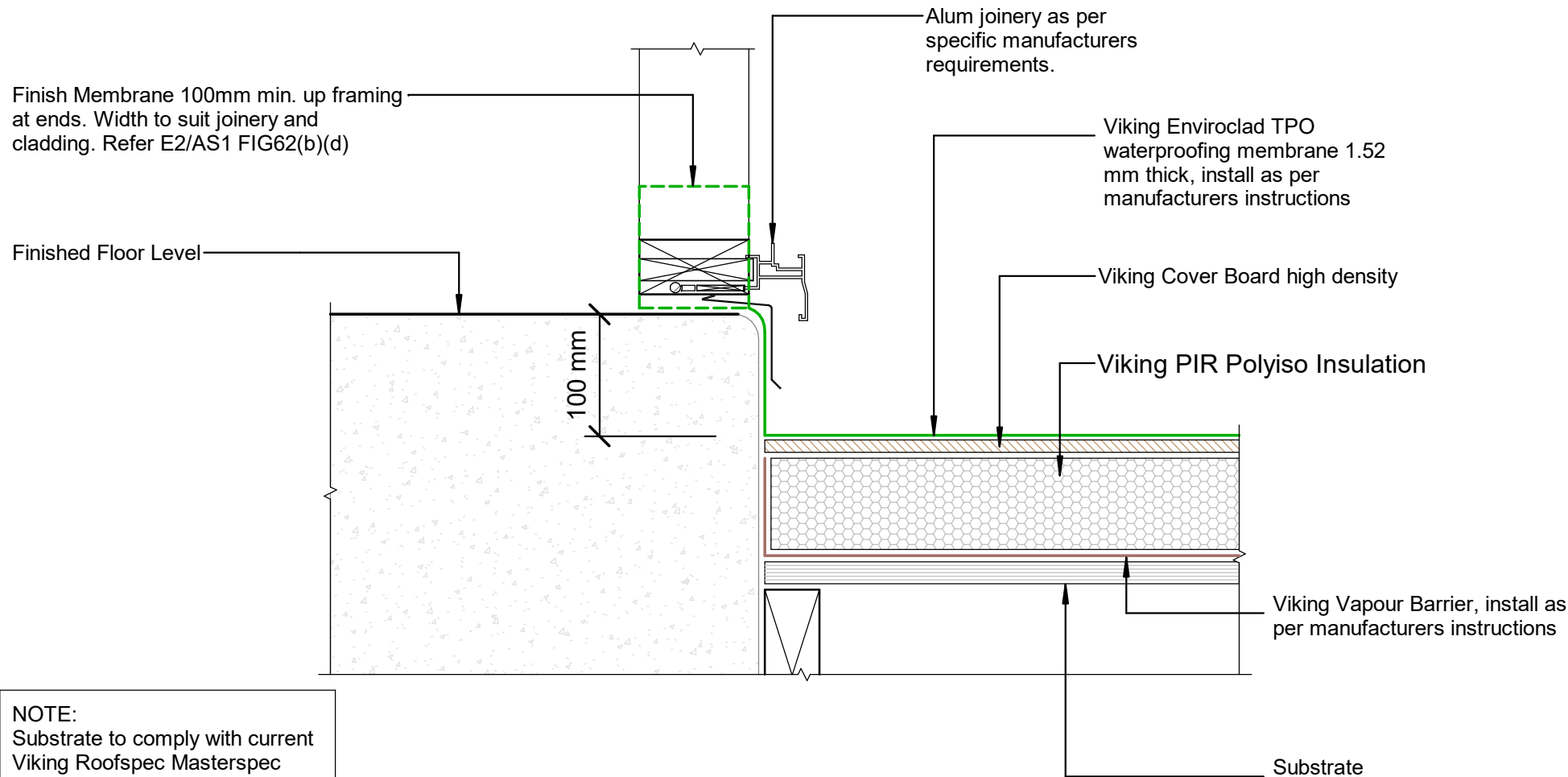
Apron Flashing  
termination 'C'

#### NOTES:

'Z' = Variable cover according to wind zone refer table 7 E2/AS1  
150mm membrane upstand height where-ever possible

#### NOTES:

Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)



**NOTE:**  
 Substrate to comply with current Viking Roofspec Masterspec specification  
 Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

DRAWING TITLE

Viking WarmRoof - Enviroclad  
 Threshold\_Door

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

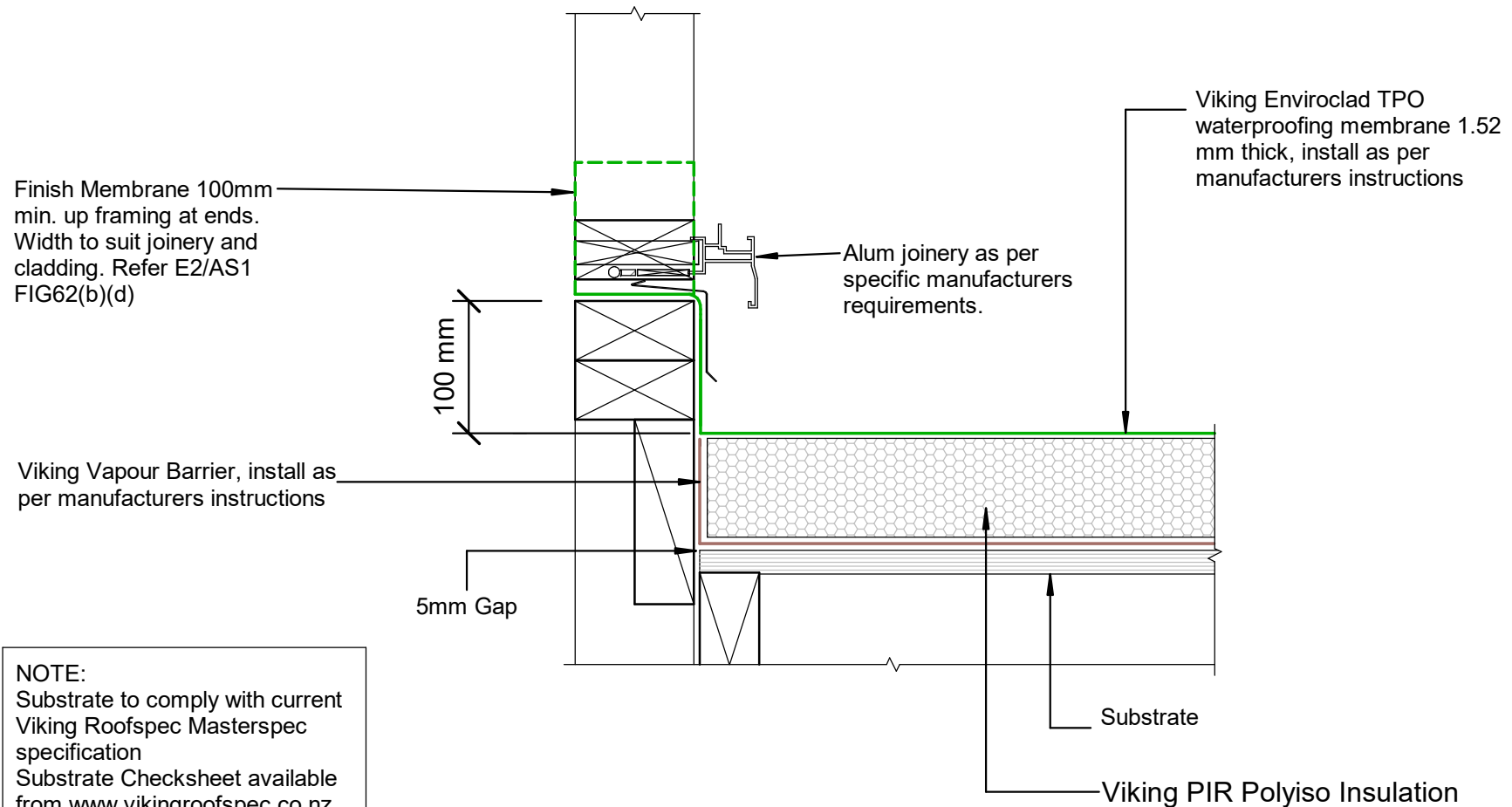
WarmRoof System is Branz  
 Appraised - 713

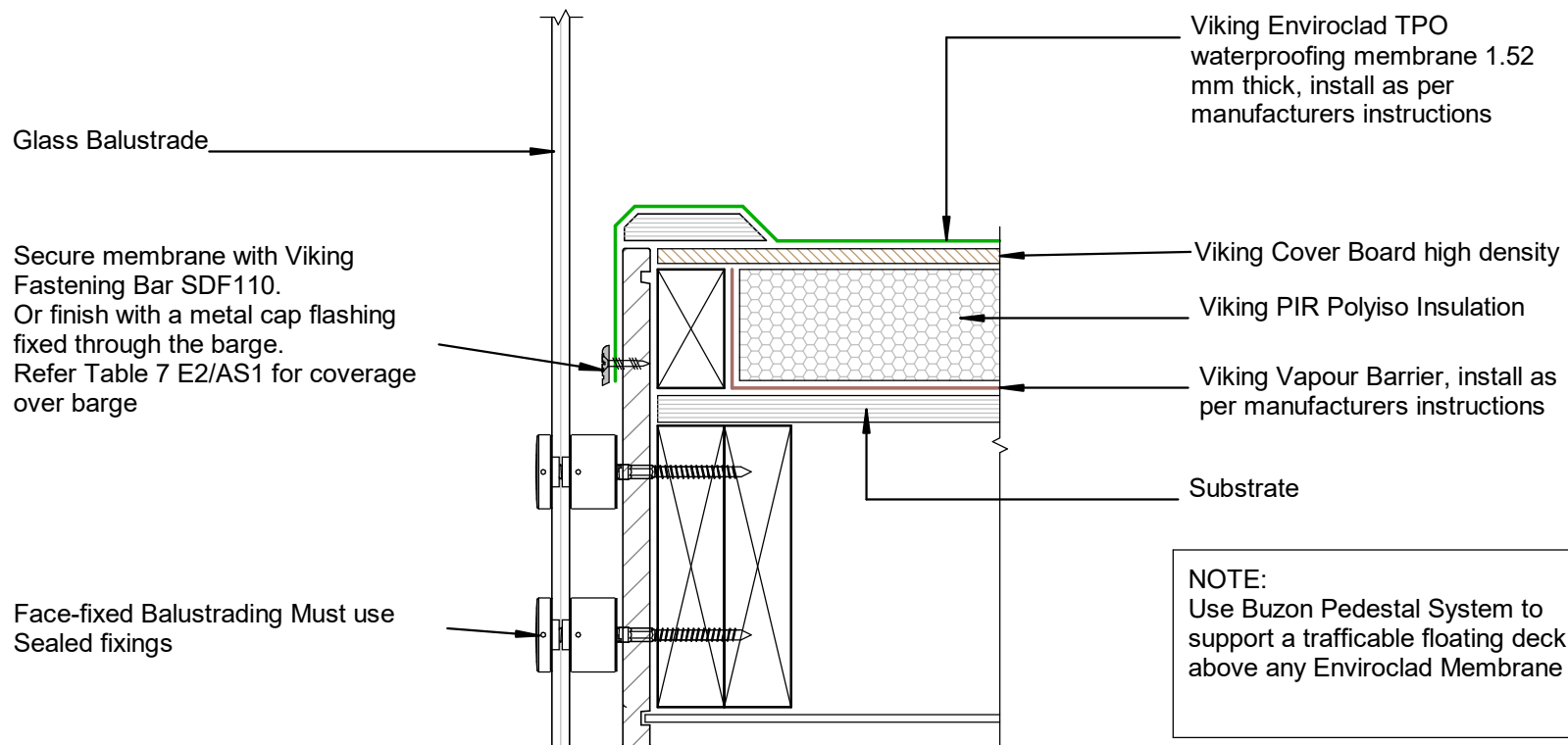
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		

Detail Ref: **VIK\_WRE\_090\_DOORTHRS**





DRAWING TITLE

## Viking WarmRoof - Enviroclad Deck\_Balustrade

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

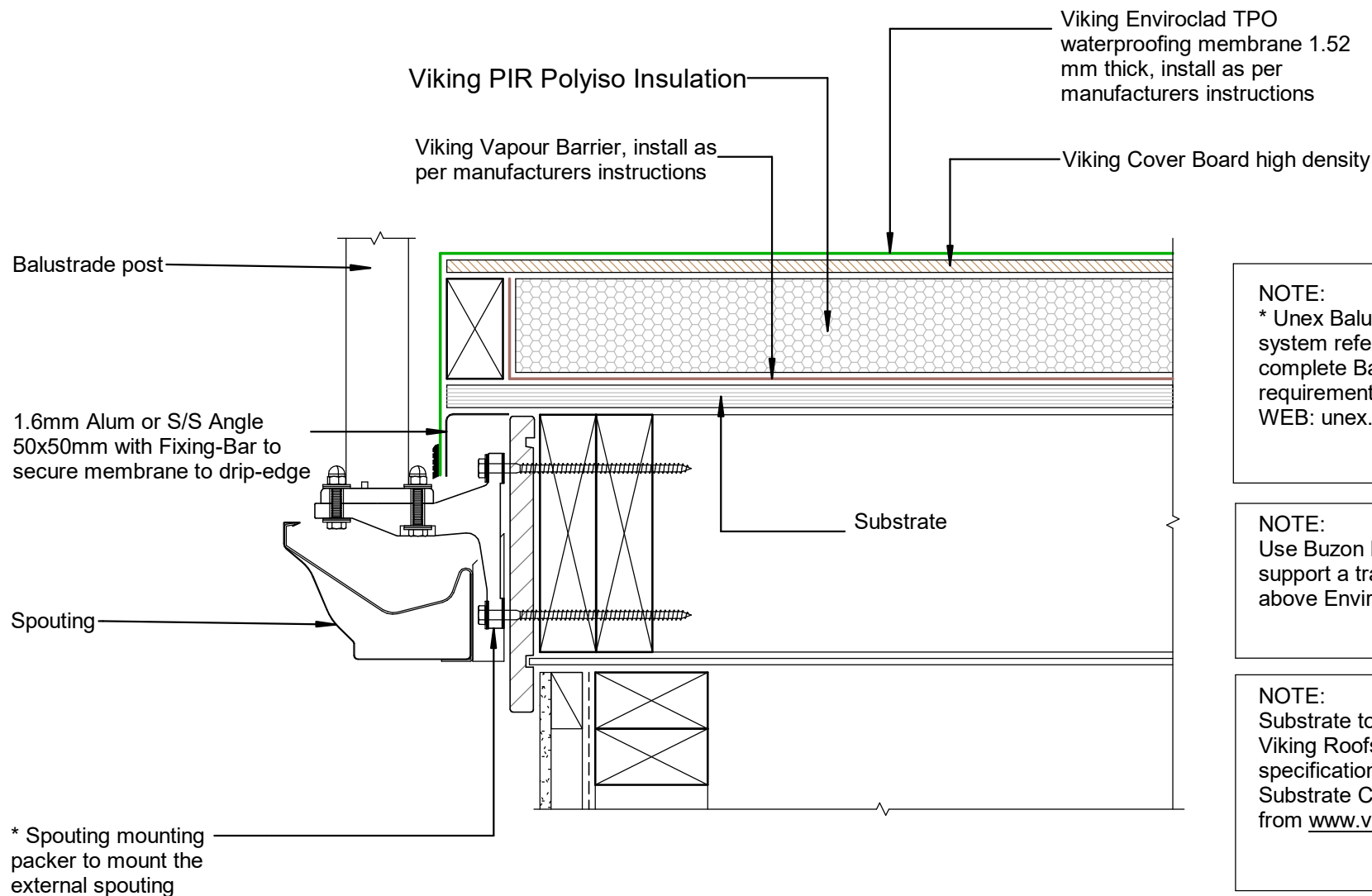
WarmRoof System is Branz Appraised - 713

DRAWING

### INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WRE_100_DECKBALU		





**NOTE:**

\* Unex Balustrade bracket and system refer to Unex Systems for complete Balustrade detail requirements Ph 0800 333 777 WEB: [unex.co.nz](http://unex.co.nz)

**NOTE:**

Use Buzon Pedestal System to support a trafficable floating deck above Enviroclad Membrane

**NOTE:**

Substrate to comply with current Viking Roofspec Masterspec specification Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

**DRAWING TITLE**

Viking WarmRoof - Enviroclad  
Deck\_Balustrade to External Spouting

**NOTES:**

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

WarmRoof System is Branz  
Appraised - 713

**DRAWING**

**INFORMATION ONLY**

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_101_DECKBALU</b>			

**NOTE:**

TPO Weldable Rib to be Welded directly to Enviroclad TPO membrane, with no penetrations. Ribs can be placed at any point along the roof as long as they don't inhibit watershed

**NOTE:**

Substrate to comply with current Viking Roofspec Masterspec specification  
Substrate Checksheet available from [www.vikingroofspec.co.nz](http://www.vikingroofspec.co.nz)

Viking Enviroclad TPO waterproofing membrane 1.52 mm thick, install as per manufacturers instructions

Viking Enviroclad TPO Weldable Rib Colour Specified

Heat welded

53 mm

31 mm

Viking PIR Polyiso Insulation

Viking Vapour Barrier, install as per manufacturers instructions

Substrate

DRAWING TITLE

Viking WarmRoof - Enviroclad  
Accessories\_Enviroclad TPO Weldable Rib

NOTES:

- \* Angle fillets are not required at upstands for Enviroclad
- \* All fixings, cladding and structure are indicative only unless noted
- \* All details to be read in conjunction with Viking Specifications

WarmRoof System is Branz  
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: <b>VIK_WRE_120_ACCTPOWR</b>			