

Sheet List

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VIK_WSE_002_PENEBALC	Penetration_Balcony Drain 80mm
VIK_WSE_003_PENESUMP	Penetration_Sump Outlet with Overflow
VIK_WSE_004_PENEPLIN	Penetration_Plinth direction to divert watershed
VIK_WSE_004A_PENECRIK	Penetration_Cricket Diverter for watershed
VIK_WSE_005_VERTPIPE	Penetration_Vertical pipe
VIK_WSE_005A_HORIPPE	Penetration_Horizontal pipe
VIK_WSE_006_VERTDUCT	Penetration_Vertical ducting pipe
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VIK_WSE_008_SKYLACCH	Penetration_Skylight or Roof Access hatch
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VIK_WSE_010_PENETPO	Penetration_TPO Pourable pocket and sealant
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VIK_WSE_030_VERGBARG	Verge_Barge
VIK_WSE_031_VERGBARG	Verge_Barge with Low Profile AFS
VIK_WSE_031A_VERGBARG	Verge_Barge with Low Profile AFS in ISOMETRIC
VIK_WSE_032_VERGDRIPE	Verge_Drip edge to External Spouting
VIK_WSE_033_VERGEDGE	Verge_edge with wall continuing, Diverter for cladding
VIK_WSE_033A_VERGEDGE	Verge_edge with wall returning, Diverter for cladding
VIK_WSE_040_PARACAP	Parapet_with Cap concrete wall
VIK_WSE_040A_PARAWALL	Parapet_Timber wall ISO
VIK_WSE_041_PARASCUP	Parapet_with scupper outlet
VIK_WSE_042_PARAOVER	Parapet_with overflow
VIK_WSE_050_GUTTOUTL	Internal Gutter_with outlet
VIK_WSE_051_GUTTWALL	Internal Gutter_to Wall
VIK_WSE_052_GUTTWALL	Internal Gutter_with outlet / overflow
VIK_WSE_060_INTSECRN	Intersection_External corner
VIK_WSE_061_INTSICNR	Intersection_Internal corner
VIK_WSE_062_INTSSUBS	Intersection_Substrate Expansion

Sheet List

Sheet Number	Sheet Name
VIK_WSE_062A_INTSSUBS	Intersection_Substrate Expansion to Concrete
VIK_WSE_063_INTSSEIS	Intersection_Seismic Gap Generic
VIK_WSE_064_INTSRIDG	Intersection_Ridge / Hip
VIK_WSE_065_INTSVALL	Intersection_Valley
VIK_WSE_066_INTSSHEL	Intersection_Sheet Lap
VIK_WSE_067_INTSSHTT	Intersection_Sheet T-Joint
VIK_WSE_068_INTSLAPT	Intersection_Lap Transition
VIK_WSE_070_RJUNUPST	Roof Junction_Upstand to Pitched Roofing
VIK_WSE_072_RJUNGUTI	Roof Junction_Metal Roof to Internal Gutter
VIK_WSE_073_RJUNMANV	Roof Junction_Mansard Verge
VIK_WSE_074_RJUNDORM	Roof Junction_Dormer ISO
VIK_WSE_074A_RJUNDORM	Roof Junction_Dormer Gutter
VIK_WSE_080_APRNUPST	Apron_Upstand behind cladding
VIK_WSE_080A_APRNURAB	Apron_Upstand to RAB behind cladding
VIK_WSE_081_APRNUTER	Apron_Upstand terminations without cladding
VIK_WSE_091_WINDTHRS	Threshold_Window
VIK_WSE_120_ACCTPOWR	Accessories_Enviroclad TPO Weldable Rib



Viking WarmSpan - Enviroclad Viking Roofspect Details Schedule

DRAWING TITLE

NOTES:

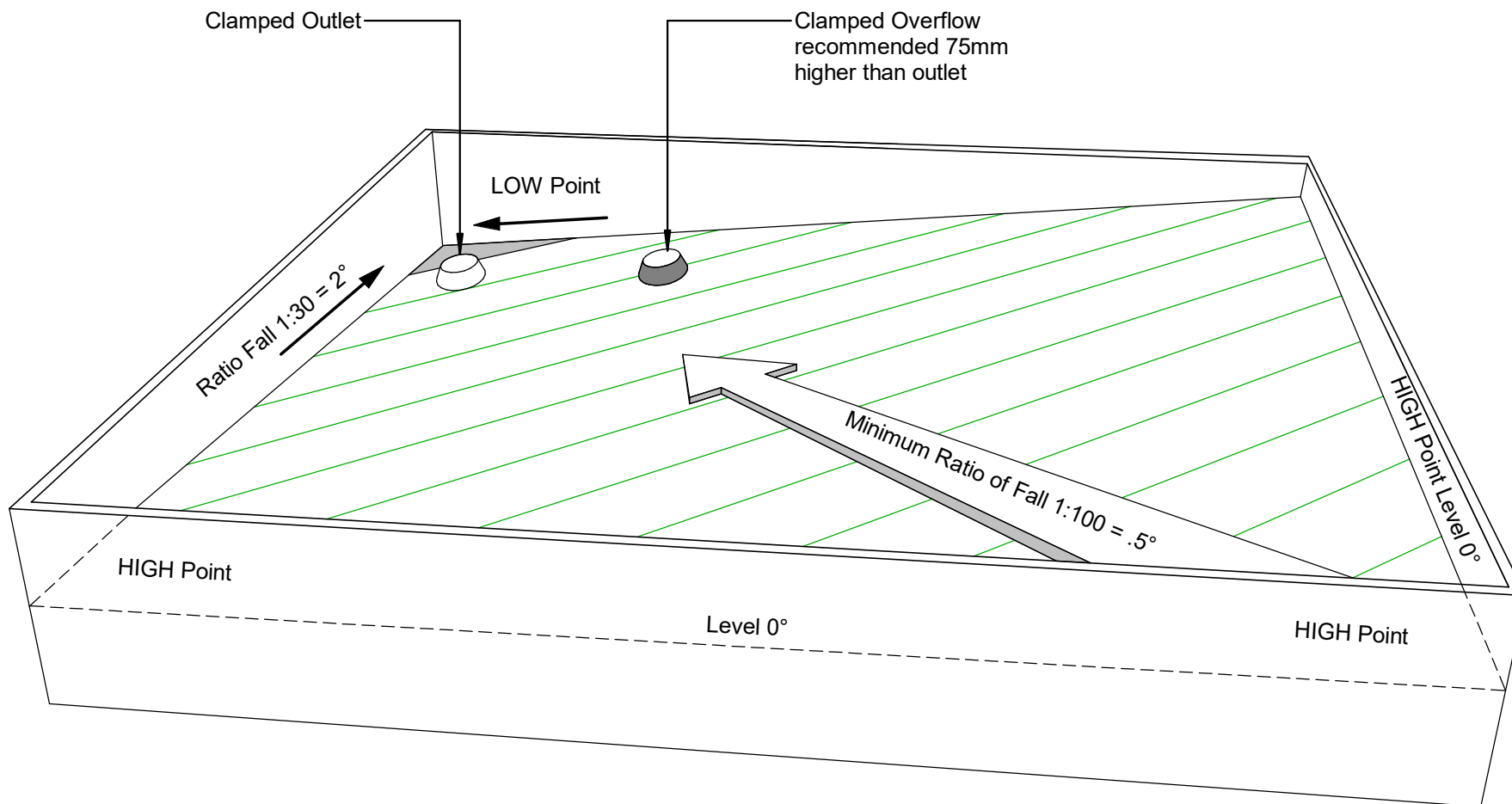
* Angle fillets are not required at upstands for Enviroclad
 * All fixings, cladding and structure are indicative only unless notated
 * All details to be read in conjunction with Viking Specifications

WarmSpan System is Branz Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WSE_000_INDEX001		



NOTE: For low risk design, Viking Roofs spec 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 WarmSpan - Enviroclad
Best practice design in Membrane Roofing

NOTES:

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WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

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

VIK_WSE_000_NOTES001

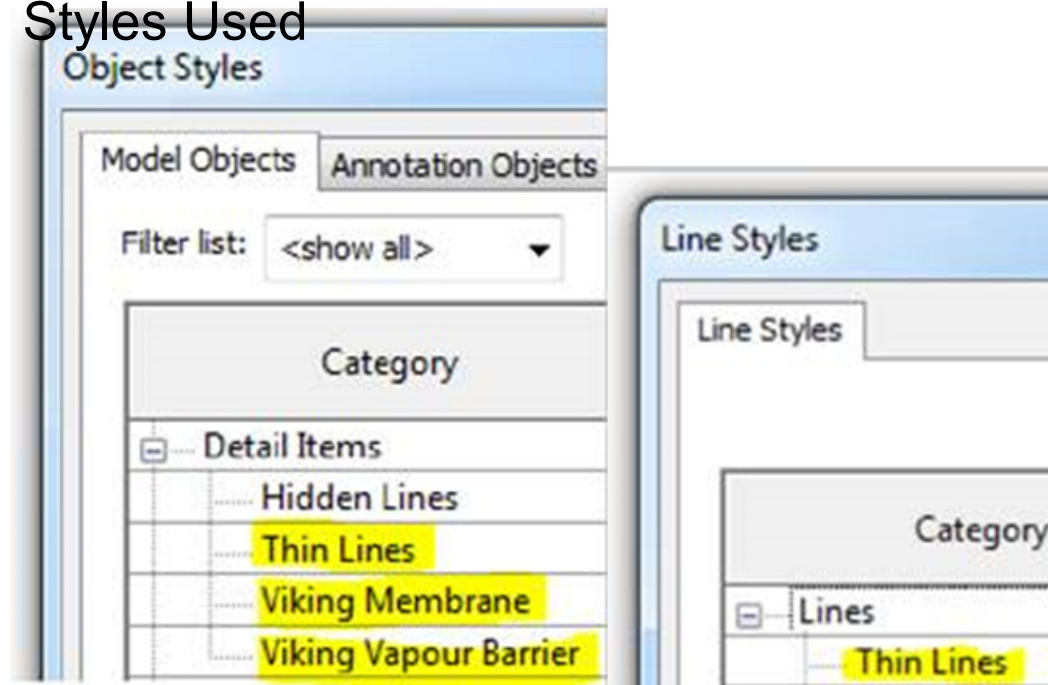
Viking Details - Revit

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



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

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

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

Viking PIR Polyiso
Insulation

Substate

Viking Vapour Barrier, install as
per manufacturers instructions

Flange width 230mm
(280mm for 150mm outlet)

NOTE:

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

NOTE:

Substrate to comply with current Viking Roofspec
Masterspec specification
Substrate Checksheet available from
www.vikingroofspec.co.nz

Viking
Roofspec
Taking care of detail

**Viking WarmSpan - Enviroclad
Penetration_Outlet and Overflow**

DRAWING TITLE

NOTES:

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

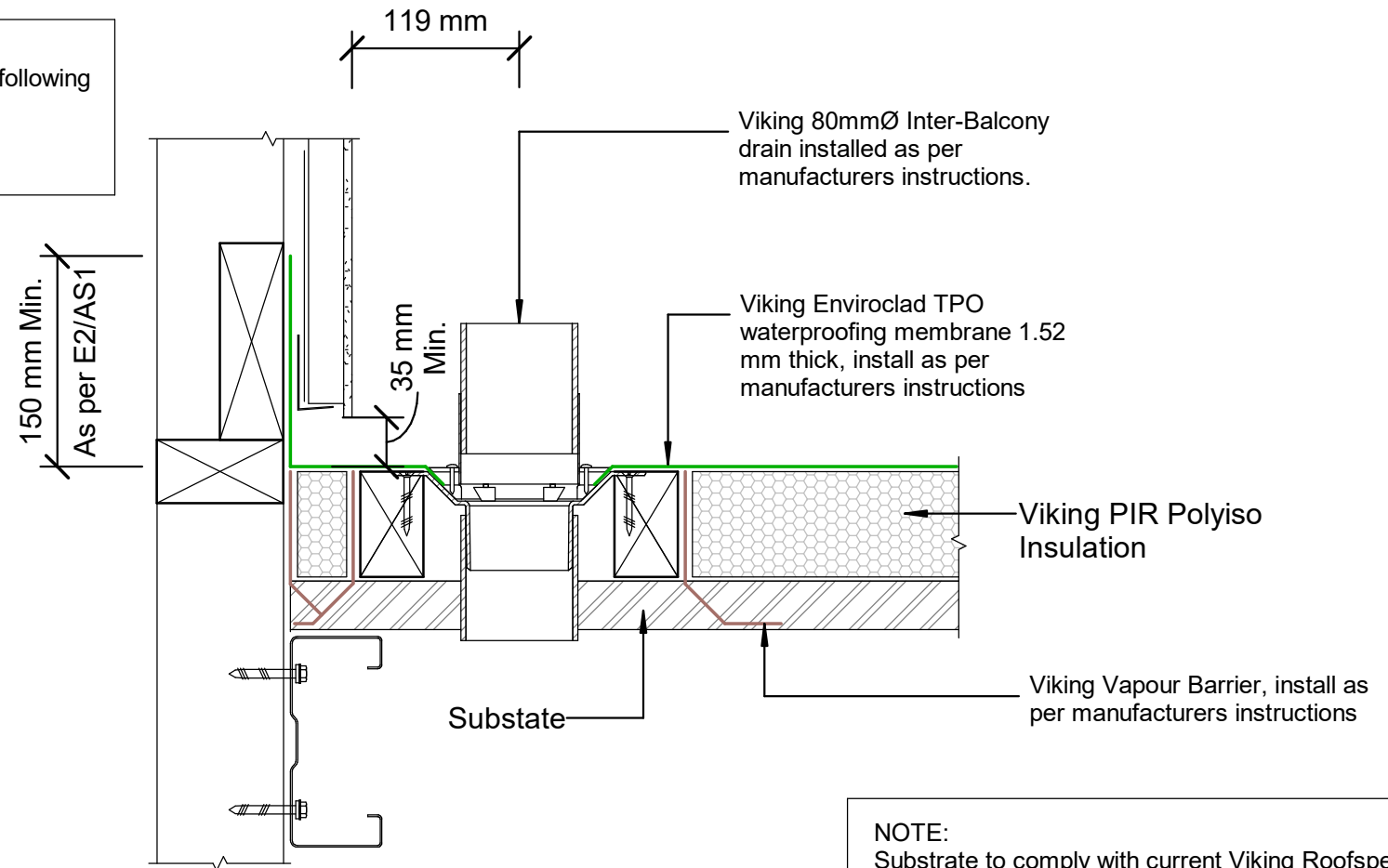
WarmSpan System is Branz
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INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_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 Roofspec Masterspec specification
Substrate Checksheet available from www.vikingroofspec.co.nz

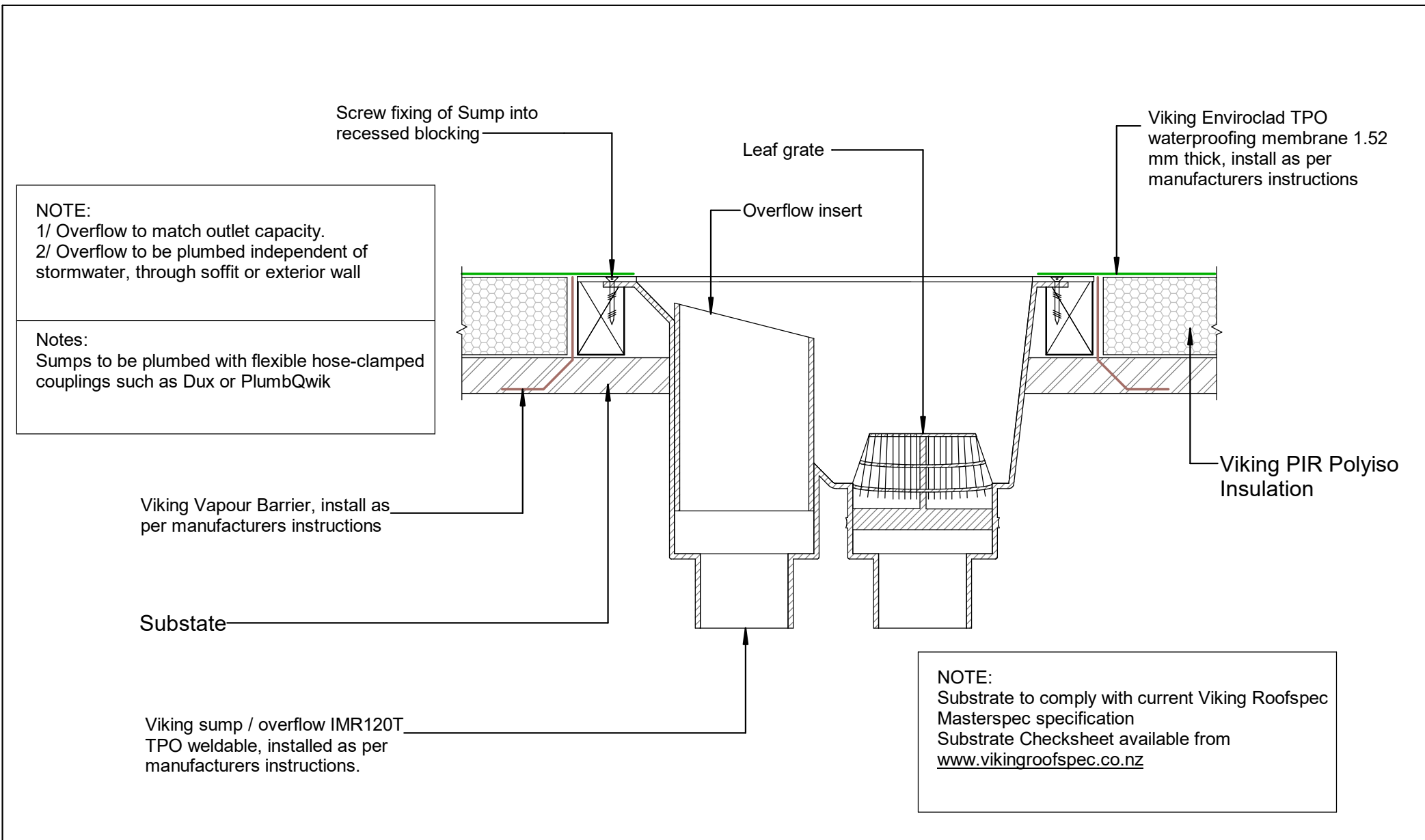
NOTES:


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

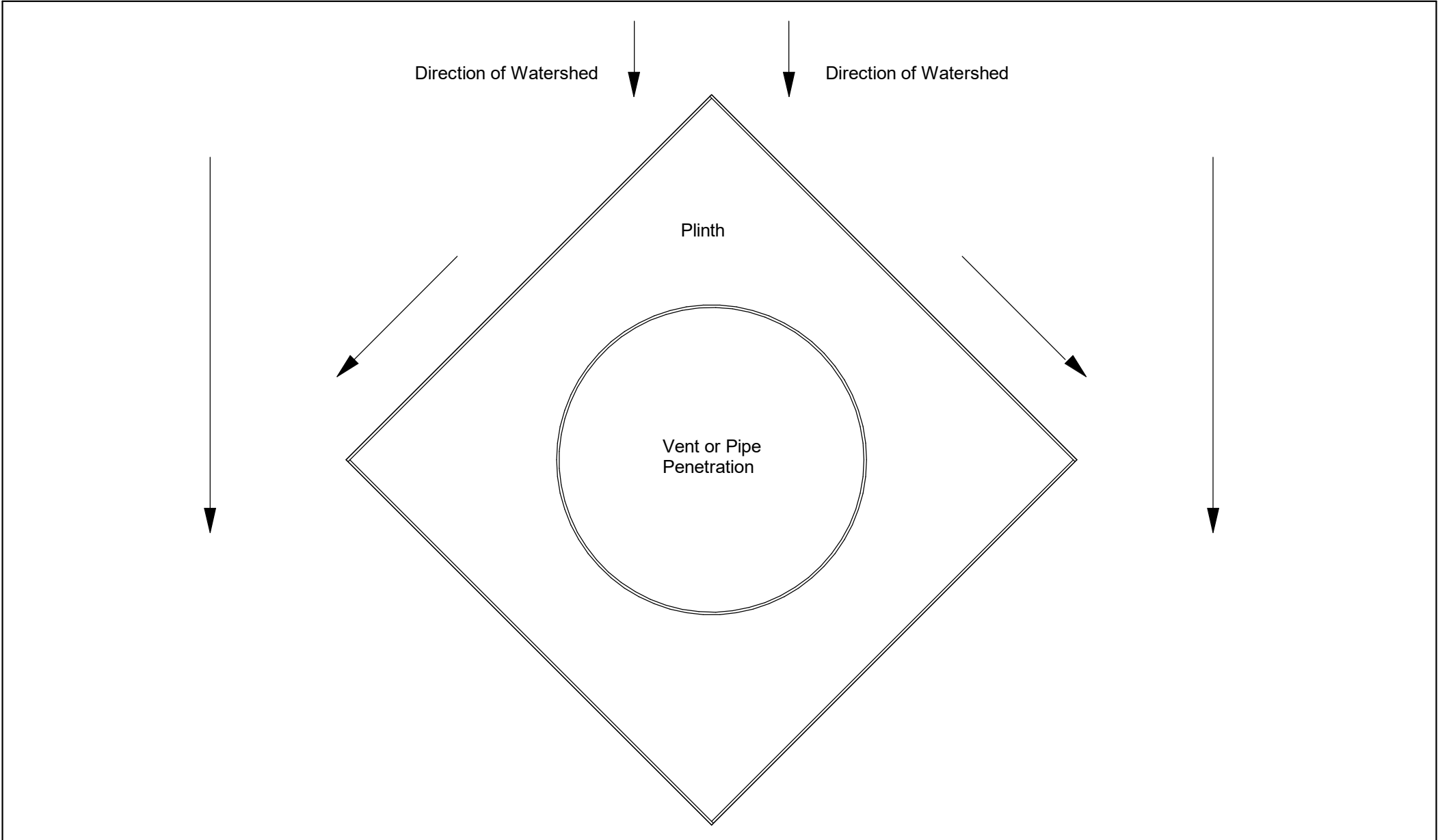
DRAWING

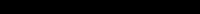
INFORMATION ONLY

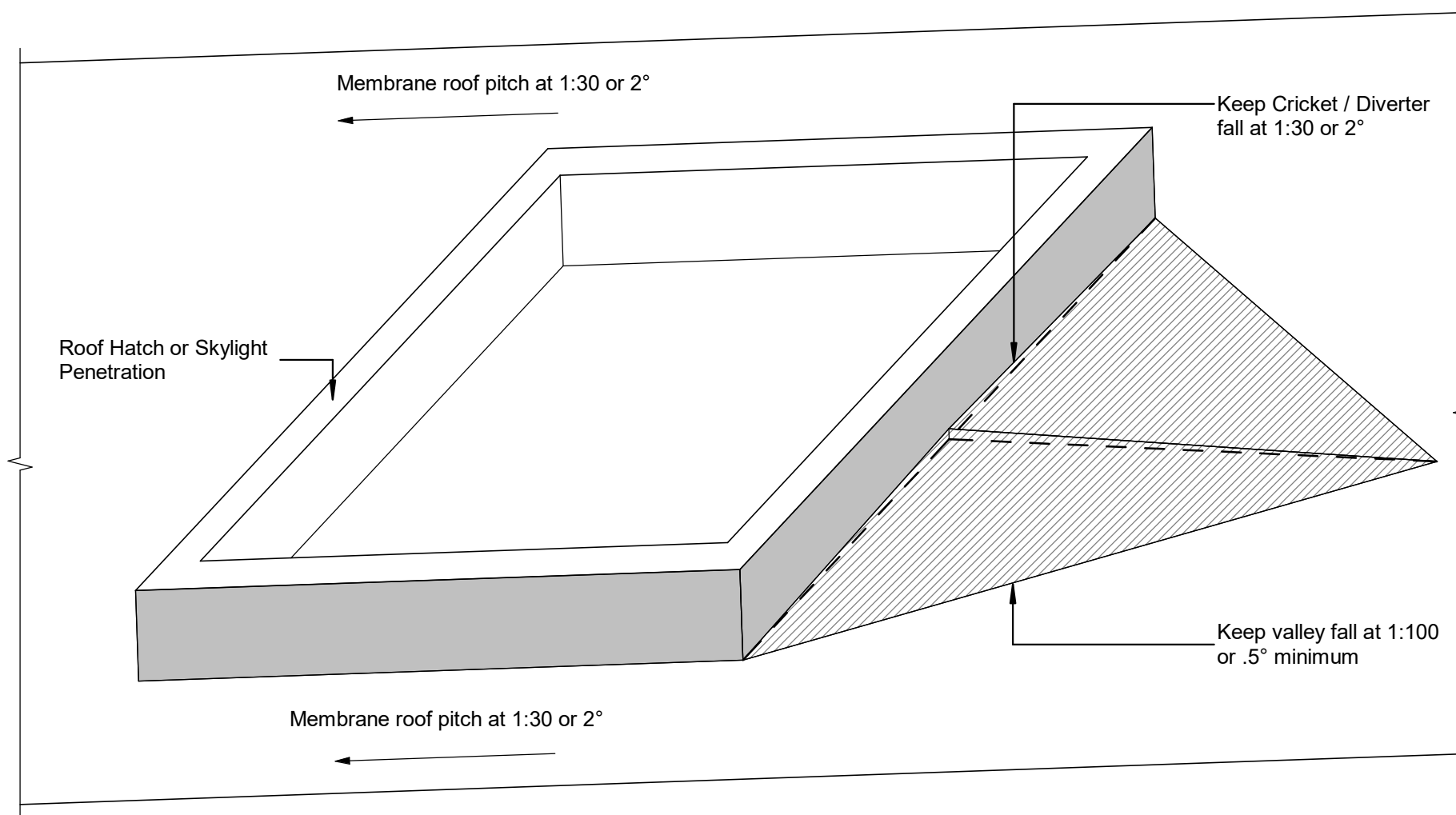
Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WSE_002_PENEBALC		



 <i>Taking care of detail</i>	DRAWING TITLE	NOTES:	WarmSpan System is Branz Appraised - 713	DRAWING INFORMATION ONLY			
	Viking WarmSpan - Enviroclad Penetration_Sump Outlet with Overflow	* Angle fillets are not required at upstands for Enviroclad * All fixings, cladding and structure are indicative only unless notated * All details to be read in conjunction with Viking Specifications		Scale: Date: Drawn: Viking			
				Not to Scale 01/03/2022			
				Detail Ref: VIK_WSE_003_PENESUMP			



 <i>Taking care of detail</i>	DRAWING TITLE	NOTES:	WarmSpan System is Branz Appraised - 713	DRAWING INFORMATION ONLY			
	Viking WarmSpan - Enviroclad Penetration_Plinth direction to divert watershed	<ul style="list-style-type: none">* Angle fillets are not required at upstands for Enviroclad* All fixings, cladding and structure are indicative only unless notated* All details to be read in conjunction with Viking Specifications		Scale:	Date:	Drawn:	Viking
				Not to Scale	01/03/2022		
				Detail Ref: VIK_WSE_004_PENEPLIN			



DRAWING TITLE

Viking WarmSpan - Enviroclad Penetration_Cricket Diverter for watershed

NOTES:

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WarmSpan System is Branz
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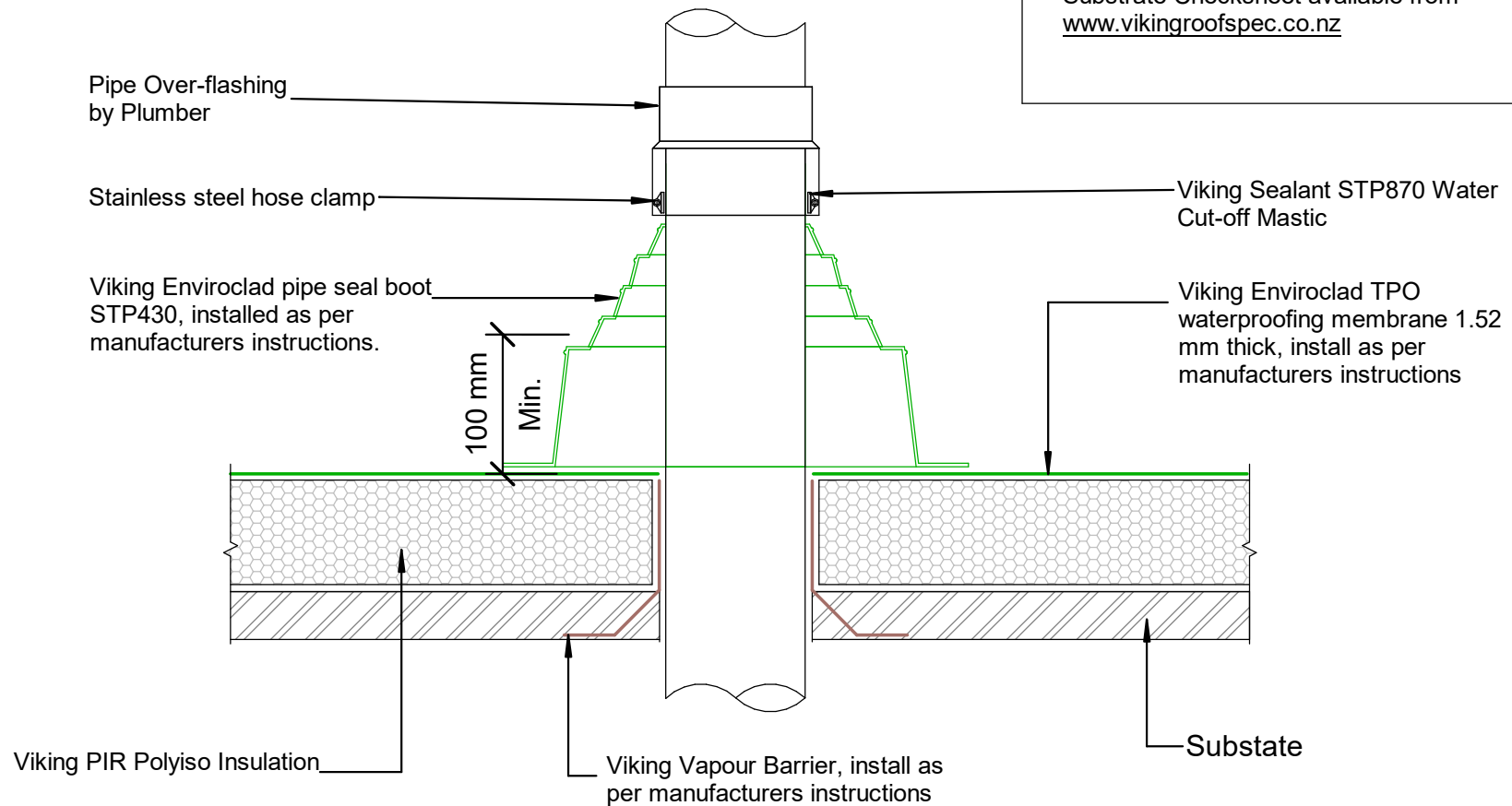
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INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_004A_PENECRIK			

NOTE:

Substrate to comply with current Viking Roofspec Masterspec specification
Substrate Checksheet available from
www.vikingroofspec.co.nz



NOTE:

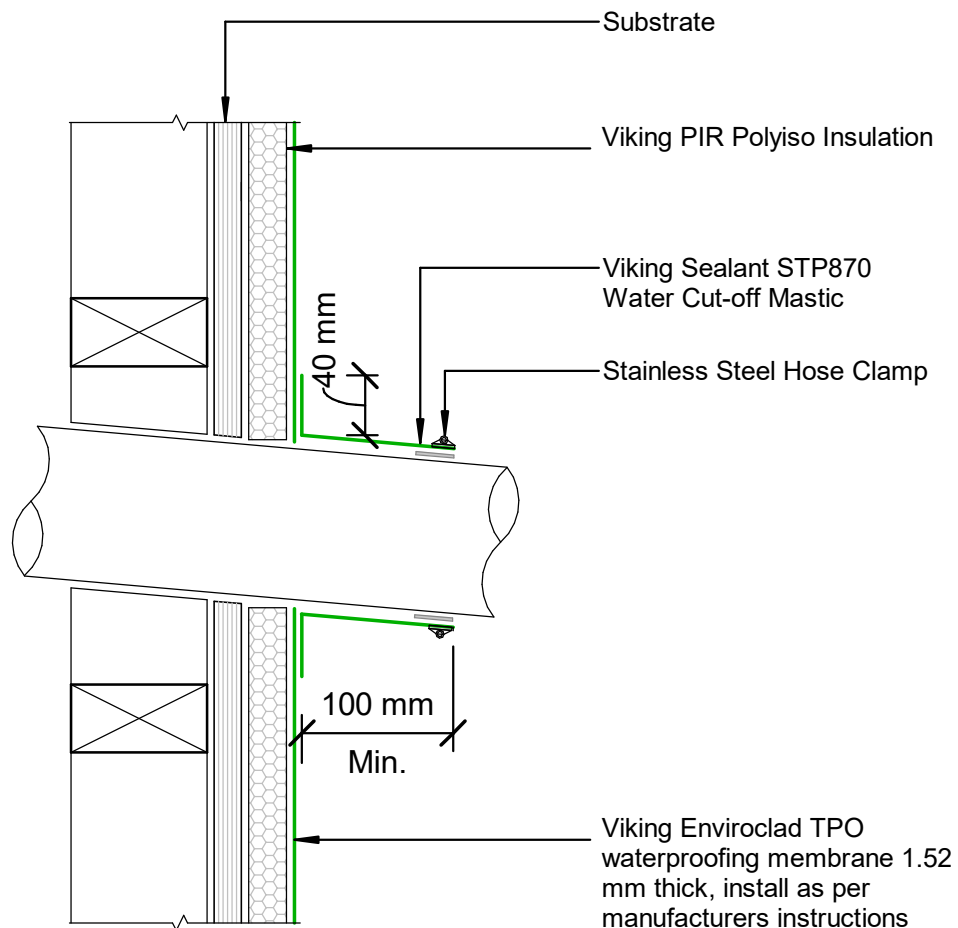
Substrate to comply with current Viking Roofspec Masterspec specification
Substrate Checksheet available from
www.vikingroofspec.co.nz

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 WarmSpan - Enviroclad
Penetration_Horizontal pipe

NOTES:

- * Angle fillets are not required at upstands for Enviroclad
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WarmSpan System is Branz
Appraised - 713

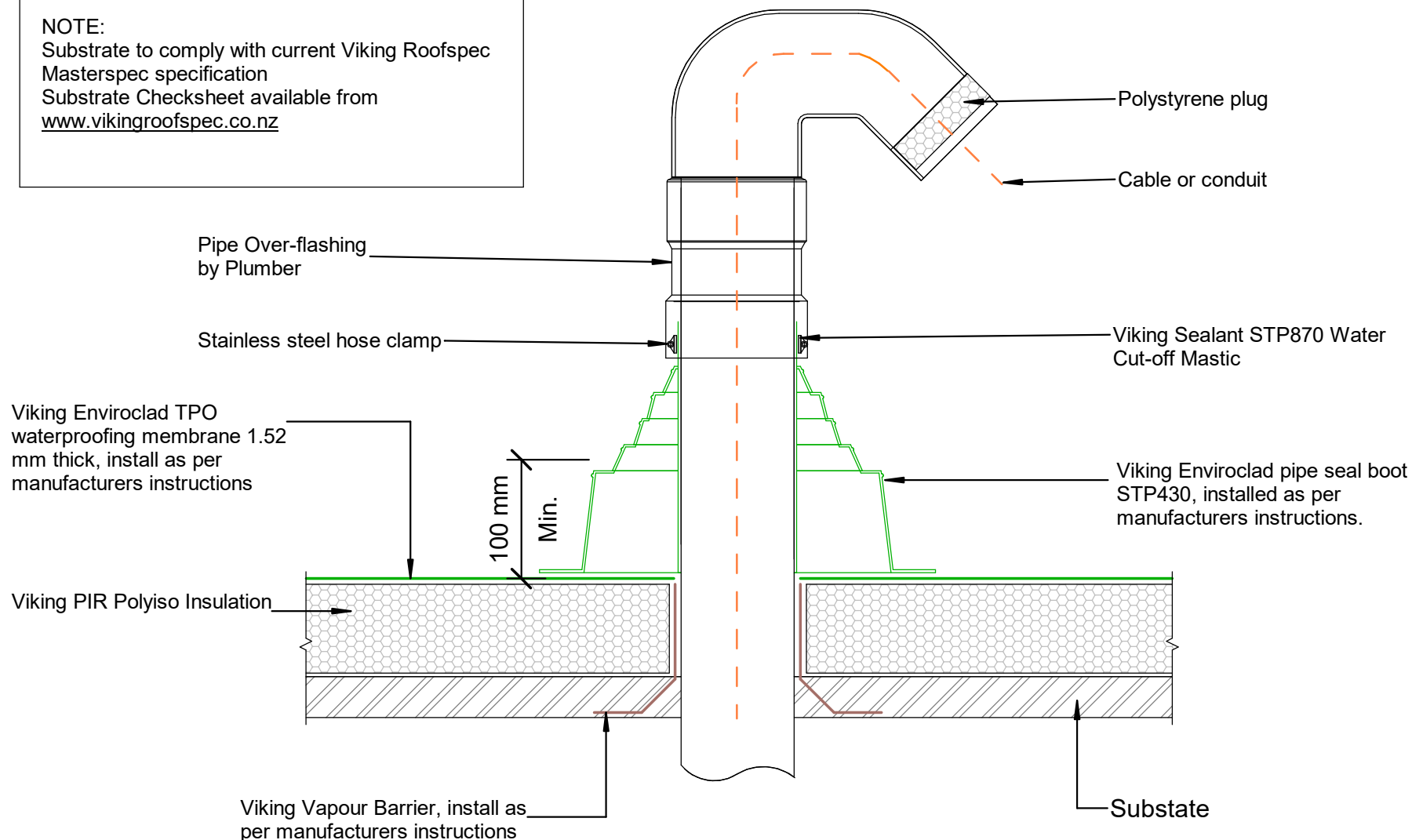
DRAWING

INFORMATION ONLY

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

VIK_WSE_005A_HORPIPE

NOTE:
 Substrate to comply with current Viking Roofspec
 Masterspec specification
 Substrate Checksheet available from
www.vikingroofspec.co.nz



NOTE:

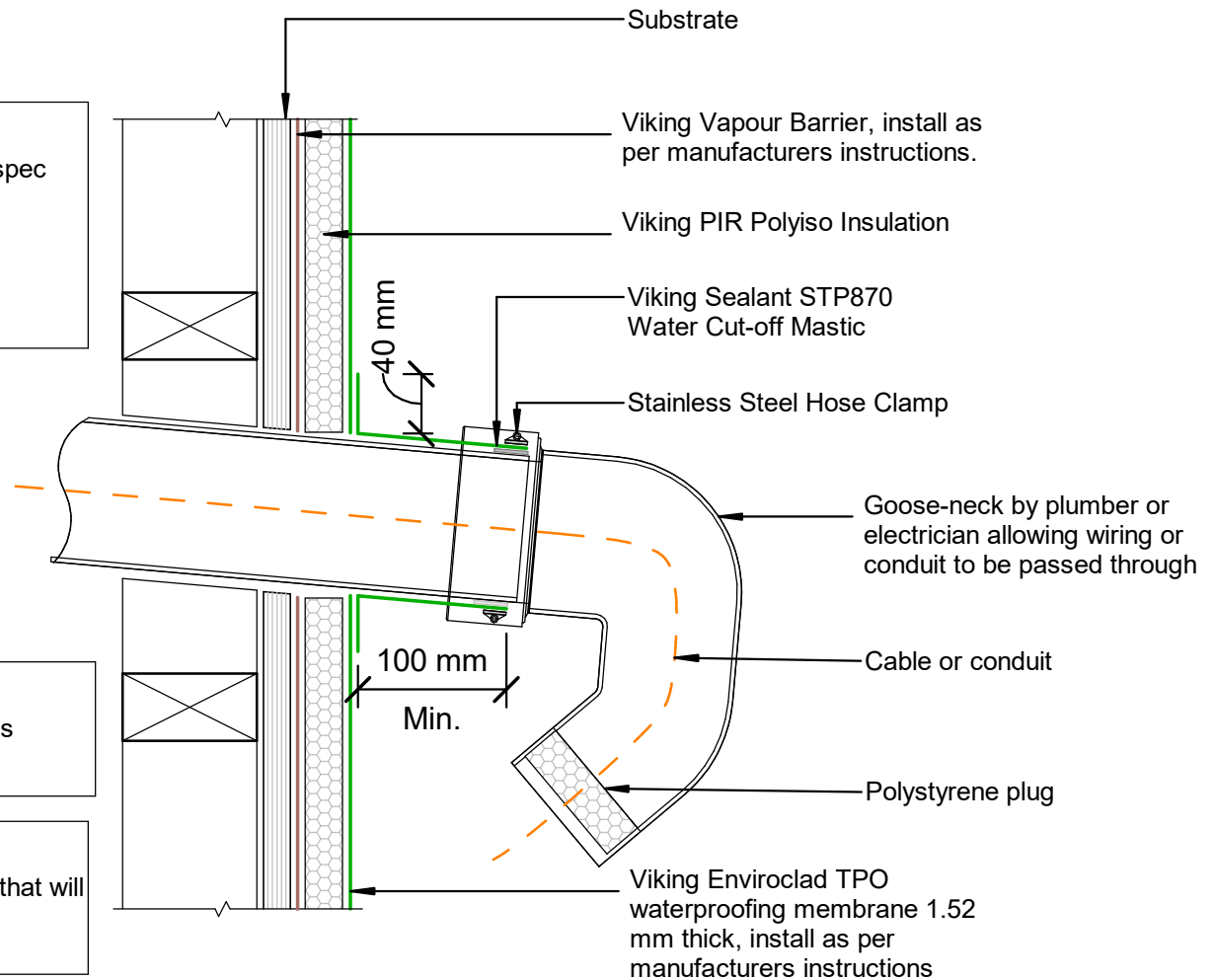
Substrate to comply with current Viking Roofspec Masterspec specification
Substrate Checksheet available from
www.vikingroofspec.co.nz

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



NOTES:

- * Angle fillets are not required at upstands for Enviroclad
- * All fixings, cladding and structure are indicative only unless notated
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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WSE_006A_HORIDUCT		

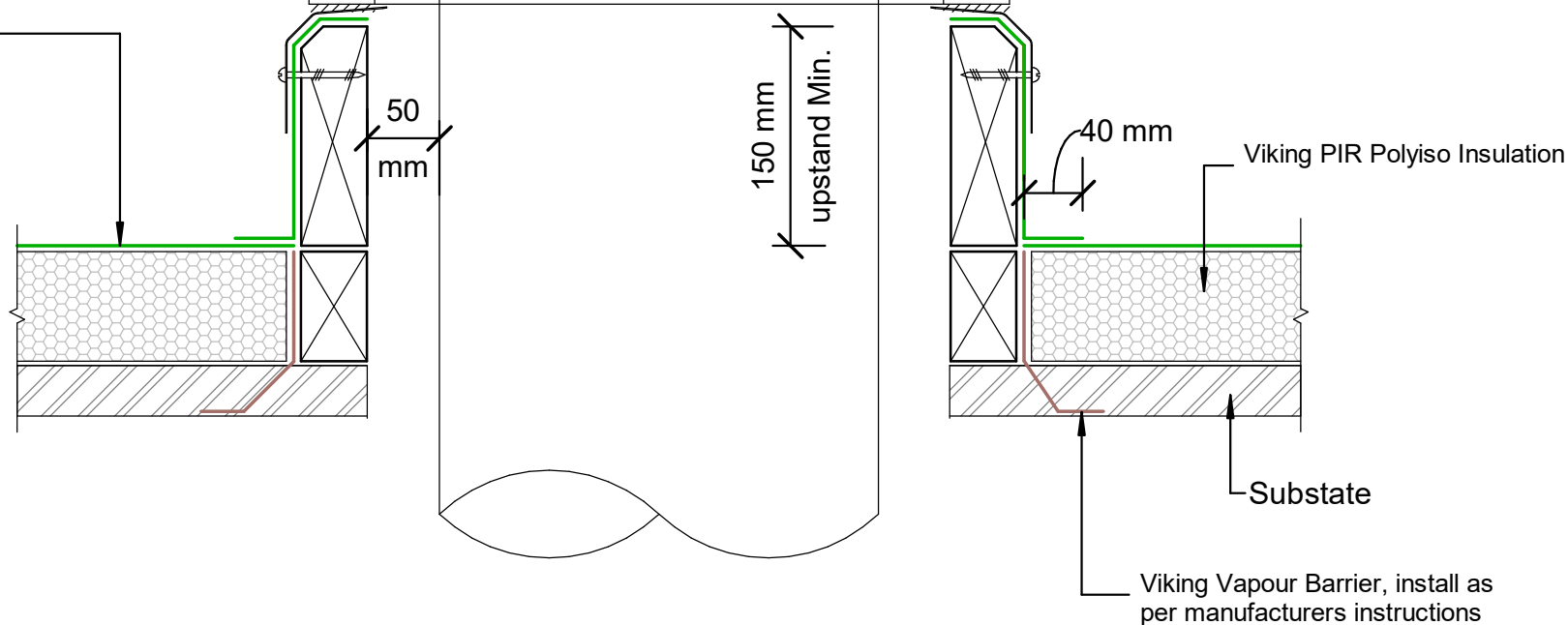
Dektite Aluminium Over Flashing
suitable for 115° Ref Dektite for
specific flashing

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

NOTE:
Substrate to comply with current
Viking Roofspec Masterspec
specification
Substrate Checksheet available
from www.vikingroofspec.co.nz

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

Flue and cover
flashing



NOTES:

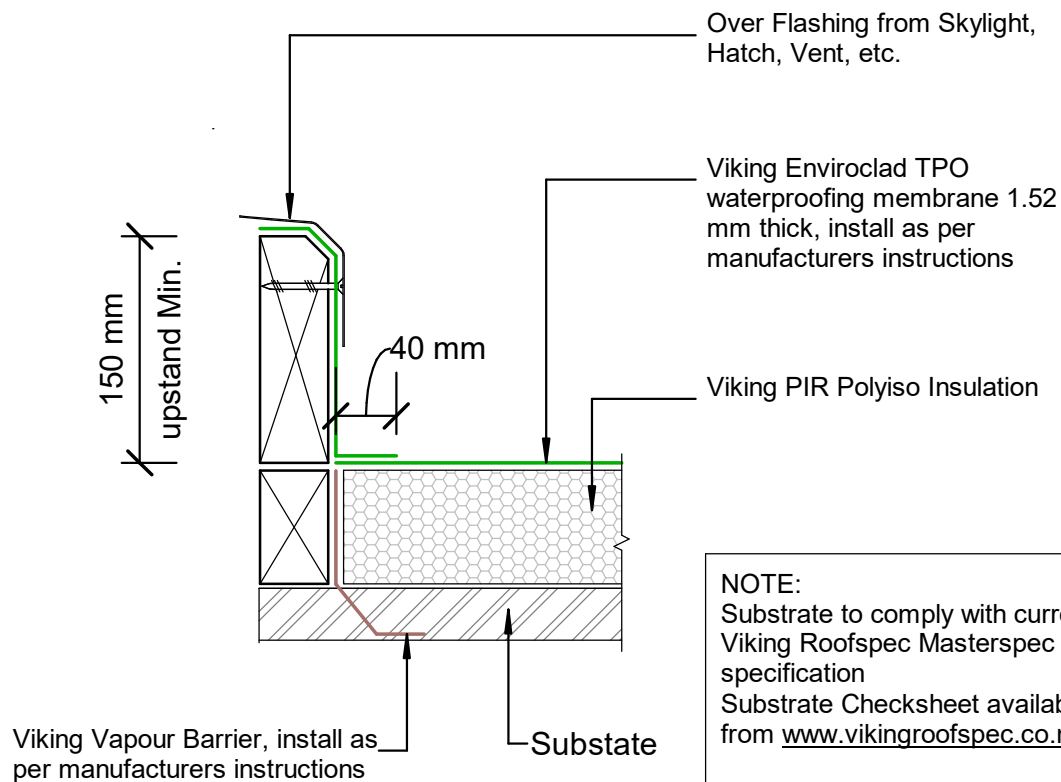
- * Angle fillets are not required at upstands for Enviroclad
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WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

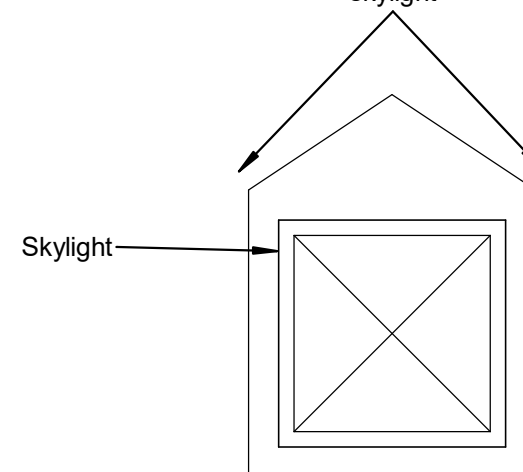
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Not to Scale	01/03/2022		
Detail Ref:	VIK_WSE_007_PENEFLUE		



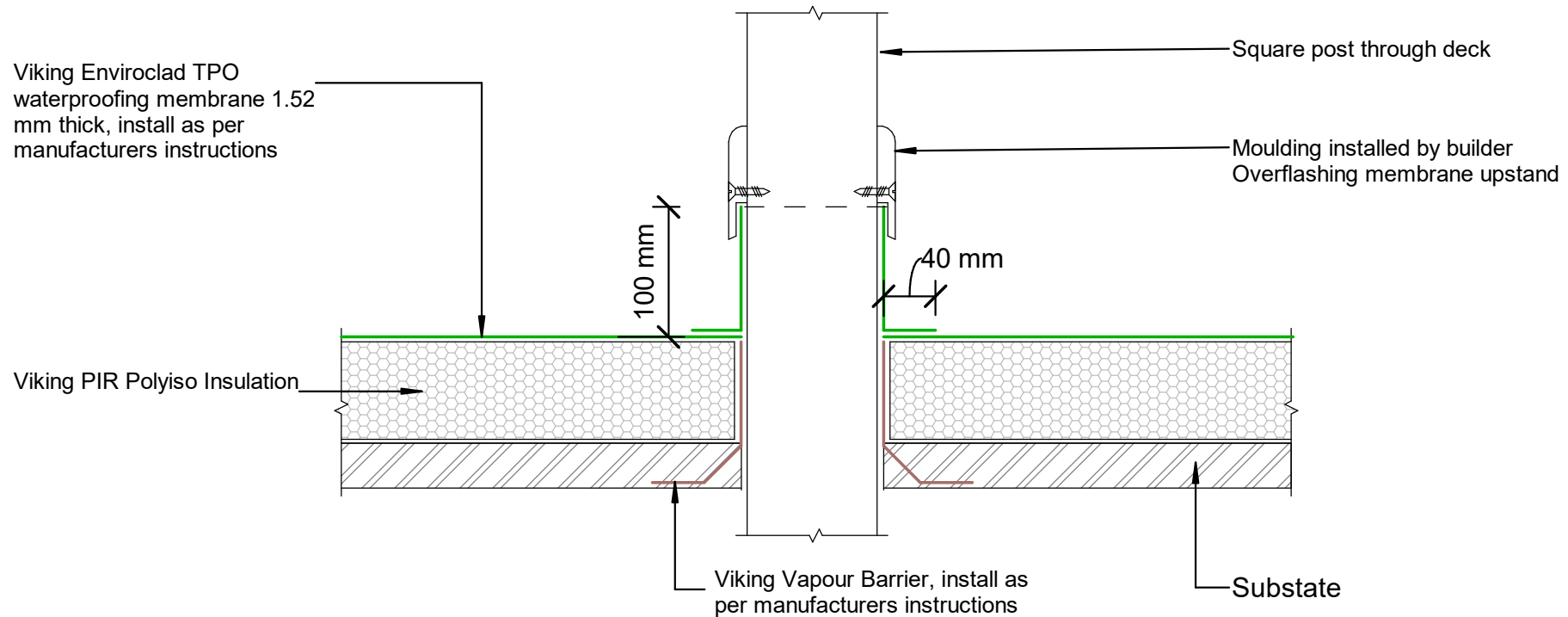
NOTE:
Substrate to comply with current
Viking Roofs spec Masterspec
specification
Substrate Checksheet available
from www.vikingroofs spec.co.nz

NOTE:
Refer WSE_004A

Divert watershed away from
skylight



NOTE:
 Substrate to comply with current Viking Roofspec Masterspec specification
 Substrate Checksheet available from www.vikingroofspec.co.nz



NOTES:

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

WarmSpan System is Branz
 Appraised - 713

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INFORMATION ONLY

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

VIK_WSE_009_POSTDECK

NOTE:

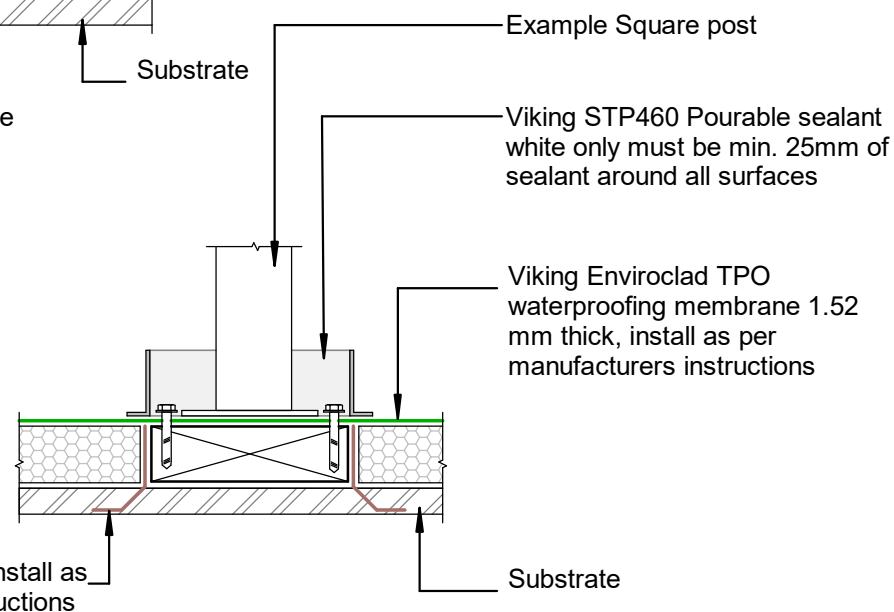
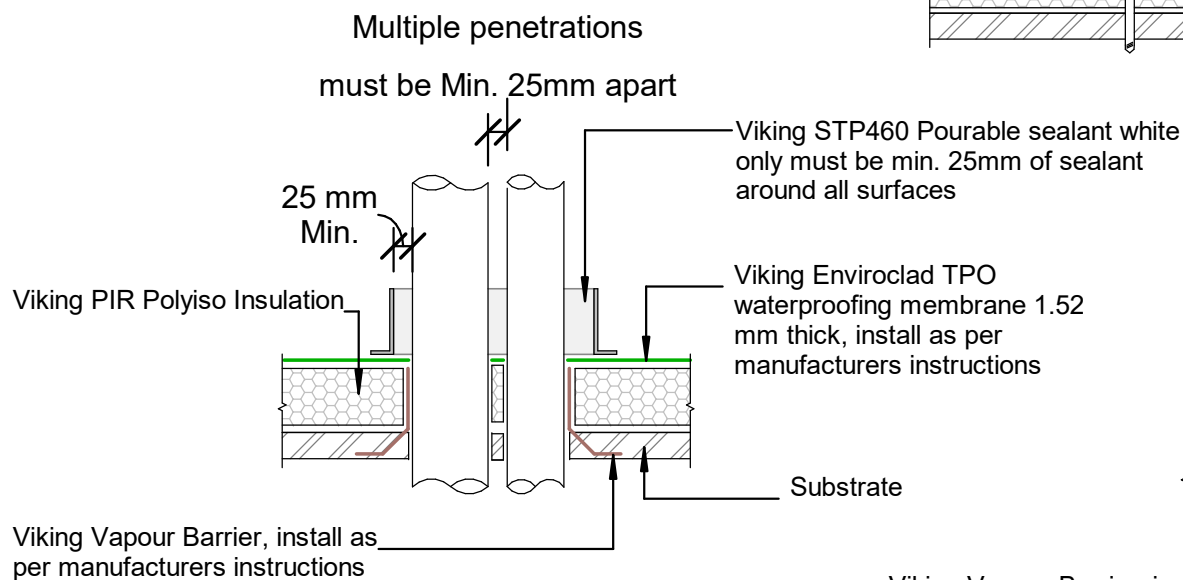
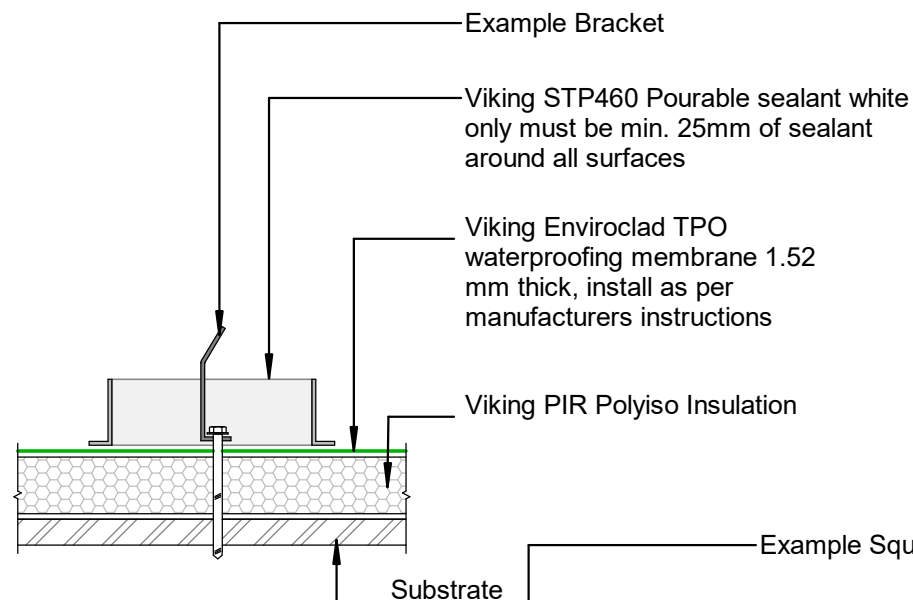
A Solution for very difficult shaped penetrations.

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



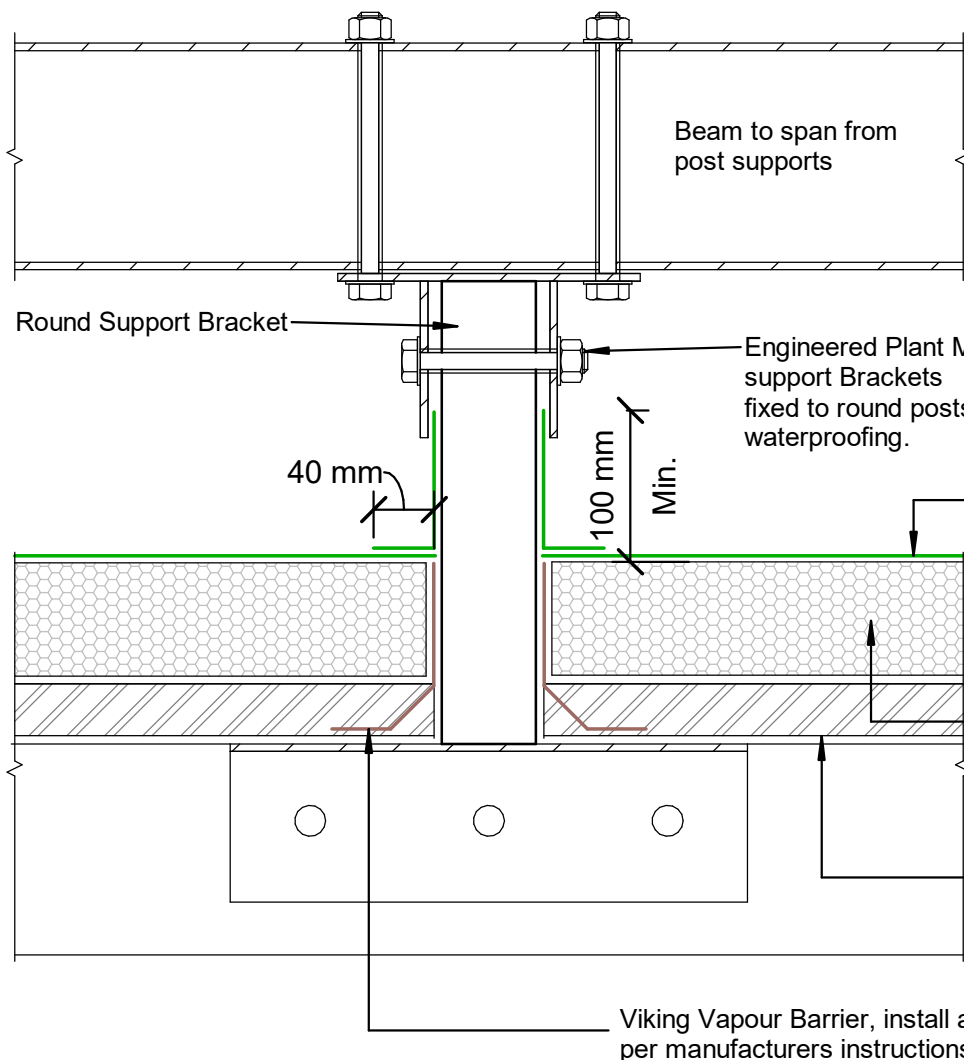
NOTES:

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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WSE_010_PENETPO		



Viking Polyiso Insulation sheet

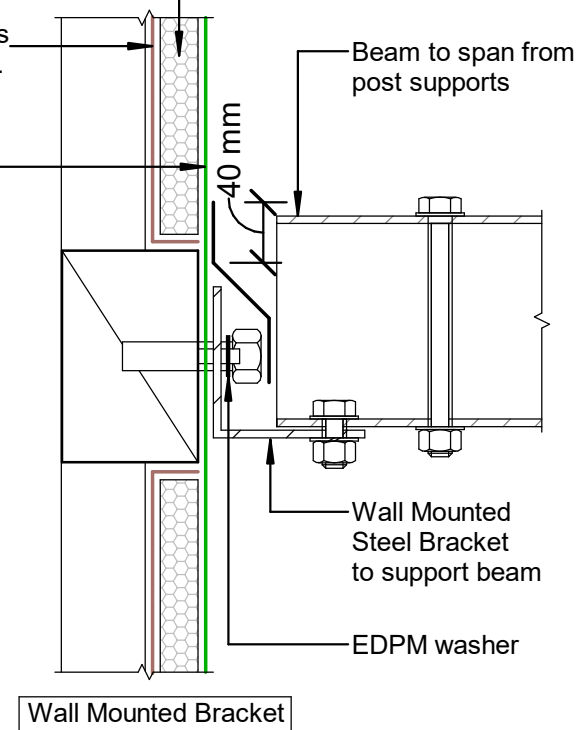
Viking Vapour Barrier, install as per manufacturers instructions.

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

Substrate



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

DRAWING TITLE

Viking WarmSpan - Enviroclad
Penetration_Post or Rail for Plant Room equipment

NOTES:

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WarmSpan System is Branz
Appraised - 713

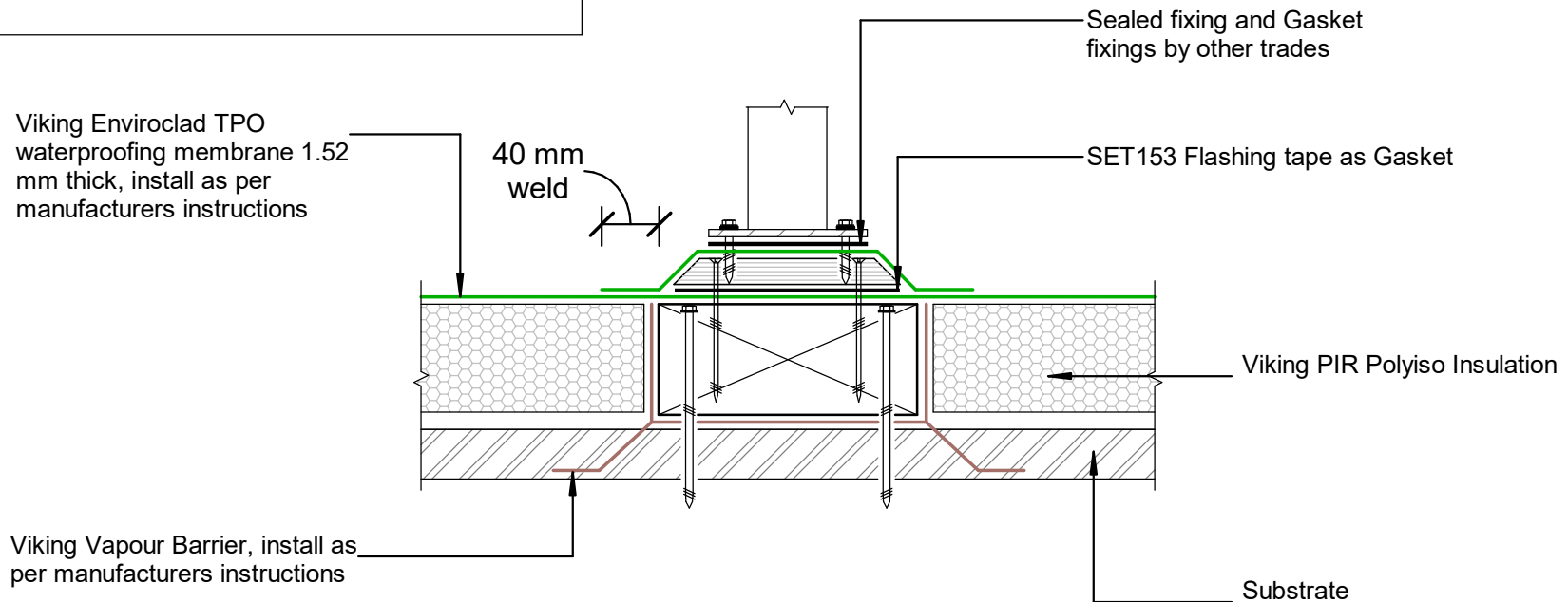
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_011_PENEPOST			

NOTE:

Substrate to comply with current Viking Roofs spec
Masterspec specification
Substrate Checksheet available from
www.vikingroofs spec.co.nz



DRAWING TITLE

Viking WarmSpan - Enviroclad
Penetration_Plinth base for Balustrade

NOTES:

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WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

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

VIK_WSE_012_PENEPLIN

NOTE:

Substrate to comply with current Viking
Roofspec Masterspec specification
Substrate Checksheet available from
www.vikingroofspec.co.nz

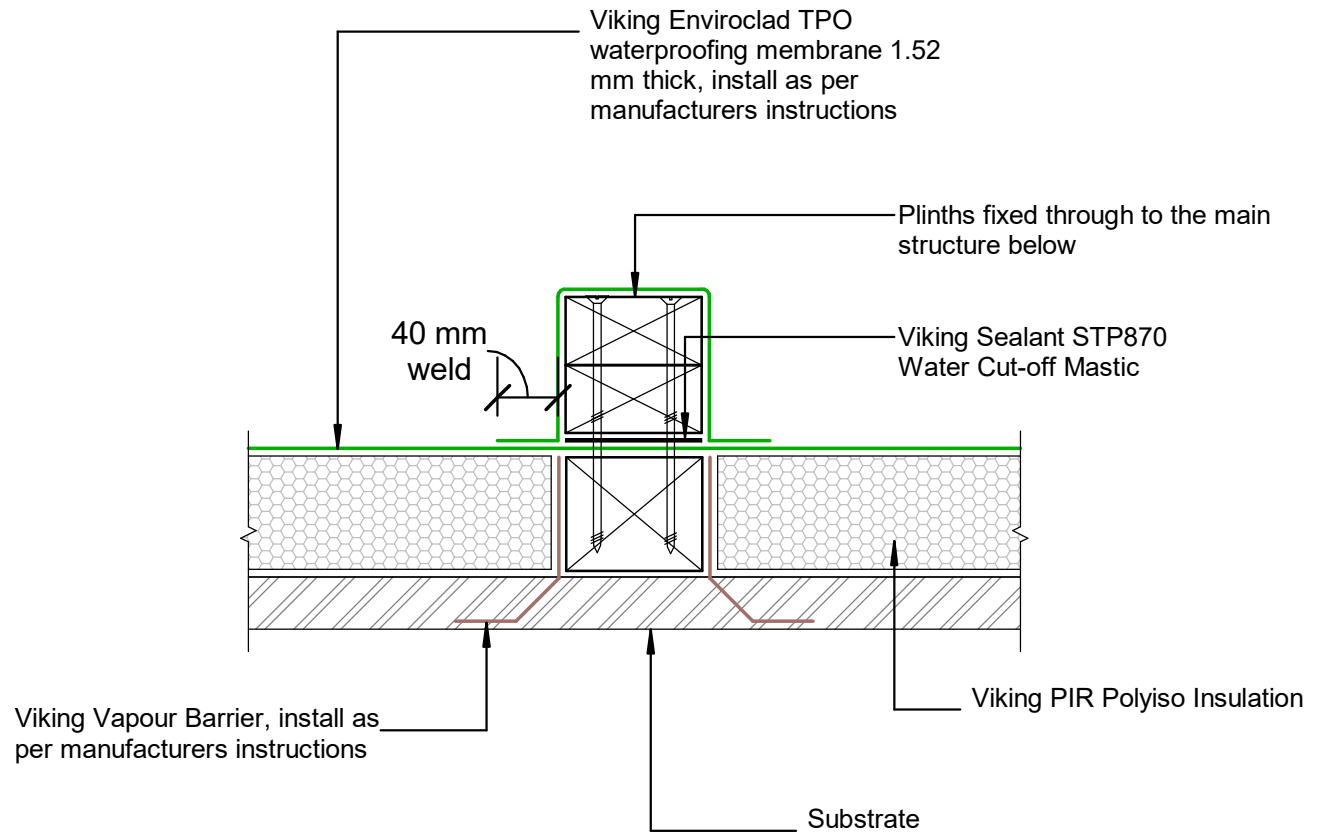
NOTE:

Consider Viking Detail WSE_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.



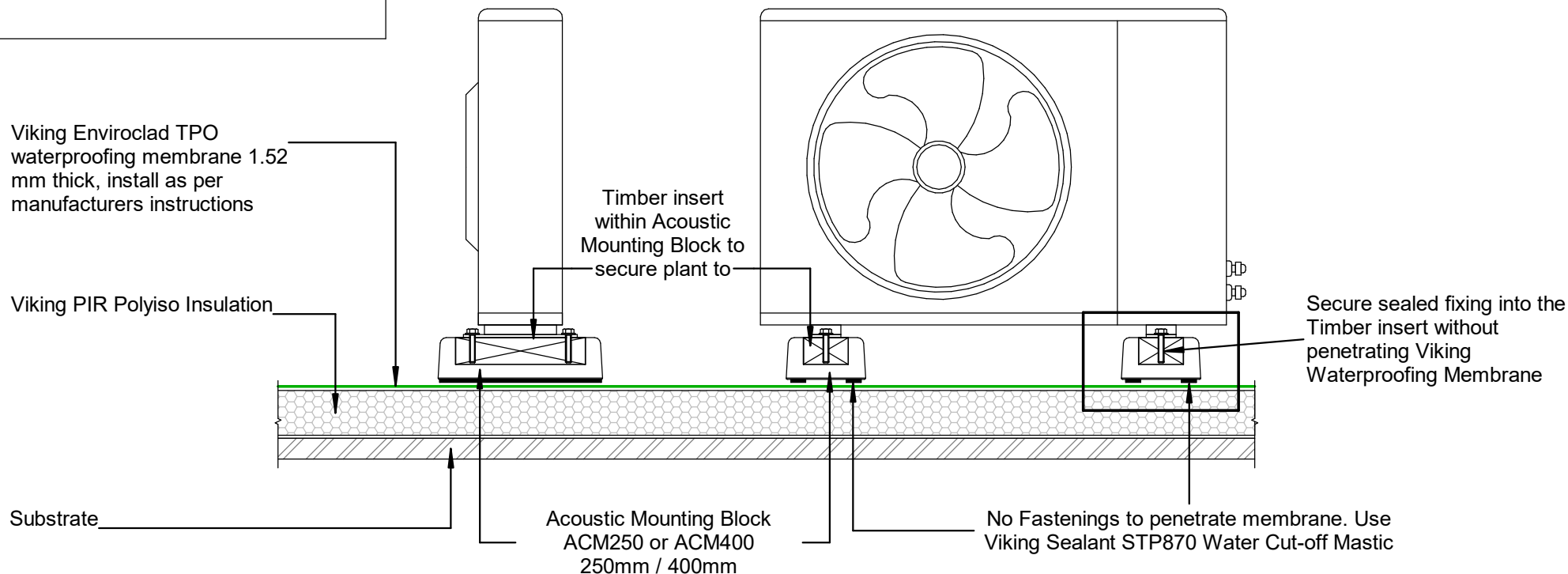
NOTES:

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- * 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



DRAWING TITLE

Viking WarmSpan - Enviroclad
 Penetration_Acoustic Mounting Block

NOTES:

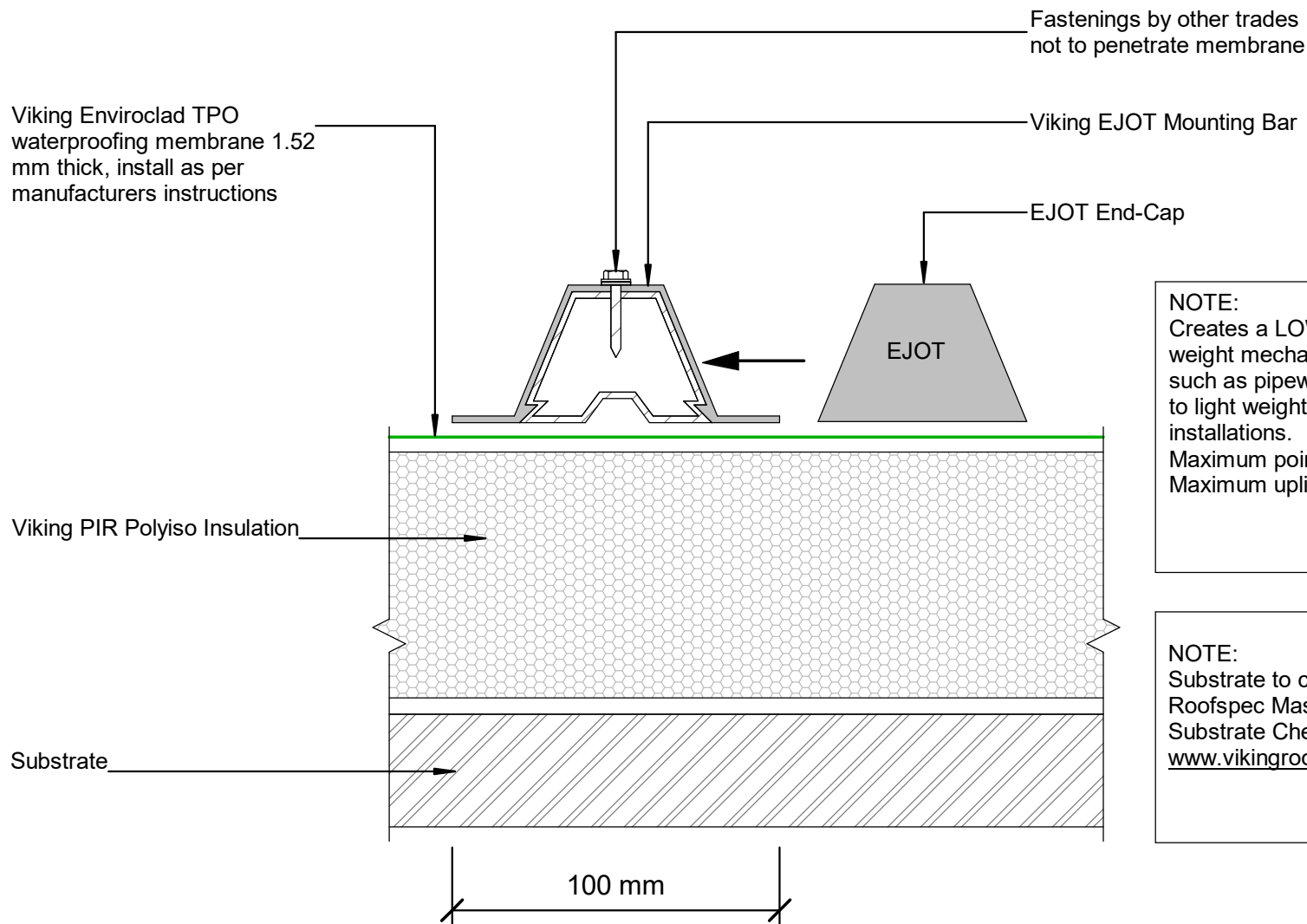
- * Angle fillets are not required at upstands for Enviroclad
- * All fixings, cladding and structure are indicative only unless notated
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WarmSpan System is Branz
 Appraised - 713

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Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_014_PENEACOU			



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

DRAWING TITLE

Viking WarmSpan - Enviroclad
Penetration_EJOT Plinth for Enviroclad

NOTES:

- * Angle fillets are not required at upstands for Enviroclad
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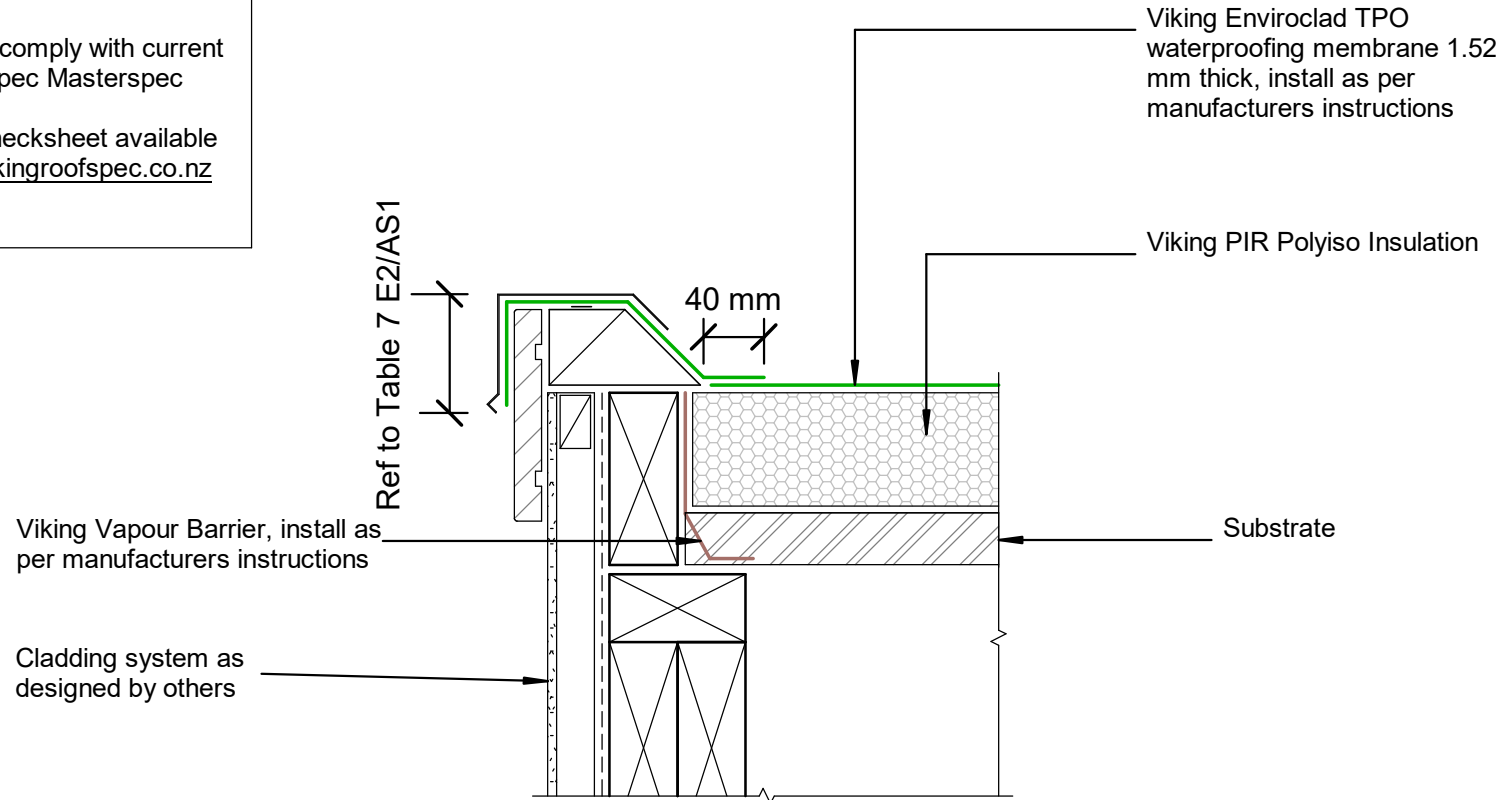
WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_015_PEENEJOT			

NOTE:
 Substrate to comply with current
 Viking Roofspec Masterspec
 specification
 Substrate Checksheets available
 from www.vikingroofspec.co.nz



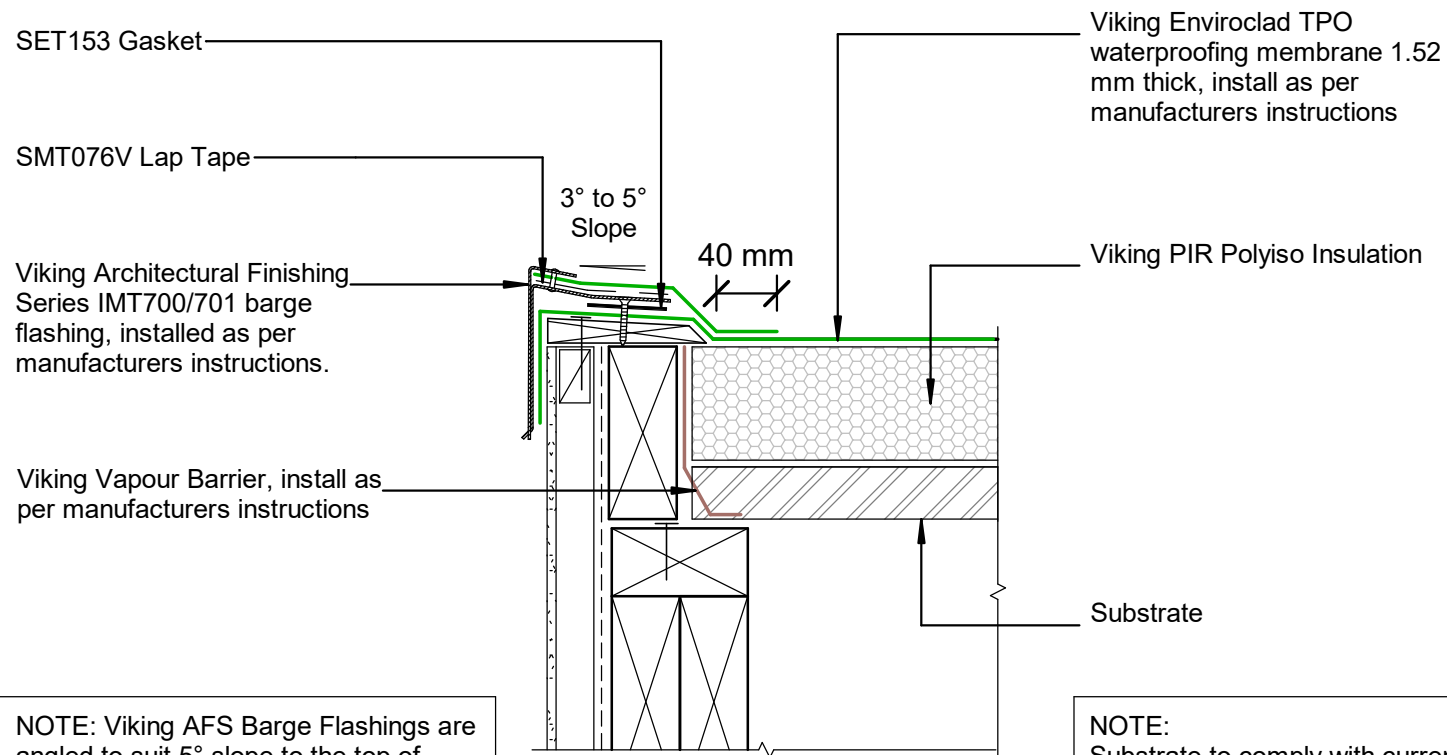
NOTES:

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DRAWING

INFORMATION ONLY

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

DRAWING TITLE

Viking WarmSpan - Enviroclad
Verge_Barge with Low Profile AFS

NOTES:

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WarmSpan System is Branz
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Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_031_VERGBARG			

Viking Roofspec
Taking care of detail

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.

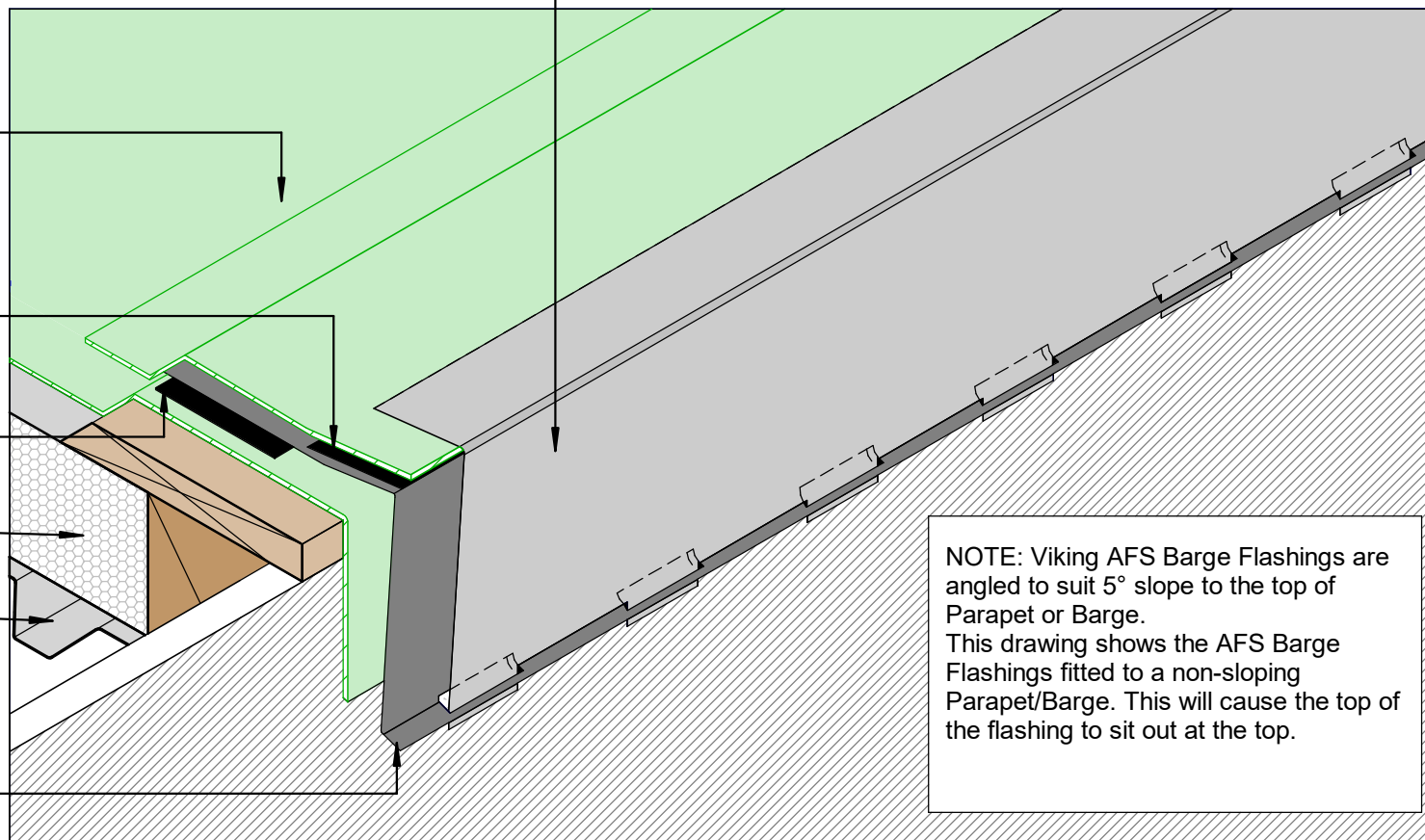
SMT076V Lap Tape

SET153 Gasket

Viking PIR Polyiso Insulation

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

DRAWING TITLE

Viking WarmSpan - 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 notated
* All details to be read in conjunction with
Viking Specifications

WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

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

Detail Ref: **VIK_WSE_031A_VERGBARG**

Optional foam infill to close gap between metal substrate and framing

Viking Vapour Barrier, install as per manufacturers instructions

1.6mm Alum or S/S Angle 50x50mm with Fixing-Bar to secure membrane to drip-edge

Cladding system as designed by others

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

Viking PIR Polyiso Insulation

Substrate

NOTE:
Substrate to comply with current Viking Roofspec Masterspec specification
Substrate Checksheet available from www.vikingroofspec.co.nz

DRAWING TITLE

Viking WarmSpan - 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 notated
- * All details to be read in conjunction with Viking Specifications

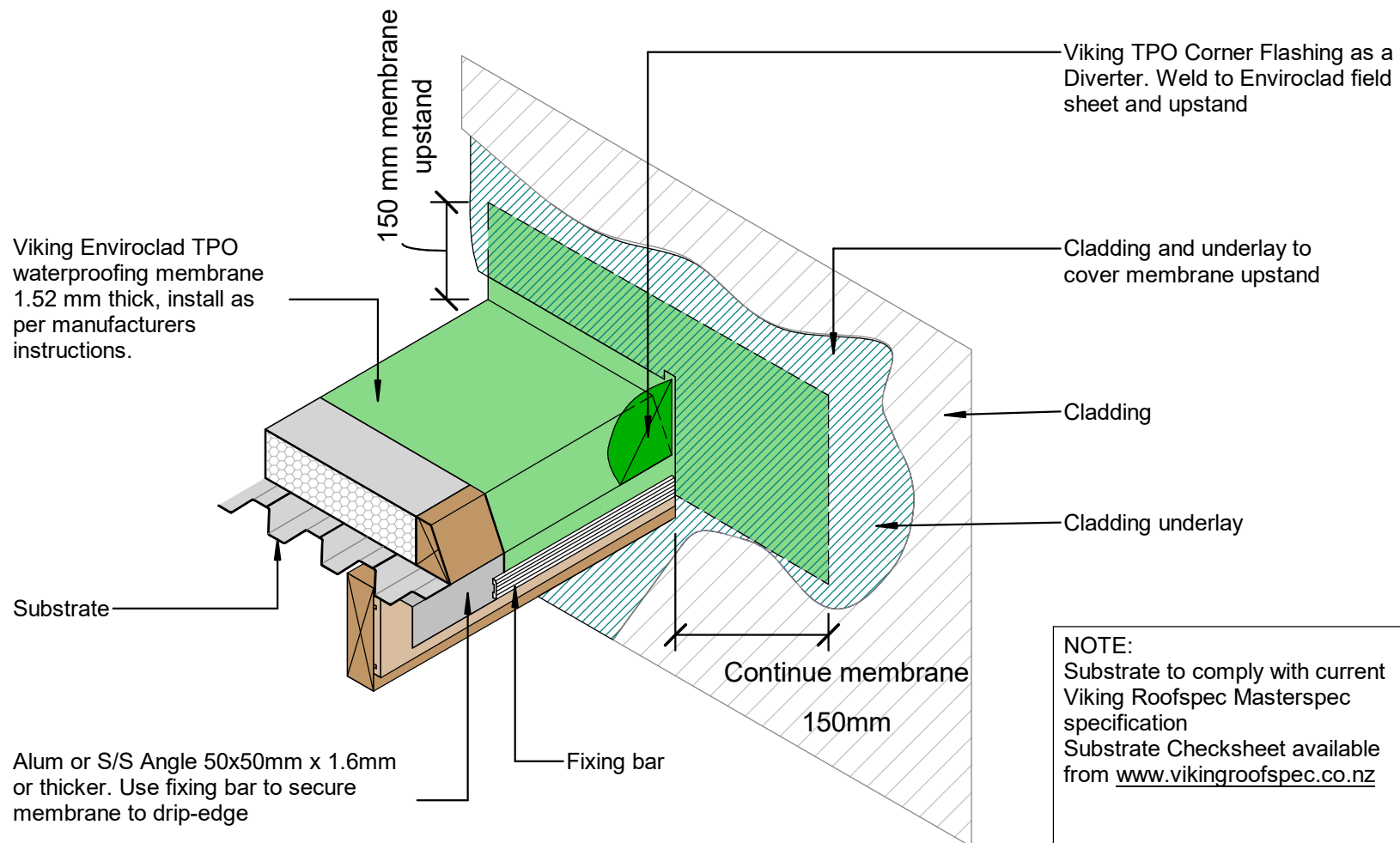
WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_032_VERGDRIP			

Viking Roofspec
Taking care of detail



DRAWING TITLE

Viking WarmSpan - Enviroclad
Verge_edge with wall continuing, Diverter for cladding

NOTES:

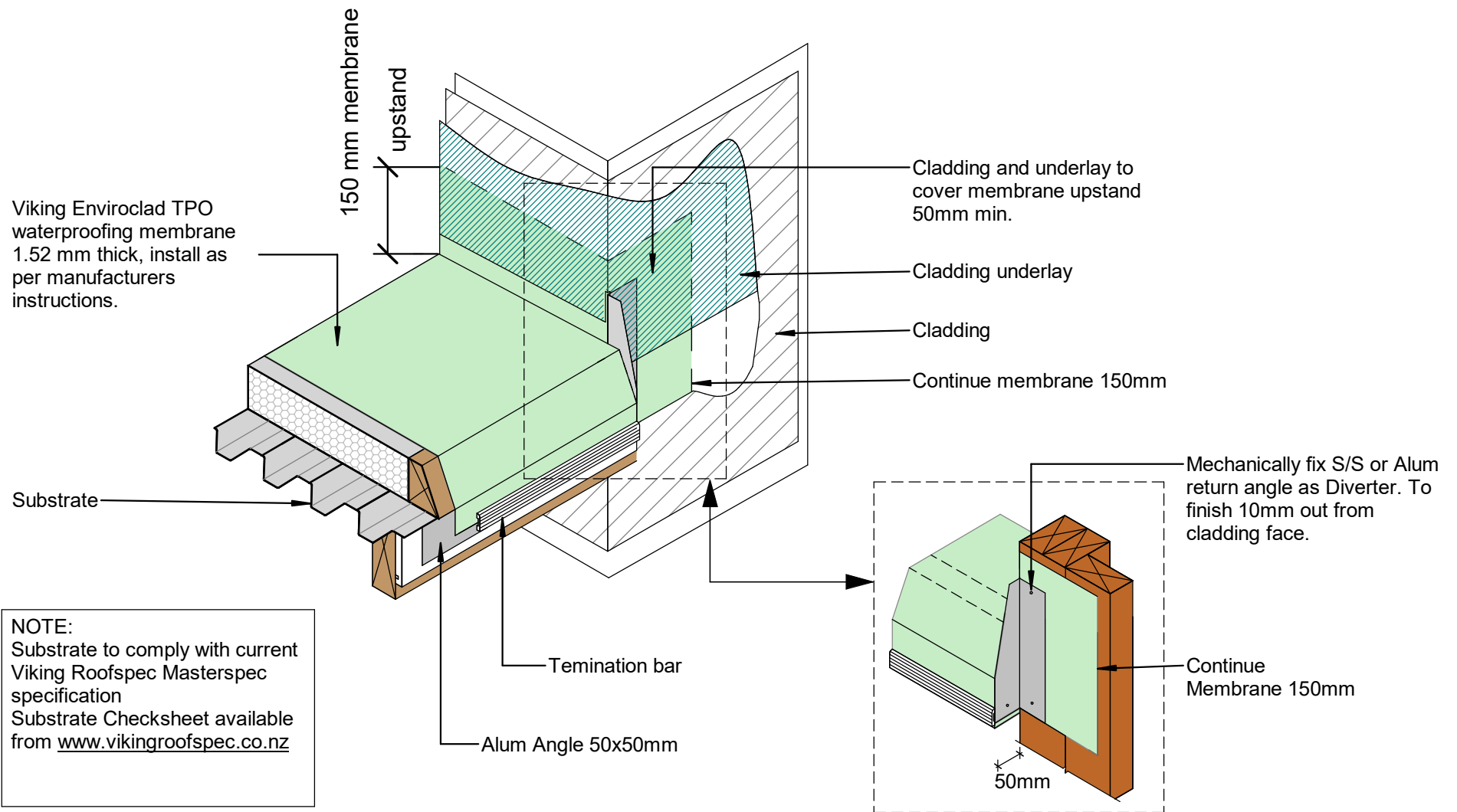
- * Angle fillets are not required at upstands for Enviroclad
- * All fixings, cladding and structure are indicative only unless notated
- * All details to be read in conjunction with Viking Specifications

WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_033_VERGEDGE			



DRAWING TITLE

Viking WarmSpan - 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

WarmSpan System is Branz
Appraised - 713

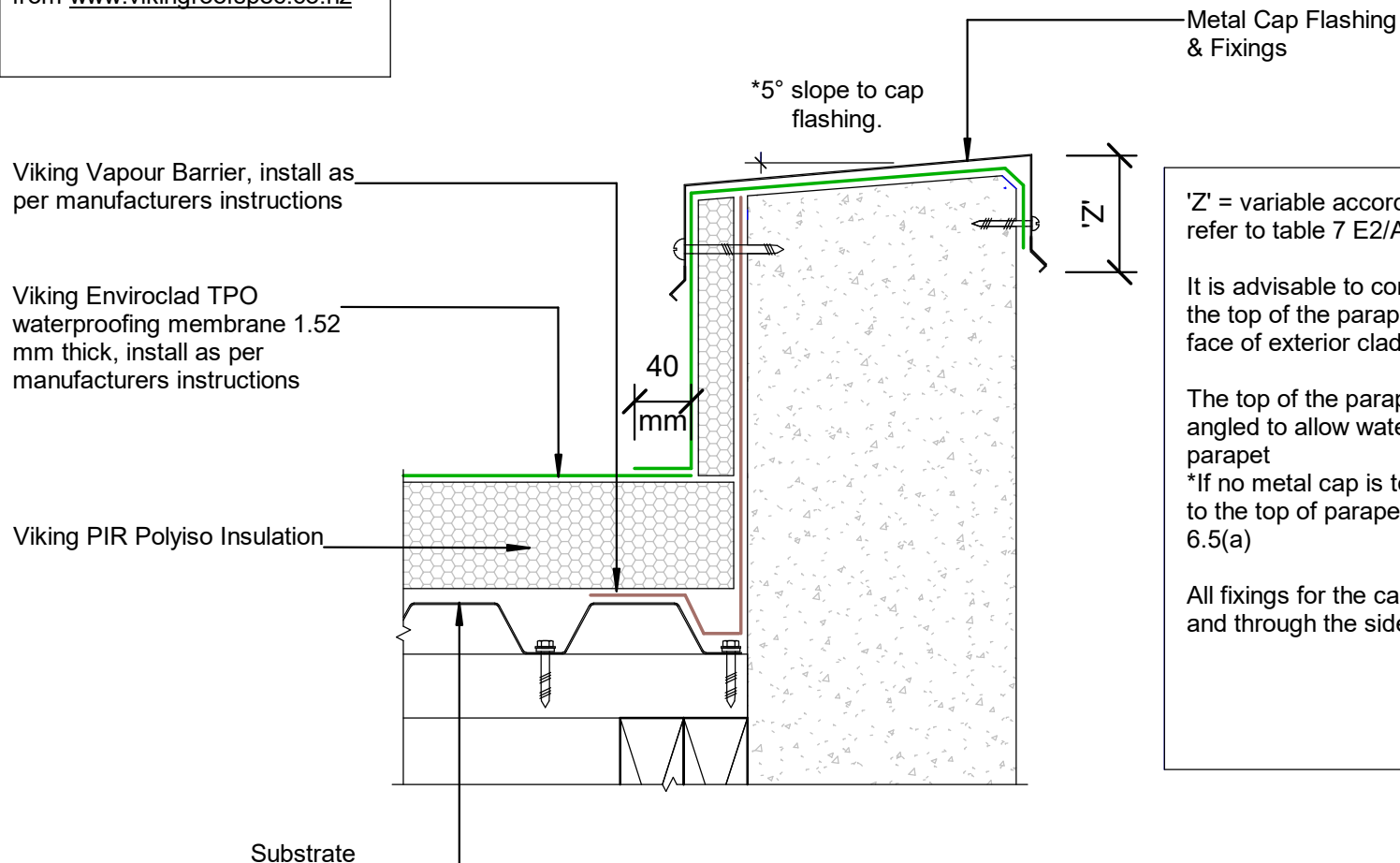
DRAWING

INFORMATION ONLY

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

Detail Ref: **VIK_WSE_033A_VERGEDGE**

NOTE:
Substrate to comply with current
Viking Roofspec Masterspec
specification
Substrate Checksheet available
from www.vikingroofspec.co.nz



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

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 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.

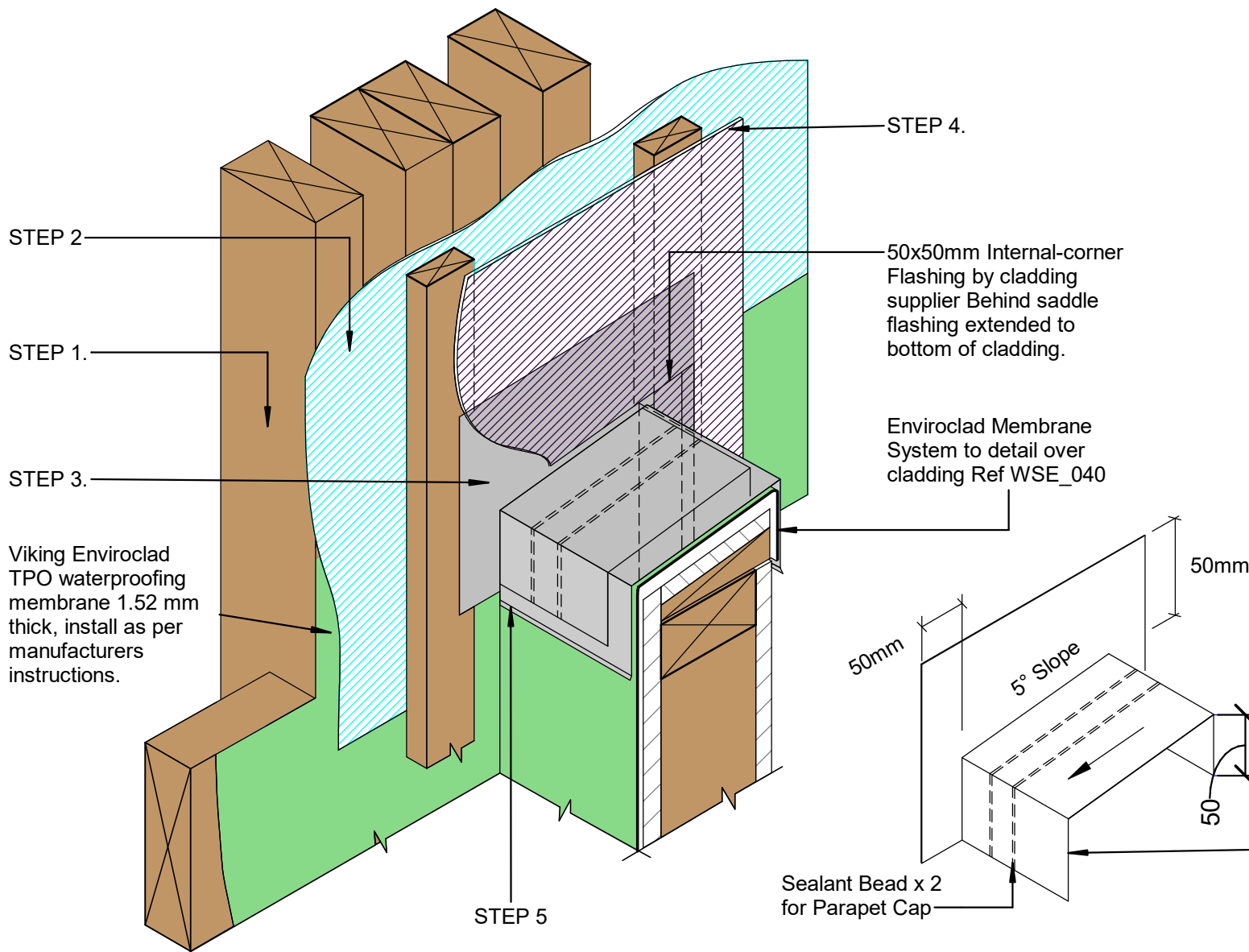
NOTES:

- * Angle fillets are not required at upstands for Enviroclad
- * All fixings, cladding and structure are indicative only unless notated
- * 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_WSE_040_PARACAP		



STEP

STEP 1. Viking Enviroclad behind cavity batten fully supported by substrate plywood or timber. Finish 150mm over & beyond the parapet junction

STEP 2. Wall Underlay behind cavity. Finish over membrane

STEP 3. *Saddle Flashing over cavity batten, directly behind cladding, refer Fig12 E2/AS1

STEP 4. Cladding to seal to saddle flashing

STEP 5. Metal Cap flashing to seal to saddle flashing

*Saddle flashing Refer E2/AS1 fig12 for detail

DRAWING TITLE

Viking WarmSpan - Enviroclad
Parapet_Timber wall ISO

NOTES:

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

WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref			
VIK_WSE_040A_PARAWALL			

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

Rain-head with Overflow
by others

Drip edge installed

Sealant and
tape by builder

NOTE:
Substrate to comply with current
Viking Roofs spec Masterspec
specification
Substrate Checksheet available
from www.vikingroofs spec.co.nz

Viking Vapour Barrier, install as
per manufacturers instructions

Building wrap

Builders flashing tape
non-bituminous

40 mm

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

Viking PIR Polyiso Insulation

Substrate

Screw fixing of
scupper

DRAWING TITLE

Viking WarmSpan - Enviroclad
Parapet_with scupper outlet

NOTES:

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

WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_041_PARASCUP			

Viking
Roofs spec
Taking care of detail

NOTE:
Substrate to comply with current
Viking Roofspec Masterspec
specification
Substrate Checksheet available
from www.vikingroofspec.co.nz

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

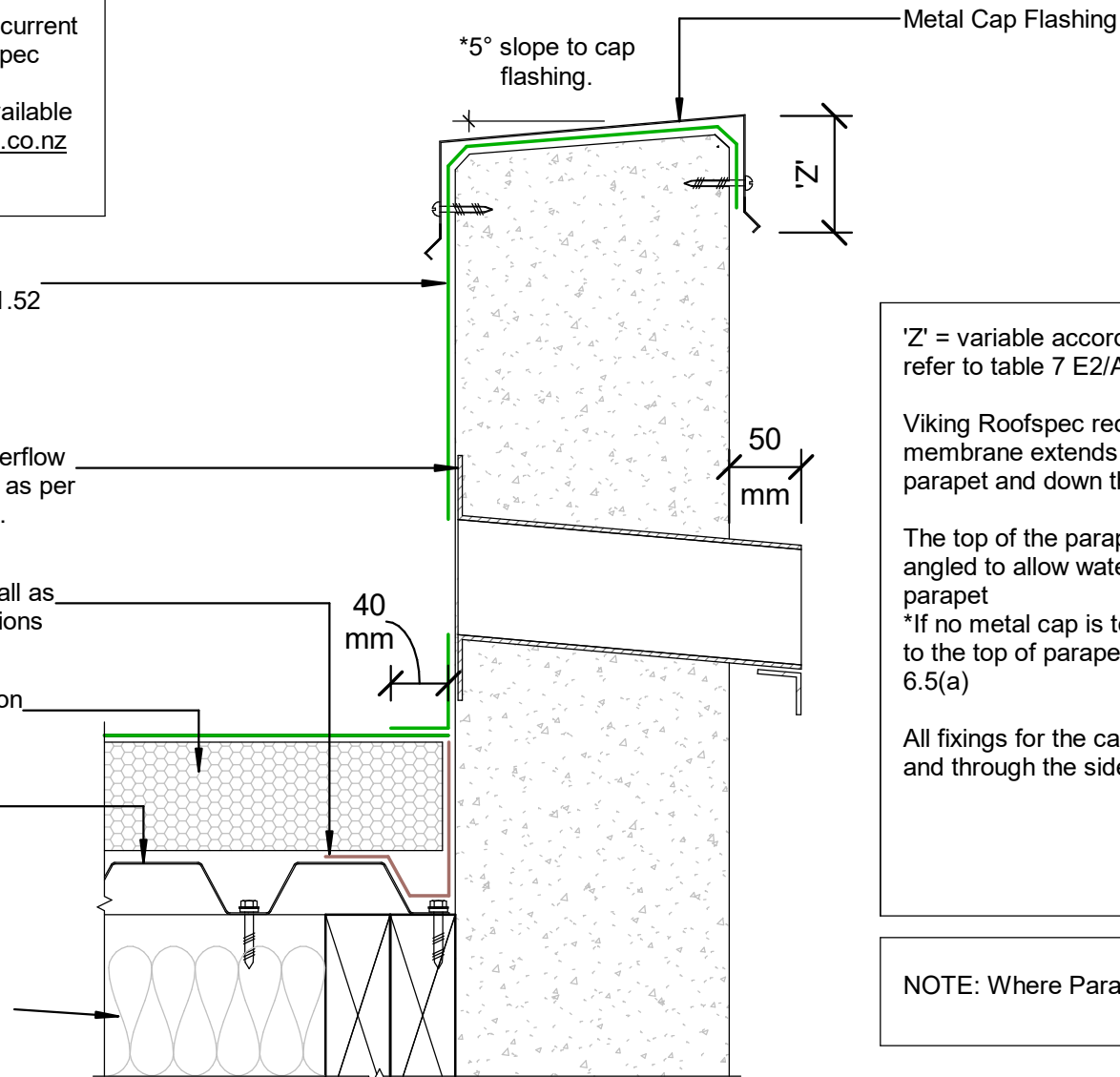
Viking 200x80mm TPO overflow
scupper STP604, installed as per
manufacturers instructions.

Viking Vapour Barrier, install as
per manufacturers instructions

Viking PIR Polyiso Insulation

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 WSE_40A

DRAWING TITLE

Viking WarmSpan - Enviroclad
Parapet_with overflow

NOTES:

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

WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_042_PARAOVER			

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

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

Viking PIR Polyiso Insulation

300mm Min. Gutter width. Falls at 1:100

Refer E2/AS1 paragraphs 8.5.6 and 8.5.10 figures. 64b & 64c

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

40 mm Weld

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.

NOTE:
Substrate to comply with current Viking Roofspec Masterspec specification Substrate Checksheet available from www.vikingroofspec.co.nz

DRAWING TITLE

Viking WarmSpan - Enviroclad
Internal Gutter_with outlet

NOTES:

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

WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

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

VIK_WSE_050_GUTTOUTL

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

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

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 WarmSpan - Enviroclad
Internal Gutter_to Wall

NOTES:

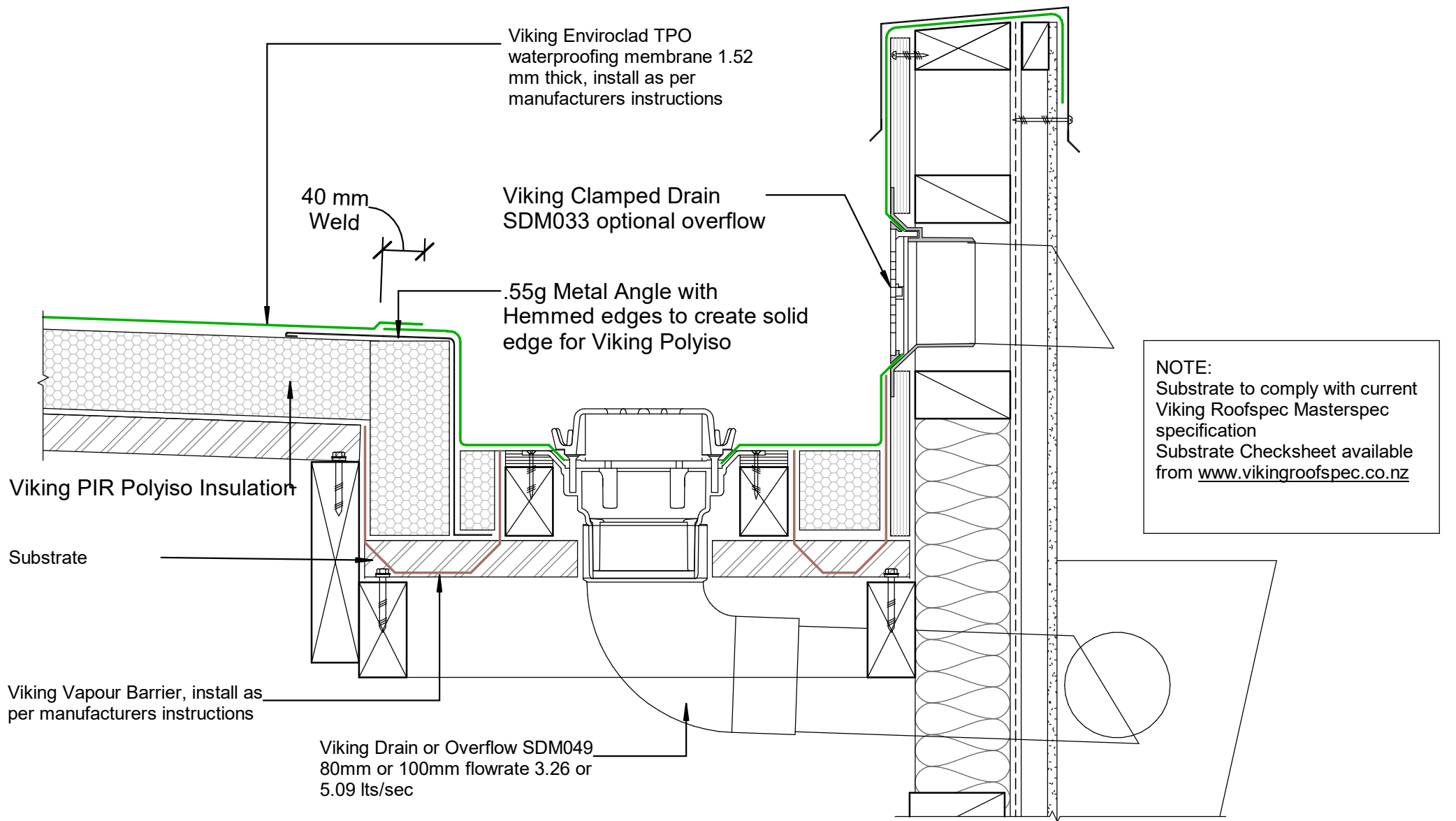
- * Angle fillets are not required at upstands for Enviroclad
- * All fixings, cladding and structure are indicative only unless notated
- * All details to be read in conjunction with Viking Specifications

WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_051_GUTTWALL			



DRAWING TITLE

Viking WarmSpan - Enviroclad Internal Gutter_with outlet / overflow

NOTES:

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

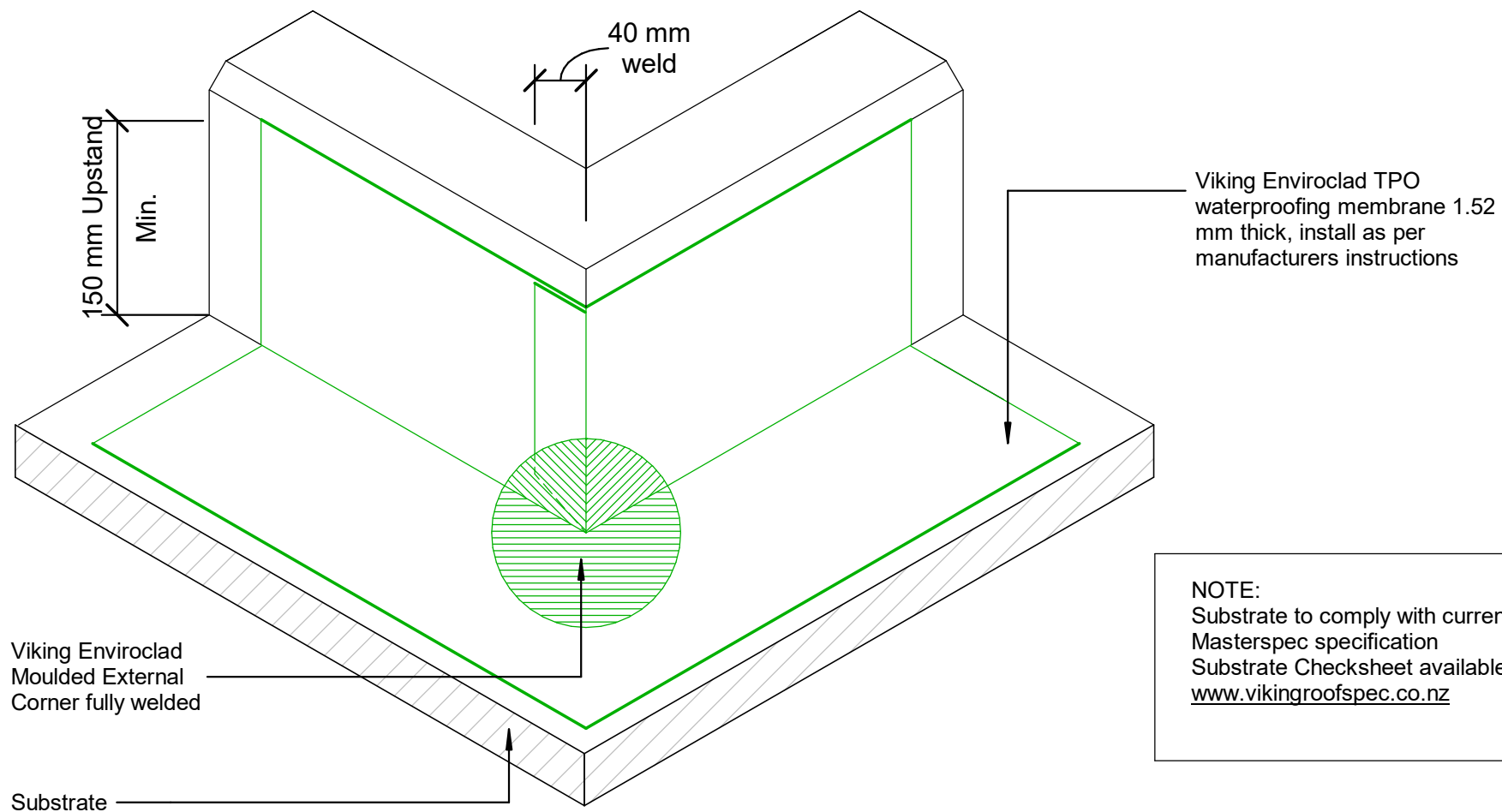
WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

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

Detail Ref: **VIK_WSE_052_GUTTWALL**



NOTE:
 Substrate to comply with current Roofspect
 Masterspec specification
 Substrate Checksheet available from
www.vikingroofspect.co.nz

NOTES:

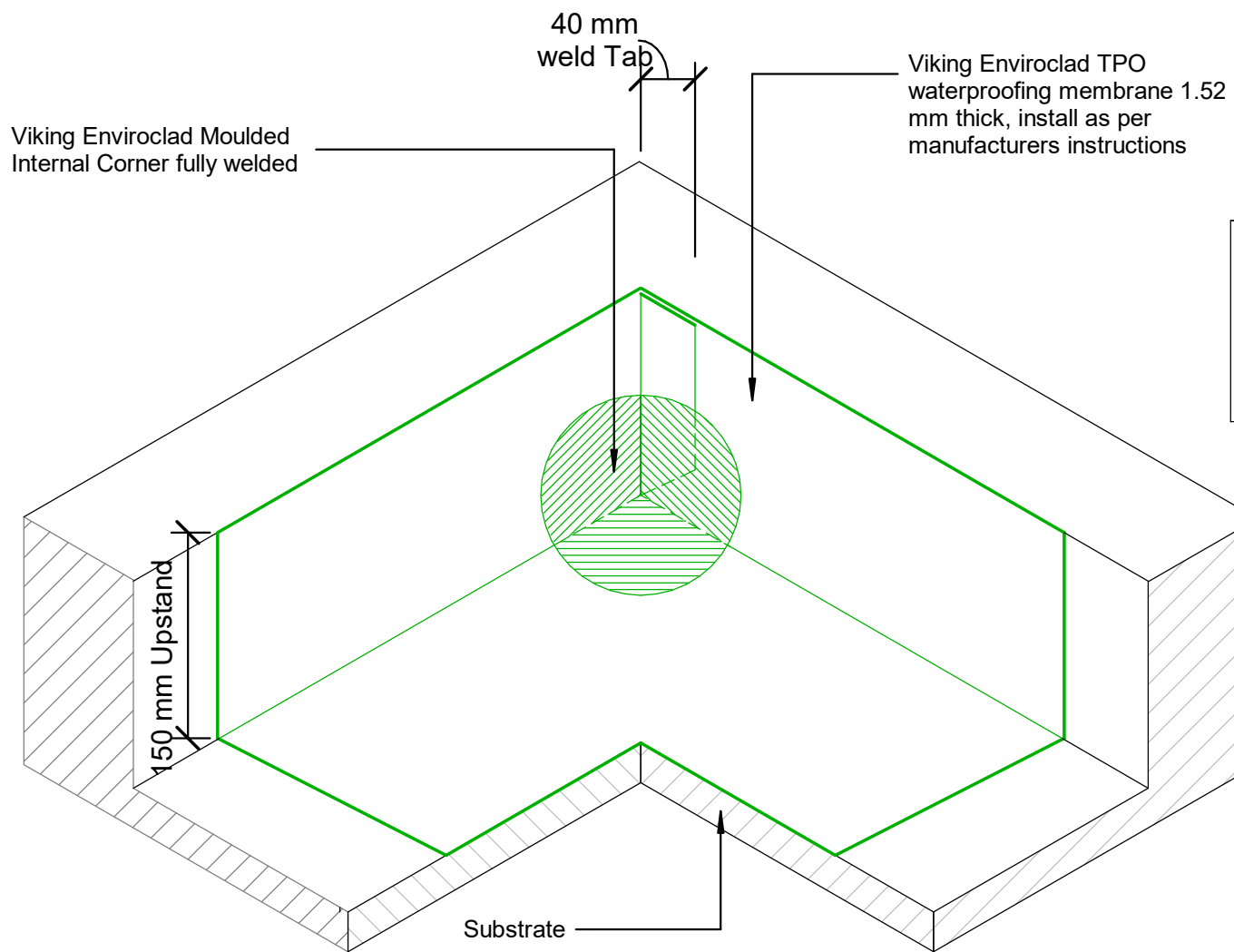
- * Angle fillets are not required at upstands for Enviroclad
- * All fixings, cladding and structure are indicative only unless noted
- * All details to be read in conjunction with Viking Specifications

WarmSpan System is Branz
 Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WSE_060_INTSECRN		



NOTE: Substrate to comply with current Viking Roofspec Masterspec specification Substrate Checksheet available from www.vikingroofspec.co.nz

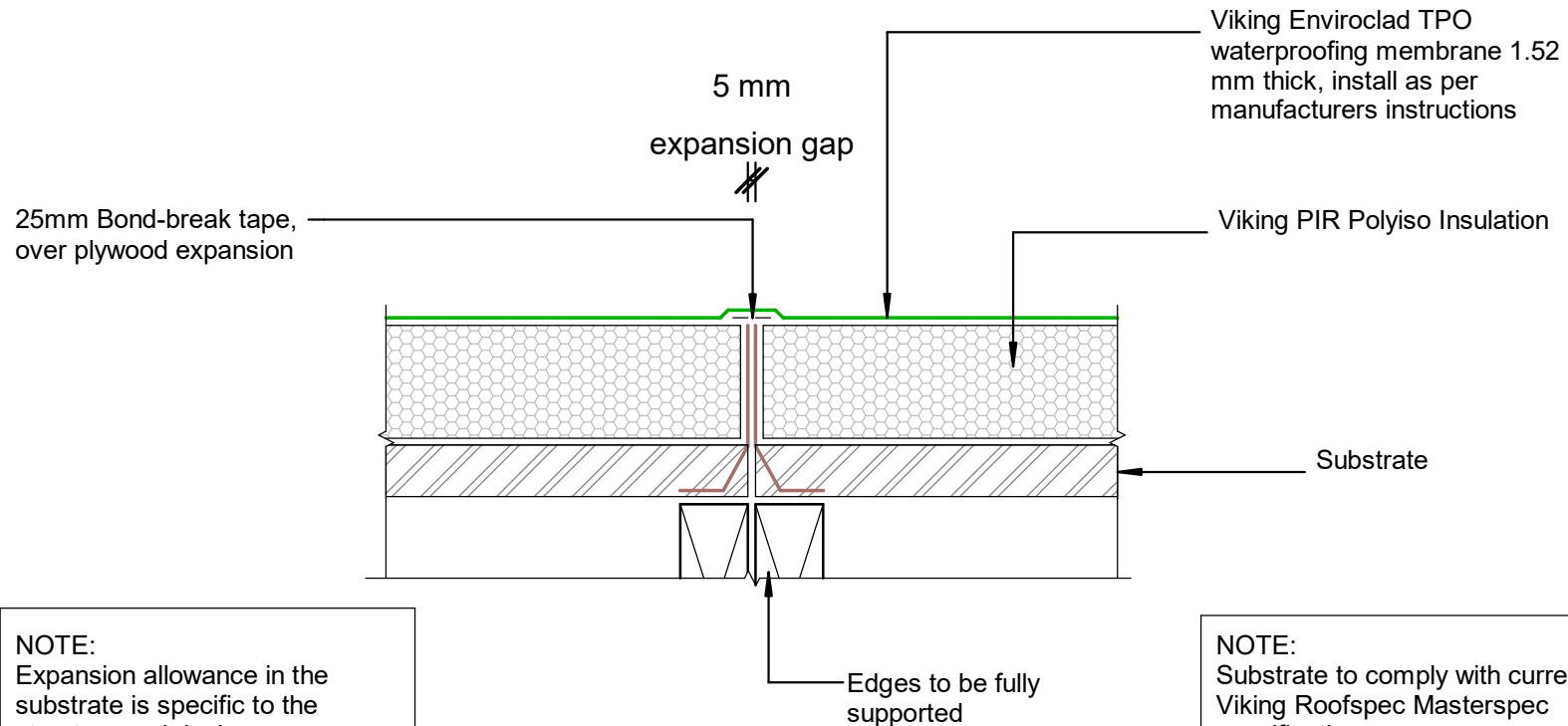
NOTES:

- * Angle fillets are not required at upstands for Enviroclad
- * All fixings, cladding and structure are indicative only unless notated
- * 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_WSE_061_INTSICNR		



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

DRAWING TITLE

Viking WarmSpan - 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

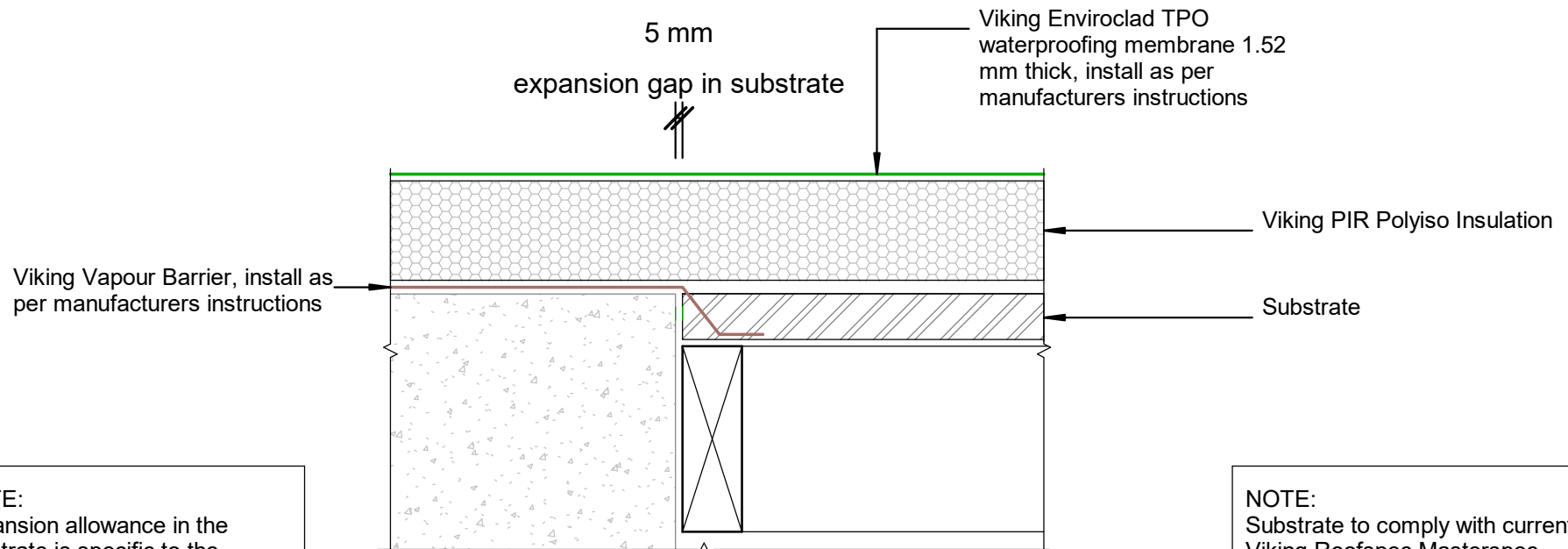
WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

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

VIK_WSE_062_INTSSUBS



DRAWING TITLE

Viking WarmSpan - Enviroclad Intersection_Substrate Expansion to Concrete

NOTES:

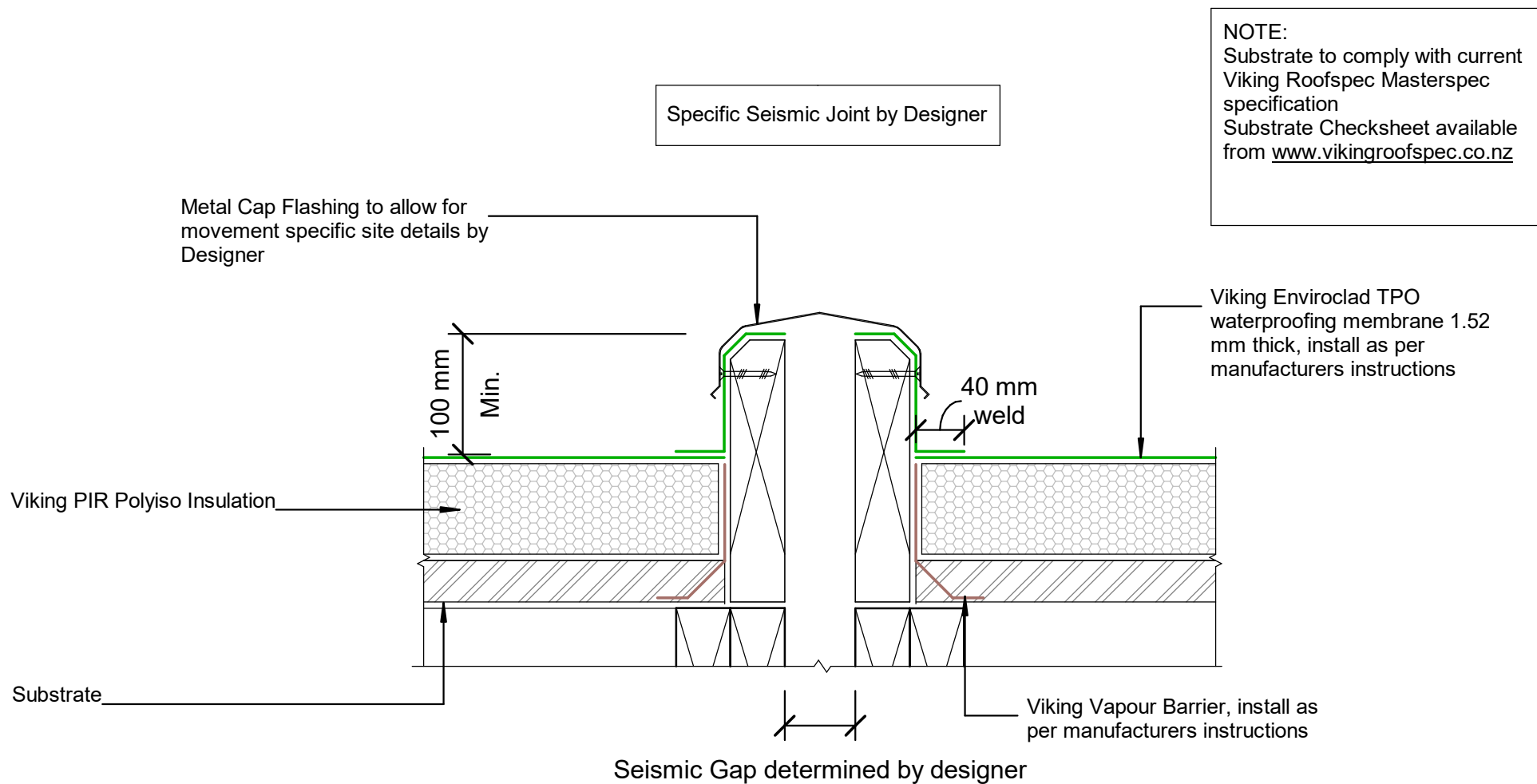
- * Angle fillets are not required at upstands for Enviroclad
- * All fixings, cladding and structure are indicative only unless notated
- * All details to be read in conjunction with Viking Specifications

WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_062A_INTSSUBS			



DRAWING TITLE

Viking WarmSpan - Enviroclad
Intersection_Seismic Gap Generic

NOTES:

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

WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WSE_063_INTSSEIS		

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

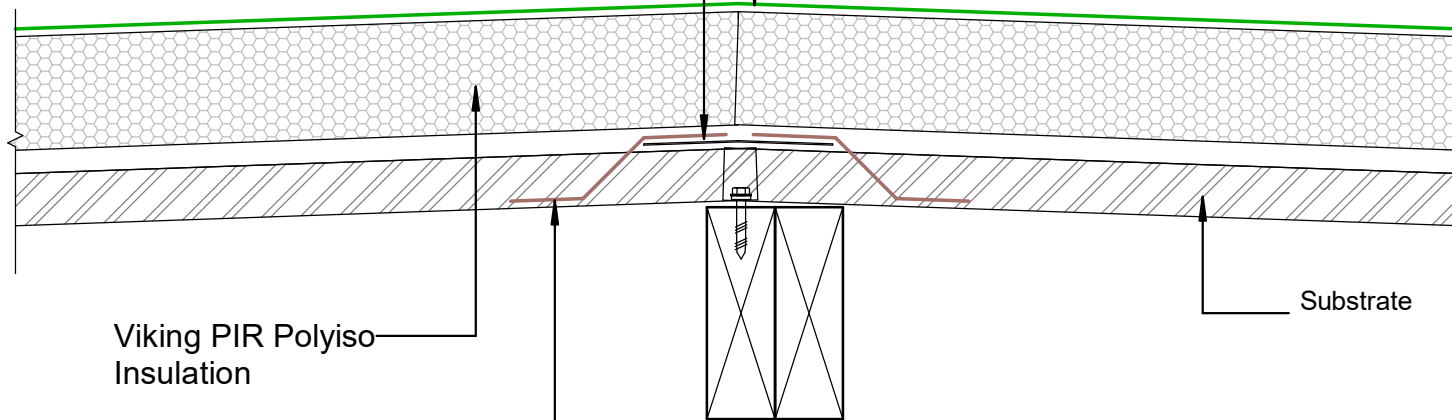
.55g Flat Flashing with Rivets on Overlap

Viking PIR Polyiso
Insulation

Viking Vapour Barrier, install as
per manufacturers instructions

Substrate

NOTE:
Substrate to comply with current
Viking Roofspec Masterspec
specification
Substrate Checksheet available
from www.vikingroofspec.co.nz



DRAWING TITLE

Viking WarmSpan - Enviroclad
Intersection_Ridge / Hip

NOTES:

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

WarmSpan System is Branz
Appraised - 713

DRAWING

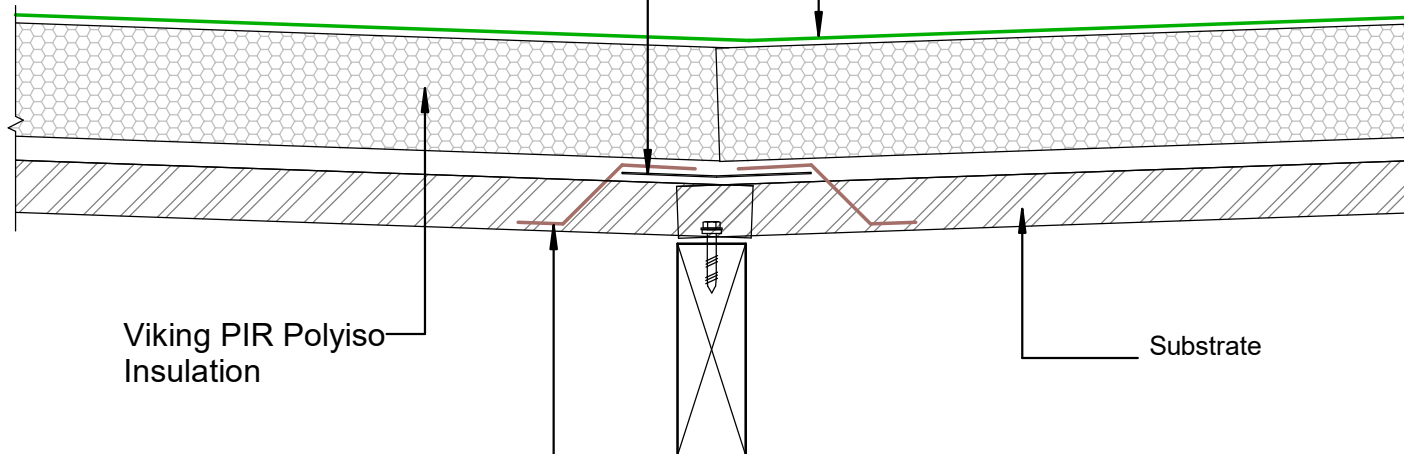
INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_064_INTSRIDG			

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

NOTE:
Substrate to comply with current
Viking Roofspec Masterspec
specification
Substrate Checksheet available
from www.vikingroofspec.co.nz

.55g Flat Flashing with Rivets on Overlap



Viking PIR Polyiso
Insulation

Substrate

Viking Vapour Barrier, install as
per manufacturers instructions

DRAWING TITLE

Viking WarmSpan - Enviroclad
Intersection_Valley

NOTES:

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

WarmSpan System is Branz
Appraised - 713

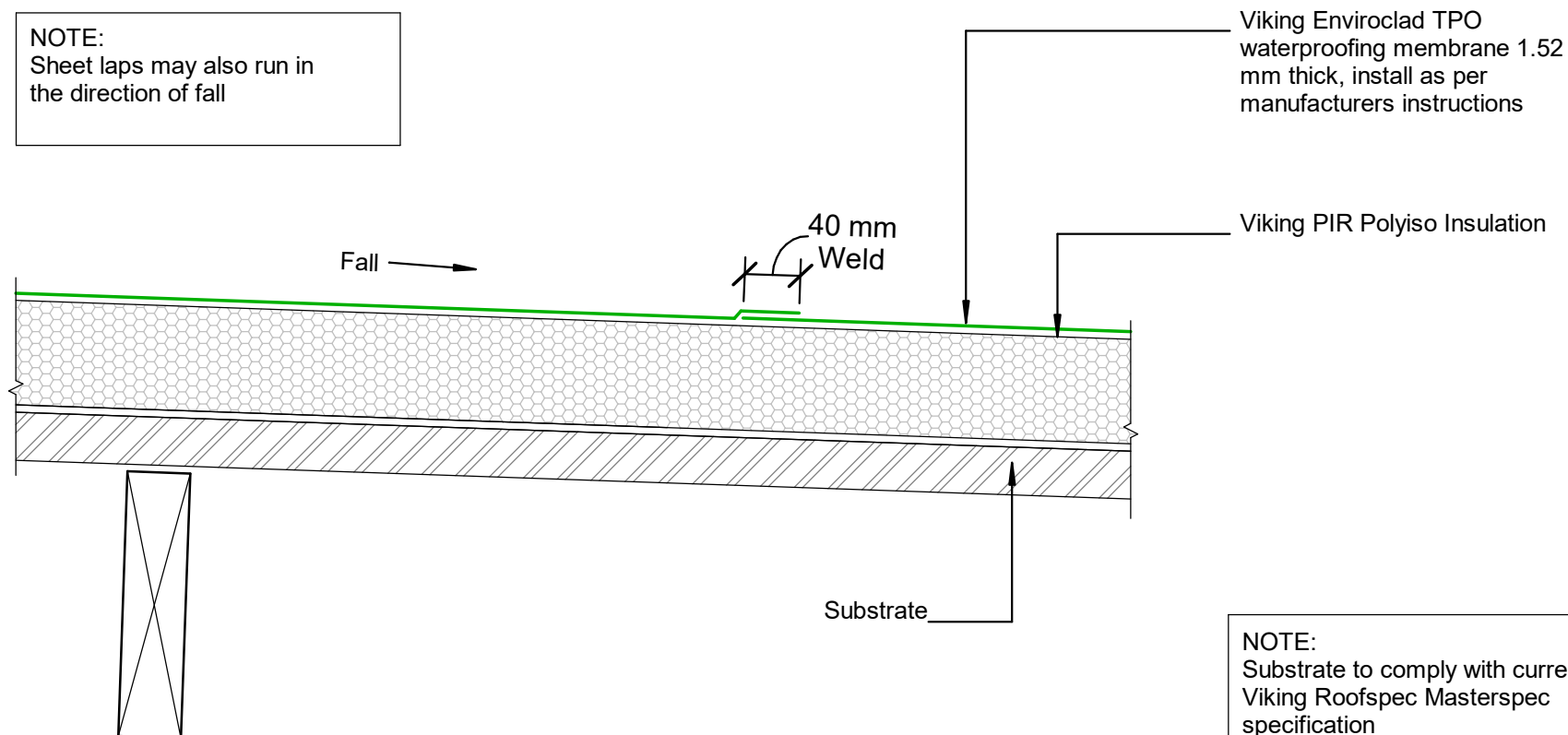
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_065_INTSVALL			

Viking Roofspec
Taking care of detail

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



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

Viking PIR Polyiso Insulation

Substrate

NOTE:
Substrate to comply with current
Viking Roofspec Masterspec
specification
Substrate Checksheet available
from www.vikingroofspec.co.nz

DRAWING TITLE

Viking WarmSpan - Enviroclad
Intersection_Sheet Lap

NOTES:

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

WarmSpan System is Branz
Appraised - 713

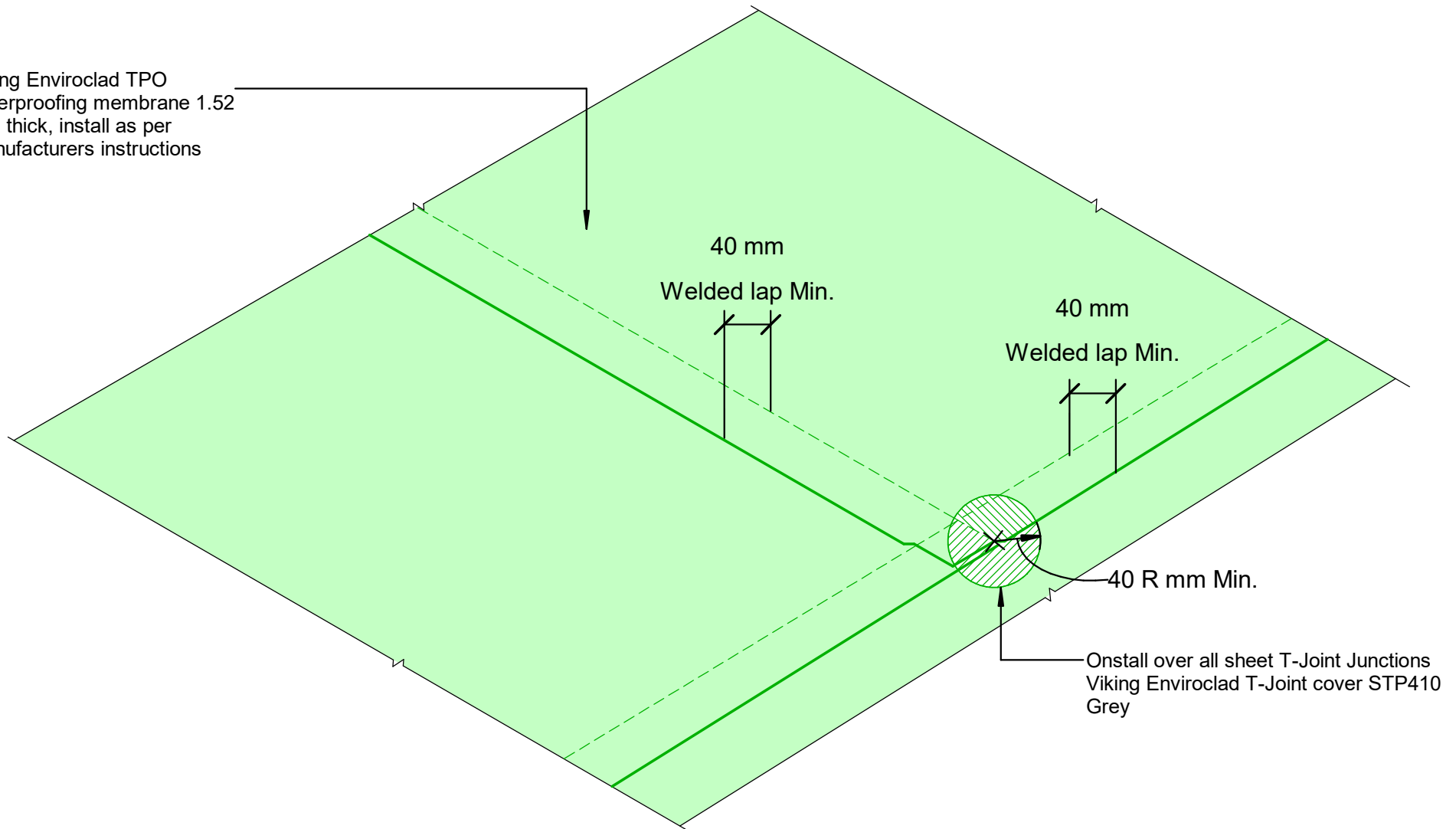
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WSE_066_INTSSHEL		

Viking Roofspec
Taking care of detail

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



DRAWING TITLE

Viking WarmSpan - Enviroclad
Intersection_Sheet T-Joint

NOTES:

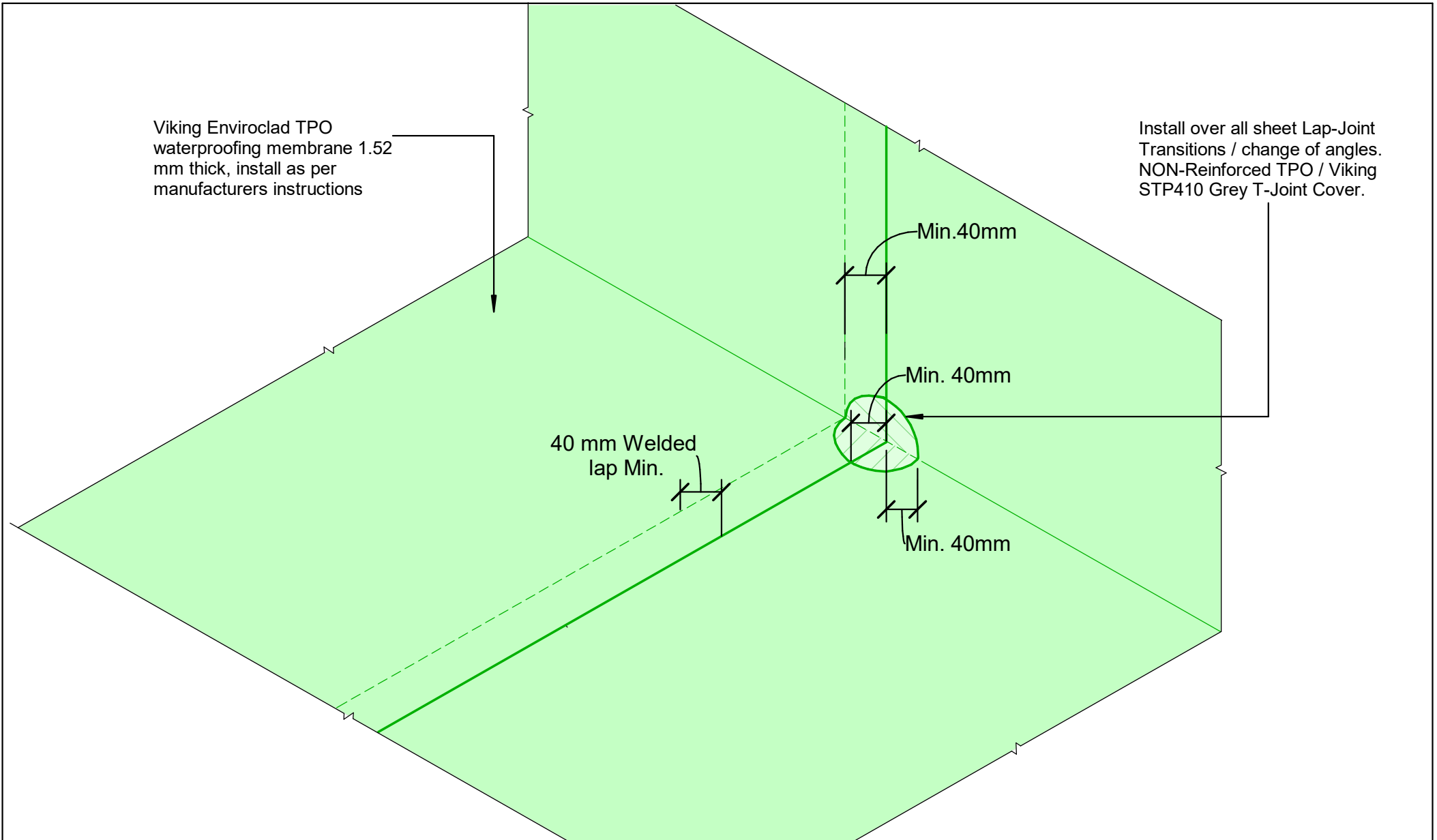
- * Angle fillets are not required at upstands for Enviroclad
- * All fixings, cladding and structure are indicative only unless notated
- * All details to be read in conjunction with Viking Specifications

WarmSpan System is Branz
Appraised - 713

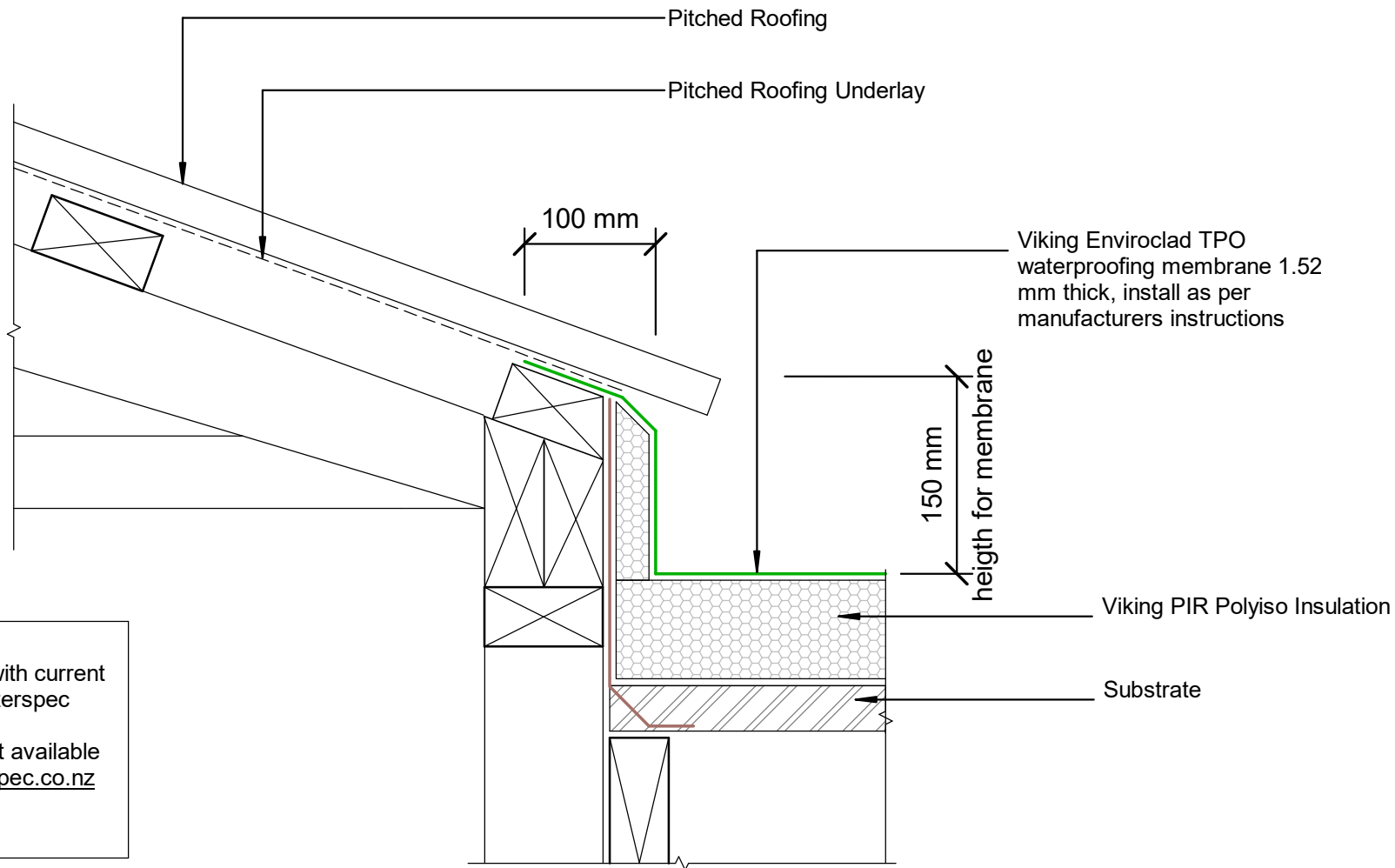
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WSE_067_INTSSHTT		



<div><div><div>Roofspec</div><div>Viking</div><div>Taking care of detail</div></div></div>	DRAWING TITLE	NOTES:	WarmSpan System is Branz Appraised - 713	DRAWING INFORMATION ONLY			
	Viking WarmSpan - Enviroclad Intersection_Lap Transition	* Angle fillets are not required at upstands for Enviroclad * All fixings, cladding and structure are indicative only unless notated * All details to be read in conjunction with Viking Specifications		Scale:	Date:	Drawn:	Viking
				Not to Scale	01/03/2022		
				Detail Ref: VIK_WSE_068_INTSLAPT			



DRAWING TITLE

Viking WarmSpan - 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 notated
- * All details to be read in conjunction with Viking Specifications

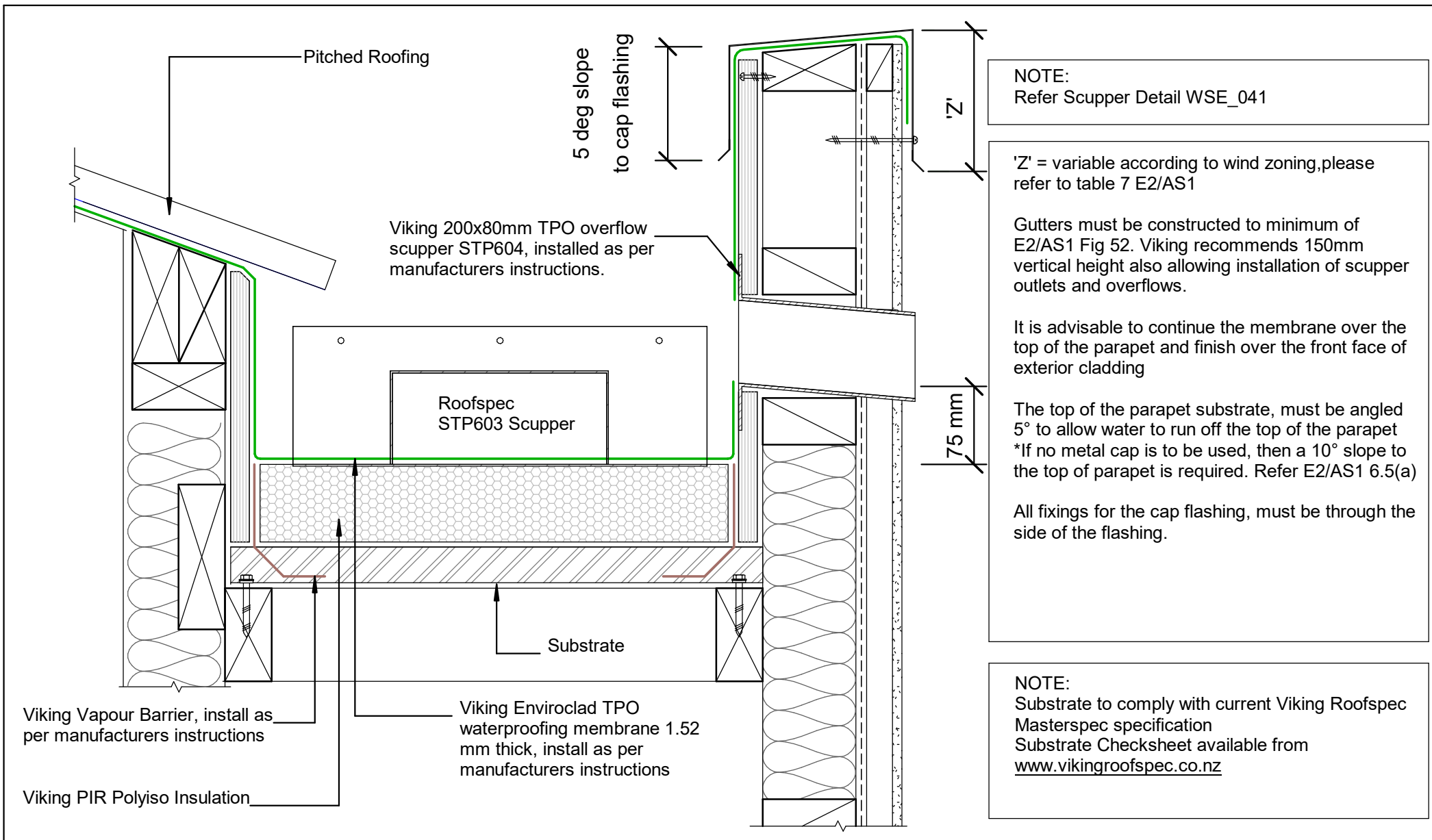
WarmSpan System is Branz
Appraised - 713


DRAWING

INFORMATION ONLY

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

VIK_WSE_070_RJUNUPST



 <i>Taking care of detail</i>	DRAWING TITLE		NOTES:		WarmSpan System is Branz Appraised - 713	DRAWING INFORMATION ONLY			
	Viking WarmSpan - Enviroclad Roof Junction_Metal Roof to Internal Gutter		* 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			Scale: Date: Drawn: Viking			
						Not to Scale 01/03/2022			
						Detail Ref: VIK WSE 072 RJUNGUT			

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

Metal Flashing refer E2
paragraph 4.0

DRAWING TITLE

Viking WarmSpan - Enviroclad
Roof Junction_Mansard Verge

NOTES:

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

WarmSpan System is Branz
Appraised - 713

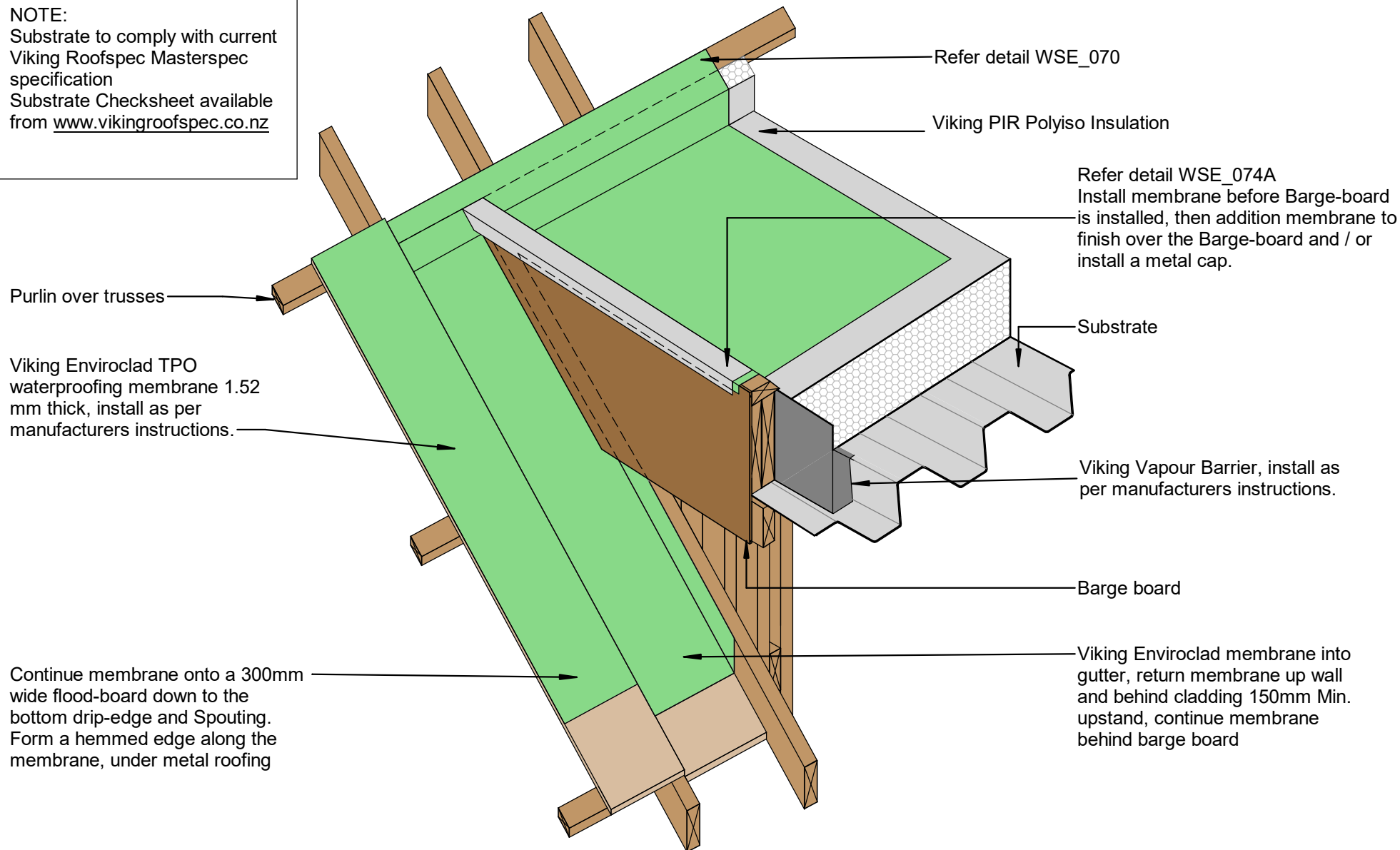
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref: VIK_WSE_073_RJUNMANV			

NOTE:

Substrate to comply with current
Viking Roofspec Masterspec
specification
Substrate Checksheet available
from www.vikingroofspec.co.nz



NOTES:

- * Angle fillets are not required at upstands for Enviroclad
- * All fixings, cladding and structure are indicative only unless notated
- * 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_WSE_074_RJUNDORM		

NOTE:
Substrate to comply with current
Viking Roofspect Masterspec
specification
Substrate Checksheet available
from www.vikingroofspect.co.nz

Refer to Table 7

E2/AS1

Metal Cap
with saddle flashing
from under profiled
roofing

300 mm flood-board

12mm plywood

Solid blocking

300 mm

17mm plywood

35 mm

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

150 mm
min. upstand

DRAWING TITLE

Viking WarmSpan - Enviroclad
Roof Junction_Dormer Gutter

NOTES:

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

WarmSpan System is Branz
Appraised - 713

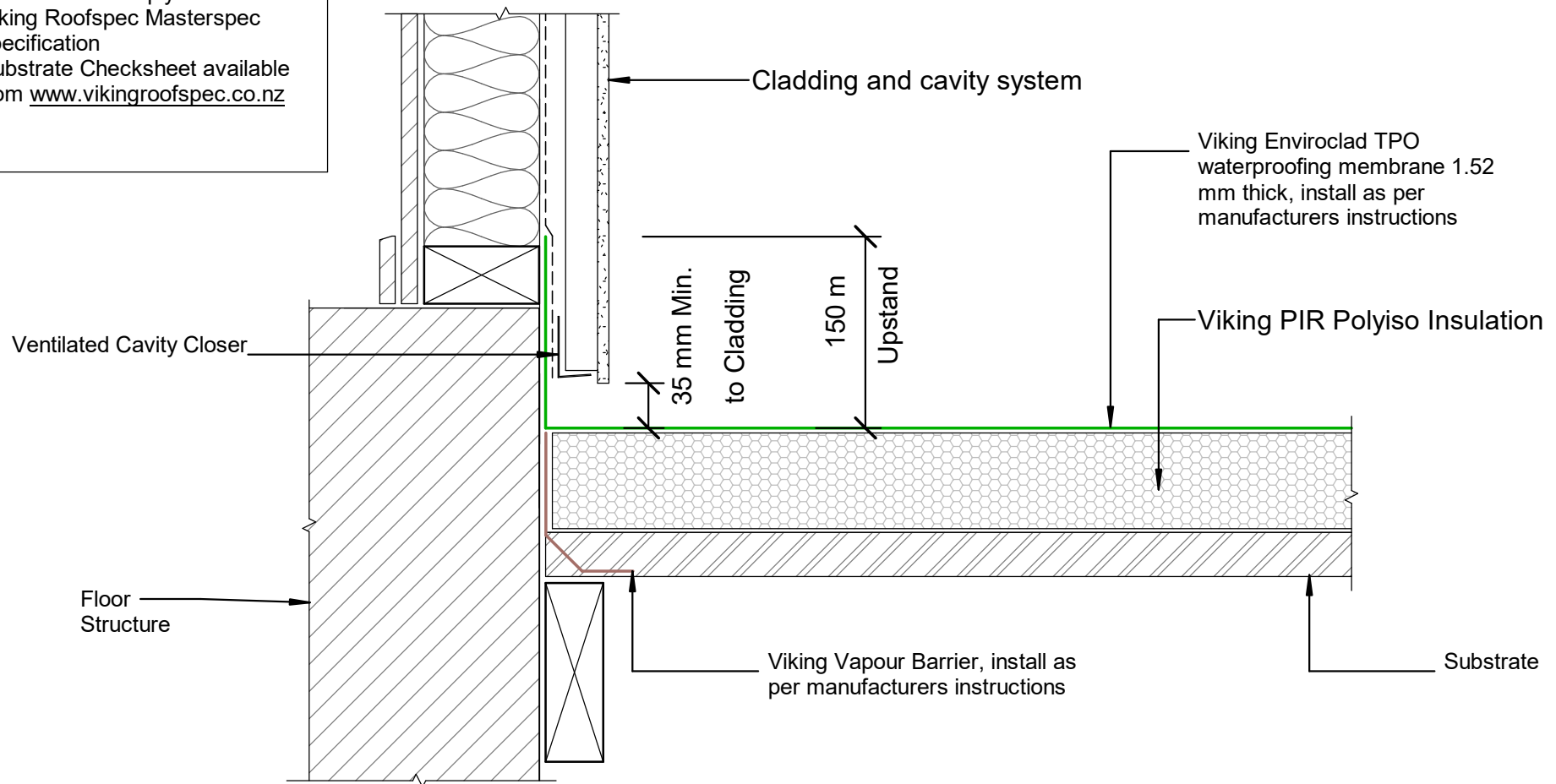
DRAWING

INFORMATION ONLY

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

VIK_WSE_074A_RJUNDORM

NOTE:
Substrate to comply with current
Viking Roofspec Masterspec
specification
Substrate Checksheet available
from www.vikingroofspec.co.nz



NOTES:

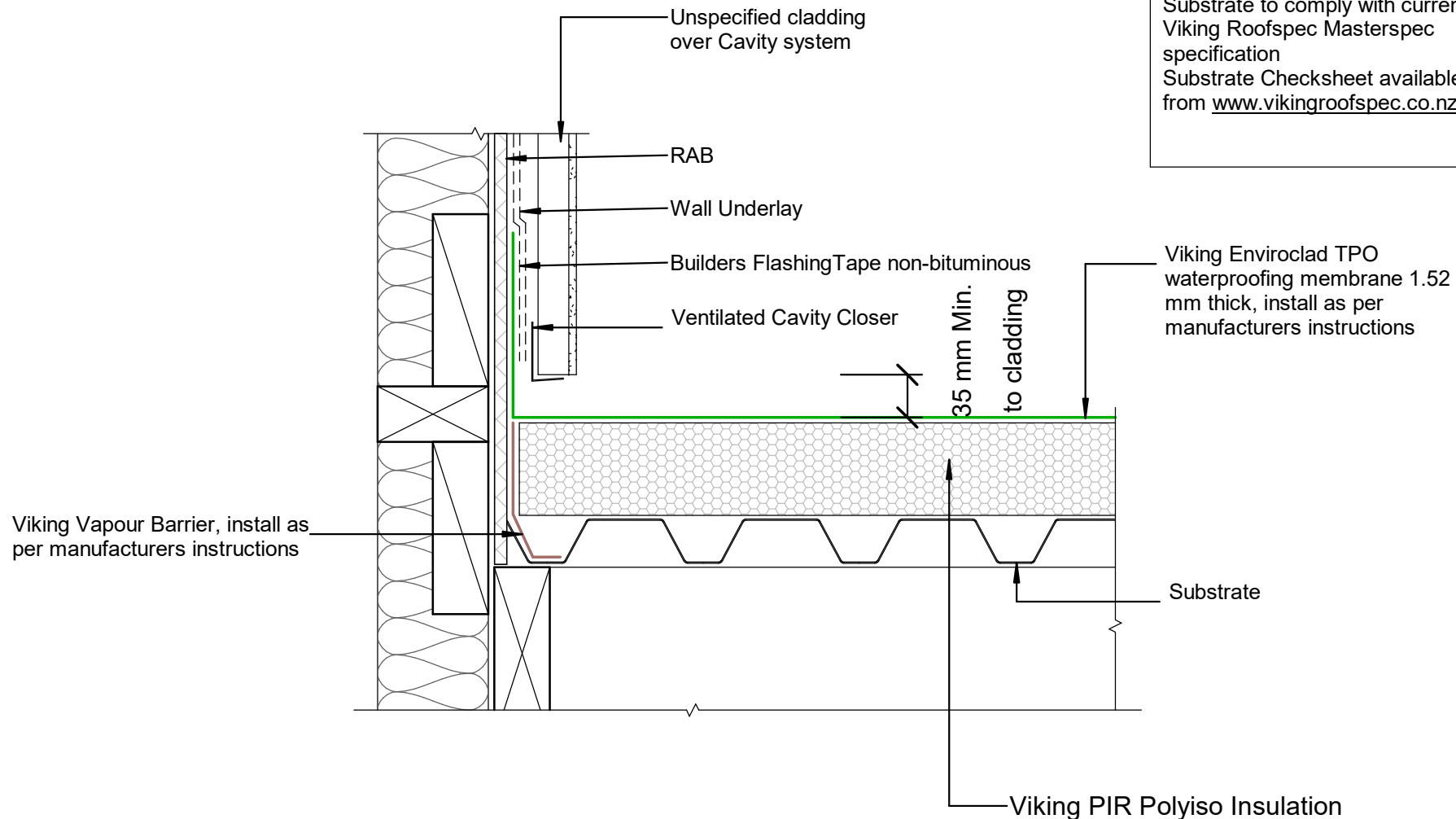
- * Angle fillets are not required at upstands for Enviroclad
- * All fixings, cladding and structure are indicative only unless notated
- * All details to be read in conjunction with Viking Specifications

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale	01/03/2022		
Detail Ref:	VIK_WSE_080_APRNUPST		

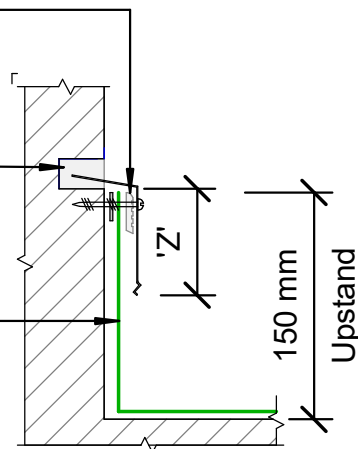
NOTE:
 Substrate to comply with current
 Viking Roofspect Masterspec
 specification
 Substrate Checksheet available
 from www.vikingroofspect.co.nz



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

MS Sealant

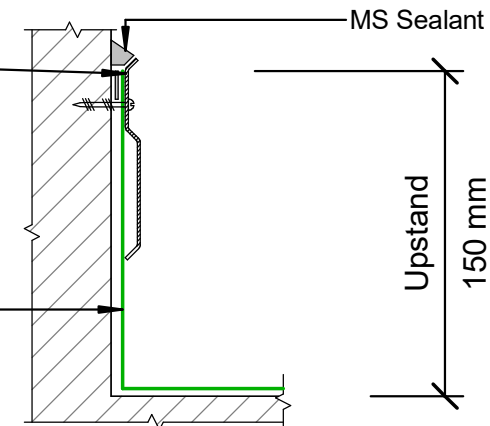
Viking Enviroclad TPO
waterproofing membrane 1.52
mm thick, install as per
manufacturers instructions



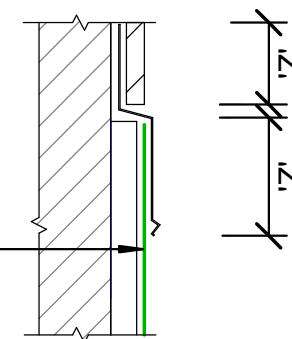
Chase termination 'A'

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



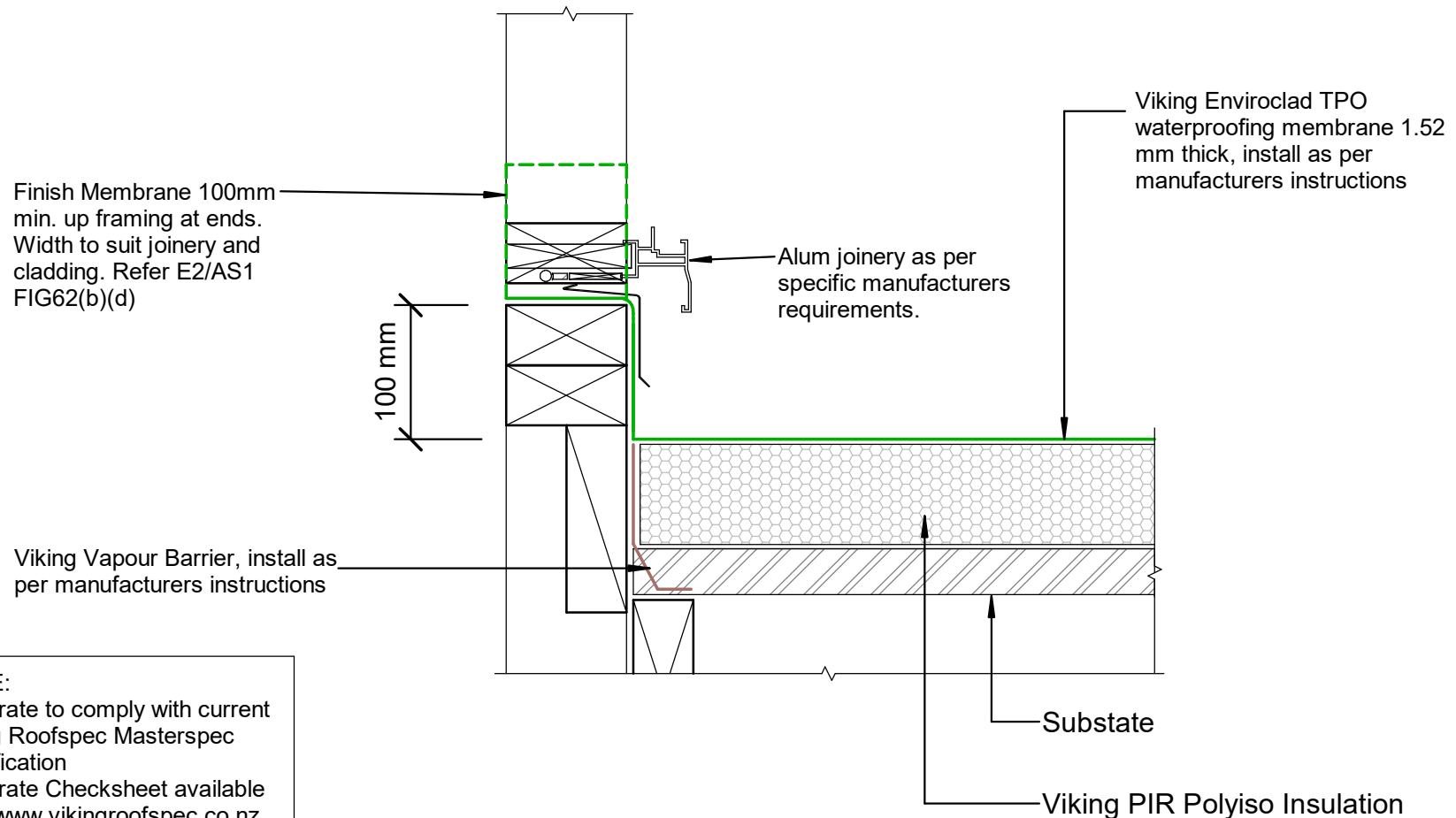
Apron Flashing
termination 'C'

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 Roofs spec Masterspec specification
Substrate Checksheet available from www.vikingroofs spec.co.nz



DRAWING TITLE

Viking WarmSpan - Enviroclad Threshold_Window

NOTES:

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

WarmSpan System is Branz
Appraised - 713

DRAWING

INFORMATION ONLY

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

Detail Ref: **VIK_WSE_091_WINDTHRS**

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 Roofs spec Masterspec specification
Substrate Checksheet available from www.vikingroofs spec.co.nz

