

Sheet List

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VIK_ENV_030_VERGBARG	Verge_Barge
VIK_ENV_031_VERGBARG	Verge_Barge with Low Profile AFS
VIK_ENV_031A_VERGBARG	Verge_Barge with Low Profile AFS in ISOMETRIC
VIK_ENV_032_VERGDRI	Verge_Roof edge terminates with wall continuing, Diverter for cladding
VIK_ENV_033_VERGEDGE	Verge_Roof edge terminates with wall continuing, Diverter for cladding

Sheet List

Sheet Number	Sheet Name
VIK_ENV_033A_VERGEDGE	Verge_Roof edge terminates with wall returning, Diverter for cladding
VIK_ENV_040_PARACAP	Parapet_with Cap
VIK_ENV_040A_PARAWALL	Parapet_Parapet meets wall
VIK_ENV_041_PARASCUP	Parapet_with scupper outlet
VIK_ENV_042_PARAOVER	Parapet_with overflow
VIK_ENV_050_GUTTOU	Internal Gutter_with outlet
VIK_ENV_051_GUTTWALL	Internal Gutter_to Wall
VIK_ENV_060_INTSECRN	Intersection_External corner
VIK_ENV_061_INTSICNR	Intersection_Internal corner
VIK_ENV_062_INTSSUBS	Intersection_Substrate Expansion
VIK_ENV_062A_INTSSUBS	Intersection_Substrate Expansion Ply to Concrete
VIK_ENV_063_INTSSEIS	Intersection_Seismic Gap Generic
VIK_ENV_064_INTSRIDG	Intersection_Ridge / Hip
VIK_ENV_065_INTSVALL	Intersection_Valley
VIK_ENV_066_INTSSHEL	Intersection_Sheet Lap
VIK_ENV_067_INTSSHTT	Intersection_Sheet T-Joint
VIK_ENV_068_INTSLAPT	Intersection_Lap Transition
VIK_ENV_070_RJUNUPST	Roof Junction_Upstand to Pitched Roofing
VIK_ENV_071_RJUNMETL	Roof Junction_Membrane to Pitched Roofing Longrun
VIK_ENV_071A_RJUNTILE	Roof Junction_Membrane to Pitched Roofing Tiles
VIK_ENV_071B_RJUNSHIN	Roof Junction_Membrane to Pitched Roofing Shingles
VIK_ENV_072_RJUNGUTI	Roof Junction_Metal Roof to Internal Gutter
VIK_ENV_073_RJUNMANV	Roof Junction_Mansard Verge
VIK_ENV_074_RJUNDORM	Roof Junction_Dormer ISO
VIK_ENV_074A_RJUNDORM	Roof Junction_Dormer Gutter
VIK_ENV_080_APRNUPST	Apron_Upstand behind cladding
VIK_ENV_080A_APRNURAB	Apron_Upstand to RAB behind cladding
VIK_ENV_081_APRNUTER	Apron_Upstand terminations without cladding
VIK_ENV_090_DOORTHRS	Threshold_Door
VIK_ENV_091_WINDTHRS	Threshold_Window
VIK_ENV_100_DECKBALU	Deck_Balustrade
VIK_ENV_101_DECKBALU	Deck_Balustrade to External Spouting
VIK_ENV_120_ACCSTOPB	Accessories_Enviroclad TPO Batten



Viking Enviroclad Viking Roofspect Details Schedule

NOTES:

* Angle filllets are not required at upstands for Enviroclad
* All fixings, cladding and structure are indicative only unless notated.

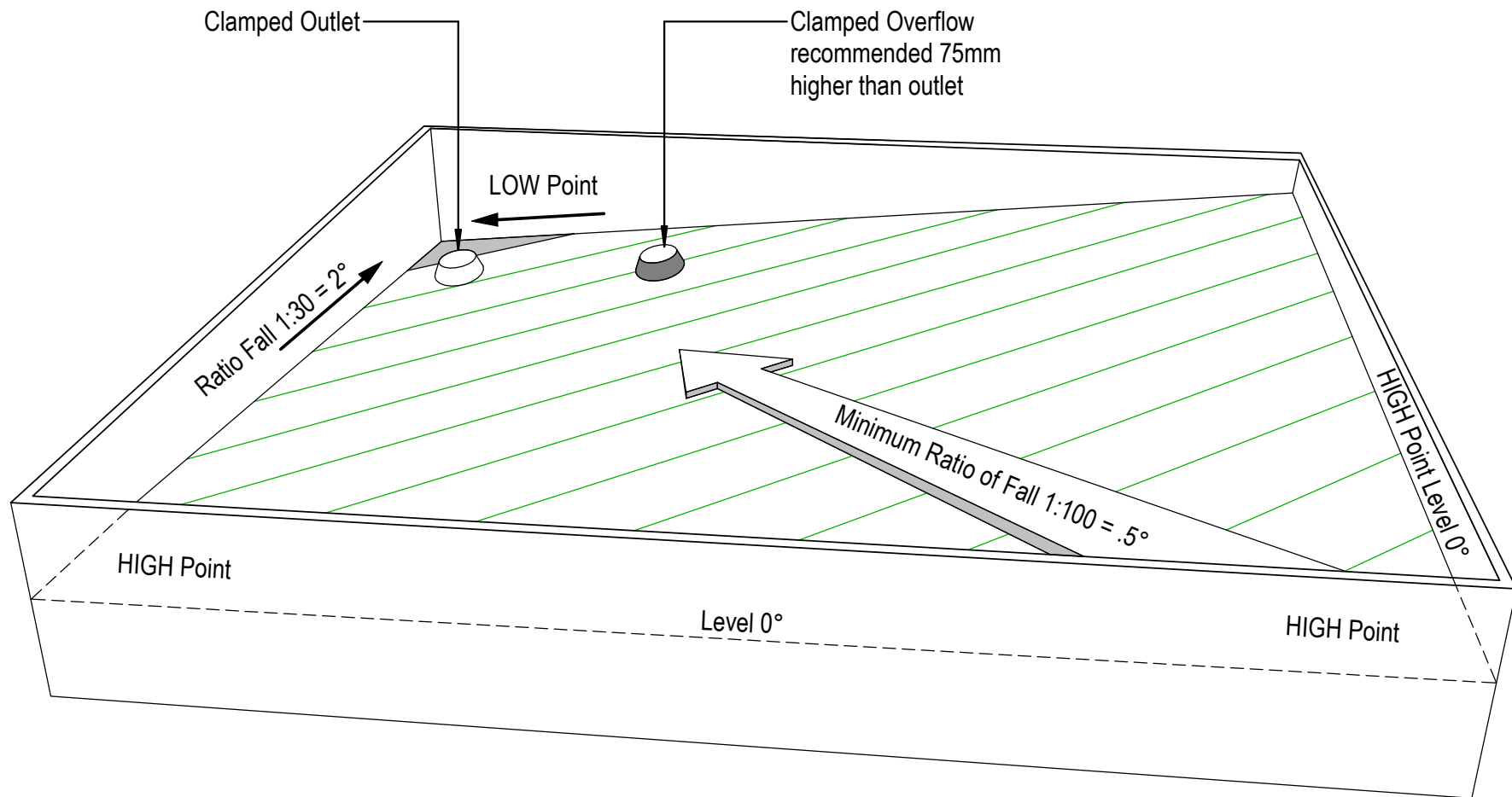


Enviroclad
systems are
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INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale			
Detail Ref:	VIK_ENV_000_INDEX001		



NOTE: For low risk design, Viking 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 Enviroclad
Best practice design in Membrane Roofing

NOTES:

* Angle fillets are not required at upstands for Enviroclad
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Enviroclad systems are CodeMarked

DRAWING

INFORMATION ONLY

Scale:
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Date:

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Viking

Detail Ref:

VIK_ENV_000_NOTES001

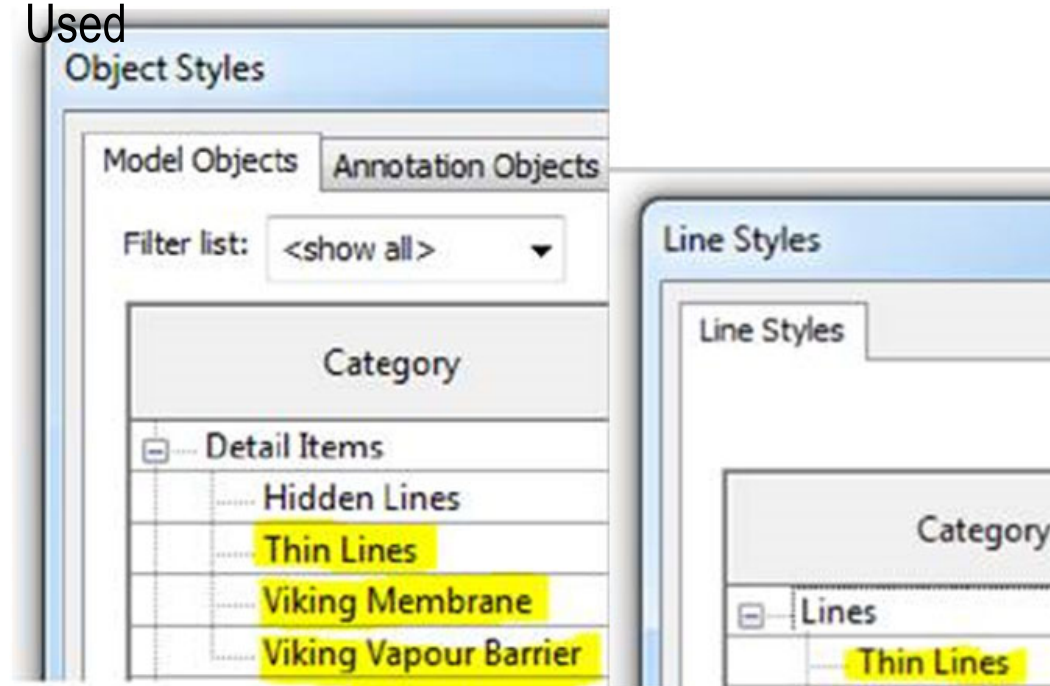
Viking Details - Revit Notes

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



DRAWING TITLE

Viking Enviroclad
Revit Notes

NOTES:

* Angle fillets are not required at upstands for Enviroclad
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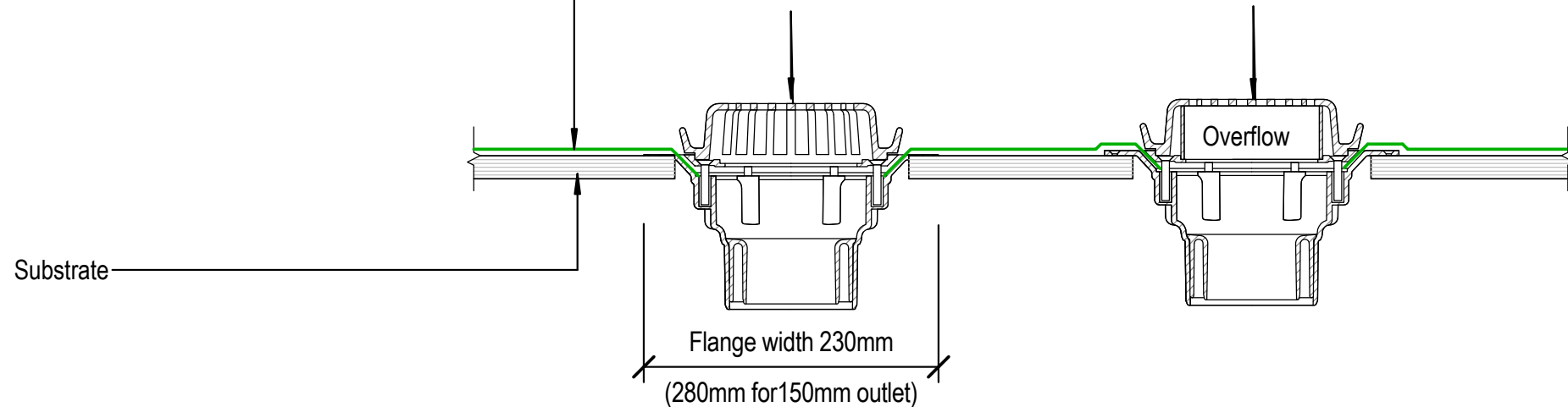
INFORMATION ONLY

Scale: Not to Scale	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_000_NOTES002			

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

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

Viking Roofspec 80mmØ clamped overflow 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

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

DRAWING TITLE

Viking Enviroclad
Penetration_Outlet and Overflow

NOTES:

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



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Enviroclad systems are CodeMarked

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INFORMATION ONLY

Scale:
Not to Scale

Date:

Drawn:

Viking

Detail Ref:

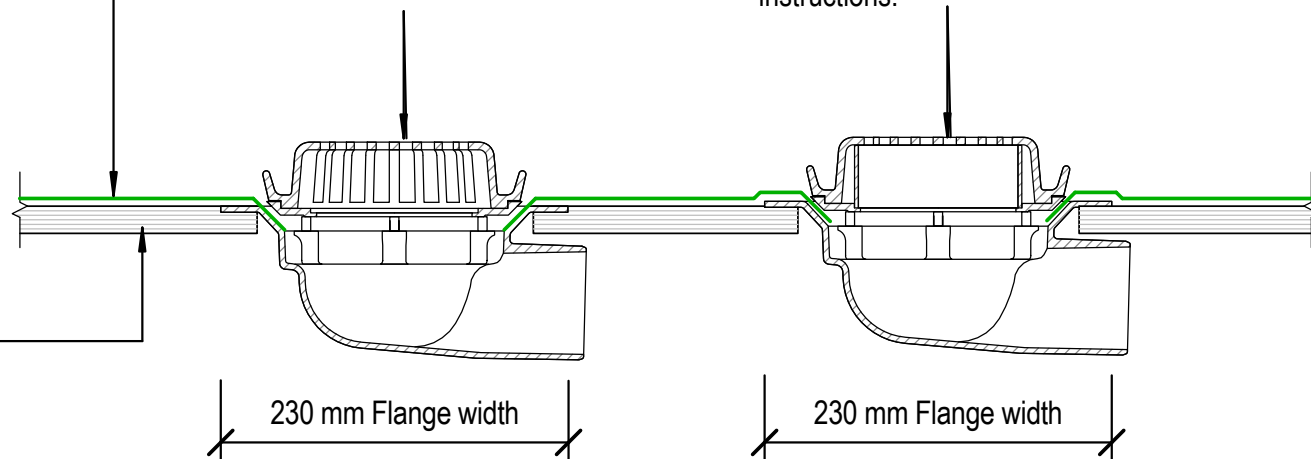
VIK_ENV_001_PENEOUTL

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

Viking Roofspec 80mmØ side exit clamped drain SDM055 with 304 S/S domed grate, installed as per manufacturers instructions.

Viking Roofspec 80mmØ side exit clamped overflow drain SDM055 with 304 S/S domed grate, installed as per manufacturers instructions.

Substrate



NOTE:

Substrate to comply with current Viking Roofspec Masterspec specification
Substrate Checksheet available from 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 Enviroclad
Penetration_Outlet and Overflow Side Exit

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:
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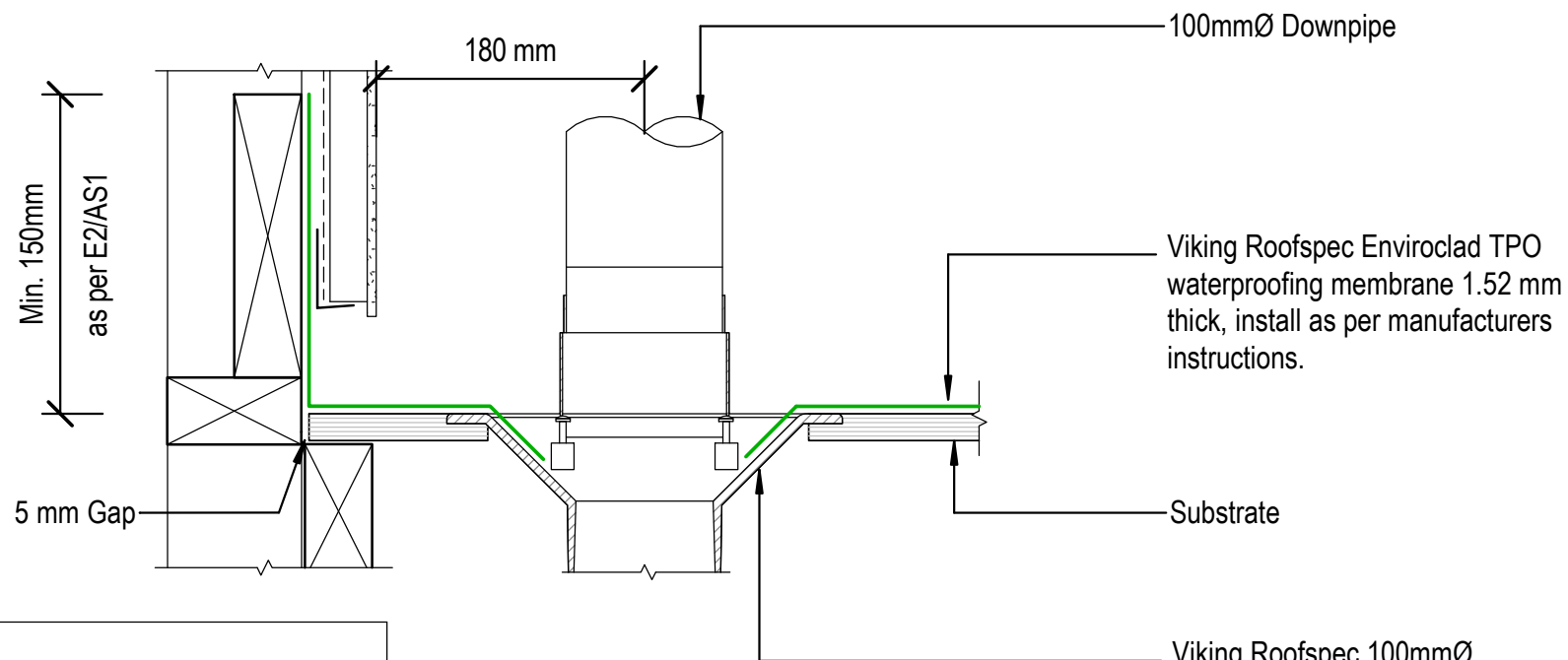
Date:

Drawn:

Viking

Detail Ref:

VIK_ENV_001A_PENEOUTL



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

DRAWING TITLE

Viking Enviroclad
Penetration_Balcony Drain 100mm

NOTES:

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upstands for Enviroclad
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indicative only unless notated.



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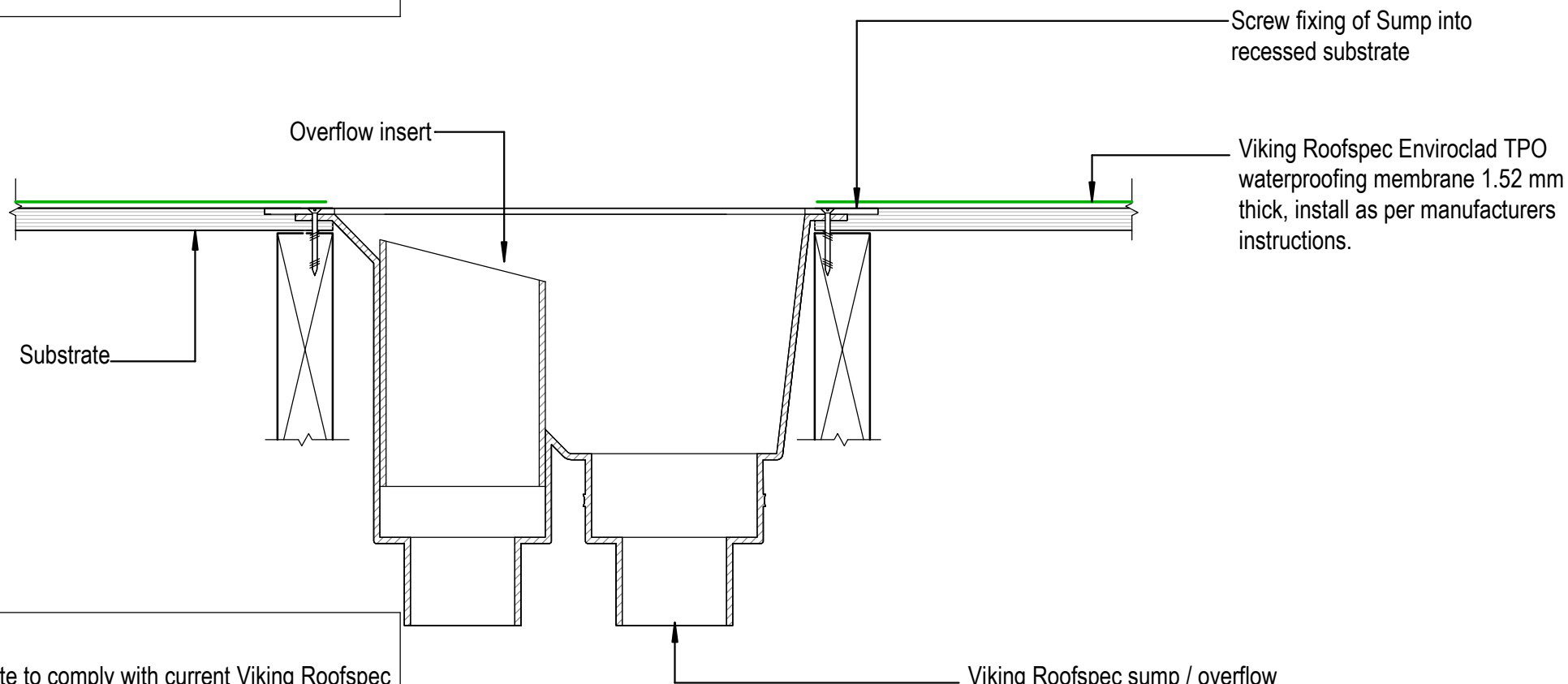
DRAWING

INFORMATION ONLY

Scale: Not to Scale	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_002A_PENEBALC			

Notes:

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



NOTE:

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

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

DRAWING TITLE

Viking Enviroclad
Penetration_Sump Outlet with Overflow

NOTES:

* Angle fillets are not required at upstands for Enviroclad
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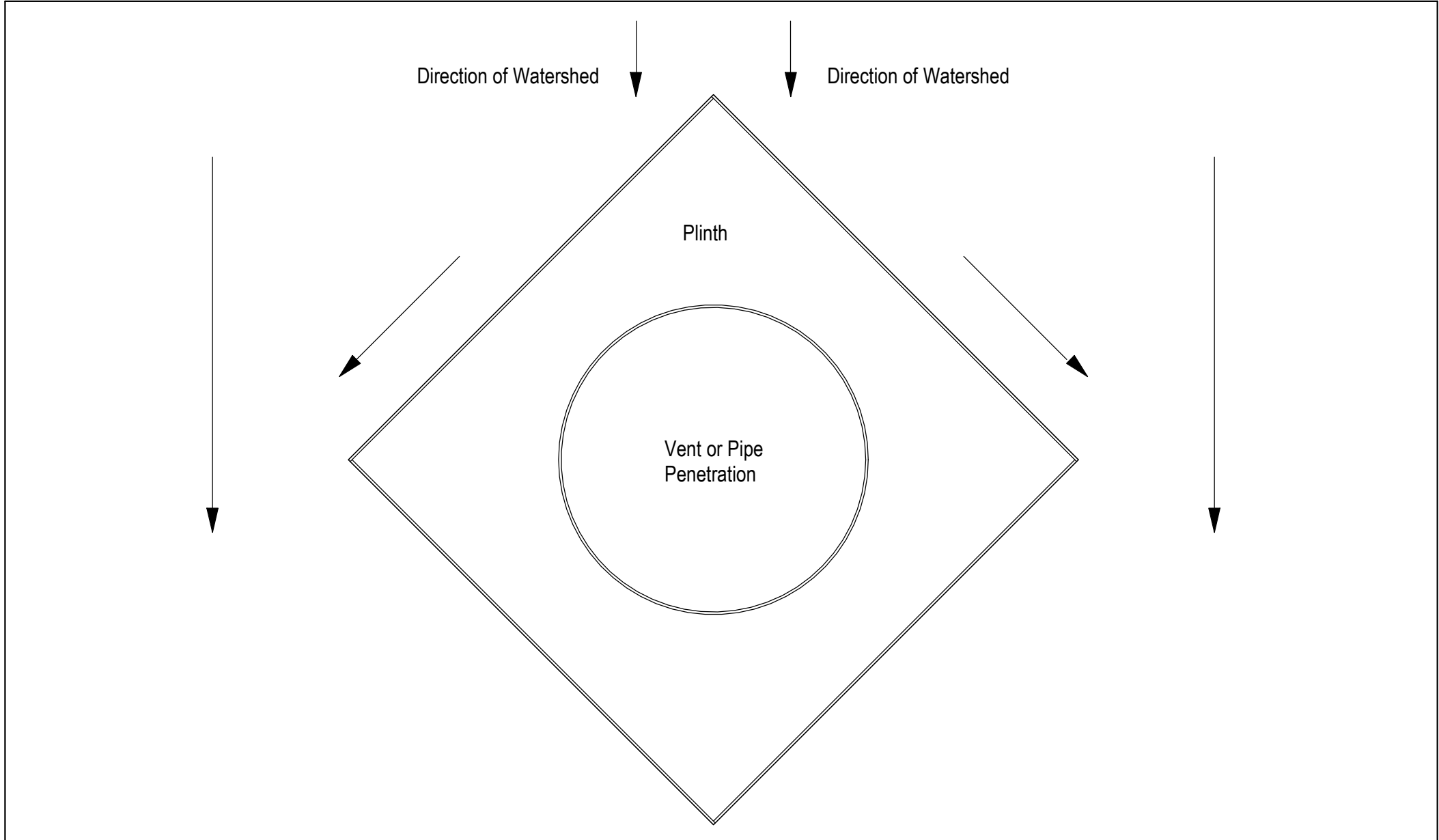


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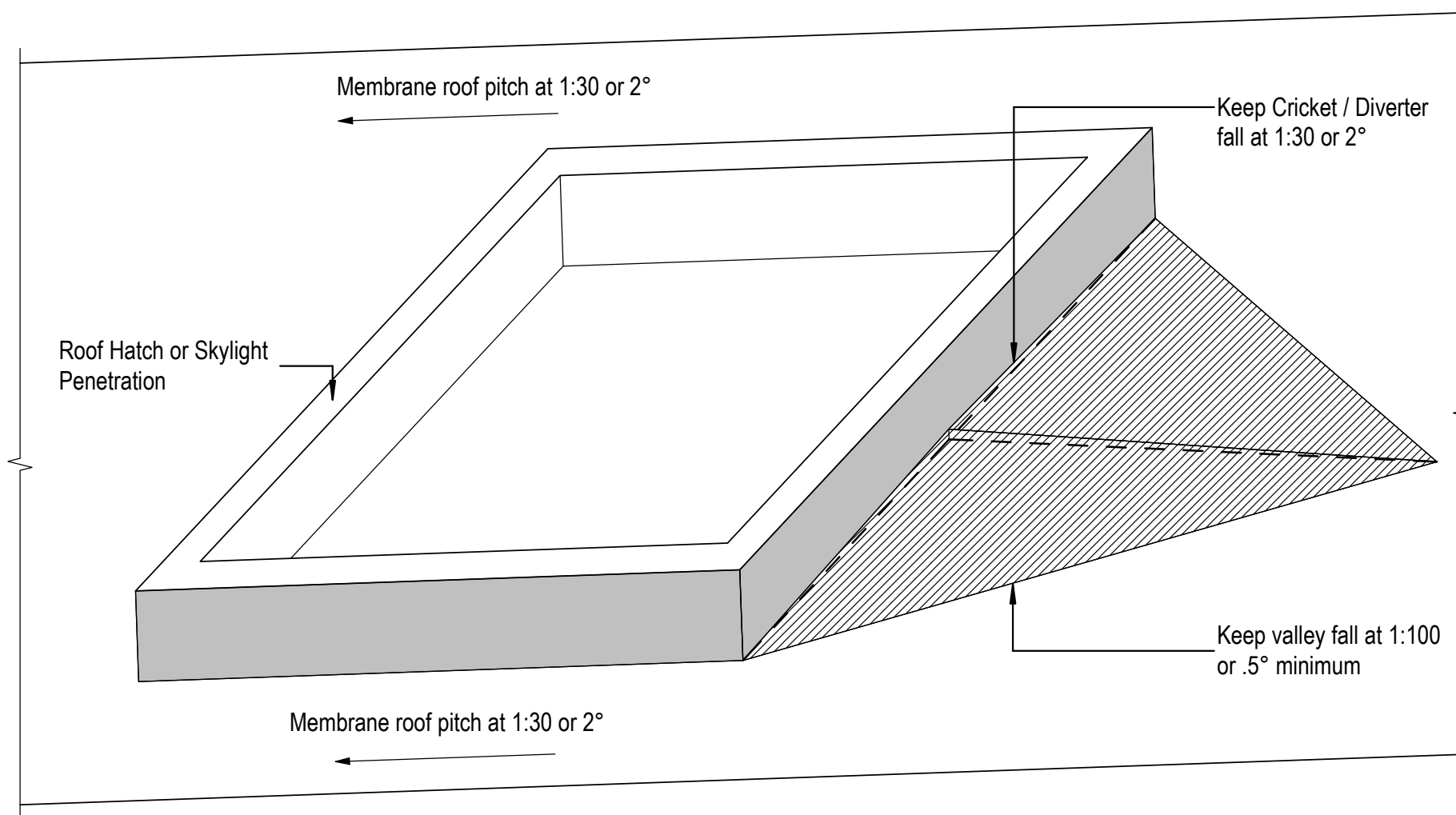
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref:			VIK_ENV_003_PENESUMP



 Viking Roofspec Taking care of detail	DRAWING TITLE		NOTES:		DRAWING INFORMATION ONLY			
	Viking Enviroclad Penetration_Plinth direction to divert watershed		* Angle fillets are not required at upstands for Enviroclad * All fixings, cladding and structure are indicative only unless notated.		 Enviroclad systems are CodeMarked Cert # GM-CM30058-RevC			
Scale:		Date:		Drawn:		Viking		
Not to Scale						Detail Ref: VIK_ENV_004_PENEPLIN		



DRAWING TITLE

Viking Enviroclad
Penetration_Cricket Diverter for watershed

NOTES:

* Angle fillets are not required at upstands for Enviroclad
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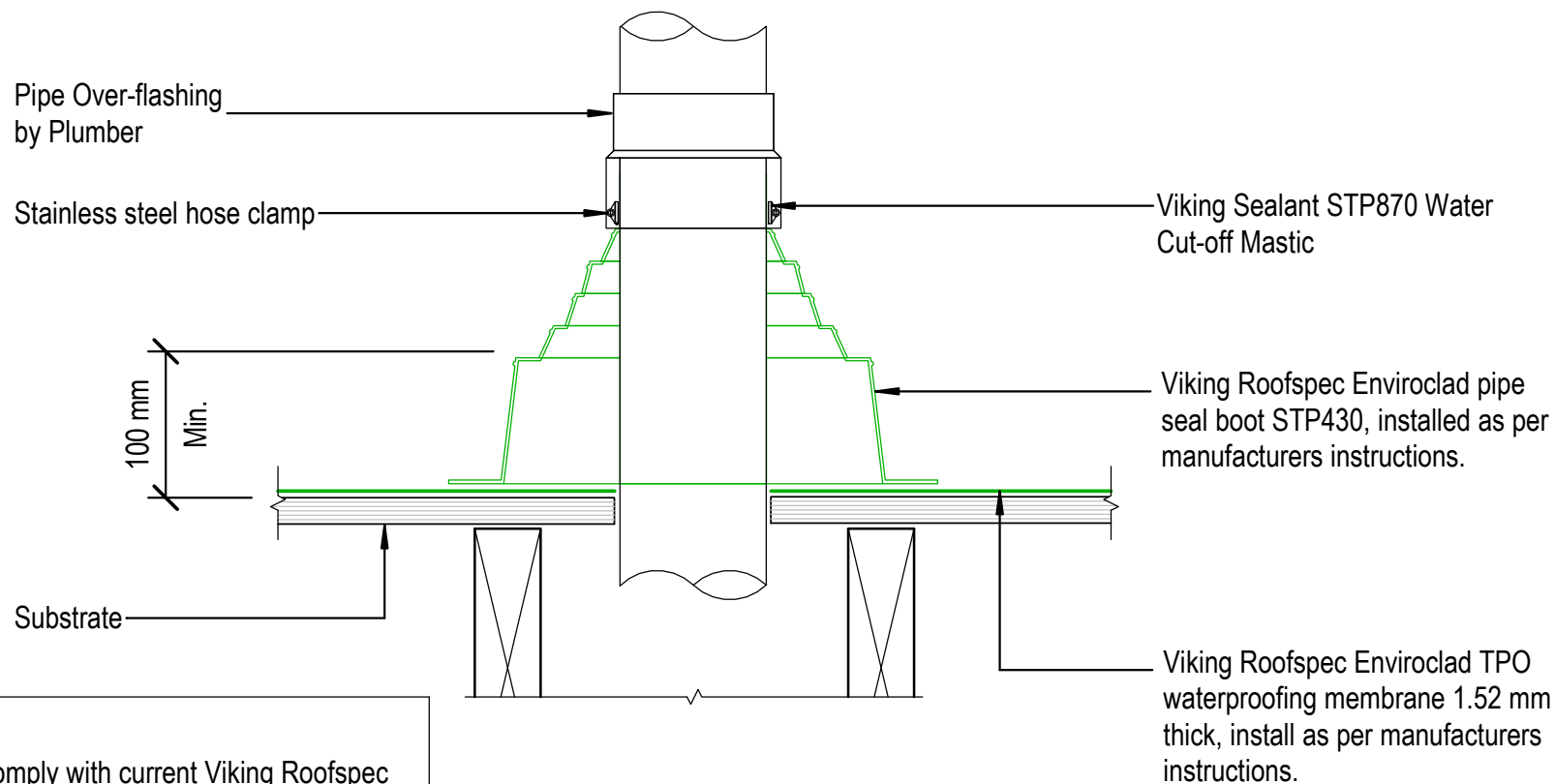
Cert # GM-CM30058-RevC

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Scale: Not to Scale	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_004A_PENECRIK			



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

DRAWING TITLE

Viking Enviroclad
 Penetration_Vertical pipe

NOTES:

* Angle fillets are not required at upstands for Enviroclad
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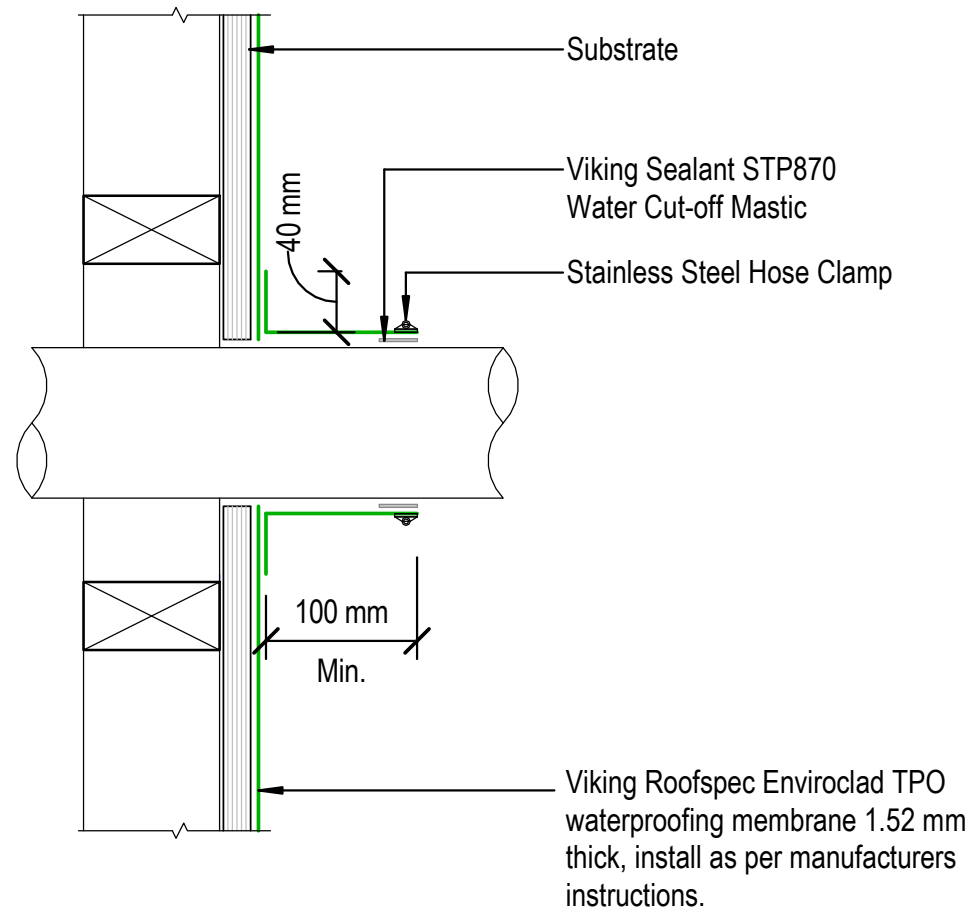
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Not to Scale			
Detail Ref: VIK_ENV_005_VERTPIPE			

NOTE:

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

NOTE:

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



DRAWING TITLE

Viking Enviroclad
Penetration_Horizontal pipe

NOTES:

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



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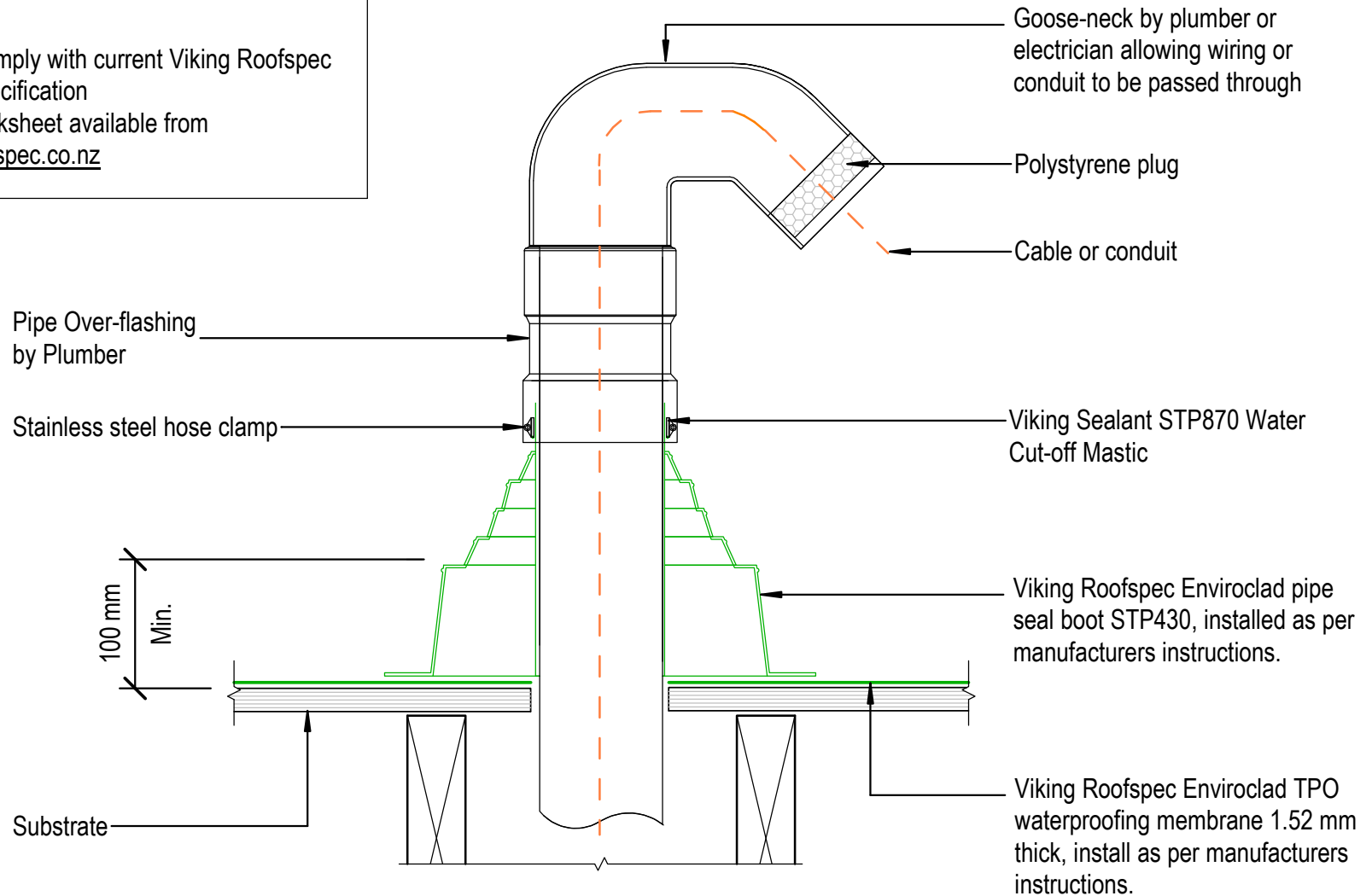
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_005A_HORPIPE			

NOTE:

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



DRAWING TITLE

Viking Enviroclad
Penetration_Vertical ducting pipe

NOTES:

* Angle fillets are not required at upstands for Enviroclad
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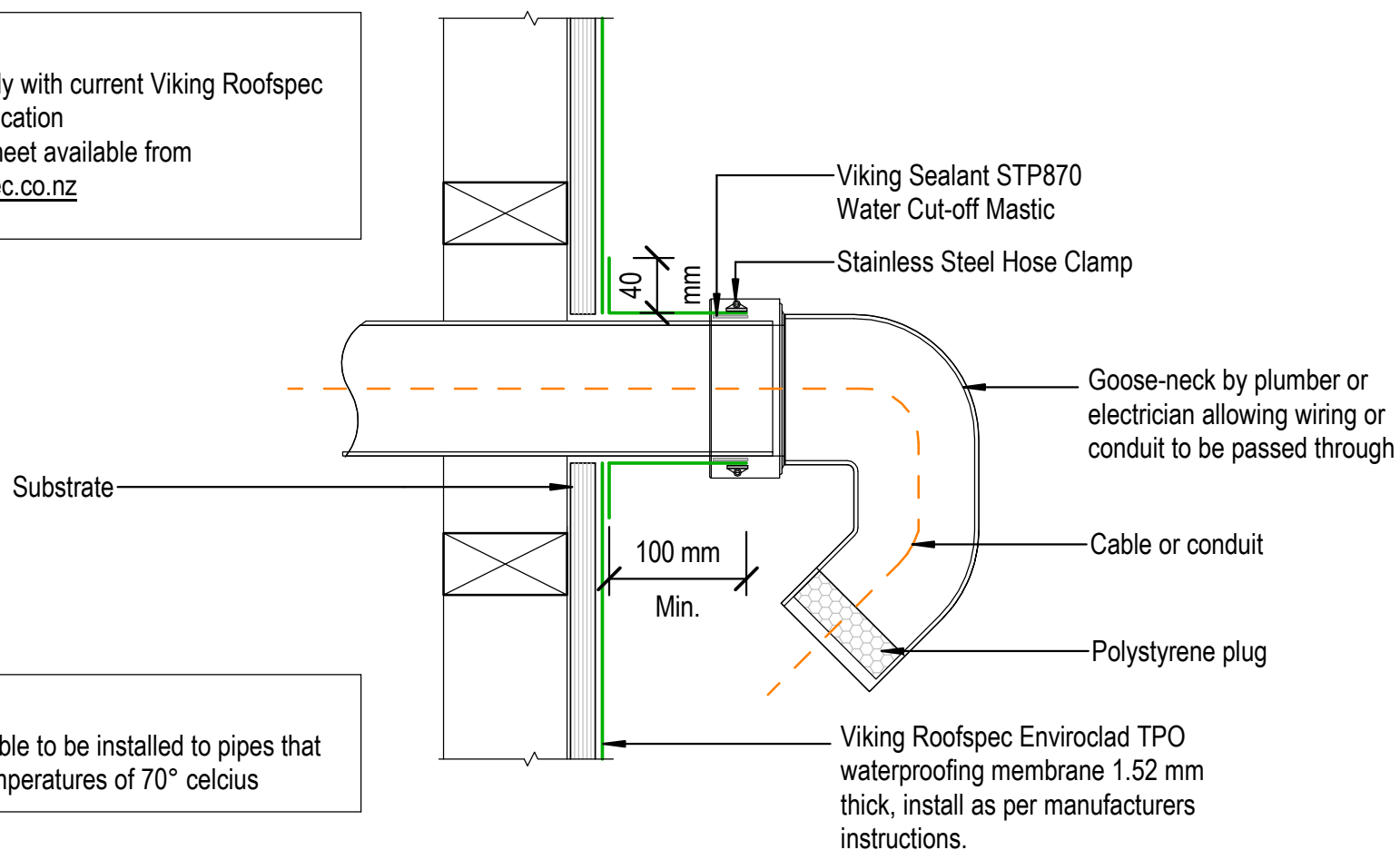
Viking

Detail Ref:

VIK_ENV_006_VERTDUCT

NOTE:

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



NOTE:

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

DRAWING TITLE

Viking Enviroclad
Penetration_Horizontal ducting pipe

NOTES:

* Angle fillets are not required at upstands for Enviroclad
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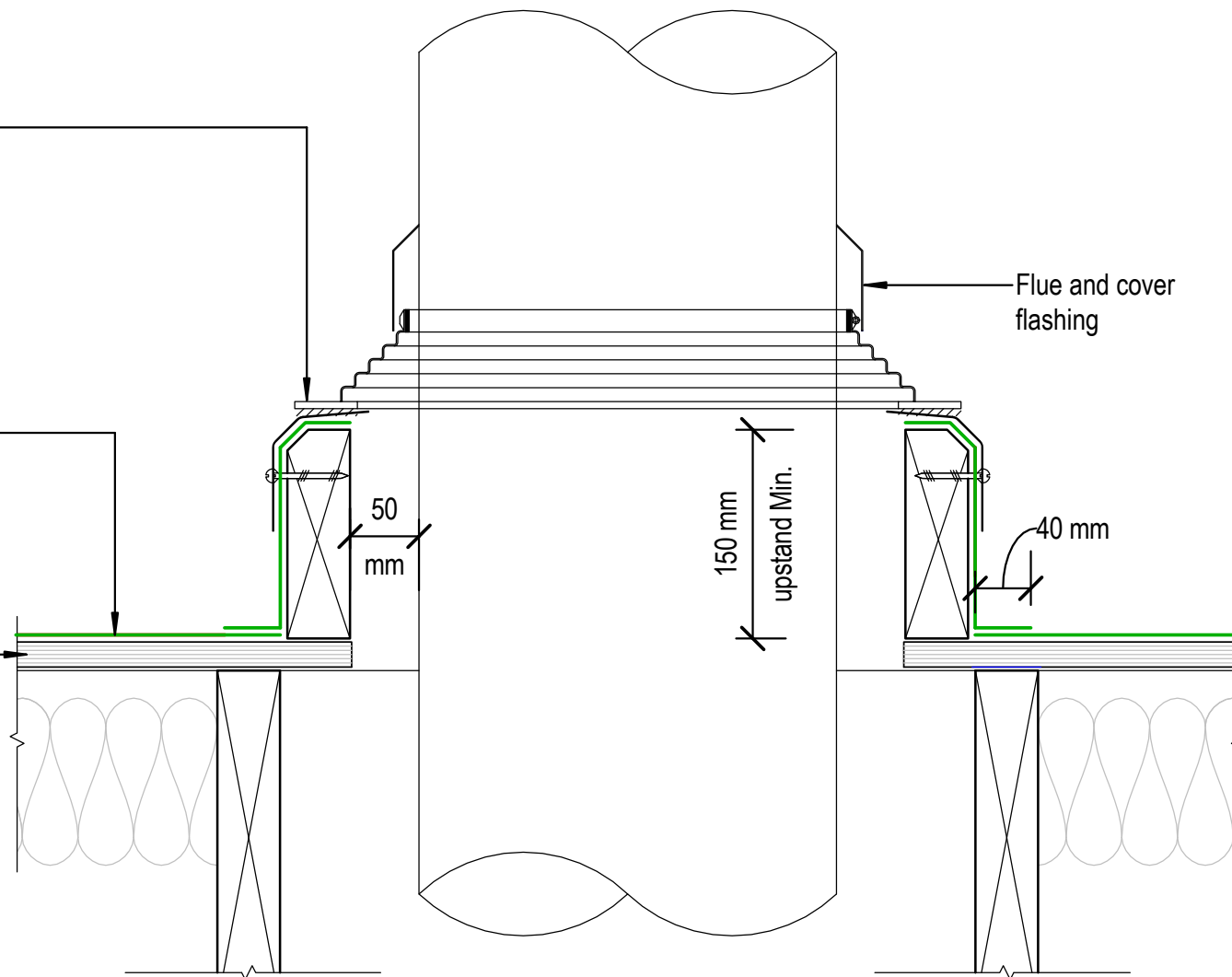
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Detail Ref: VIK_ENV_006A_HORIDUCT			

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

Viking Roofspec 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



DRAWING TITLE

Viking Enviroclad
Penetration_Flue or Oversize Pipe

NOTES:

* Angle fillets are not required at
upstands for Enviroclad
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indicative only unless notated.



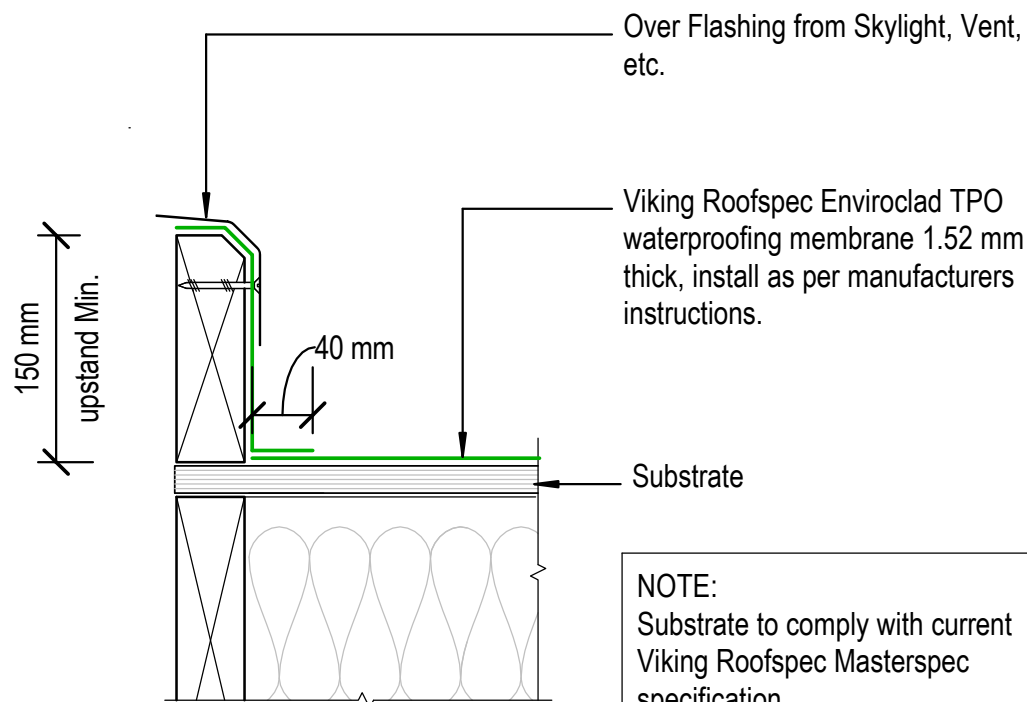
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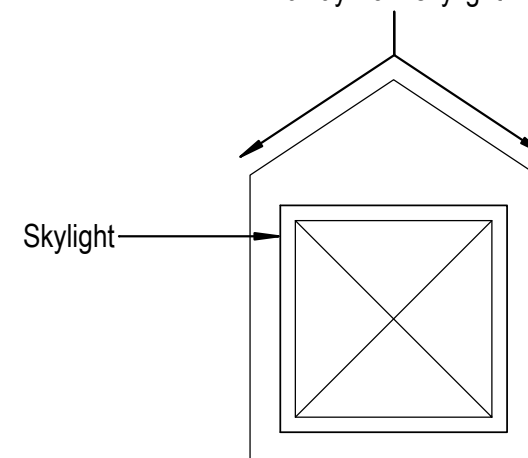
Scale: Not to Scale	Date:	Drawn:	Viking
Detail Ref:			VIK_ENV_007_PENEFLUE



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

NOTE:
Refer VEN04A

Divert watershed
away from skylight



DRAWING TITLE

Viking Enviroclad
Penetration_Skylight or Roof Access hatch

NOTES:

* Angle fillets are not required at
upstands for Enviroclad
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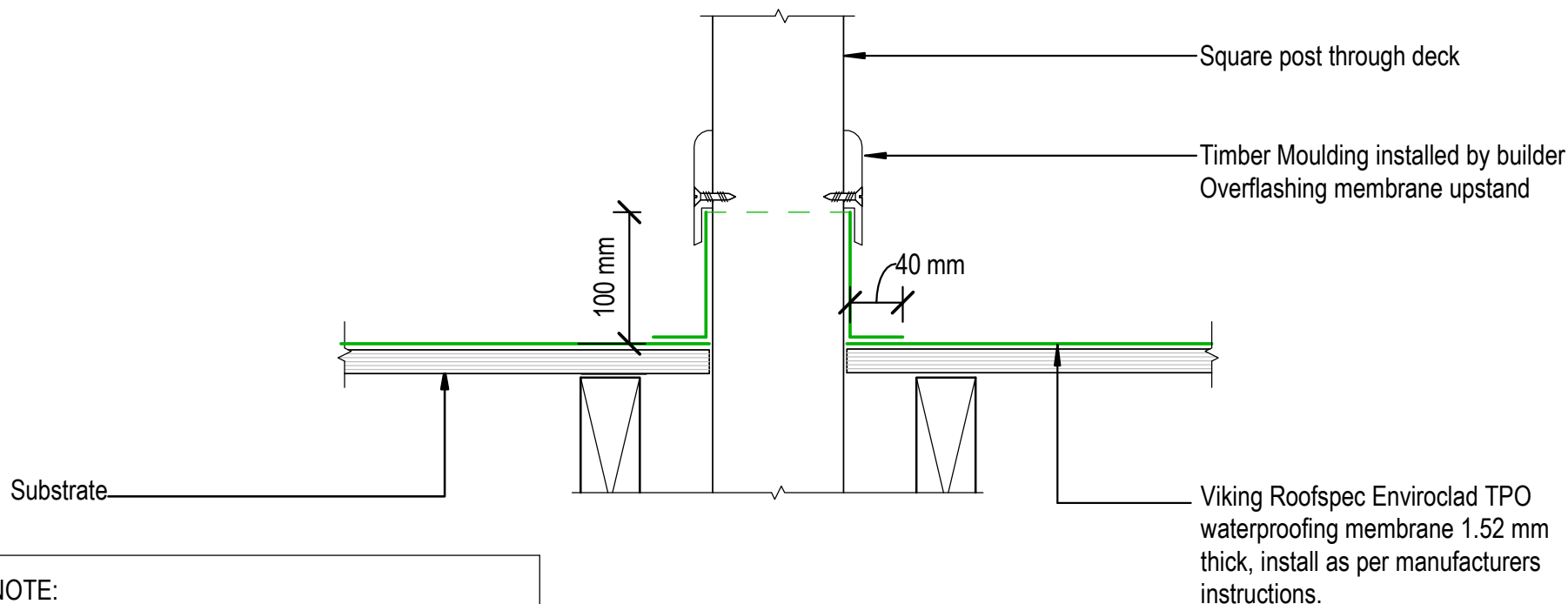
Date:

Drawn:

Viking

Detail Ref:

VIK_ENV_008_SKYLACCH



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

DRAWING TITLE

Viking Enviroclad
 Penetration_Square Post through decking

NOTES:

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 upstands for Enviroclad
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Viking

Detail Ref:

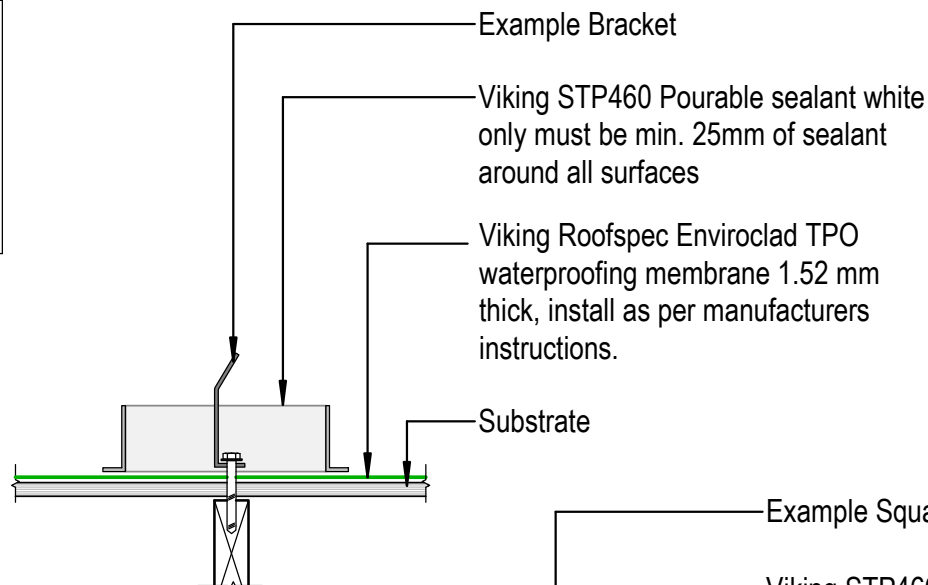
VIK_ENV_009_POSTDECK

NOTE:

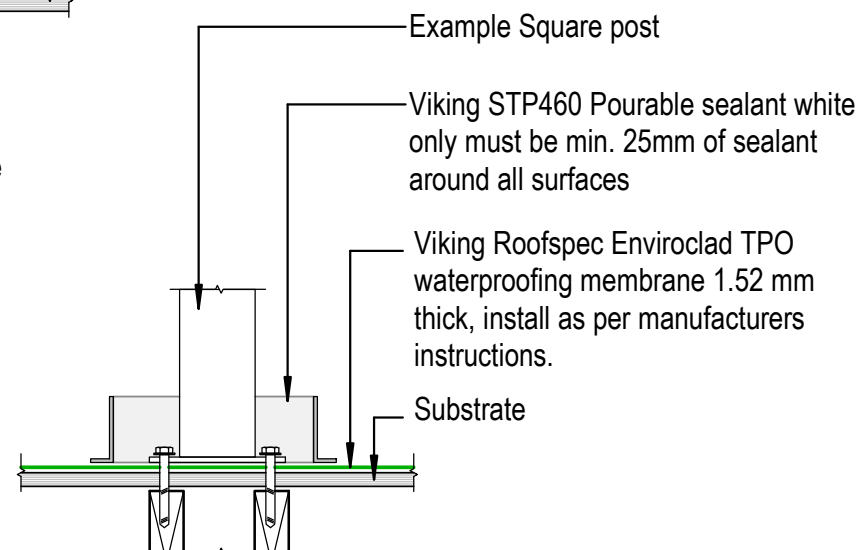
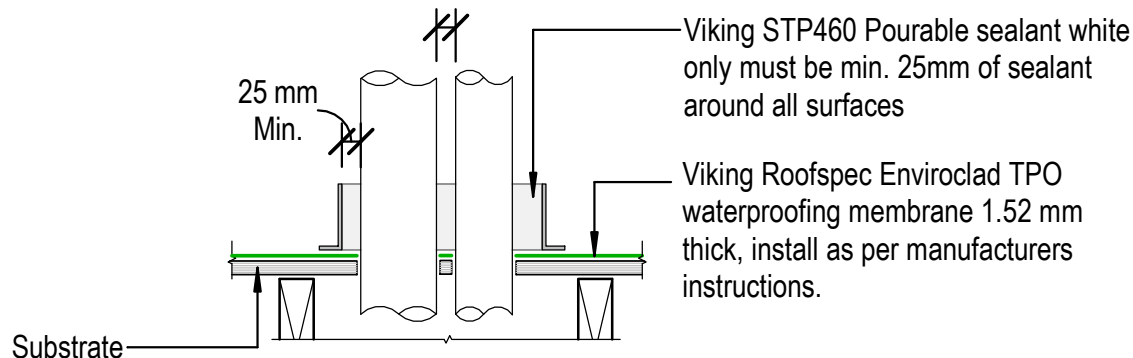
A Solution for very difficult shaped penetrations.

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 Viking Roofspec for advice



Multiple penetrations
must be Min. 25mm apart



NOTE:

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

DRAWING TITLE

Viking Enviroclad
Penetration_TPO Pourable pocket and sealant

NOTES:

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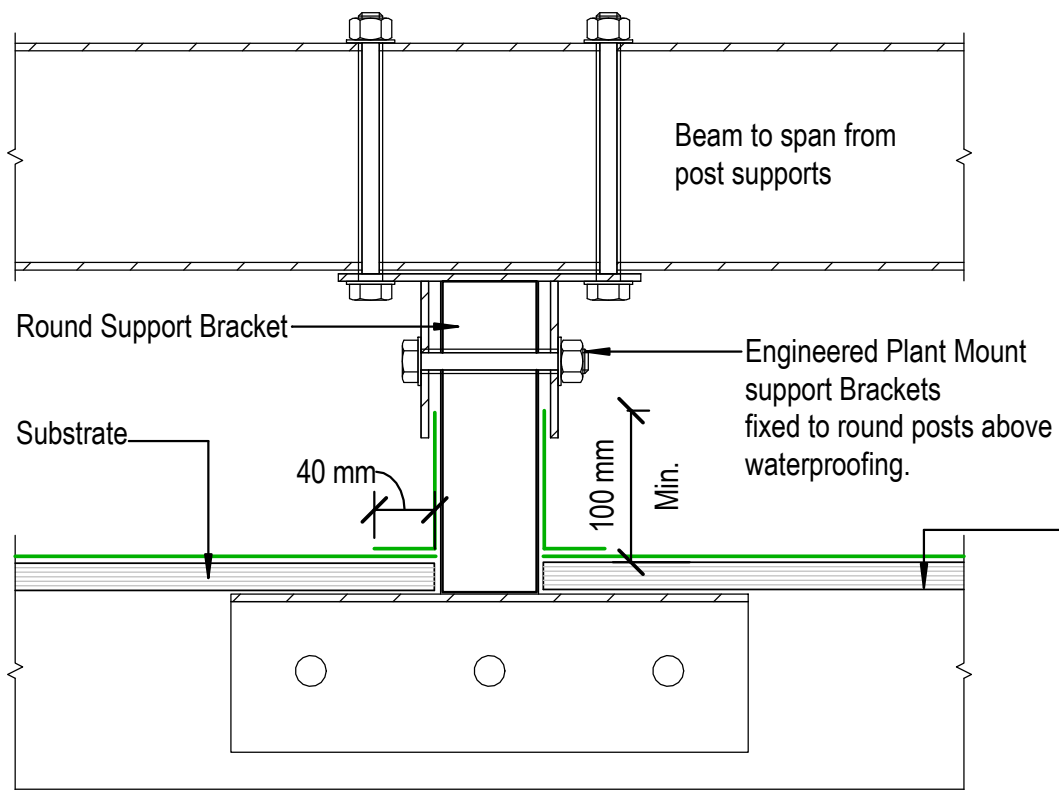
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Viking

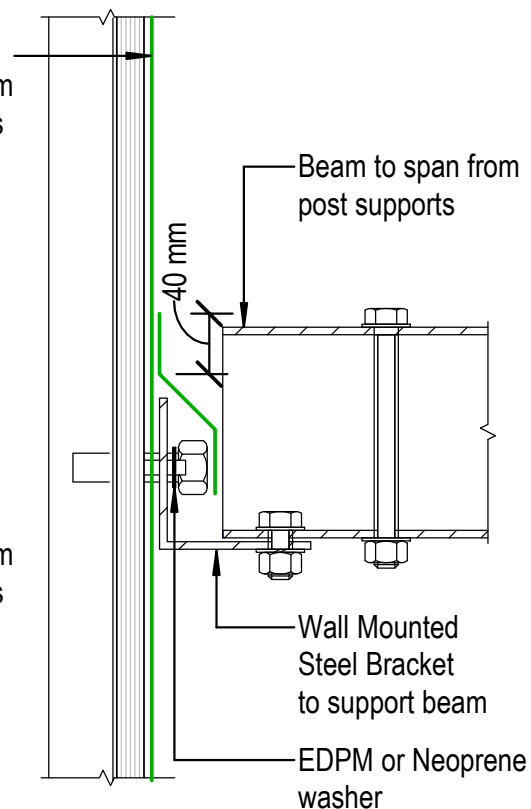
VIK_ENV_010_PENETPO



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

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

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



Wall Mounted Bracket

Viking Roofspec
Taking care of detail

Viking Enviroclad
Penetration_Post or Rail for Plant Room equipment

NOTES:

* Angle fillets are not required at upstands for Enviroclad
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Enviroclad systems are CodeMarked

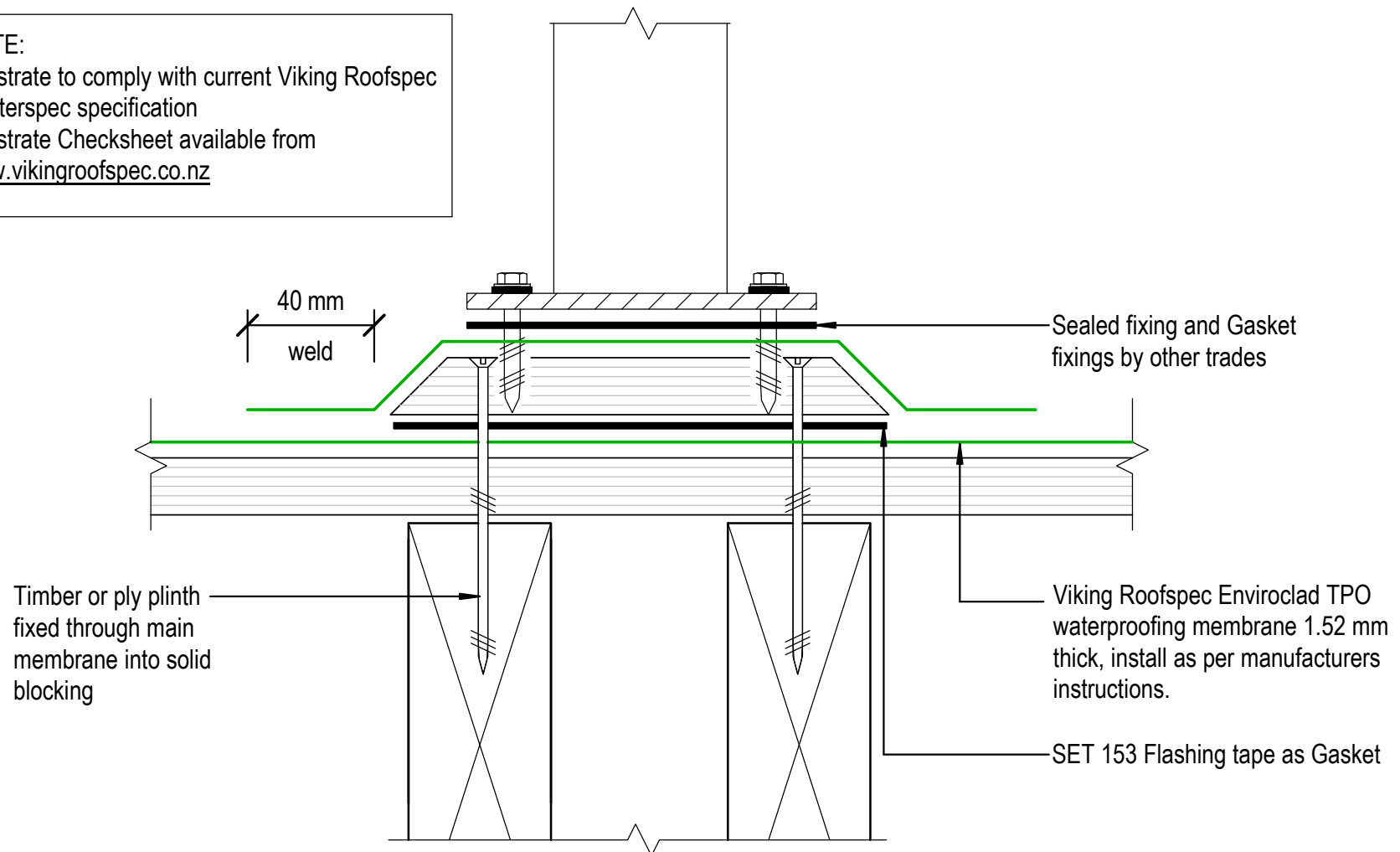
DRAWING

INFORMATION ONLY

Scale: Not to Scale	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_011_PENEPOST			

NOTE:

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



DRAWING TITLE

Viking Enviroclad
Penetration_Plinth base for Balustrade

NOTES:

* Angle fillets are not required at upstands for Enviroclad
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Cert # GM-CM30058-RevC

Enviroclad
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DRAWING

INFORMATION ONLY

Scale: Not to Scale	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_012_PENEPLIN			

NOTE:

Substrate to comply with current Viking Roofspec Masterspec specification
Substrate Checksheet available from
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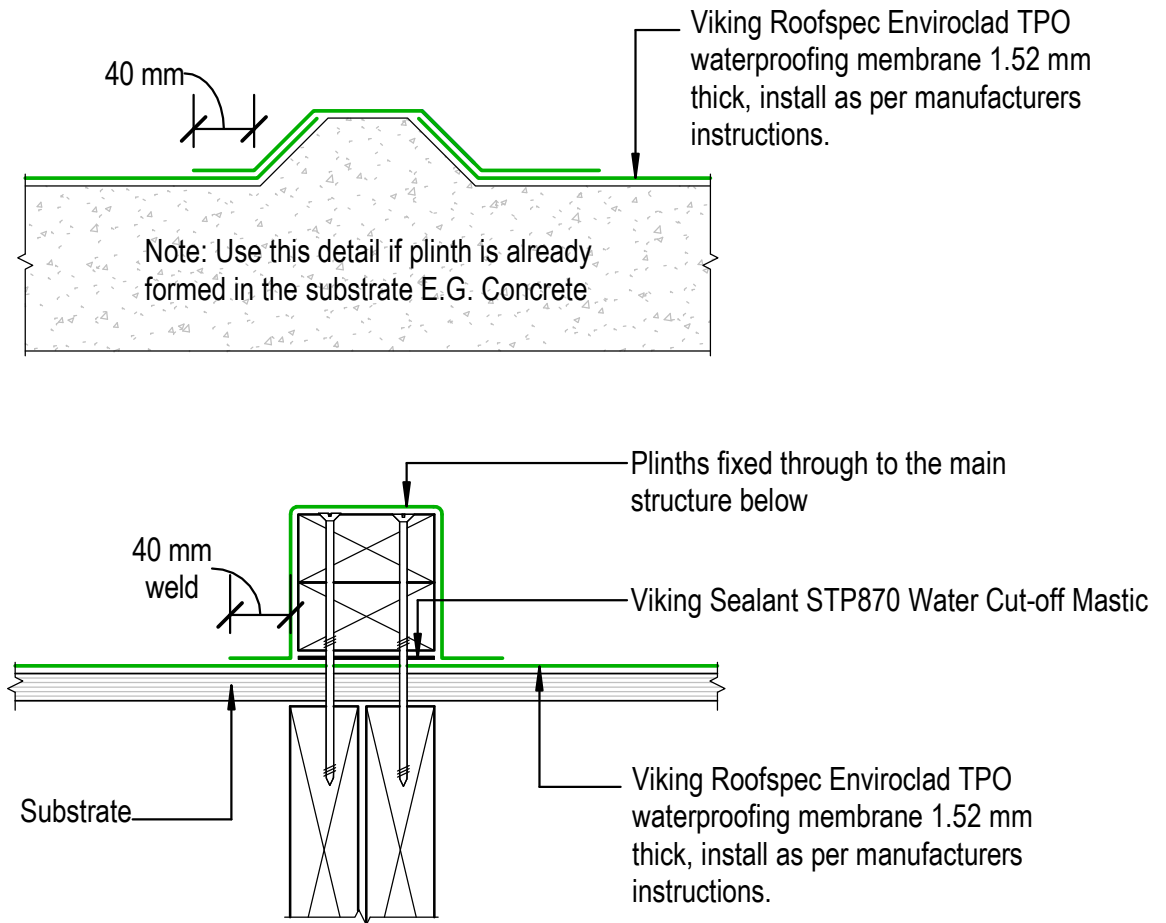
NOTE:

Consider Viking Detail VTO11 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.



DRAWING TITLE

Viking Enviroclad
Penetration_Plinth for concrete or timber

NOTES:

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



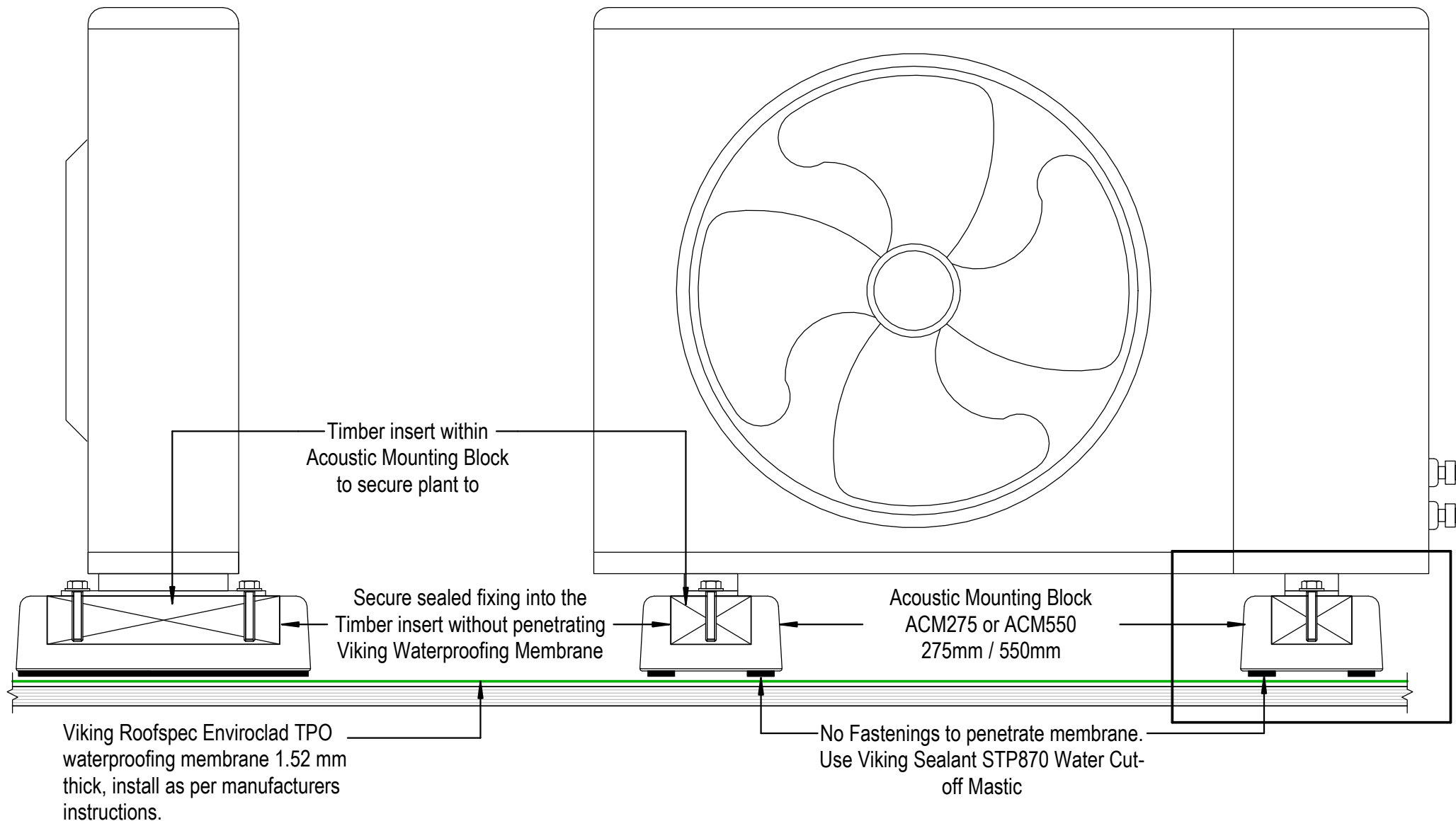
CodeMark
Cert # GM-CM30058-RevC

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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_013_PENEPLIN			



DRAWING TITLE

Viking 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.



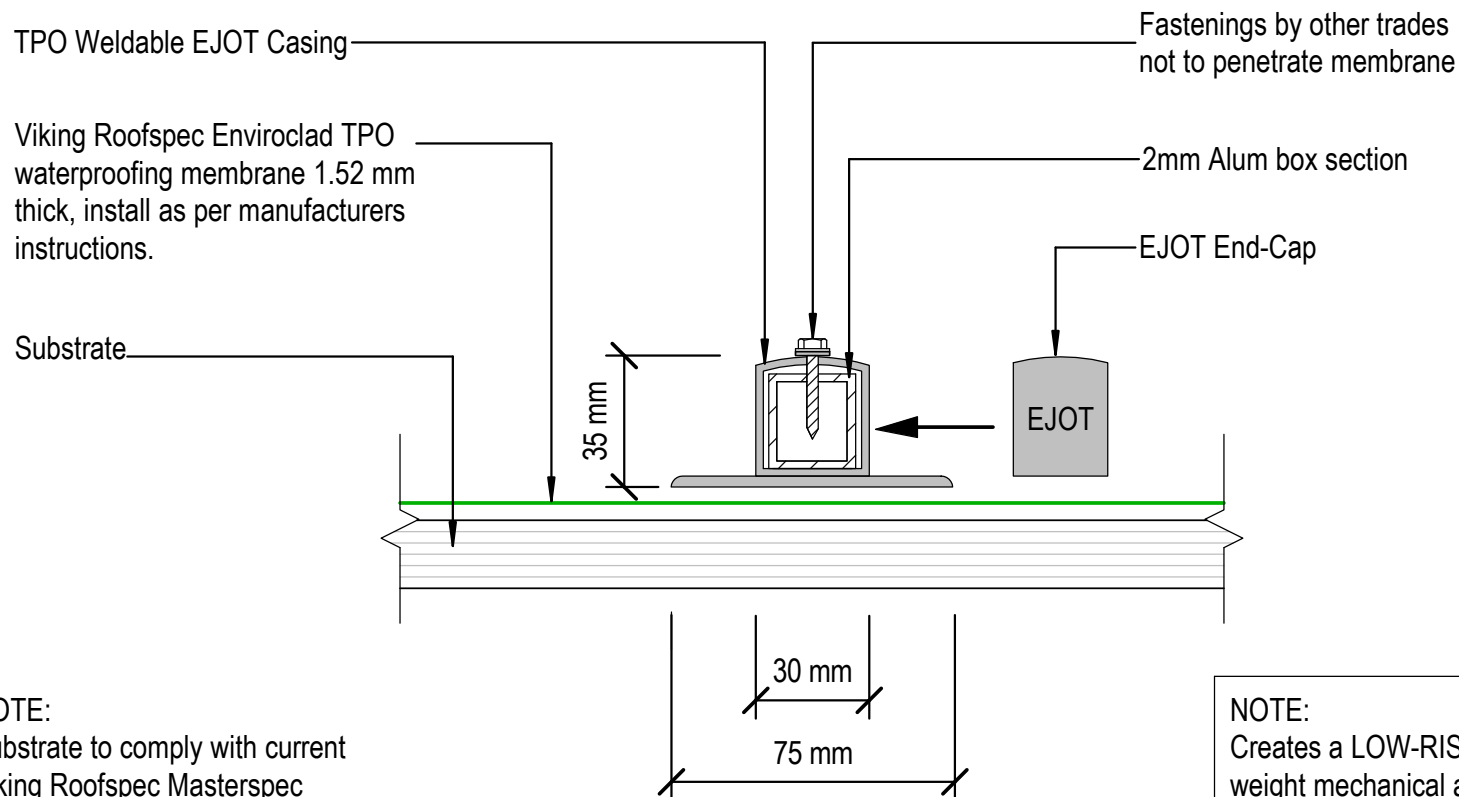
CODEMARK[®]
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Enviroclad
systems are
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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale			
Detail Ref:	VIK_ENV_014_PENEACOU		



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

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

DRAWING TITLE

Viking Enviroclad
Penetration_EJOT Plinth for Enviroclad

NOTES:

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



Cert # GM-CM30058-RevC

Enviroclad
systems are
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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref:			VIK_ENV_015_PEENEJOT

NOTE:

Ensure cross-ventilation within the roof structure
E.G. use of a Castellated Batten directly under the
Ply substrate or drill 20mm holes at top of timber
supports

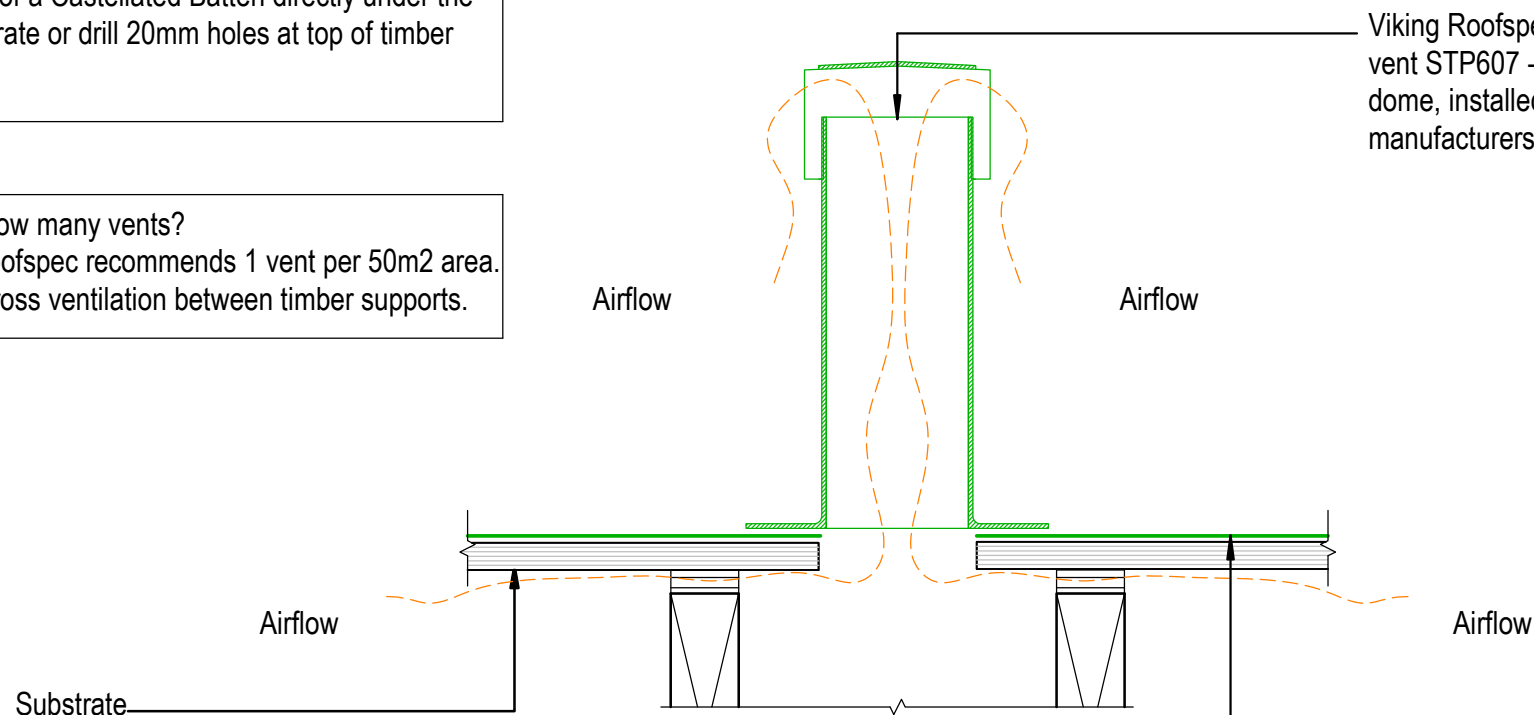
NOTE: How many vents?

Viking Roofspec recommends 1 vent per 50m² area.
Ensure cross ventilation between timber supports.

NOTE:

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

Viking Roofspec 310mm high roof
vent STP607 - grey with black
dome, installed as per
manufacturers instructions.



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

NOTE: Venting not required if
specifying Viking WarmRoof or
WarmSpan systems

DRAWING TITLE

Viking Enviroclad
Ventilation_Cavity Vent

NOTES:

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



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Enviroclad
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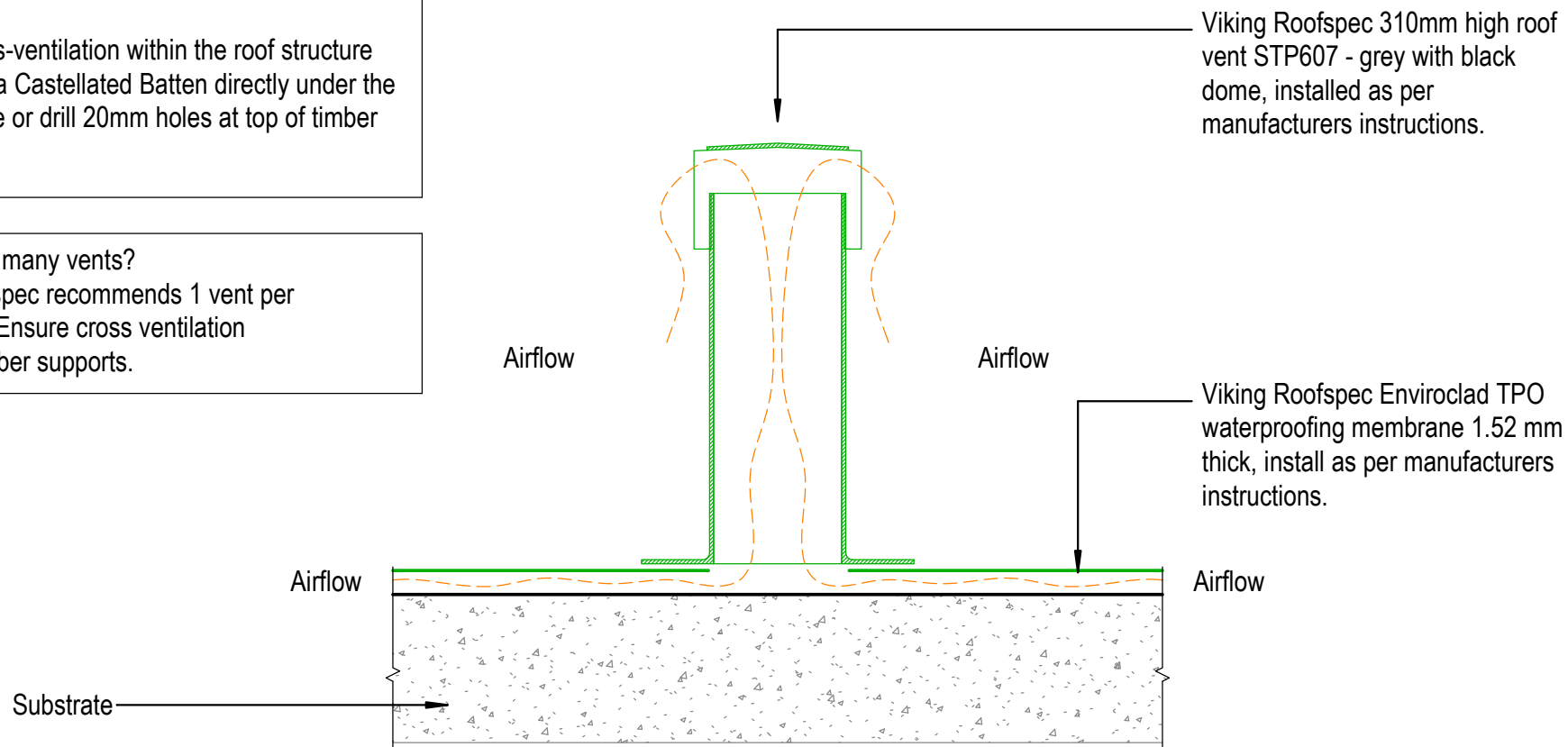
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_020_VENTCAVI			

NOTE:
Ensure cross-ventilation within the roof structure
E.G. use of a Castellated Batten directly under the
Ply substrate or drill 20mm holes at top of timber
supports

NOTE: How many vents?
Viking Roofspec recommends 1 vent per
50m² area. Ensure cross ventilation
between timber supports.



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

NOTE: Venting not required if specifying
Viking WarmRoof or WarmSpan systems

DRAWING TITLE

Viking Enviroclad
Ventilation_Substrate Roof vent for concrete

NOTES:

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



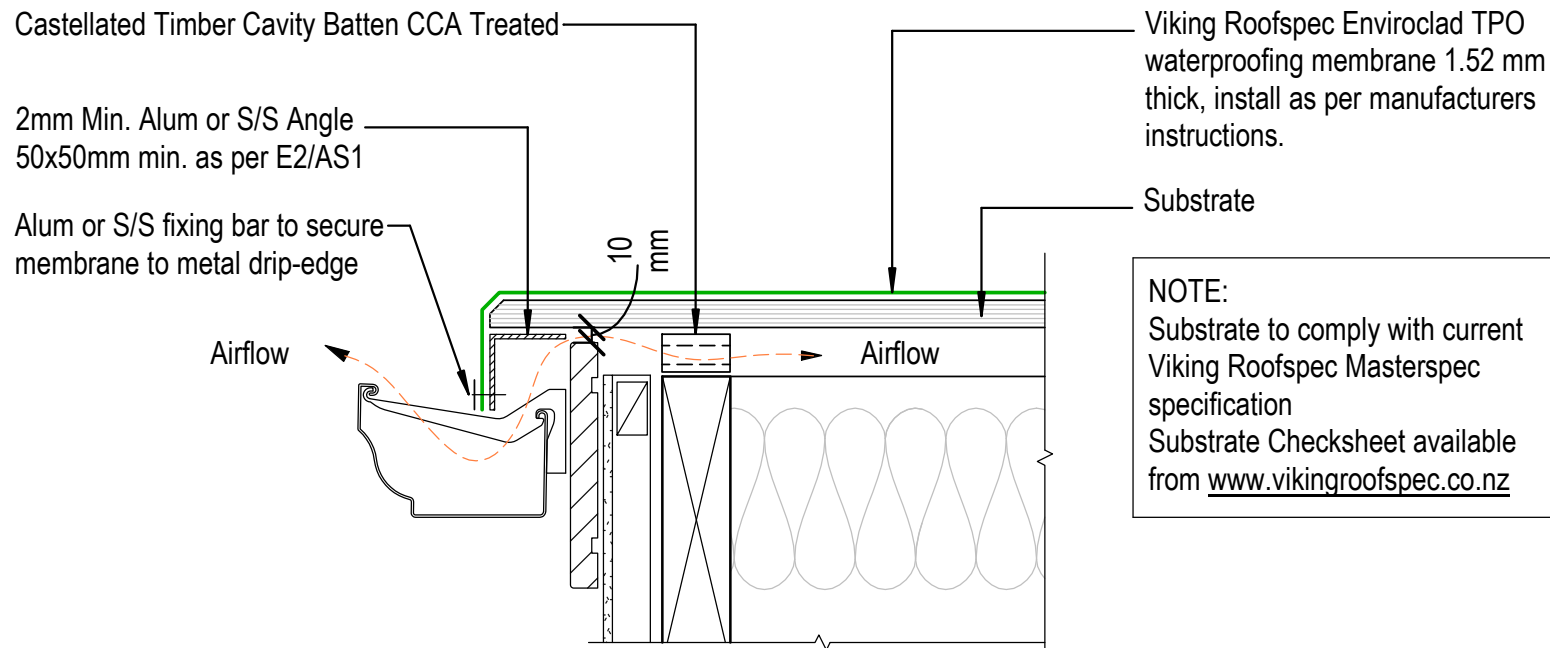
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INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_020A_VENTROOF			



NOTE:
E2.3.5 Concealed spaces and cavities in buildings must be constructed in a way that prevents external moisture being accumulated or transferred and causing condensation, fungal growth, or the degradation of building elements

NOTE: VENTING
Alternatively vent through Soffit or through top of roof with
Viking Cavity Vents

DRAWING TITLE

Viking Enviroclad
Ventilation_Cavity vent at Drip edge

NOTES:

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

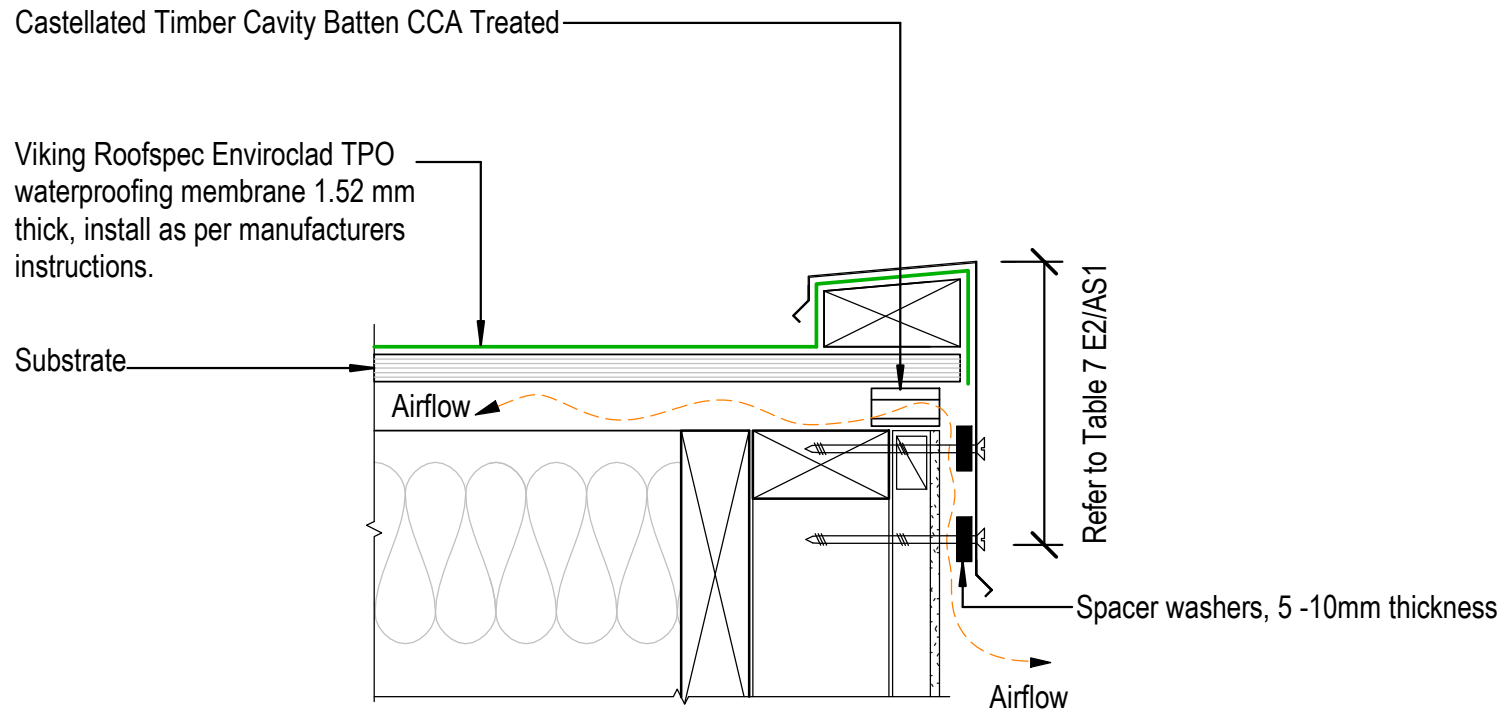


Enviroclad
systems are
CodeMarked

DRAWING

INFORMATION ONLY

Scale: Not to Scale	Date:	Drawn:	Viking
Detail Ref:			VIK_ENV_021_VENTDRIP



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

NOTE: VENTING
 Alternatively vent through Soffit or through
 top of roof with Viking Cavity Vents

DRAWING TITLE

Viking Enviroclad
 Ventilation_Cavity vent at Parapet

NOTES:

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



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INFORMATION ONLY

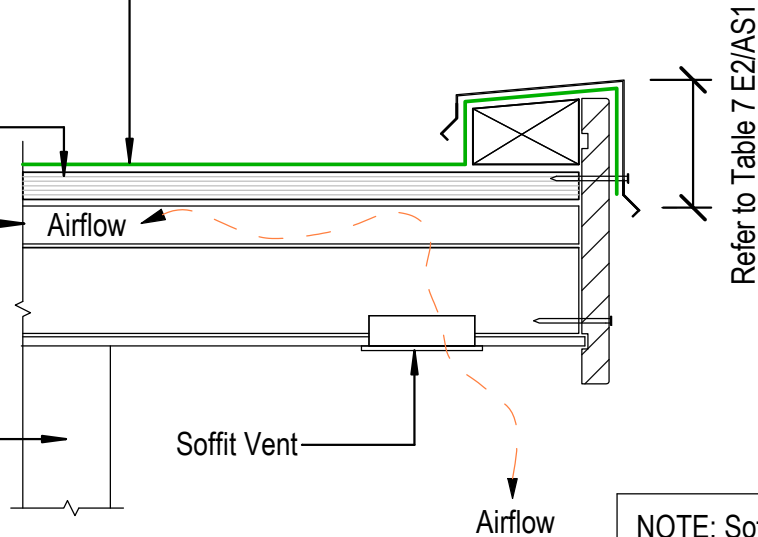
Scale:	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_021A_VENTPAPA			

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

Substrate

Castellated Timber Cavity Batten CCA Treated for cross ventilation between substrate and insulation

Selected exterior cladding installed as per manufactures specifications



Refer to Table 7 E2/AS1

Soffit Vent

Airflow

NOTE: Soffit Vents may be louvre vents or others

NOTE: VENTING
Alternatively vent through Soffit or through top of roof with Viking Cavity Vents

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

DRAWING TITLE

Viking Enviroclad
Ventilation_Cavity vent through Soffit

NOTES:

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



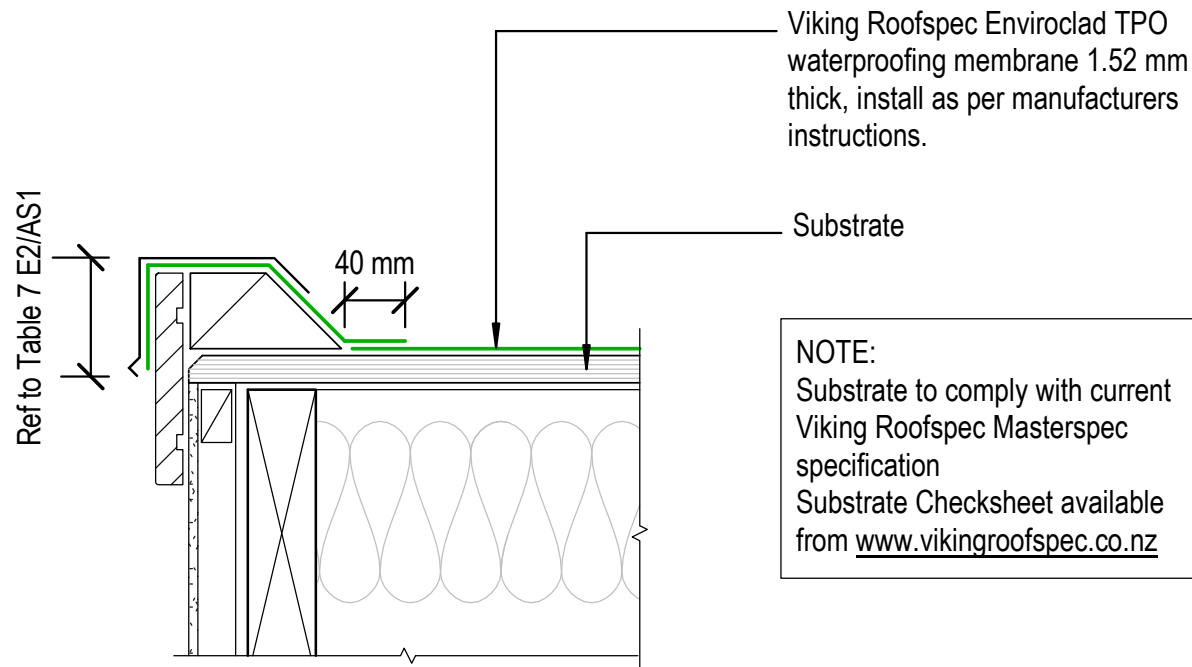
Enviroclad systems are CodeMarked

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_021B_VENTSOFF			





DRAWING TITLE

Viking Enviroclad
Verge_Barge

NOTES:

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

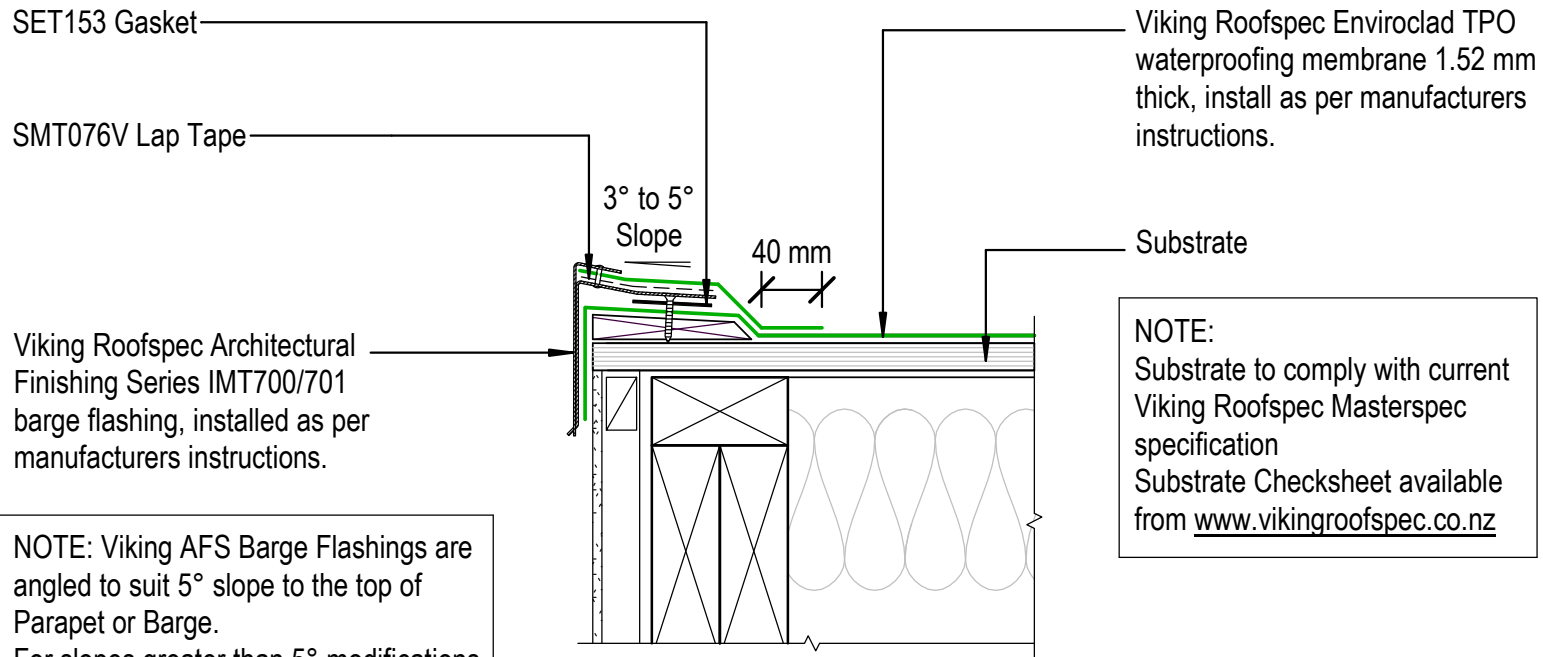


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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_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 Viking Roofs spec.

DRAWING TITLE

Viking 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 notated.



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systems are
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DRAWING

INFORMATION ONLY

Scale: Not to Scale	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_031_VERGBARG			

Viking Roofs spec
Viking
Taking care of detail

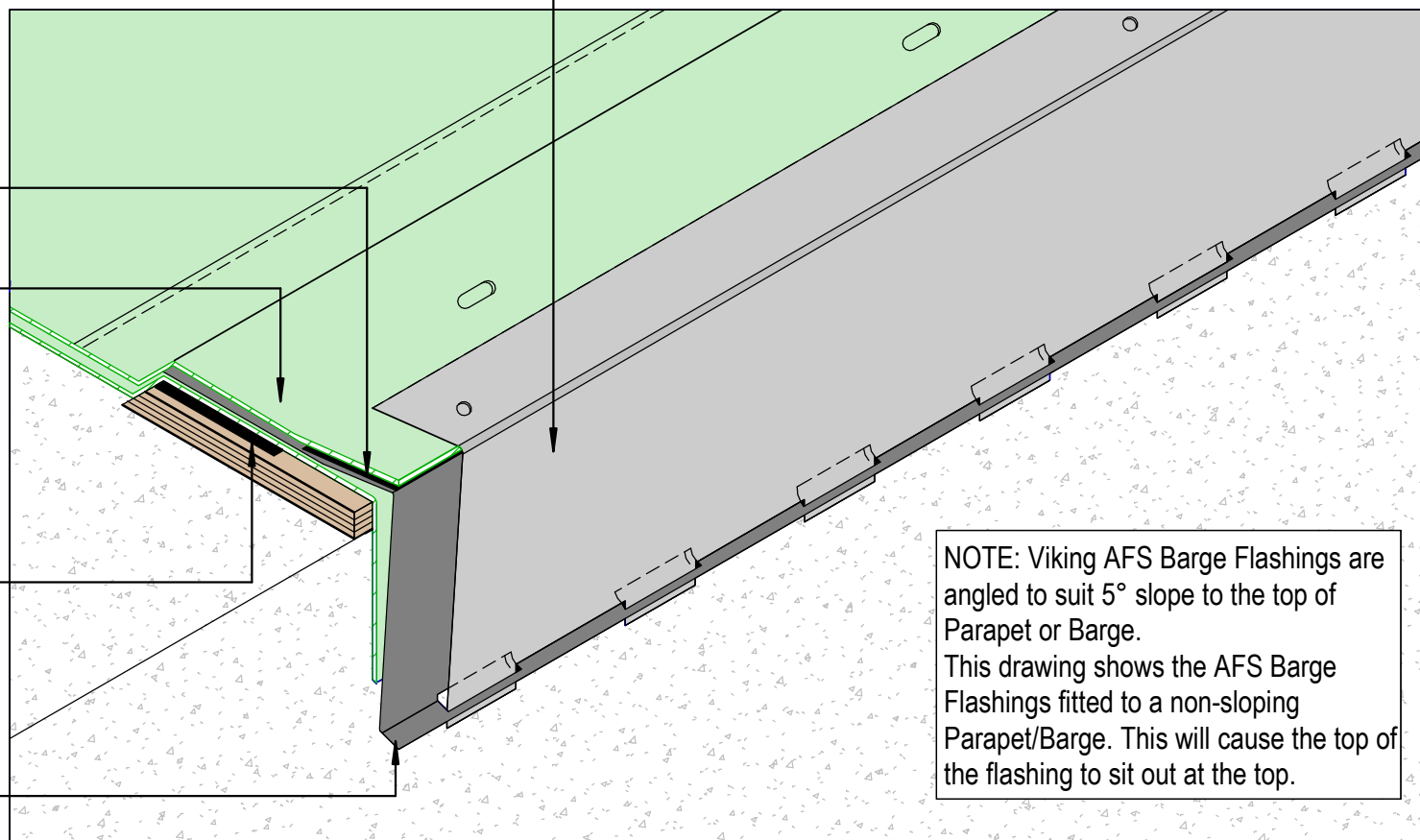
Viking Roofspec Architectural
Finishing Series IMT700
Cover - Flashing, Alum
1.6mm installed as per
manufacturers instructions.

SMT076V Lap Tape

Viking Roofspec Enviroclad
TPO waterproofing
membrane 1.14 mm thick,
install as per manufacturers
instructions.

SET153 Gasket

Viking Roofspec 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:
Ref drawing VEN031

DRAWING TITLE

Viking 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.



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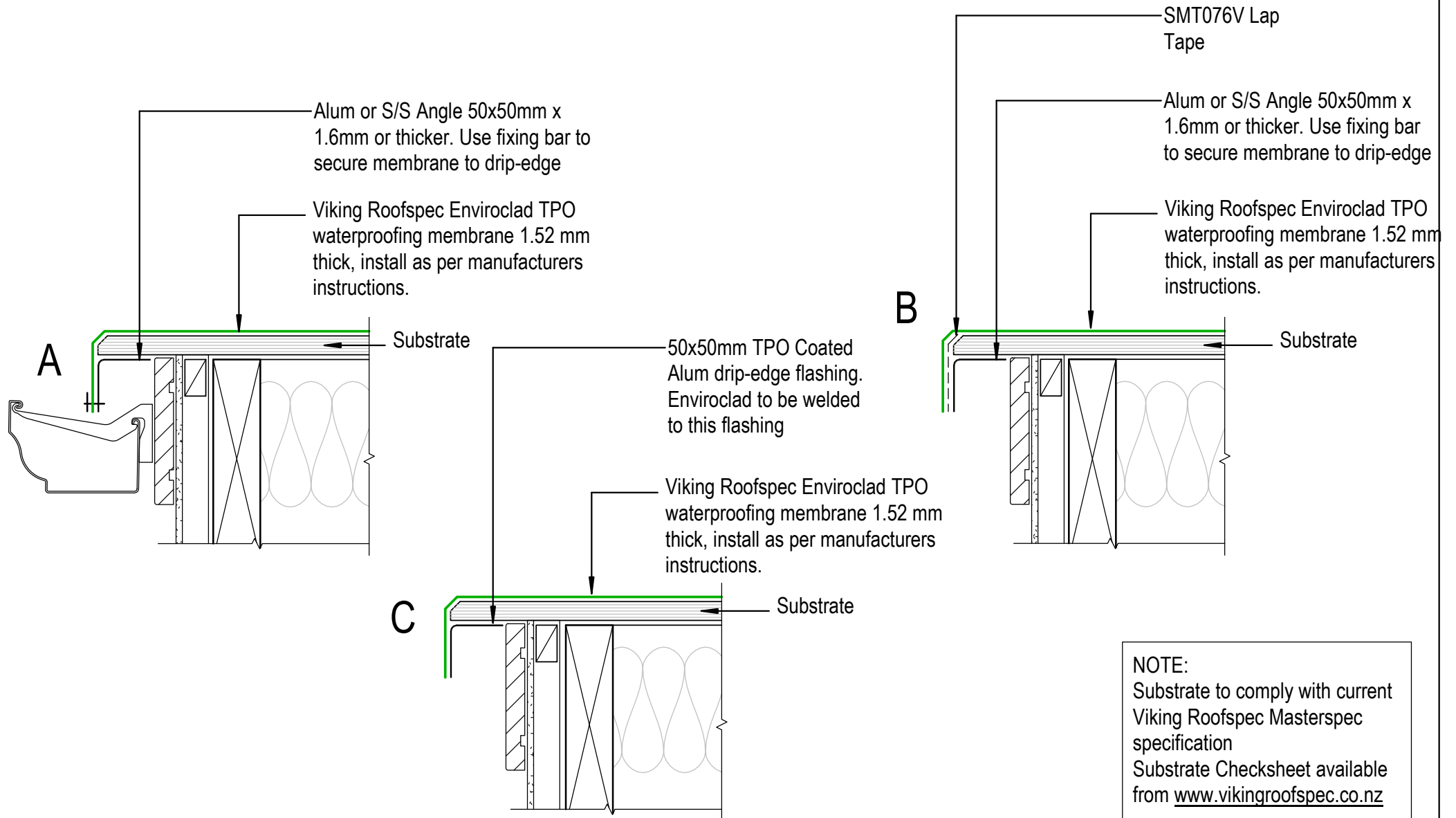
Enviroclad
systems are
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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale			
Detail Ref. VIK_ENV_031A_VERGBARG			





DRAWING TITLE

NOTES:



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Cert # GM-CM30058-RevC

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale			
Detail Ref:	VIK_ENV_032_VERGDRIP		

Viking Roofspec
Taking care of detail

Viking Enviroclad
Verge_Roof edge terminates with wall continuing, Diverter for
cladding

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

150 mm membrane upstand

Viking TPO Corner Flashing as a Diverter. Weld to Enviroclad field sheet and upstand

Cladding and underlay to cover membrane upstand 50mm min.

Cladding

Cladding underlay

Substrate

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

TPO coated Alum Angle 50x50mm min. as per E2/AS1
Enviroclad can be welded to drip-edge for a secure termination

DRAWING TITLE

Viking Enviroclad
Verge_Roof edge terminates with wall continuing, Diverter for

NOTES:

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



Cert # GM-CM30058-RevC

Enviroclad systems are CodeMarked

DRAWING

INFORMATION ONLY

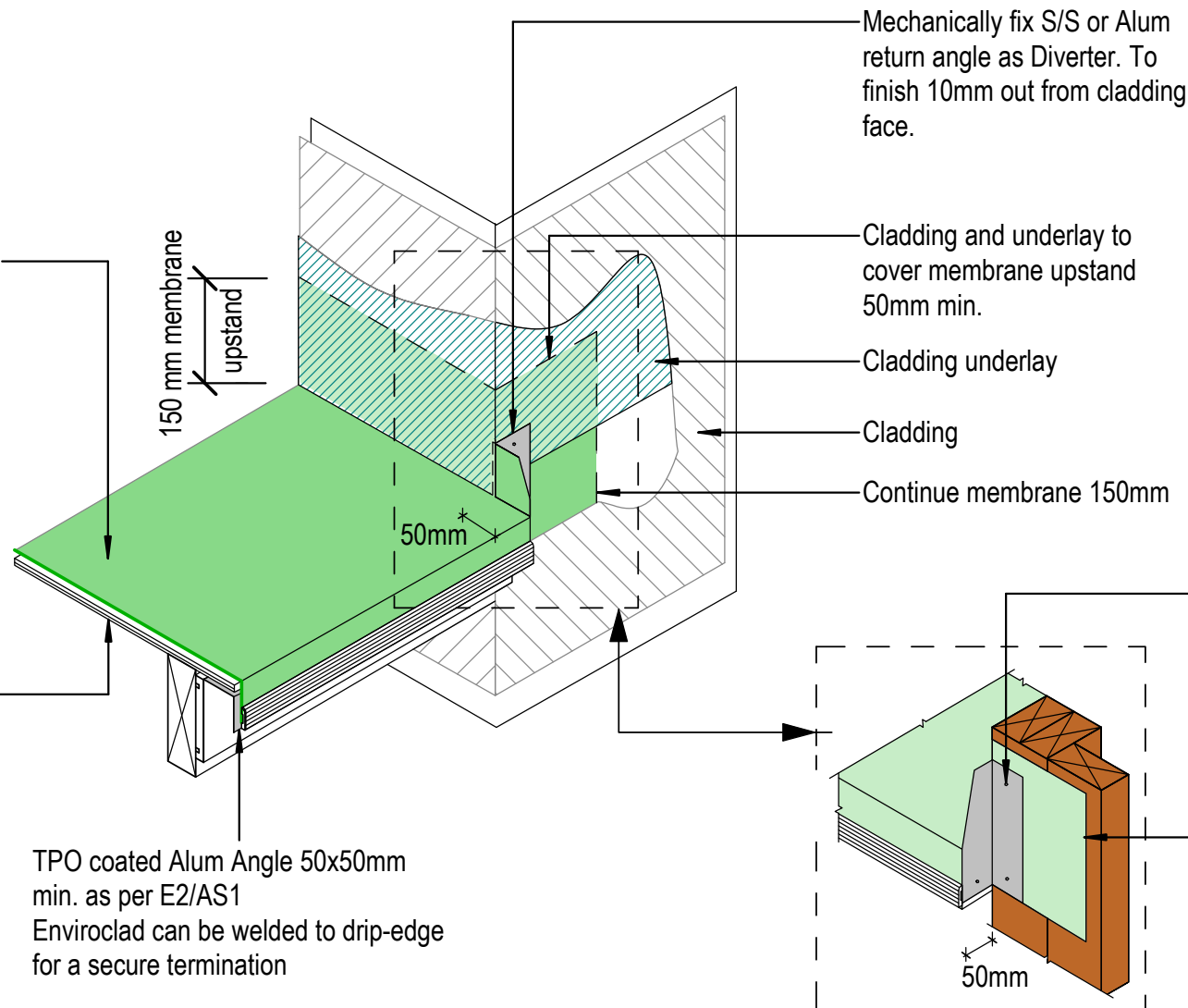
Scale:	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_033_VERGEDGE			

Viking Roofspec 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

TPO coated Alum Angle 50x50mm min. as per E2/AS1
Enviroclad can be welded to drip-edge for a secure termination



DRAWING TITLE

Viking Enviroclad
Verge_Roof edge terminates 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 notated.



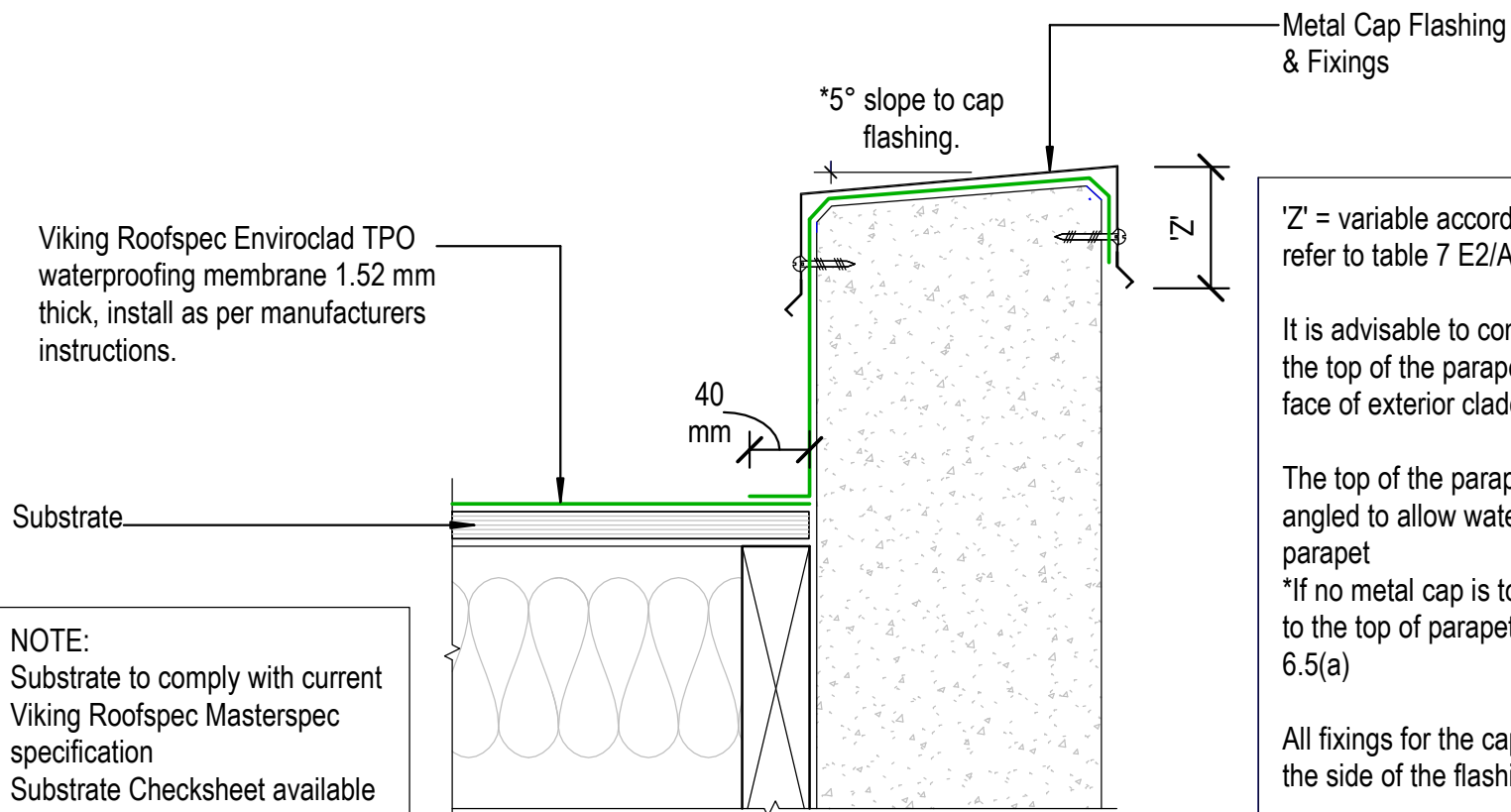
Cert # GM-CM30058-RevC

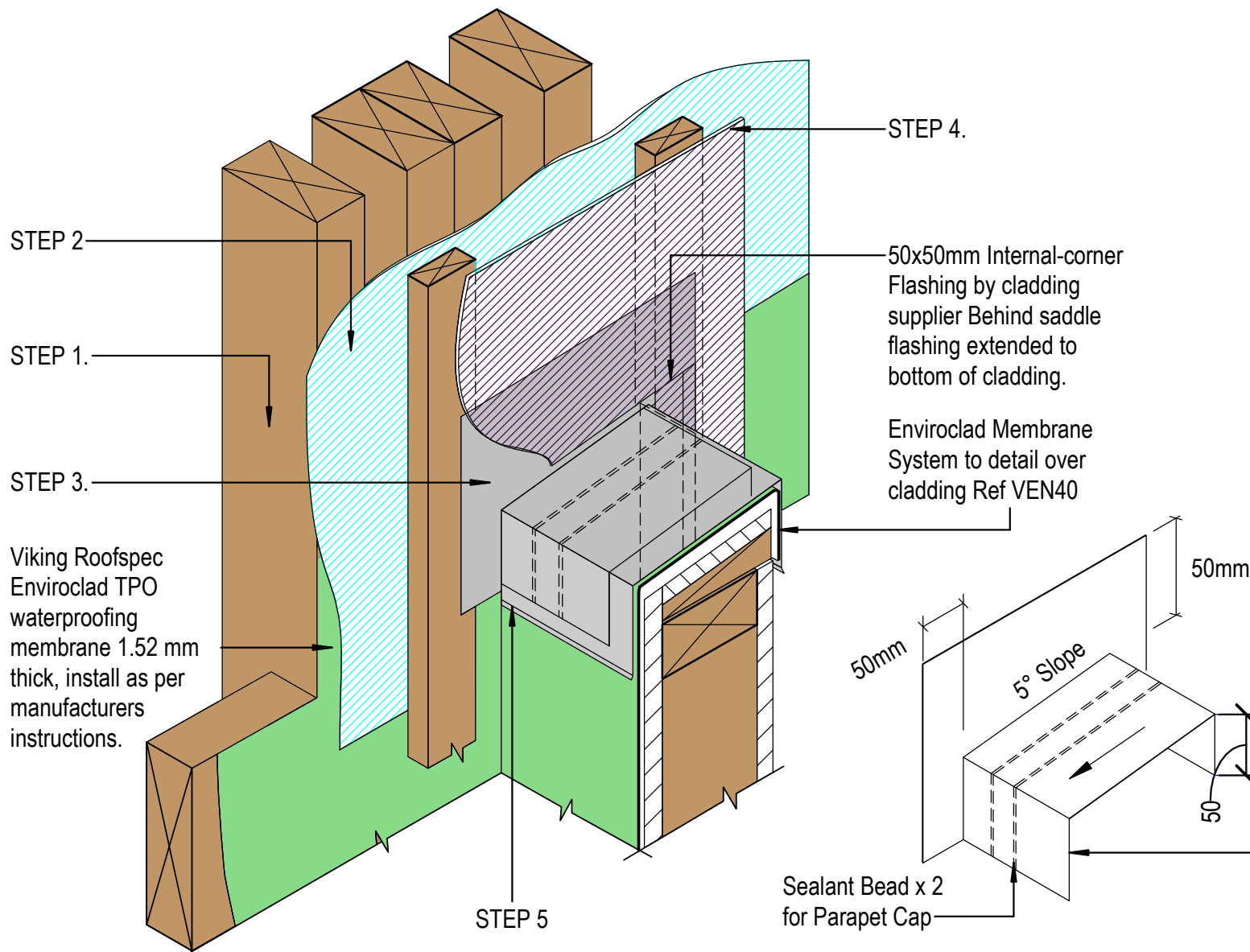
Enviroclad systems are CodeMarked

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_033A_VERGEDGE			





STEPS

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

DRAWING TITLE

Viking Enviroclad
Parapet_Parapet meets wall

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			
Detail Ref: VIK_ENV_040A_PARAWALL			

Viking Roofspec 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 Roofspec Masterspec
specification
Substrate Checksheet available
from www.vikingroofspec.co.nz

Builders flashing tape
non-bituminous

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

40 mm

Building wrap

Screw fixing of
scupper

4mm rebate for scupper

DRAWING TITLE

Viking 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.

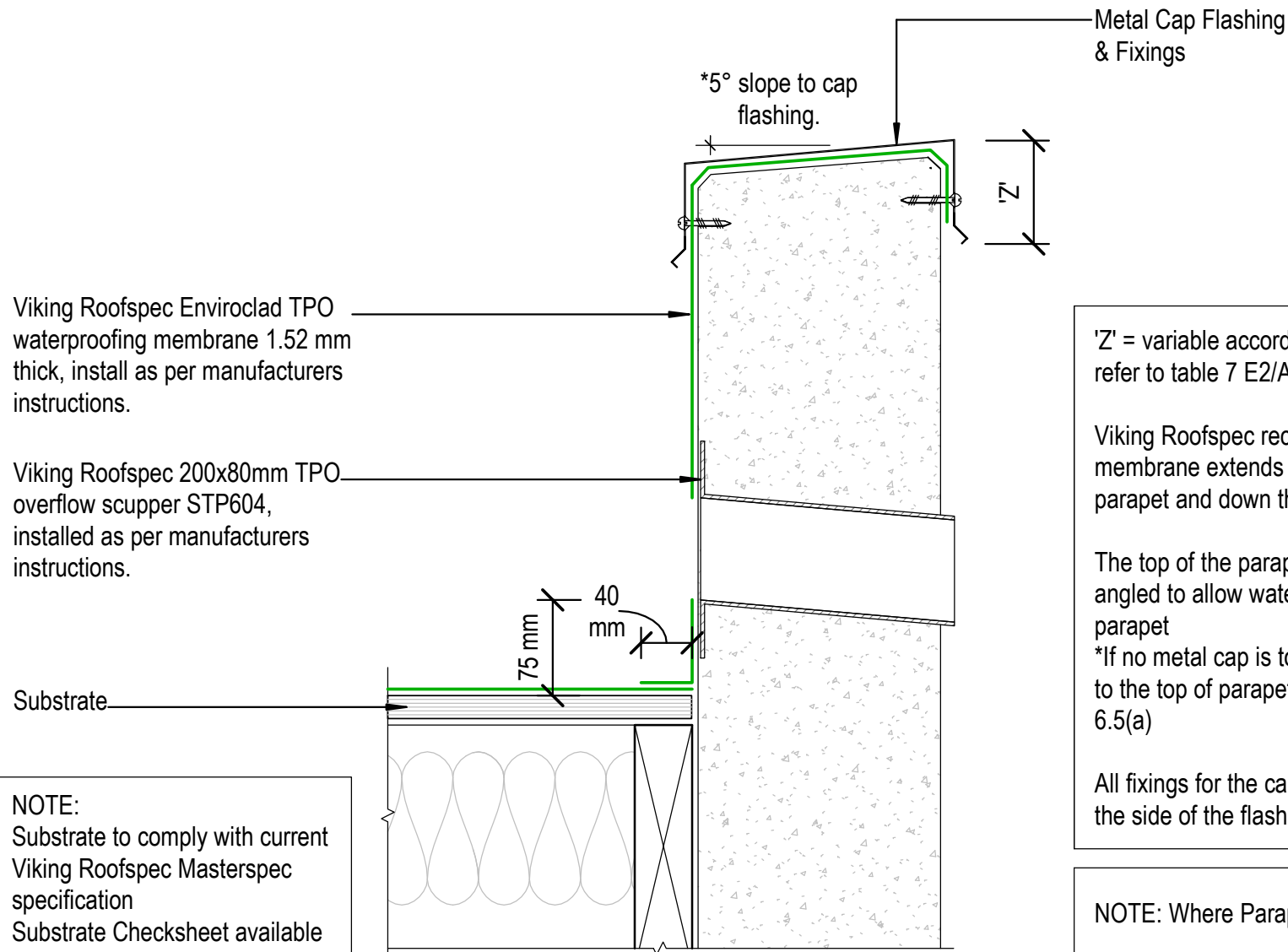


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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_041_PARASCUP			



'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 through the side of the flashing.

NOTE: Where Parapet meets wall refer VEN40A

DRAWING TITLE

Viking Enviroclad
Parapet_with overflow

NOTES:

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



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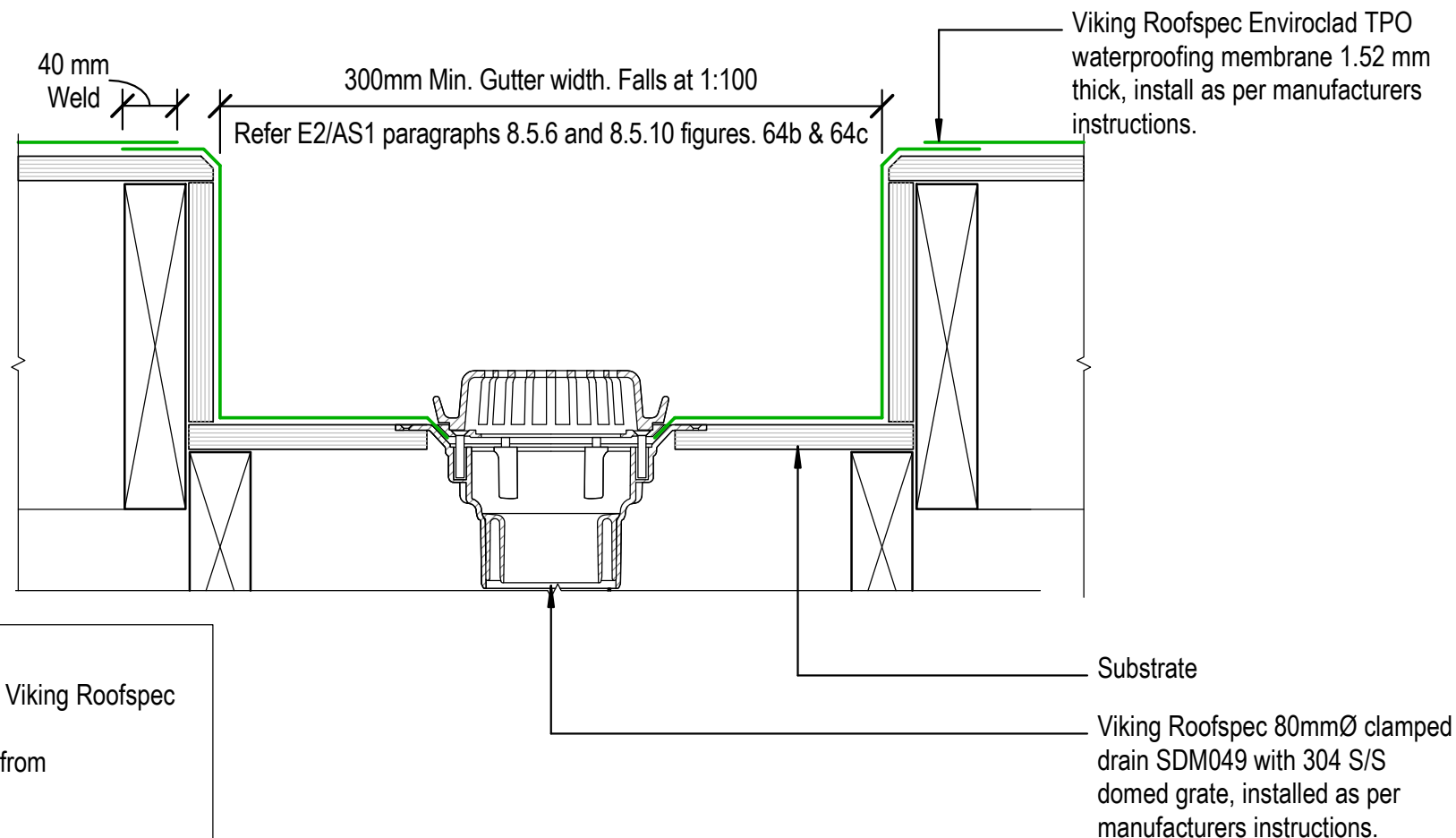
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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale			
Detail Ref:			VIK_ENV_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



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

DRAWING TITLE

Viking 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.



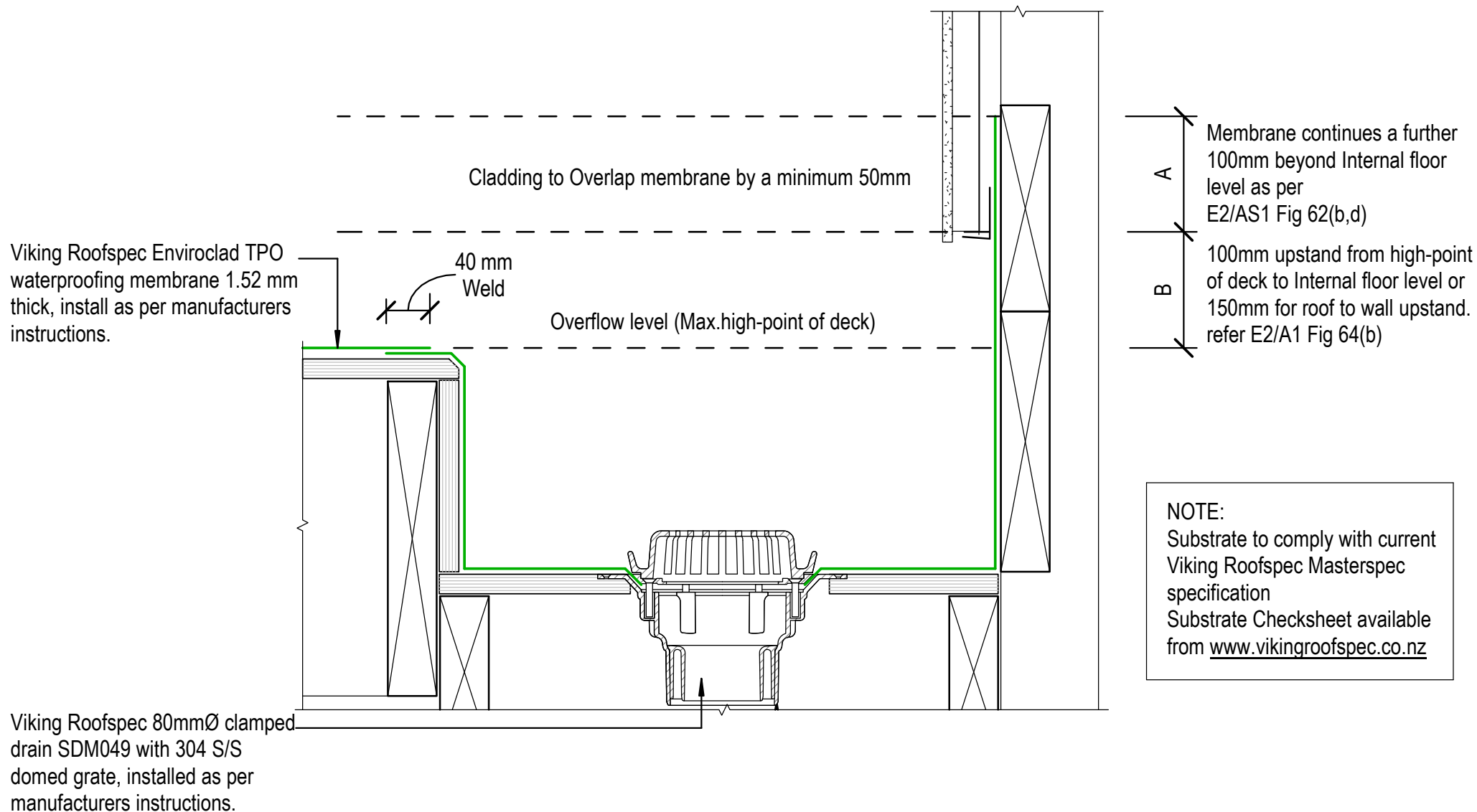
Cert # GM-CM30058-RevC

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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_050_GUTTOUTL			



DRAWING TITLE

Viking 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.



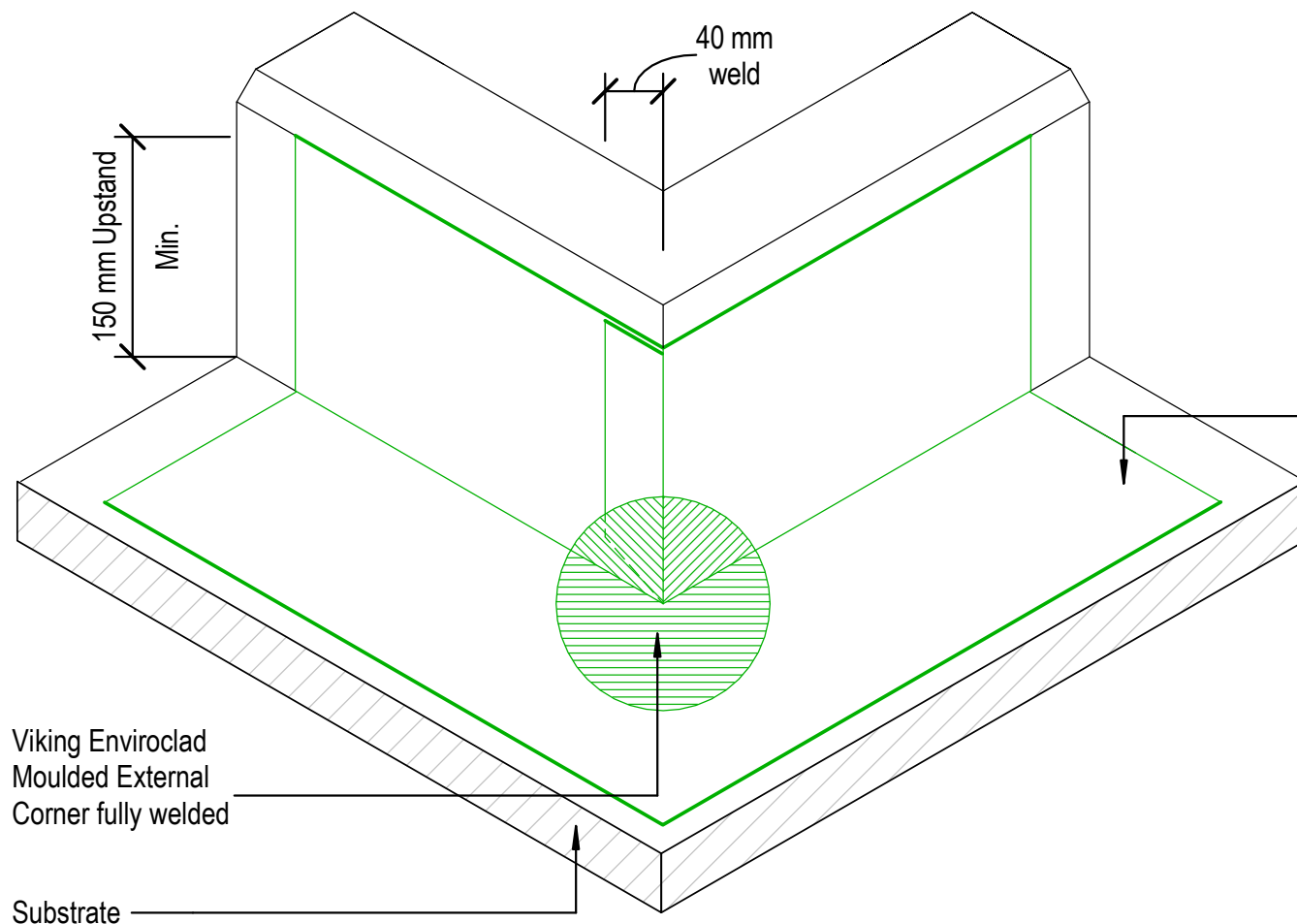
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DRAWING

INFORMATION ONLY

Scale: Not to Scale	Date:	Drawn:	Viking
Detail Ref:			VIK_ENV_051_GUTTWALL



Viking Roofspec 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

DRAWING TITLE

Viking Enviroclad
Intersection_External corner

NOTES:

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



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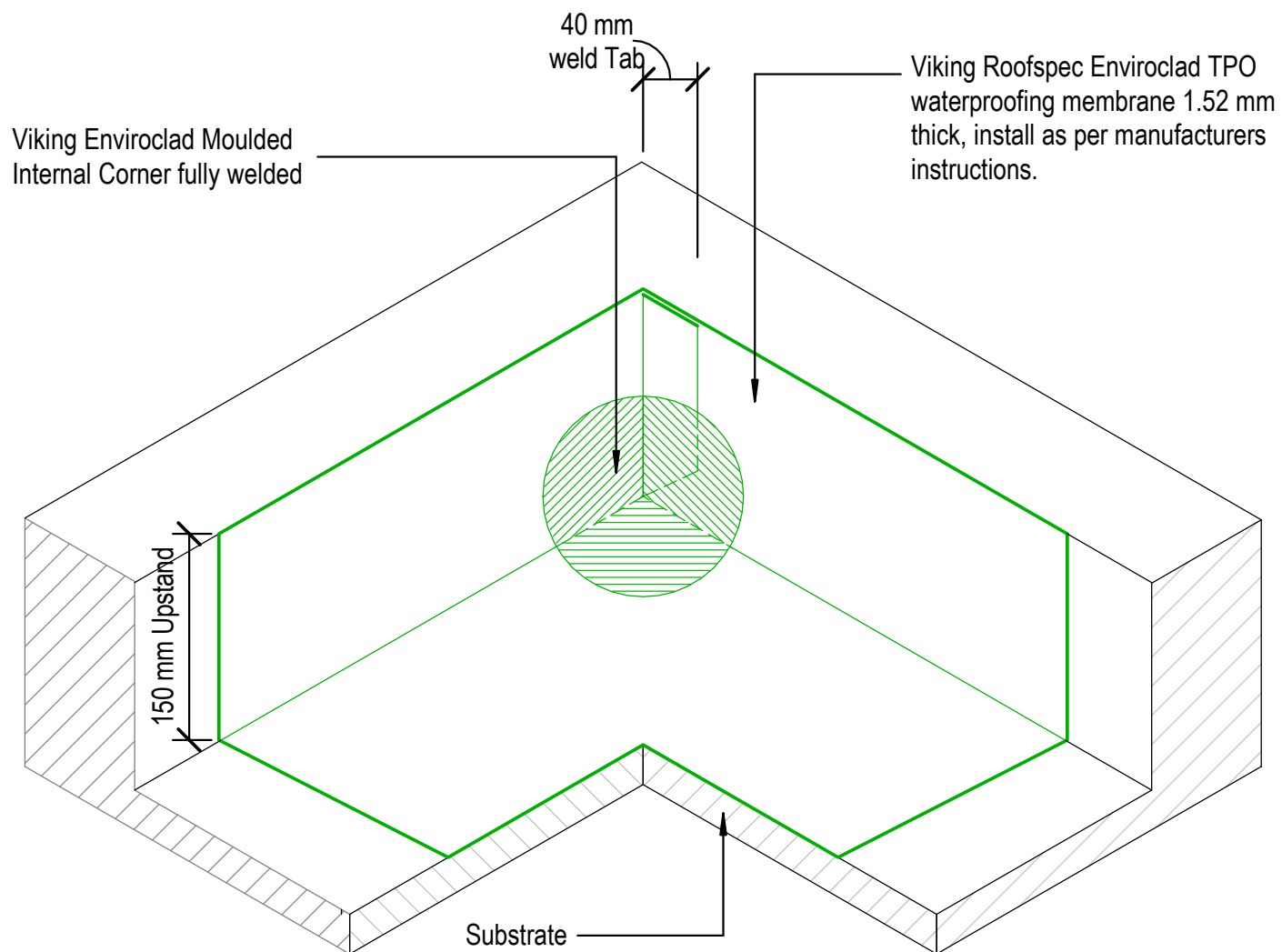
Scale:
Not to Scale
Detail Ref:

Date:

Drawn:

Viking

VIK_ENV_060_INTSECRN



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

DRAWING TITLE

Viking Enviroclad
Intersection_Internal corner

NOTES:

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



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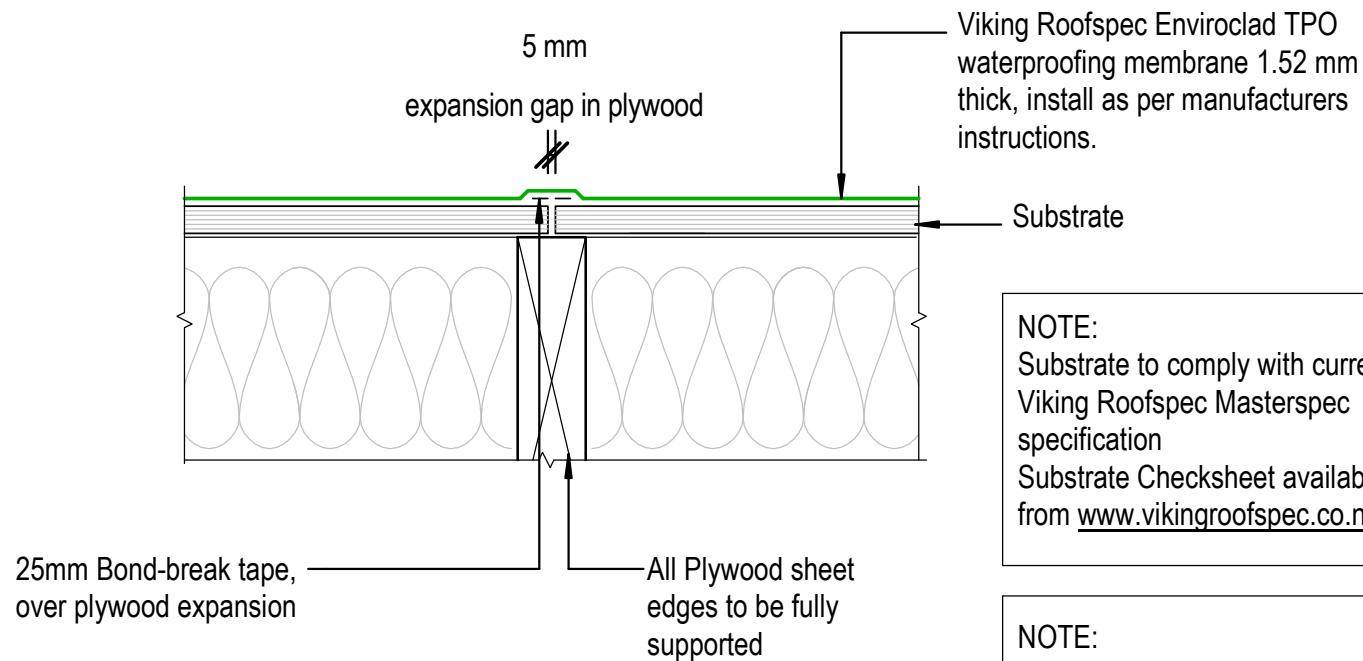
Scale:
Not to Scale
Detail Ref:

Date:

Drawn:

Viking

VIK_ENV_061_INTSICNR



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

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

DRAWING TITLE

Viking Enviroclad
Intersection_Substrate Expansion

NOTES:

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



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Enviroclad
systems are
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INFORMATION ONLY

Scale:
Not to Scale
Detail Ref:

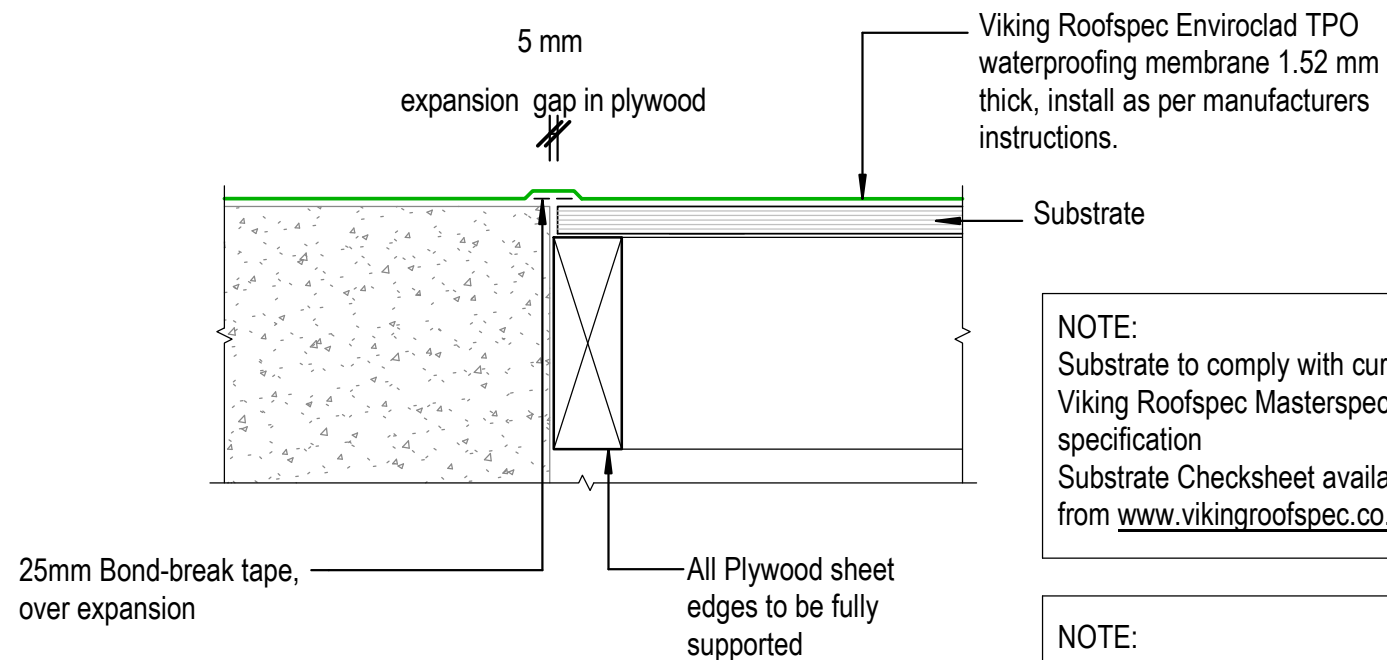
Date:

Drawn:

Viking

VIK_ENV_062_INTSSUBS

Viking Roofspec
Taking care of detail



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

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

DRAWING TITLE

Viking 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 notated.



Enviroclad
systems are
CodeMarked

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INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref:			VIK_ENV_062A_INTSSUBS

Metal Cap Flashing to allow for movement specific site details by Designer

Specific Seismic Joint by Designer

100 mm
Min.

40 mm
weld

Viking Roofspec 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

Seismic Gap determined by designer

DRAWING TITLE

Viking 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.

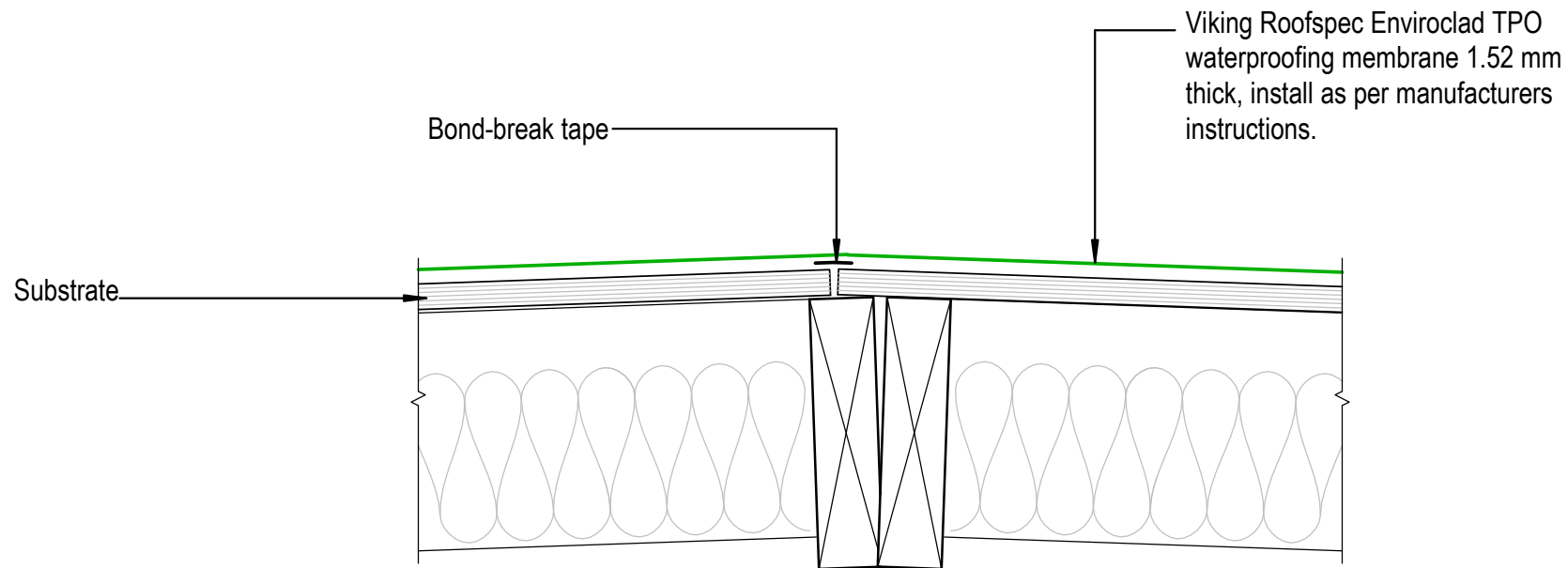


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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale			
Detail Ref:			VIK_ENV_063_INTSSEIS



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

DRAWING TITLE

Viking Enviroclad
 Intersection_Ridge / Hip

NOTES:

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



Cert # GM-CM30058-RevC

Enviroclad
 systems are
 CodeMarked

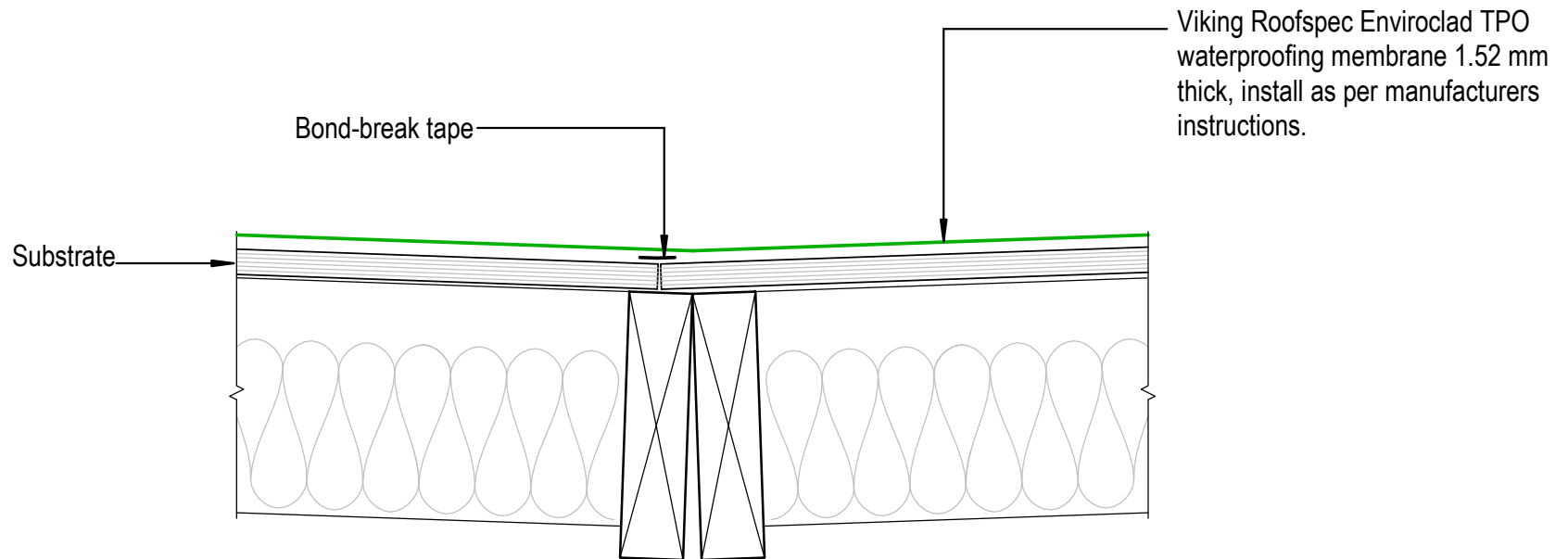
DRAWING

INFORMATION ONLY

Scale:
 Not to Scale
 Detail Ref:

Date: Drawn: Viking

VIK_ENV_064_INTSRIDG



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

DRAWING TITLE

Viking Enviroclad
 Intersection_Valley

NOTES:

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



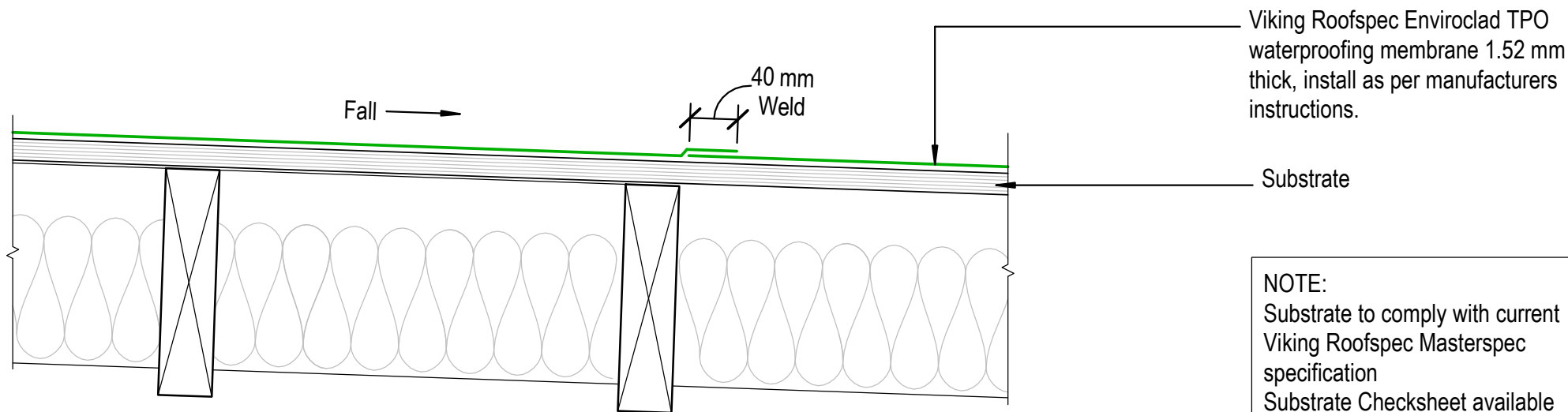
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Enviroclad
 systems are
 CodeMarked

DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale			
Detail Ref:	VIK_ENV_065_INTSVALL		



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

DRAWING TITLE

Viking Enviroclad
 Intersection_Sheet Lap

NOTES:

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



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Enviroclad
 systems are
 CodeMarked

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INFORMATION ONLY

Scale:
 Not to Scale
 Detail Ref:

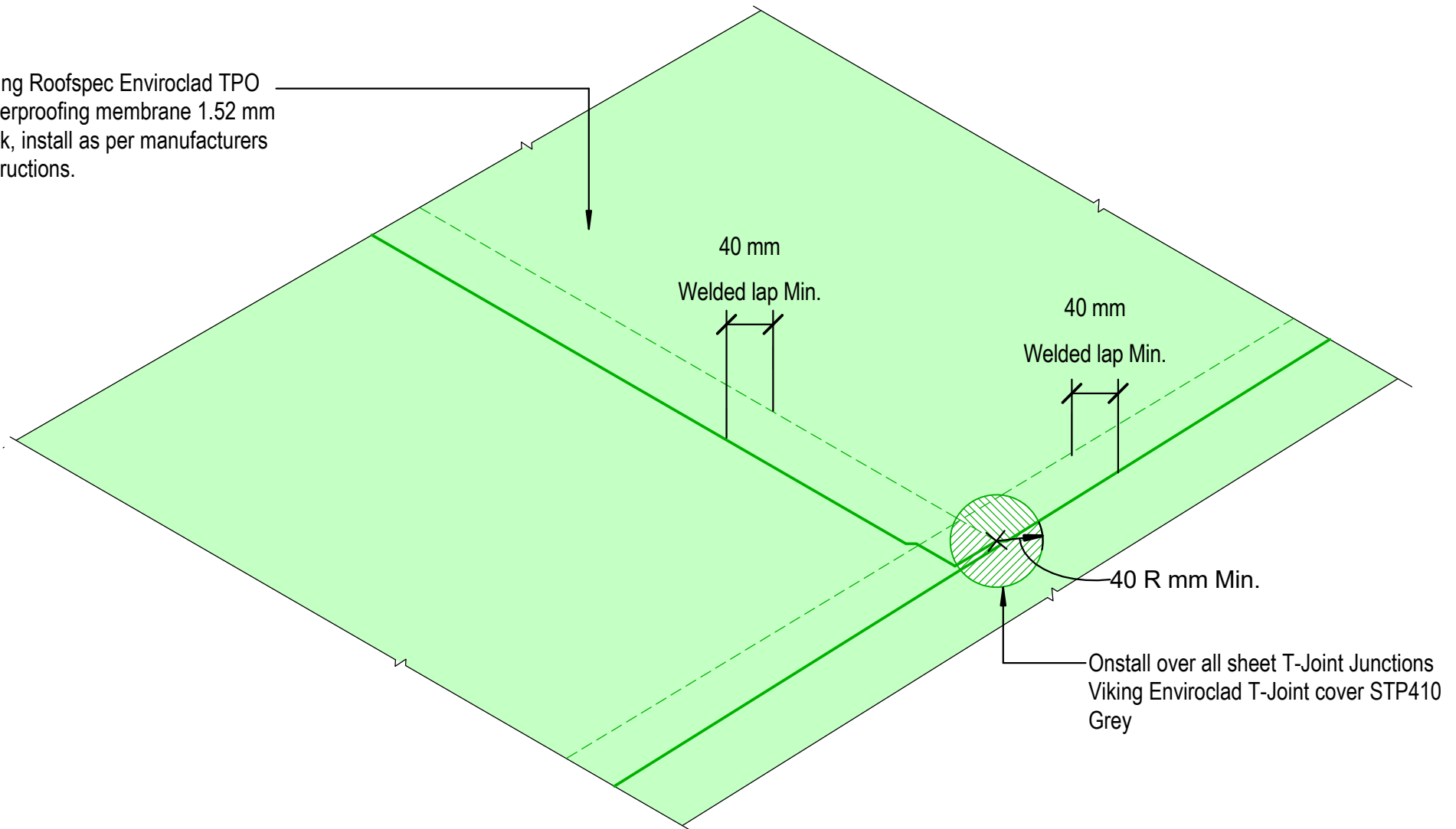
Date:

Drawn:

Viking

VIK_ENV_066_INTSSHEL

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



DRAWING TITLE

Viking 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.



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INFORMATION ONLY

Scale:
Not to Scale

Date:

Drawn:

Viking

Detail Ref:

VIK_ENV_067_INTSSHTT

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

Install over all sheet Lap-Joint Transitions / change of angles. NON-Reinforced TPO / Viking STP410 Grey T-Joint Cover.

40 mm Welded lap Min.

Min.40mm

Min. 40mm

Min. 40mm

DRAWING TITLE

Viking Enviroclad
Intersection_Lap Transition

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:
Not to Scale

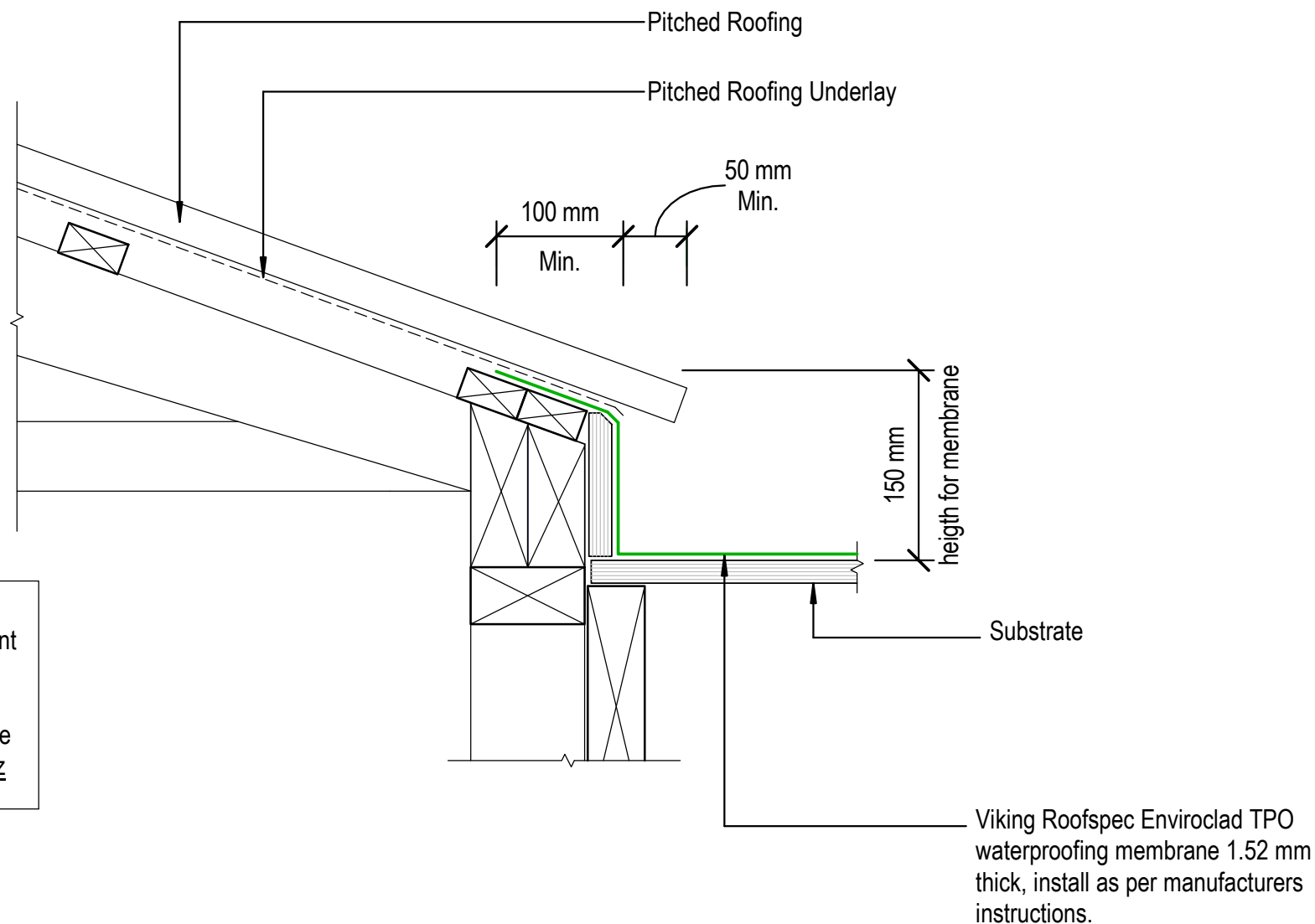
Date:

Drawn:

Viking

Detail Ref:

VIK_ENV_068_INTSLAPT



DRAWING TITLE

Viking 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.



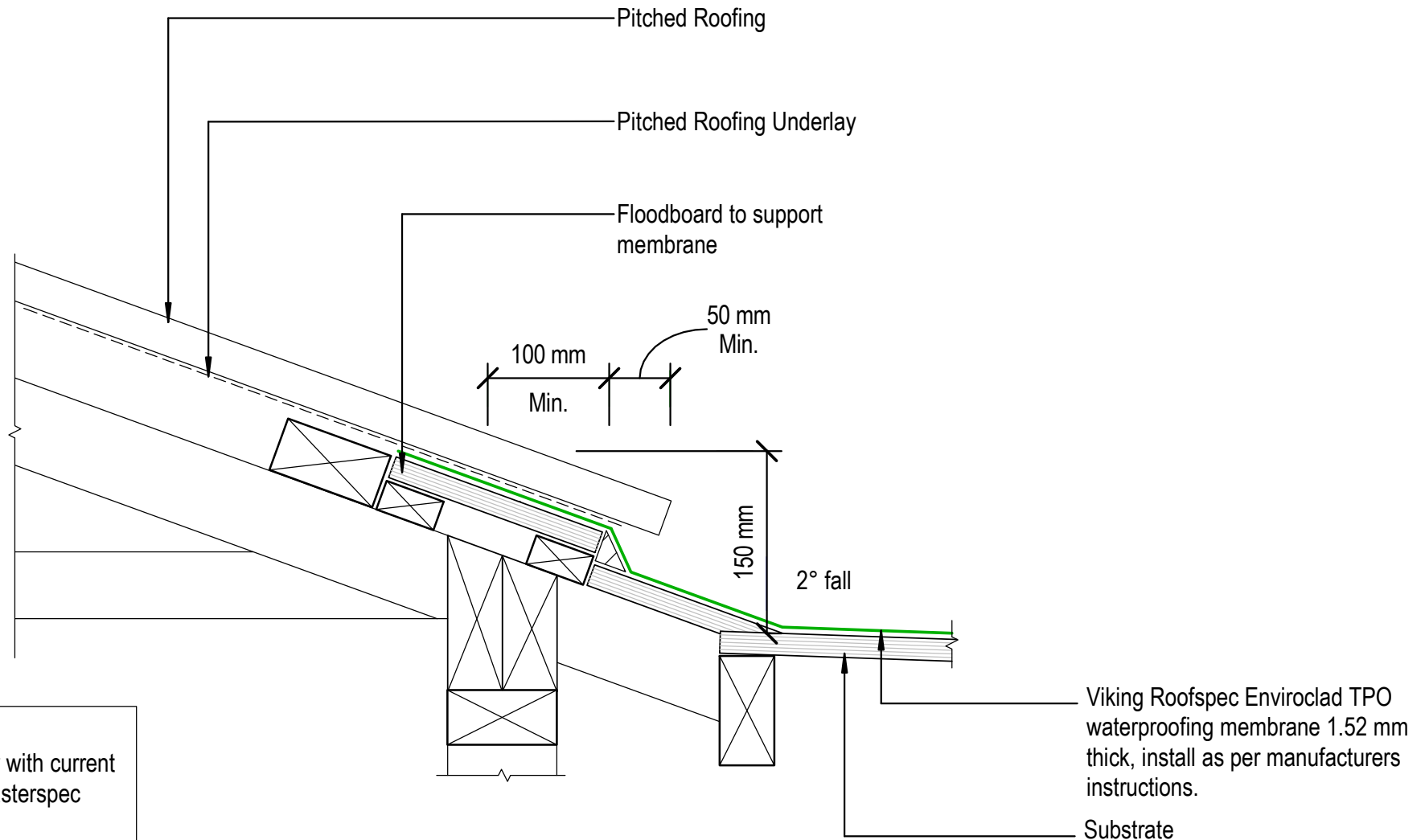
Cert # GM-CM30058-RevC

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systems are
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DRAWING

INFORMATION ONLY

Scale: Not to Scale	Date:	Drawn: Viking
Detail Ref: VIK_ENV_070_RJUNUPST		



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

DRAWING TITLE

Viking Enviroclad
 Roof Junction_Membrane to Pitched Roofing Longrun

NOTES:

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



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Scale:
 Not to Scale

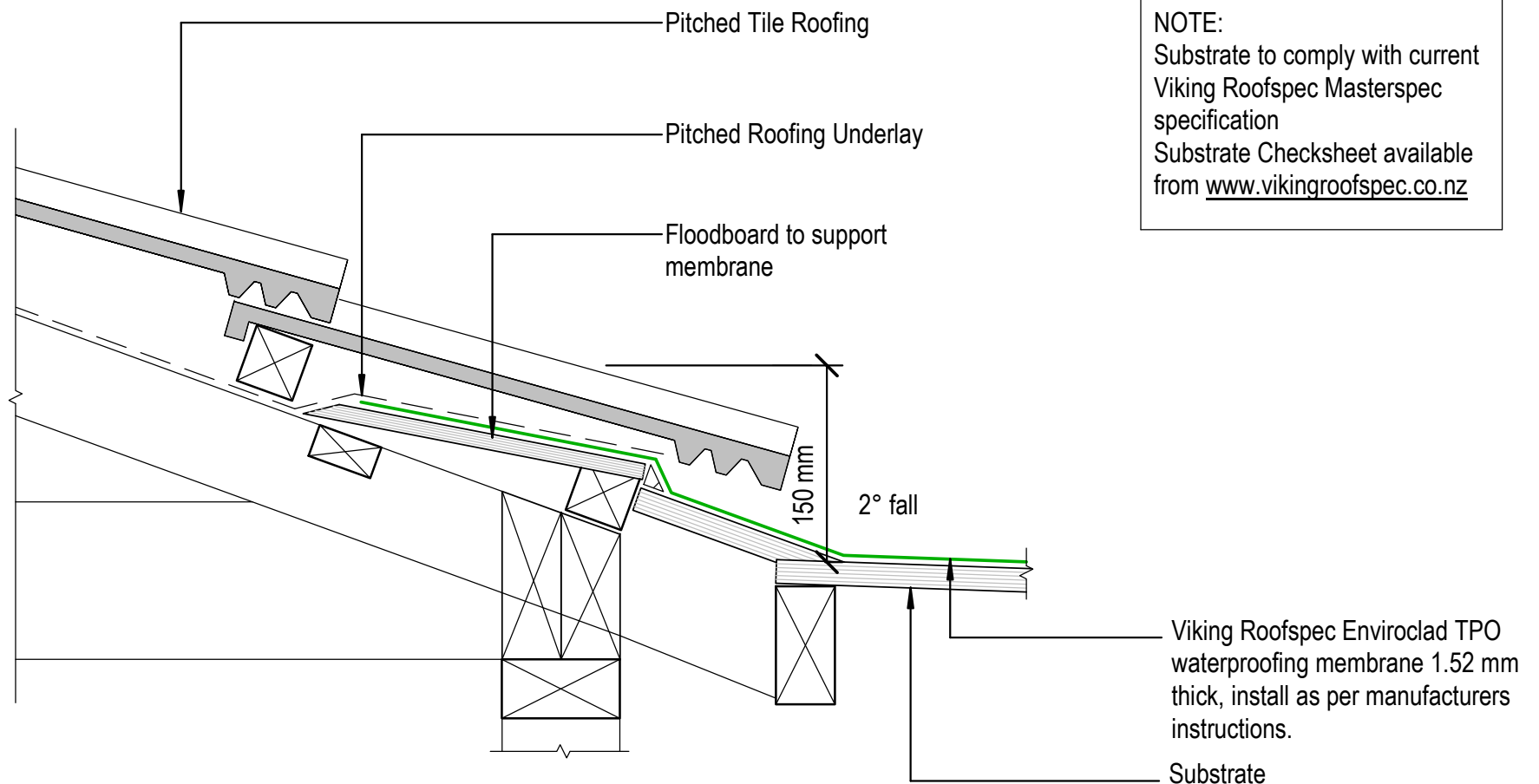
Date:

Drawn:

Viking

Detail Ref:

VIK_ENV_071_RJUNMETL



DRAWING TITLE

Viking Enviroclad
Roof Junction_Membrane to Pitched Roofing Tiles

NOTES:

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



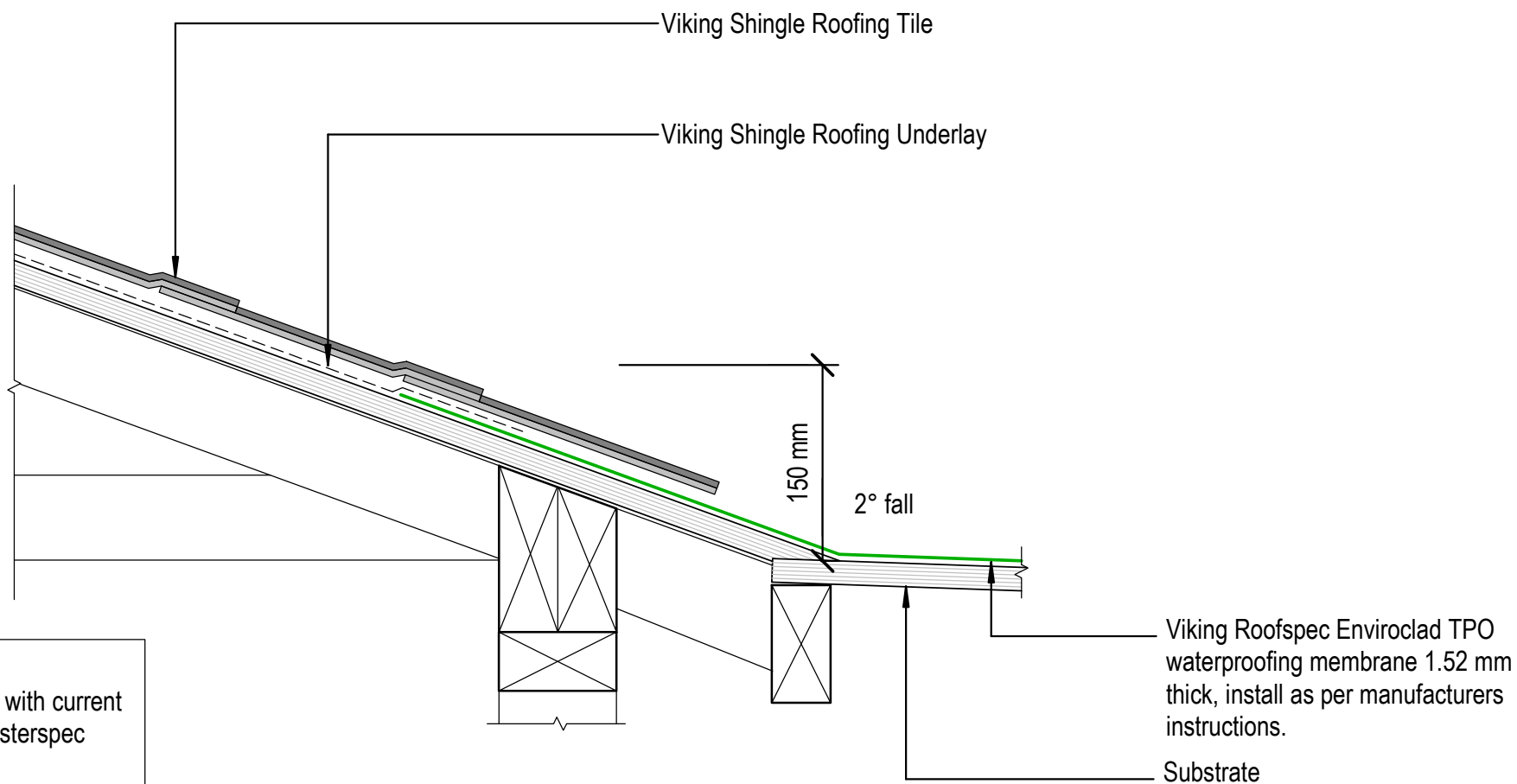
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INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref:			VIK_ENV_071A_RJUNTILE



DRAWING TITLE

Viking Enviroclad
 Roof Junction_Membrane to Pitched Roofing Shingles

NOTES:

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

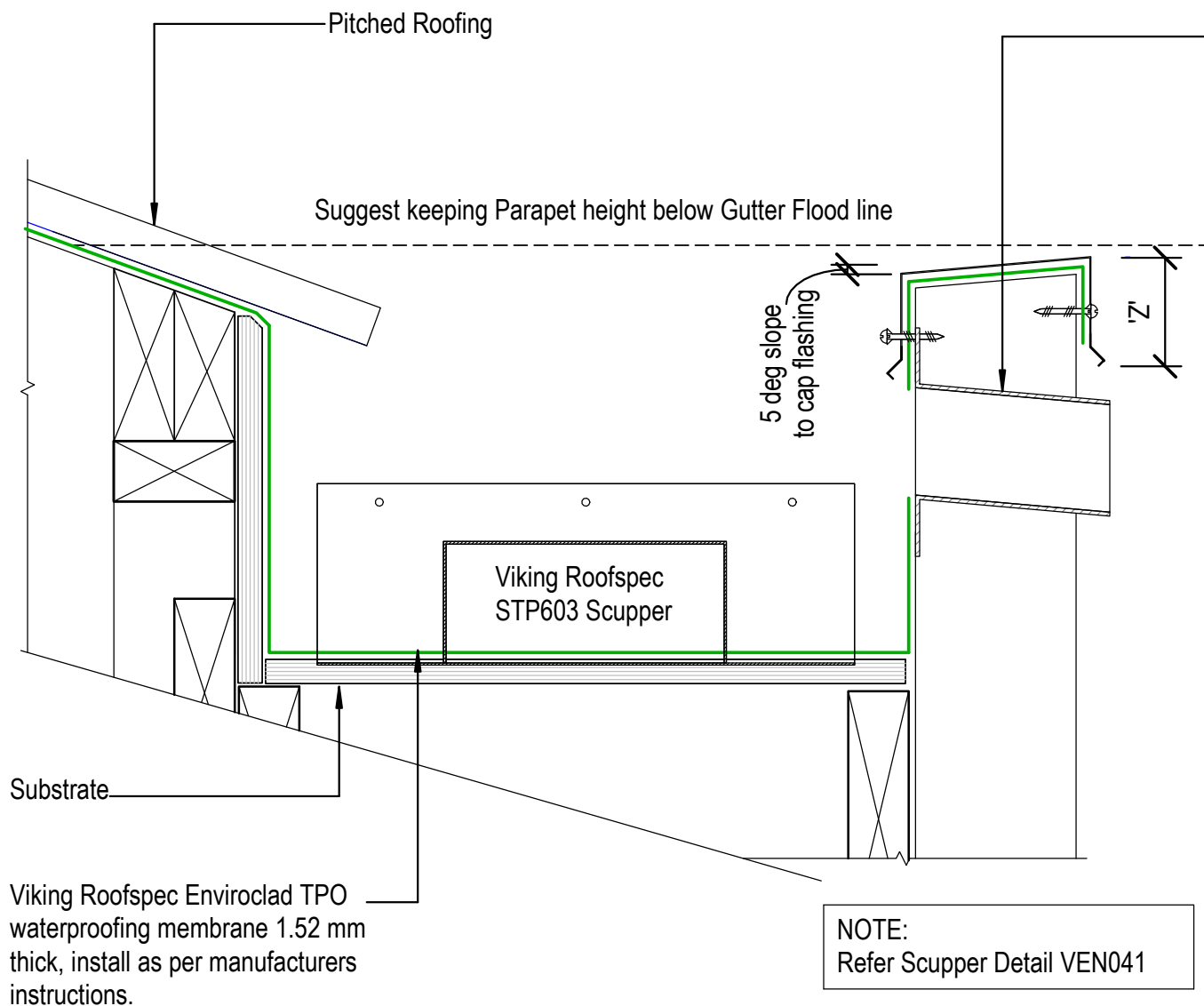


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 systems are
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DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale			
Detail Ref:	VIK_ENV_071B_RJUNSHIN		



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

'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 Roofspec Masterspec specification
Substrate Checksheet available from www.vikingroofspec.co.nz

NOTE:
Refer Scupper Detail VEN041

DRAWING TITLE

Viking Enviroclad
Roof Junction_Metal Roof to Internal Gutter

NOTES:

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



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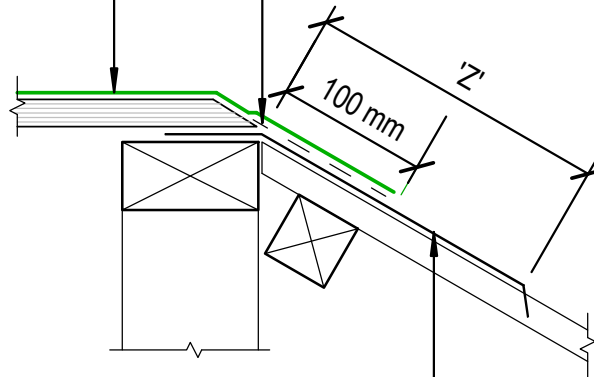
Scale:	Date:	Drawn:	Viking
Not to Scale			
Detail Ref: VIK_ENV_072_RJUNGUTI			



SMT076V Lape Tape

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

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 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.



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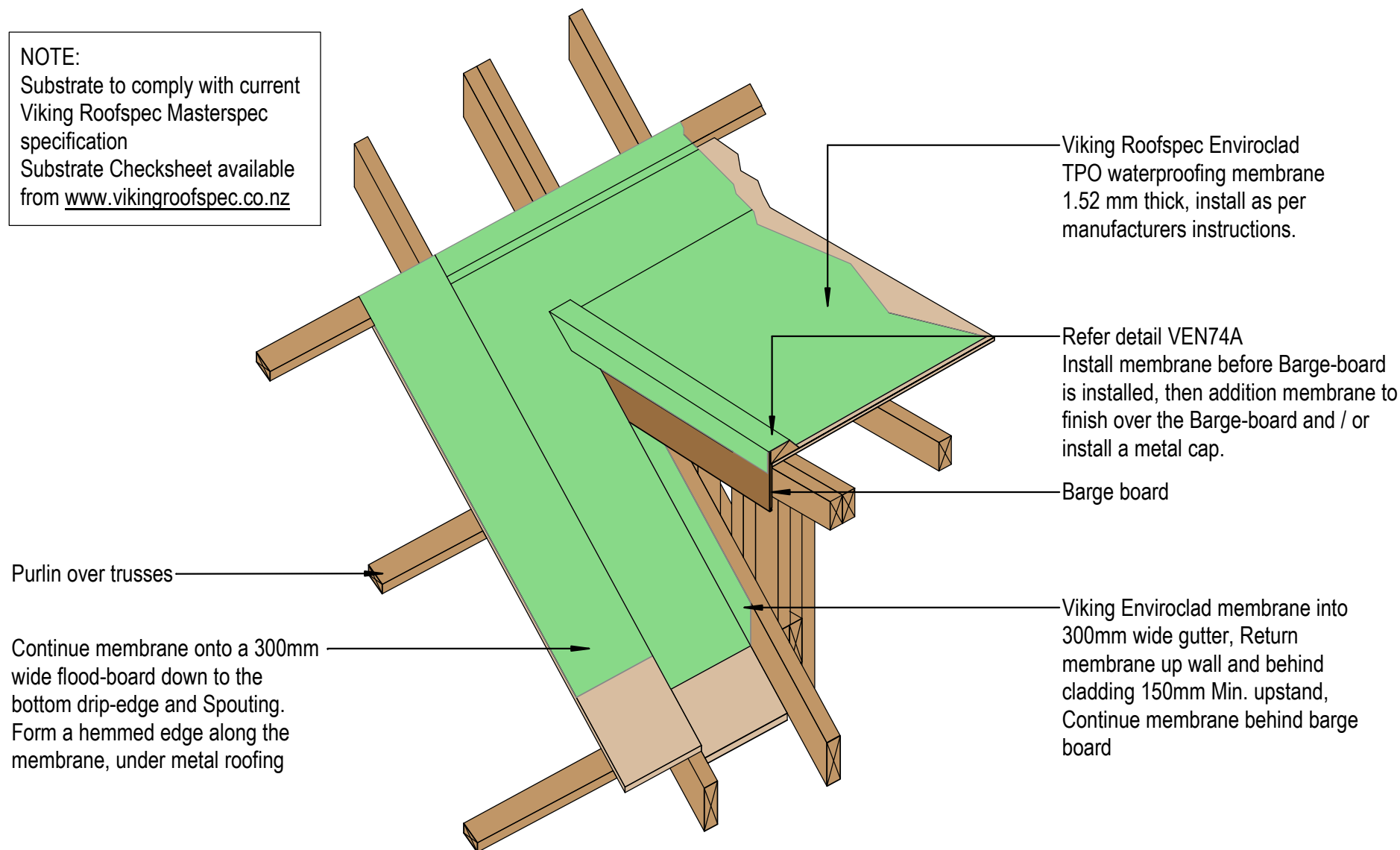
INFORMATION ONLY

Scale: Not to Scale	Date:	Drawn:	Viking
Detail Ref:			VIK_ENV_073_RJUNMANV



NOTE:

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



DRAWING TITLE

Viking Enviroclad
Roof Junction_Dormer ISO

NOTES:

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



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Scale:	Date:	Drawn:	Viking
Not to Scale			
Detail Ref:	VIK_ENV_074_RJUNDORM		

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

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

Refer to Table 7
 E2/AS1

Metal Cap
 with saddle flashing
 from under profiled
 roofing

Substrate

Building wrap

Solid blocking

Unspecified Cladding
 and Cavity

300 mm flood-board
 12mm plywood

300 mm
 17mm plywood

35 mm

150 mm

DRAWING TITLE

Viking 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.

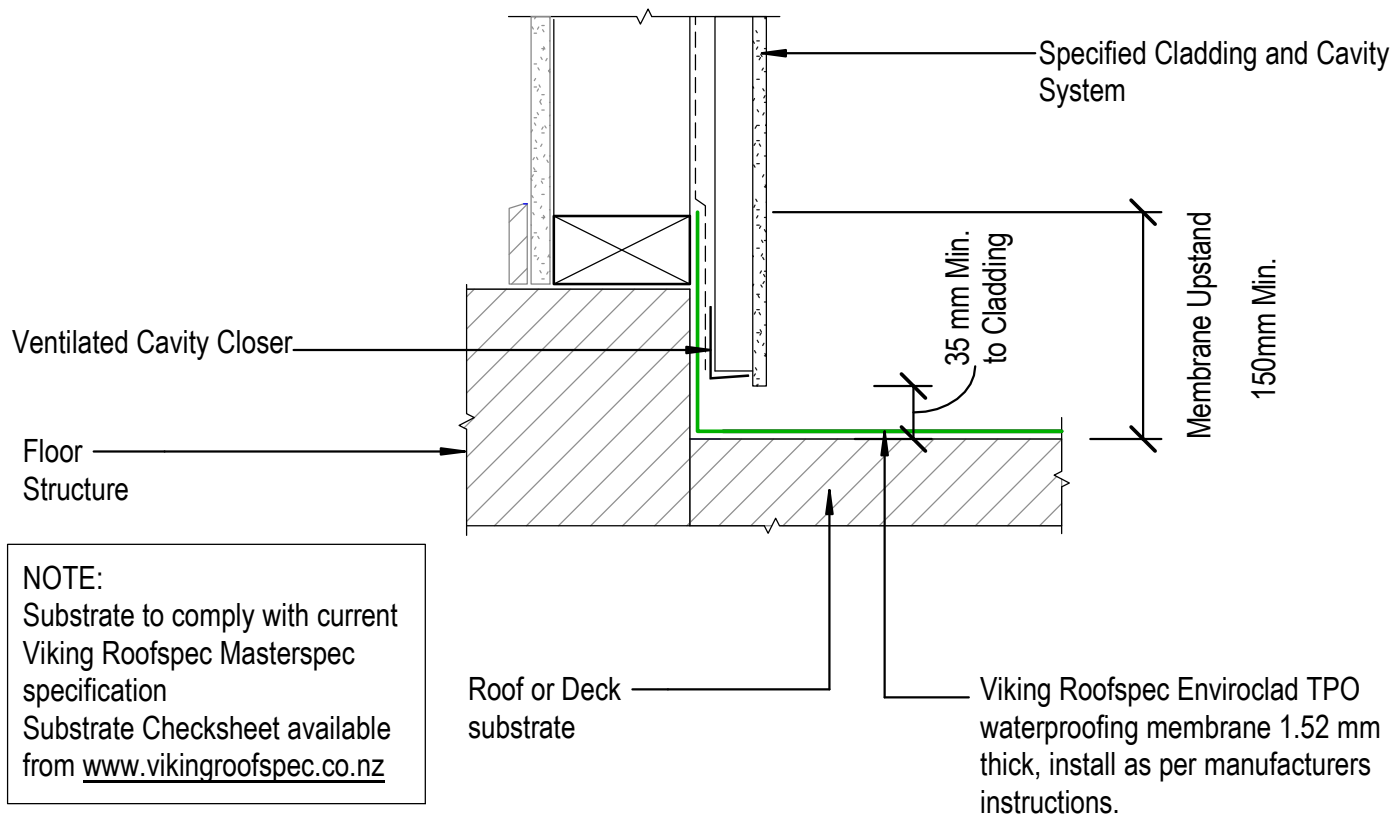


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INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale			
Detail Ref:	VIK_ENV_074A_RJUNDORM		



DRAWING TITLE

Viking Enviroclad
Apron_Upstand behind cladding

NOTES:

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



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INFORMATION ONLY

Scale:
Not to Scale

Date:

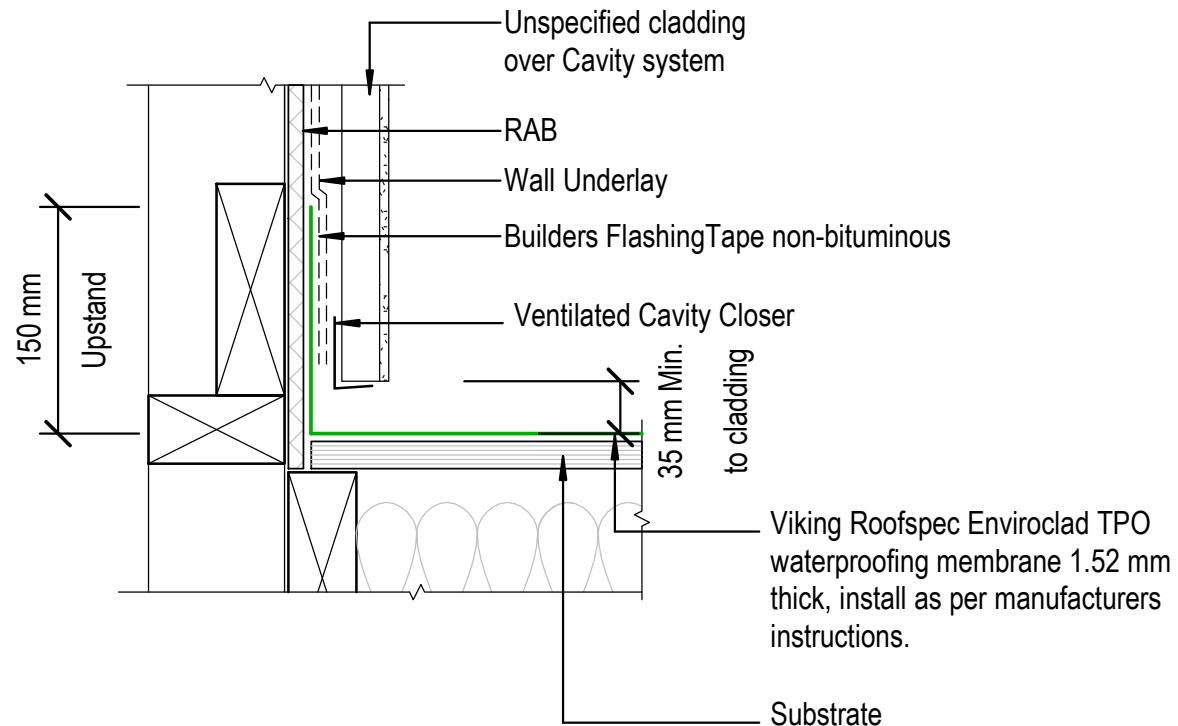
Drawn:

Viking

Detail Ref:

VIK_ENV_080_APRNUPST

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



DRAWING TITLE

Viking 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 notated.



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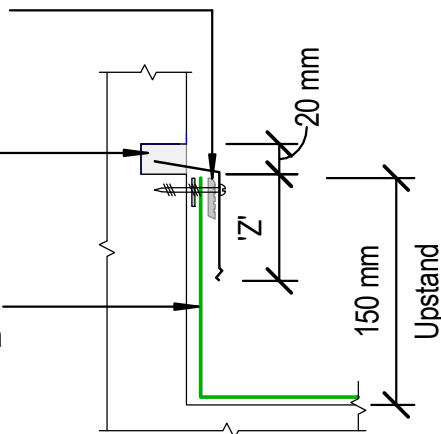
INFORMATION ONLY

Scale: Not to Scale	Date:	Drawn: Viking
Detail Ref: VIK_ENV_080A_APRNURAB		

Viking SDF110 Fixing Bar with
STP870 water cut-off mastic
sealant between membrane and
wall for a compression seal

MS Sealant

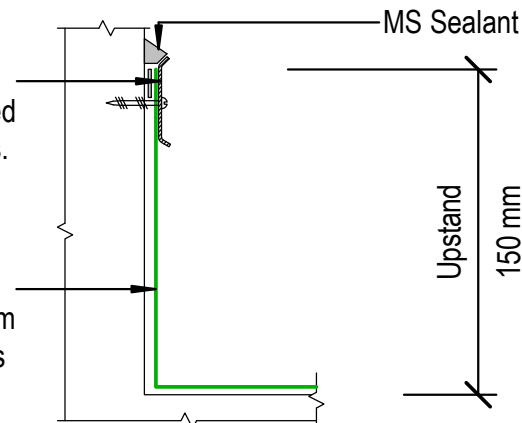
Viking Roofspec Enviroclad TPO
waterproofing membrane 1.52 mm
thick, install as per manufacturers
instructions.



Chase termination 'A'

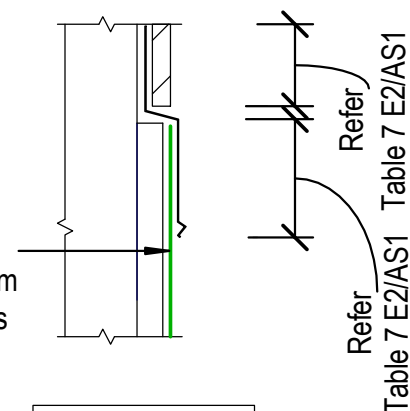
Viking Roofspec pressure bar
IMT709, 2mm aluminium, installed
as per manufacturers instructions.

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



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

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



Apron Flashing
termination 'D'

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

DRAWING TITLE

Viking Enviroclad
Apron_Upstand terminations without cladding

NOTES:

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

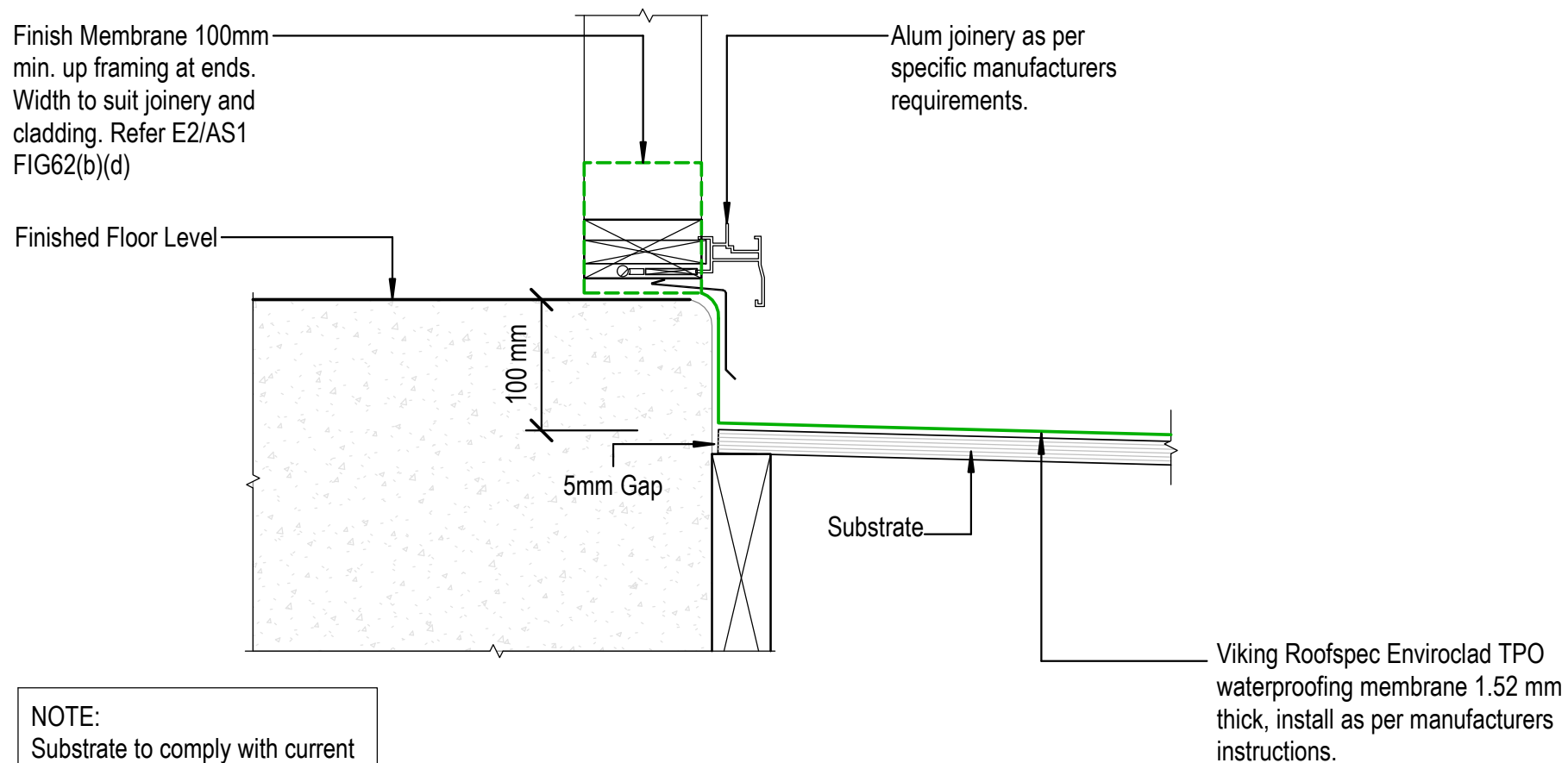


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INFORMATION ONLY

Scale: Not to Scale	Date:	Drawn:	Viking
Detail Ref: VIK_ENV_081_APRNUTER			



DRAWING TITLE

Viking Enviroclad
Threshold_Door

NOTES:

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



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Scale:
Not to Scale

Date:

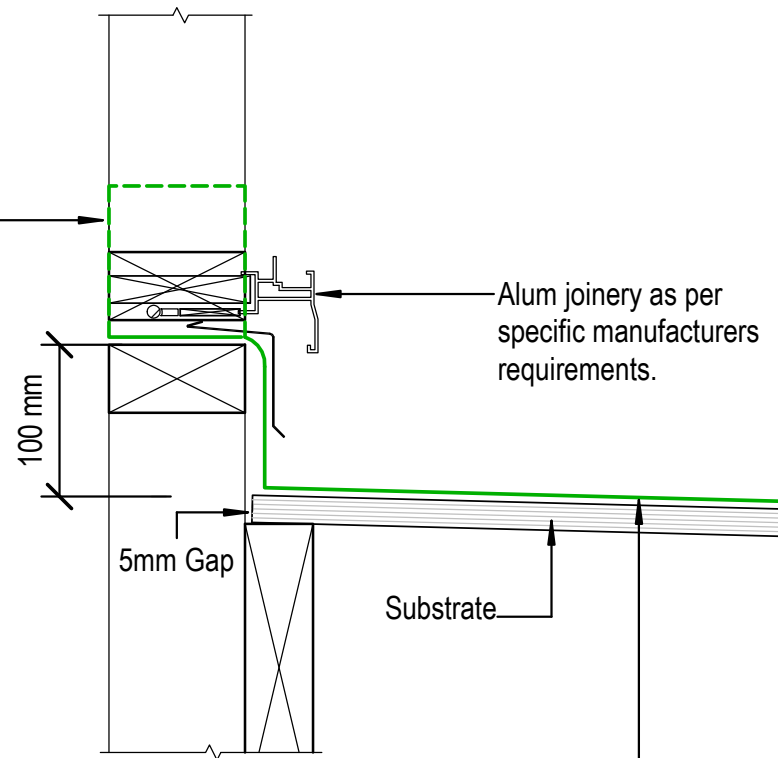
Drawn:

Viking

Detail Ref:

VIK_ENV_090_DOORTHRS

Finish Membrane 100mm
min. up framing at ends.
Width to suit joinery and
cladding. Refer E2/AS1
FIG62(b)(d)



Alum joinery as per
specific manufacturers
requirements.

Substrate

Viking Roofspec 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

DRAWING TITLE

Viking Enviroclad
Threshold_Window

NOTES:

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



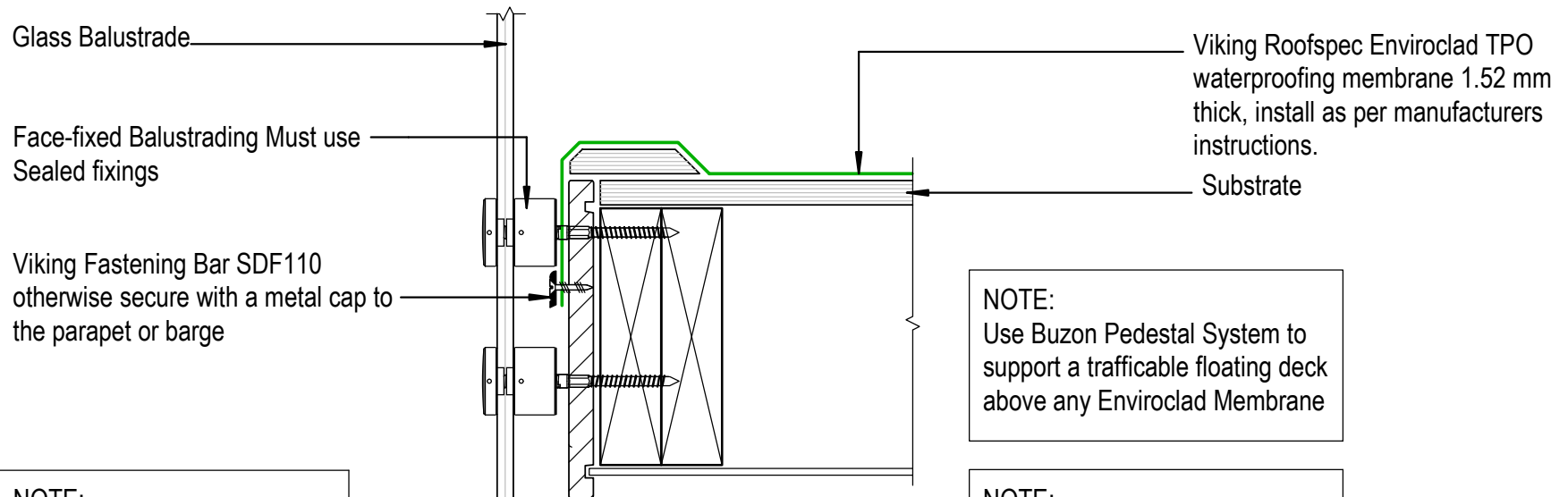
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Scale: Not to Scale	Date:	Drawn:	Viking
Detail Ref:			VIK_ENV_091_WINDTHRS



NOTE:
For a taller Parapet edge with metal cap refer detail VTO40

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

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

DRAWING TITLE

Viking Enviroclad
Deck_Balustrade

NOTES:

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



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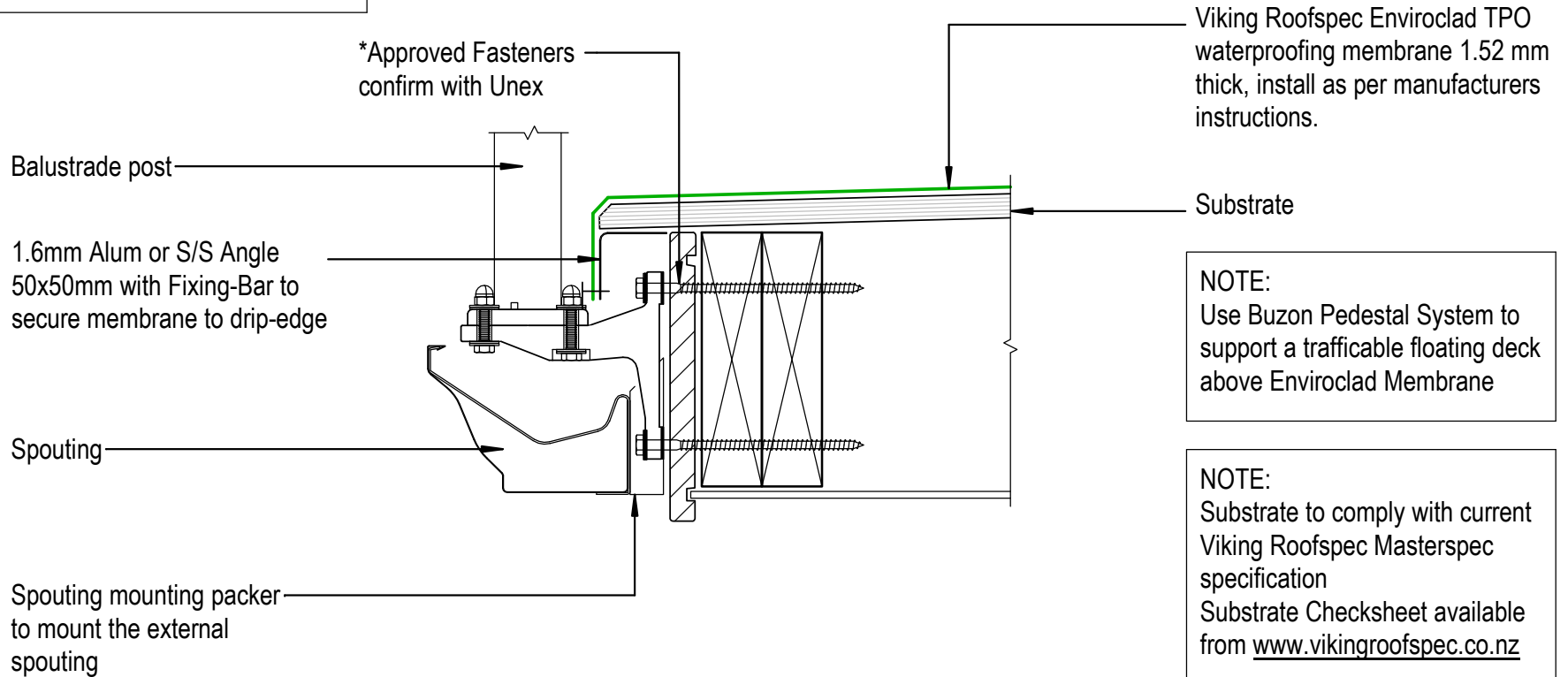
DRAWING

INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Detail Ref:			VIK_ENV_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



DRAWING TITLE

Viking 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 notated.



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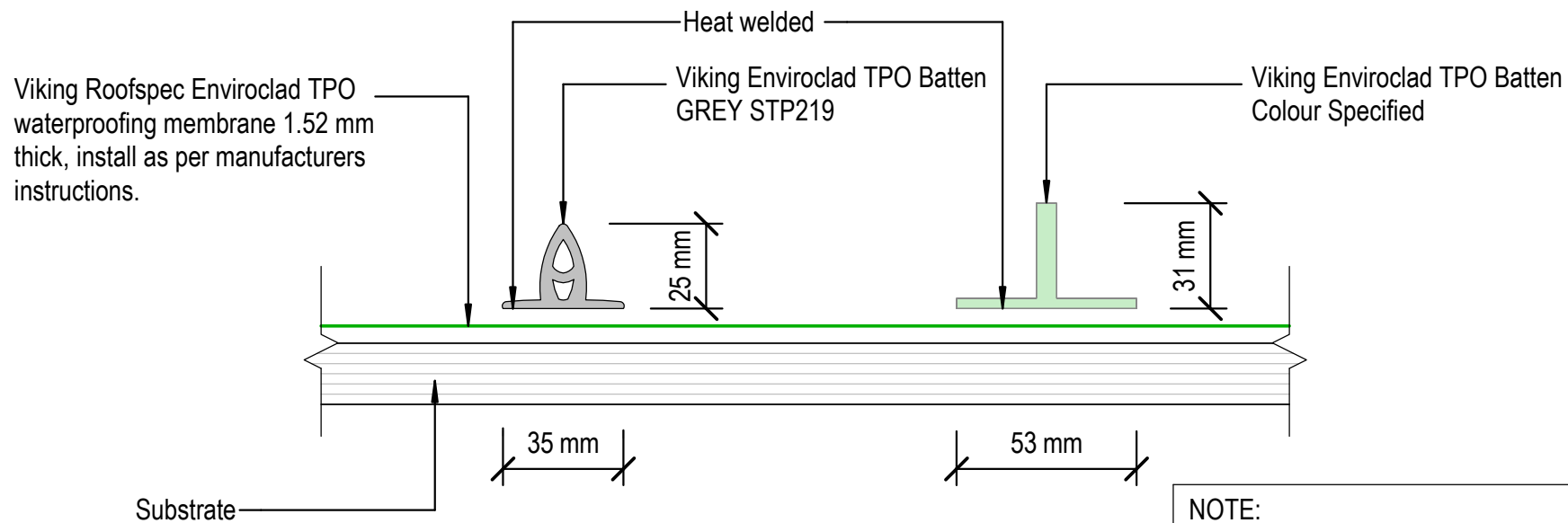
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DRAWING

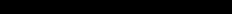
INFORMATION ONLY

Scale:	Date:	Drawn:	Viking
Not to Scale			
Detail Ref: VIK_ENV_101_DECKBALU			

NOTE:
TPO Battens to be Welded directly to Enviroclad TPO membrane, with no penetrations.
Battens 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

 <i>Taking care of detail</i>	DRAWING TITLE	NOTES:	 Enviroclad systems are CodeMarked CODEMARK™ Cert # GM-CM30058-RevC	DRAWING INFORMATION ONLY			
	Viking Enviroclad Accessories_Enviroclad TPO Batten	* Angle fillets are not required at upstands for Enviroclad * All fixings, cladding and structure are indicative only unless notated.		Scale:	Date:	Drawn:	Viking
				Not to Scale			
				Detail Ref: VIK_ENV_120_ACCSTOPB			