

SOLAR - RIB

RESIDENTIAL ROOFING

DETAILS:

REV: DATE:

SRRR0	Cover Sheet	1	May 2025
SRRR1	Ridge Flashing Detail	1	May 2025
SRRR2	Barge Wall Detail	1	May 2025
SRRR3	Barge Soffit Detail	1	May 2025
SRRR4	Raking Barge Flashing Detail	1	May 2025
SRRR5	Sawtooth Wall Detail	1	May 2025
SRRR6	Sawtooth Soffit Detail	1	May 2025
SRRR7	Parapet Apron Detail	1	May 2025
SRRR8	Apron Parallel Detail	1	May 2025
SRRR9	Apron Parallel Two Piece Detail	1	May 2025
SRRR10	Apron Transverse Detail	1	May 2025
SRRR11	Apron Transverse Two Piece Detail	1	May 2025
SRRR12	Change of Pitch Detail	1	May 2025
SRRR13	Mansard Detail	1	May 2025
SRRR14	Valley Detail	1	May 2025
SRRR15	Internal Gutter Detail	1	May 2025
SRRR16	Parallel Hidden Gutter Detail	1	May 2025
SRRR17	Parallel Hidden Gutter Two Piece Detail	1	May 2025
SRRR18	Eave Detail	1	May 2025
SRRR19	Pipe Penetration Direct Fix Detail	1	May 2025
SRRR20	Pipe Penetration Back Tray Detail	1	May 2025

COVER DIMENSIONS AS PER E2/AS1			
	SITUATION 1	SITUATION 2	SITUATION 3
	Low, Medium & High Wind Zones where roof pitch $\geq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Very High zone. Low, Medium & High Wind Zones where roof pitch $\leq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Extra High wind zone (Excludes any soft edge or turn-down)
X	130mm MIN	200mm MIN	200mm MIN
Y	Cover at least two crests (turned-up edge to full crest height constitutes a crest)		
Z	50mm MIN	70mm MIN	90mm MIN

Ridge flashing to match roofing.
Materials & Fixings as per Dimond Technical Data, E2/AS1 & MRM Code of Practice

Notched to suit roofing profile

Dimond Solar - Rib Trapezoidal roofing

Roof Underlay (shown dashed)

Slit 200mm slots in underlay every 400mm to allow ventilation

Stopends to Dimond Roofing

Prefinished screw with neoprene washer

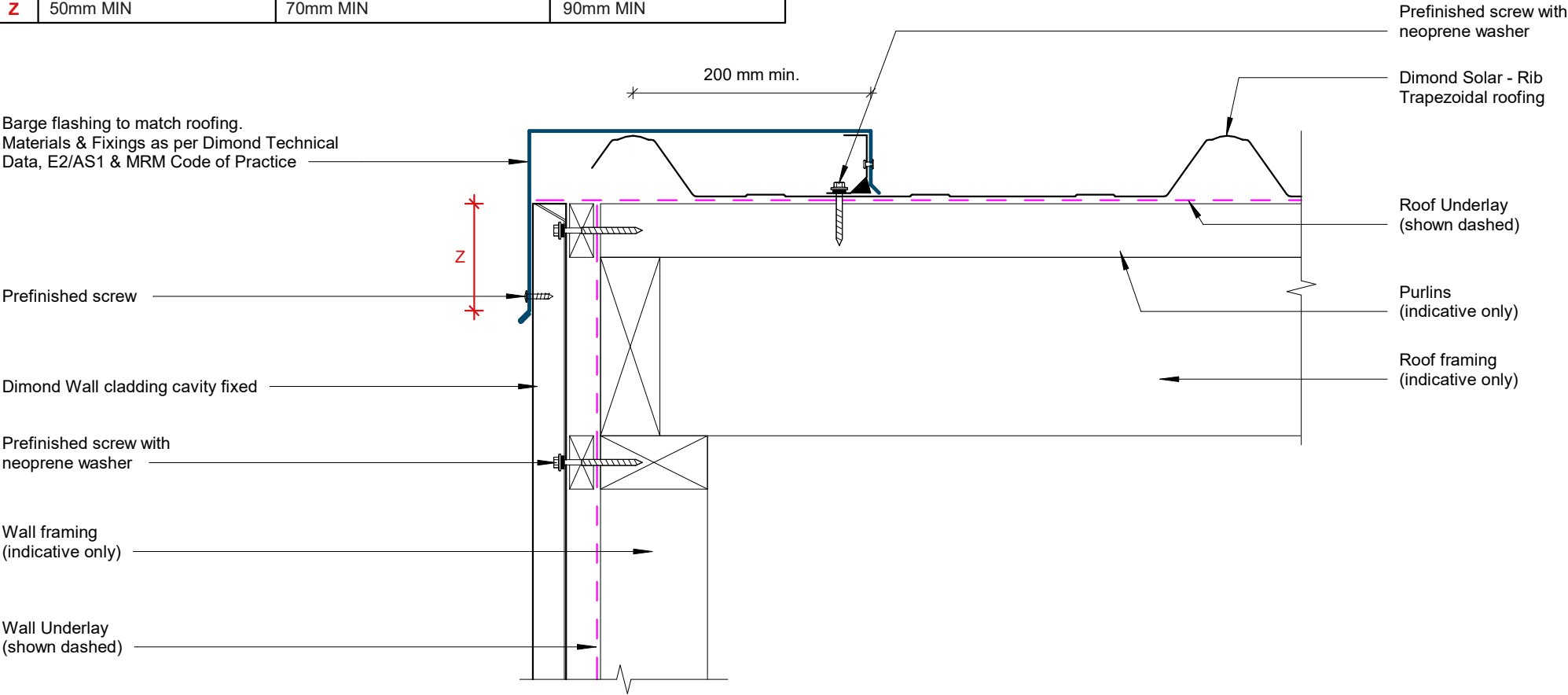
Purlins (indicative only)

Roof framing (indicative only)

20mm min.gap
between sheet ends

Ridge Flashing Detail

COVER DIMENSIONS AS PER E2/AS1		
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Low, Medium & High Wind Zones where roof pitch $\geq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Very High zone. Low, Medium & High Wind Zones where roof pitch $\leq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Extra High wind zone (Excludes any soft edge or turn-down)
X 130mm MIN	200mm MIN	200mm MIN
Y	Cover at least two crests (turned-up edge to full crest height constitutes a crest)	
Z 50mm MIN	70mm MIN	90mm MIN



GENERAL NOTE

Cavity battens or timber framing that contain copper must be seperated from steel cladding by a strip of wall or roof underlay or DPC.

Barge Wall Detail

COVER DIMENSIONS AS PER E2/AS1		
SITUATION 1	SITUATION 2	SITUATION 3
Low, Medium & High Wind Zones where roof pitch $\geq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Very High zone. Low, Medium & High Wind Zones where roof pitch $\leq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Extra High wind zone (Excludes any soft edge or turn-down)
X 130mm MIN	200mm MIN	200mm MIN
Y Cover at least two crests (turned-up edge to full crest height constitutes a crest)		
Z 50mm MIN	70mm MIN	90mm MIN

Barge flashing to match roofing.
Materials & Fixings as per Dimond Technical Data, E2/AS1 & MRM Code of Practice

Prefinished screw

Fascia

Soffit lining

Flashing to match roofing.
Materials & Fixings as per Dimond Technical Data, E2/AS1 & MRM Code of Practice

Dimond Wall cladding cavity fixed

200 mm min.

100

Z

5

Prefinished screw with neoprene washer

Dimond Solar - Rib Trapezoidal roofing

Roof Underlay (shown dashed)

Purlins (indicative only)

Roof framing (indicative only)

Prefinished screw with neoprene washer

Prefinished screw

Wall Underlay (shown dashed)

Wall framing (indicative only)

GENERAL NOTE

Cavity battens or timber framing that contain copper must be seperated from steel cladding by a strip of wall or roof underlay or DPC.

Barge Soffit Detail

COVER DIMENSIONS AS PER E2/AS1		
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X 130mm MIN	200mm MIN	200mm MIN
Y Cover at least two crests (turned-up edge to full crest height constitutes a crest)		
Z 50mm MIN	70mm MIN	90mm MIN

Barge flashing to match roofing.
Materials & Fixings as per Dimond Technical Data, E2/AS1 & MRM Code of Practice

Stopends to Dimond Roofing

Prefinished screw

Fascia

Soffit lining

Flashing to match roofing Materials & Fixings as per Dimond Technical Data, E2/AS1 & MRM Code of Practice

Dimond Wall cladding cavity fixed

Prefinished screw with neoprene washer

Notched to suit roofing profile

Dimond Solar - Rib Trapezoidal roofing

Purlins (indicative only)

Roof Underlay (shown dashed)

Roof framing (indicative only)

Prefinished screw with neoprene washer

Prefinished screw

Wall Underlay (shown dashed)

Wall framing (show indicative only)

GENERAL NOTE

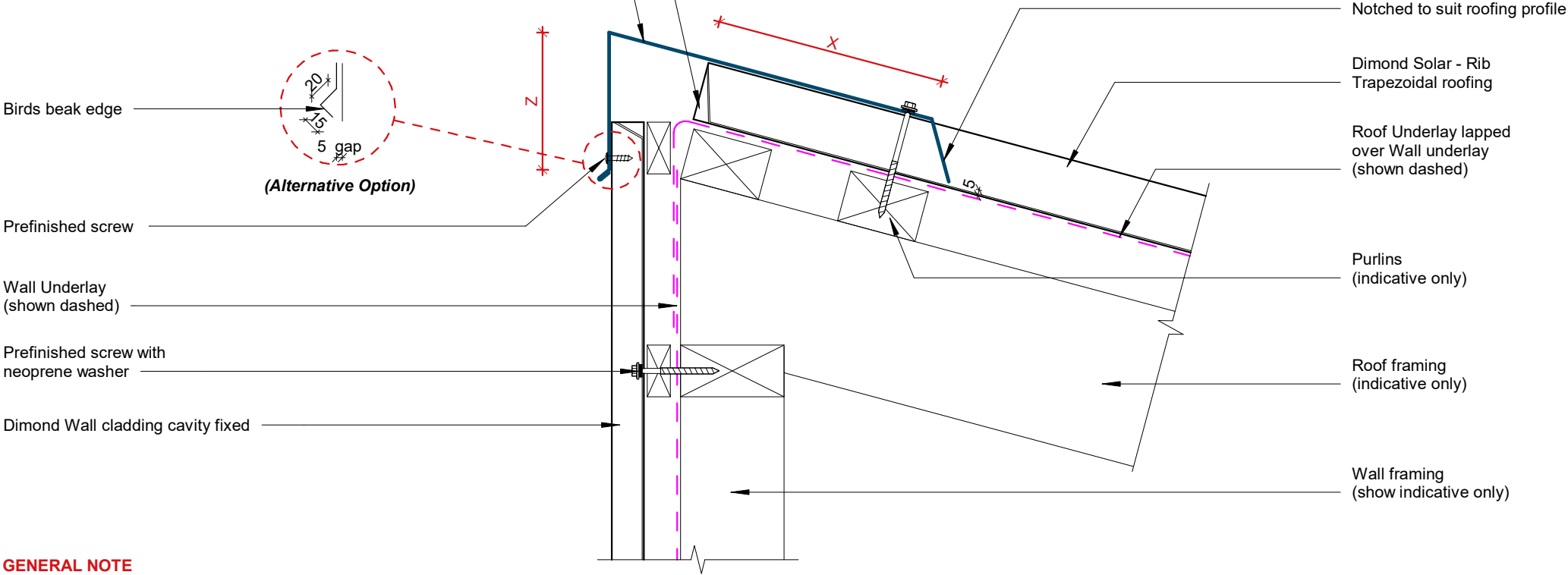
Cavity battens or timber framing that contain copper must be seperated from steel cladding by a strip of wall or roof underlay or DPC.

Raking Barge Flashing Detail

COVER DIMENSIONS AS PER E2/AS1		
SITUATION 1	SITUATION 2	SITUATION 3
Low, Medium & High Wind Zones where roof pitch $\geq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Very High zone. Low, Medium & High Wind Zones where roof pitch $\leq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Extra High wind zone (Excludes any soft edge or turn-down)
X 130mm MIN	200mm MIN	200mm MIN
Y Cover at least two crests (turned-up edge to full crest height constitutes a crest)		
Z 50mm MIN	70mm MIN	90mm MIN

Stopends to Dimond Roofing

Flashing to match roofing.
Materials & Fixings as per Dimond Technical
Data, E2/AS1 & MRM Code of Practice



GENERAL NOTE

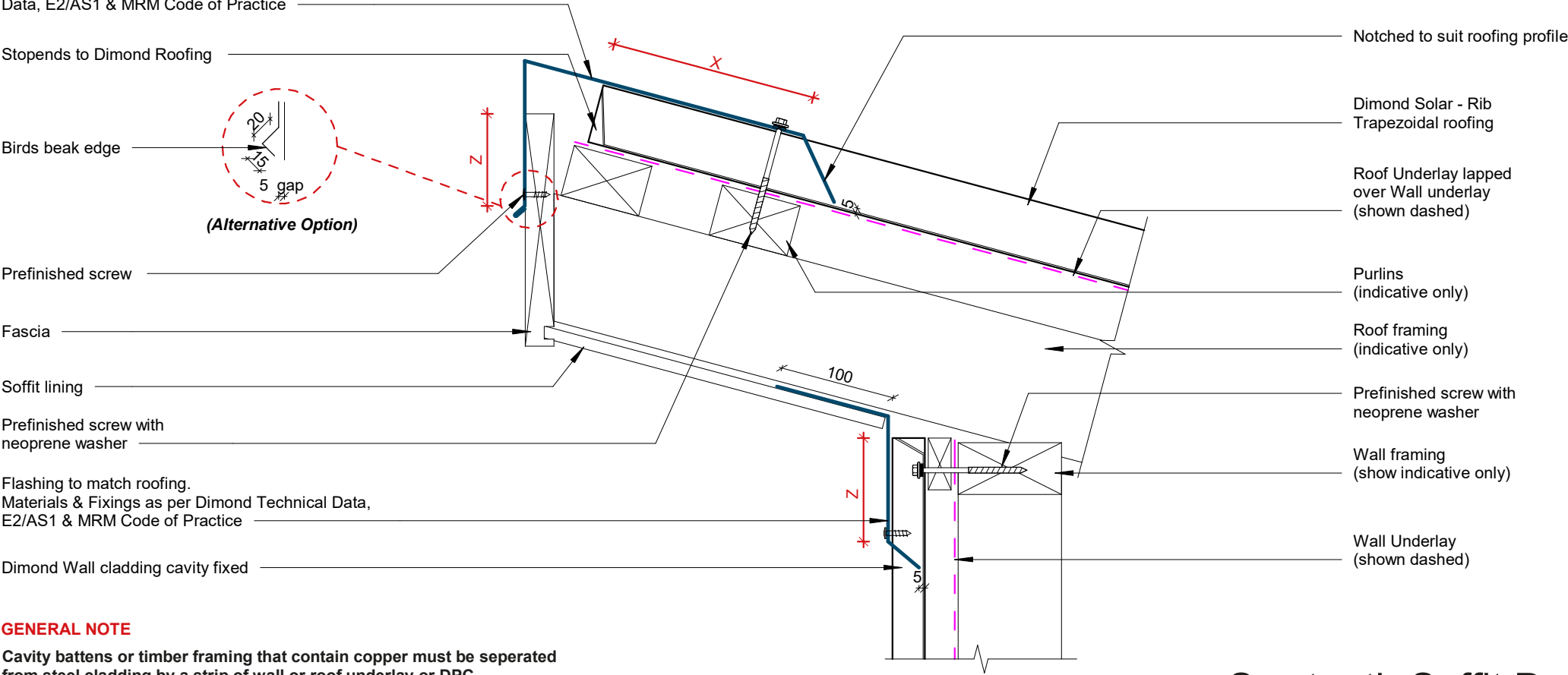
Cavity battens or timber framing that contain copper must be seperated from steel cladding by a strip of wall or roof underlay or DPC.

Sawtooth Wall Detail

Rev: 1 Solar - Rib Residential Roofing

COVER DIMENSIONS AS PER E2/AS1		
SITUATION 1	SITUATION 2	SITUATION 3
Low, Medium & High Wind Zones where roof pitch $\geq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Very High zone. Low, Medium & High Wind Zones where roof pitch $\leq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Extra High wind zone (Excludes any soft edge or turn-down)
X 130mm MIN	200mm MIN	200mm MIN
Y Cover at least two crests (turned-up edge to full crest height constitutes a crest)		
Z 50mm MIN	70mm MIN	90mm MIN

Flashing to match roofing.
Materials & Fixings as per Dimond Technical Data, E2/AS1 & MRM Code of Practice

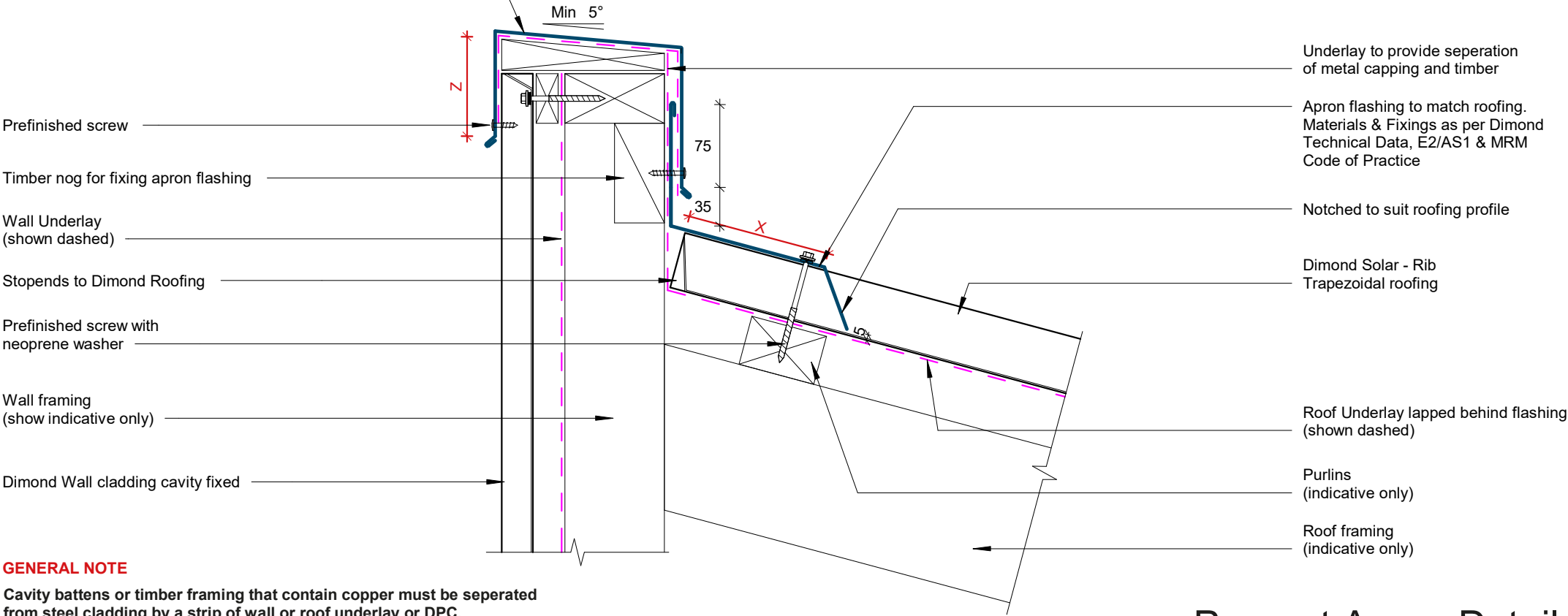


GENERAL NOTE
Cavity battens or timber framing that contain copper must be separated from steel cladding by a strip of wall or roof underlay or DPC.

Sawtooth Soffit Detail

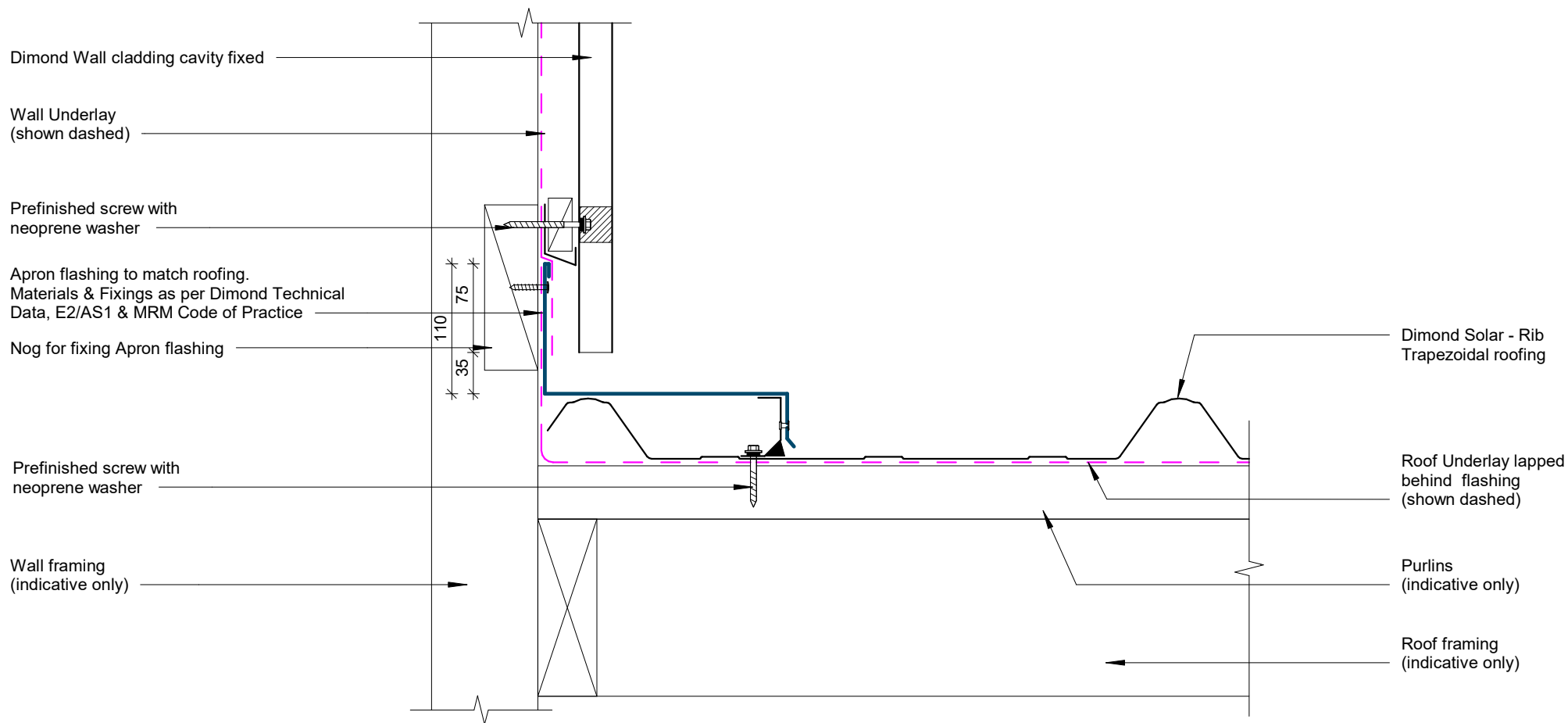
COVER DIMENSIONS AS PER E2/AS1		
SITUATION 1	SITUATION 2	SITUATION 3
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X 130mm MIN	200mm MIN	200mm MIN
Y Cover at least two crests (turned-up edge to full crest height constitutes a crest)		
Z 50mm MIN	70mm MIN	90mm MIN

Parapet cap flashing to match roofing.
Materials & Fixings as per Dimond Technical Data, E2/AS1 & MRM Code of Practice



GENERAL NOTE
Cavity battens or timber framing that contain copper must be separated from steel cladding by a strip of wall or roof underlay or DPC.

Parapet Apron Detail

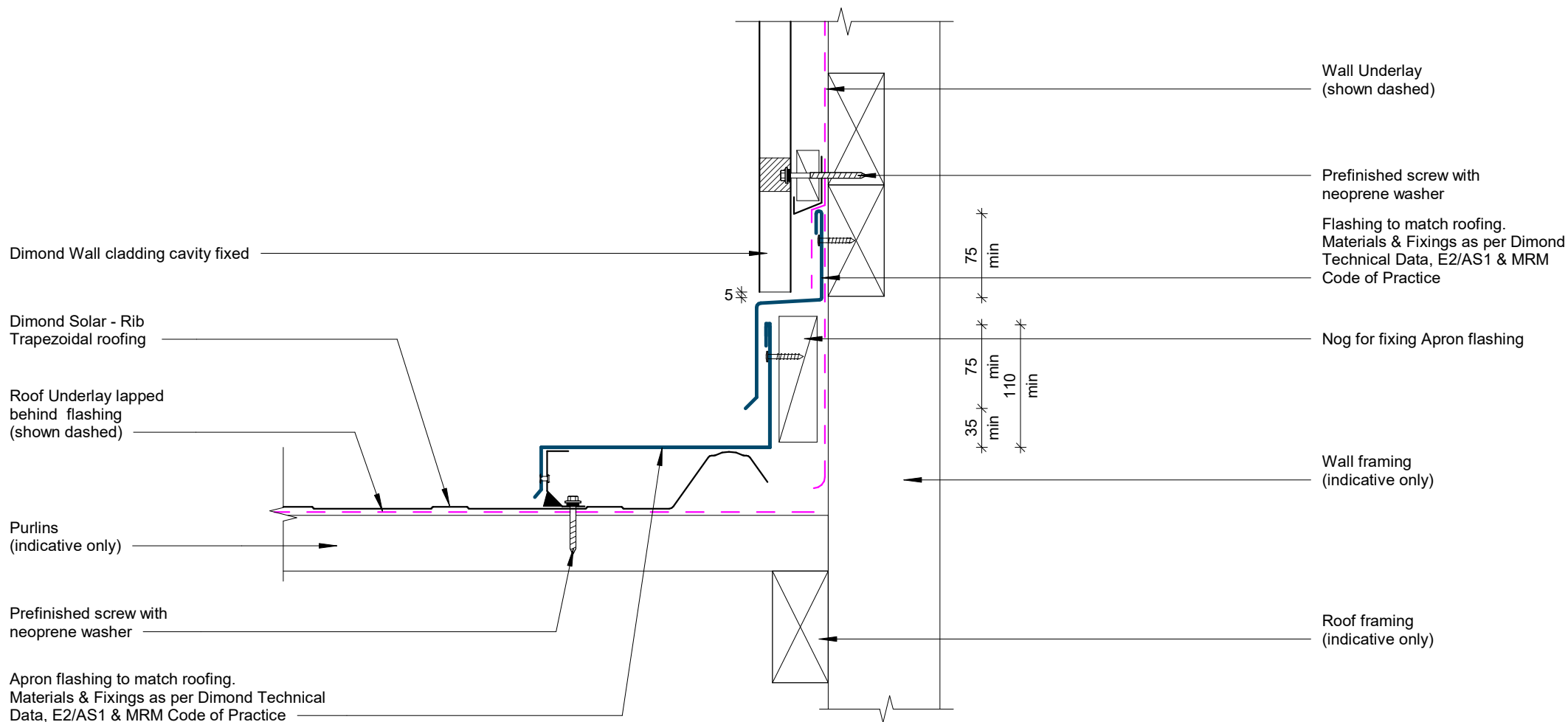


GENERAL NOTE

Cavity battens or timber framing that contain copper must be seperated from steel cladding by a strip of wall or roof underlay or DPC.

Apron Parallel Detail

Rev: 1 Solar - Rib Residential Roofing

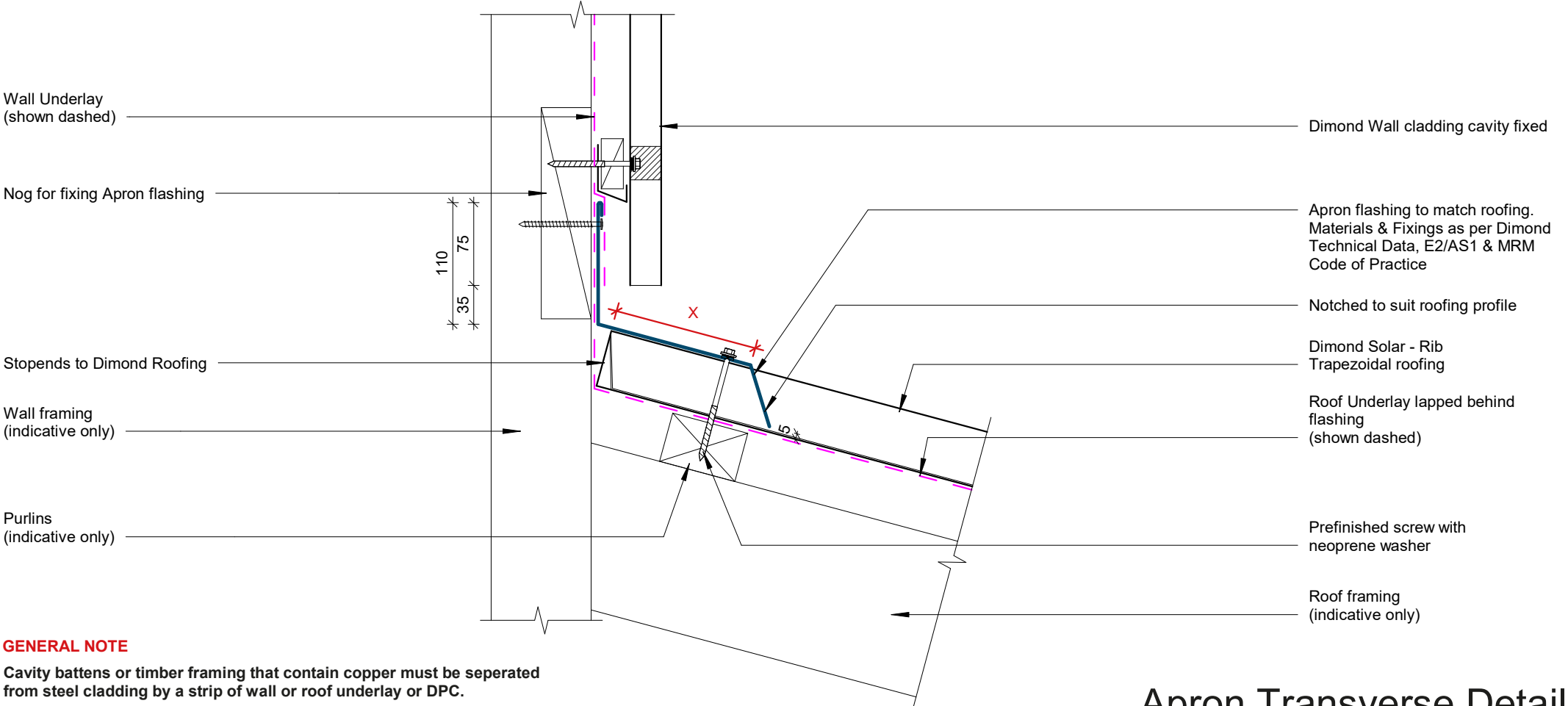


GENERAL NOTE

Cavity battens or timber framing that contain copper must be separated from steel cladding by a strip of wall or roof underlay or DPC.

Apron Parallel Two Piece Detail

COVER DIMENSIONS AS PER E2/AS1			
	SITUATION 1	SITUATION 2	SITUATION 3
	Low, Medium & High Wind Zones where roof pitch $\geq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Very High zone. Low, Medium & High Wind Zones where roof pitch $\leq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Extra High wind zone (Excludes any soft edge or turn-down)
X	130mm MIN	200mm MIN	200mm MIN
Y	Cover at least two crests (turned-up edge to full crest height constitutes a crest)		
Z	50mm MIN	70mm MIN	90mm MIN



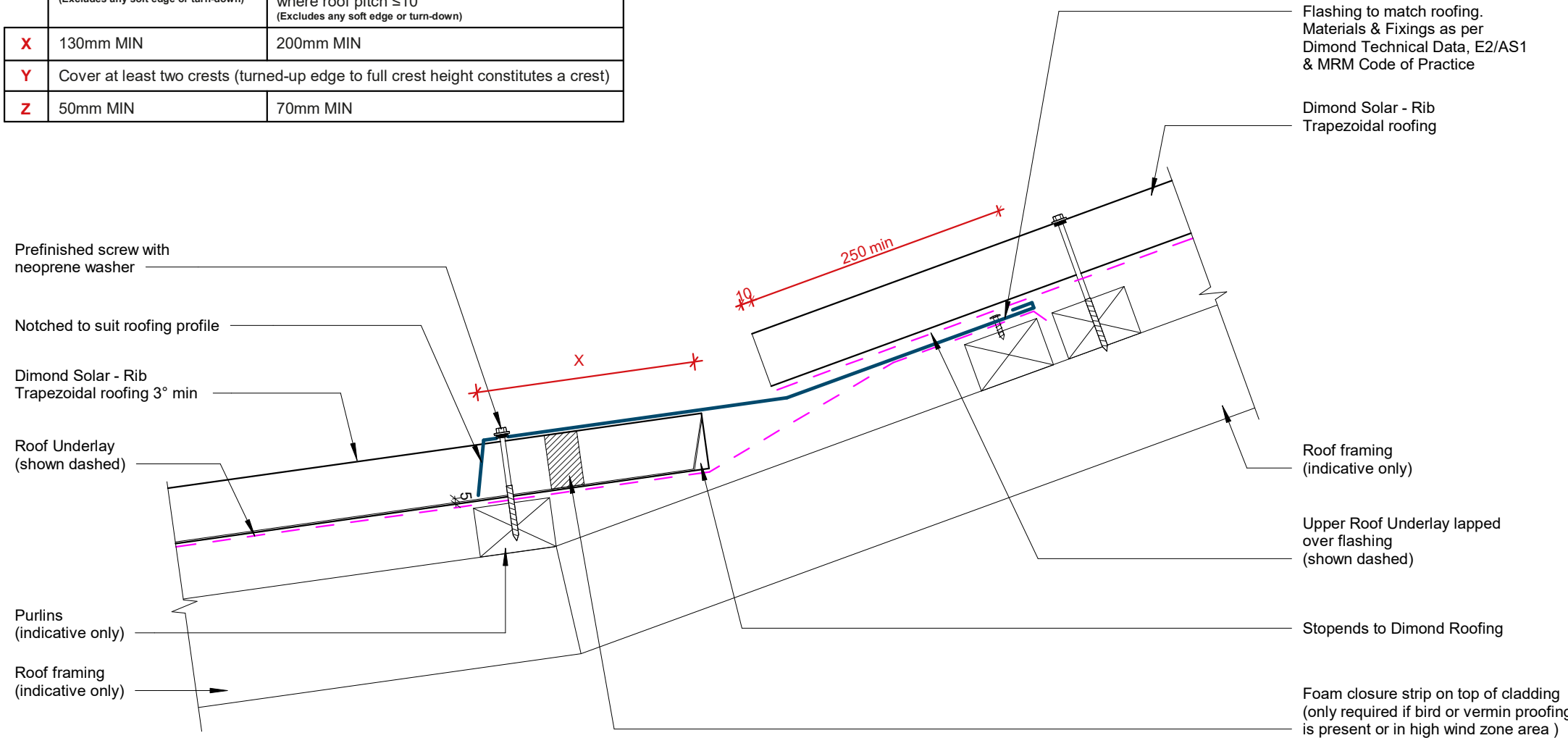
Apron Transverse Detail

COVER DIMENSIONS AS PER E2/AS1			
	SITUATION 1	SITUATION 2	SITUATION 3
	Low, Medium & High Wind Zones where roof pitch $\geq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Very High zone. Low, Medium & High Wind Zones where roof pitch $\leq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Extra High wind zone (Excludes any soft edge or turn-down)
X	130mm MIN	200mm MIN	200mm MIN
Y	Cover at least two crests (turned-up edge to full crest height constitutes a crest)		
Z	50mm MIN	70mm MIN	90mm MIN



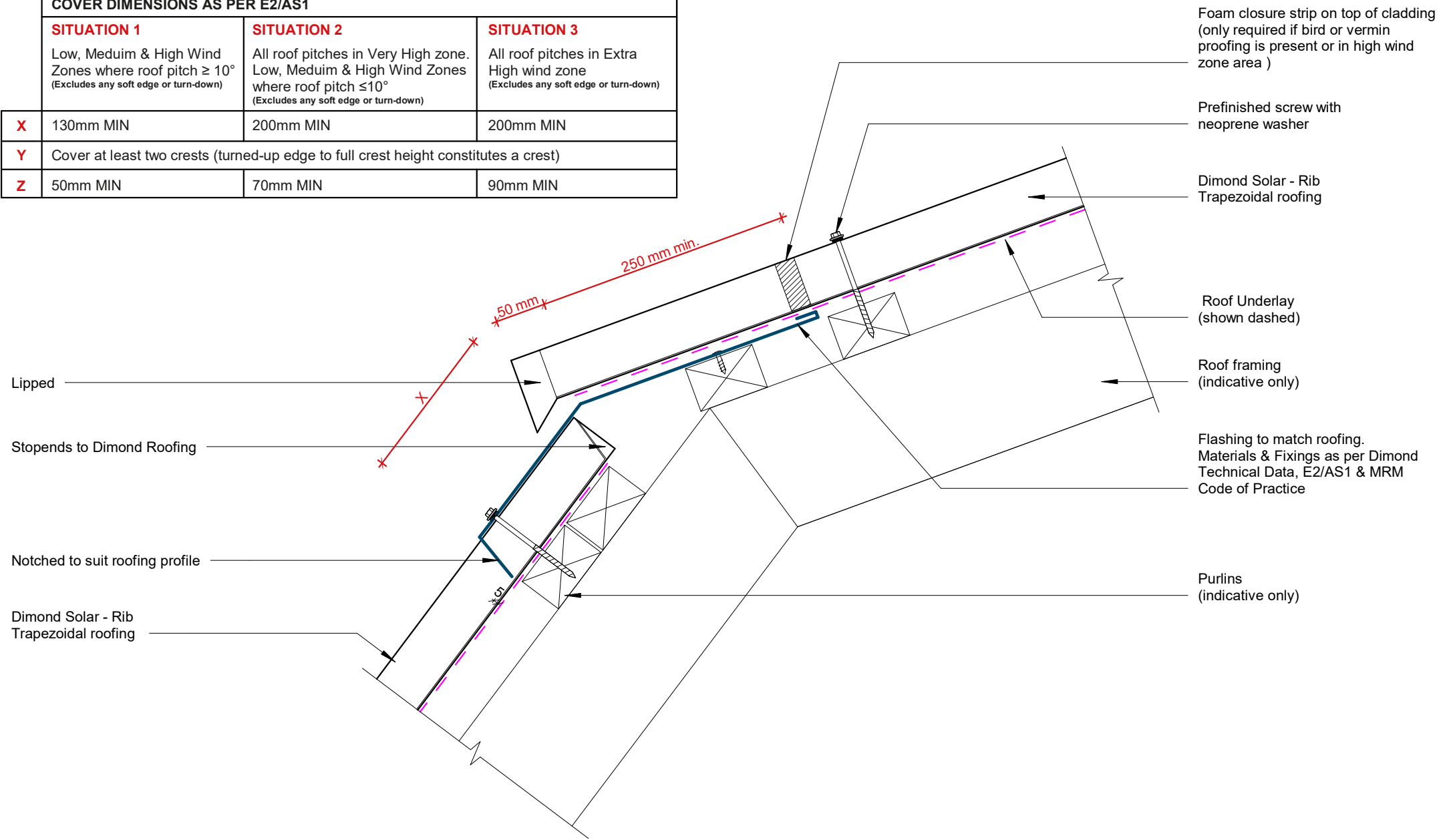
Apron Transverse Two Piece Detail

COVER DIMENSIONS AS PER E2/AS1		
	SITUATION 1	SITUATION 2
	Low, Medium & High Wind Zones where roof pitch $\geq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Very High zone. Low, Medium & High Wind Zones where roof pitch $\leq 10^\circ$ (Excludes any soft edge or turn-down)
X	130mm MIN	200mm MIN
Y	Cover at least two crests (turned-up edge to full crest height constitutes a crest)	
Z	50mm MIN	70mm MIN

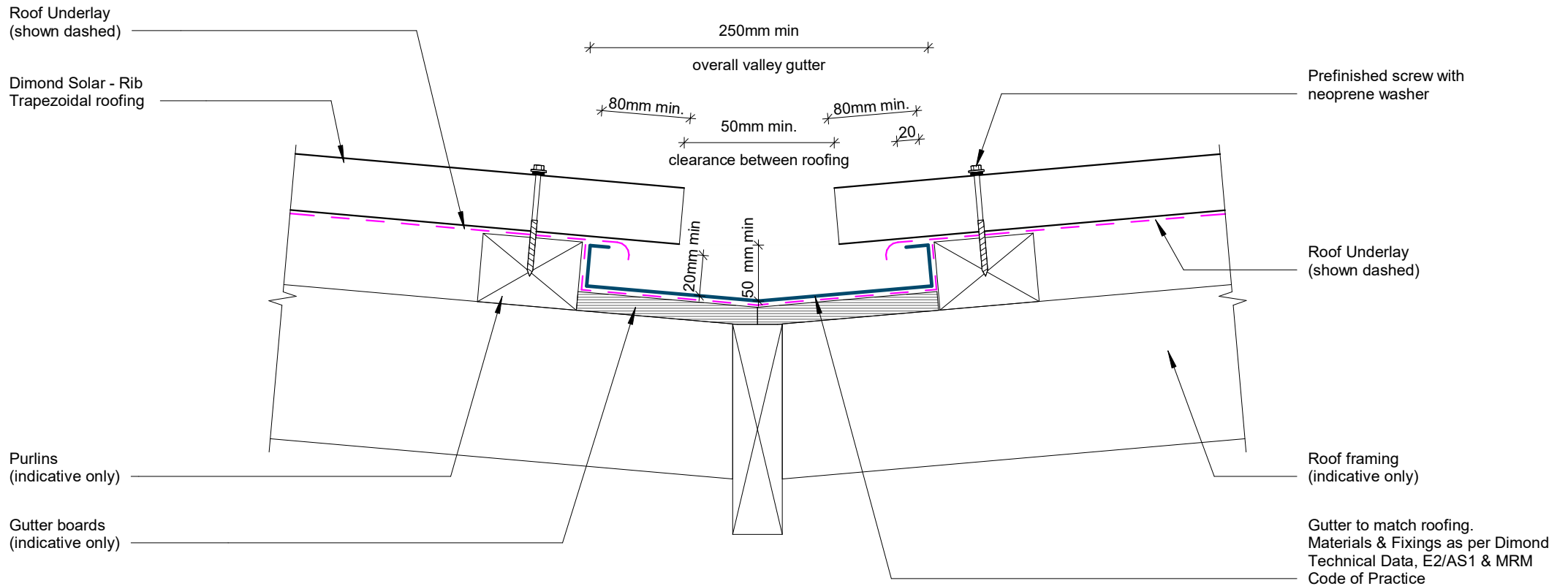


Change of Pitch Detail

COVER DIMENSIONS AS PER E2/AS1			
	SITUATION 1	SITUATION 2	SITUATION 3
	Low, Medium & High Wind Zones where roof pitch $\geq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Very High zone. Low, Medium & High Wind Zones where roof pitch $\leq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Extra High wind zone (Excludes any soft edge or turn-down)
X	130mm MIN	200mm MIN	200mm MIN
Y	Cover at least two crests (turned-up edge to full crest height constitutes a crest)		
Z	50mm MIN	70mm MIN	90mm MIN



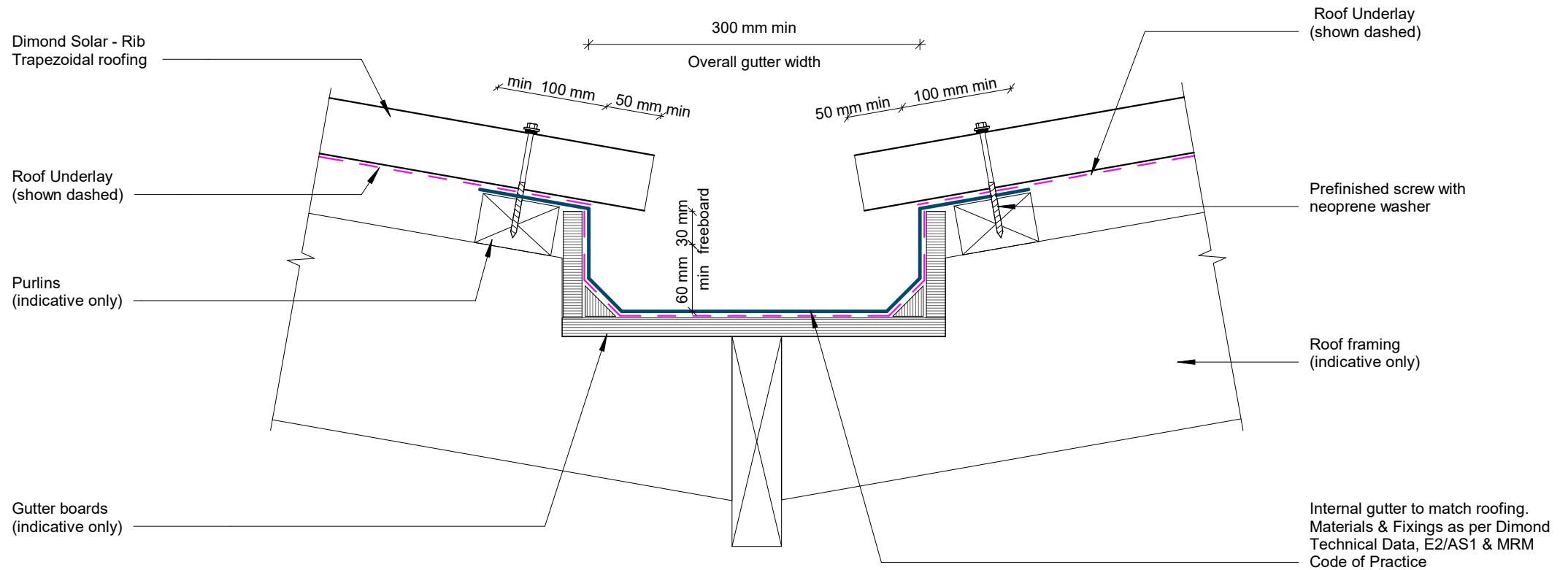
Mansard Detail



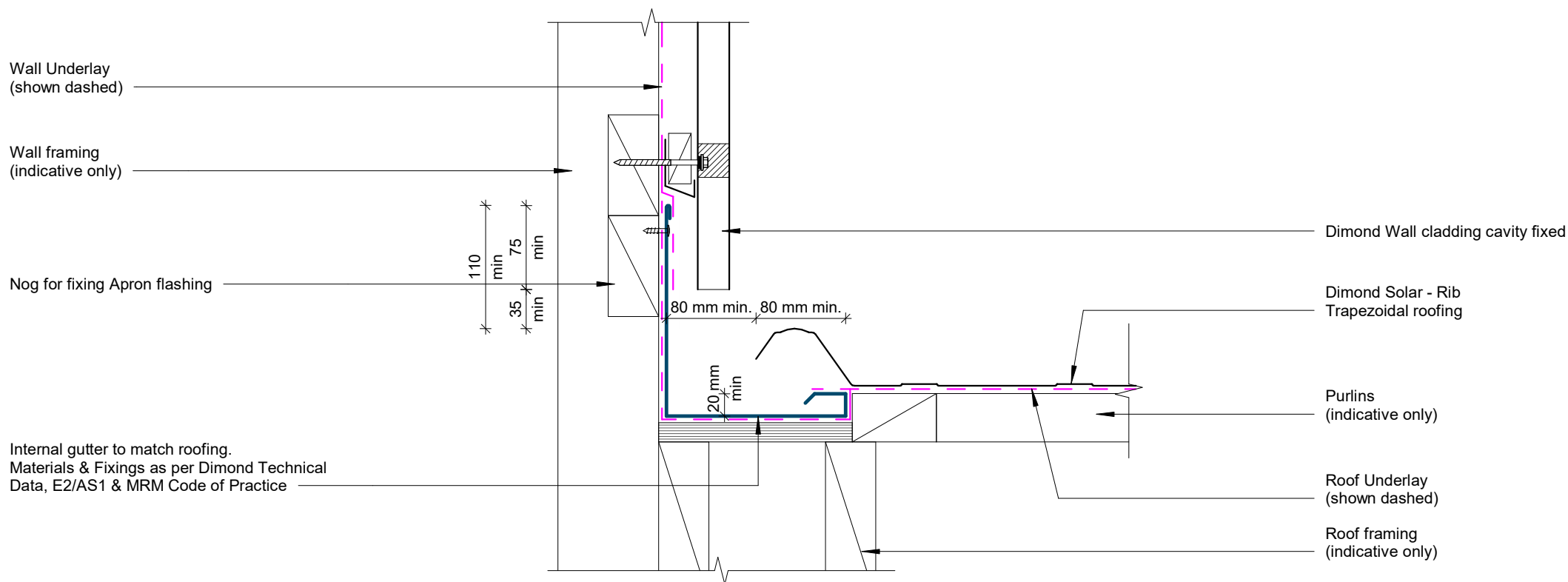
Refer to New Zealand metal roof manufacturers code of practice for design & minimum dimensions for valley gutter.

Valley Detail

Gutter size to E2/AS1 or MRM Code of practice.
Refer to New Zealand metal roof manufacturers code of practice for design & minimum dimensions.



Internal Gutter Detail



GENERAL NOTE

Cavity battens or timber framing that contain copper must be separated from steel cladding by a strip of wall or roof underlay or DPC.

Parallel Hidden Gutter Detail

COVER DIMENSIONS AS PER E2/AS1			
	SITUATION 1	SITUATION 2	SITUATION 3
	Low, Medium & High Wind Zones where roof pitch $\geq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Very High zone. Low, Medium & High Wind Zones where roof pitch $\leq 10^\circ$ (Excludes any soft edge or turn-down)	All roof pitches in Extra High wind zone (Excludes any soft edge or turn-down)
X	130mm MIN	200mm MIN	200mm MIN
Y	Cover at least two crests (turned-up edge to full crest height constitutes a crest)		
Z	50mm MIN	70mm MIN	90mm MIN

Dimond Solar - Rib
Trapezoidal roofing

Roof Underlay
(shown dashed)

Purlins
(indicative only)

Roof framing
(indicative only)

Prefinished screw with
neoprene washer

Wall Underlay
(shown dashed)

Wall framing
(indicative only)

Prefinished screw
with neoprene washer

Gutter aprons as required

35 mm min
overlap

Gutter bracket

Flashing to match roofing.
Materials & Fixings as per Dimond
Technical Data, E2/AS1 & MRM
Code of Practice

Dimond Wall cladding cavity fixed

GENERAL NOTE

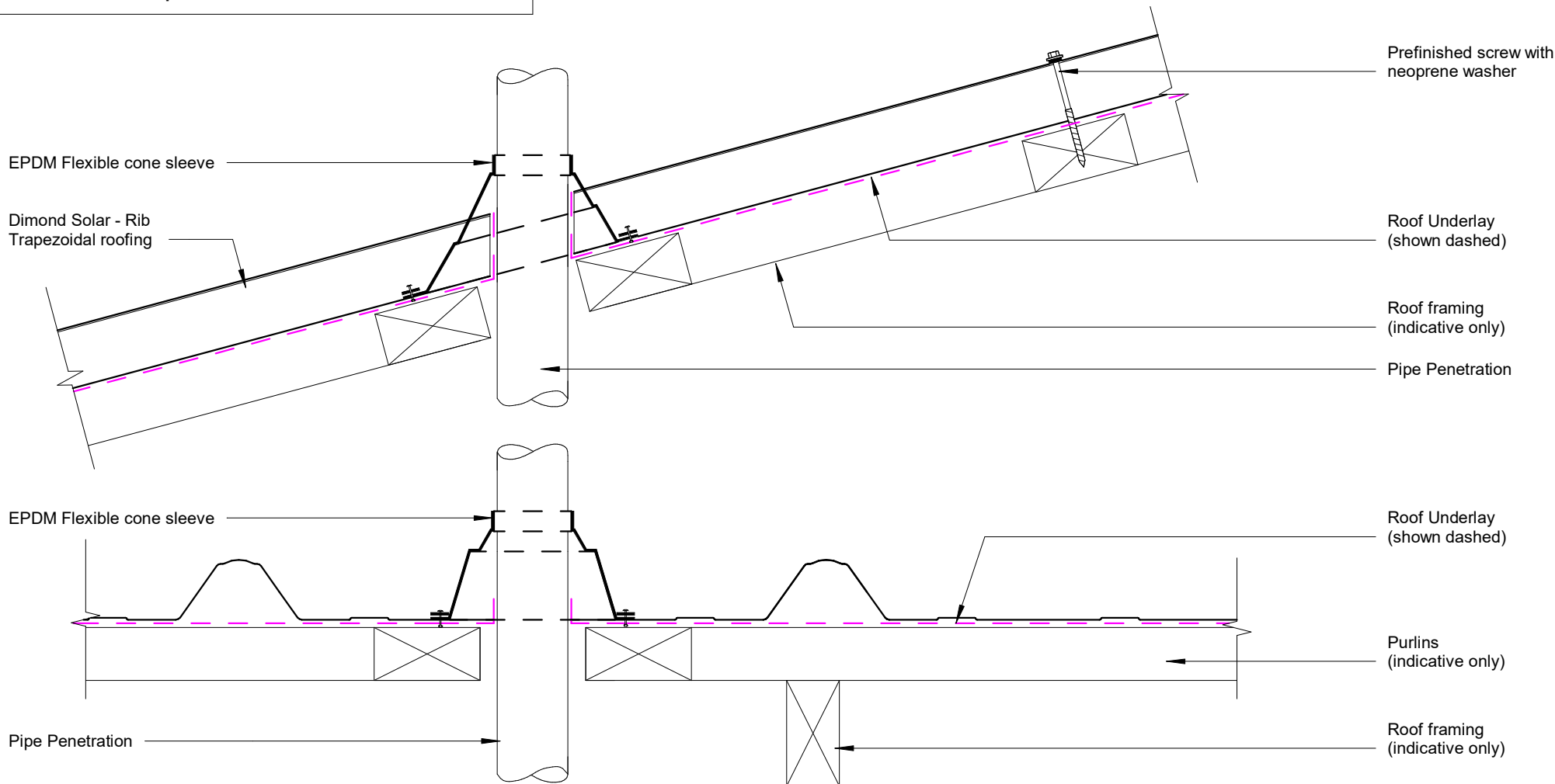
Cavity battens or timber framing that contain copper must be seperated from steel cladding by a strip of wall or roof underlay or DPC.

Eave Detail

Note:

Min 10° for pipe penetration direct fix boot flashing is applicable for when less than 50% blockage occurs.

When exceeding 50% blockage, refer to back tray boot flashing. Refer MRM code of practice.



Pipe Penetration Direct Fix Detail

COVER DIMENSIONS AS PER E2/AS1

SITUATION 1

Low, Medium & High Wind Zones where roof pitch $\geq 10^\circ$
(Excludes any soft edge or turn-down)

SITUATION 2

All roof pitches in Very High zone.
Low, Medium & High Wind Zones where roof pitch $\leq 10^\circ$
(Excludes any soft edge or turn-down)

SITUATION 3

All roof pitches in Extra High wind zone
(Excludes any soft edge or turn-down)

X	130mm MIN	200mm MIN	200mm MIN
Y	Cover at least two crests (turned-up edge to full crest height constitutes a crest)		
Z	50mm MIN	70mm MIN	90mm MIN

Note:
Min 3° for pipe penetration with a boot flashing.
Refer MRM code of practice

Back Tray to match roofing.
Materials & Fixings as per Dimond Technical Data, E2/AS1 & MRM Code of Practice

Ridge flashing to match roofing.
Materials & Fixings as per Dimond Technical Data, E2/AS1 & MRM Code of Practice

Stopends to Dimond Roofing

Notched to suit roofing profile

EPDM Flexible cone sleeve

Prefinished screw with neoprene washer

Dimond Solar - Rib Trapezoidal roofing

Roof Underlay (shown dashed)

Pipe Penetration

Flange, screw or rivet fixed and sealed to roofing profile.

Barge flashing to match roofing.
Materials & Fixings as per Dimond Technical Data, E2/AS1 & MRM Code of Practice

Purlins (indicative only)

Roof Underlay (shown dashed)

Nogs between purlins for penetration

Roof framing (indicative only)

Pipe Penetration Back Tray Detail