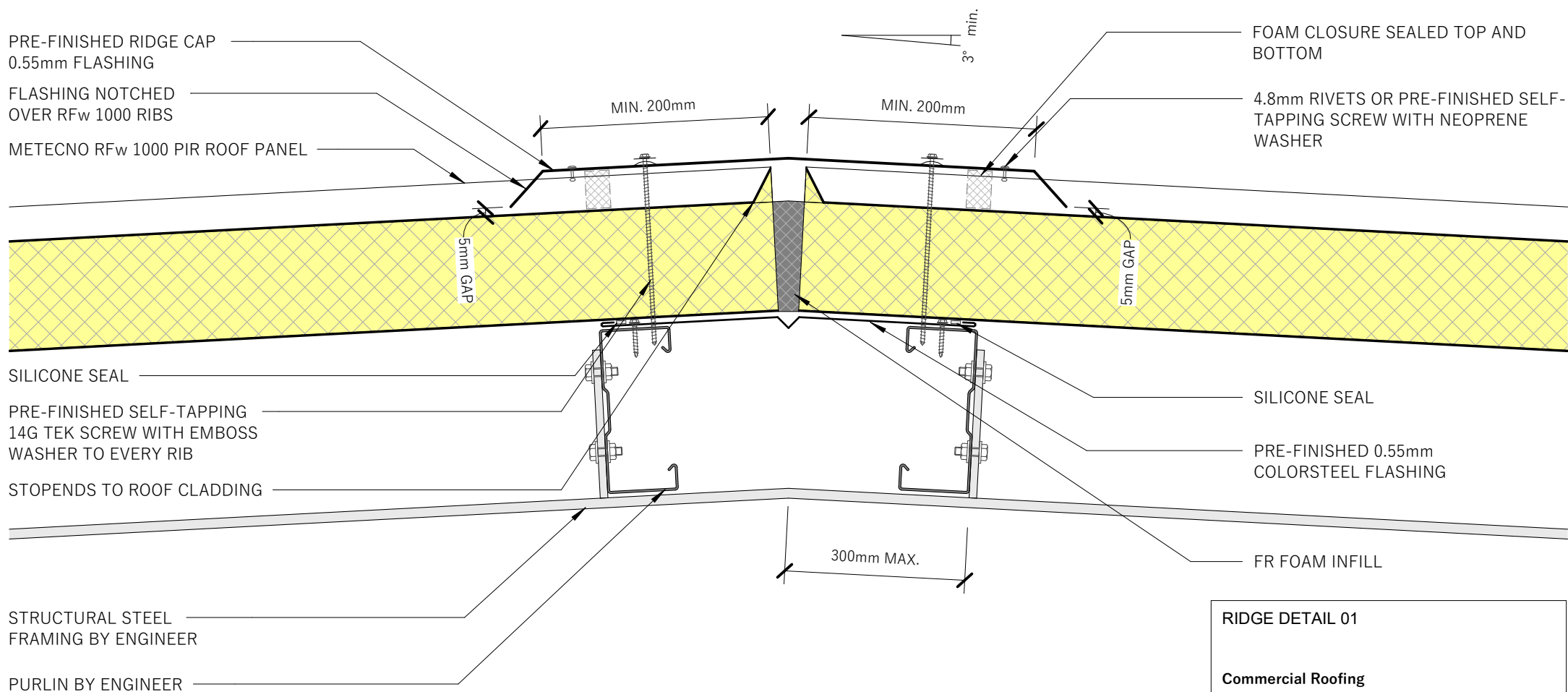


RFw 1000

COMMERCIAL ROOFING

DETAIL LIST			Revision	Date	DETAIL LIST			Revision	Date
00 / 46	COVER SHEET		1.0	JULY 2026	24 / 46	CANTILEVER BARGE CAPPING DETAIL WITH SOFFIT 01 ON FLAT PANEL		1.0	JULY 2026
01 / 46	RIDGE DETAIL 01		1.0	JULY 2026	25 / 46	CANTILEVER BARGE CAPPING DETAIL WITH SOFFIT 02 ON TRAPEZOIDAL PANEL		1.0	JULY 2026
02 / 46	RIDGE DETAIL 02		1.0	JULY 2026	26 / 46	CANTILEVER BARGE CAPPING DETAIL WITH SOFFIT 02 ON FLAT PANEL		1.0	JULY 2026
03 / 46	SAWTOOTH DETAIL WITH NO SOFFIT ON TRAPEZOIDAL PANEL		1.0	JULY 2026	27 / 46	EXPANSION STEP DETAIL		1.0	JULY 2026
04 / 46	SAWTOOTH DETAIL WITH NO SOFFIT ON FLAT PANEL		1.0	JULY 2026	28 / 46	END LAP DETAIL ON STEEL		1.0	JULY 2026
05 / 46	SAWTOOTH DETAIL WITH SOFFIT 01 ON TRAPEZOIDAL PANEL		1.0	JULY 2026	29 / 46	BOX GUTTER 125 DETAIL 01 ON TRAPEZOIDAL PANEL		1.0	JULY 2026
06 / 46	SAWTOOTH DETAIL WITH SOFFIT 01 ON FLAT PANEL		1.0	JULY 2026	30 / 46	BOX GUTTER 125 DETAIL 01 ON FLAT PANEL		1.0	JULY 2026
07 / 46	SAWTOOTH DETAIL WITH SOFFIT 02 ON TRAPEZOIDAL PANEL		1.0	JULY 2026	31 / 46	BOX GUTTER 125 DETAIL 02 ON TRAPEZOIDAL PANEL		1.0	JULY 2026
08 / 46	SAWTOOTH DETAIL WITH SOFFIT 02 ON FLAT PANEL		1.0	JULY 2026	32 / 46	BOX GUTTER 125 DETAIL 02 ON FLAT PANEL		1.0	JULY 2026
09 / 46	EAVES GUTTER DETAIL ON FLAT PANEL		1.0	JULY 2026	33 / 46	BARGE/PARAPET DETAIL FOR CONCRETE SKILLION		1.0	JULY 2026
10 / 46	EAVES GUTTER DETAIL ON TRAPEZOIDAL INSULATED PANEL		1.0	JULY 2026	34 / 46	HEAD FLASHING DETAIL ON CONCRETE		1.0	JULY 2026
11 / 46	INSULATED INTERNAL BOX GUTTER		1.0	JULY 2026	35 / 46	EAVES GUTTER DETAIL ON CONCRETE		1.0	JULY 2026
12 / 46	BARGE WITH PROFILED CLADDING 01 ON TRAPEZOIDAL PANEL		1.0	JULY 2026	36 / 46	INSULATED GUTTER TO CONCRETE WALL		1.0	JULY 2026
13 / 46	BARGE WITH PROFILED CLADDING 01 ON FLAT PANEL		1.0	JULY 2026	37 / 46	BARGE CAPPING DETAIL ON CONCRETE WALL 01		1.0	JULY 2026
14 / 46	BARGE WITH PROFILED CLADDING 02 ON TRAPEZOIDAL PANEL		1.0	JULY 2026	38 / 46	BARGE CAPPING DETAIL ON CONCRETE WALL 02		1.0	JULY 2026
15 / 46	BARGE WITH PROFILED CLADDING 02 ON FLAT PANEL		1.0	JULY 2026	39 / 46	BARGE/PARAPET DETAIL ON CONCRETE		1.0	JULY 2026
16 / 46	BARGE WITH FLAT CLADDING		1.0	JULY 2026	40 / 46	BARGE TO PRECAST CONCRETE WALL		1.0	JULY 2026
17 / 46	BARGE CAPPING NO SOFFIT 01 ON TRAPEZOIDAL PANEL		1.0	JULY 2026	41 / 46	EAVES BOX GUTTER 175 DETAIL ON TIMBER ROOF STRUCTURE RIGID UNDERLAY		1.0	JULY 2026
18 / 46	BARGE CAPPING NO SOFFIT 01 ON FLAT PANEL		1.0	JULY 2026	42 / 46	SKYLIGHT PANEL DETAIL		1.0	JULY 2026
19 / 46	BARGE CAPPING NO SOFFIT 02 ON TRAPEZOIDAL PANEL		1.0	JULY 2026	43 / 46	INSULATED PENETRATION DETAIL 01		1.0	JULY 2026
20 / 46	BARGE CAPPING NO SOFFIT 02 ON FLAT PANEL		1.0	JULY 2026	44 / 46	INSULATED PENETRATION DETAIL 02		1.0	JULY 2026
21 / 46	BARGE/PARAPET DETAIL FOR PANEL		1.0	JULY 2026	45 / 46	SIDE LAP DETAIL		1.0	JULY 2026
22 / 46	BARGE/PARAPET DETAIL FOR PANEL SKILLION		1.0	JULY 2026	46 / 46	PANEL PROFILE AND SIZE		1.0	JULY 2026
23 / 46	CANTILEVER BARGE CAPPING DETAIL WITH SOFFIT 01 ON TRAPEZOIDAL PANEL		1.0	JULY 2026					



RIDGE DETAIL 01

Commercial Roofing

Metecno - RFw 1000 - PIR CORE

Scale: 1 : 5

Sheet: **01 / 46**

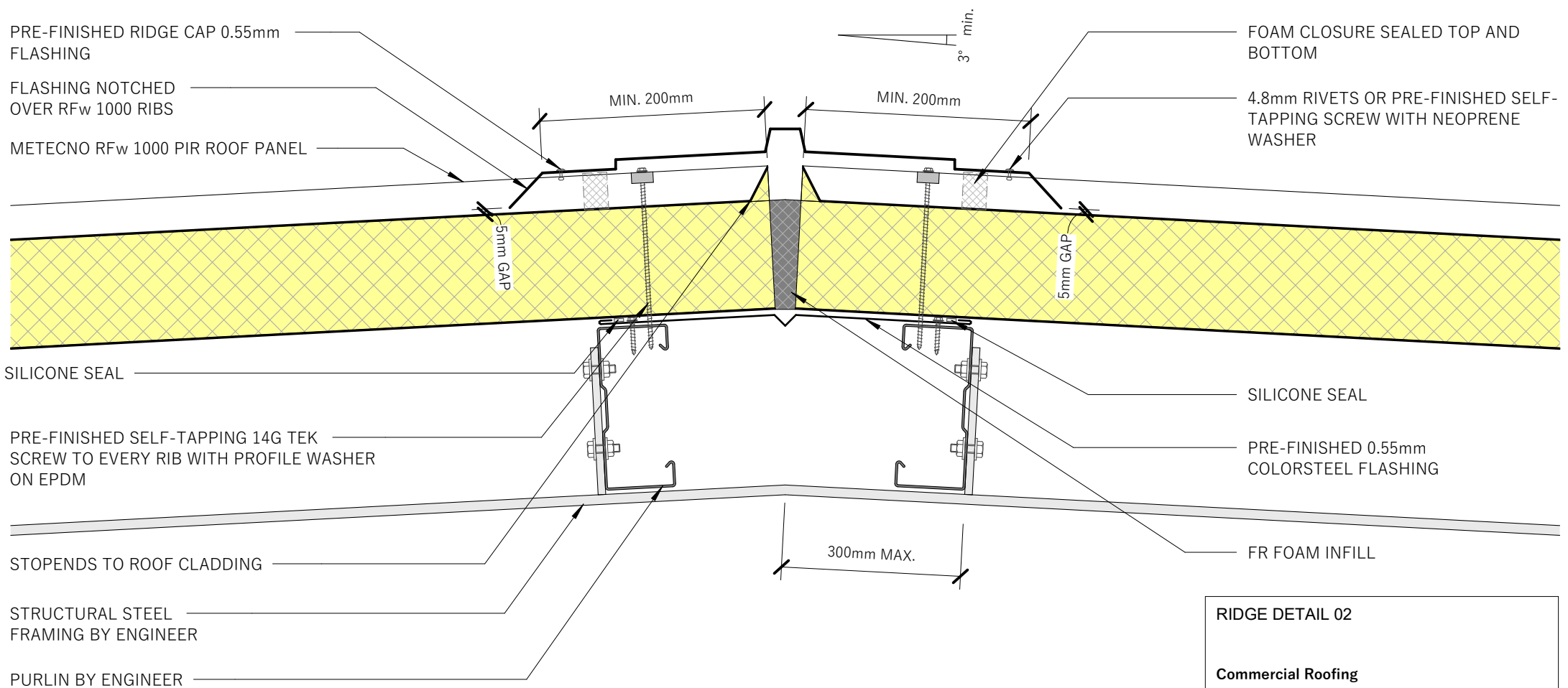
Rev. 1.0

Date JULY 2026

Reference CRRFw1000

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RIDGE DETAIL 02

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **02 / 46**

Rev. 1.0

Date JULY 2026

Reference CRRFW1000

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FOAM CLOSURE SEALED
TOP AND BOTTOM

4.8mm RIVETS OR PRE-FINISHED
SELF-TAPPING SCREW WITH
NEOPRENE WASHER

STOP ENDS TO PANEL
ROOFING

FR FOAM INFILL

FOAM CLOSURE
SEALED TOP AND
BOTTOM

4.8mm RIVET
BEDDED IN
SILICONE OR PRE-
FINISHED 8G
WAFFER-TEK SCREW

0.55mm HEAD
FLASHING

STRUCTURAL STEEL
FRAMING BY ENGINEER

METECNO RfW 1000

FLASHING NOTCHED OVER
RfW 1000 RIBS

PRE-FINISHED SELF-TAPPING 14G
TEK SCREW TO EVERY RIB WITH
PROFILE WASHER ON EPDM

METECNO RfW 1000 PIR ROOF
PANEL

MIN. 200mm

5mm GAP

MIN. 125mm

5mm GAP

4.8mm RIVET BEDDED IN SILICONE OR
PRE-FINISHED 8G WAFFER-TEK SCREW

SILICONE SEAL

PRE-FINISHED INTERNAL 0.55mm
COLORSTEEL FLASHING
(OPTIONAL WHEN REQUIRED)

SILICONE SEAL

SAWTOOTH DETAIL WITH NO SOFFIT ON
TRAPEZOIDAL PANEL

Commercial Roofing

Metecno - RfW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **03 / 46**

Rev. 1.0

Date JULY 2026

Reference CRRFw1000

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FOAM CLOSURE SEALED
TOP AND BOTTOM

4.8mm RIVETS OR PRE-FINISHED
SELF-TAPPING SCREW WITH
NEOPRENE WASHER

STOP ENDS TO PANEL
ROOFING

FR FOAM INFILL

PRE-FINISHED SELF-
TAPPING 14G TEK
SCREW

0.55mm HEAD
FLASHING

SILICONE SEAL

4.8mm RIVET
BEDDED IN
SILICONE OR PRE-
FINISHED 8G
WAFER-TEK SCREW

STRUCTURAL STEEL
FRAMING BY ENGINEER

METECNO CR1100
PANEL VERTICALLY
LAID OR FLAT PANEL
BY OTHERS

FLASHING NOTCHED OVER
RFw 1000 RIBS

PRE-FINISHED SELF-TAPPING 14G
TEK SCREW TO EVERY RIB WITH
PROFILE WASHER ON EPDM

METECNO RFw 1000 PIR ROOF
PANEL

MIN. 200mm

5mm GAP

MIN. 125mm

4.8mm RIVET BEDDED IN SILICONE OR
PRE-FINISHED 8G WAFER-TEK SCREW

SILICONE SEAL

DPC SEPARATION LAYER

PACKER BY OTHERS

PRE-FINISHED INTERNAL 0.55mm
COLORSTEEL FLASHING
(OPTIONAL WHEN REQUIRED)

SILICONE SEAL

SAWTOOTH DETAIL WITH NO SOFFIT ON
FLAT PANEL

Commercial Roofing

Metecno - RFw 1000 - PIR CORE

Scale: 1 : 5

Sheet: **04 / 46**

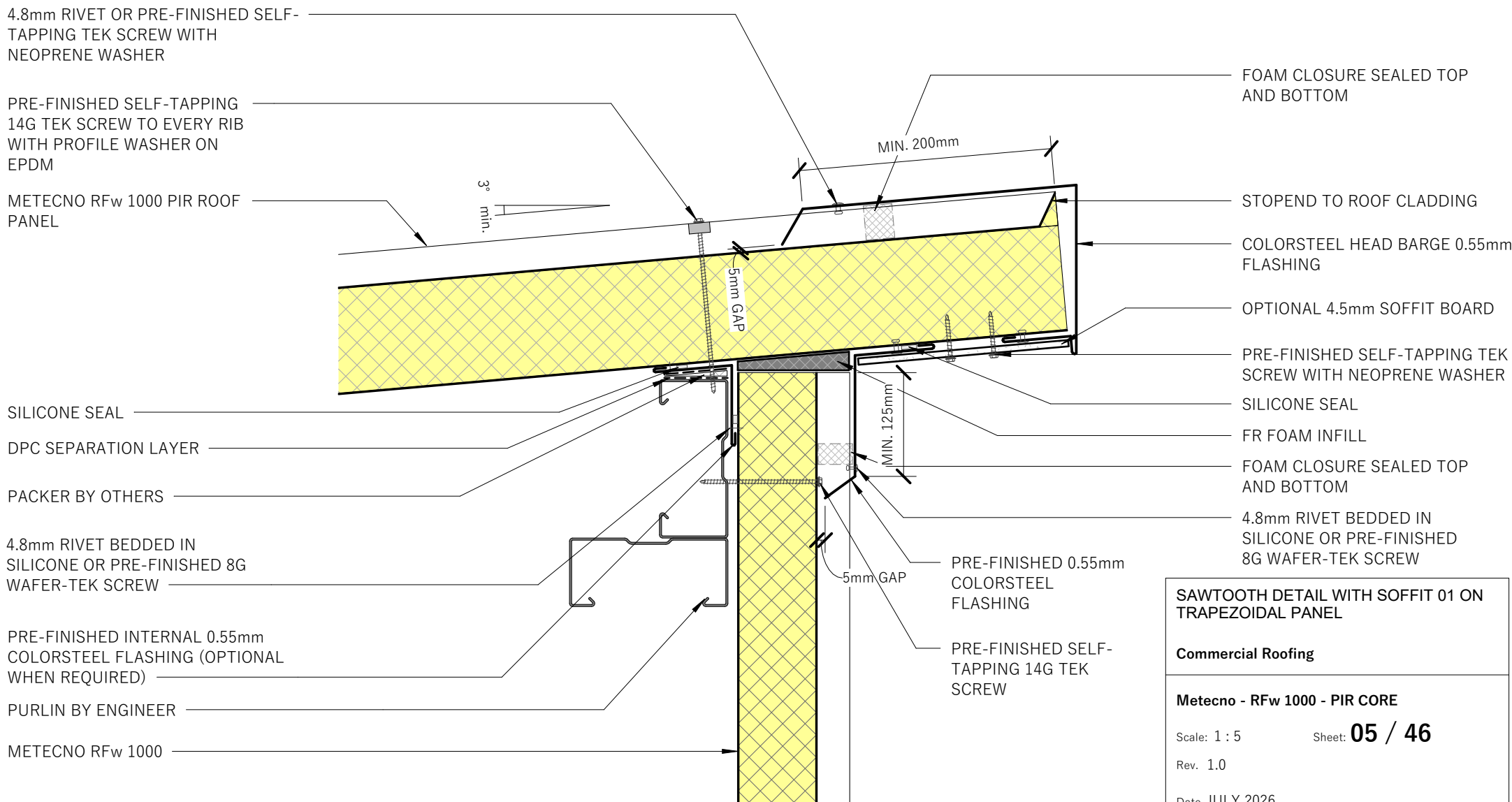
Rev. 1.0

Date JULY 2026

Reference CRRFw1000

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SAWTOOTH DETAIL WITH SOFFIT 01 ON TRAPEZOIDAL PANEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **05 / 46**

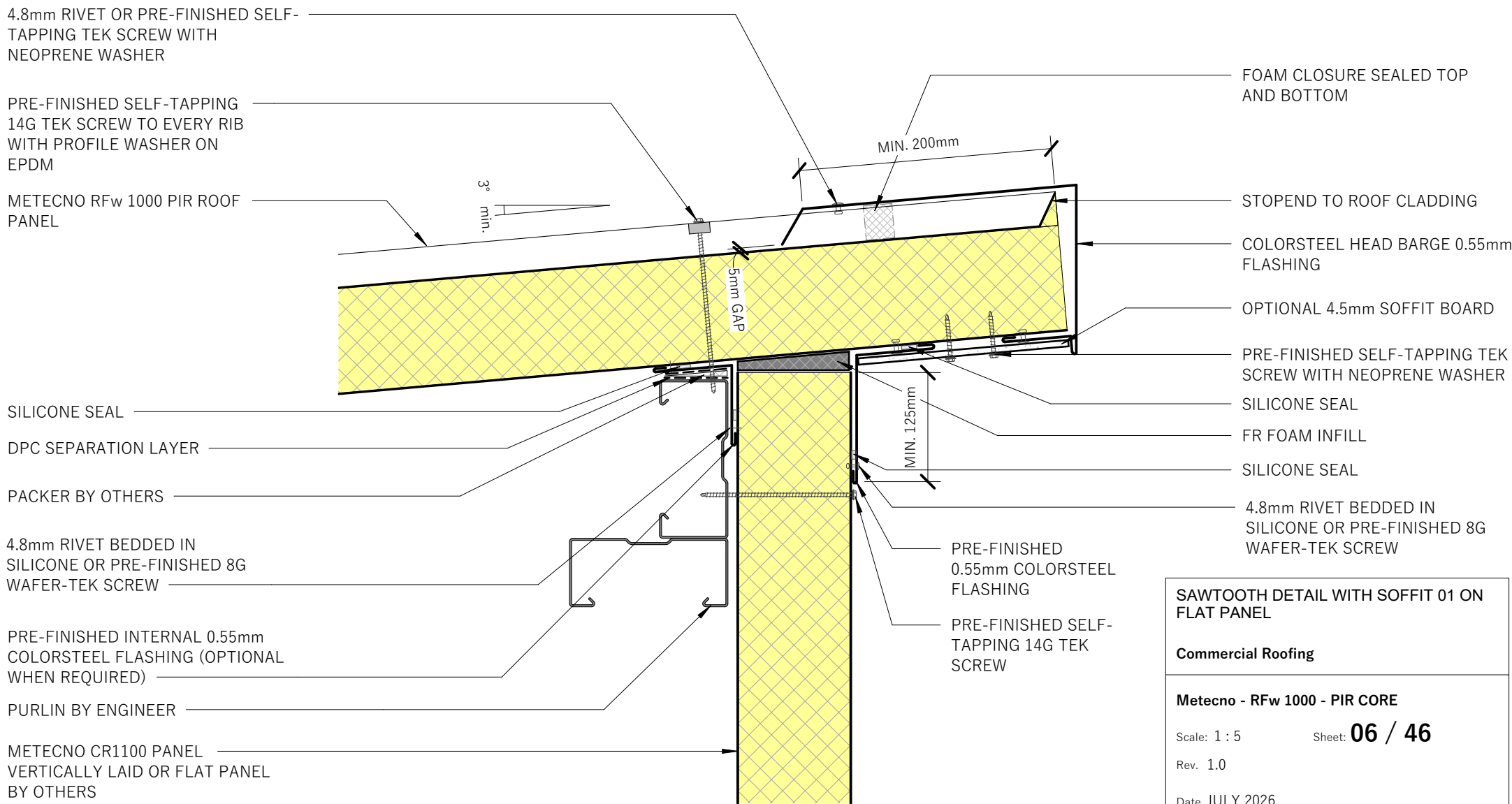
Rev. 1.0

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SAWTOOTH DETAIL WITH SOFFIT 01 ON FLAT PANEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **06 / 46**

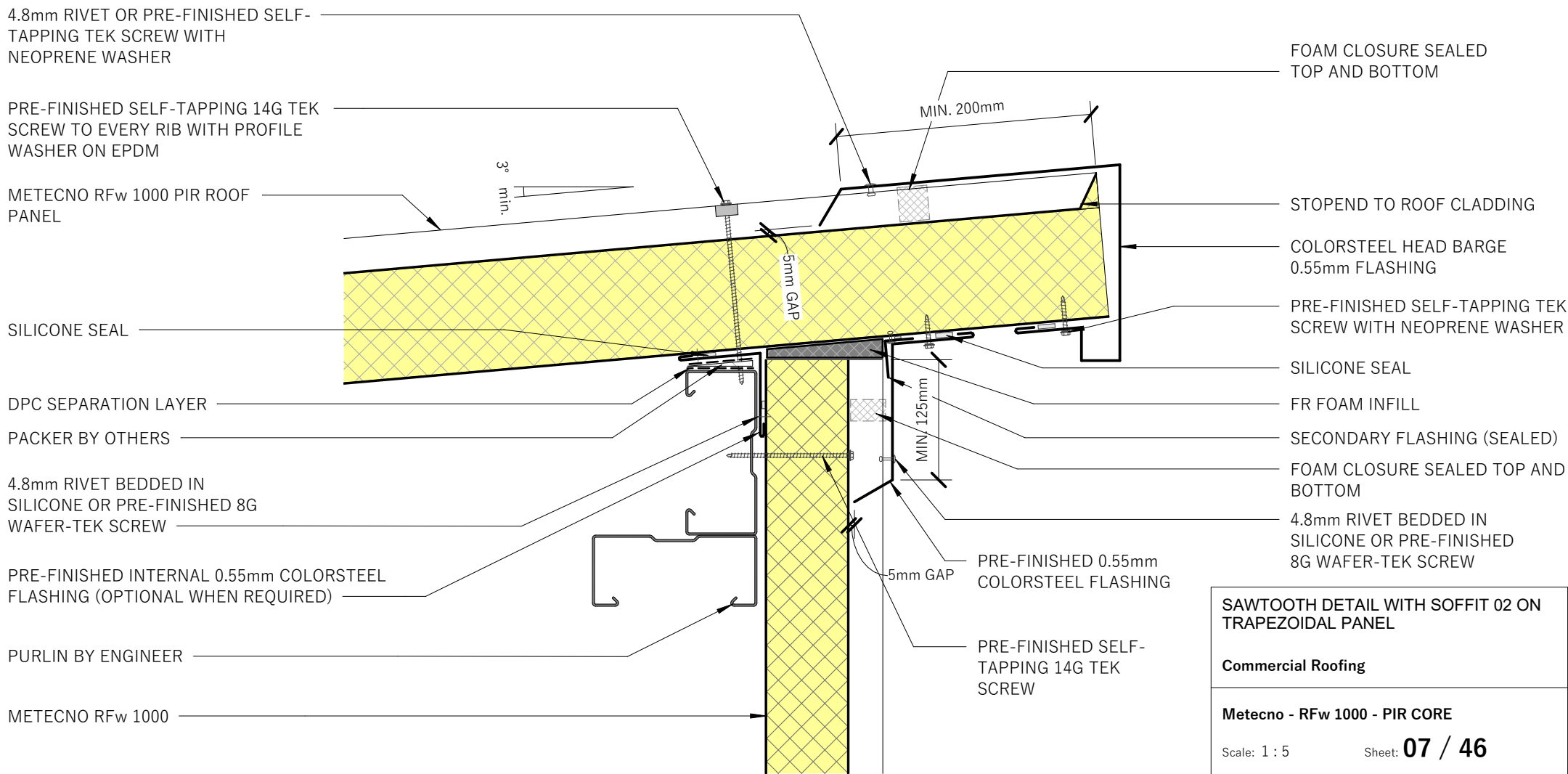
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SAWTOOTH DETAIL WITH SOFFIT 02 ON TRAPEZOIDAL PANEL

Commercial Roofing

Metecno - RfW 1000 - PIR CORE

Scale: 1 : 5 Sheet: **07 / 46**

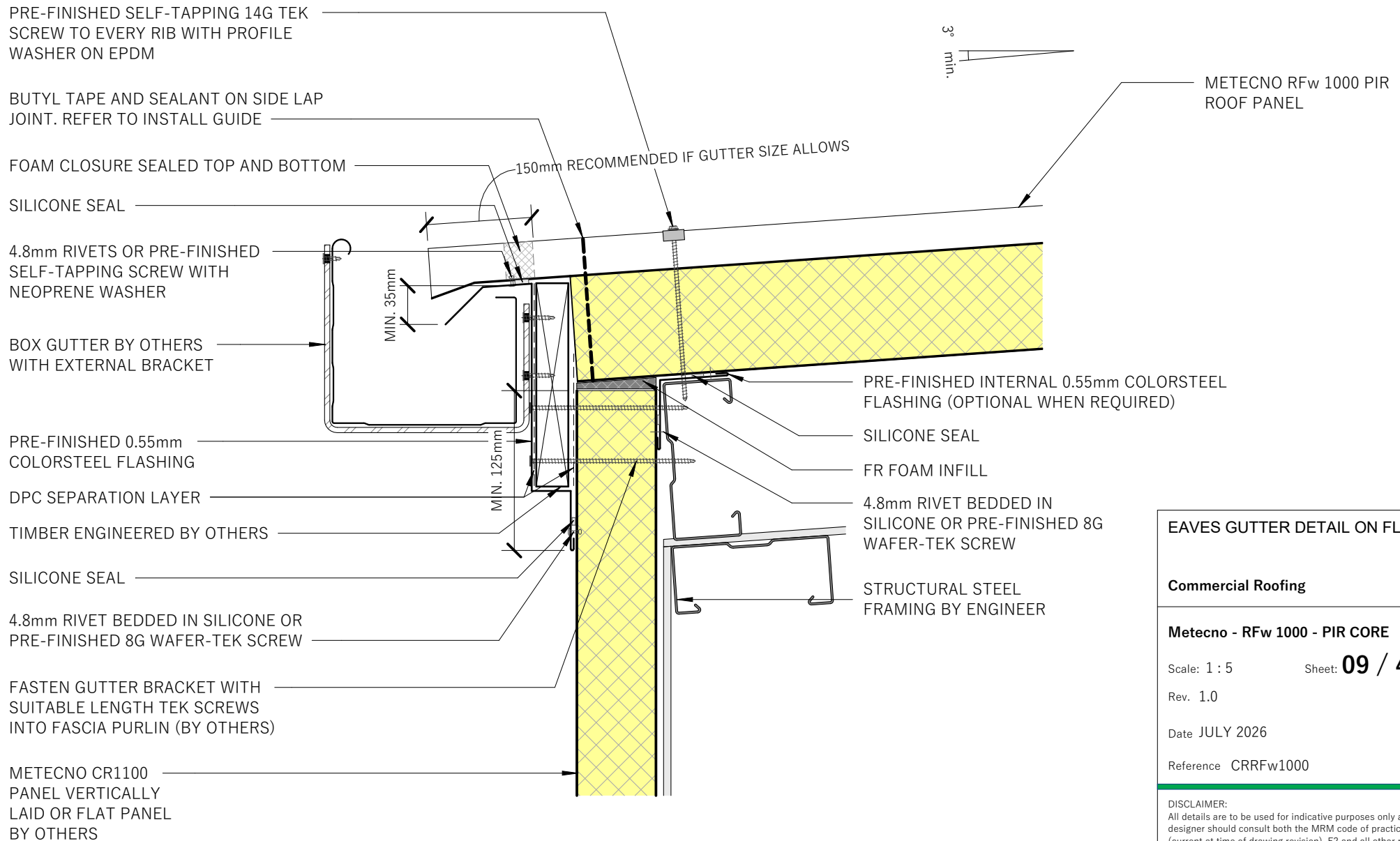
Rev. 1.0

Date JULY 2026

Reference CRRFw1000

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EAVES GUTTER DETAIL ON FLAT PANEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **09 / 46**

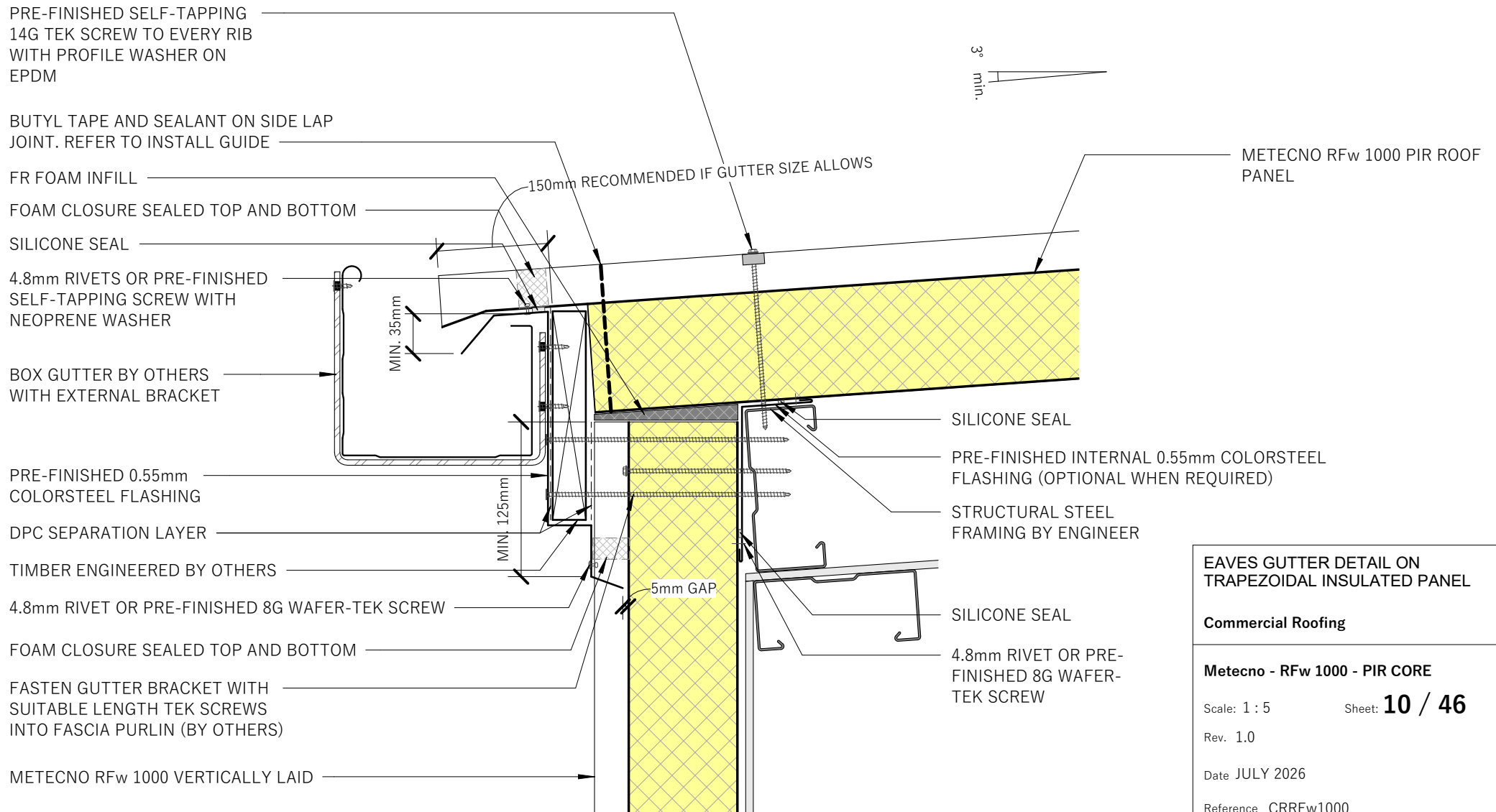
Rev. 1.0

Date JULY 2026

Reference CRRFW1000

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EAVES GUTTER DETAIL ON TRAPEZOIDAL INSULATED PANEL

Commercial Roofing

Metecno - RfW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **10 / 46**

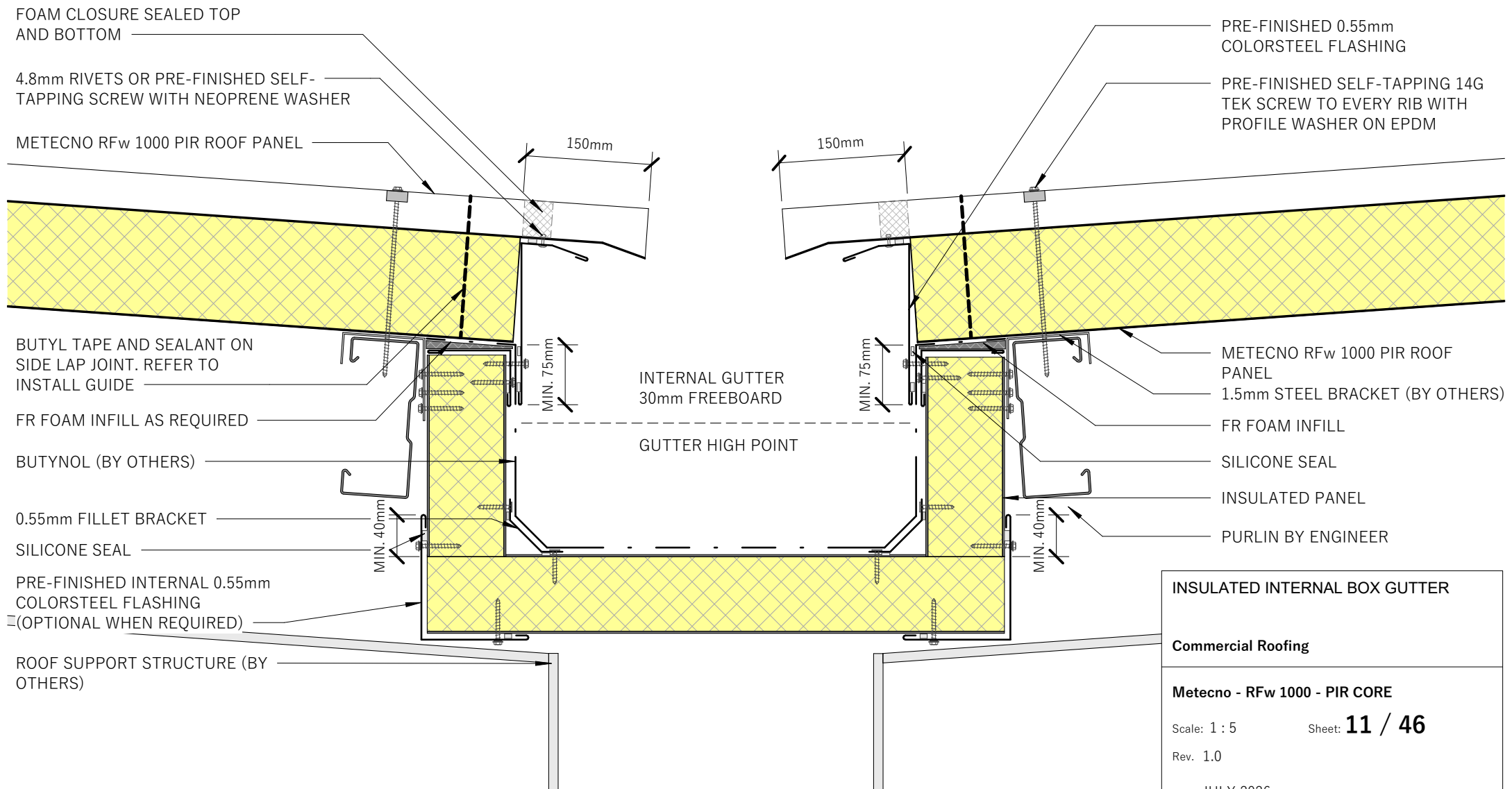
Rev. 1.0

Date JULY 2026

Reference CRRFw1000

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INSULATED INTERNAL BOX GUTTER

Commercial Roofing

Metecno - Rfw 1000 - PIR CORE

Scale: 1 : 5

Sheet: **11 / 46**

Rev. 1.0

Date JULY 2026

Reference CRRFw1000

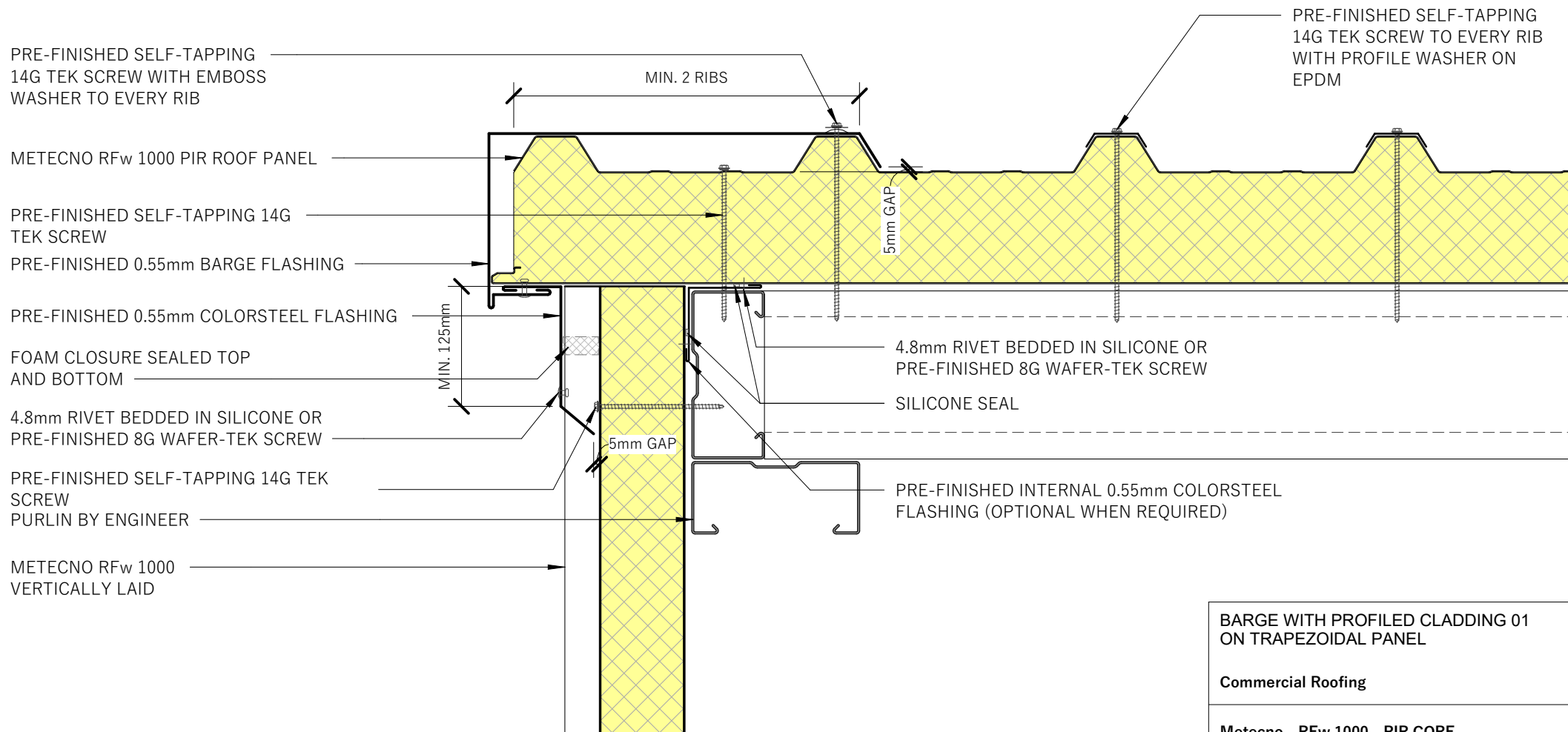
DISCLAIMER:

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AS PER MRM CODE OF PRACTICE

1. NZMRM ALLOWS FOR CUSTOM INTERNAL GUTTER DESIGN.
2. THE ARCHITECT OR DESIGNER MUST SATISFY THEMSELVES WITH THE CORRECT INTERNAL GUTTER DESIGN FOR THEIR PROJECTS AND REFER TO THE NZMRM CODE OF PRACTICE FOR THE INTERNAL GUTTER CAPACITY CALCULATION TOOL AND ALTERNATIVE SOLUTIONS FOR PITCHES DOWN TO THAT OF THE ALLOWABLE PITCH OF THE SELECTED ROOFING PROFILE.
3. INTERNAL GUTTERS MUST INCORPORATE ALLOWANCE FOR FREEBOARD OF 30mm
4. REFER NZMRM CODE OF PRACTICE FOR MORE INFORMATION ON INTERNAL GUTTER DESIGNS.



BARGE WITH PROFILED CLADDING 01 ON TRAPEZOIDAL PANEL

Commercial Roofing

Metecno - RfW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **12 / 46**

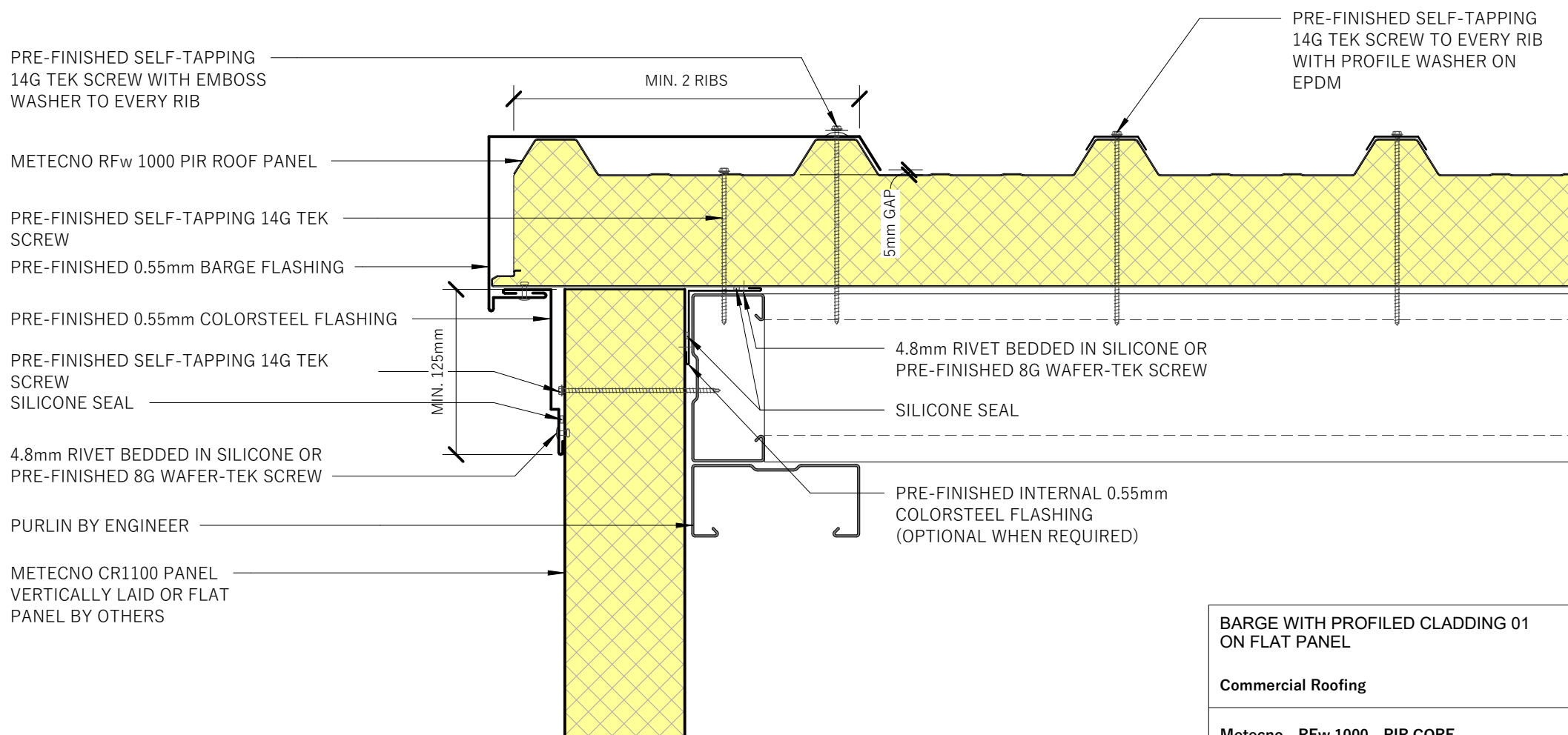
Rev. 1.0

Date JULY 2026

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BARGE WITH PROFILED CLADDING 01 ON FLAT PANEL

Commercial Roofing

Metecno - RfW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **13 / 46**

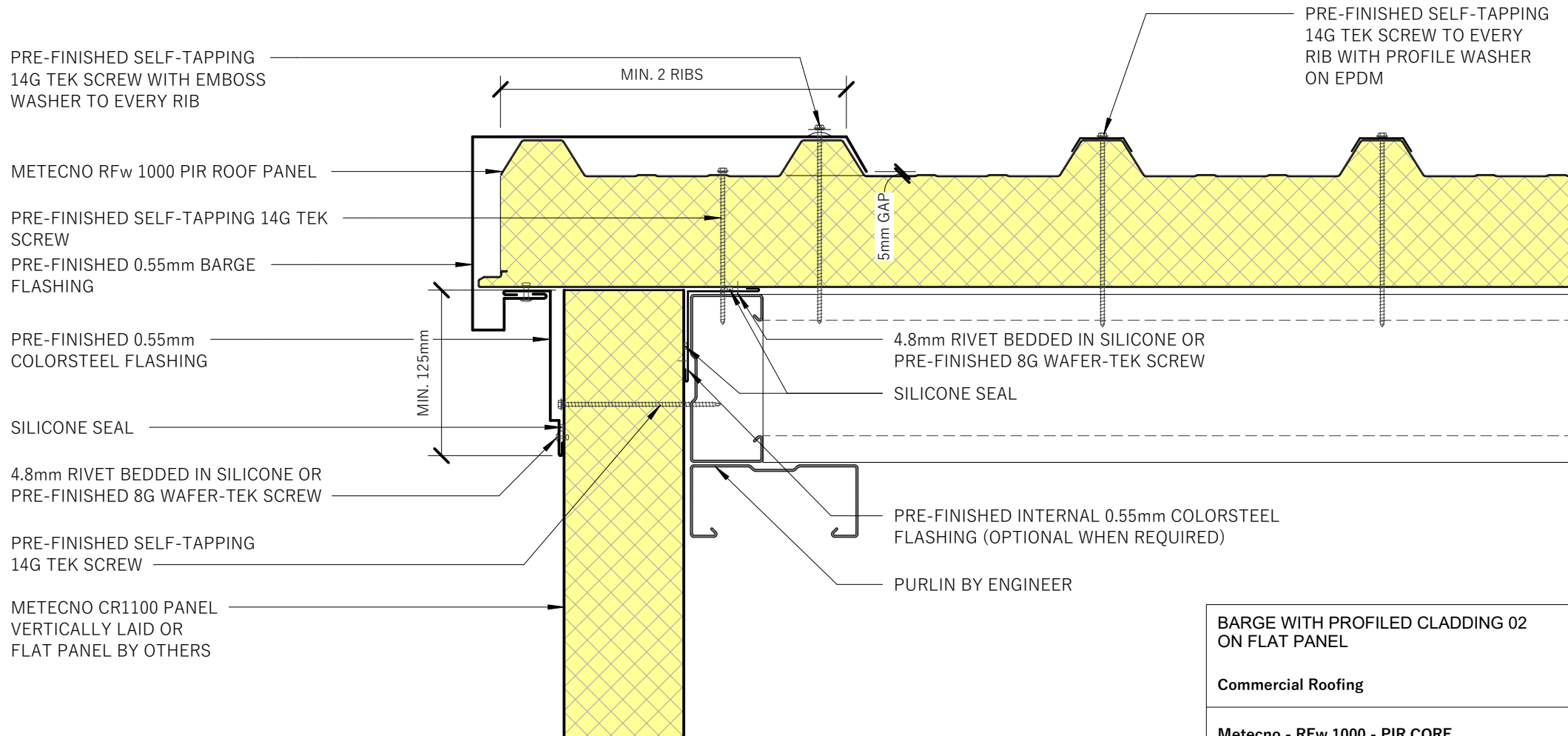
Rev. 1.0

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BARGE WITH PROFILED CLADDING 02 ON FLAT PANEL

Commercial Roofing

Metecno - RFw 1000 - PIR CORE

Scale: 1 : 5

Sheet: **15 / 46**

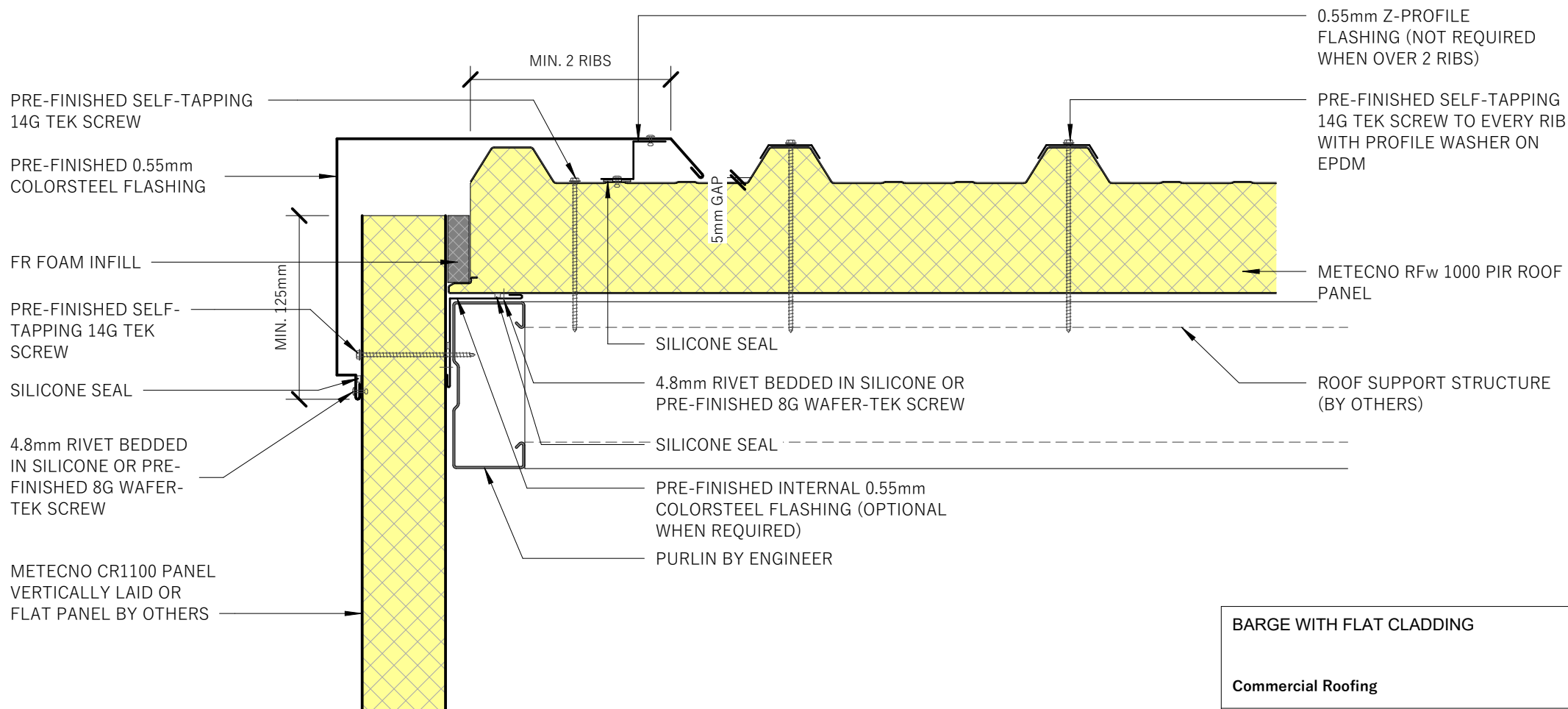
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BARGE WITH FLAT CLADDING

Commercial Roofing

Metecno - RfW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **16 / 46**

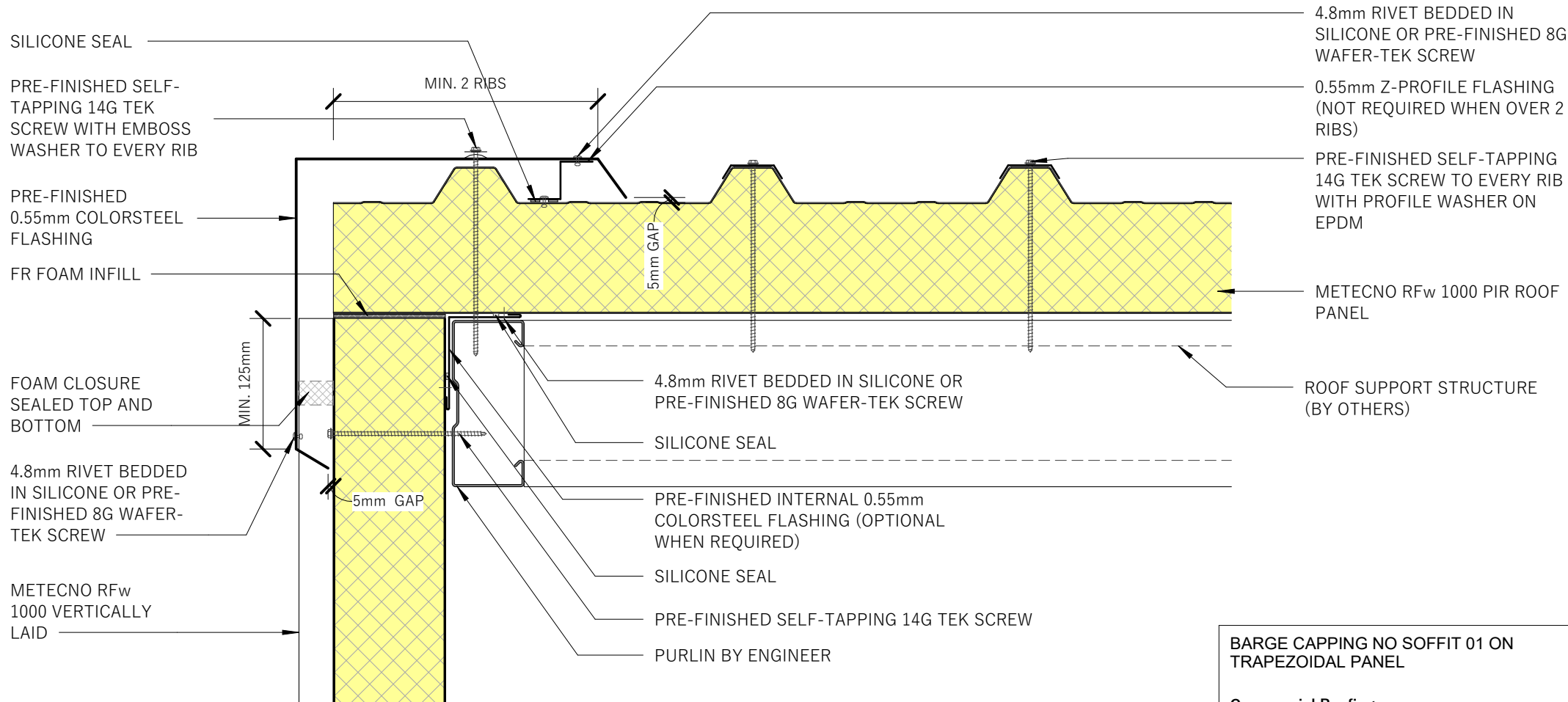
Rev. 1.0

Date JULY 2026

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BARGE CAPPING NO SOFFIT 01 ON TRAPEZOIDAL PANEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **17 / 46**

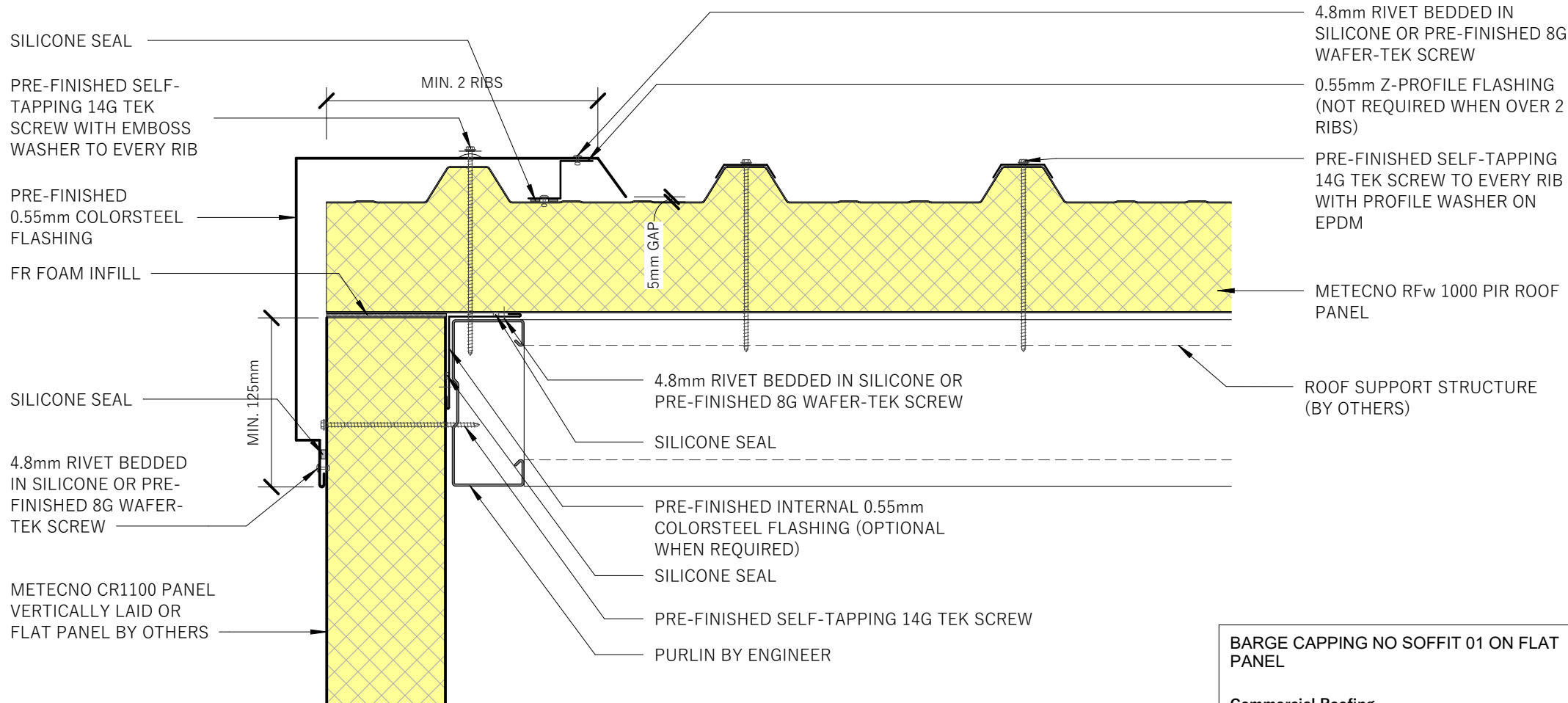
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BARGE CAPPING NO SOFFIT 01 ON FLAT PANEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **18 / 46**

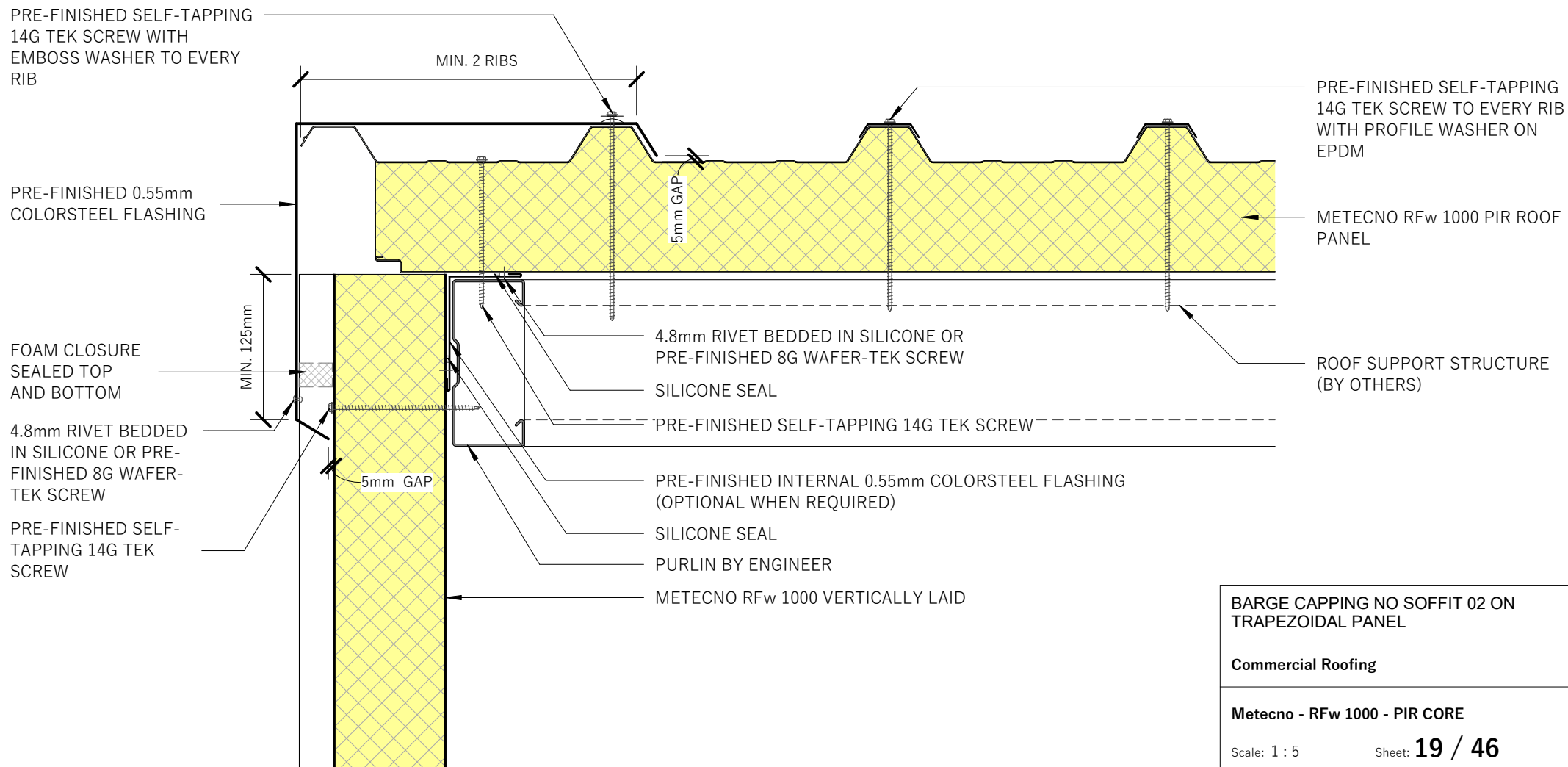
Rev. 1.0

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BARGE CAPPING NO SOFFIT 02 ON TRAPEZOIDAL PANEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **19 / 46**

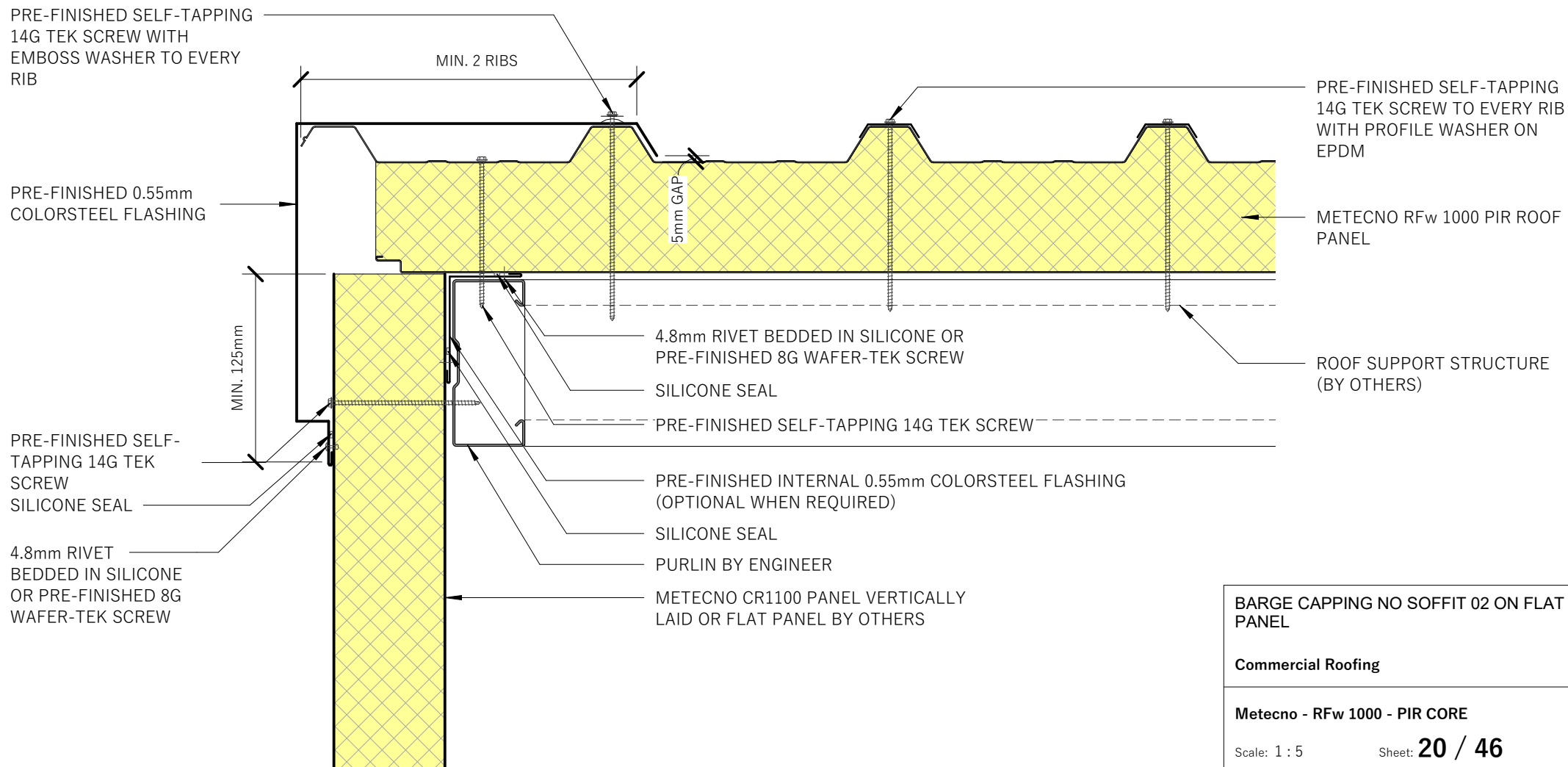
Rev. 1.0

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BARGE CAPPING NO SOFFIT 02 ON FLAT PANEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **20 / 46**

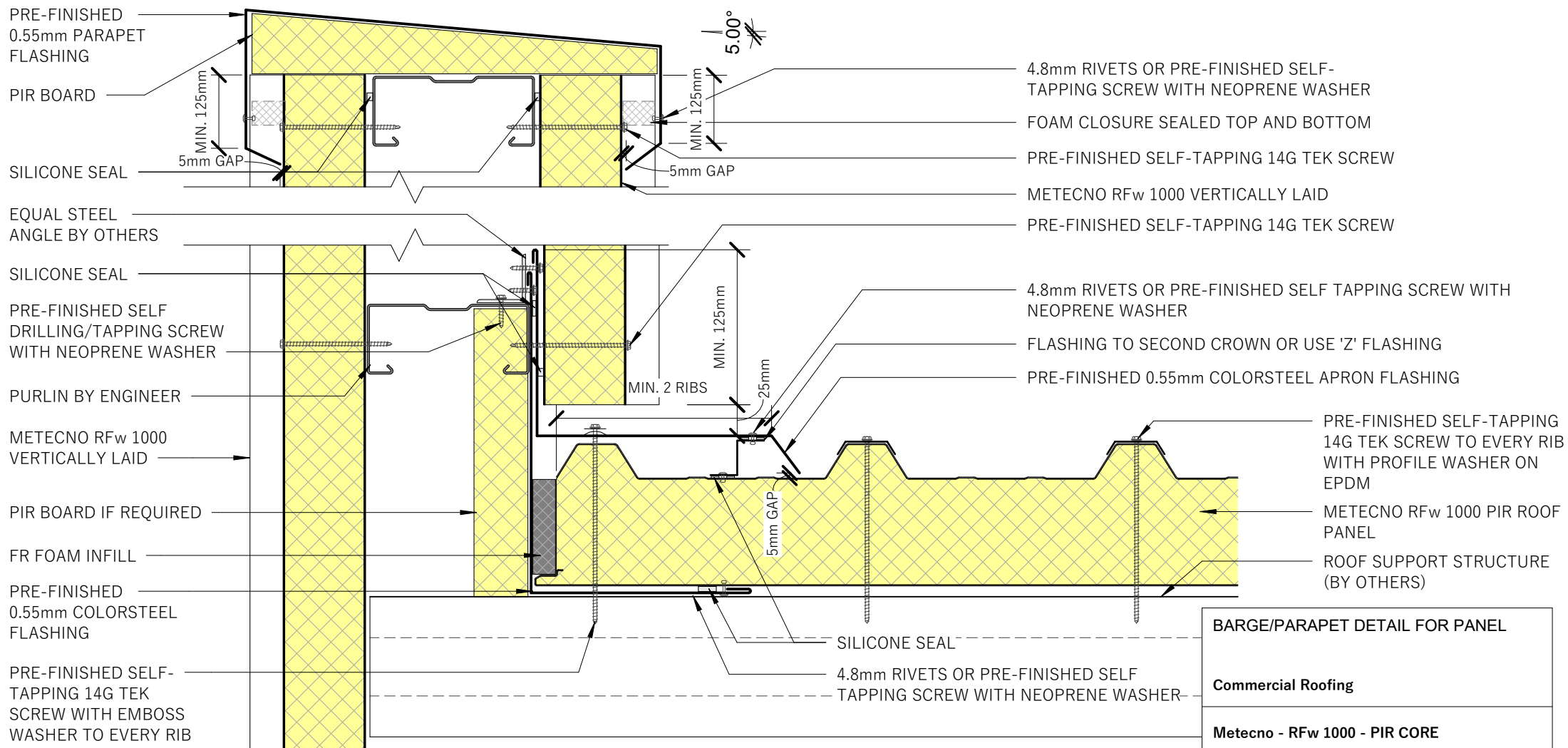
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BARGE/PARAPET DETAIL FOR PANEL

Commercial Roofing

Metecno - RfW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **21 / 46**

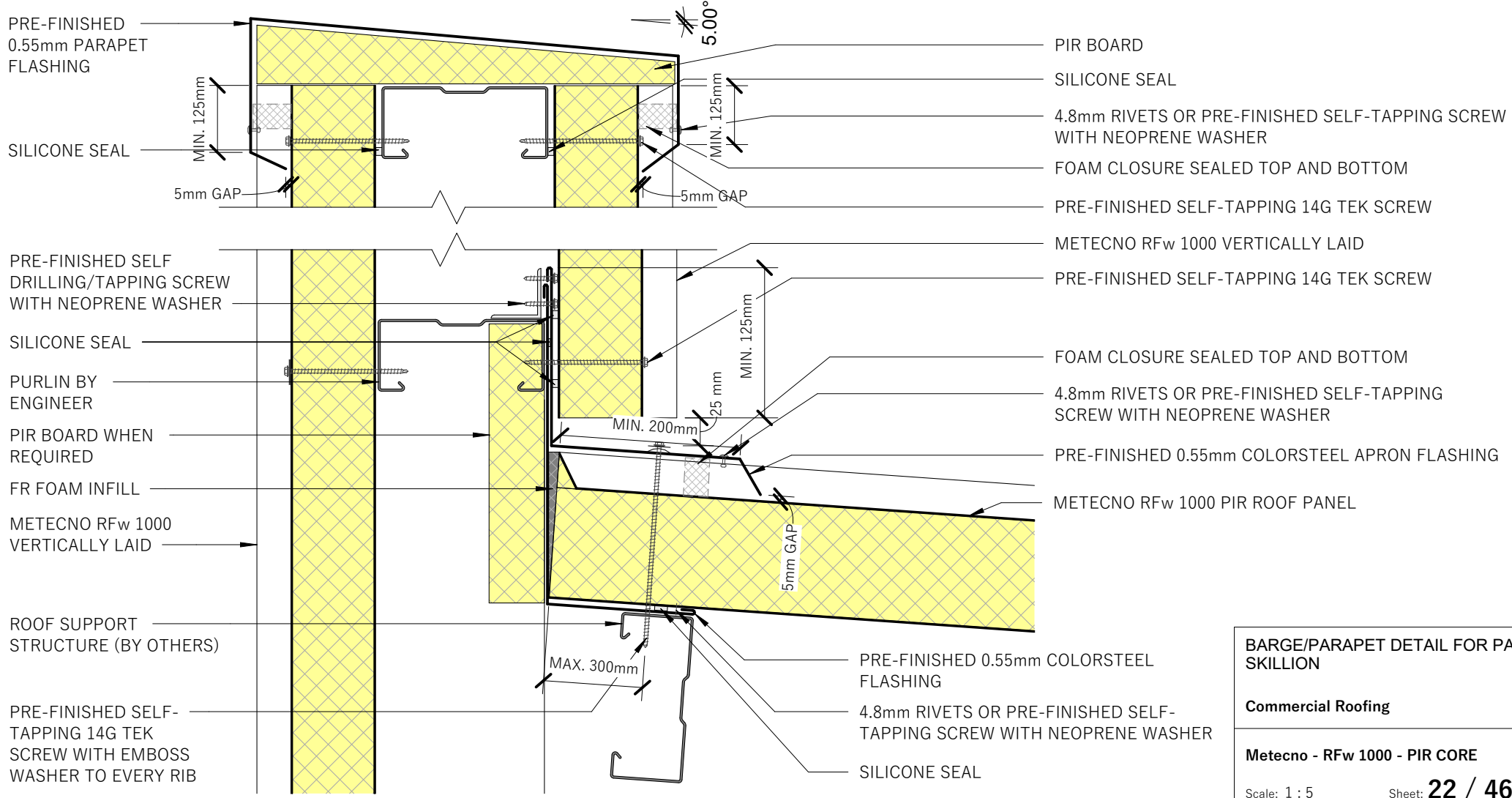
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BARGE/PARAPET DETAIL FOR PANEL SKILLION

Commercial Roofing

Metecno - RFw 1000 - PIR CORE

Scale: 1 : 5

Sheet: 22 / 46

Rev. 1.0

Date JULY 2026

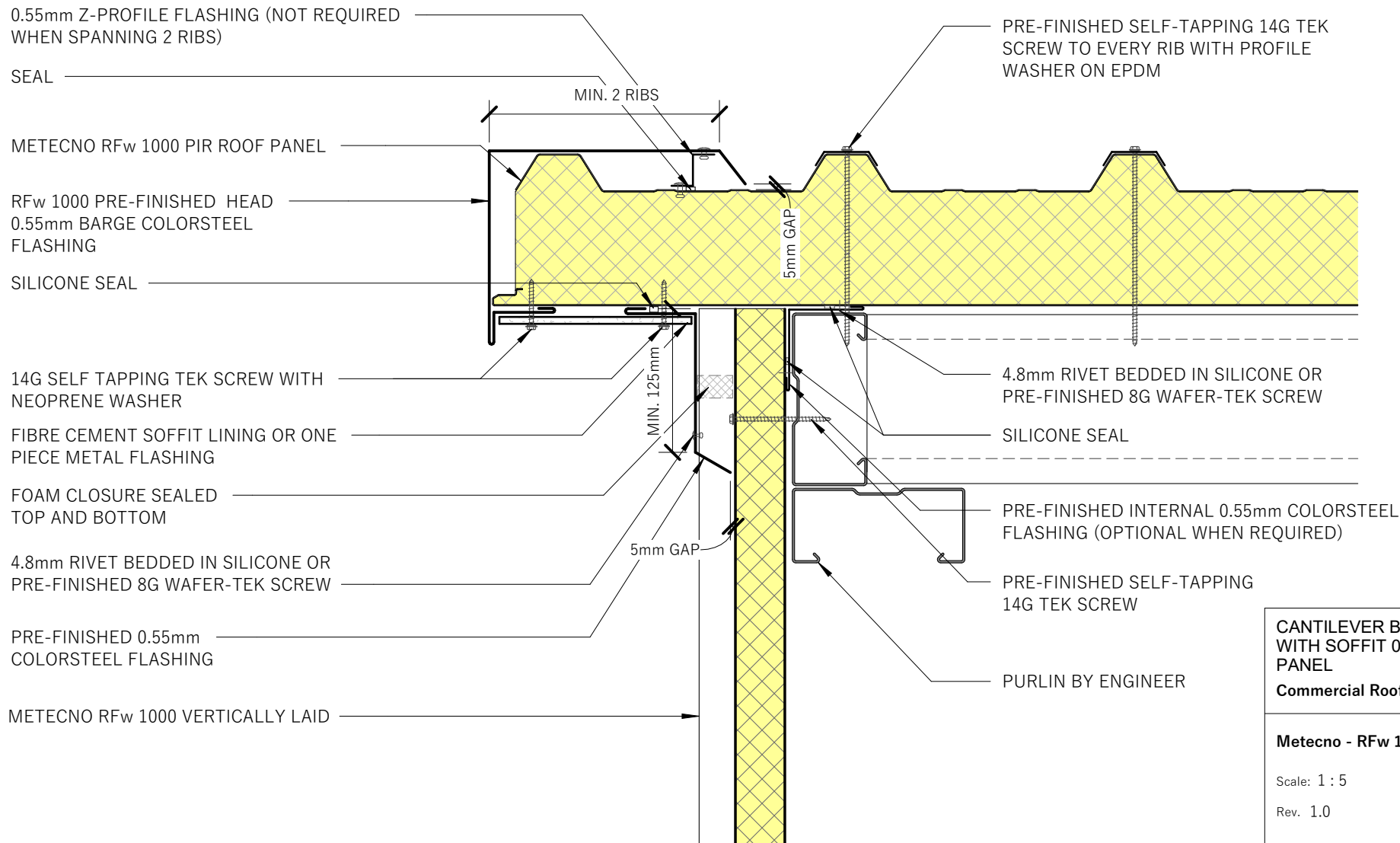
Reference CRRFw1000

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CANTILEVER BARGE CAPPING DETAIL WITH SOFFIT 01 ON TRAPEZOIDAL PANEL

Commercial Roofing

Metecno - RfW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **23 / 46**

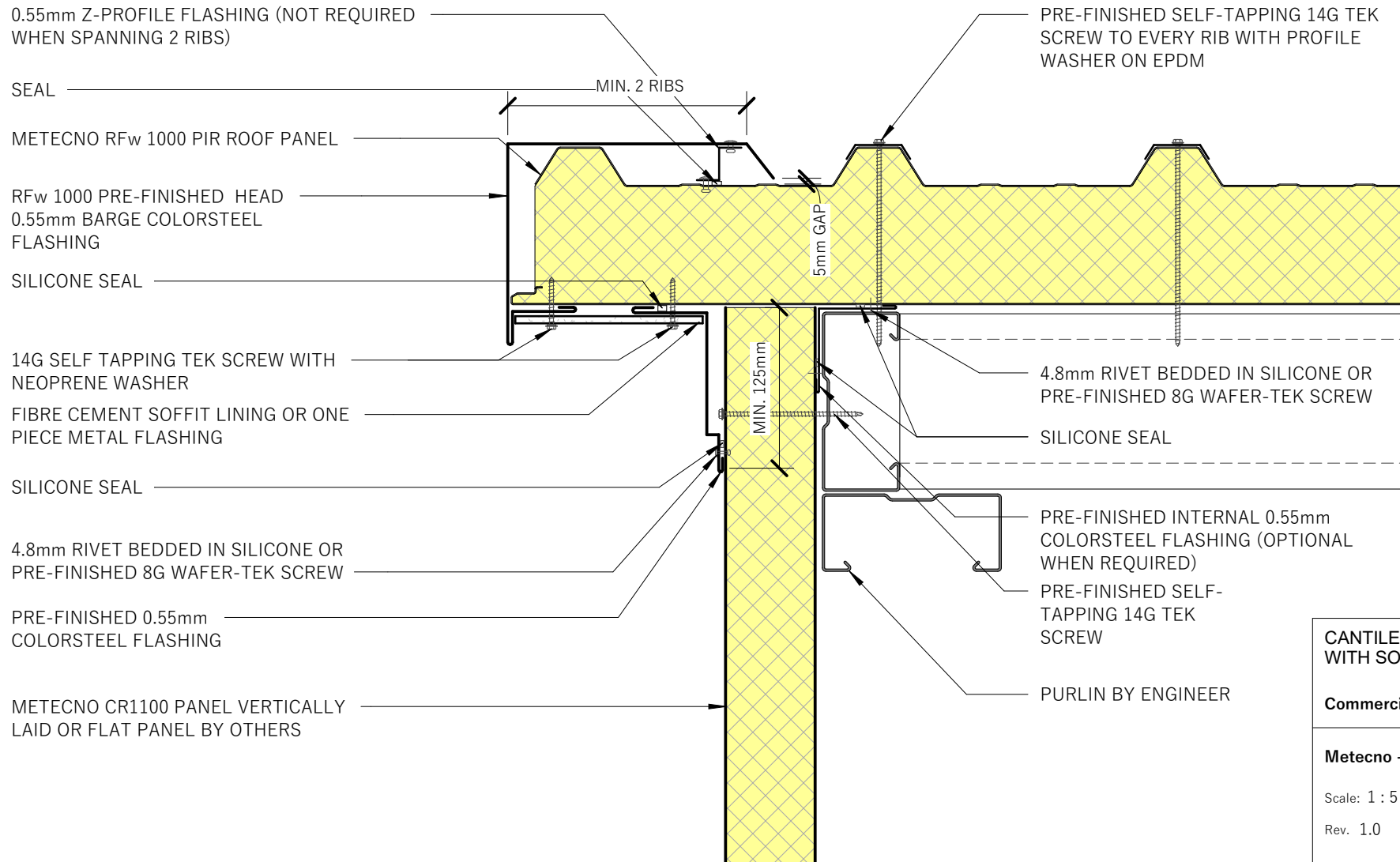
Rev. 1.0

Date JULY 2026

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**CANTILEVER BARGE CAPPING DETAIL
WITH SOFFIT 01 ON FLAT PANEL**

Commercial Roofing

Metecno - RfW 1000 - PIR CORE

Scale: 1 : 5 Sheet: **24 / 46**

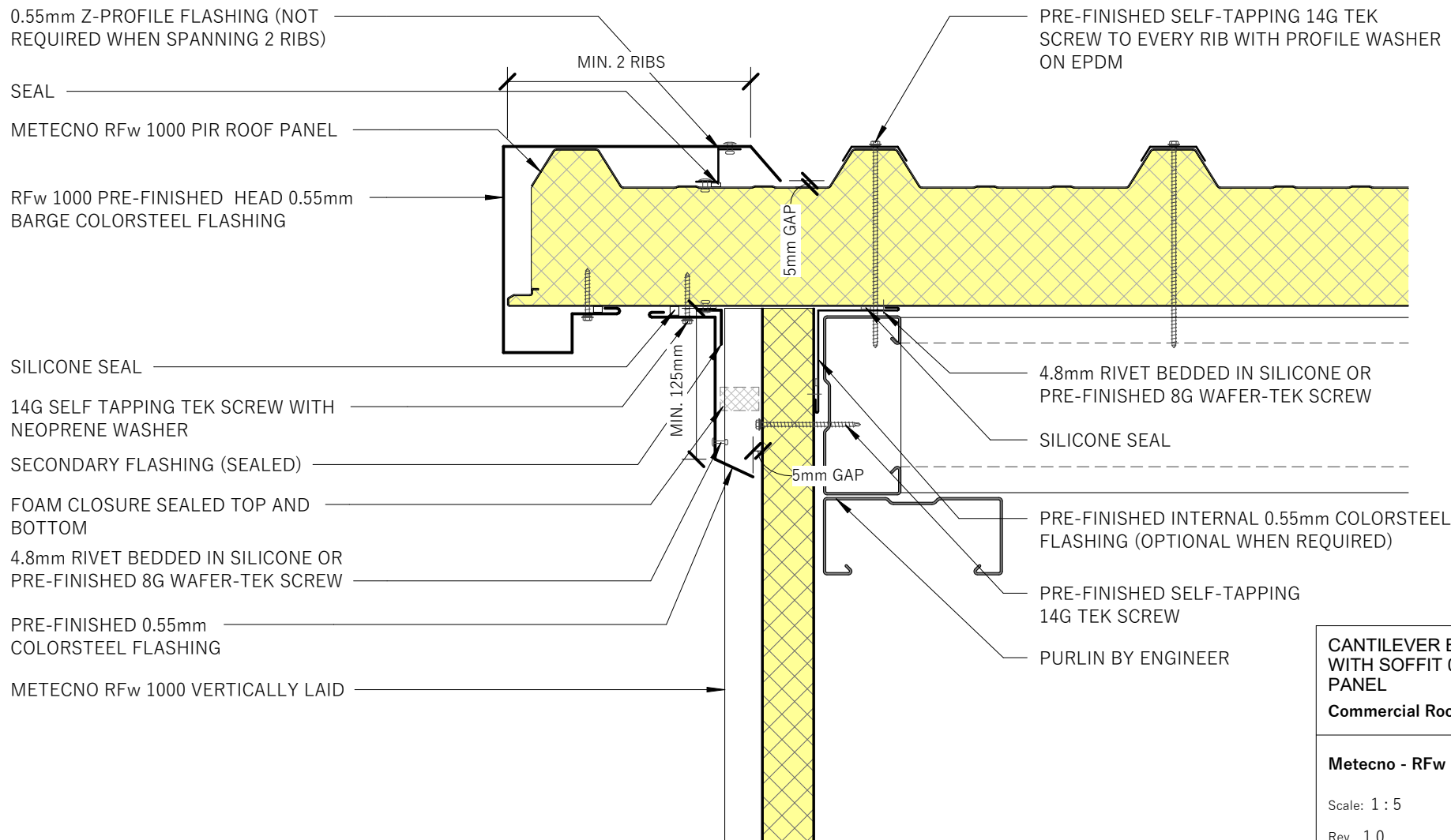
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CANTILEVER BARGE CAPPING DETAIL WITH SOFFIT 02 ON TRAPEZOIDAL PANEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: 25 / 46

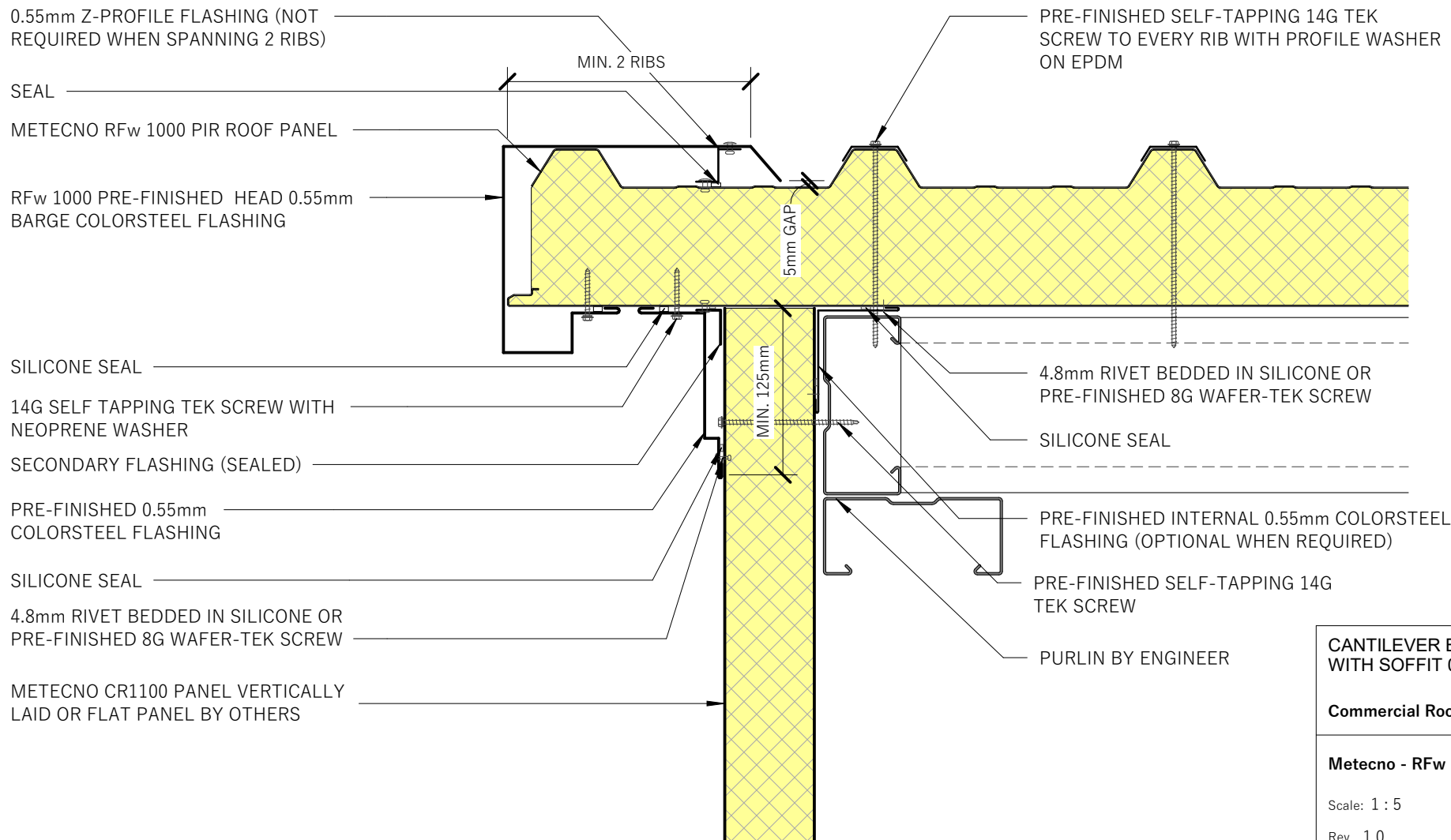
Rev. 1.0

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CANTILEVER BARGE CAPPING DETAIL WITH SOFFIT 02 ON FLAT PANEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **26 / 46**

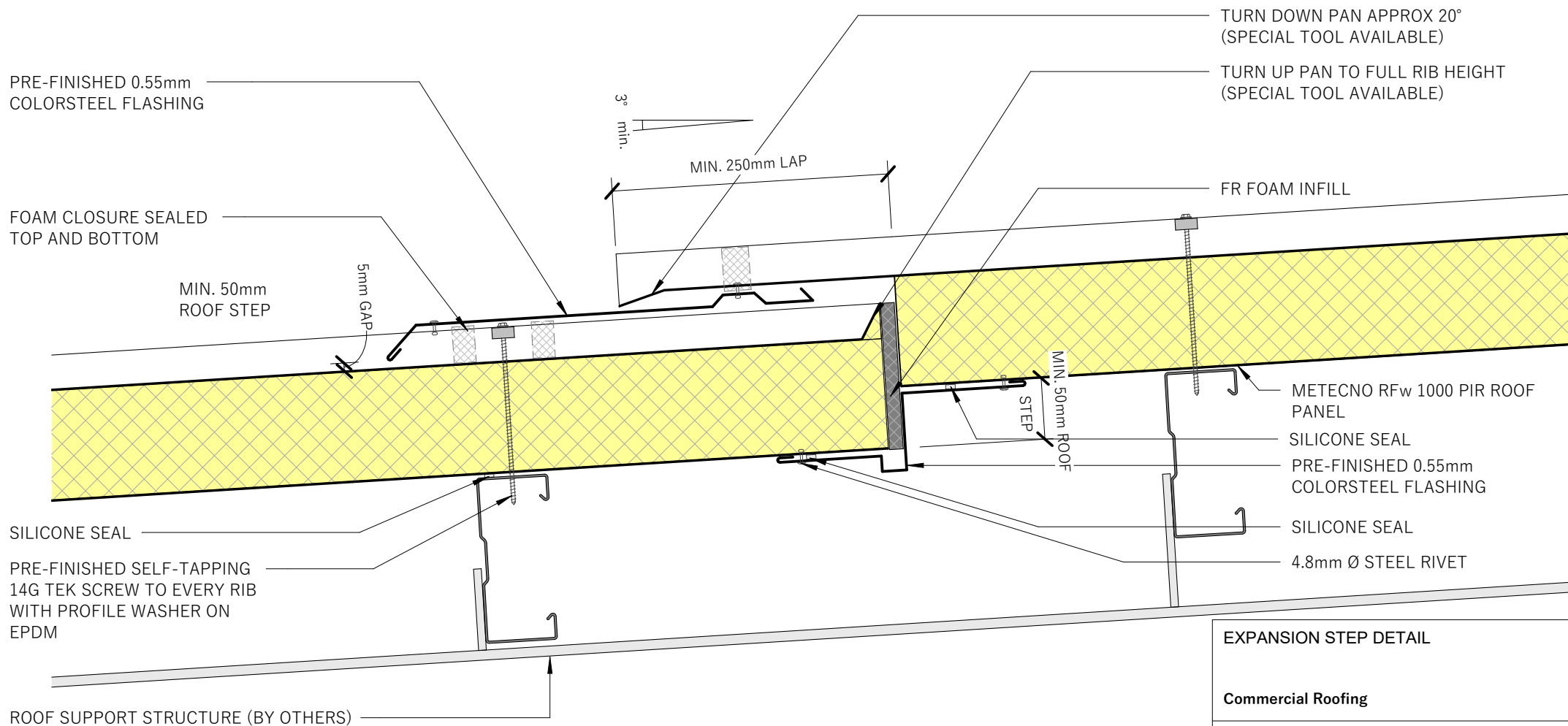
Rev. 1.0

Date JULY 2026

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EXPANSION STEP DETAIL

Commercial Roofing

Metecno - RFw 1000 - PIR CORE

Scale: 1 : 5

Sheet: **27 / 46**

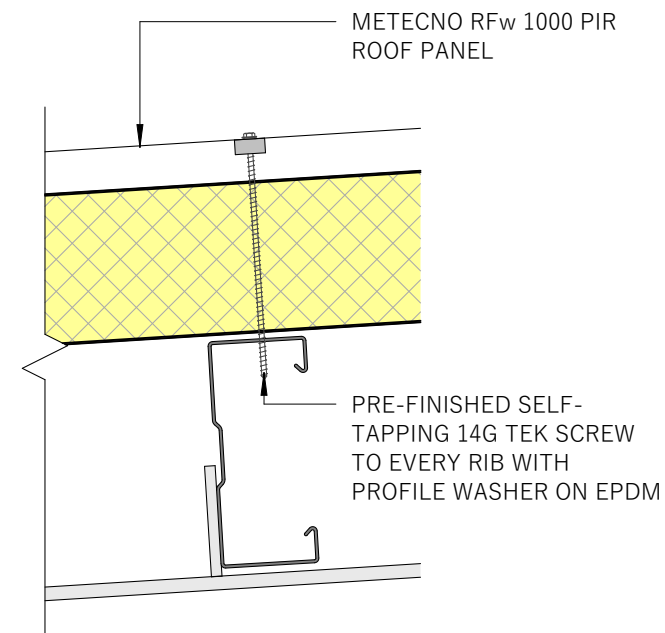
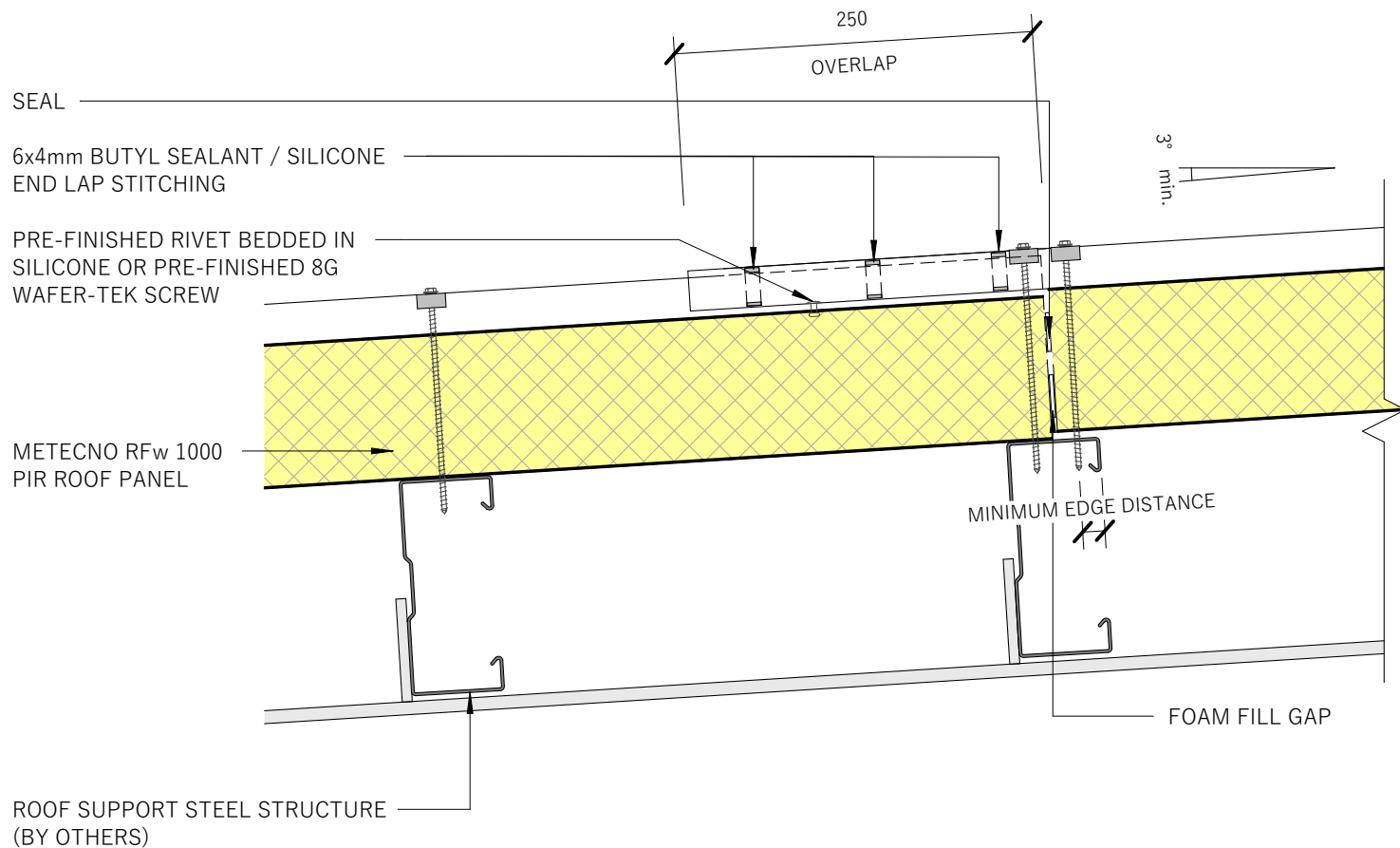
Rev. 1.0

Date JULY 2026

Reference CRRFw1000

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NOTE:

- END LAP DETAIL NOT RECOMMENDED IF REQUIRED PLEASE CONSULT WITH METECNO.
- PREFERRED OPTION TO USE LONG SHEET LENGTHS AVAILABLE UP TO 24m (DEPENDING ON FREIGHT TO SUIT)

END LAP DETAIL ON STEEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **28 / 46**

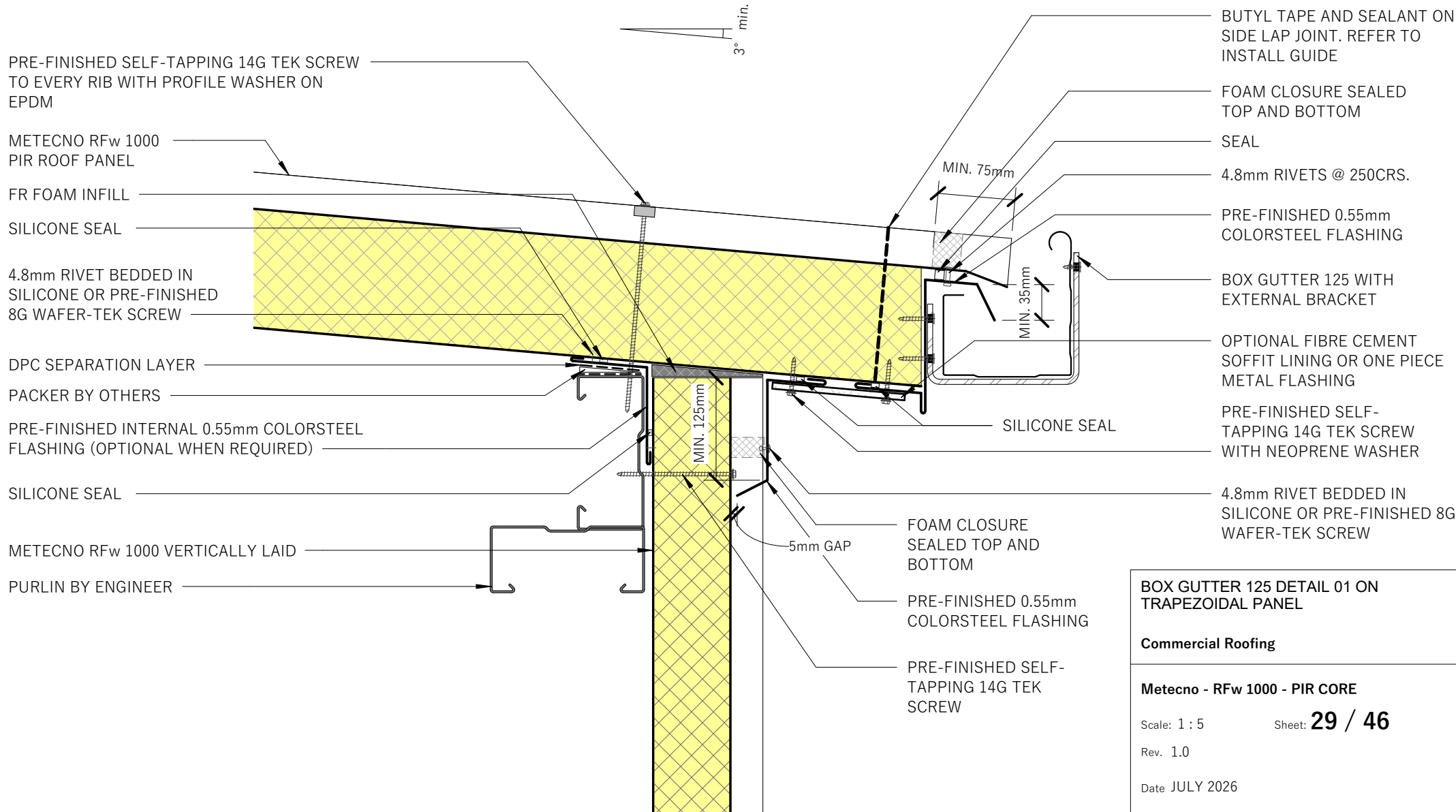
Rev. 1.0

Date JULY 2026

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0.55mm FASCIA
FLASHING ONLY
SUITABLE FOR
MAXIMUM 125 BOX
GUTTER WITH A MAX
SNOW LOAD OF 1kPa

BOX GUTTER 125 DETAIL 01 ON TRAPEZOIDAL PANEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **29 / 46**

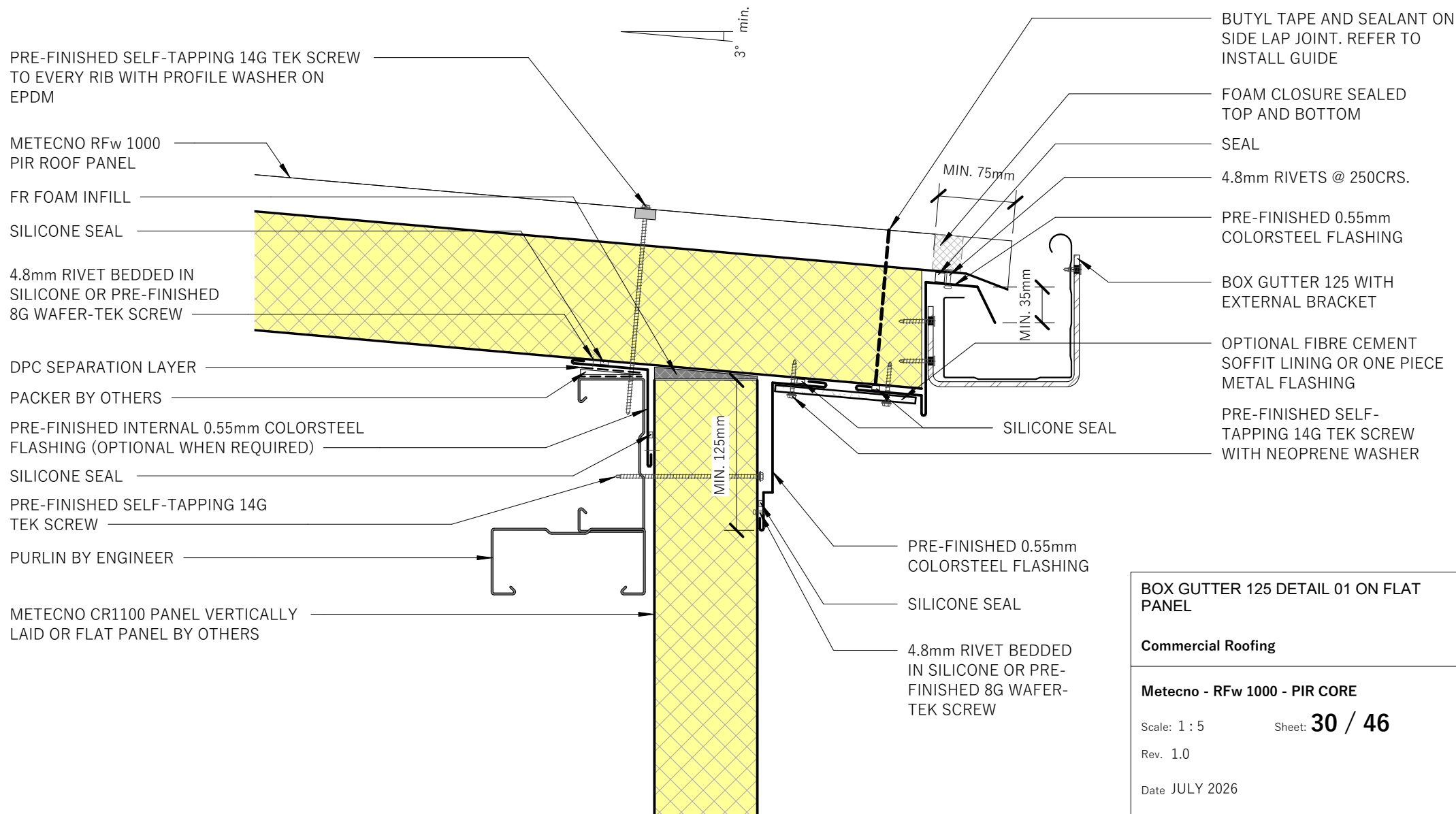
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0.55mm FASCIA
FLASHING ONLY
SUITABLE FOR
MAXIMUM 125 BOX
GUTTER WITH A MAX
SNOW LOAD OF 1kPa

BOX GUTTER 125 DETAIL 01 ON FLAT PANEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **30 / 46**

Rev. 1.0

Date JULY 2026

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PRE-FINISHED SELF-TAPPING 14G TEK SCREW
TO EVERY RIB WITH PROFILE WASHER ON
EPDM

METECNO RfW 1000 PIR
ROOF PANEL

FR FOAM INFILL

SILICONE SEAL

4.8mm RIVET BEDDED IN
SILICONE OR PRE-FINISHED
8G WAFER-TEK SCREW

DPC SEPARATION LAYER

PACKER BY OTHERS

PRE-FINISHED INTERNAL 0.55mm COLORSTEEL
FLASHING (OPTIONAL WHEN REQUIRED)

SILICONE SEAL

METECNO RfW 1000
VERTICALLY LAID

PURLIN BY ENGINEER

0.55mm FASCIA
FLASHING ONLY
SUITABLE FOR
MAXIMUM 125 BOX
GUTTER WITH A MAX
SNOW LOAD OF 1kPa

3° min.

BUTYL TAPE AND SEALANT ON
SIDE LAP JOINT. REFER TO
INSTALL GUIDE

FOAM CLOSURE SEALED
TOP AND BOTTOM

SEAL

4.8mm RIVETS @ 250CRS.

PRE-FINISHED 0.55mm
COLORSTEEL FLASHING

BOX GUTTER 125 WITH
EXTERNAL BRACKET

PRE-FINISHED SELF-TAPPING
14G TEK SCREW WITH NEOPRENE
WASHER

SILICONE SEAL

PRE-FINISHED 0.55mm
COLORSTEEL FLASHING

SECONDARY FLASHING
(SEALED)

MIN. 75mm

MIN. 35mm

MIN. 125mm

5mm GAP

4.8mm RIVET BEDDED
IN SILICONE OR PRE-
FINISHED 8G WAFER-
TEK SCREW

FOAM CLOSURE
SEALED TOP AND
BOTTOM

PRE-FINISHED SELF-
TAPPING 14G TEK
SCREW

BOX GUTTER 125 DETAIL 02 ON TRAPEZOIDAL PANEL

Commercial Roofing

Metecno - RfW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **31 / 46**

Rev. 1.0

Date JULY 2026

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PRE-FINISHED SELF-TAPPING 14G TEK
SCREW TO EVERY RIB WITH PROFILE
WASHER ON EPDM

METECNO RFW 1000 PIR
ROOF PANEL

FR FOAM INFILL

SILICONE SEAL

4.8mm RIVET BEDDED IN
SILICONE OR PRE-FINISHED
8G WAFER-TEK SCREW

DPC SEPARATION LAYER

PACKER BY OTHERS

PRE-FINISHED INTERNAL 0.55mm COLORSTEEL
FLASHING (OPTIONAL WHEN REQUIRED)

SILICONE SEAL

PURLIN BY ENGINEER

METECNO CR1100 PANEL VERTICALLY
LAID OR FLAT PANEL BY OTHERS

0.55mm FASCIA
FLASHING ONLY
SUITABLE FOR
MAXIMUM 125 BOX
GUTTER WITH A MAX
SNOW LOAD OF 1kPa

3° min.

MIN. 75mm

MIN. 35mm

MIN. 125mm

BUTYL TAPE AND SEALANT ON
SIDE LAP JOINT. REFER TO
INSTALL GUIDE

FOAM CLOSURE SEALED
TOP AND BOTTOM

SEAL

4.8mm RIVETS @ 250CRS.

PRE-FINISHED 0.55mm
COLORSTEEL FLASHING

BOX GUTTER 125 WITH
EXTERNAL BRACKET

PRE-FINISHED SELF-TAPPING
14G TEK SCREW WITH NEOPRENE
WASHER

SILICONE SEAL

PRE-FINISHED 0.55mm
COLORSTEEL FLASHING

SECONDARY FLASHING
(SEALED)

SILICONE SEAL

4.8mm RIVET BEDDED
IN SILICONE OR PRE-
FINISHED 8G WAFER-
TEK SCREW

PRE-FINISHED SELF-
TAPPING 14G TEK
SCREW

BOX GUTTER 125 DETAIL 02 ON FLAT PANEL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **32 / 46**

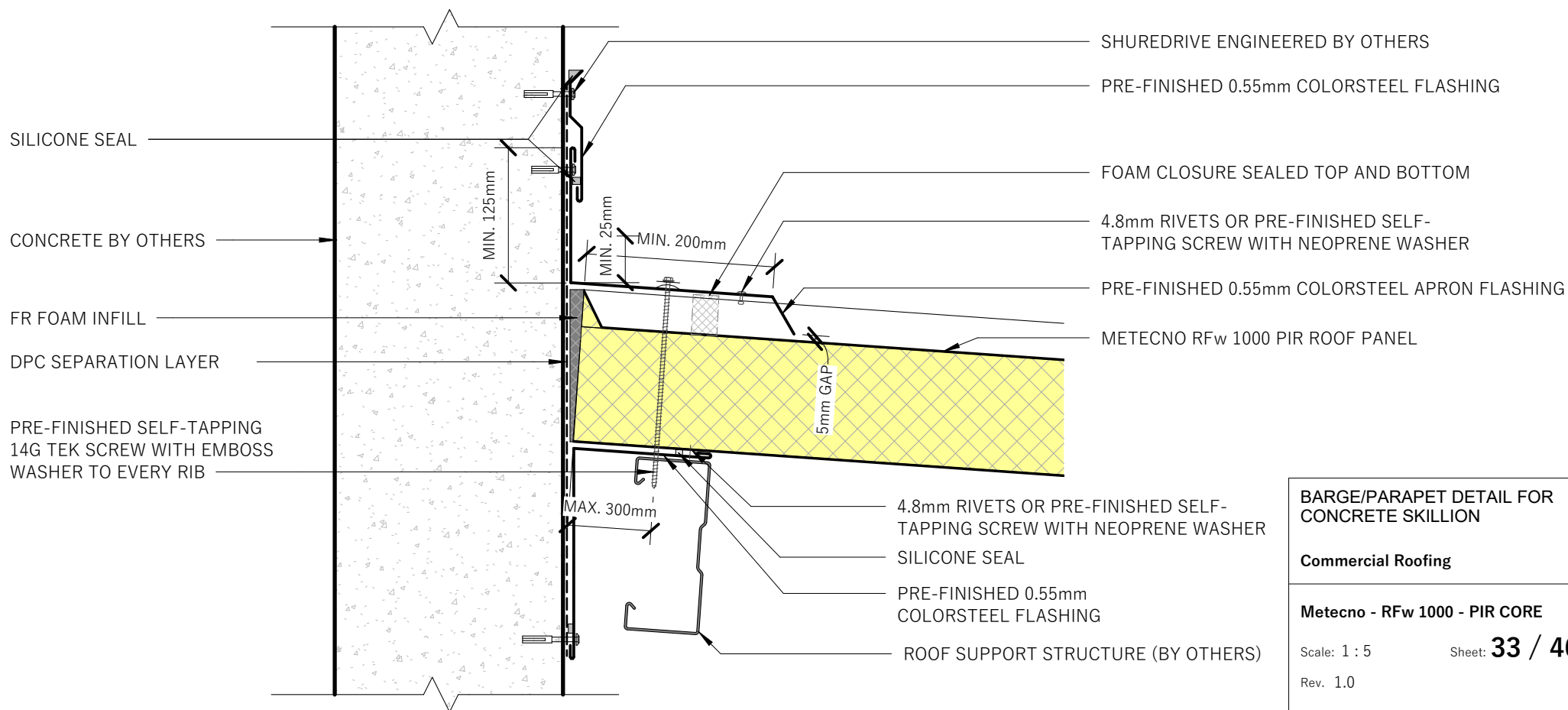
Rev. 1.0

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BARGE/PARAPET DETAIL FOR CONCRETE SKILLION

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **33 / 46**

Rev. 1.0

Date JULY 2026

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PRE-FINISHED SELF-TAPPING 14G TEK
SCREW TO EVERY RIB WITH PROFILE WASHER
ON EPDM

METECNO RfW 1000 PIR ROOF PANEL

BUTYL TAPE AND SEALANT ON SIDE LAP
JOINT. REFER TO INSTALL GUIDE

FR FOAM FILL OR MINERAL
WOOL INSULATION

FOAM CLOSURE SEALED
TOP AND BOTTOM

SILICONE SEAL

4.8mm RIVETS OR PRE-
FINISHED SELF-
TAPPING SCREW WITH
NEOPRENE WASHER

BOX GUTTER WITH
EXTERNAL BRACKET

FASTEN GUTTER BRACKET
WITH SUITABLE LENGTH
TEK SCREWS INTO FASCIA
PURLIN (BY OTHERS)

TIMBER ENGINEERED BY OTHERS

DPC SEPARATION LAYER

SILICONE SEAL

SHUREDRIVE BY ENGINEER

PRE-FINISHED 0.55mm
COLORSTEEL FLASHING

CONCRETE WALL BY OTHERS

3° min.

150mm RECOMMENDED IF GUTTER SIZE ALLOWS

MIN. 35mm

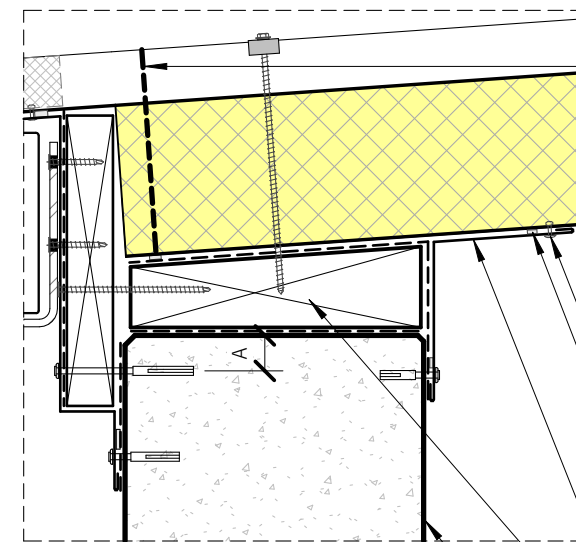
MIN. 125mm

A

A

A

A = MINIMUM EDGE
DISTANCE INTO
CONCRETE IS
GOVERNED BY THE
SHUREDRIVE
DIAMETER AND IS THE
RESPONSIBILITY OF
THE DESIGNER



ALTERNATIVE

BUTYL TAPE AND
SEALANT ON
SIDE LAP JOINT.
REFER TO
INSTALL GUIDE

4.8mm RIVET
BEDDED IN
SILICONE OR
PRE-FINISHED 8g
WAFER-TEK
SCREW

SILICONE SEAL

INTERNAL
0.55mm
COLORSTEEL
FLASHING

TIMBER PLATE
BY OTHERS

CONCRETE WALL
BY OTHERS

4.8mm RIVET BEDDED
IN SILICONE OR PRE-
FINISHED 8G WAFER-
TEK SCREW

SILICONE SEAL

SILICONE SEAL

PRE-FINISHED INTERNAL
0.55mm COLORSTEEL FLASHING
(OPTIONAL WHEN REQUIRED)

PANEL FIXED TO INTERNAL
RIBBON PLATE

DPC SEPARATION LAYER

EAVES GUTTER DETAIL ON CONCRETE

Commercial Roofing

Metecno - RfW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **35 / 46**

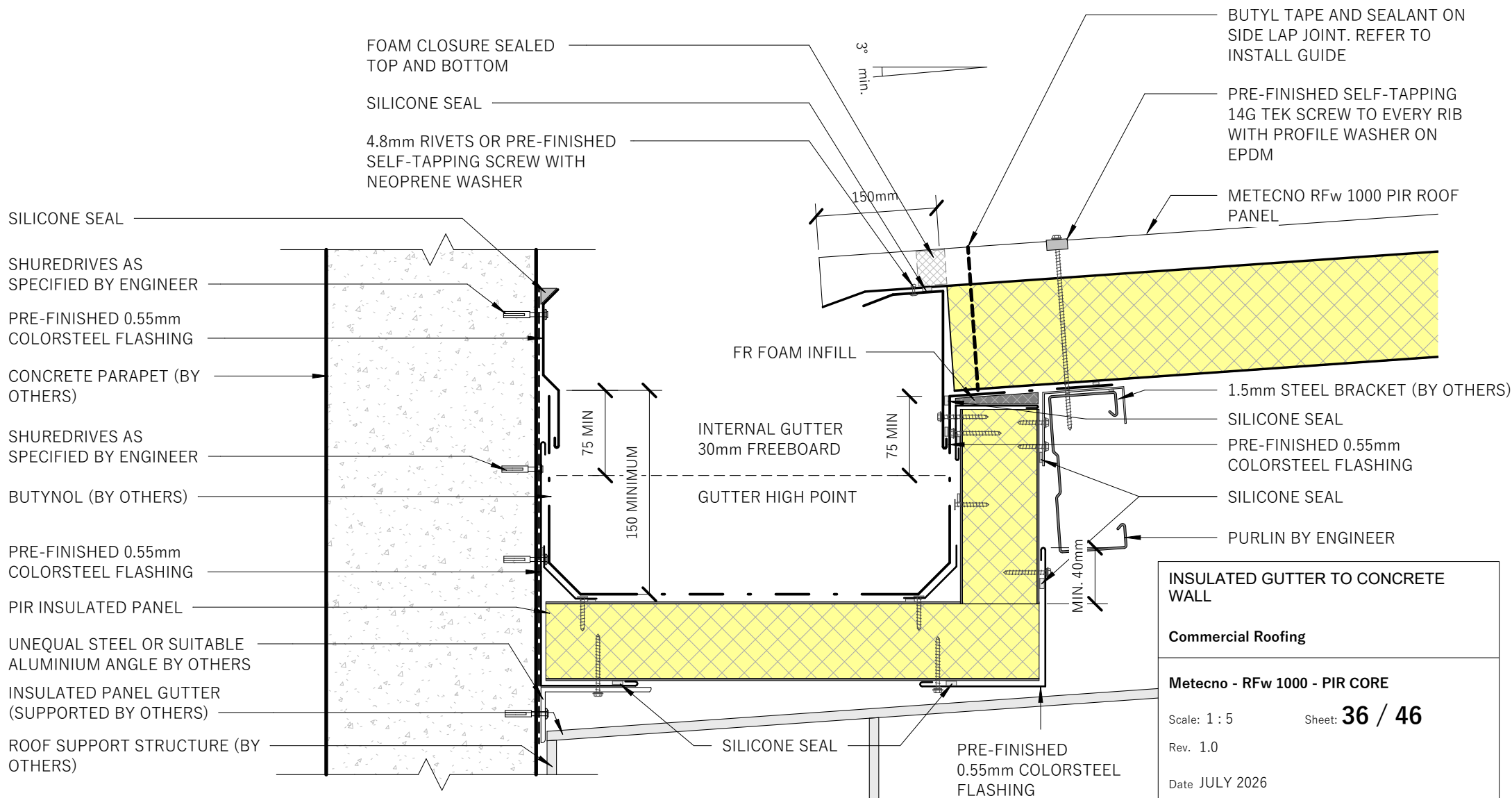
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AS PER MRM CODE OF PRACTICE

1. NZMRM ALLOWS FOR CUSTOM INTERNAL GUTTER DESIGN.
2. THE ARCHITECT OR DESIGNER MUST SATISFY THEMSELVES WITH THE CORRECT INTERNAL GUTTER DESIGN FOR THEIR PROJECTS AND REFER TO THE NZMRM CODE OF PRACTICE FOR THE INTERNAL GUTTER CAPACITY CALCULATION TOOL AND ALTERNATIVE SOLUTIONS FOR PITCHES DOWN TO THAT OF THE ALLOWABLE PITCH OF THE SELECTED ROOFING PROFILE.
3. INTERNAL GUTTERS MUST INCORPORATE ALLOWANCE FOR FREEBOARD OF 30mm
4. REFER NZMRM CODE OF PRACTICE FOR MORE INFORMATION ON INTERNAL GUTTER DESIGNS.

INSULATED GUTTER TO CONCRETE WALL

Commercial Roofing

Metecno - Rfw 1000 - PIR CORE

Scale: 1 : 5

Sheet: **36 / 46**

Rev. 1.0

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4.8mm RIVET BEDDED IN SILICONE OR
PRE-FINISHED 8G WAFER-TEK SCREW

SILICONE SEAL

METECNO RFw 1000
PIR ROOF PANEL
CUT EDGE
PRE-FINISHED
0.55mm COLORSTEEL
FLASHING

DPC SEPARATION
LAYER

SILICONE SEAL

SHUREDRIVE
ENGINEERED BY OTHERS

CONCRETE BY OTHERS

MIN. 2 RIBS

5mm GAP

4.8mm RIVET BEDDED IN SILICONE OR
PRE-FINISHED 8G WAFER-TEK SCREW

SILICONE SEAL

PRE-FINISHED SELF-TAPPING 14G
TEK SCREW

SHUREDRIVE ENGINEERED BY OTHERS

SILICONE SEAL

PRE-FINISHED INTERNAL 0.55mm COLORSTEEL FLASHING
(OPTIONAL WHEN REQUIRED)
PURLIN BY ENGINEER

0.55mm Z-PROFILE FLASHING
(NOT REQUIRED WHEN OVER
2 RIBS)

PRE-FINISHED SELF-TAPPING
14G TEK SCREW TO EVERY RIB
WITH PROFILE WASHER ON
EPDM

METECNO RFw 1000 PIR ROOF
PANEL

ROOF SUPPORT STRUCTURE
(BY OTHERS)

A = MINIMUM EDGE
DISTANCE INTO
CONCRETE IS
GOVERNED BY THE
SHUREDRIVE
DIAMETER AND IS THE
RESPONSIBILITY OF
THE DESIGNER

BARGE CAPPING DETAIL ON CONCRETE WALL 01

Commercial Roofing

Metecno - RFw 1000 - PIR CORE

Scale: 1 : 5

Sheet: **37 / 46**

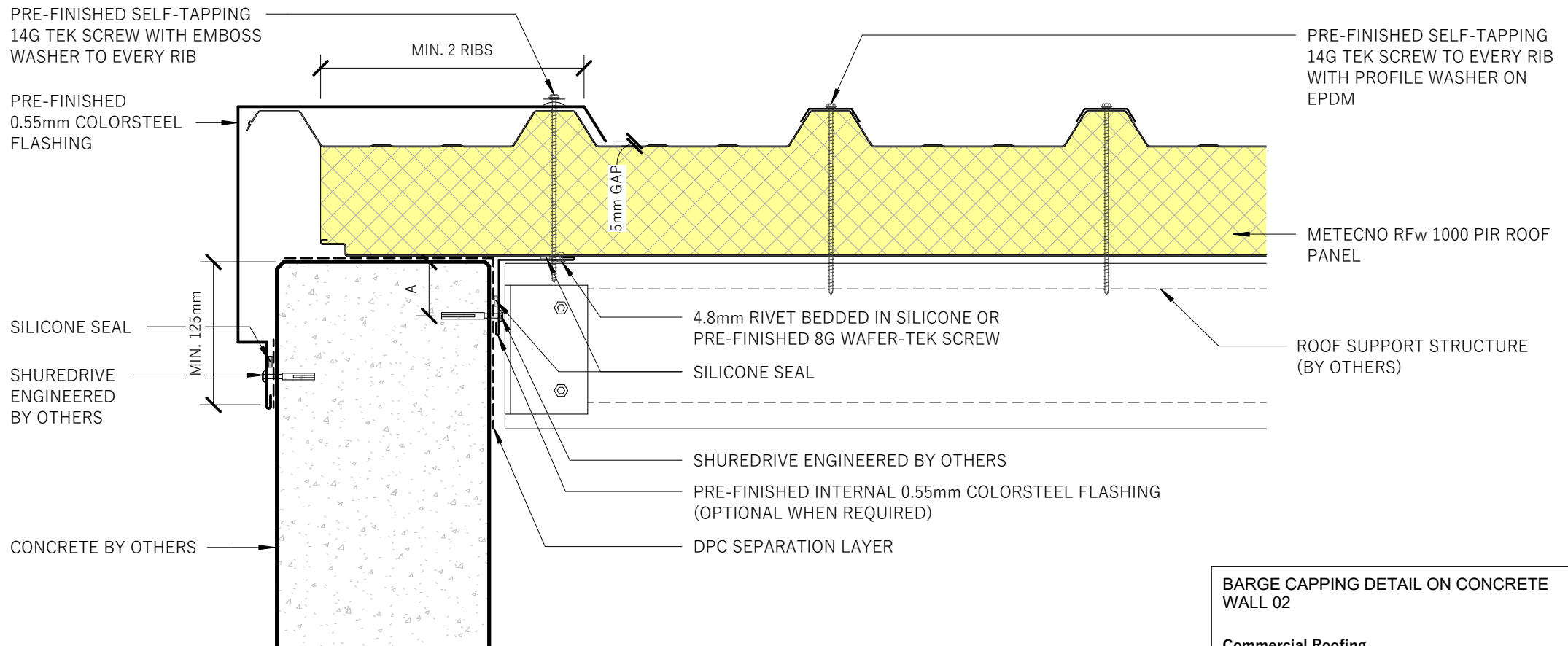
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A = MINIMUM EDGE DISTANCE INTO CONCRETE IS GOVERNED BY THE SHUREDRIVE DIAMETER AND IS THE RESPONSIBILITY OF THE DESIGNER

BARGE CAPPING DETAIL ON CONCRETE WALL 02

Commercial Roofing

Metecno - Rfw 1000 - PIR CORE

Scale: 1 : 5 Sheet: **38 / 46**

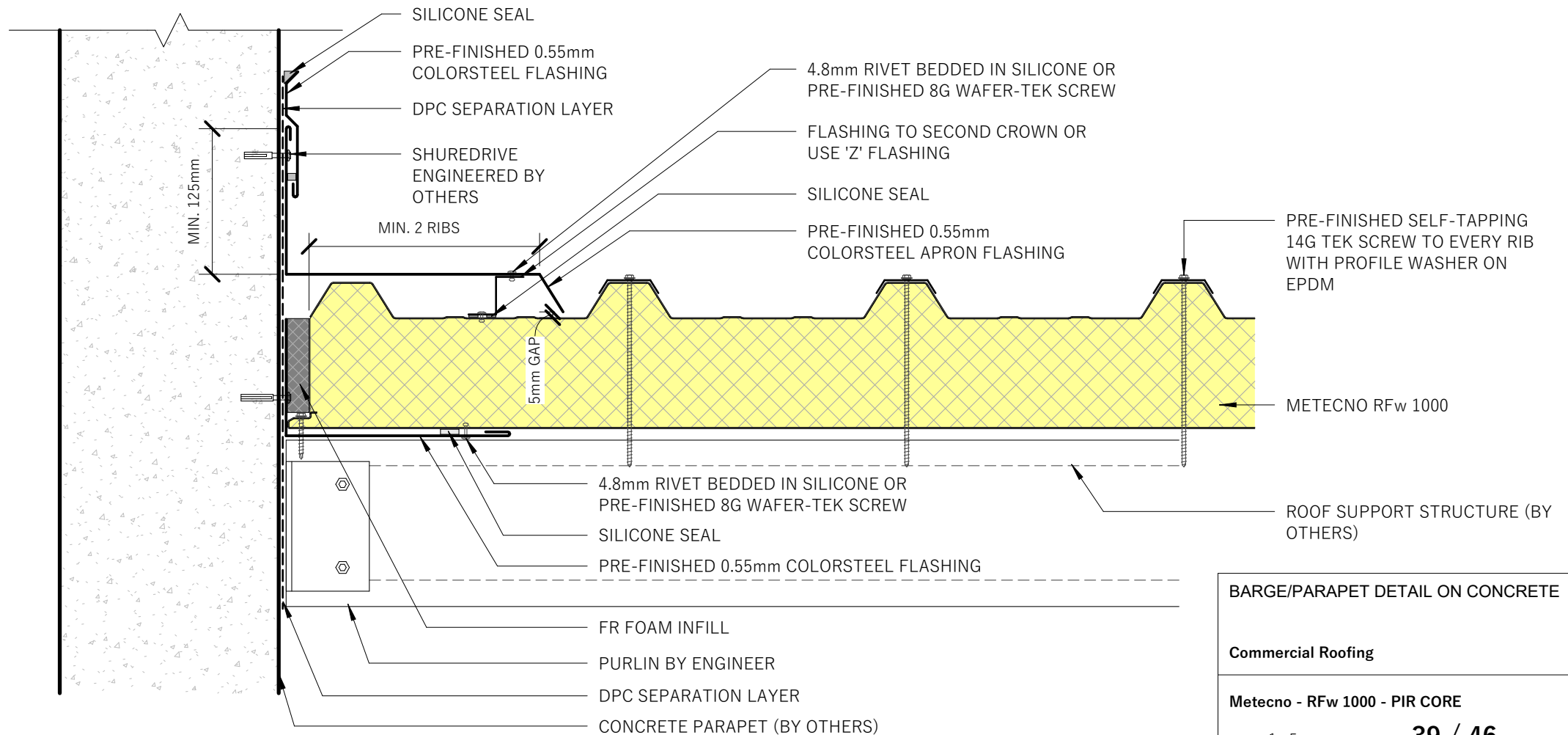
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BARGE/PARAPET DETAIL ON CONCRETE

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **39 / 46**

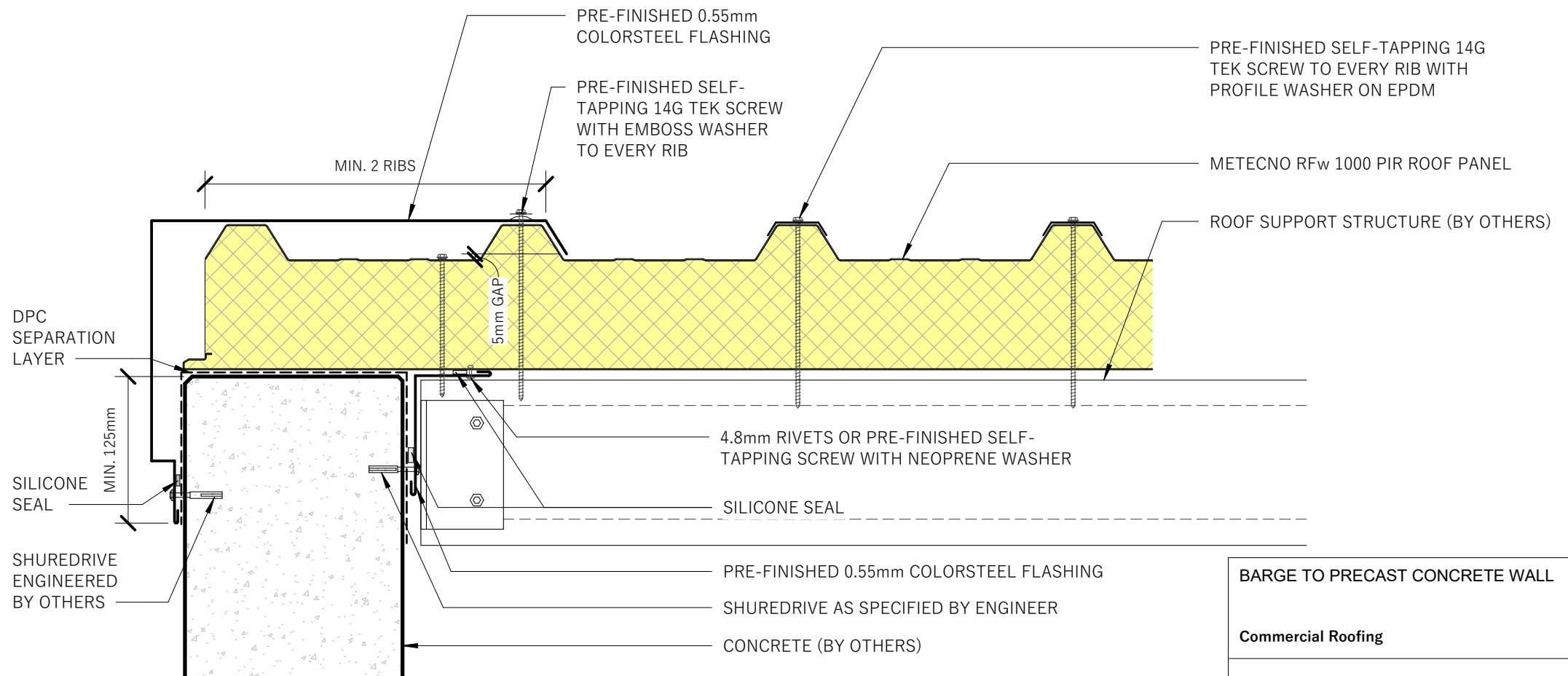
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BARGE TO PRECAST CONCRETE WALL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **40 / 46**

Rev. 1.0

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PRE-FINISHED SELF-TAPPING
14G TEK SCREW TO EVERY RIB
WITH PROFILE WASHER ON
EPDM

BUTYL TAPE AND SEALANT ON
SIDE LAP JOINT. REFER TO
INSTALL GUIDE

4.8mm RIVETS OR PRE-FINISHED
SELF-TAPPING SCREW WITH
NEOPRENE WASHER

BOX GUTTER WITH
EXTERNAL BRACKET

SILICONE SEAL

PRE-FINISHED 0.55mm
COLORSTEEL FLASHING

DPC SEPARATION LAYER

TIMBER BY OTHERS

FASTEN GUTTER BRACKET WITH
SUITABLE LENGTH TEK SCREWS
INTO FASCIA PURLIN (BY OTHERS)

150mm RECOMMENDED IF GUTTER SIZE ALLOWS

MIN. 35mm

MIN. 125mm

3°
min.

METECNO RFW 1000 PIR
ROOF PANEL

SILICONE SEAL

TIMBER WALL BY OTHERS

EAVES BOX GUTTER 175 DETAIL ON TIMBER ROOF STRUCTURE RIGID UNDERLAY

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **41 / 46**

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TOPGLASS GC ULTRASAFE 1.8mm
3660GSM TOP SKIN

TEK SCREW TO EVERY RIB
WITH PROFILE/EPDM
WASHER

6x4mm BUTYL TAPE

1mm GALV. STEEL CUSTOM MADE
STRONGBACK SUPPORT @
REQUIRED CENTRES

FLASHING CLOSURE

METECNO RfW 1000 PIR ROOF
PANEL

ROOF SUPPORT STRUCTURE
(BY OTHERS)

METECNO RfW 1000 PIR ROOF
PANEL
LASERLITE MAKROLON

- ALSYNITE RECOMMEND CONTINUOUS
RUN FROM RIDGE TO GUTTER
- R-VALUE OF ROOFLIGHT =0.57
- NO SAFETY MESH REQUIRED
- FOR MORE INFORMATION REFER
www.alsynite.co.nz

SKYLIGHT PANEL DETAIL

Commercial Roofing

Metecno - RfW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **42 / 46**

Rev. 1.0

Date JULY 2026

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PENETRATION PROVIDED &
WEATHER SEALED BY OTHERS

METECNO CR 1100 SAME R-VALUE AS ROOF

TURN UP PANS TO FULL RIB HEIGHT

PRE-FINISHED 0.55mm
COLORSTEEL FLASHING

PRE-FINISHED SELF-TAPPING
14G TEK SCREW TO EVERY
RIB WITH PROFILE WASHER
ON EPDM

FOAM CLOSURE
SEALED TOP AND
BOTTOM

SILICONE SEAL

METECNO RFW 1000 PIR ROOF PANEL

0.55mm INTERNAL
COLORSTEEL FLASHING

FR FOAM INFILL

4.8mm RIVETS OR PRE-FINISHED SELF-TAPPING
SCREW WITH NEOPRENE WASHER

MAX. 700mm

MIN. 250mm

MAX. 300mm

MAX. 300mm

DIVERTER
WHEN
REQUIRED

PRE-FINISHED SELF-
TAPPING 14G TEK
SCREW WITH EMBOSS
WASHER TO EVERY RIB

BACK TRAY
FLASHING TO
RIDGE

SILICONE SEAL

4.8mm RIVETS OR
PRE-FINISHED SELF-
TAPPING SCREW
WITH NEOPRENE
WASHER

INSULATED PENETRATION DETAIL 01

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **43 / 46**

Rev. 1.0

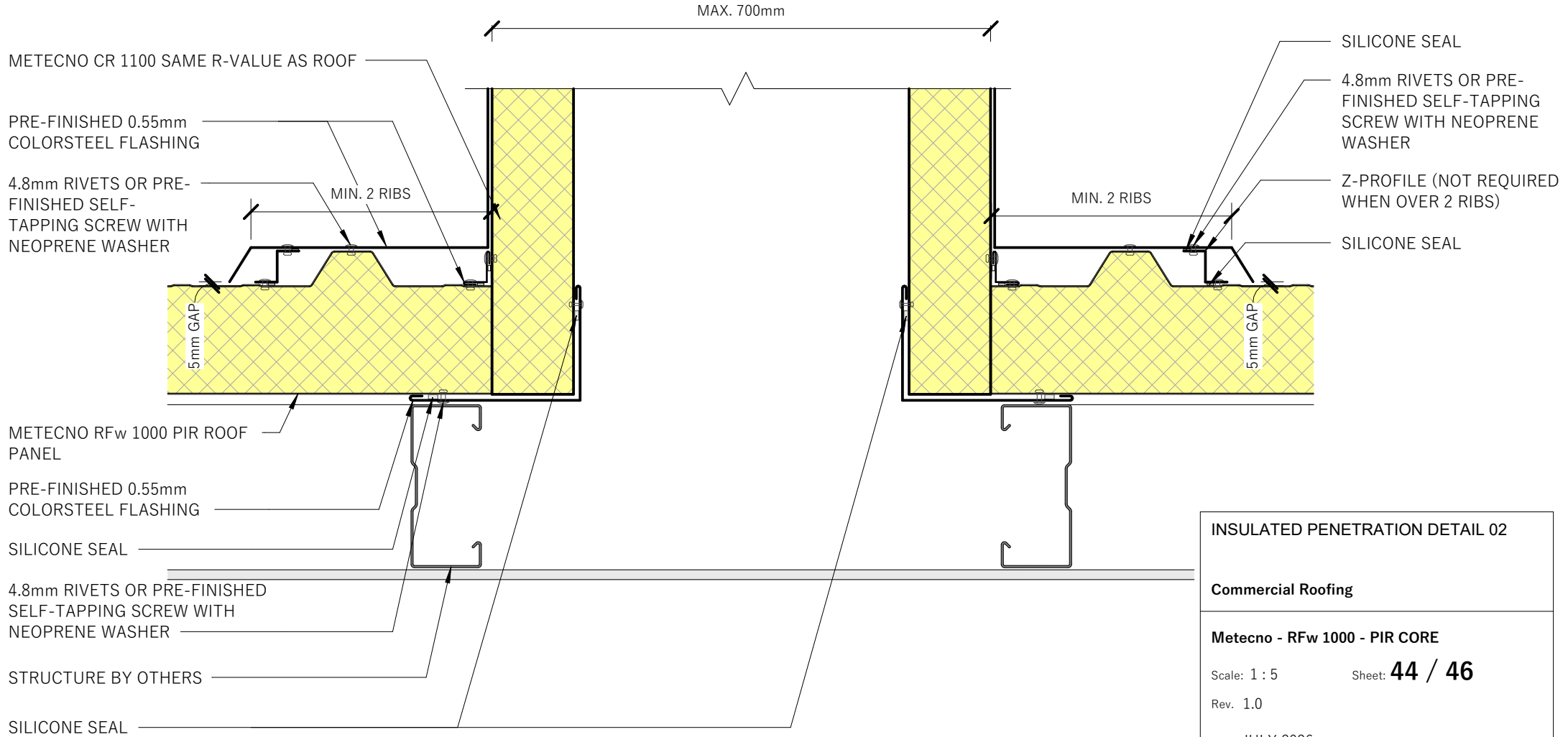
Date JULY 2026

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PENETRATION PROVIDED &
WEATHER SEALED BY OTHERS



INSULATED PENETRATION DETAIL 02

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 5

Sheet: **44 / 46**

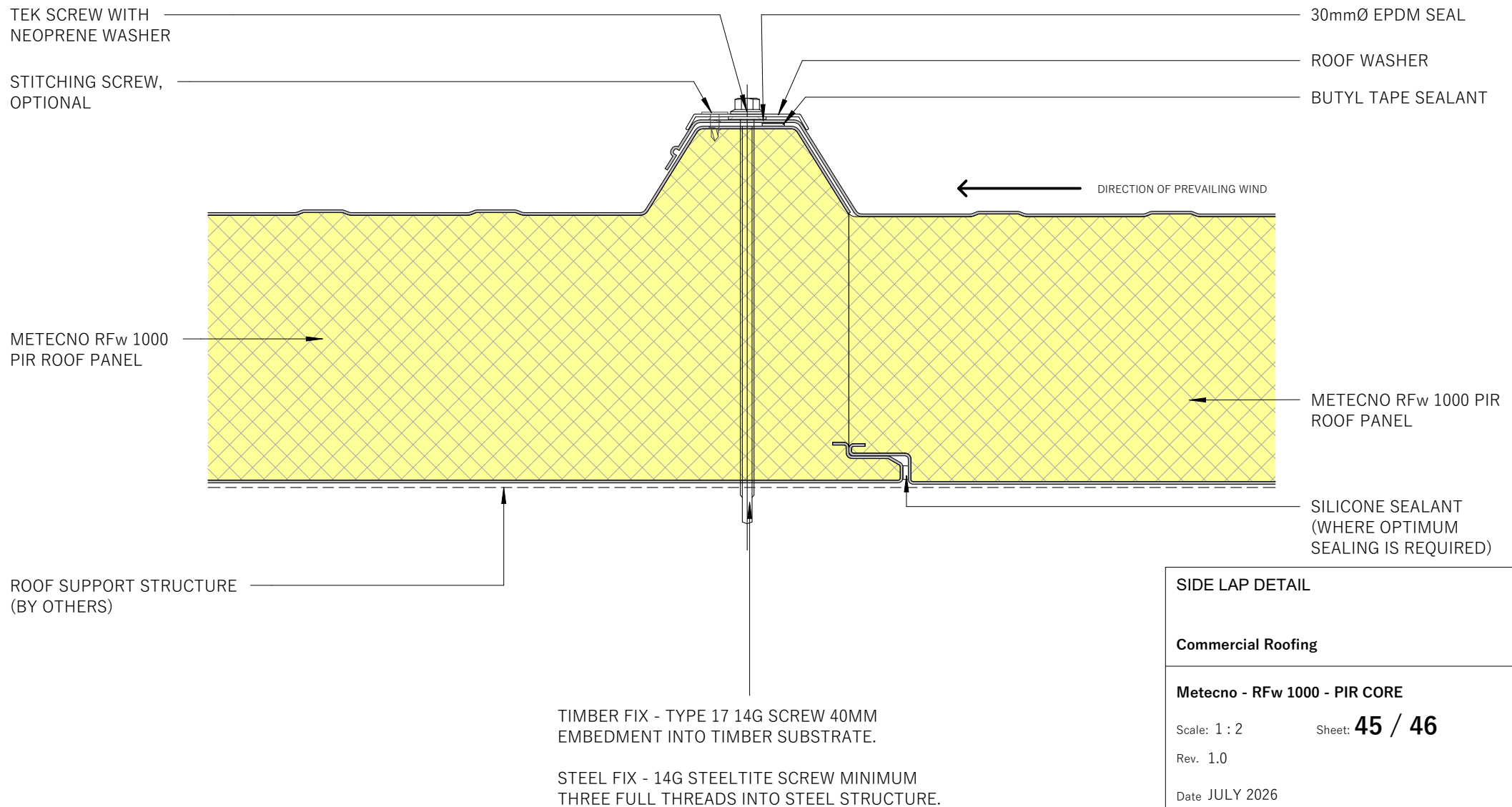
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SIDE LAP DETAIL

Commercial Roofing

Metecno - RFW 1000 - PIR CORE

Scale: 1 : 2

Sheet: **45 / 46**

Rev. 1.0

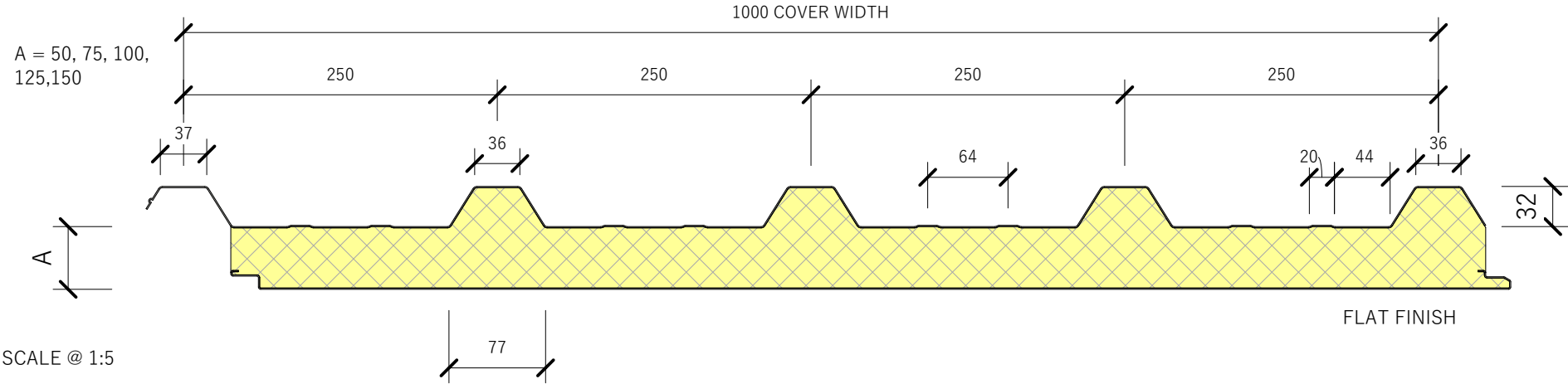
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RFw 1000-PIR CORE

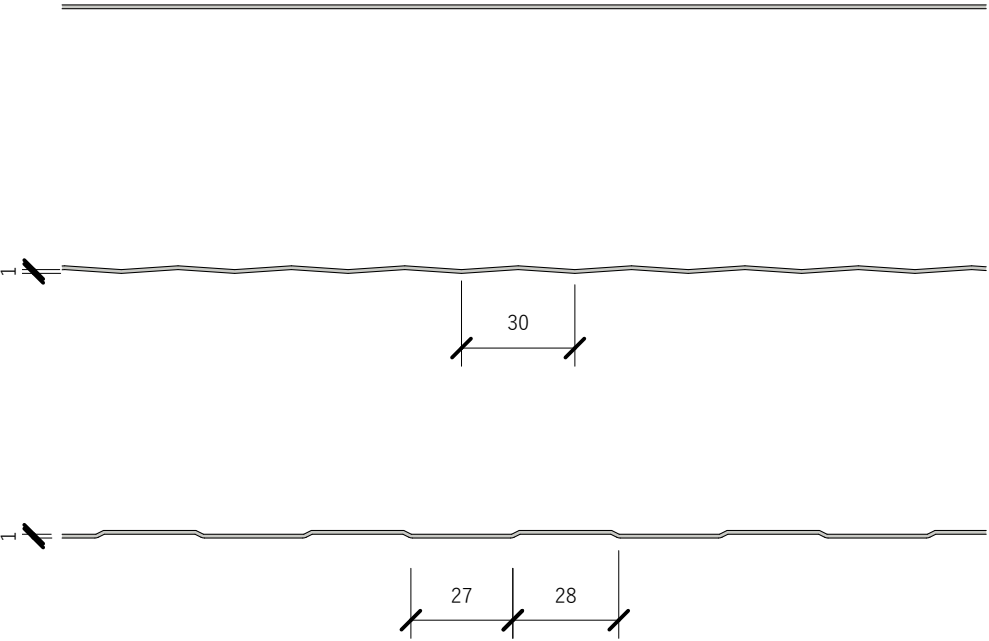


INTERNAL LINER FINISHES

FLAT FINISH

SATINLINE FINISH

FINELINE FINISH



SCALE @ 1:2

PANEL PROFILE AND SIZE

Commercial Roofing

Metecno - RFw 1000 - PIR CORE

Scale: As indicated Sheet: **46 / 46**

Rev. 1.0

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