

ALLCO ALLTHERM WARM ROOF DETAILS LIST

TABLE OF CONTENTS

WR-001	UPSTAND DETAIL – CLADDING OVERLAP
WR-001A	UPSTAND DETAIL – CLADDING OVERLAP - METAL SUBSTRATE
WR-002	GUTTER OULTET
WR-002A	GUTTER OULTET - METAL SUBSTRATE
WR-003	PARAPET DETAIL
WR-003A	PARAPET DETAIL - METAL SUBSTRATE
WR-004	PARAPET SCUPPER OUTLET
WR-004A	PARAPET SCUPPER OUTLET - METAL SUBSTRATE
WR-005	FLOATING DECK
WR-005A	FLOATING DECK - METAL SUBSTRATE
WR-006	PLANT FIXING PLINTH
WR-006A	PLANT FIXING PLINTH - METAL SUBSTRATE
WR-007	SKYLIGHT UPSTAND
WR-007A	KYLIGHT UPSTAND - METAL SUBSTRATE
WR-008	PIPE PENETRATION
WR-008A	PIPE PENETRATION - METAL SUBSTRATE
WR-009	DRIP EDGE
WR-009A	DRIP EDGE - METAL SUBSTRATE
WR-010	SKYLIGHT PENETRATION - UPSTAND



The information and data contained herein are believed to be accurate and reliable.
This information does not constitute a warranty and should be used in conjunction with
the project specification document supplied by Allco Waterproofing Solutions Ltd
Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from
this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186

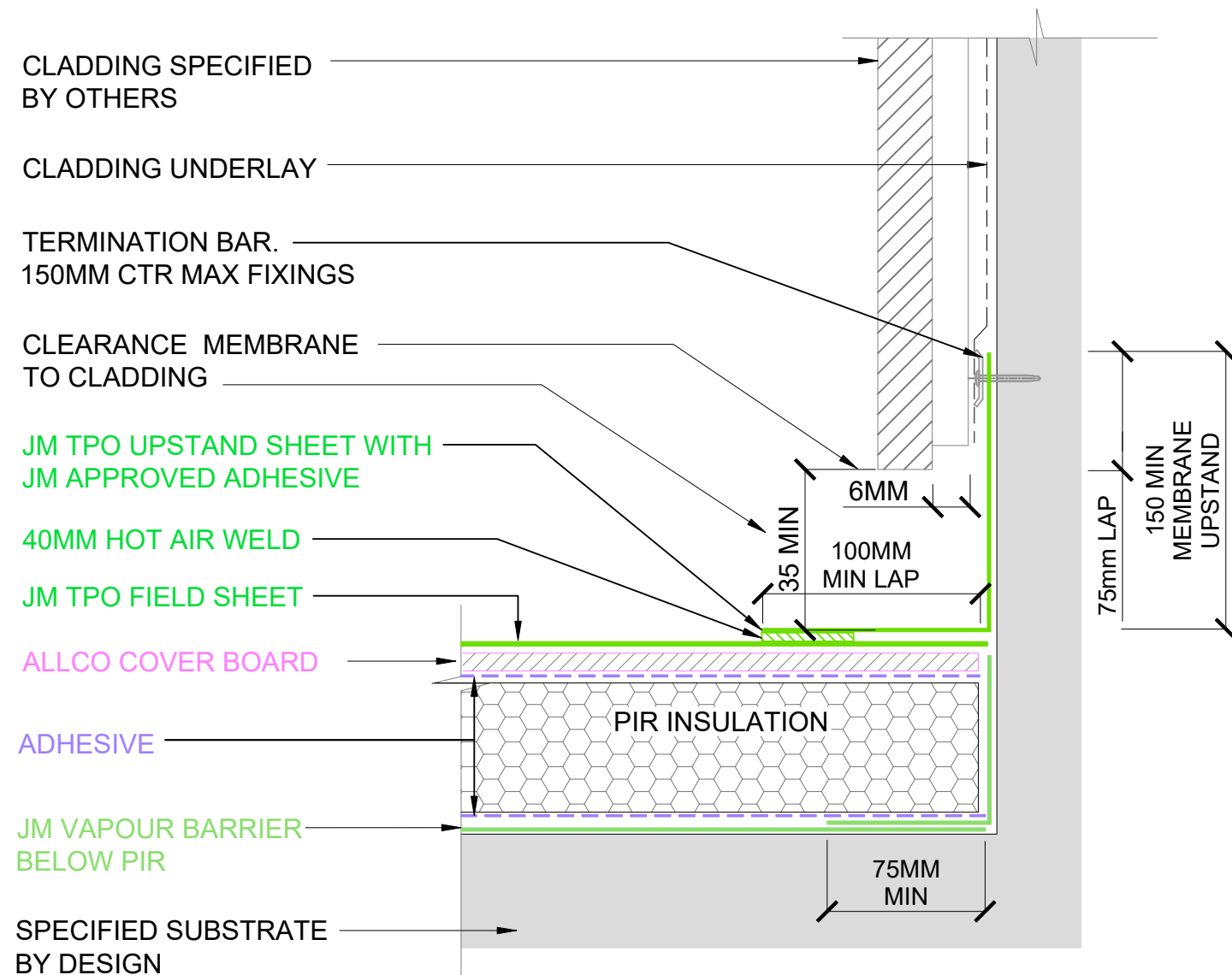
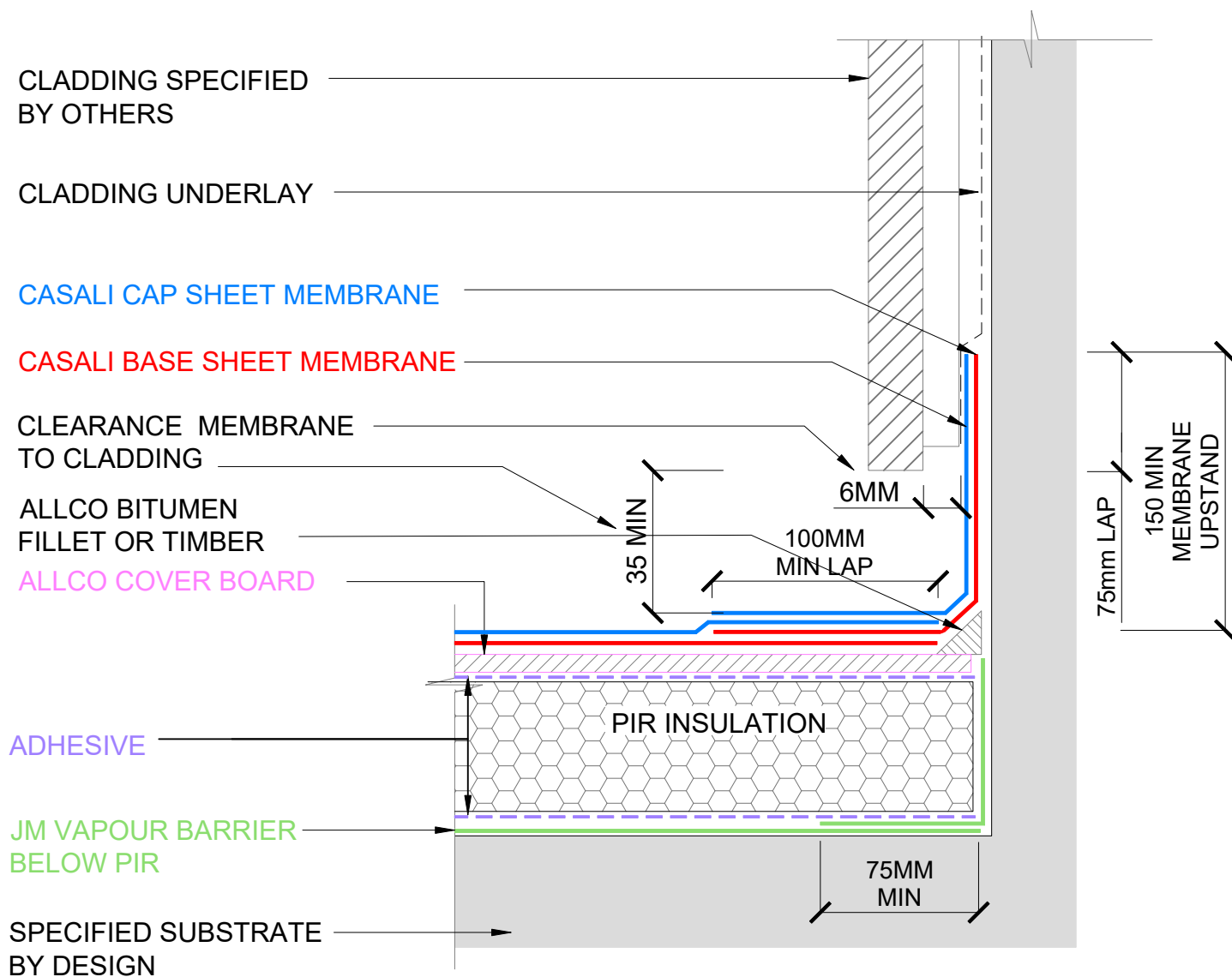


DRAWN BY:
ALLCO

DATE:
06/23

DRAWING REF:
WR-INDEX

REV:
2



1

ALLCO ALLTHERM WARM ROOF - CASALI - UPSTAND / WALL CLADDING

SCALE: NTS

2

ALLCO ALLTHERM WARM ROOF - JM TPO - UPSTAND / WALL CLADDING

SCALE: NTS



The information and data contained herein are believed to be accurate and reliable. This information does not constitute a warranty and should be used in conjunction with the project specification document supplied by Allco Waterproofing Solutions Ltd. Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186

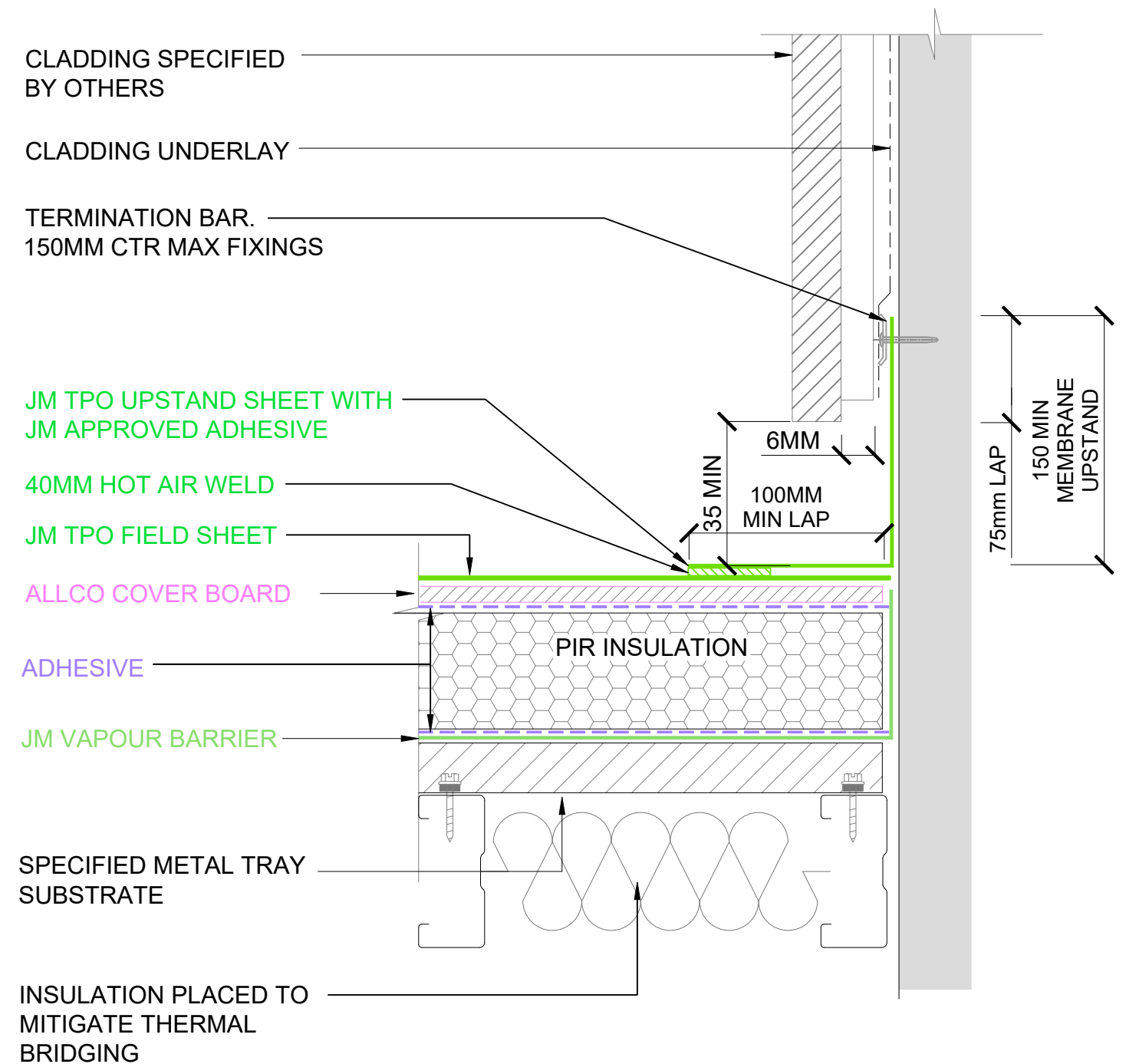
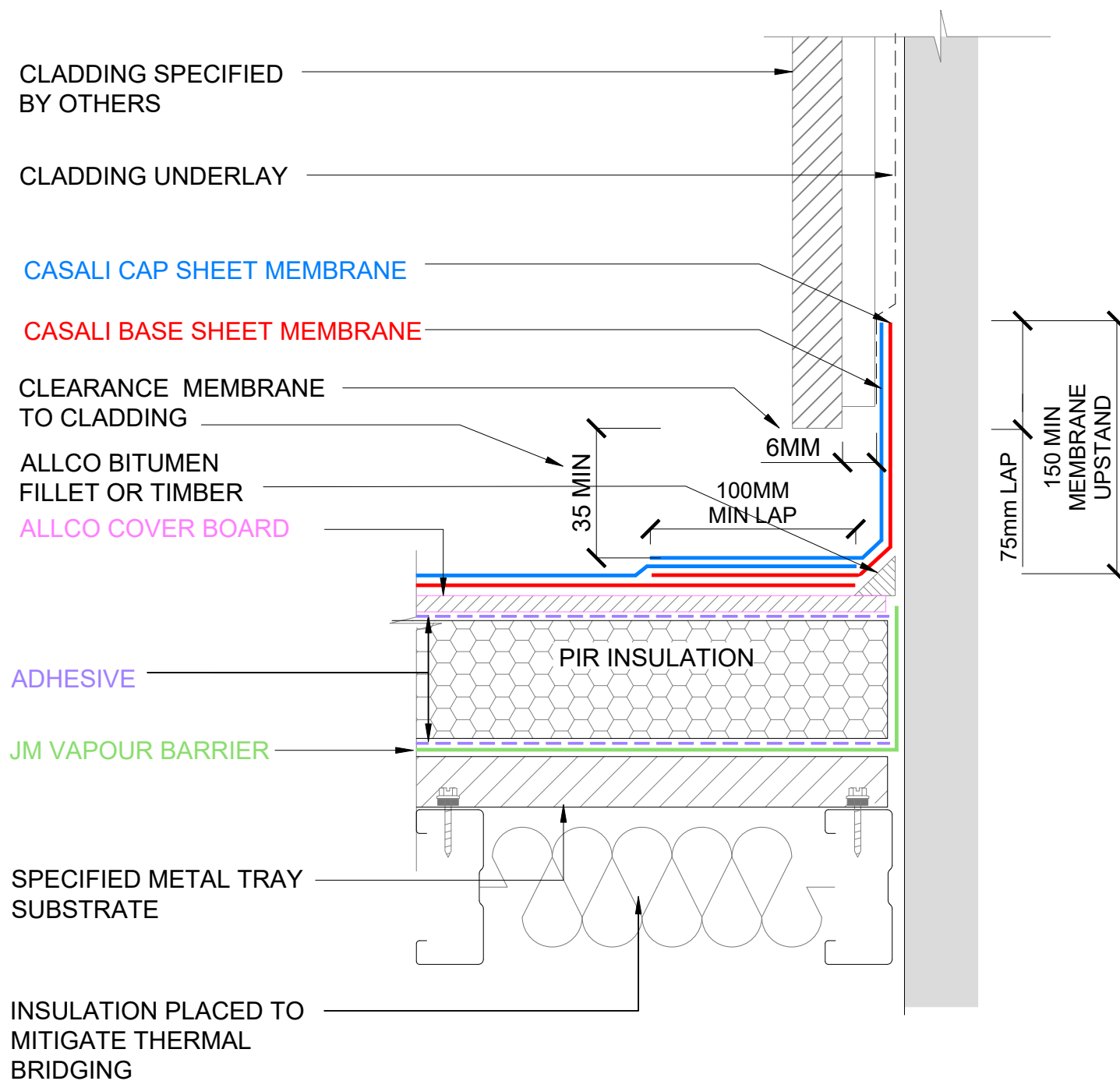


DRAWN BY:
ALLCO

DATE:
05/24

DRAWING REF:
WR-001

REV:
3



1

ALLCO ALLTHERM WARM ROOF - CASALI - UPSTAND / WALL CLADDING

SCALE: NTS

METAL TRAY SUBSTRATE

2

ALLCO ALLTHERM WARM ROOF - JM TPO - UPSTAND / WALL CLADDING

SCALE: NTS

METAL TRAY SUBSTRATE



The information and data contained herein are believed to be accurate and reliable. This information does not constitute a warranty and should be used in conjunction with the project specification document supplied by Allco Waterproofing Solutions Ltd. Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186



DRAWN BY:
ALLCO

DATE:
05/24

DRAWING REF:
WR-001A

REV:
3

CASALI CAP
SHEET MEMBRANE

CASALI BASE
SHEET MEMBRANE

ALLCO
COVER BOARD

ALLCO BITUMEN
FILLET OR TIMBER

ADHESIVE

JM VAPOUR BARRIER
BELOW PIR

SPECIFIED SUBSTRATE
BY DESIGN

40MM HOT AIR WELD

JM TPO FIELD SHEET

ALLCO
COVER BOARD

ADHESIVE

JM VAPOUR BARRIER
BELOW PIR

SPECIFIED SUBSTRATE
BY DESIGN

JM SINGLE PLY SEALING MASTIC PLACED
ON FLANGE PRIOR TO TPO LAP AND CLAMP

300 MIN

50 MIN
FREEBOARD

100mm Min.

SEALANT AROUND
PENETRATION

ALLCO ALLTHERM WARM ROOF
- CASALI GUTTER OULTET

1

SCALE: NTS

300 MIN

50 MIN
FREEBOARD

100mm Min.

SEALANT AROUND
PENETRATION

ALLCO ALLTHERM WARM ROOF
- JM TPO GUTTER OULTET

2

SCALE: NTS



The information and data contained herein are believed to be accurate and reliable.
This information does not constitute a warranty and should be used in conjunction with
the project specification document supplied by Allco Waterproofing Solutions Ltd
Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from
this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186

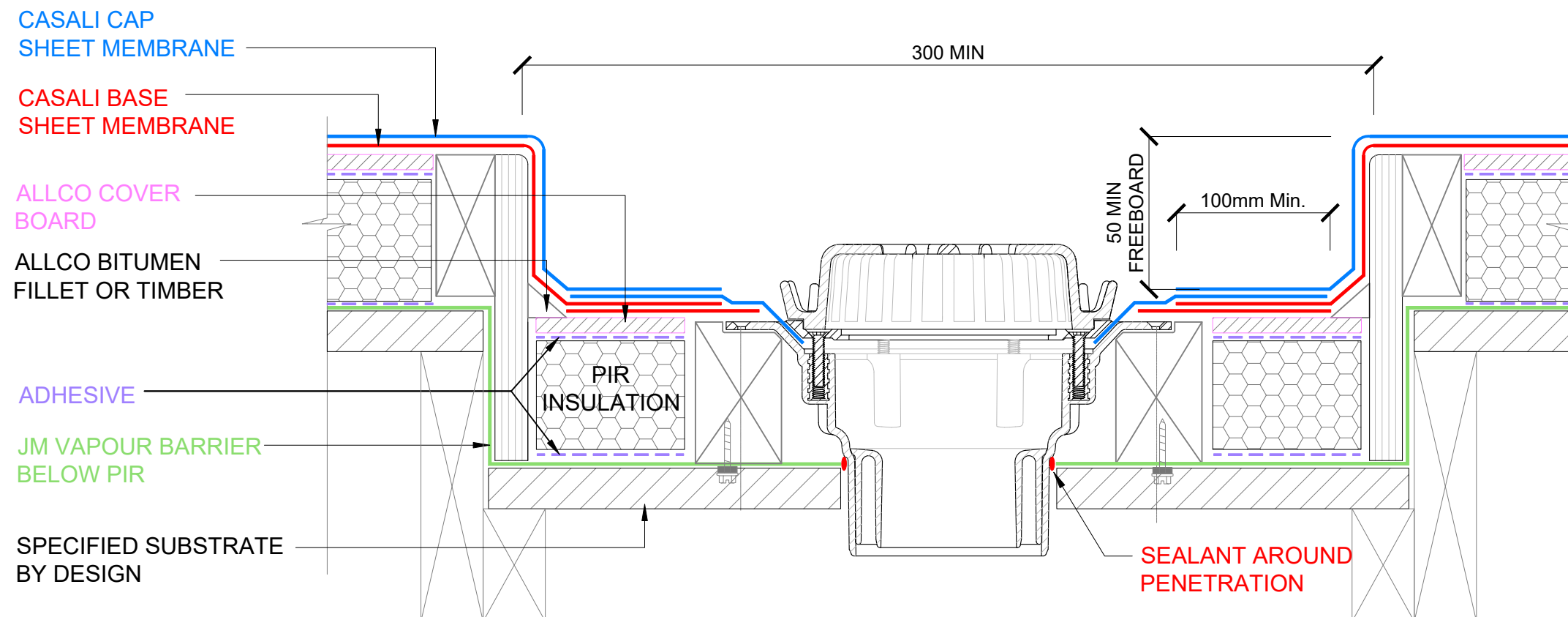


DRAWN BY:
ALLCO

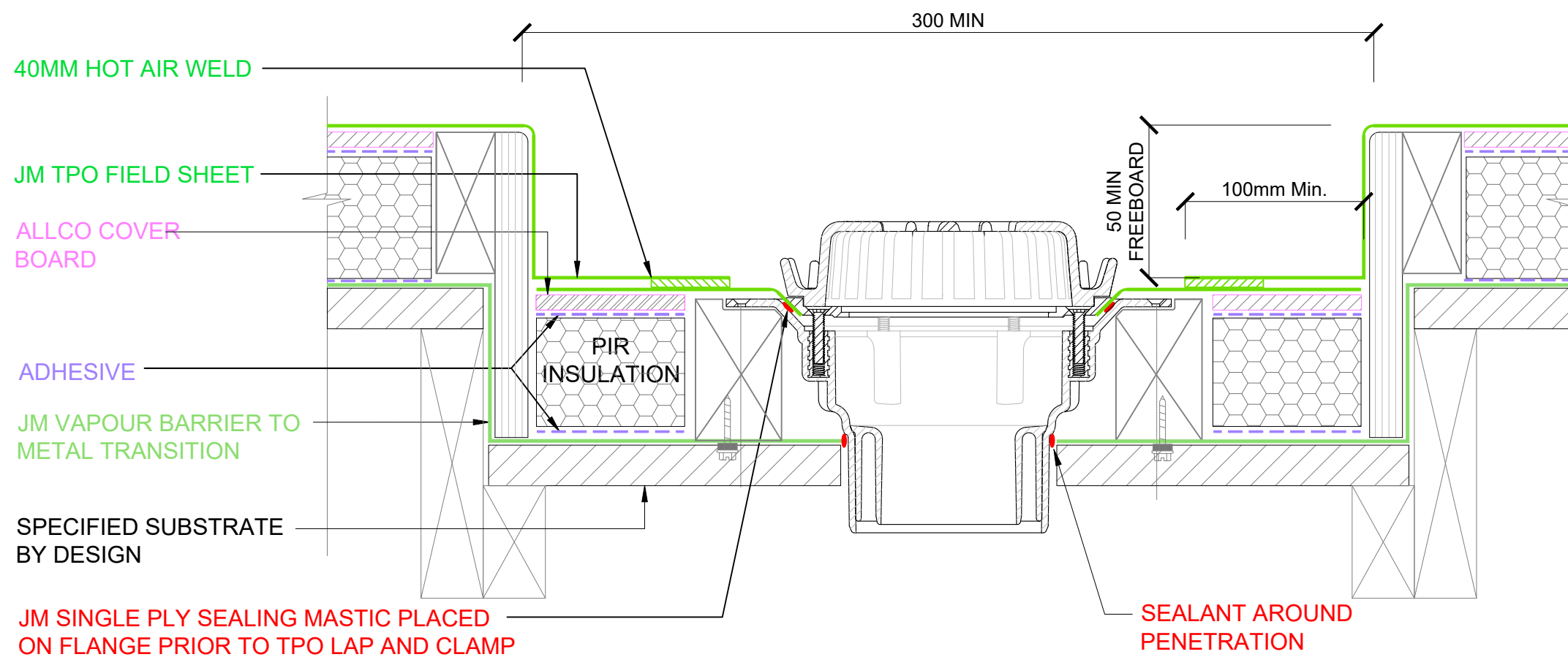
DATE:
05/24

DRAWING REF:
WR-002

REV:
3



1 ALLCO ALLTHERM WARM ROOF - CASALI GUTTER OULTET
SCALE: NTS METAL TRAY SUBSTRATE



2 ALLCO ALLTHERM WARM ROOF - JM TPO GUTTER OULTET
SCALE: NTS METAL TRAY SUBSTRATE



The information and data contained herein are believed to be accurate and reliable. This information does not constitute a warranty and should be used in conjunction with the project specification document supplied by Allco Waterproofing Solutions Ltd. Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186



DRAWN BY: ALLCO	DATE: 05/23
DRAWING REF: WR-002A	REV: 3

NOTE
Z= VARIABLE ACCORDING TO WIND
ZONES, REFER TO NZBC E2 AS1 TABLE 7
(70mm TYPICAL)

PREFINISHED PARAPET FLASHING BY OTHERS

ALLCO BITUMEN FILLET OR TIMBER

CASALI CAP SHEET
MEMBRANE

CASALI BASE SHEET
MEMBRANE

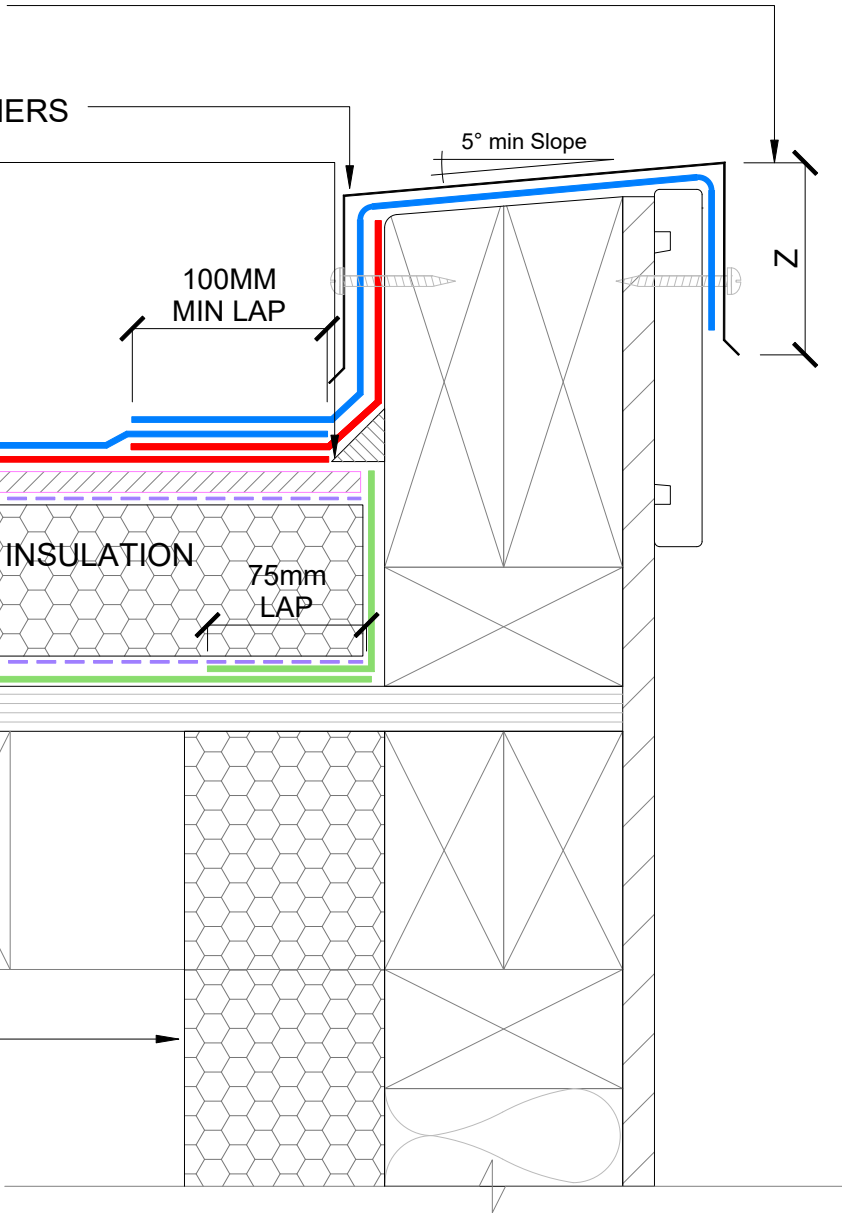
ALLCO
COVER BOARD

ADHESIVE

JM VAPOUR BARRIER
BELOW PIR

SPECIFIED SUBSTRATE
BY DESIGN

PIR INSULATION CAN BE
USED HERE TO CLOSE
THERMAL BREAK



JM TPO UPSTAND SHEET WITH
JM APPROVED ADHESIVE

40MM HOT AIR WELD

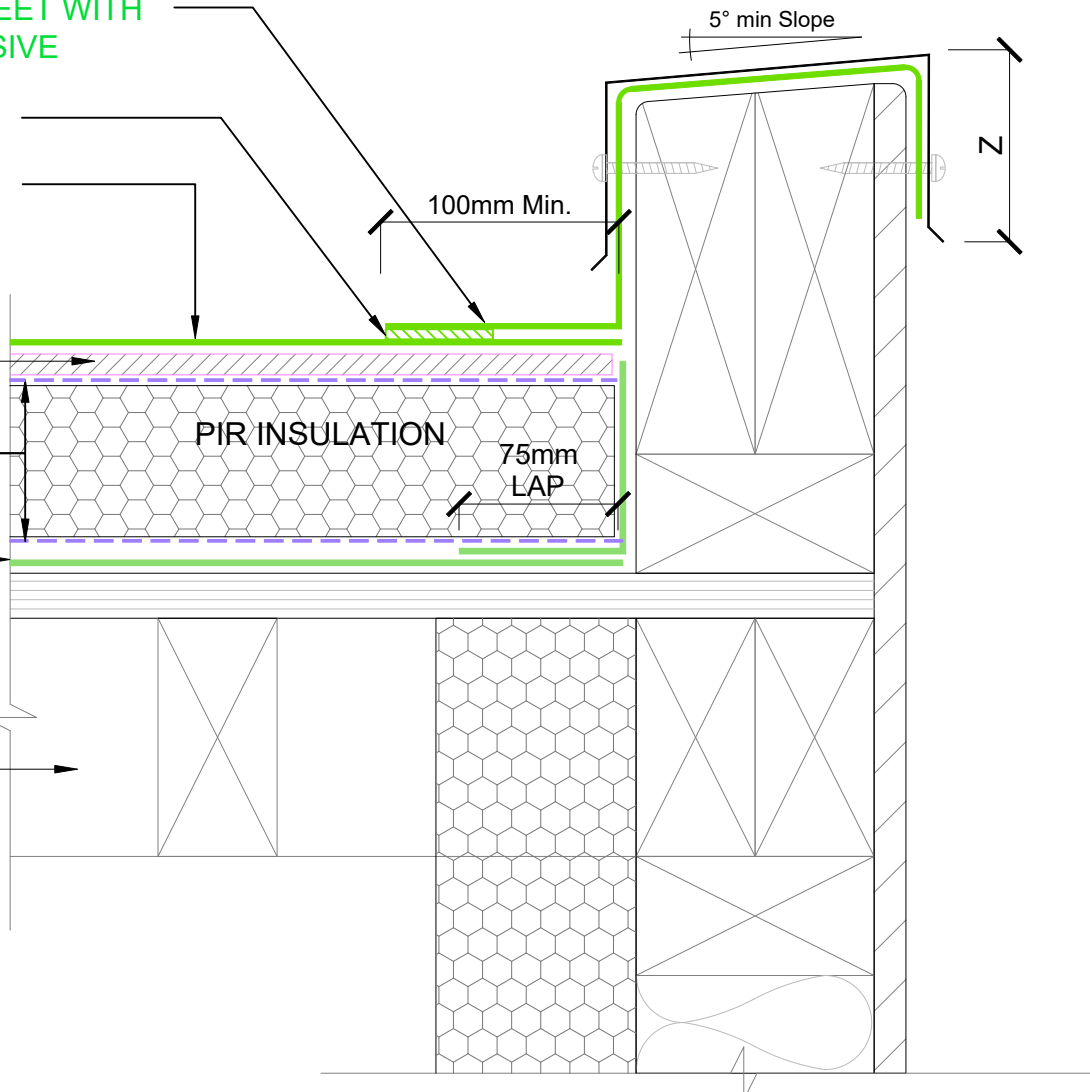
JM TPO FIELD SHEET

ALLCO
COVER BOARD

ADHESIVE

JM VAPOUR
BARRIER BELOW PIR

SPECIFIED
SUBSTRATE BY
DESIGN



1

ALLCO ALLTHERM WARM ROOF - CASALI - PARAPET DETAIL

SCALE: NTS

2

ALLCO ALLTHERM WARM ROOF - JM TPO - PARAPET DETAIL

SCALE: NTS



The information and data contained herein are believed to be accurate and reliable.
This information does not constitute a warranty and should be used in conjunction with
the project specification document supplied by Allco Waterproofing Solutions Ltd
Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from
this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186



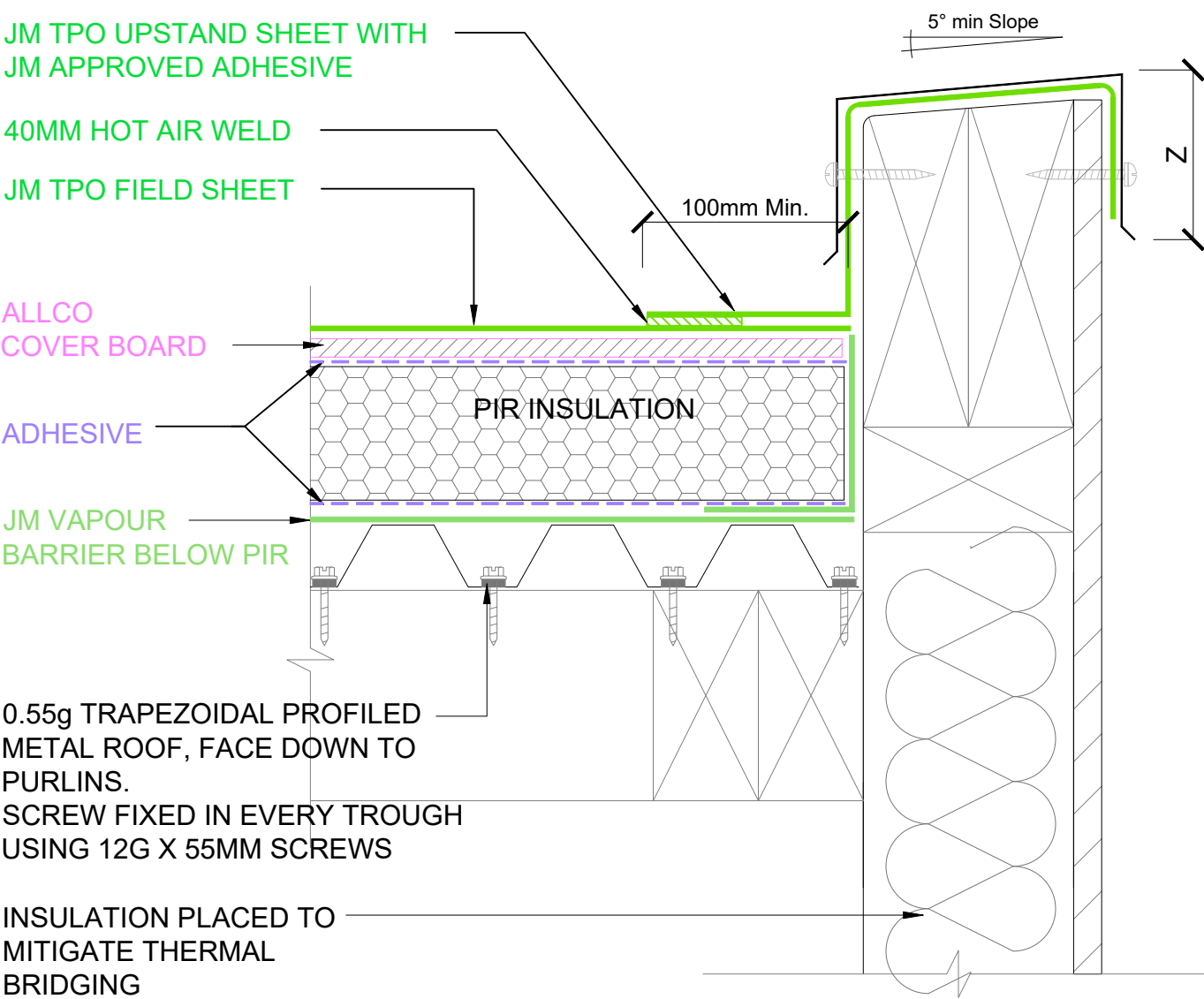
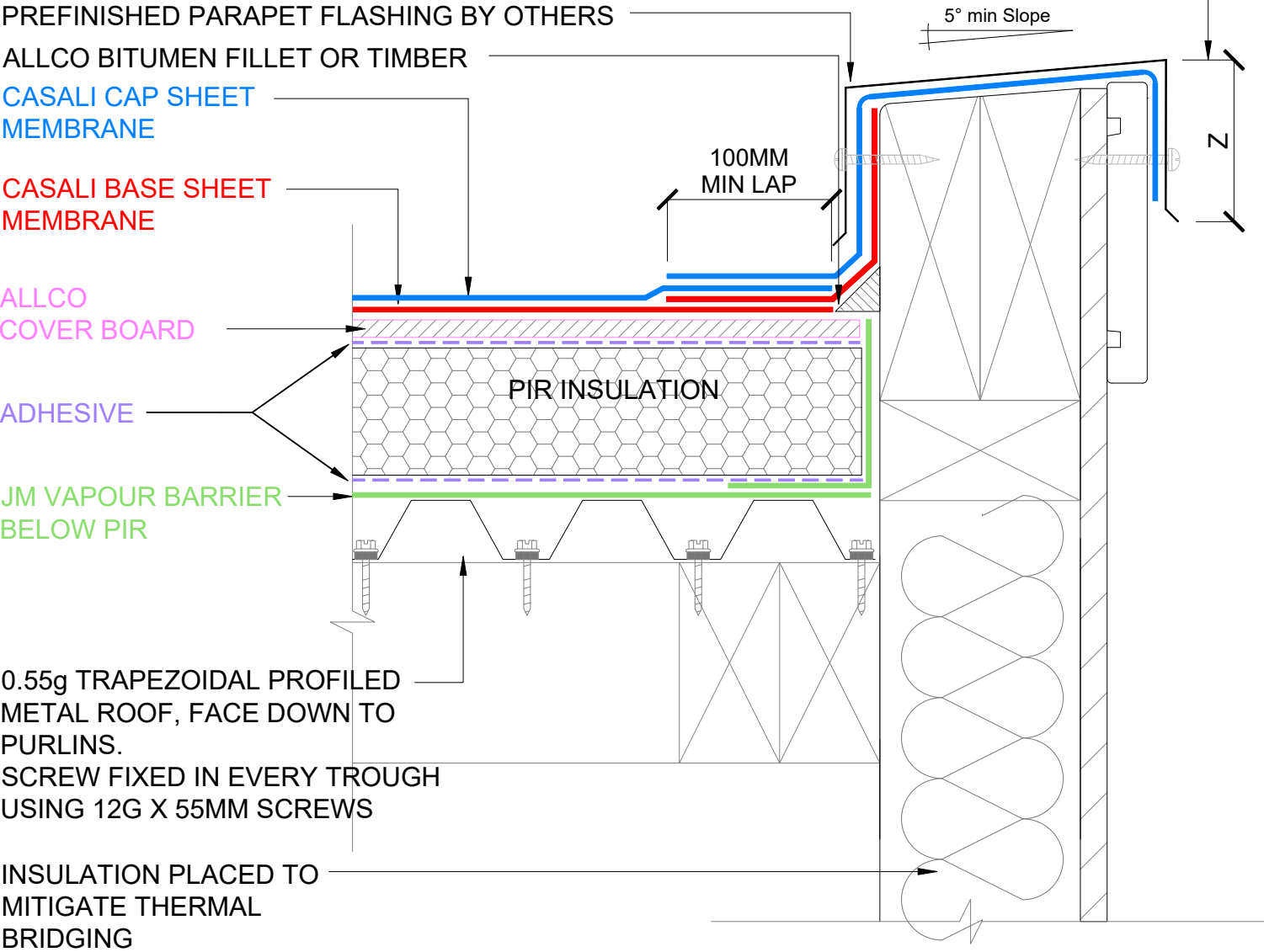
DRAWN BY:
ALLCO

DATE:
05/24

DRAWING REF:
WR-003

REV:
3

NOTE
Z= VARIABLE ACCORDING TO WIND
ZONES, REFER TO NZBC E2 AS1 TABLE 7
(70mm TYPICAL)



1 ALLCO ALLTHERM WARM ROOF - CASALI - PARAPET DETAIL
SCALE: NTS
METAL TRAY SUBSTRATE

2 ALLCO ALLTHERM WARM ROOF - JM TPO - PARAPET DETAIL
SCALE: NTS
METAL TRAY SUBSTRATE



The information and data contained herein are believed to be accurate and reliable.
This information does not constitute a warranty and should be used in conjunction with
the project specification document supplied by Allco Waterproofing Solutions Ltd
Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from
this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186

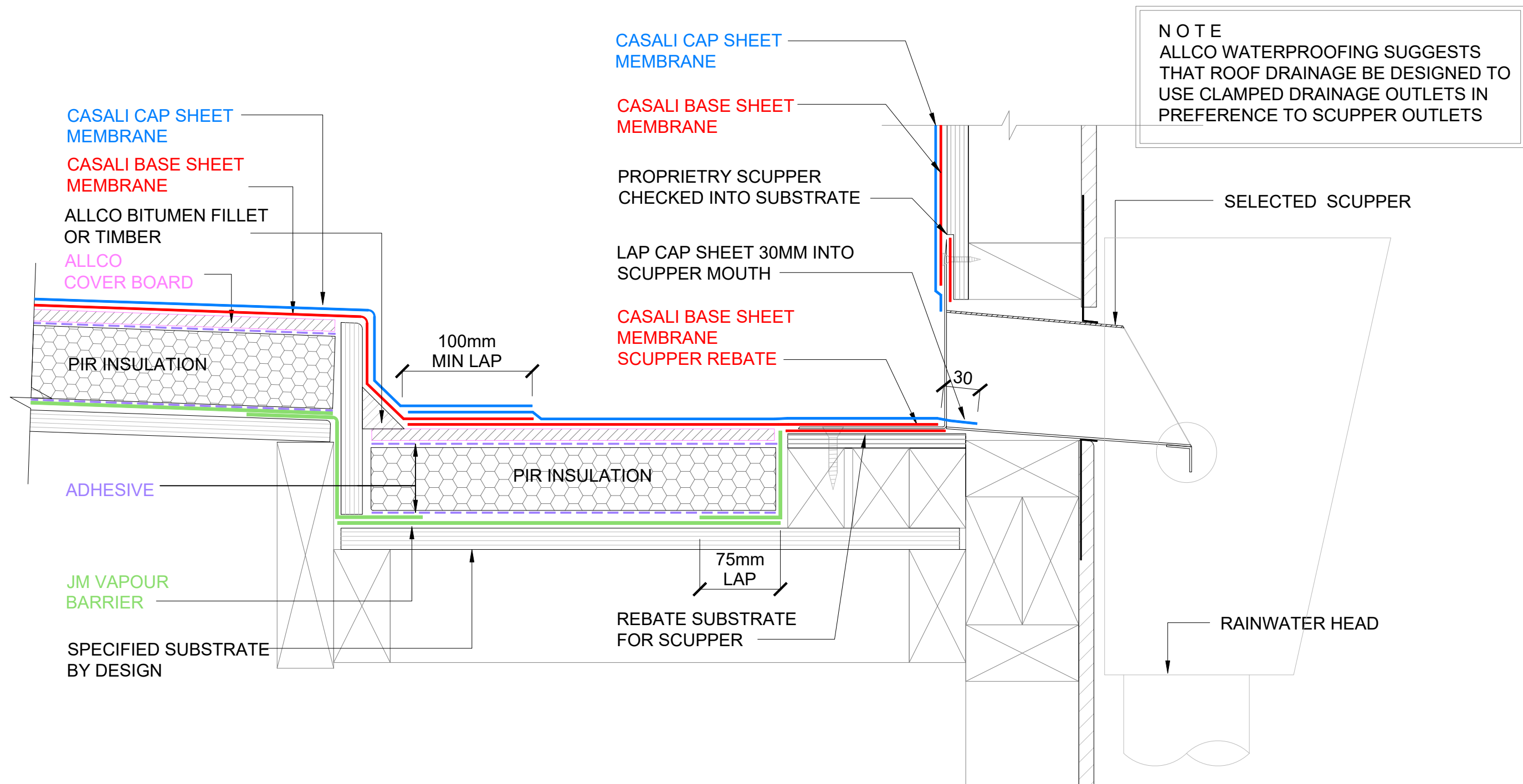


DRAWN BY:
ALLCO

DATE:
05/24

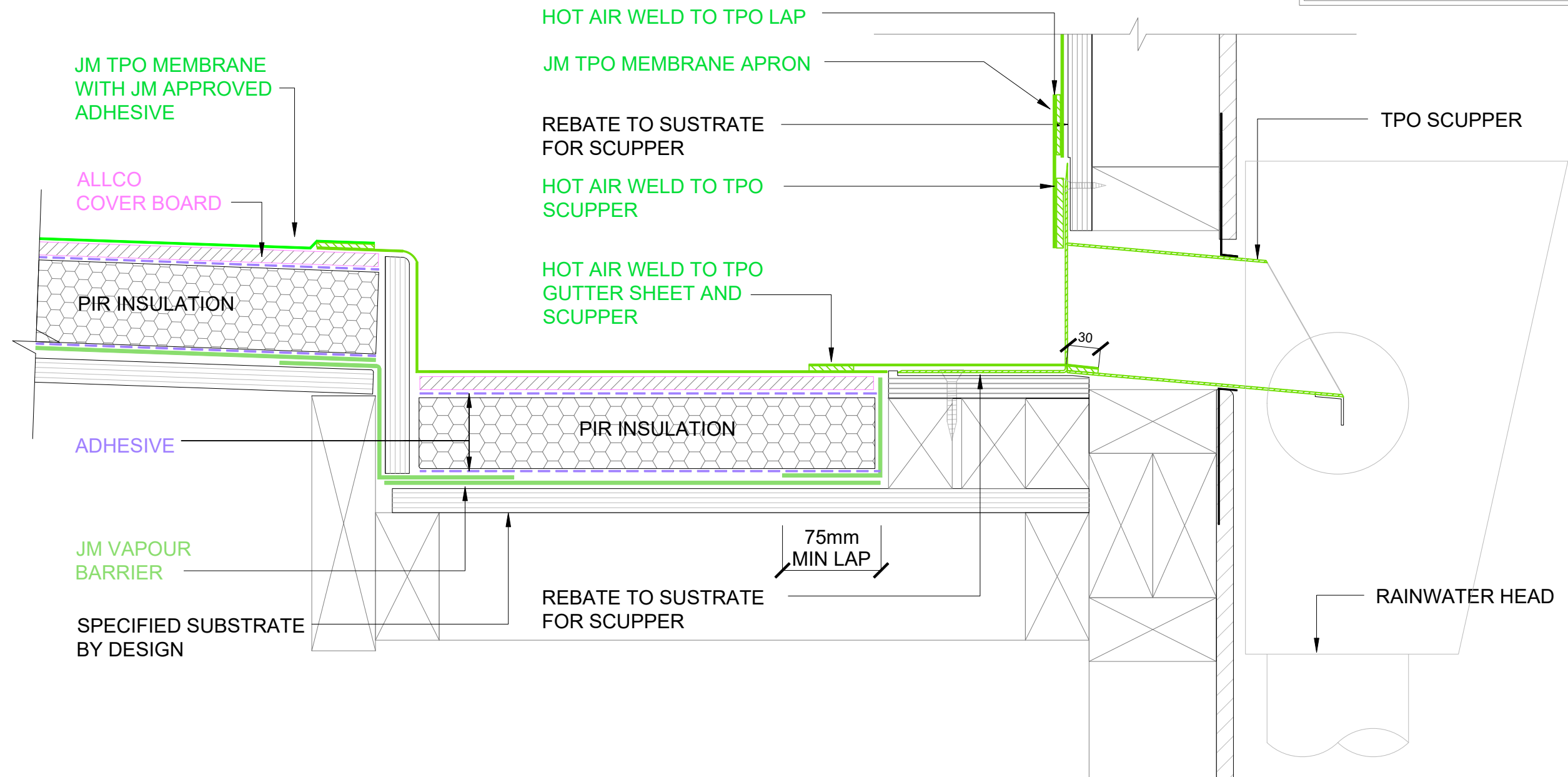
DRAWING REF:
WR-003A

REV:
4



1 ALLCO ALLTHERM WARM ROOF - CASALI - PARAPET / SCUPPER
SCALE: NTS

NOTE
ALLCO WATERPROOFING SUGGESTS
THAT ROOF DRAINAGE BE DESIGNED TO
USE CLAMPED DRAINAGE OUTLETS IN
PREFERENCE TO SCUPPER OUTLETS



1 ALLCO ALLTHERM WARM ROOF - JM TPO - PARAPET / SCUPPER
SCALE: NTS

CASALI CAP SHEET
MEMBRANE

CASALI BASE SHEET
MEMBRANE

ALLCO BITUMEN FILLET
OR TIMBER

ALLCO
COVER BOARD

ADHESIVE

JM VAPOUR
BARRIER

SPECIFIED SUBSTRATE
BY DESIGN

INSULATION PLACED TO
MITIGATE THERMAL
BRIDGING

PIR INSULATION

100mm
MIN LAP

PIR INSULATION

75mm
MIN LAP

CASALI CAP SHEET
MEMBRANE

CASALI BASE SHEET
MEMBRANE

PROPRIETARY SCUPPER
CHECKED INTO SUBSTRATE

LAP CAP SHEET 30MM INTO
SCUPPER MOUTH

CASALI BASE SHEET
MEMBRANE
SCUPPER REBATE

30

NOTE
ALLCO WATERPROOFING SUGGESTS
THAT ROOF DRAINAGE BE DESIGNED TO
USE CLAMPED DRAINAGE OUTLETS IN
PREFERENCE TO SCUPPER OUTLETS

SELECTED SCUPPER

RAINWATER HEAD

1

ALLCO ALLTHERM WARM ROOF - CASALI - PARAPET / SCUPPER

SCALE: NTS



The information and data contained herein are believed to be accurate and reliable.
This information does not constitute a warranty and should be used in conjunction with
the project specification document supplied by Allco Waterproofing Solutions Ltd
Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from
this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186



DRAWN BY:
ALLCO

DATE:
05/24

DRAWING REF:
WR-004B

REV:
3

JM TPO MEMBRANE
WITH JM APPROVED
ADHESIVE

ALLCO
COVER BOARD

PIR INSULATION

ADHESIVE

JM VAPOUR BARRIER

SPECIFIED SUBSTRATE
BY DESIGN

INSULATION PLACED TO
MITIGATE THERMAL
BRIDGING

HOT AIR WELD TO TPO LAP

JM TPO MEMBRANE APRON

REBATE TO SUSTRATE FOR
TPO SCUPPER

HOT AIR WELD TO TPO
SCUPPER

HOT AIR WELD TO TPO
GUTTER SHEET AND SCUPPER

PIR INSULATION

TPO SCUPPER

RAINWATER HEAD

NOTE
ALLCO WATERPROOFING SUGGESTS
THAT ROOF DRAINAGE BE DESIGNED TO
USE CLAMPED DRAINAGE OUTLETS IN
PREFERENCE TO SCUPPER OUTLETS

1

ALLCO ALLTHERM WARM ROOF - JM TPO - PARAPET / SCUPPER

SCALE: NTS

METAL SUBSTRATE



The information and data contained herein are believed to be accurate and reliable.
This information does not constitute a warranty and should be used in conjunction with
the project specification document supplied by Allco Waterproofing Solutions Ltd
Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from
this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186

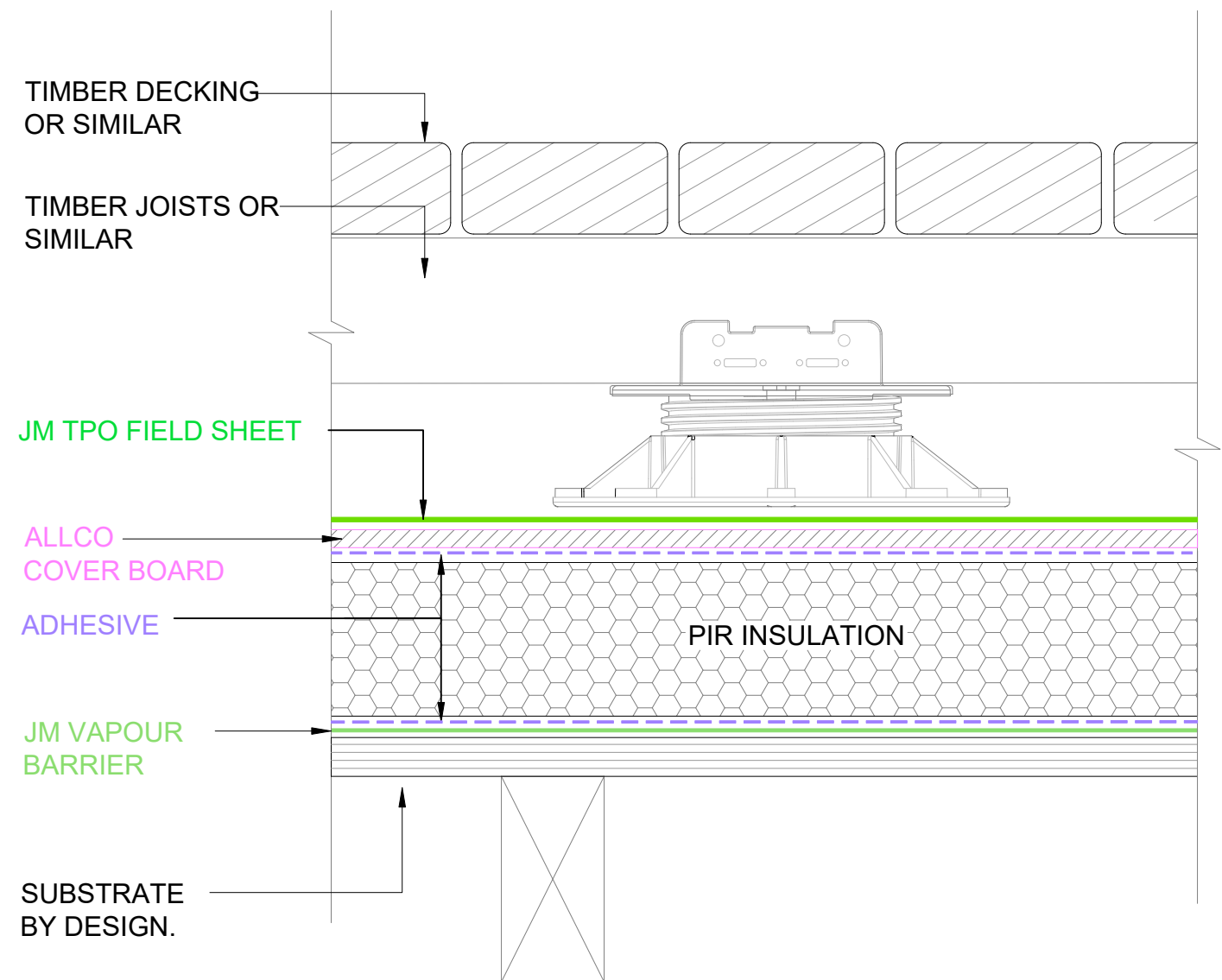
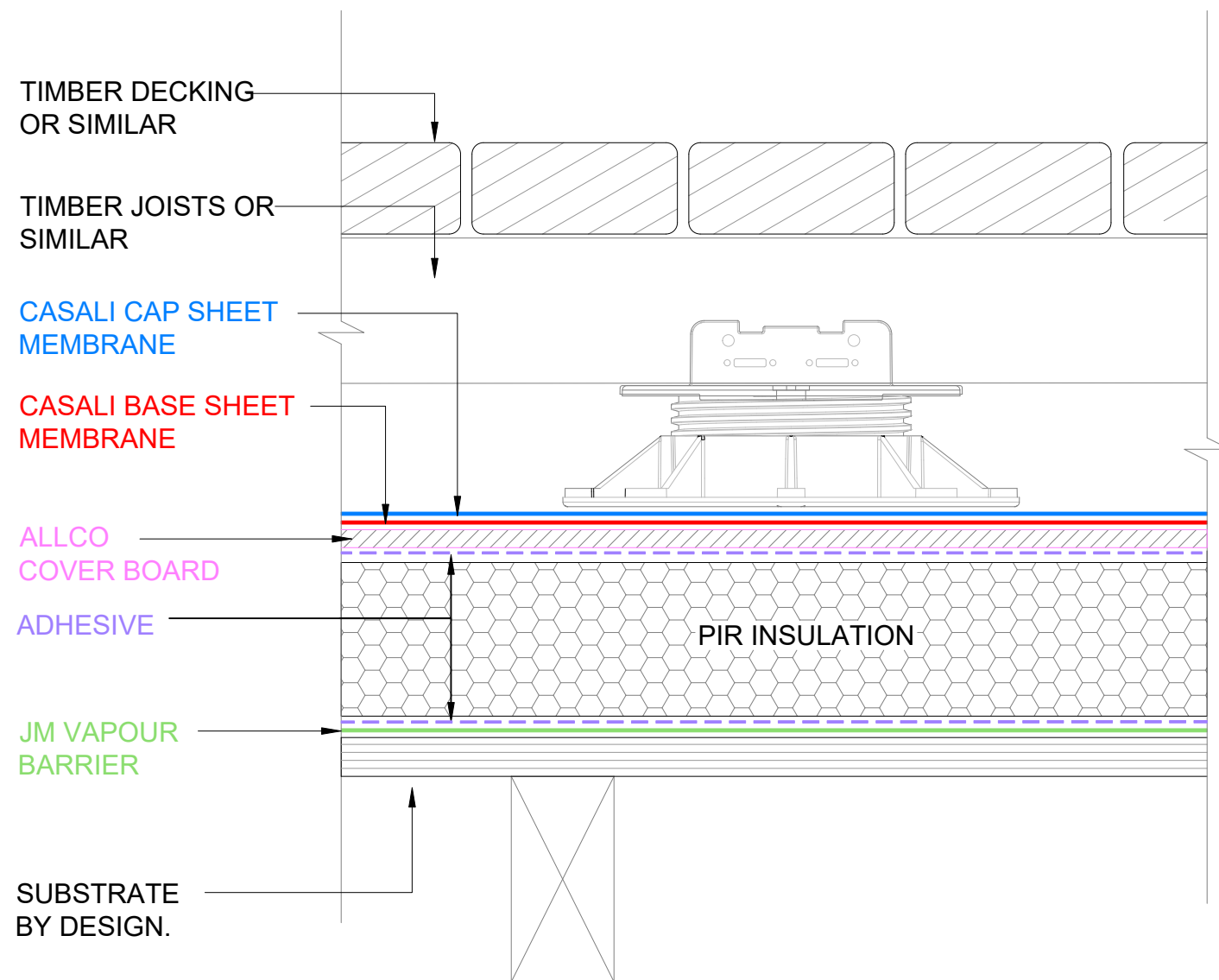


DRAWN BY:
ALLCO

DATE:
06/23

DRAWING REF:
WR-004C

REV:
2



1

ALLCO ALLTHERM WARM ROOF - CASALI - FLOATING DECK

SCALE: NTS

2

ALLCO ALLTHERM WARM ROOF - JM TPO - FLOATING DECK

SCALE: NTS



The information and data contained herein are believed to be accurate and reliable. This information does not constitute a warranty and should be used in conjunction with the project specification document supplied by Allco Waterproofing Solutions Ltd. Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from this information.

© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186

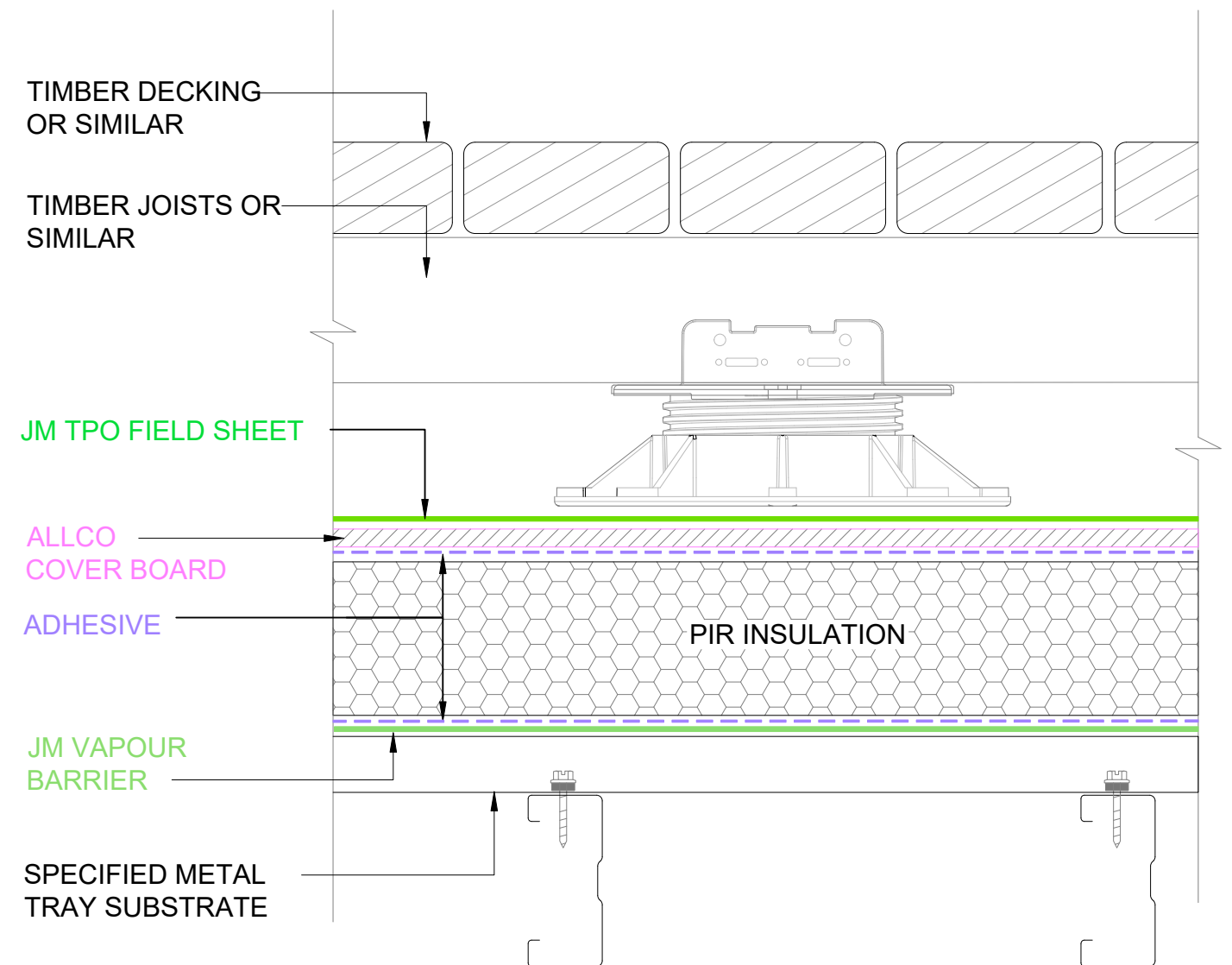
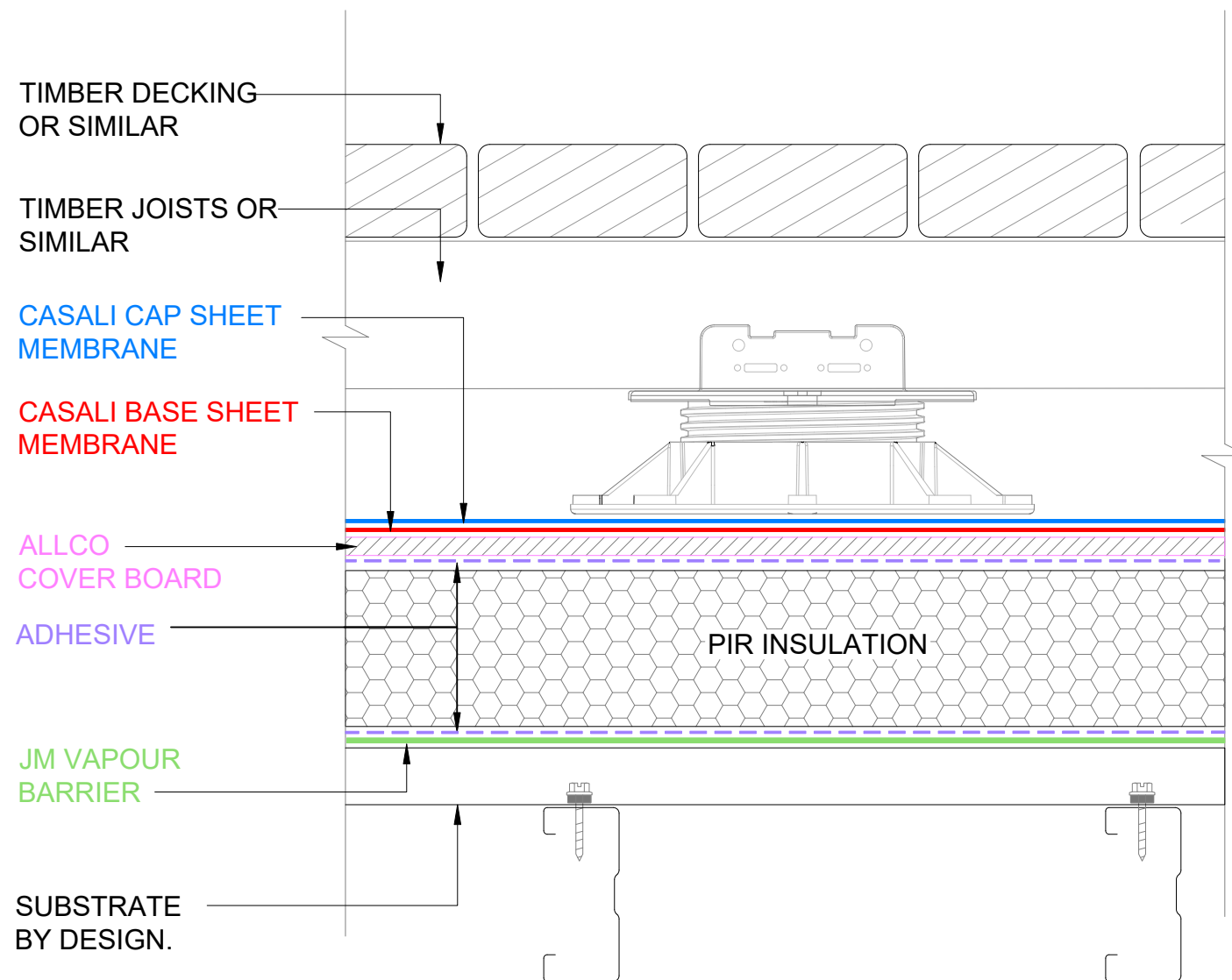


DRAWN BY:
ALLCO

DATE:
06/23

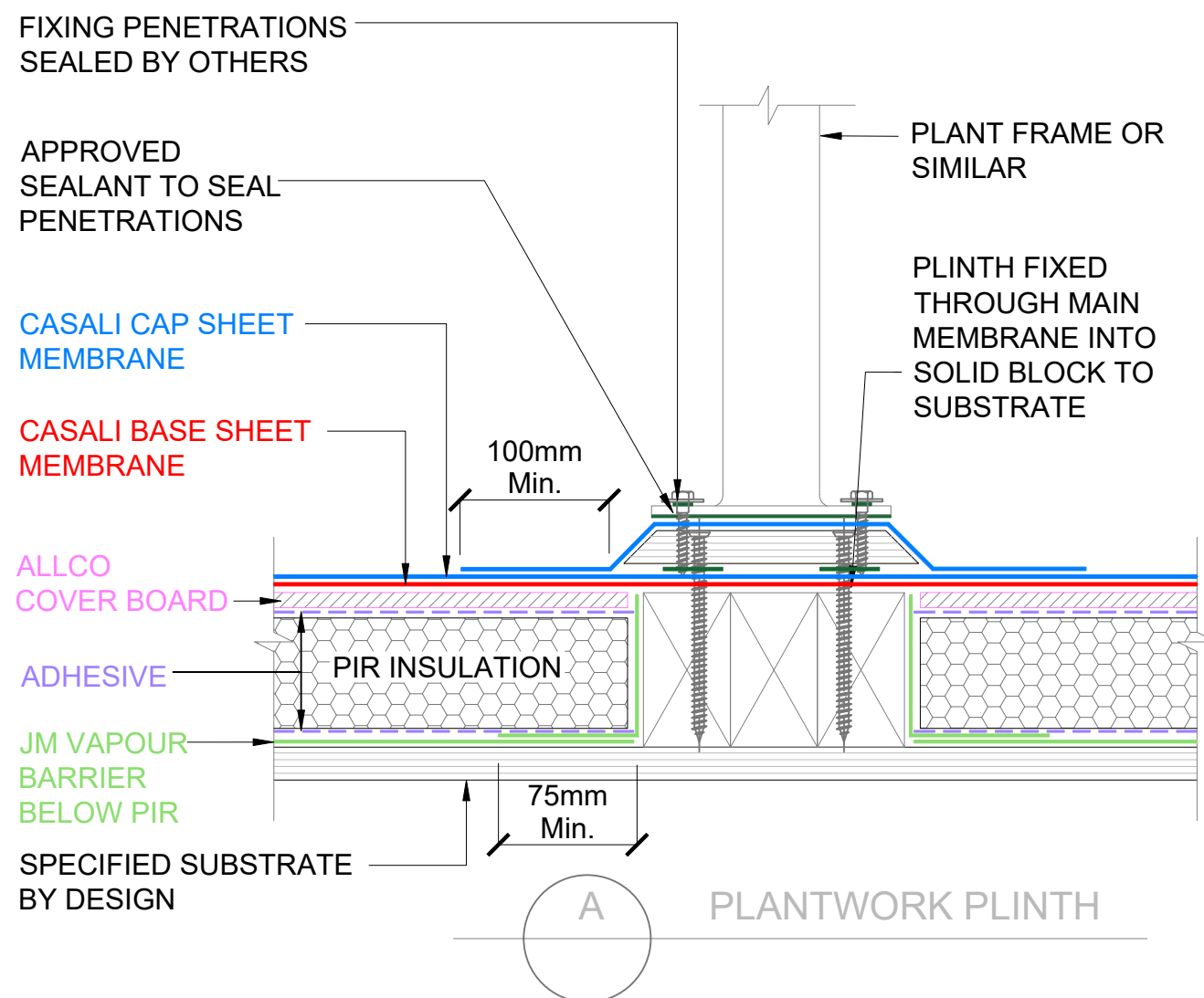
DRAWING REF:
WR-005

REV:
2



1 ALLCO ALLTHERM WARM ROOF - CASALI - FLOATING DECK
SCALE: NTS METAL TRAY SUBSTRATE

2 ALLCO ALLTHERM WARM ROOF - JM TPO - FLOATING DECK
SCALE: NTS METAL TRAY SUBSTRATE



1 ALLCO ALLTHERM WARM ROOF - CASALI - PLANTWORK FIXING PLINTHS

SCALE: NTS

ALLCO BITUMEN FILLET OR TIMBER

FIXING PENETRATIONS SEALED BY OTHERS

APPROVED SEALANT TO SEAL PENETRATIONS

CASALI CAP SHEET MEMBRANE

CASALI BASE SHEET MEMBRANE

ALLCO COVER BOARD

ADHESIVE

JM VAPOUR BARRIER BELOW PIR

SPECIFIED SUBSTRATE BY DESIGN

ALLCO BITUMEN FILLET OR TIMBER

CASALI CAP SHEET MEMBRANE

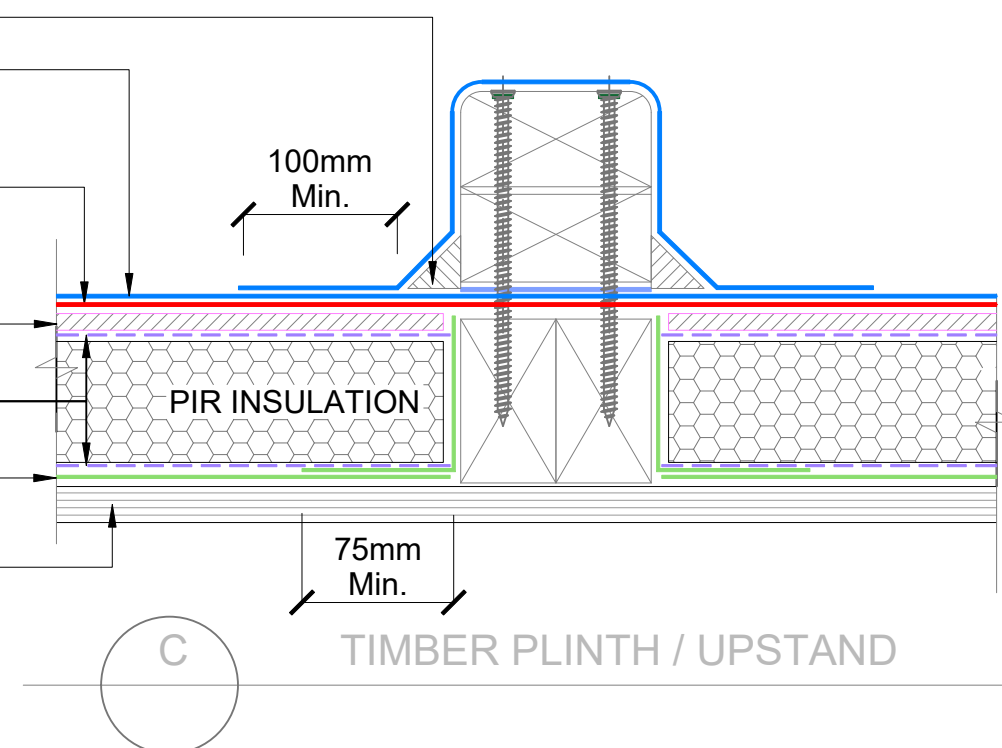
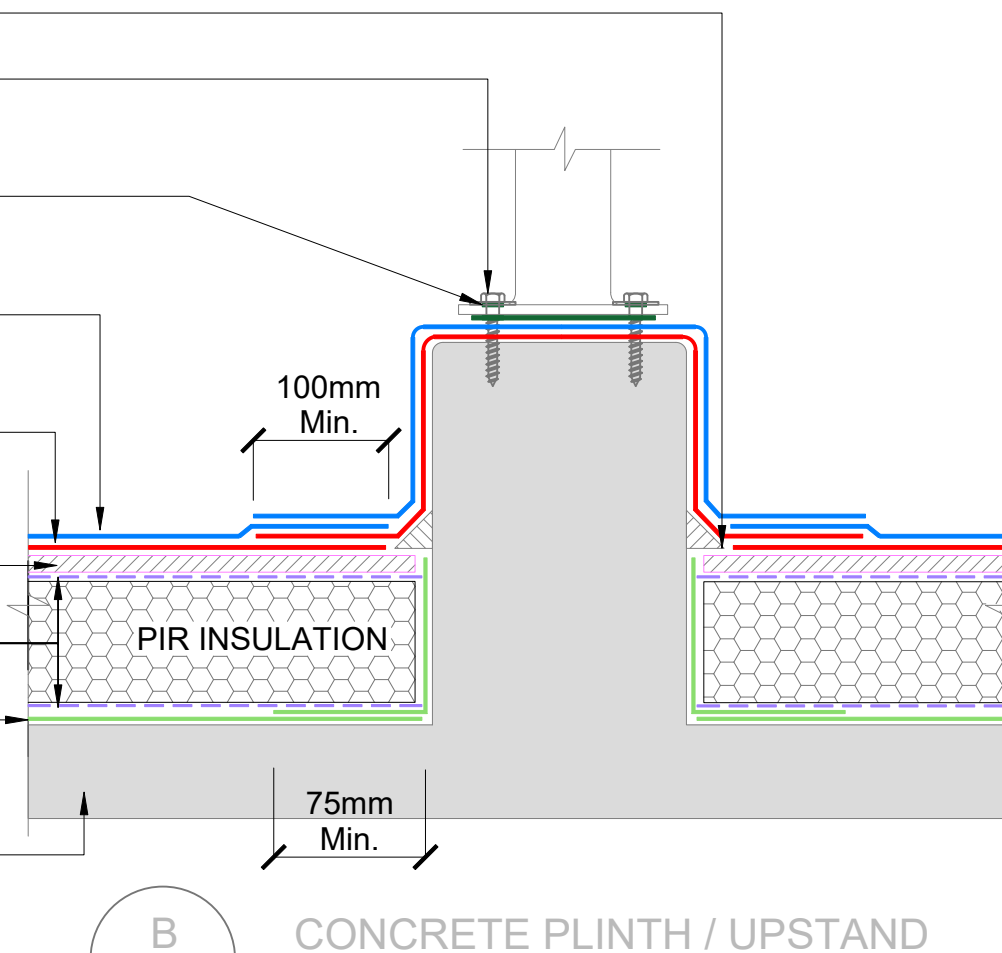
CASALI BASE SHEET MEMBRANE

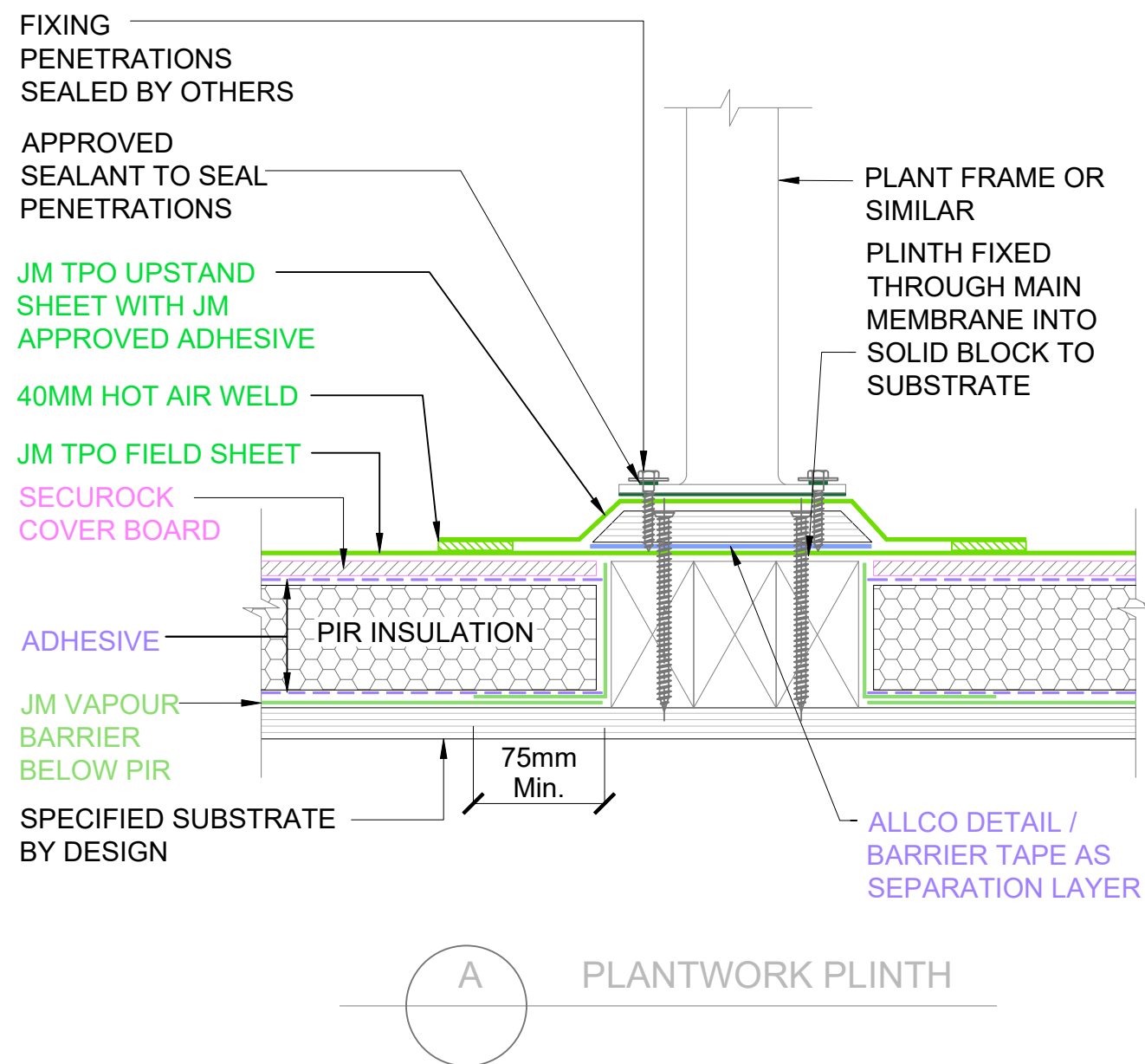
SECUROCK COVER BOARD

ADHESIVE

JM VAPOUR BARRIER BELOW PIR

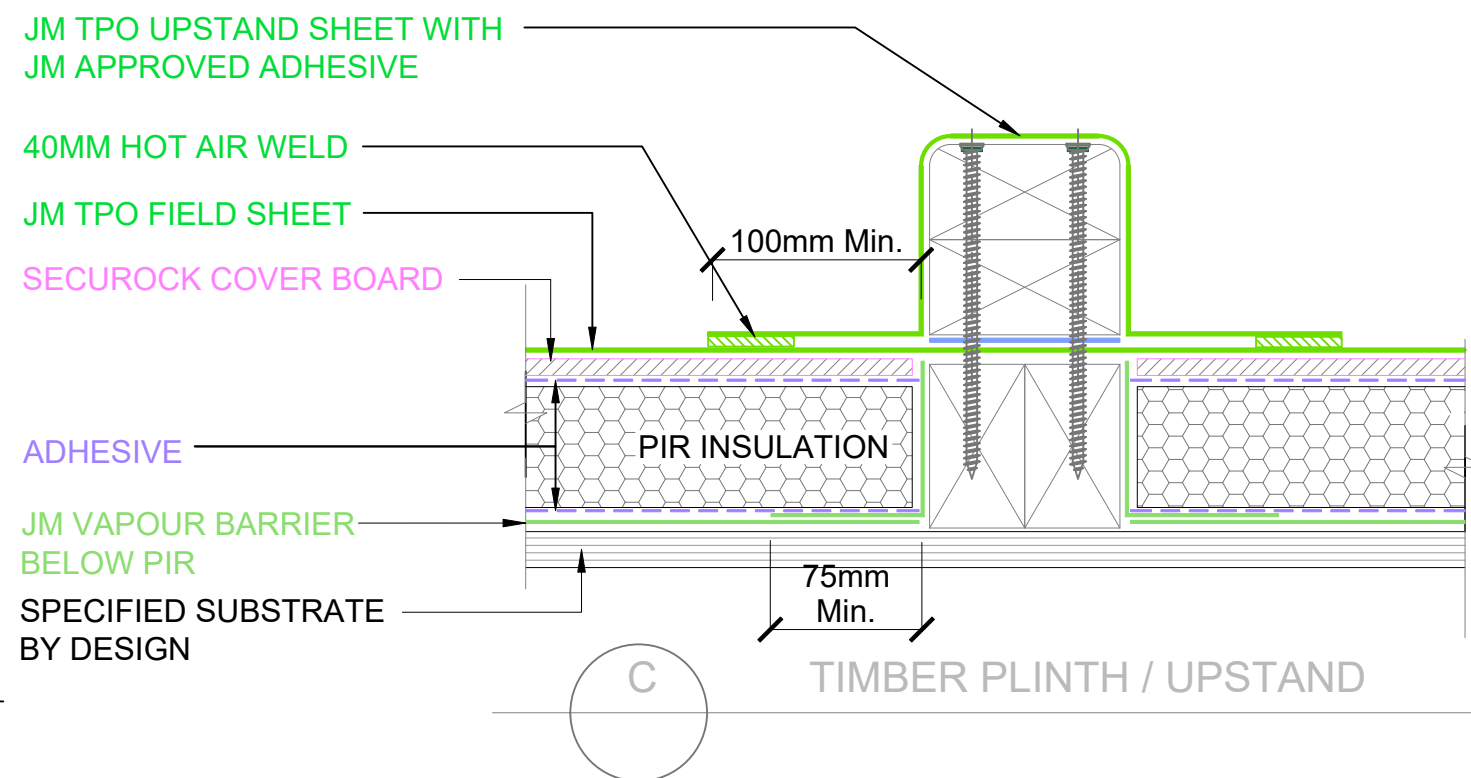
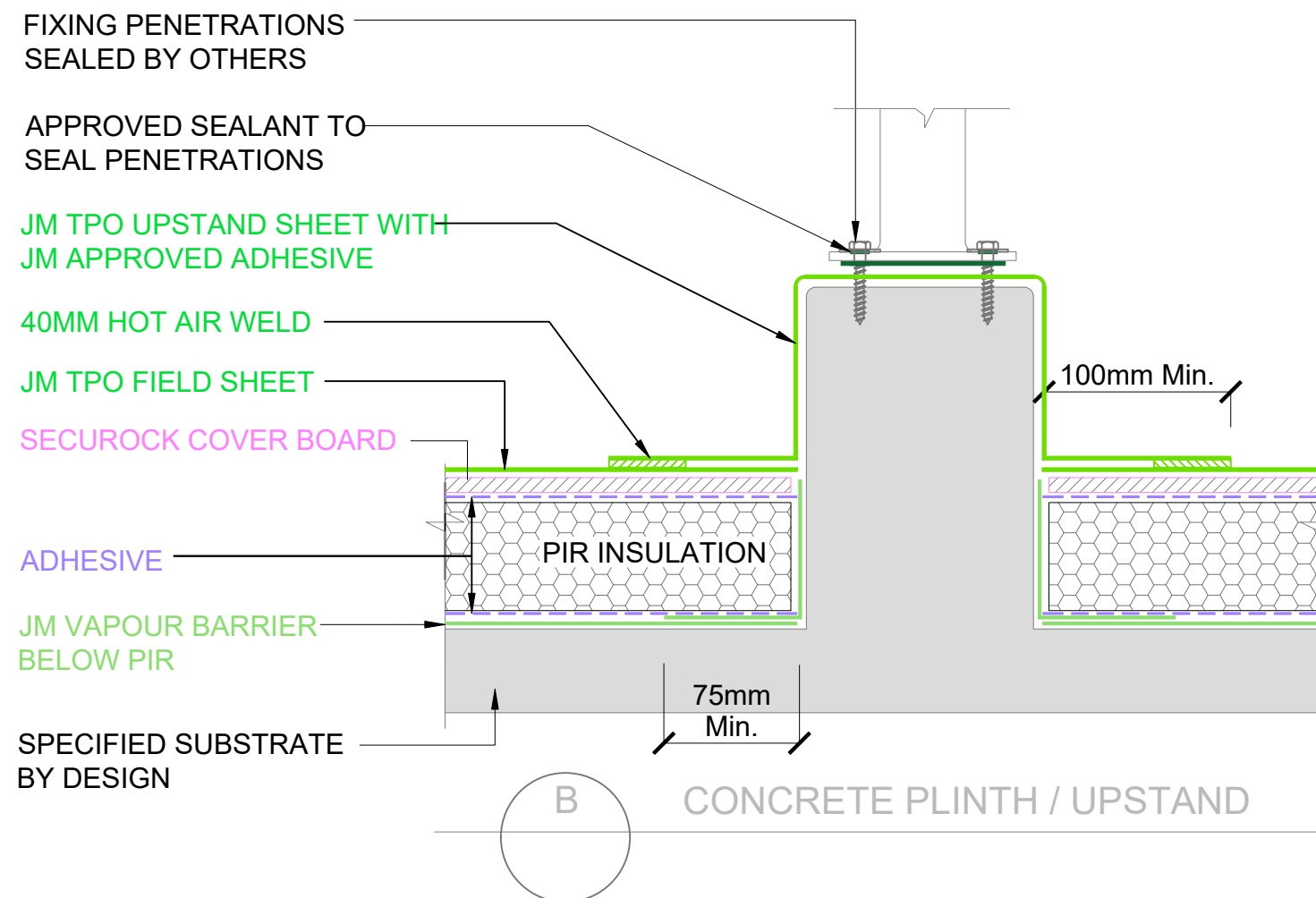
SPECIFIED SUBSTRATE BY DESIGN

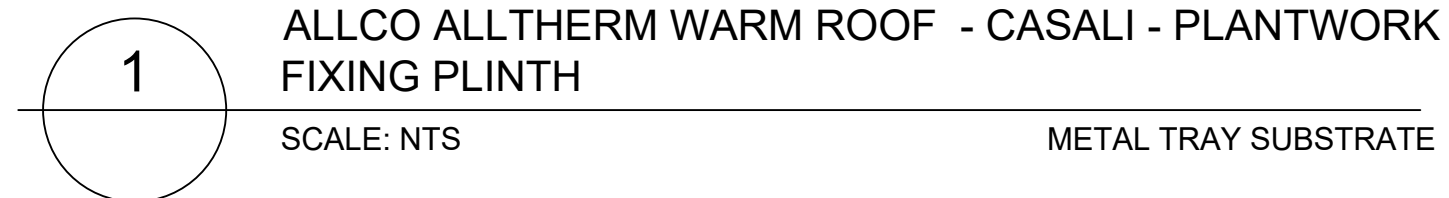
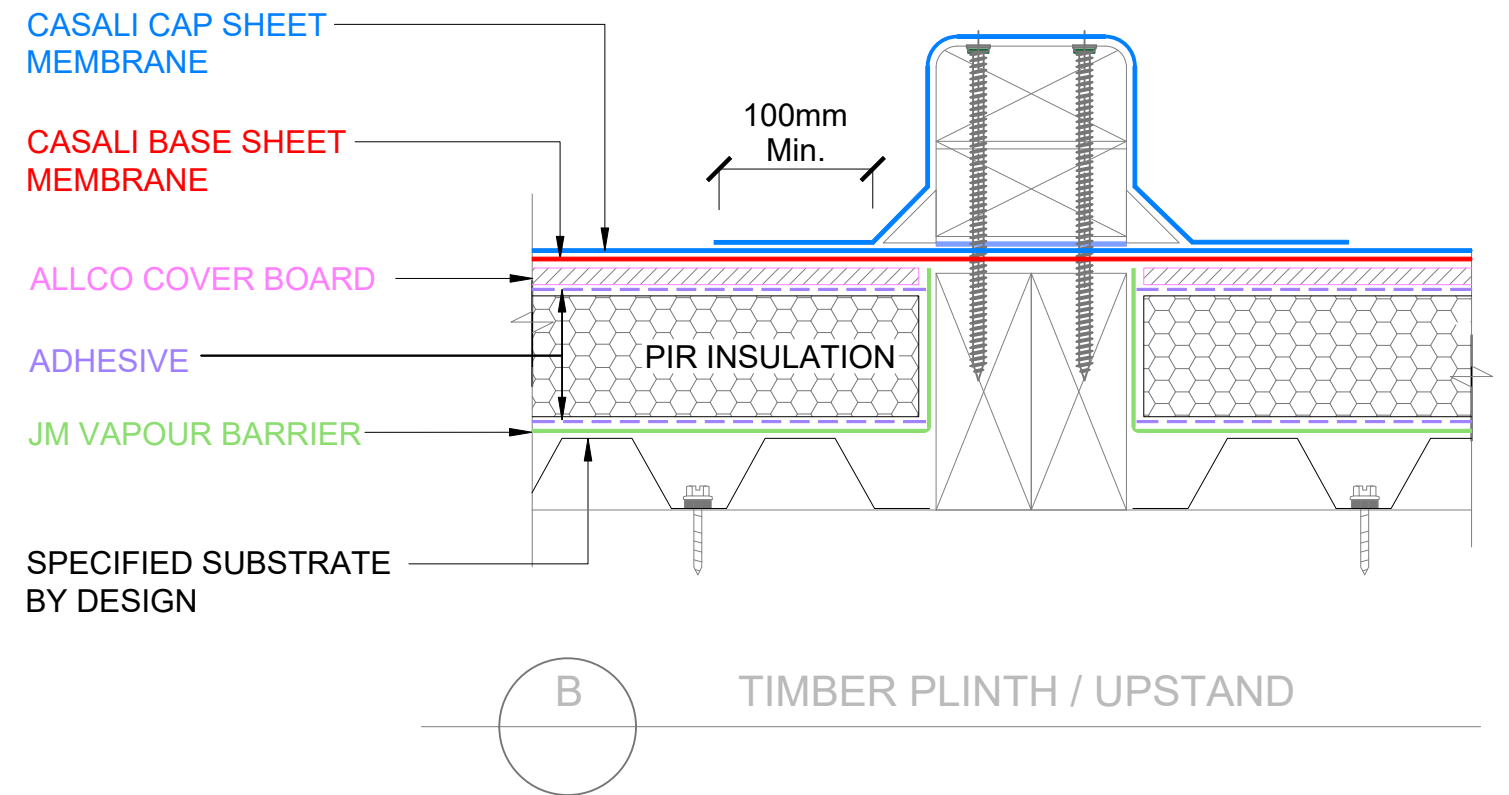
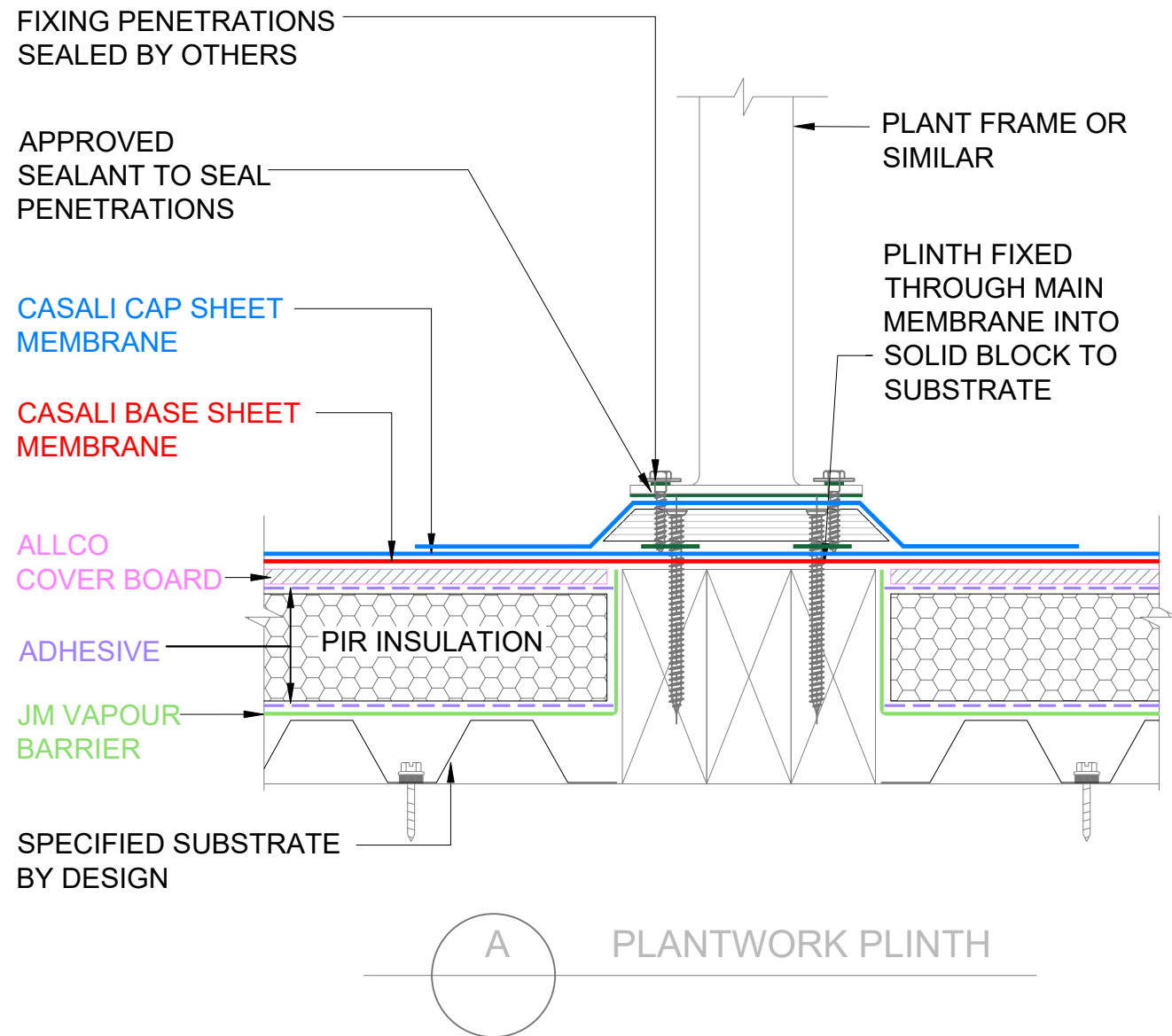


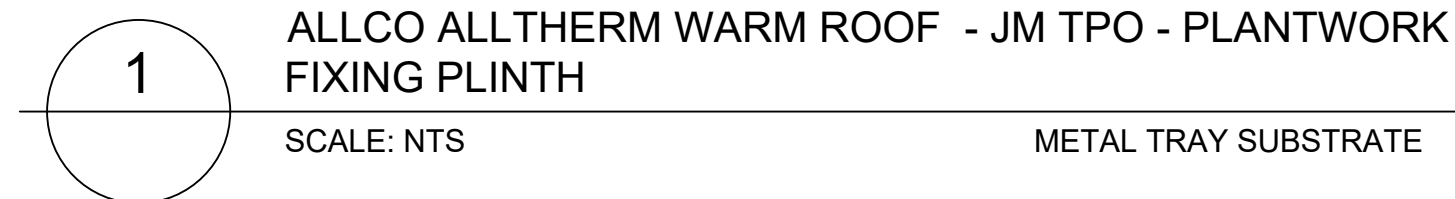
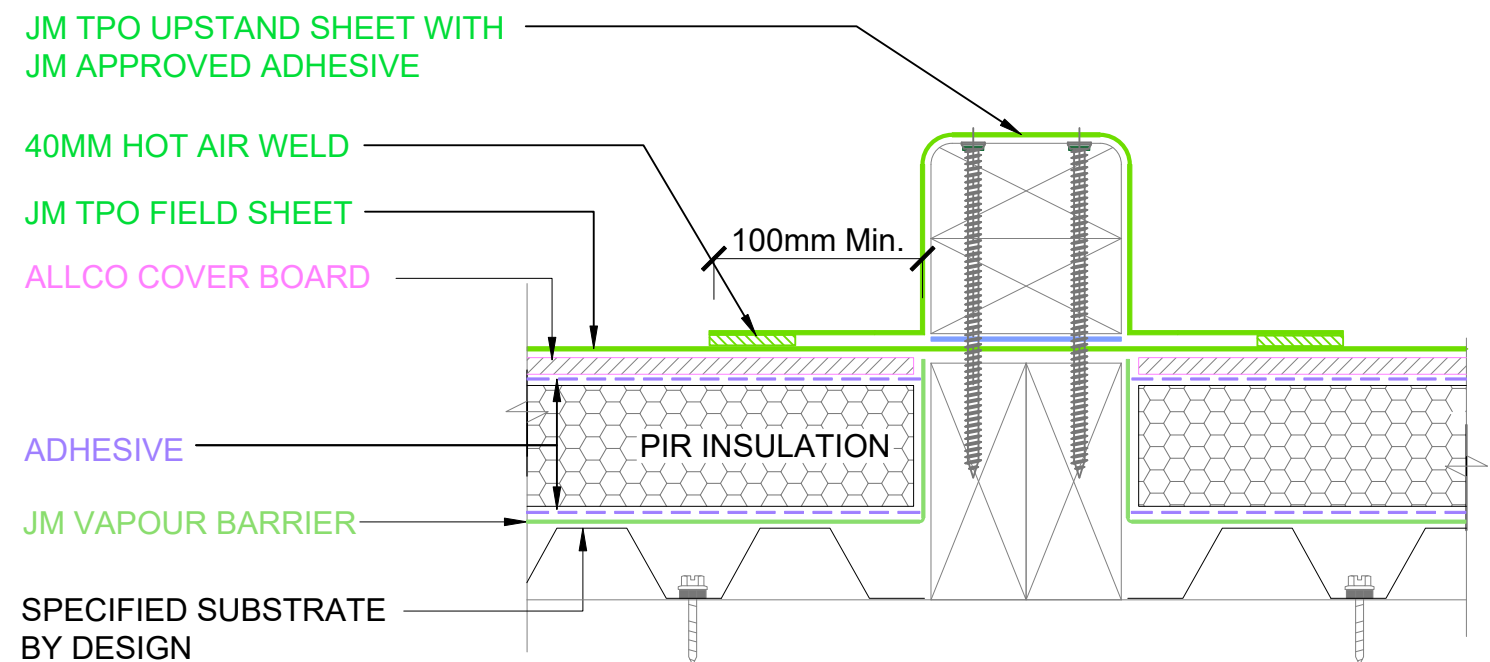
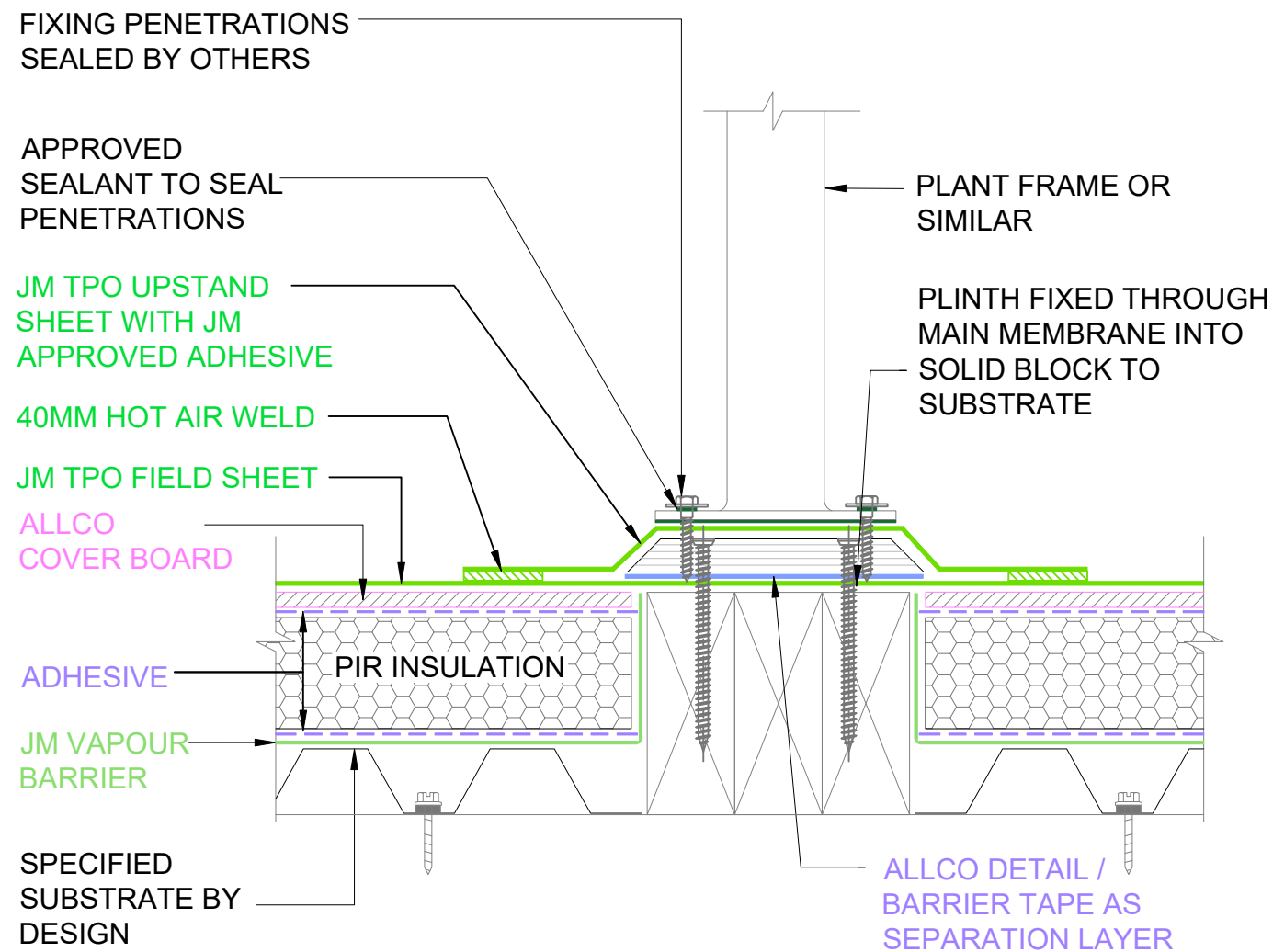


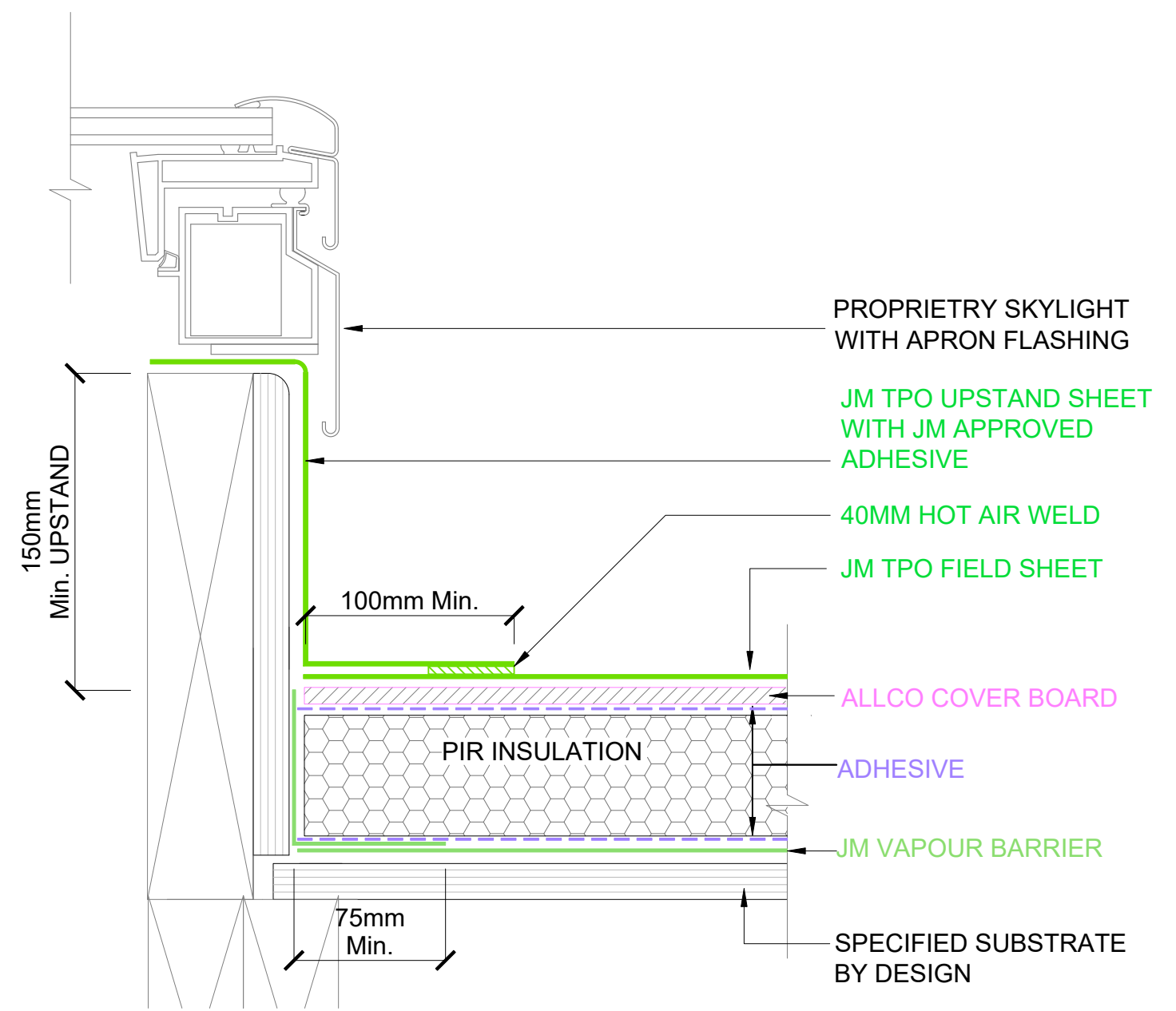
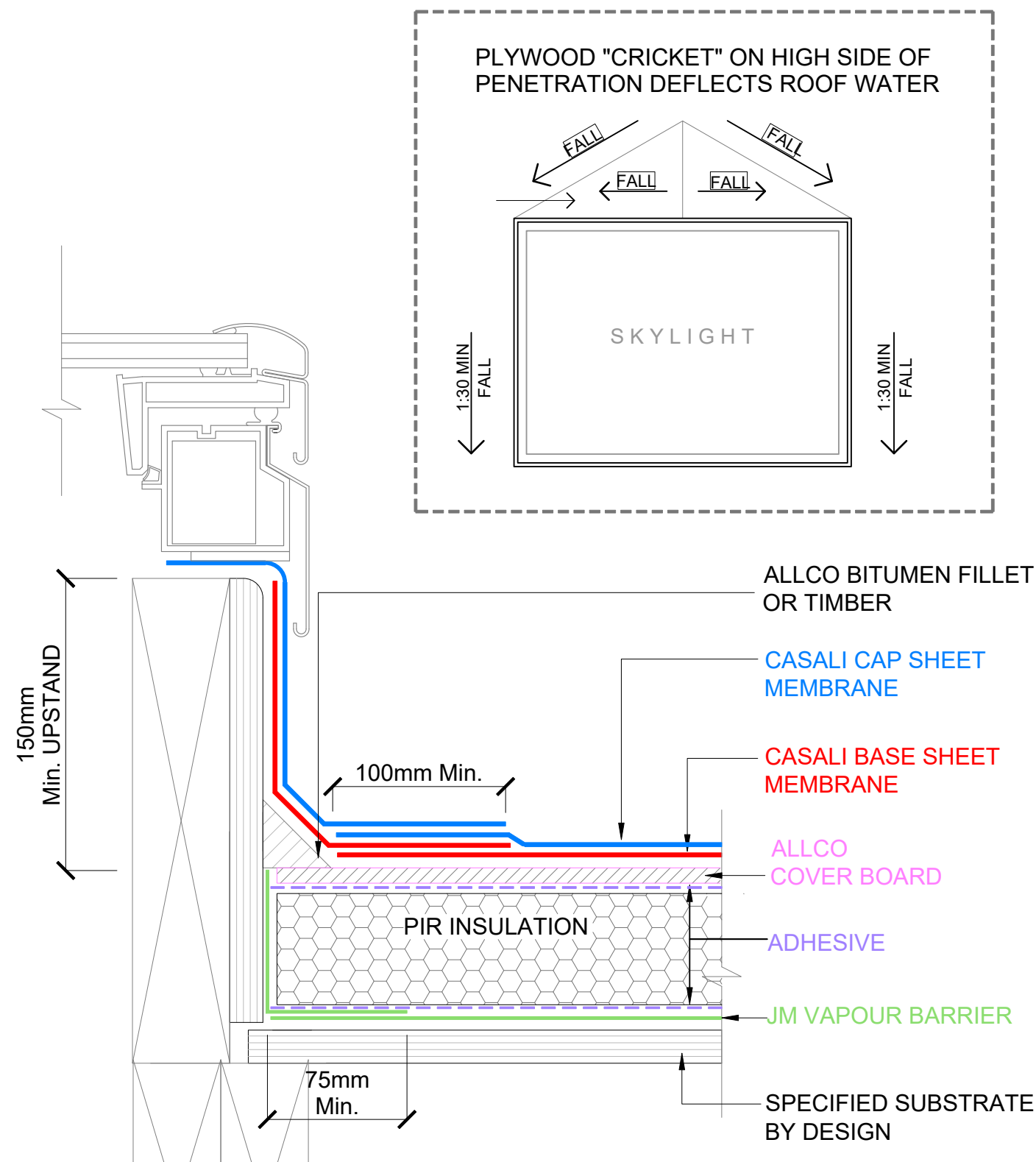
ALLCO ALLTHERM WARM ROOF - JM TPO - PLANTWORK FIXING PLINTH

SCALE: NTS









1

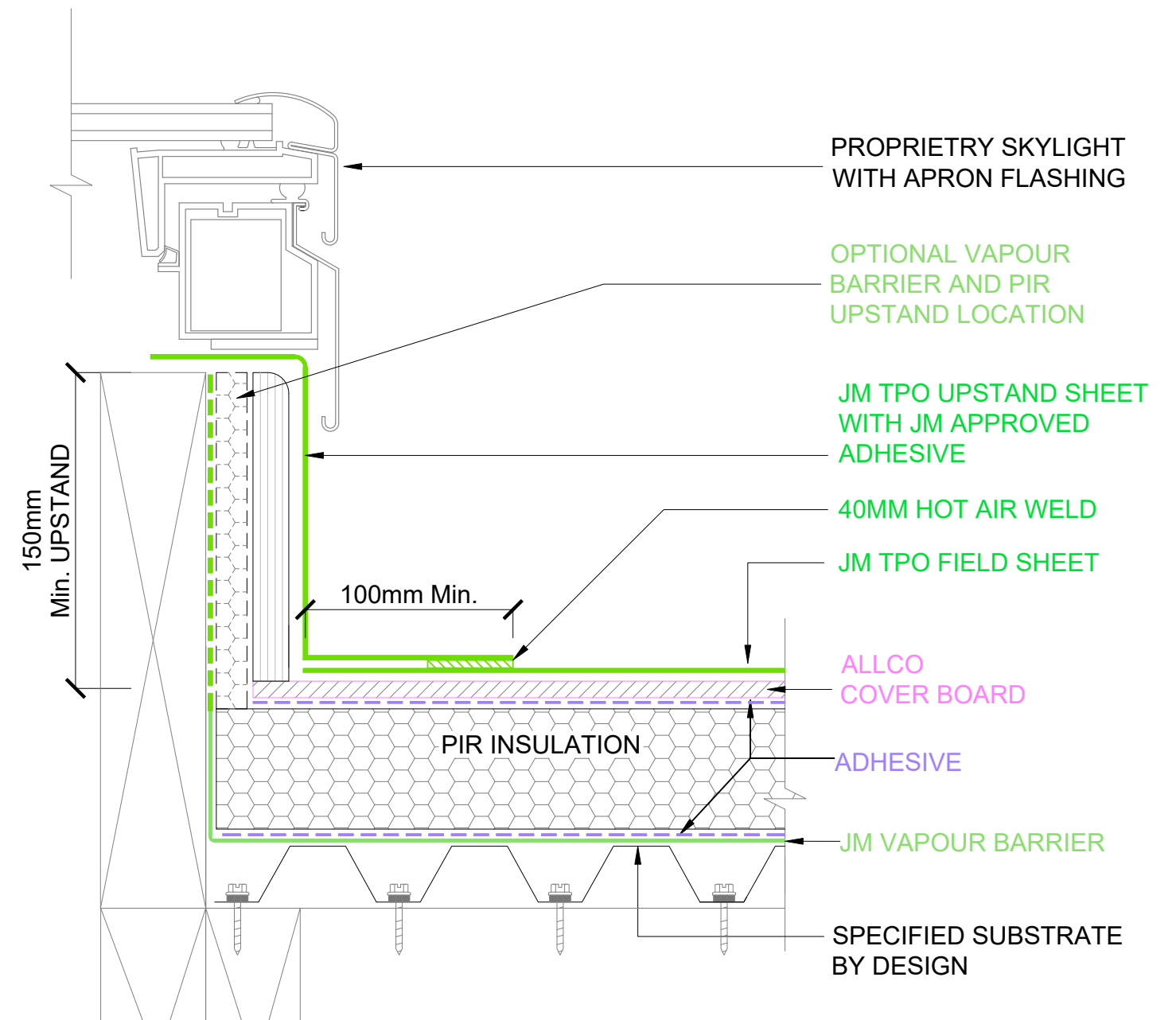
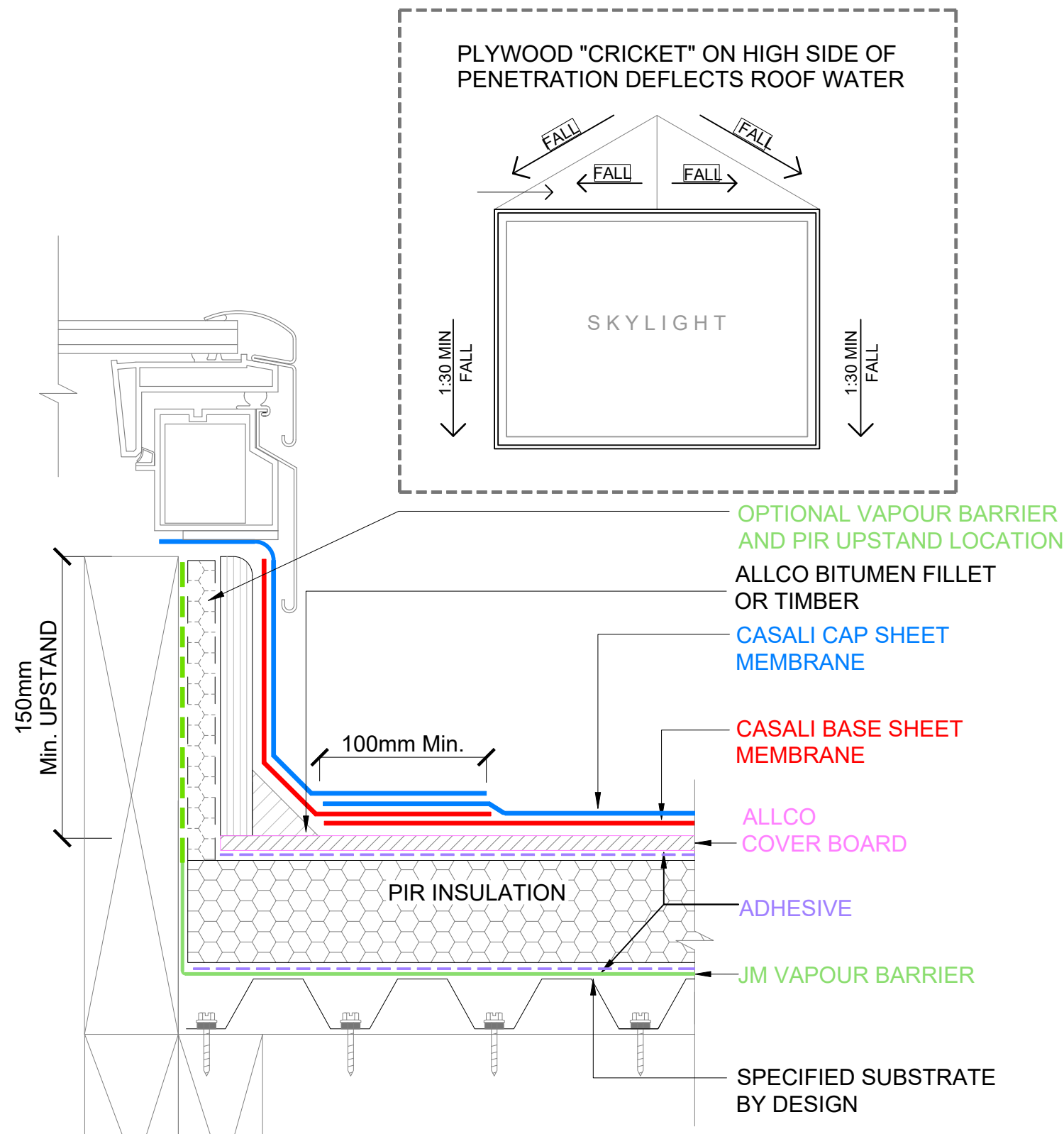
ALLCO ALLTHERM WARM ROOF - CASALI - SKYLIGHT PLINTH

SCALE: NTS

2

ALLCO ALLTHERM WARM ROOF - JM TPO - SKYLIGHT PLINTH

SCALE: NTS



1

ALLCO ALLTHERM WARM ROOF - CASALI - SKYLIGHT PLINTH

SCALE: NTS

METAL TRAY SUBSTRATE

2

ALLCO ALLTHERM WARM ROOF - JM TPO - SKYLIGHT PLINTH

SCALE: NTS

METAL TRAY SUBSTRATE



The information and data contained herein are believed to be accurate and reliable. This information does not constitute a warranty and should be used in conjunction with the project specification document supplied by Allco Waterproofing Solutions Ltd. Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186

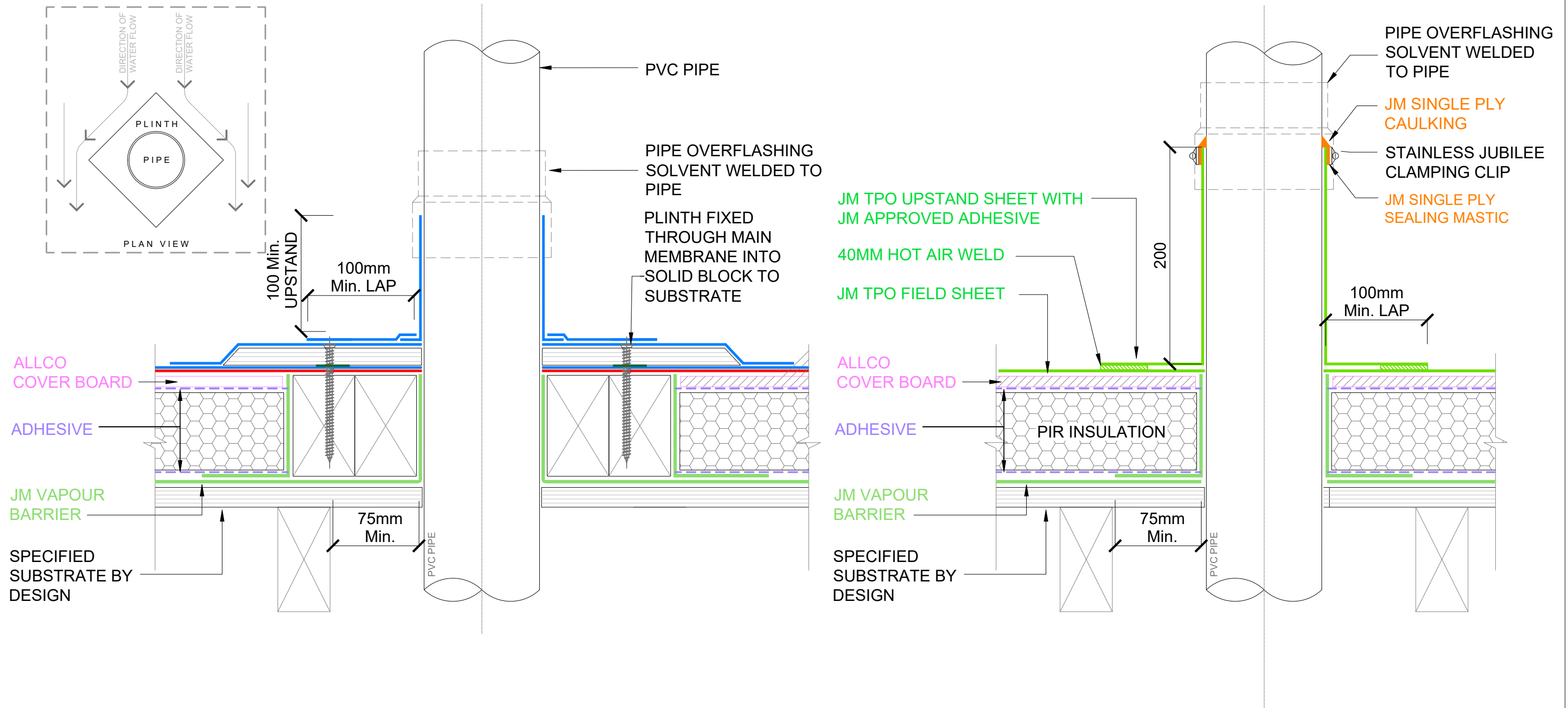


DRAWN BY:
ALLCO

DATE:
05/24

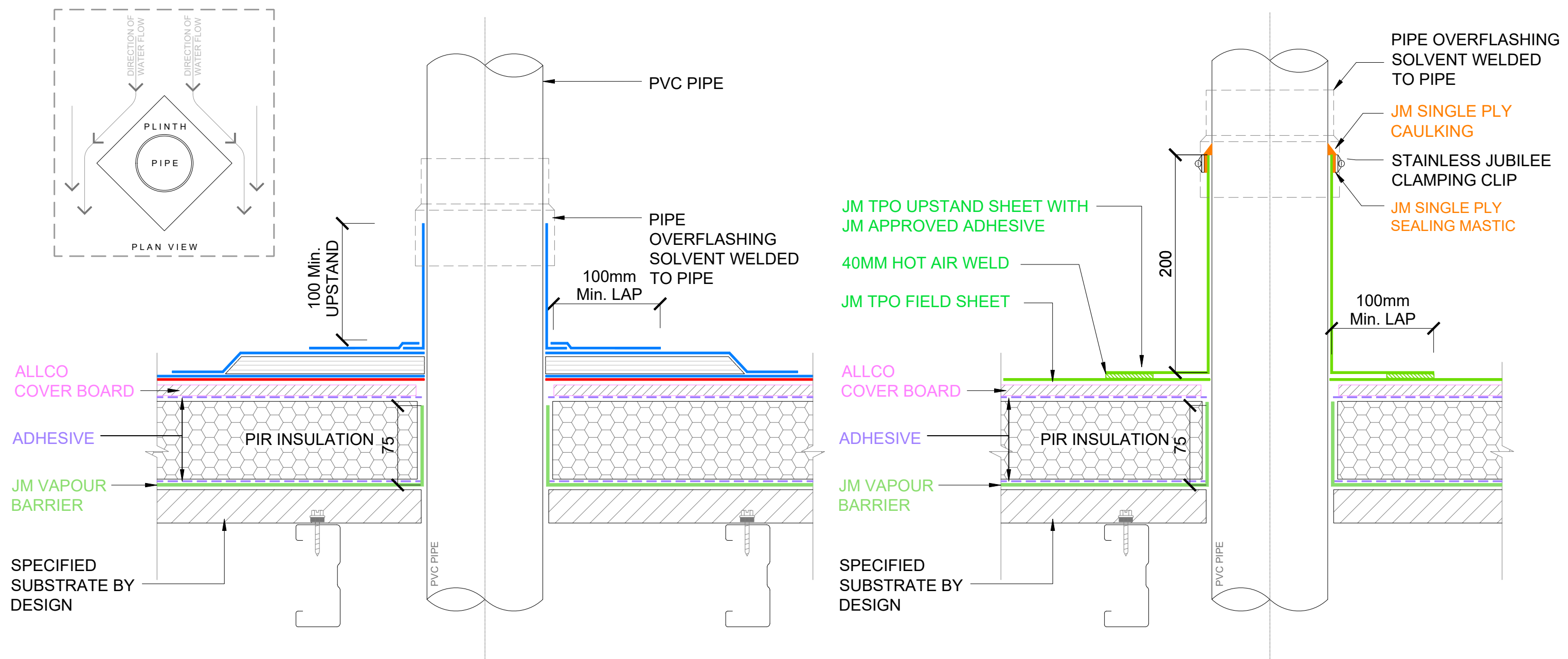
DRAWING REF:
WR-007A

REV:
3



1 ALLCO ALLTHERM WARM ROOF - CASALI - PIPE PENETRATION SCALE: NTS

2 ALLCO ALLTHERM WARM ROOF - JM TPO - PIPE PENETRATION SCALE: NTS



<p>1 ALLCO ALLTHERM WARM ROOF - CASALI - PIPE PENETRATION</p> <p>SCALE: NTS METAL TRAY SUBSTRATE</p>	<p>2 ALLCO ALLTHERM WARM ROOF - JM TPO - PIPE PENETRATION</p> <p>SCALE: NTS METAL TRAY SUBSTRATE</p>
--	--



The information and data contained herein are believed to be accurate and reliable. This information does not constitute a warranty and should be used in conjunction with the project specification document supplied by Allco Waterproofing Solutions Ltd. Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from this information.

© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
 Web: www.allco.co.nz
 Email: info@allco.co.nz
 Telephone: 09 448 1185
 Facsimile: 09 448 1186



DRAWN BY: ALLCO	DATE: 06/23
DRAWING REF: WR-008A	REV: 3

CASALI CAP
SHEET MEMBRANE

CASALI BASE
SHEET MEMBRANE

SOLID TIMBER PLATE
TO ROOF EDGE

RAINWATER SYSTEM
BY OTHERS

ALUM OR S/S FIXING BAR
TO SECURE MEMBRANE TO
METAL DRIP-EDGE.
FIXINGS @ 300 CTRS MAX

2MM ALUM OR
S/S ANGLE 50X50MM MIN.

75 lap

ALLCO
COVER BOARD

ADHESIVE

JM VAPOUR
BARRIER

SPECIFIED
SUBSTRATE
BY DESIGN

PIR INSULATION

JM TPO FIELD SHEET

SOLID TIMBER PLATE
TO ROOF EDGE

JM TPO MEMBRANE
WELDED TO TPO
COATED DRIP EDGE

RAINWATER SYSTEM
BY OTHERS

40MM HOT AIR WELD

TPO COATED GALV
STEEL ANGLE

75 lap

ALLCO
COVER BOARD

ADHESIVE

JM VAPOUR
BARRIER

SPECIFIED
SUBSTRATE
BY DESIGN

PIR INSULATION

1

ALLCO ALLTHERM WARM ROOF - CASALI - DRIP EDGE

SCALE: NTS

2

ALLCO ALLTHERM WARM ROOF - JM TPO - DRIP EDGE

SCALE: NTS



The information and data contained herein are believed to be accurate and reliable.
This information does not constitute a warranty and should be used in conjunction with
the project specification document supplied by Allco Waterproofing Solutions Ltd
Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from
this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186

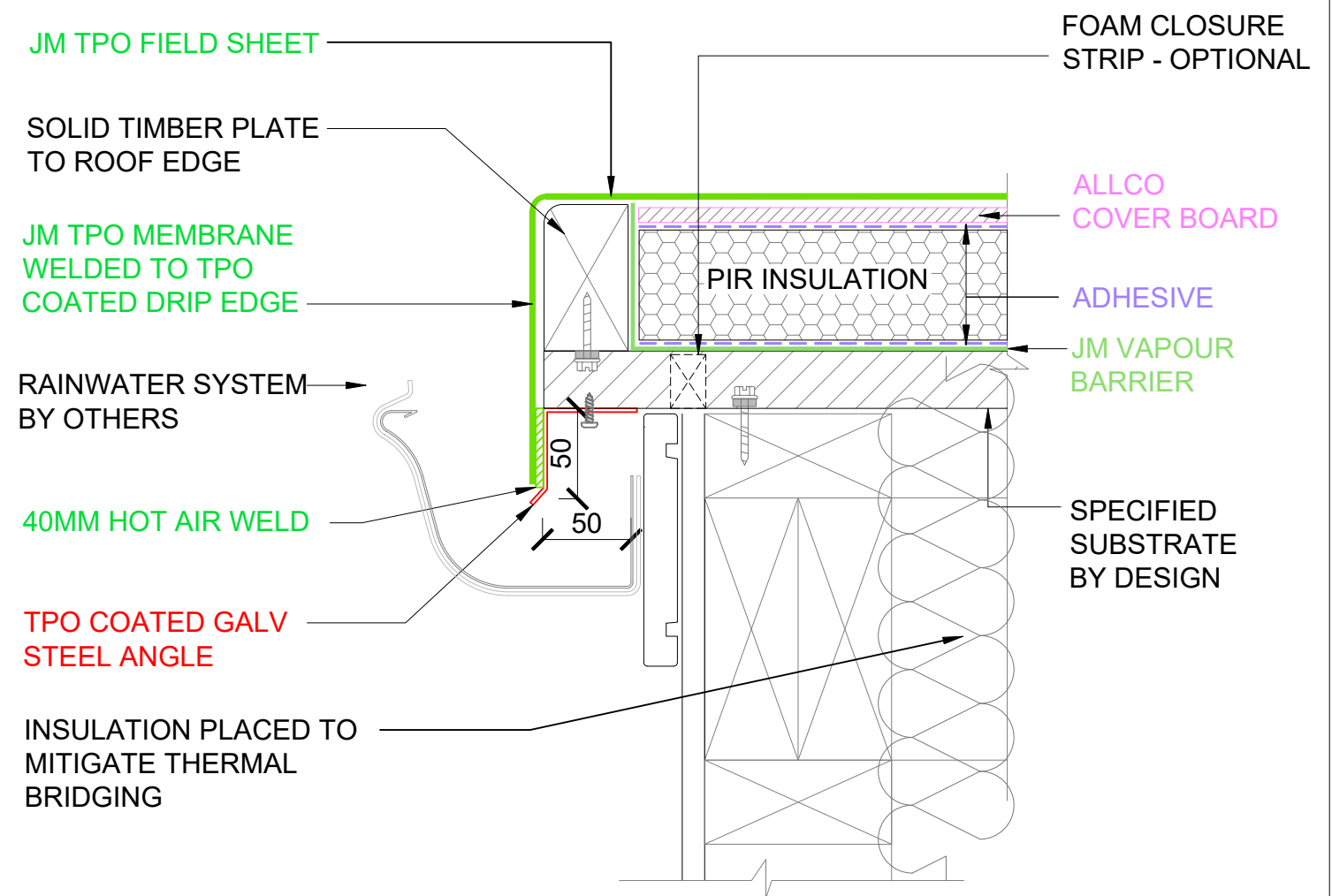
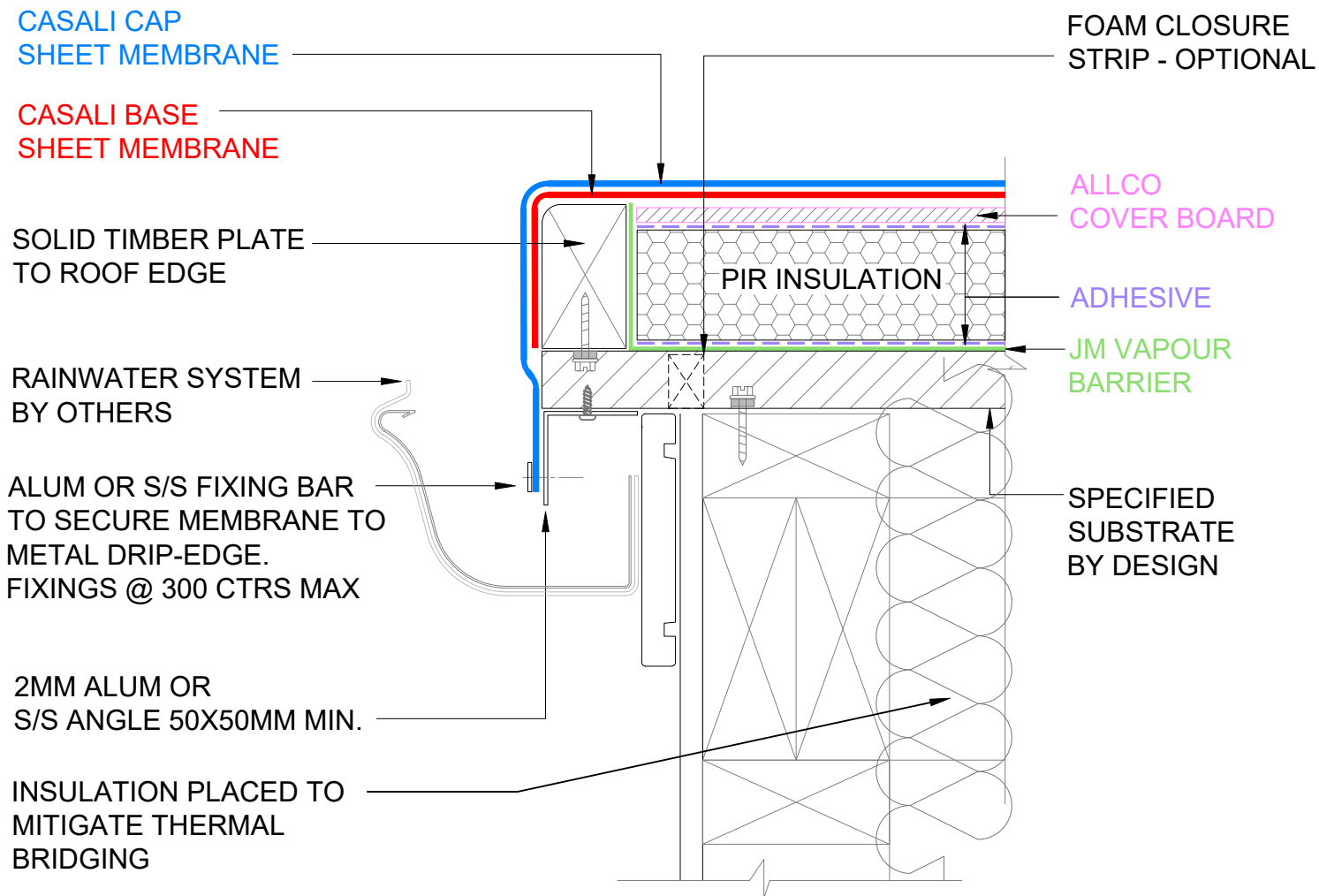


DRAWN BY:
ALLCO

DATE:
06/23

DRAWING REF:
WR-009

REV:
2



1

ALLCO ALLTHERM WARM ROOF - CASALI - DRIP EDGE

SCALE: NTS

METAL TRAY SUBSTRATE

2

ALLCO ALLTHERM WARM ROOF - JM TPO - DRIP EDGE

SCALE: NTS

METAL TRAY SUBSTRATE



The information and data contained herein are believed to be accurate and reliable. This information does not constitute a warranty and should be used in conjunction with the project specification document supplied by Allco Waterproofing Solutions Ltd. Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186



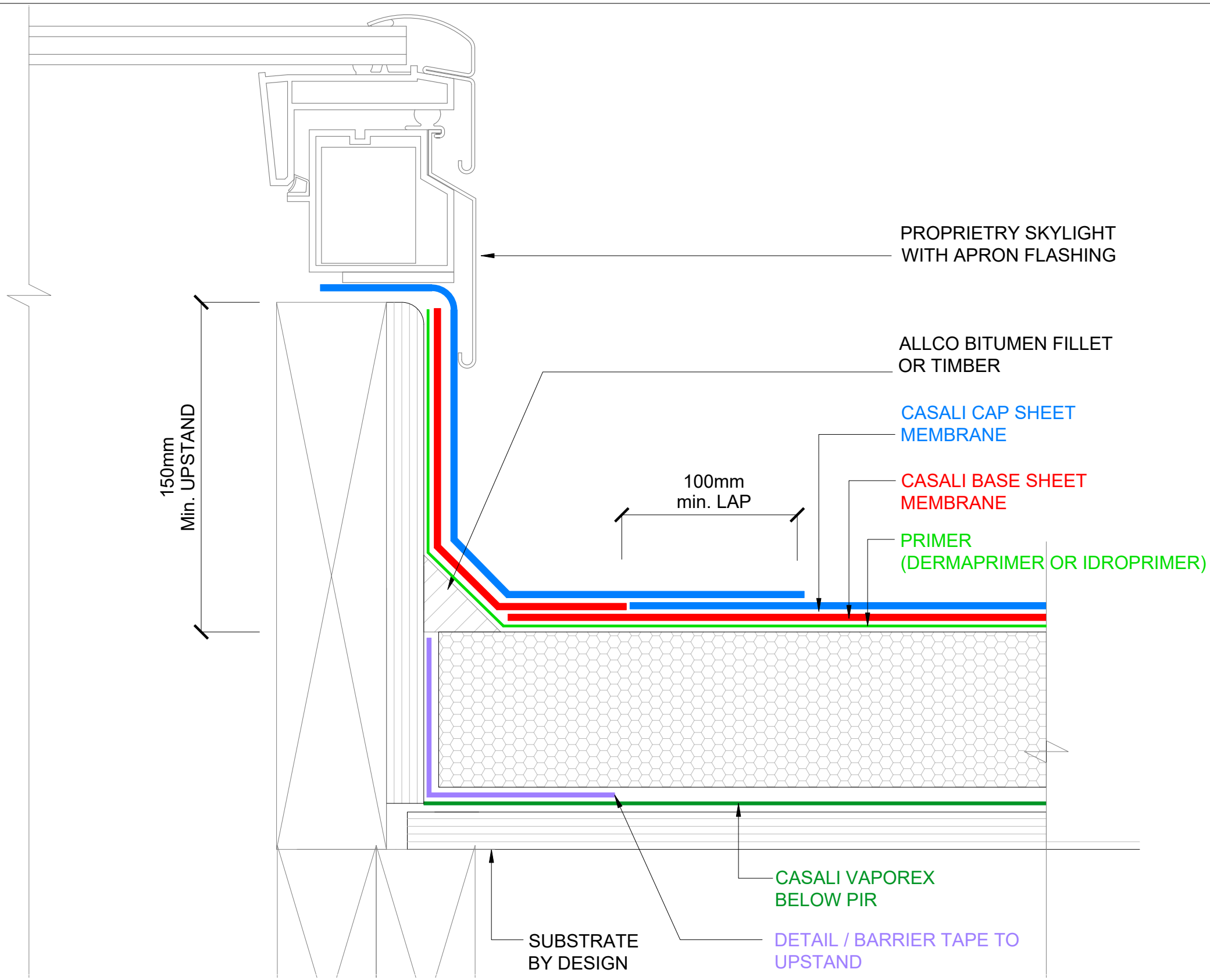
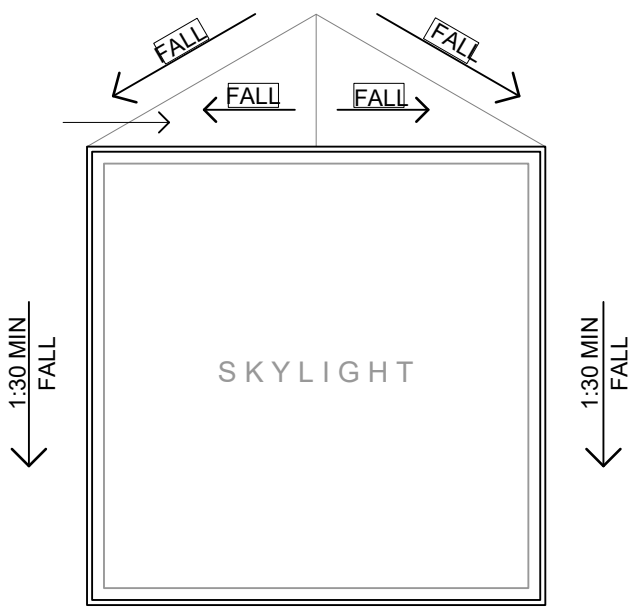
DRAWN BY:
ALLCO

DATE:
06/23

DRAWING REF:
WR-009A

REV:
2

PLYWOOD "CRICKET" ON HIGH SIDE OF PENETRATION DEFLECTS ROOF WATER



1 ALLCO ALLTHERM WARM ROOF - SKYLIGHT PENETRATION / UPSTAND
SCALE: NTS



The information and data contained herein are believed to be accurate and reliable. This information does not constitute a warranty and should be used in conjunction with the project specification document supplied by Allco Waterproofing Solutions Ltd. Please contact Allco Waterproofing Solutions Ltd with any questions or deviations from this information.
© Allco Waterproofing Solution Ltd

For Technical Advice Contact:
Web: www.allco.co.nz
Email: info@allco.co.nz
Telephone: 09 448 1185
Facsimile: 09 448 1186



DRAWN BY: ALLCO	DATE: 05/24
DRAWING REF: WR-010	REV: 3