



IKO PERMATEC LI
STANDARD DETAILS PACK
BLUE ROOFS

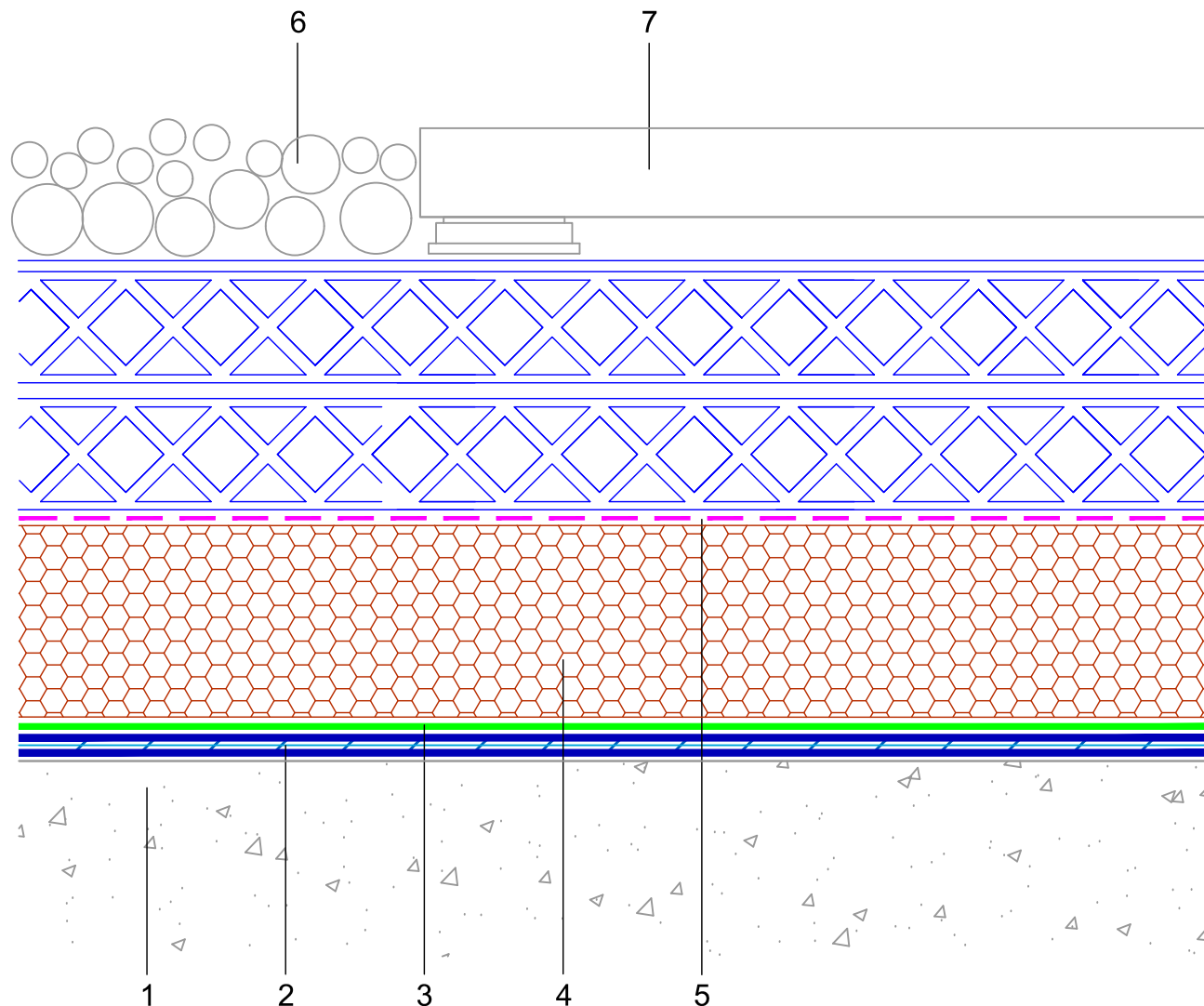
IKOGROUP.CO.UK

TECHNICAL DRAWINGS

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Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M²).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.



Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:

TYPICAL BLUE INVERTED DECK

Date:

September 2024

Scale:

NTS

Drawn by:
ME

Revision:

Sheet No:

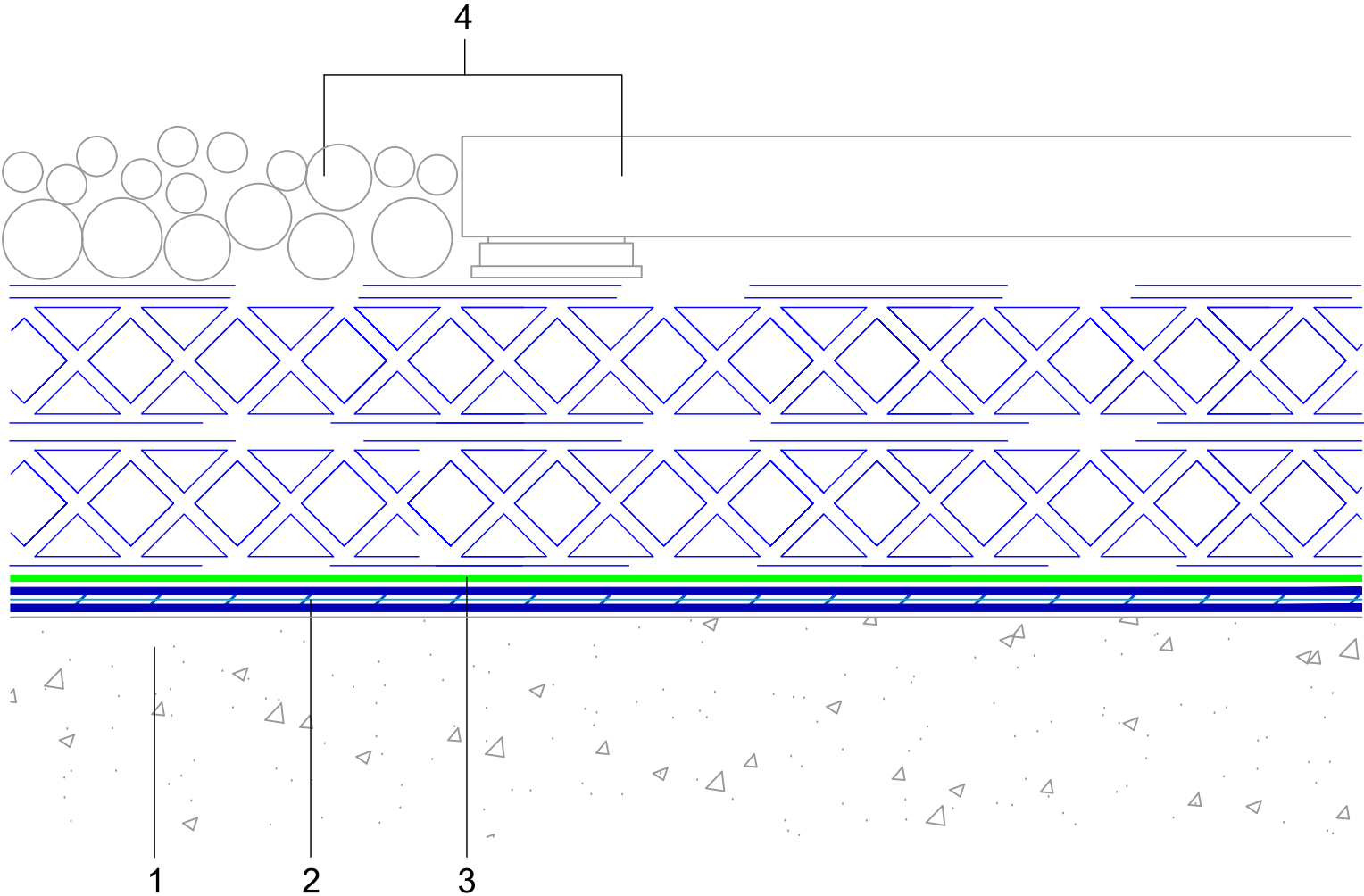
PT.1ABLU

SECTION KEY:

- | | |
|--|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) |
| 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 6. BLUE ROOF VOID ATTENUATION LAYER |
| 3. PERMAGUARD-F PROTECTION LAYER | 7. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD. | 8. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |

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SECTION KEY:

- 1. CONCRETE DECK PRIMED WITH PERMAREC PRIMER
- 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT
- 3. PERMAGUARD-F PROTECTION LAYER
- 4. MINIMUM 40MM THICK CONCRETE SLABS ON PROPRIETARY SPACERS OR MINIMUM 50MM DEPTH 20MM - 40MM ROUNDED BALLAST



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STANDARD DETAIL

Drawing Title:
BLUE ROOF
TYPICAL UN-INSULATED PODIUM/
BALLASTED DECK

Date: October 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.1BBLU	

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M²).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

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STANDARD DETAIL

Drawing Title:
TYPICAL BLUE INVERTED
ROOF ASSEMBLY METAL
DECK

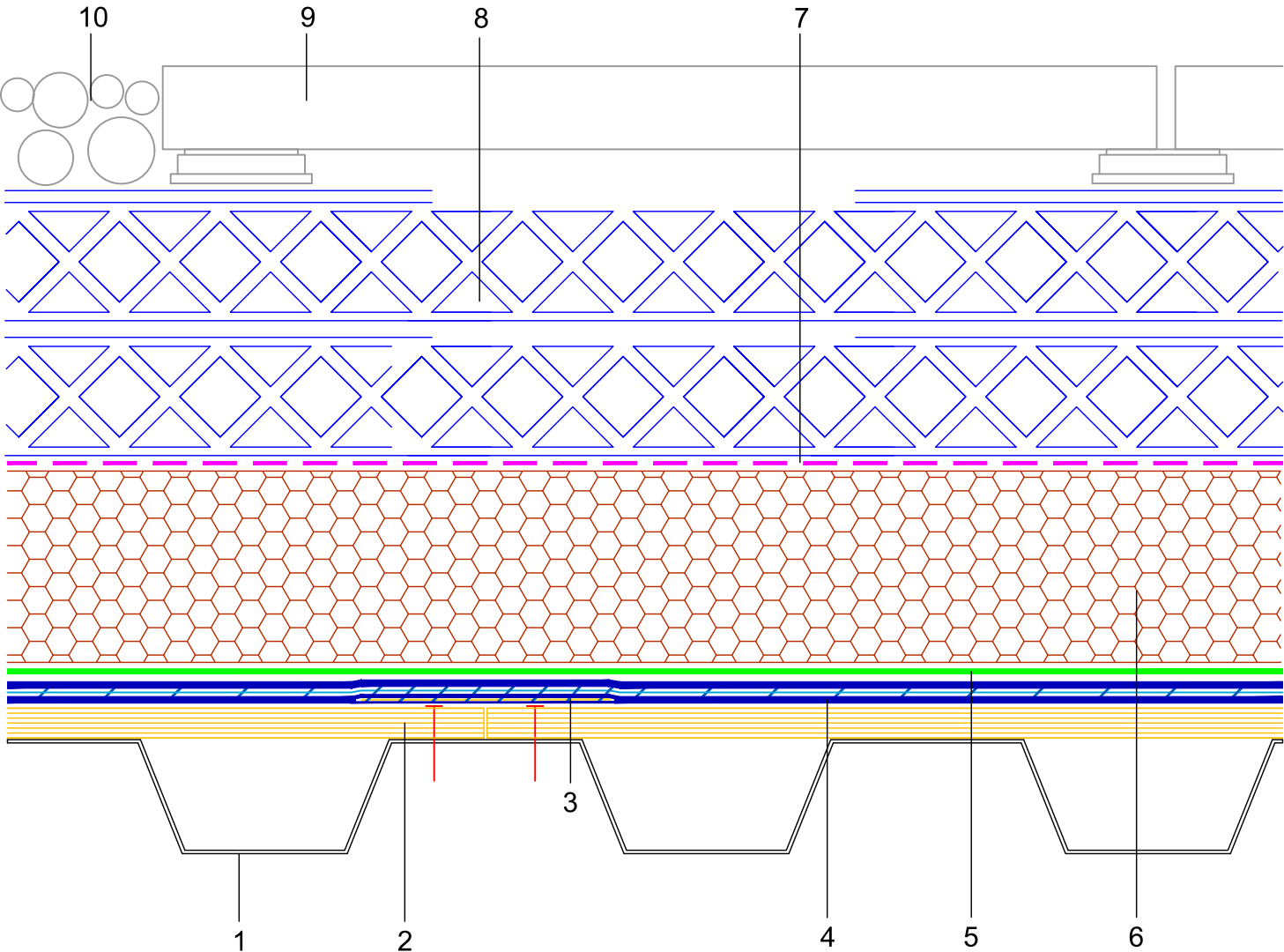
Date:
September 2024

Scale:
NTS

Drawn by:
ME

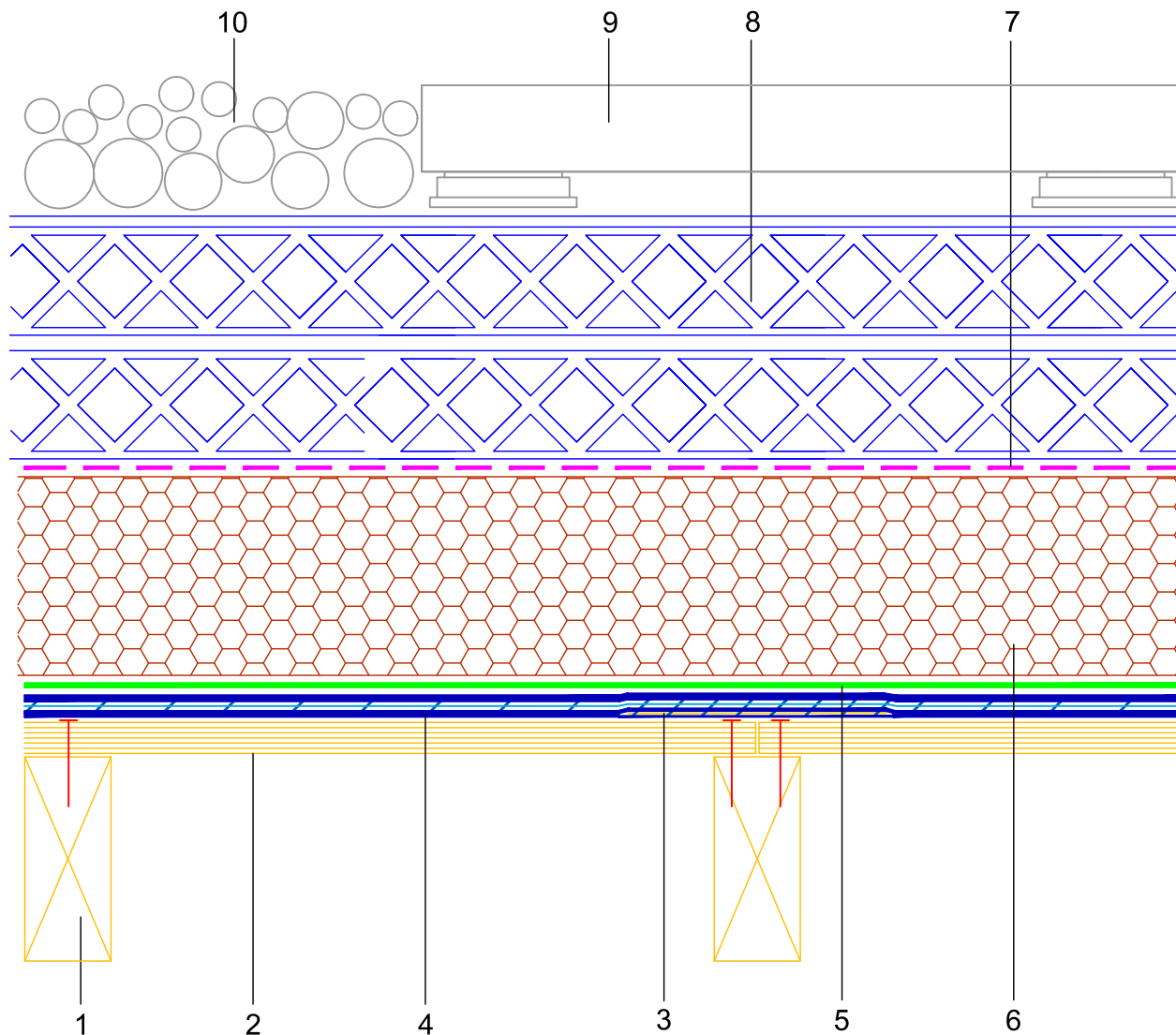
Revision:

Sheet No:
PT.1CBLU



- SECTION KEY:
1. STRUCTURAL METAL DECK
 2. MINIMUM 18MM EXTERIOR GRADE- PLYWOOD, OSB TYPE 3 OR EXTERIOR CEMENT PARTICLE BOARD MECHANICALLY FIXED TO DECK
 3. PERMAFLASH-DI50 BONDED IN PERMATEC ECOWRAP
 4. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT
 5. PERMAGUARD-F PROTECTION LAYER

6. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD
7. IKO ENERTHERM WCL (WATER CONTROL LAYER)
8. BLUE ROOF VOID ATTENUATION LAYER
9. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS
10. MINIMUM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE



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STANDARD DETAIL

Drawing Title:

TYPICAL BLUE INVERTED
ROOF ASSEMBLY PLYWOOD
DECK

Date:

September 2024

Scale:

NTS

Drawn by:

ME

Revision:

Sheet No:

PT.1DBLU

SECTION KEY: 1. TIMBER JOIST

2. MINIMUM 18MM EXTERIOR GRADE- PLYWOOD, OSB TYPE 3 BOARD MECHANICALLY FIXED TO TIMBER JOISTS.
3. PERMAFLASH-DI50 BONDED IN PERMATEC LI
4. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT
5. PERMAGUARD-F PROTECTION LAYER

6. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD
7. IKO ENERTHERM WCL (WATER CONTROL LAYER)
8. BLUE ROOF VOID ATTENUATION LAYER
9. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS
10. MINIMUM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

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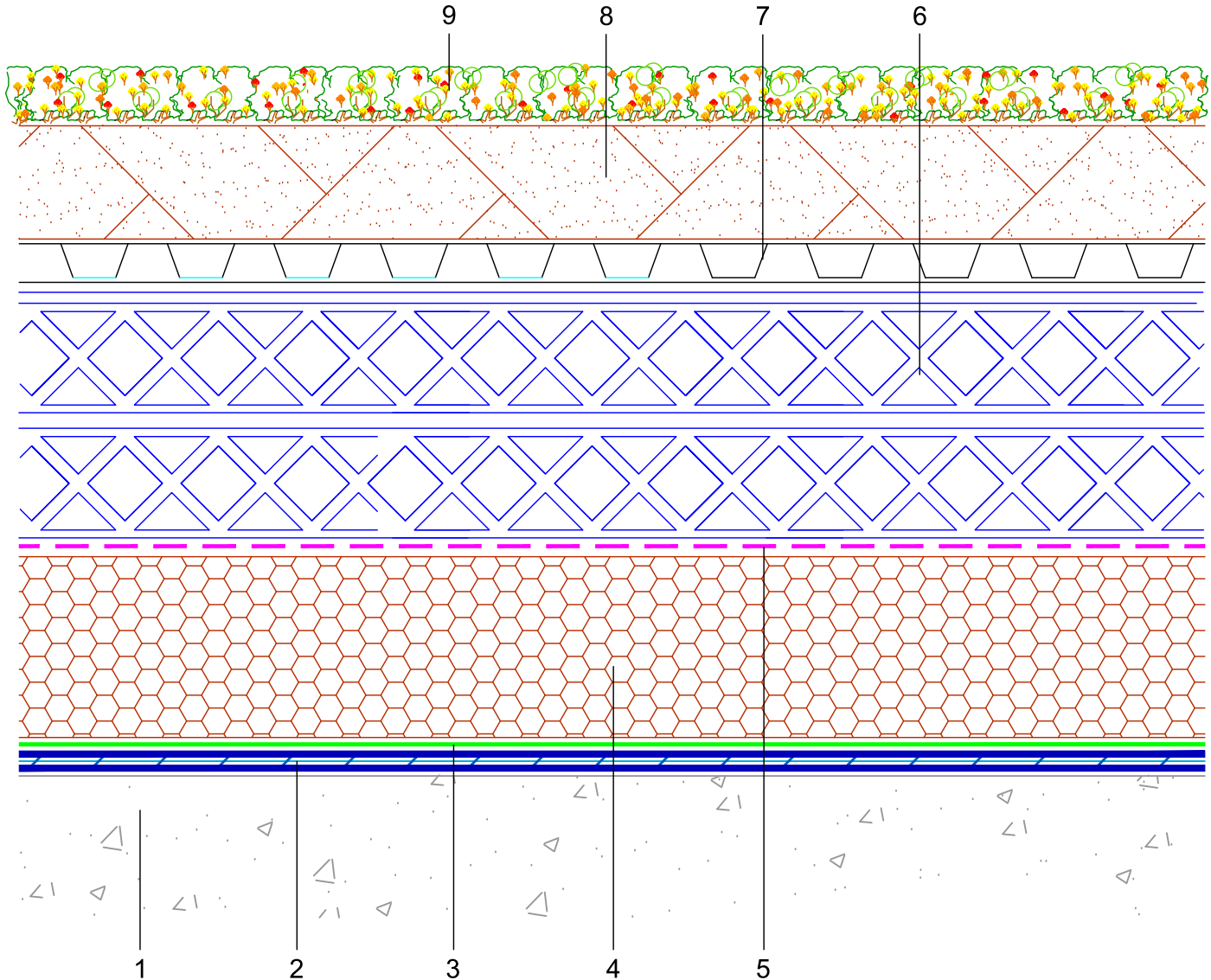
STANDARD DETAIL

Drawing Title:

TYPICAL EXTENSIVE
BLUE/GREEN ROOF

Date: September 2024
Scale: NTS

Drawn by: ME
Revision:
Sheet No: PT.1EBLU



- SECTION KEY:
- | | |
|--|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 6. BLUE ROOF VOID ATTENUATION LAYER |
| 2. TWO COATS OF PERMATEC LI ANTI-ROOT INCORPORATING IKO PERMAFLASH-R REINFORCEMENT | 7. IKO PLASFEED DRAINAGE/MOISTURE RETENTION LAYER |
| 3. IKO PERMAGUARD - F PROTECTION LAYER | 8. IKO EXTENSIVE INVERTED GROWING MEDIUM |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 9. IKO SEDUM BLANKET/ PLUG PLANT |
| 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) | |

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M²).

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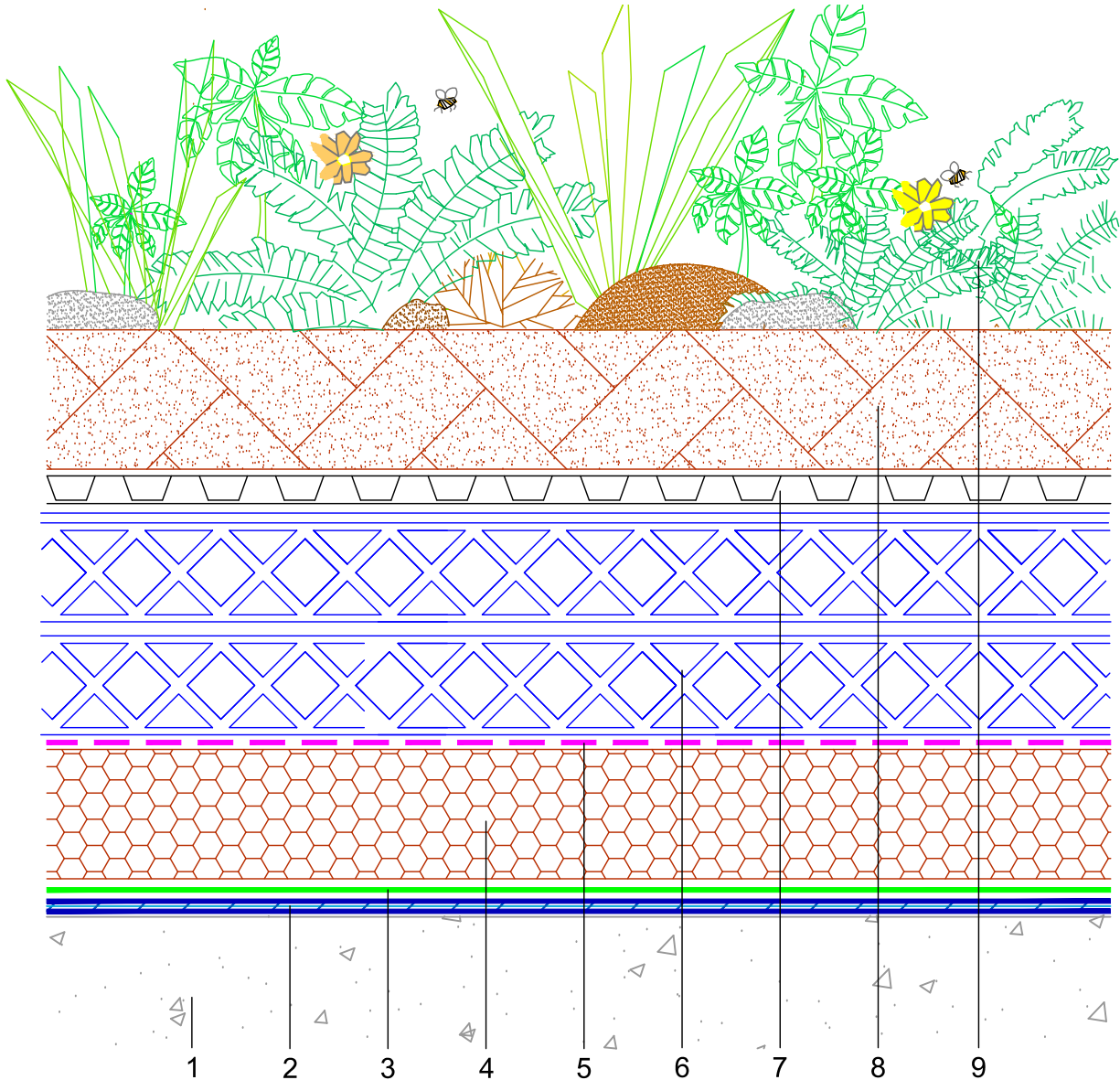
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STANDARD DETAIL

Drawing Title:

TYPICAL INTENSIVE
BLUE/GREEN ROOF

Date: September 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.1F(A)BLU	



- SECTION KEY:
- | | |
|--|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 6. BLUE ROOF VOID ATTENUATION LAYER |
| 2. TWO COATS OF PERMATEC LI ANTI-ROOT INCORPORATING PERMAFLASH-R REINFORCEMENT | 7. IKO PLASFEED DRAINAGE/MOISTURE RETENTION LAYER |
| 3. PERMAGUARD-F PROTECTION LAYER | 8. IKO INTENSIVE GROWING MEDIUM |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD. | 9. VEGETATION AS SPECIFIED |
| 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) | |

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M²).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

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STANDARD DETAIL

Drawing Title:

TYPICAL BIODIVERSE BLUE/GREEN
ROOF

Date:

September 2024

Scale:

NTS

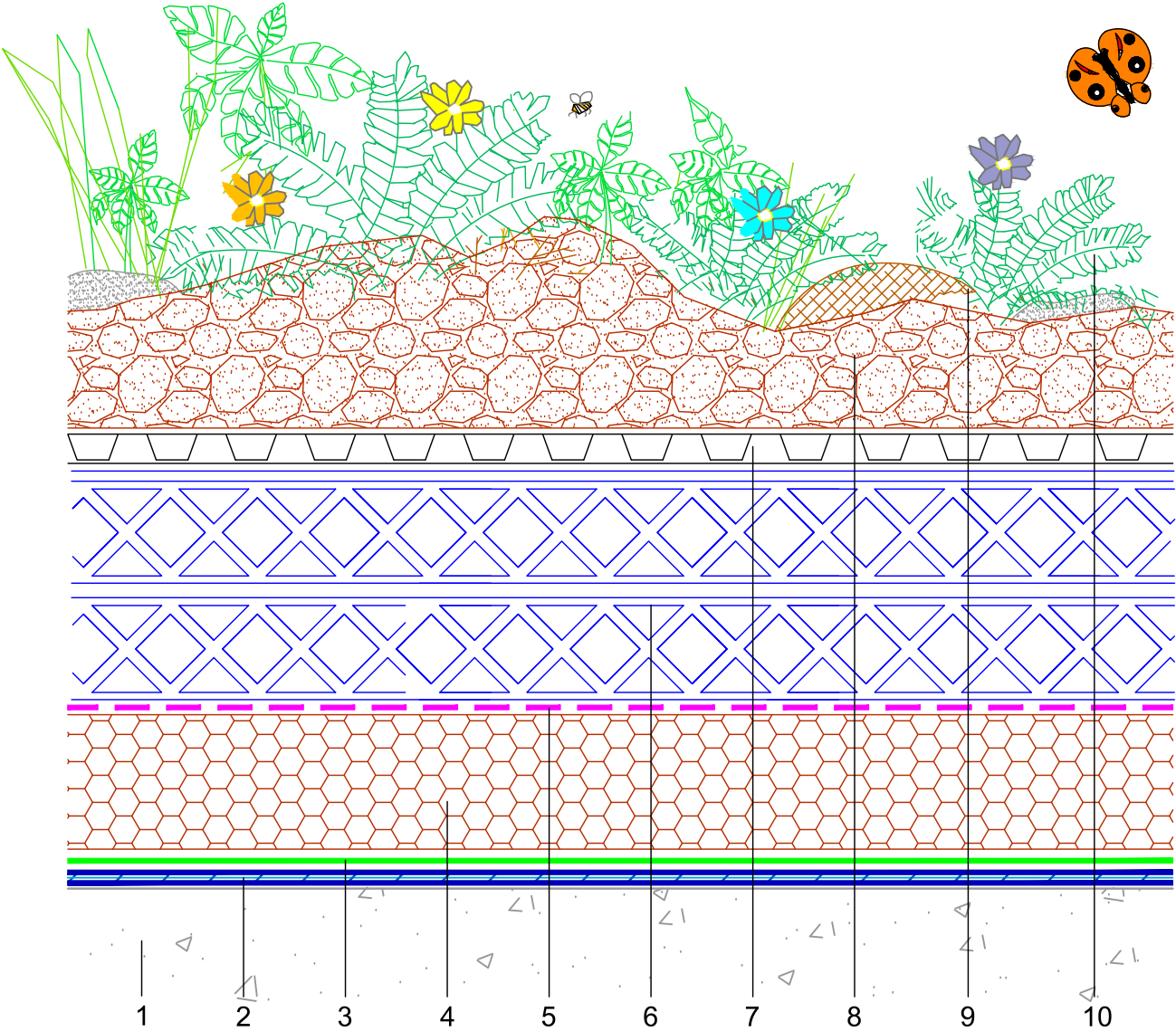
Drawn by:

ME

Revision:

Sheet No:

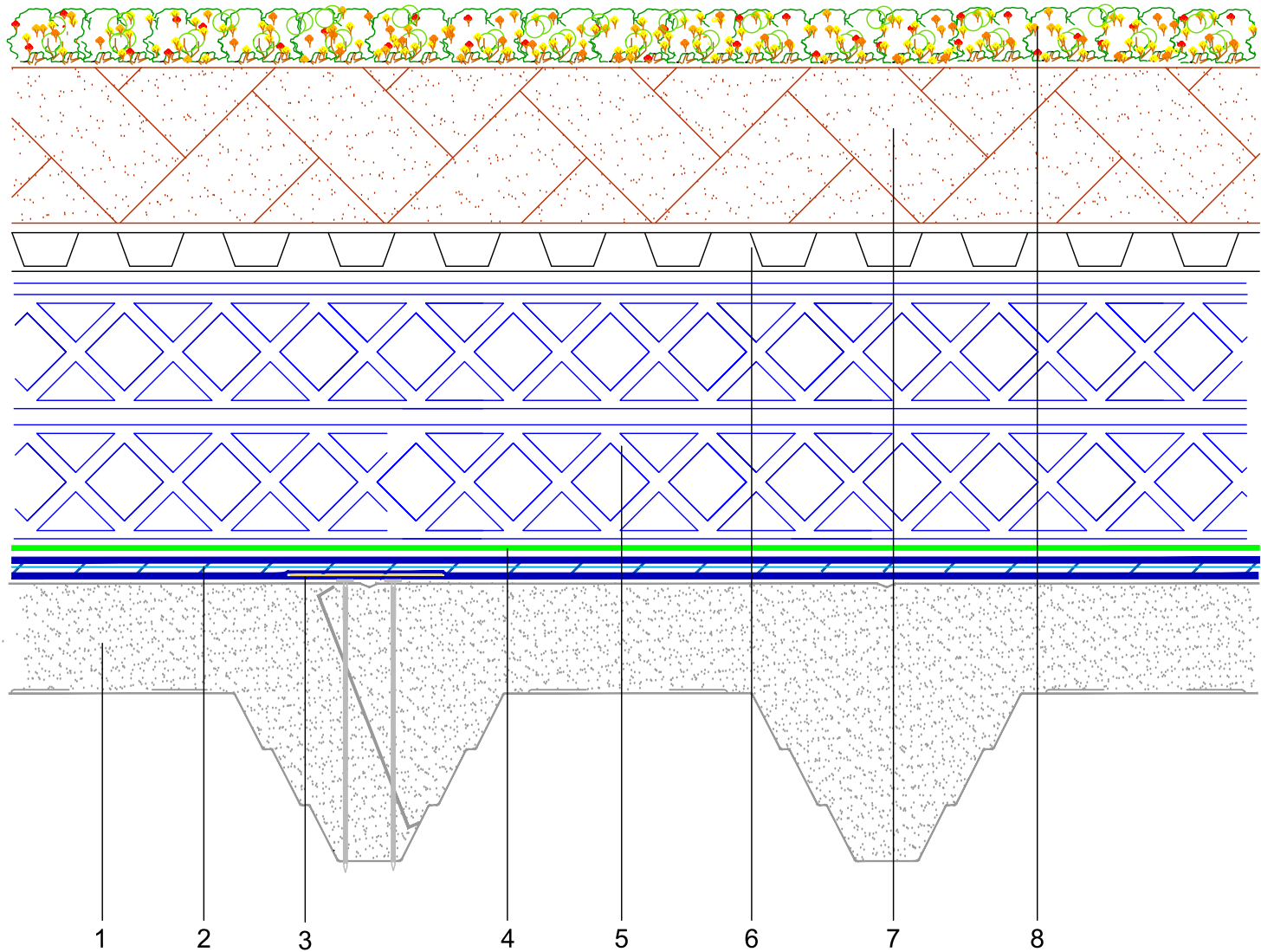
PT.1F(B)BLU



SECTION KEY:

- | | |
|---|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. IKO PLASFEED DRAINAGE/MOISTURE RETENTION LAYER |
| 2. 2 COATS OF PERMATEC LI ANTIROOT INCORPORATING PERMAFLASH-R REINFORCEMENT | 8. IKO BIODIVERSE GROWING MEDIUM, MOUNDED BETWEEN MINIMUM 100MM UP TO ABOUT 200MM. |
| 3. PERMAGUARD - F PROTECTION LAYER | 9. OPTIONAL LOGS AND INSECT HOUSES |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD. | 10. VEGETATION TO ENHANCE THE PRE-DEVELOPMENT HABITAT & ATTRACT SPECIFIC WILDLIFE |
| 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) | |
| 6. BLUE ROOF VOID ATTENUATION LAYER | |

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.



SECTION KEY:

- | | |
|--|---|
| 1. COMPATIBLE COMPOSITE INSULATED ROOF DECK | 5. BLUE ROOF VOID ATTENUATION LAYER |
| 2. TWO COATS OF PERMATEC LI ANTIRROOT INCORPORATING PERMAFLASH-R REINFORCEMENT | 6. IKO PLASFEED DRAINAGE/MOISTURE RETENTION LAYER |
| 3. 150MM WIDE PERMAFLASH-DI50 BONDED IN PERMATEC ANTIRROOT | 7. IKO EXTENSIVE GROWING MEDIUM |
| 4. PERMAGUARD-F PROTECTION LAYER | 8. IKO SEDUM BLANKET/ PLUG PLANT |



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STANDARD DETAIL

Drawing Title:
TYPICAL EXTENSIVE
BLUE/GREEN ROOF SECTION
ON COMPOSITE INSULATED
ROOF DECK

Date: September 2024		Scale: NTS	
Drawn by: ME	Revision:		Sheet No: PT.1GBLU

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

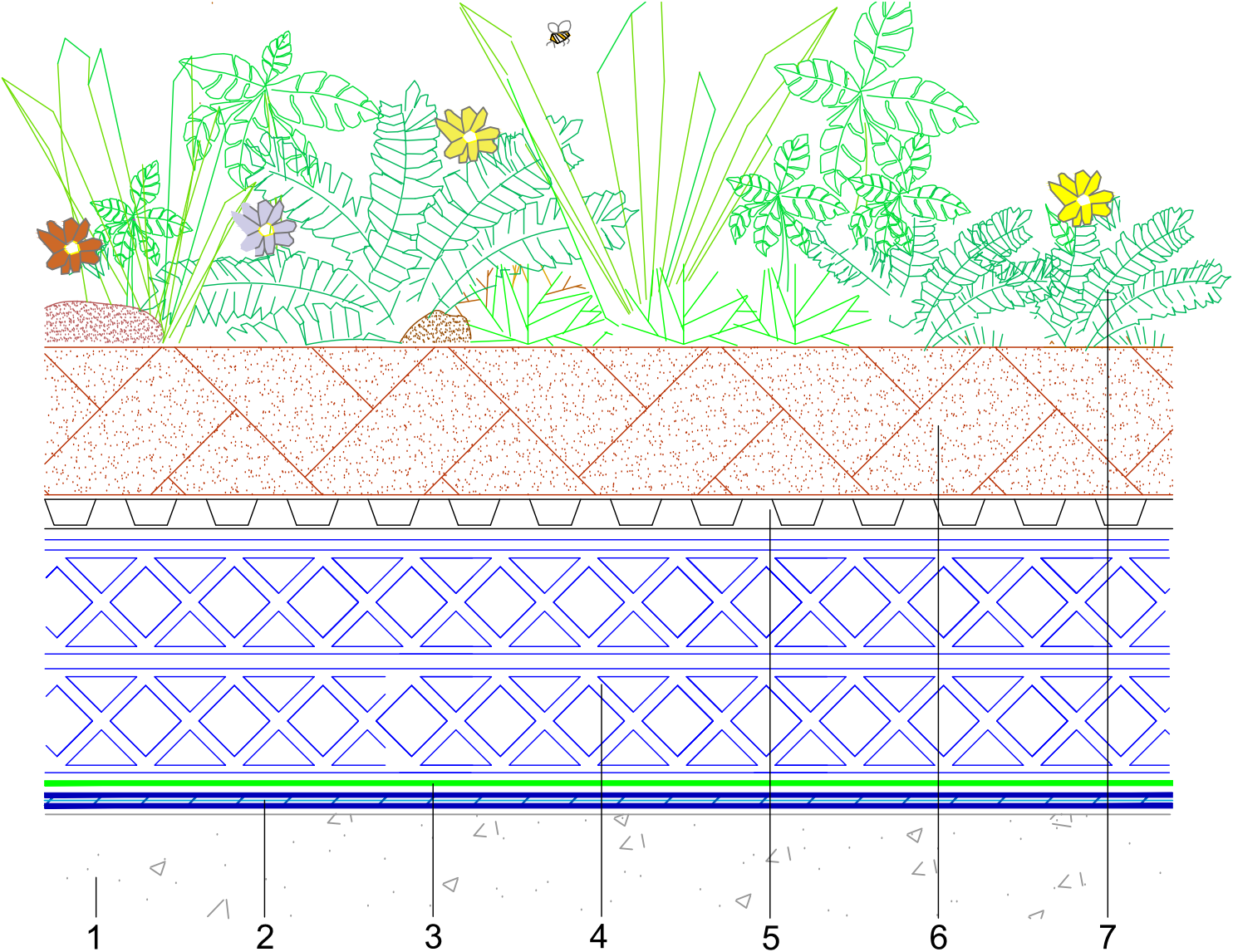


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STANDARD DETAIL

Drawing Title:
TYPICAL UN-INSULATED
INTENSIVE BLUE/GREEN ROOF

Date: September 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.1HBLU	



SECTION KEY:

- | | |
|--|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 5. IKO PLASFEED DRAINAGE/MOISTURE RETENTION LAYER |
| 2. TWO COATS OF PERMATEC LI ANTI-ROOT INCORPORATING PERMAFLASH-R REINFORCEMENT | 6. IKO INTENSIVE GROWING MEDIUM |
| 3. PERMAGUARD-F PROTECTION LAYER | 7. VEGETATION AS SPECIFIED |
| 4. BLUE ROOF VOID ATTENUATION LAYER | |

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M²).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

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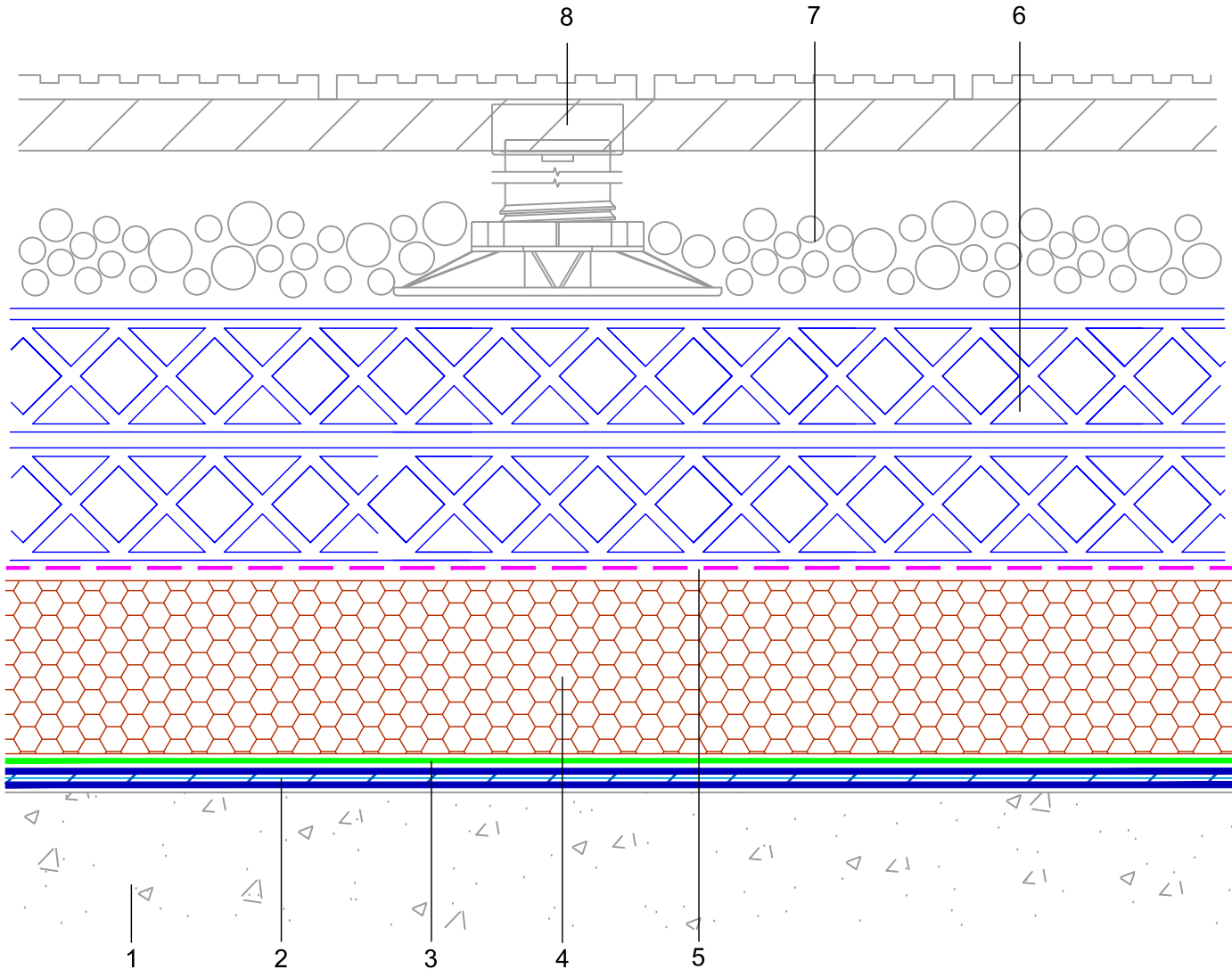


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STANDARD DETAIL

Drawing Title:

TYPICAL INVERTED BLUE ROOF
WITH NON-COMBUSTIBLE DECKING



SECTION KEY:

- | | |
|--|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) |
| 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 6. BLUE ROOF VOID ATTENUATION LAYER |
| 3. PERMAGUARD-F PROTECTION LAYER | 7. COMPOSITE DECKING SYSTEM WITH ADJUSTABLE SUPPORTS |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 8. MINIMUM 50MM LAYER OF 20 - 40MM ROUNDED WASHED AGGREGATE |

Date: September 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.1LBLU	

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m2 to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M2).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

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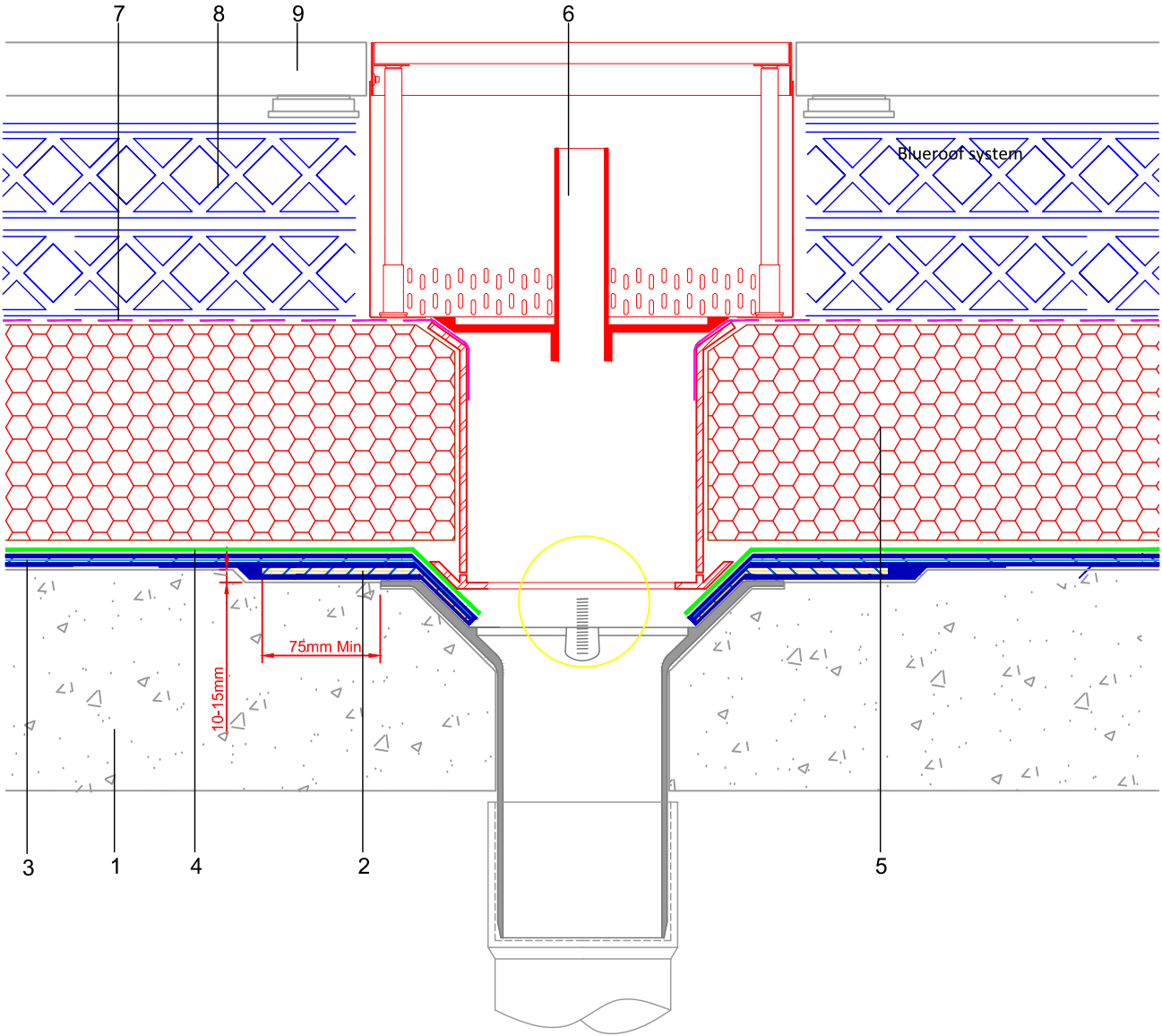


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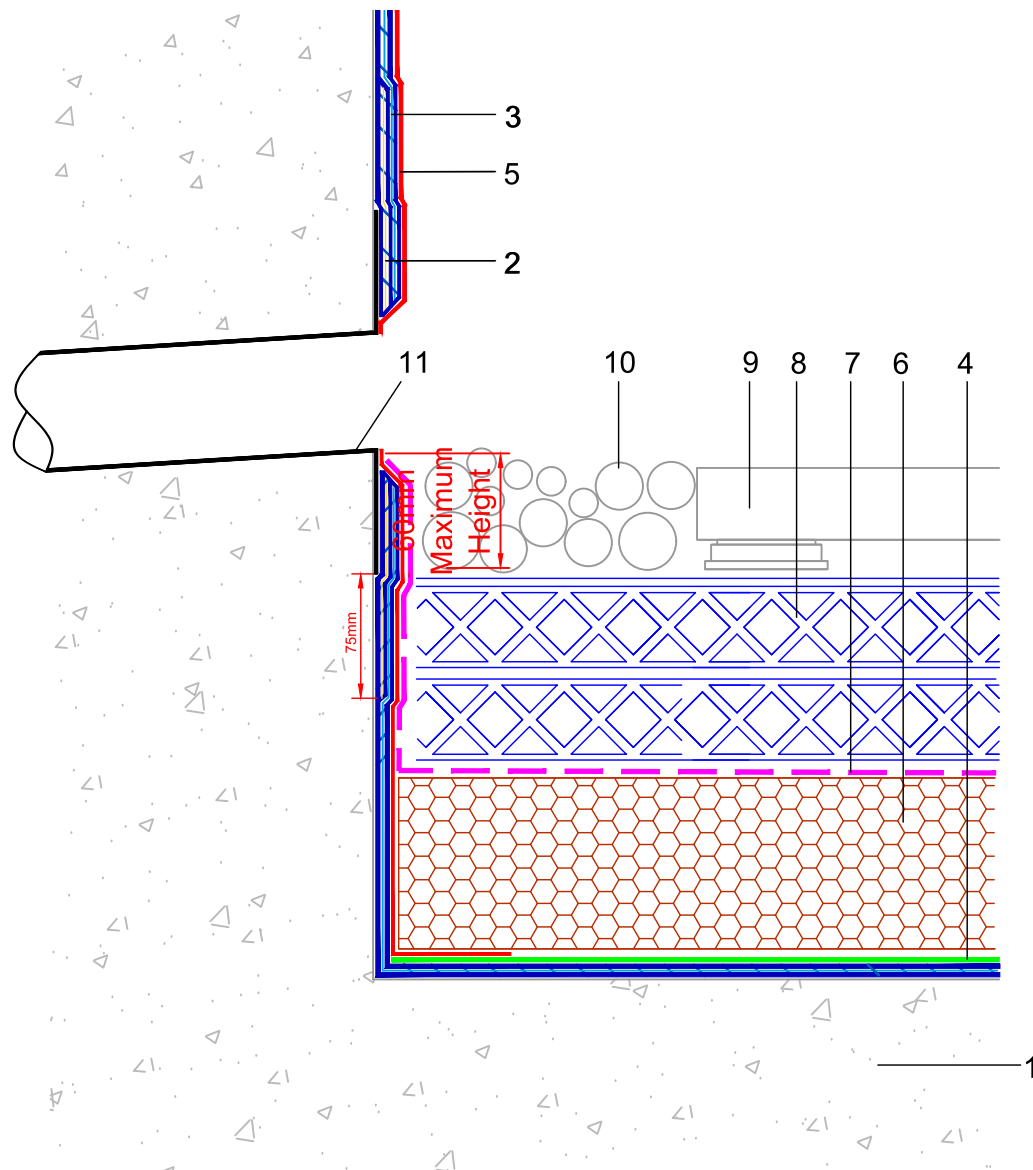
STANDARD DETAIL

Drawing Title:
**BLUE ROOF - TYPICAL RAINWATER
OUTLET WITH WATER FLOW
RESTRICTOR TO INVERTED ROOF**

Date:	Scale:	
September 2024	NTS	
Drawn by:	Revision:	Sheet No:
ME		PT.3ABLU



- SECTION KEY:
- | | |
|--|---|
| 1. CONCRETE SLAB PRIMED WITH PERMATEC PRIMER | 6. IKO VERTICAL SPIGOT ROOF OUTLET WITH BLUE ROOF WATER RESTICTOR BOX. SEALED TO DOWNPIPE |
| 2. PERMAFLASH-D500 BONDED IN PERMATEC LI | 7. IKO ENERTHERM WCL (WATER CONTROL LAYER) |
| 3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 8. BLUE ROOF VOID ATTENUATION LAYER |
| 4. PERMAGUARD-F PROTECTION LAYER | 9. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 5. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | |



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STANDARD DETAIL

Drawing Title:
BLUE ROOF TYPICAL RAINWATER
OVERFLOW CHUTE THROUGH
UP-STAND

Date: September 2024 Scale: NTS

Drawn by: ME Revision: Sheet No: PT.3EBLU

SECTION KEY:	1.	CONCRETE DECK PRIMED WITH PERMATEC PRIMER	6.	IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD
	2.	PERMAFLASH-DI50 BEDDED IN PERMATEC LI	7.	IKO ENERTHERM WCL (WATER CONTROL LAYER)
	3.	TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT	8.	BLUE ROOF VOID ATTENUATION LAYER
	4.	PERMAGUARD-F PROTECTION LAYER	9.	MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS
	5.	PERMAGUARD-M TO PROTECTION LAYER	10.	MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE
			11.	OVERFLOW CHUTE WITH MINIMUM 75MM FLANGE

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M²).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.



Hot Melt Waterproofing System

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Tel: 01257 256888
Internet: www.ikogroup.co.uk
Email: gmtechnical@iko.com

STANDARD DETAIL

Drawing Title:

BLUE ROOF - TYPICAL COLD METAL
PIPE PENETRATION

Date:

September 2024

Scale:

NTS

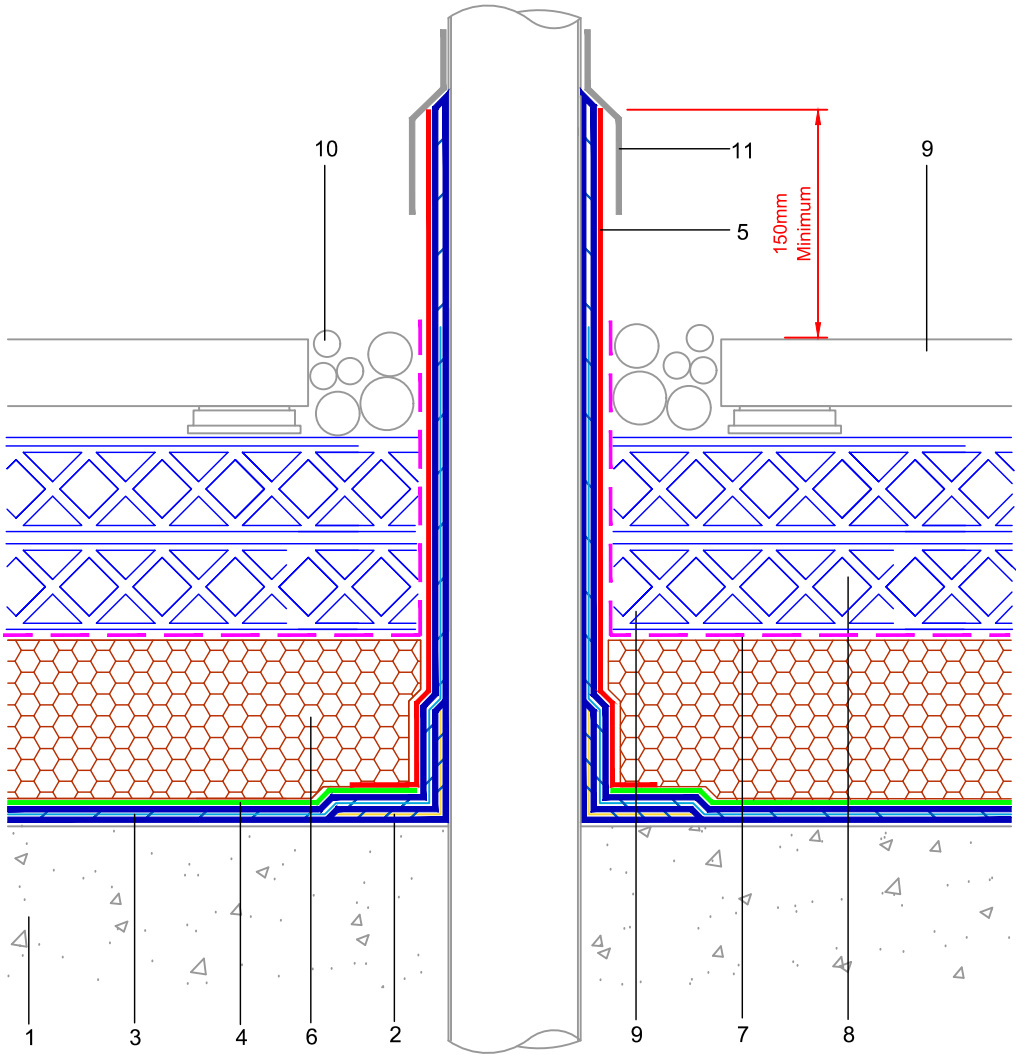
Drawn by:

ME

Revision:

Sheet No:

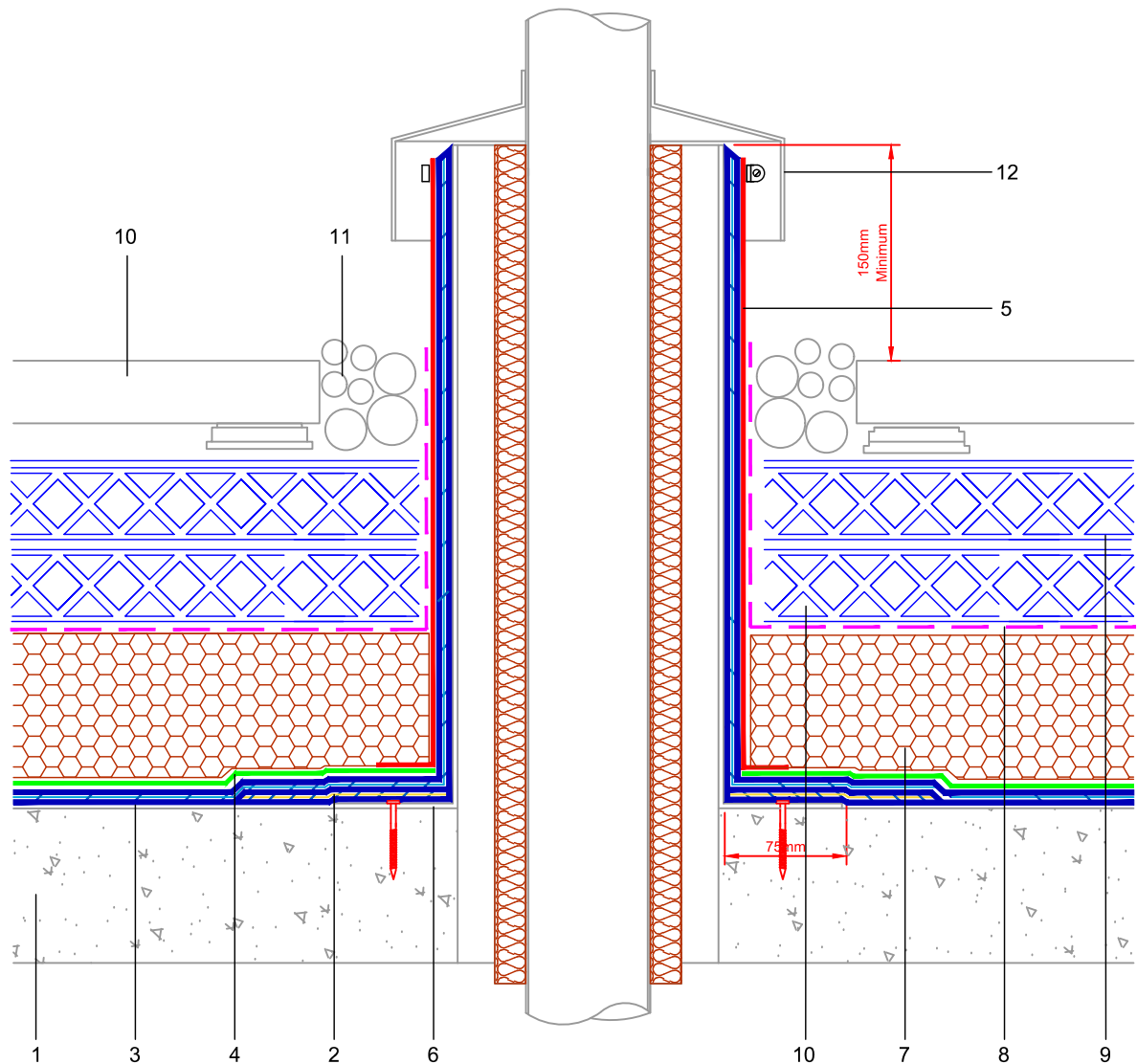
PT.4ABLU



SECTION KEY:

- | | | |
|--|---|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 5. PERMAGUARD-M PROTECTION LAYER | 9. MINIMUM 40MM PAVING SLABS ON PROPRIETARY SUPPORTS |
| 2. PERMAFLASH-DI50 BONDED IN PERMATEC LI | 6. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION | 10. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 7. IKO ENERTHERM WCL (WATER CONTROL LAYER) | II. COLLAR FLASHING |
| 4. PERMAGUARD-F PROTECTION LAYER | 8. BLUE ROOF VOID ATTENUATION LAYER | |

IF THE HOT PIPE IS A FLUE THEN THE INSTALLATION MUST ALWAYS COMPLY WITH APPROVED DOCUMENT J (COMBUSTION APPLIANCES) PART 3 OF THE BUILDING REGULATIONS 2010 AS AMMENDED (ENGLAND). THIS IS ESPECIALLY IMPORTANT IF THE DECK IS TIMBER AND THEREFORE COMBUSTIBLE. FOR SCOTLAND, N IRELAND AND WALES SEE THEIR RULES



SECTION KEY:	1.	CONCRETE DECK PRIMED WITH PERMATEC PRIMER	5.	PERMAGUARD-M PROTECTION LAYER	9.	BLUE ROOF VOID ATTENUATION LAYER
	2.	PERMAFLASH-DI50 DETAILING SHEET BONDED IN PERMATEC LI	6.	GALVANISED STEEL PIPE SLEEVE	10.	MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS
	3.	TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT	7.	IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD	11.	MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE
	4.	PERMAGUARD-F PROTECTION LAYER	8.	IKO ENERTHERM WCL (WATER CONTROL LAYER)	12.	PIPE COLLAR FLASHING

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Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m2 to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M2).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.



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STANDARD DETAIL

Drawing Title:
BLUE ROOF - TYPICAL HOT PIPE PENETRATION

Date:	Scale:	
September 2024	NTS	
Drawn by:	Revision:	Sheet No:
ME		PT.4BBLU

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m2 to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M2).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

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STANDARD DETAIL

Drawing Title:

BLUE ROOF
TYPICAL PITCH POCKET

Date:

September 2024

Scale:

NTS

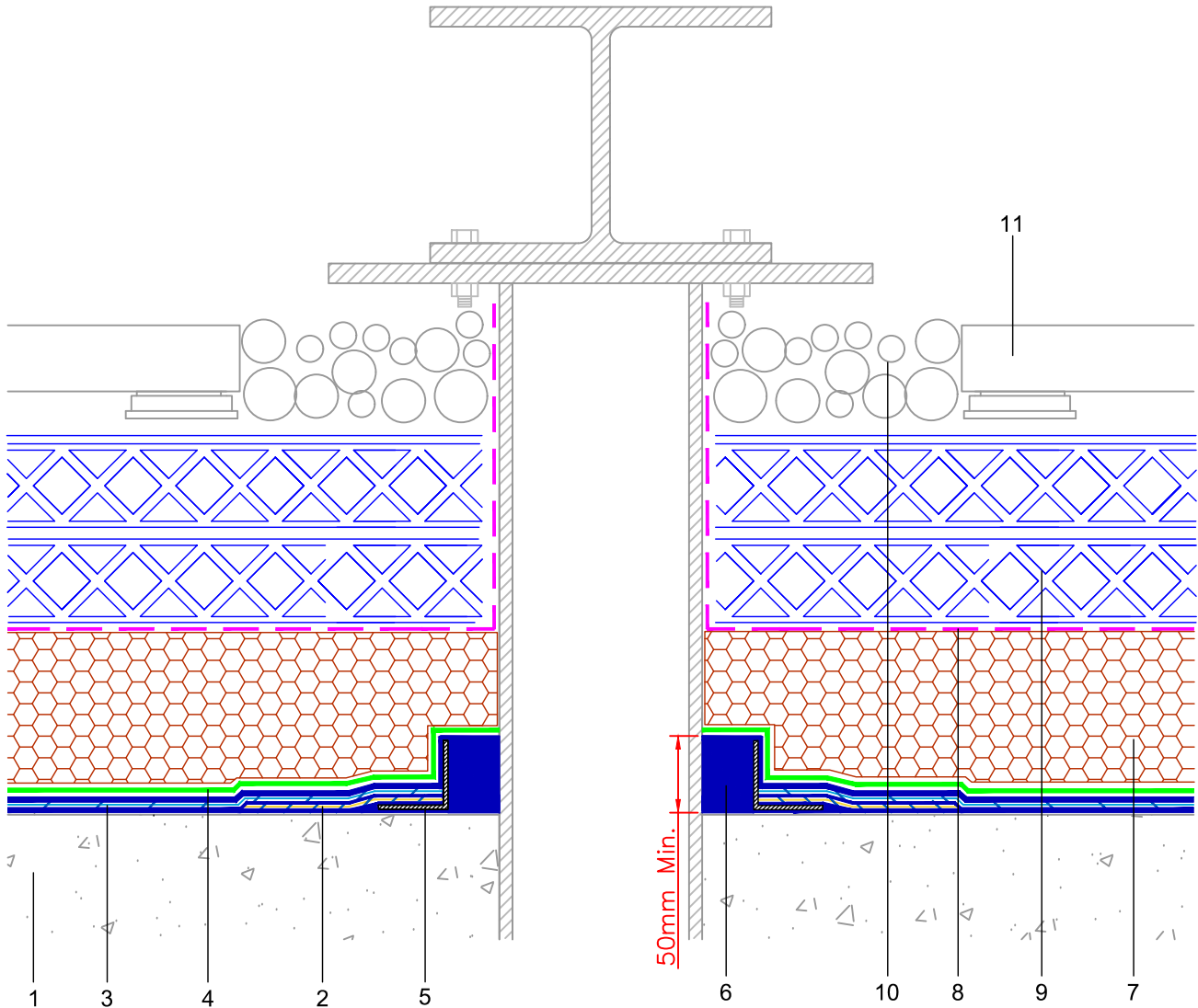
Drawn by:

ME

Revision:

Sheet No:

PT.4C(A)BLU



SECTION KEY:

- | | | |
|--|---|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 5. GALVANISED STEEL PITCH POCKET FORMER BONDED IN PERMATEC COMPOUND | 9. BLUE ROOF VOID ATTENUATION LAYER |
| 2. PERMAFLASH-DI50 DETAILING SHEET BONDED IN PERMATEC LI | 6. PERMATEC LI POURED INTO FORMER | 10. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 7. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 11. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 4. PERMAGUARD-F PROTECTION LAYER | 8. IKO ENERTHERM WCL (WATER CONTROL LAYER) | |

Wind Uplift

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M2).

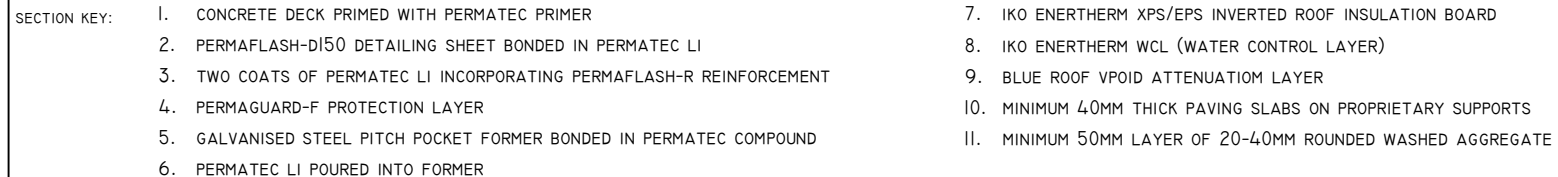
Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.



BLUE ROOF TYPICAL PITCH
POCKET (BASE PLATE)

NTS

PT.4C(B)BLU



Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m2 to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M2).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.



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STANDARD DETAIL

Drawing Title:

BLUE ROOF
TYPICAL PLINTH

Date:

September 2024

Scale:

NTS

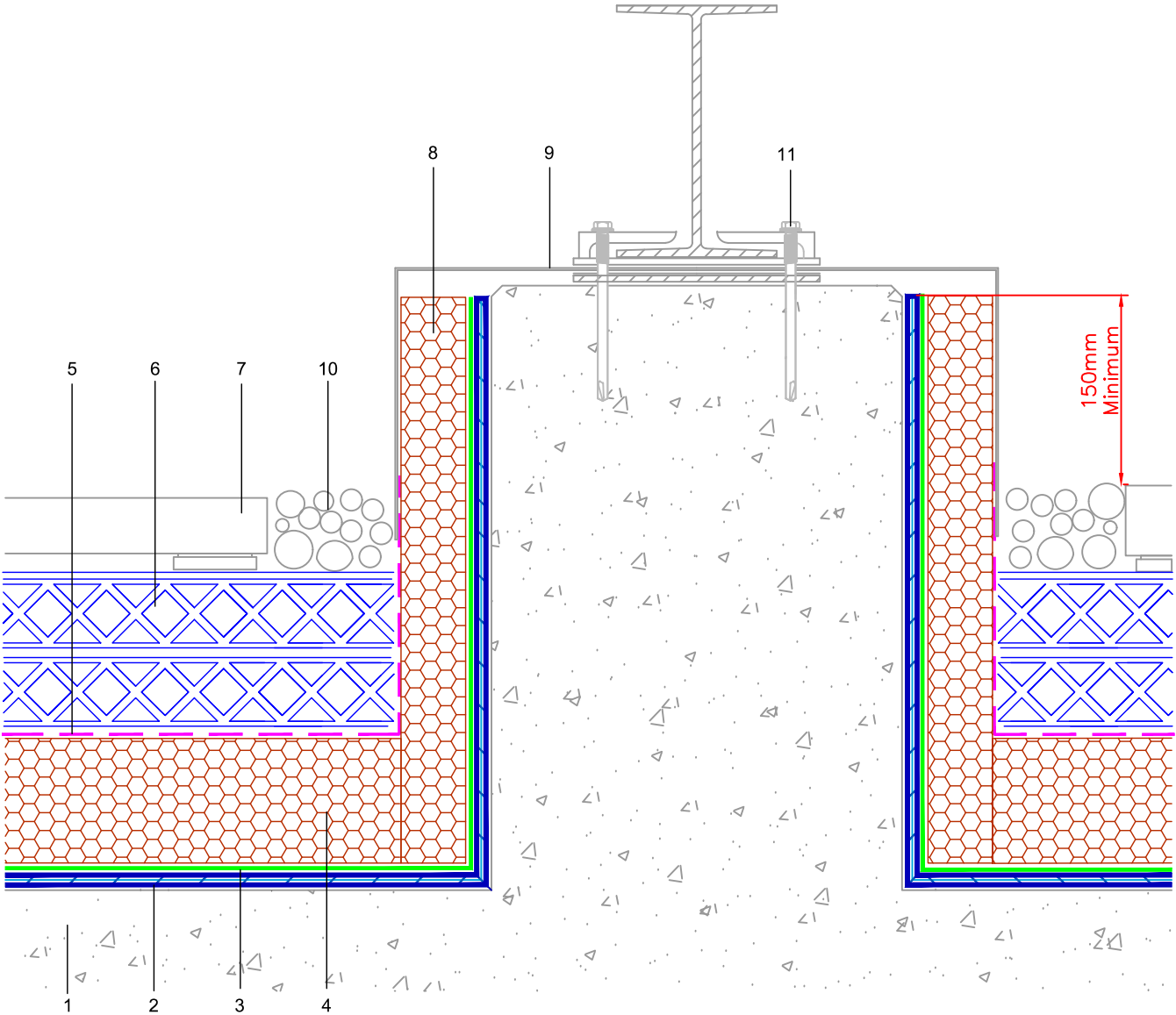
Drawn by:

ME

Revision:

Sheet No:

PT.4DBLU



- SECTION KEY:
- | | |
|--|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 8. IKO ETHERM UPSTAND BOARD INVERTED ROOF INSULATION BOARD |
| 3. PERMAGUARD-F PROTECTION LAYER | 9. METAL FLASHING |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 10. MINIMUM 50MM LAYER 20-40MM ROUNDED WASHED AGGREGATE |
| 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) | 11. PLANT SUPPORT STRUCTURE FIXED USING SEALING WASHERS ABOVE AND BELOW THE METAL FLASHING |
| 6. BLUE ROOF VOID ATTENUATION LAYER | |

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M²).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.



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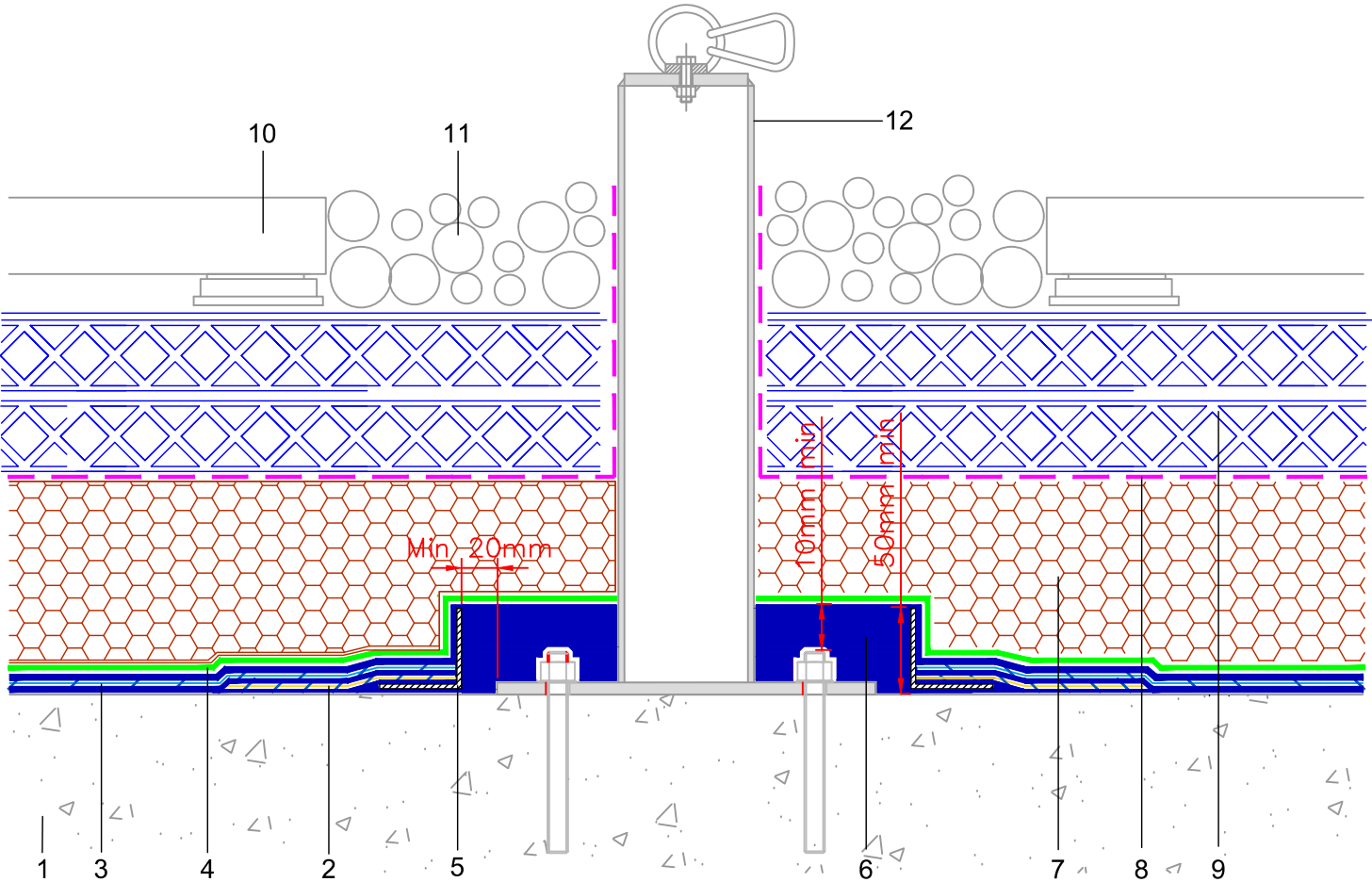
STANDARD DETAIL

Drawing Title:

BLUE ROOF
TYPICAL MANSAFE POST
PITCH POCKET

Date: September 2024
Scale: NTS

Drawn by: ME
Revision:
Sheet No: PT.4EBLU



- SECTION KEY:
- | | |
|--|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD |
| 2. PERMAFLASH-DI50 DETAILING SHEET BONDED IN PERMATEC LI | 8. IKO ENERTHERM WCL (WATER CONTROL LAYER) |
| 3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 9. BLUE ROOF VOID ATTENUATION LAYER |
| 4. PERMAGUARD-F PROTECTION LAYER | 10. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 5. GALVANISED STEEL PITCH POCKET FORMER BONDED IN COMPOUND | 11. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 6. PERMATEC LI POURED INTO FORMER | 12. MANSAFE POST |

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M²).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.



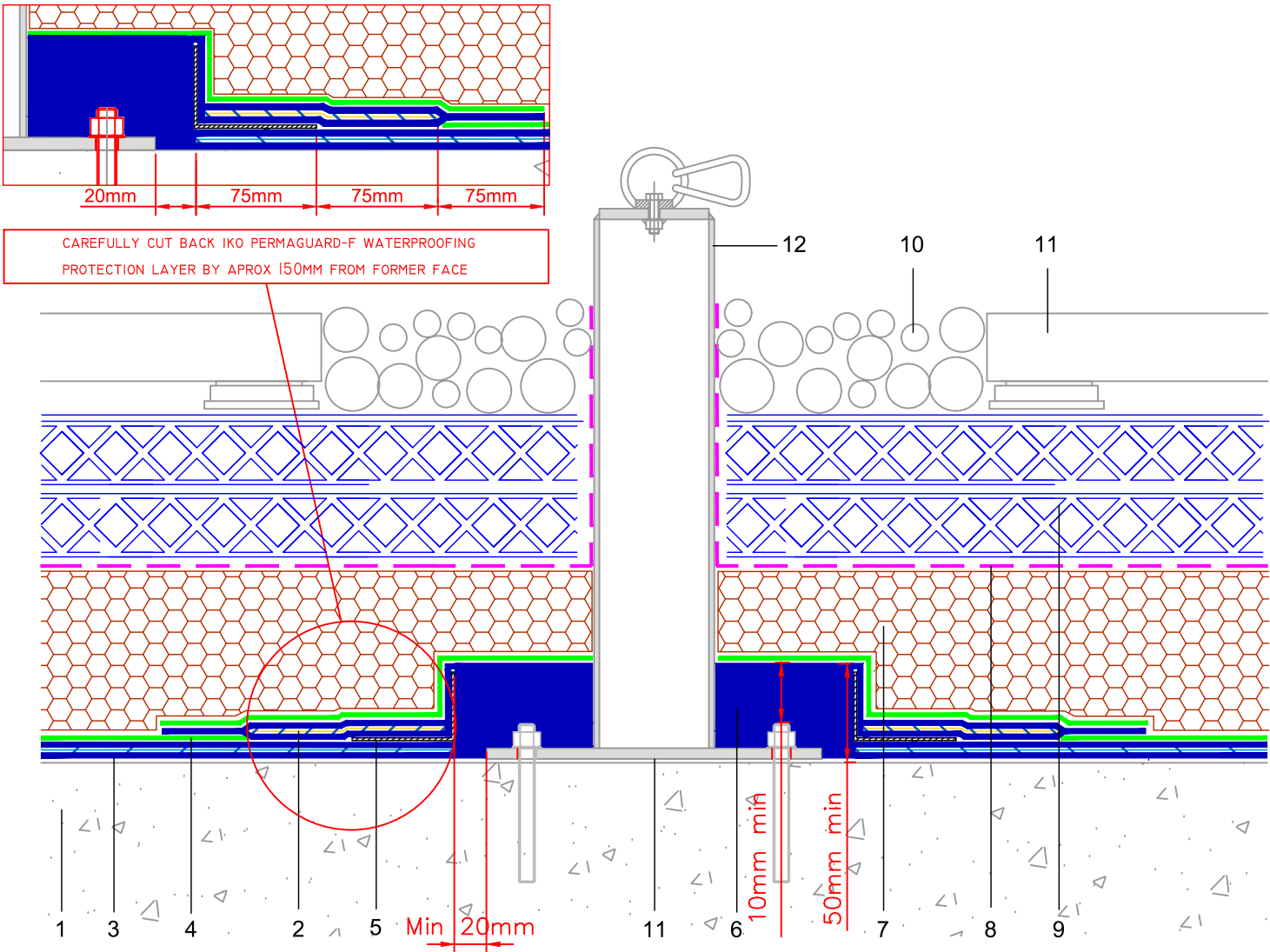
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STANDARD DETAIL

Drawing Title:
BLUE ROOF
TYPICAL RETROFIT
PITCHPOCKET MANSAFE

Date: September 2024
Scale: NTS

Drawn by: ME
Revision:
Sheet No: PT.4FBLU



- SECTION KEY:
- | | |
|--|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD |
| 2. PERMAFLASH-DI50 DETAILING SHEET BONDED IN PERMATEC LI | 8. IKO ENERTHERM WCL (WATER CONTROL LAYER) |
| 3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 9. BLUE ROOF VOID ATTENUATION LAYER |
| 4. PERMAGUARD-F PROTECTION LAYER | 10. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 5. GALVANISED STEEL PITCH POCKET FORMER BONDED IN COMPOUND | 11. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 6. PERMATEC LI POURED INTO FORMER | 12. PROPRIETARY MANSAFE POST |

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m2 to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M2).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

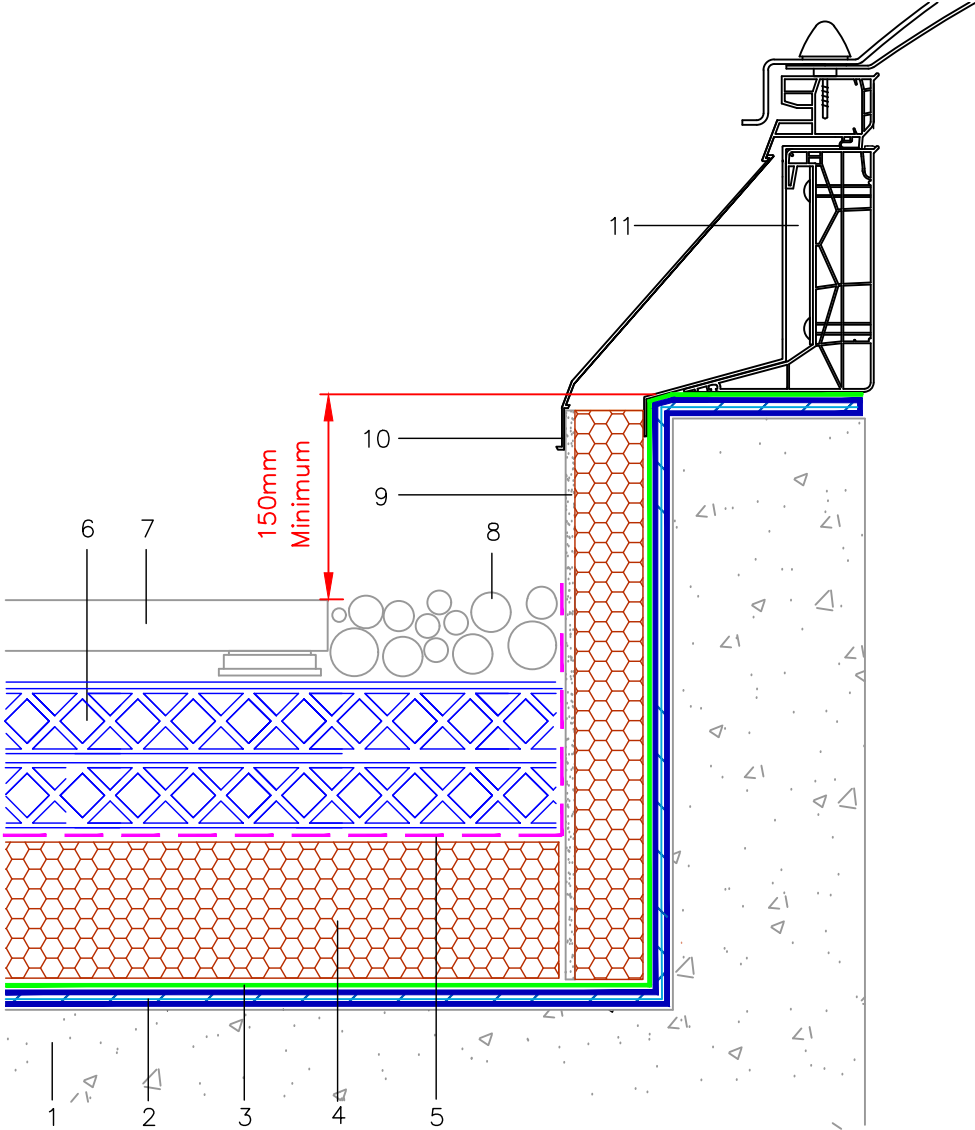


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STANDARD DETAIL

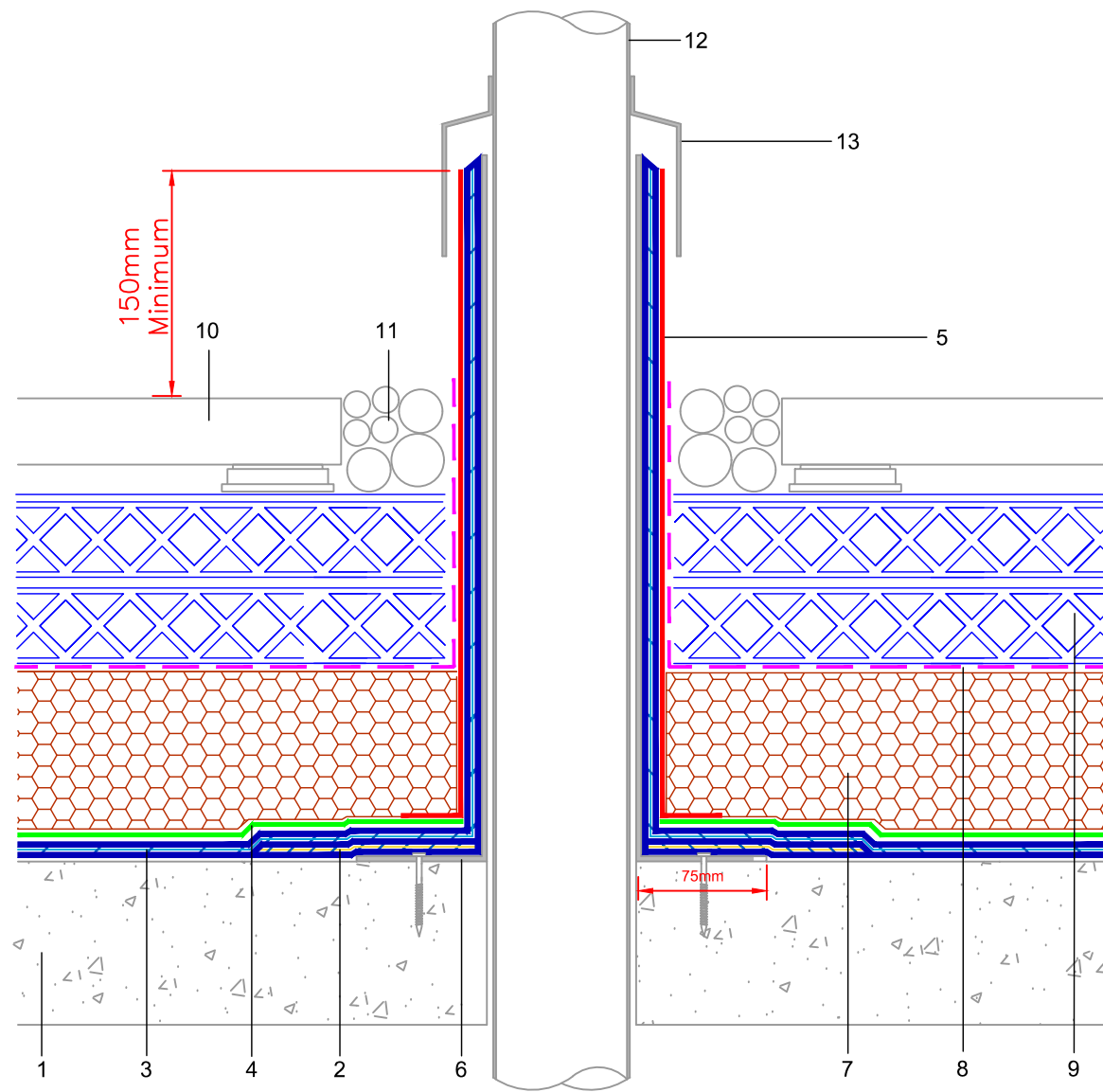
Drawing Title:
BLUE ROOF
TYPICAL KERB TO SMOKE
VENT/ROOF LIGHT/ACCESS HATCH

Date: September 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.4HBLU	



SECTION KEY:

- | | |
|--|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 8. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 3. PERMAGUARD-F PROTECTION LAYER | 9. IKO ETHERM UPSTAND BOARD WITH CEMENT FACING |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 10. INTEGRAL HATCH COWL |
| 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) | 11. SMOKE VENT/ACCESS/ROOFLIGHT |
| 6. BLUE ROOF VOID ATTENUATION LAYER | |



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Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

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On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

IKO permatec
Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:

BLUE ROOF
TYPICAL PLASTIC PIPE WITH
METAL SLEEVE PENETRATION

Date:

September 2024

Scale:

NTS

Drawn by:

ME

Revision:

Sheet No:

PT.4IBLU

SECTION KEY:

- | | |
|--|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 8. IKO ENERTHERM WCL (WATER CONTROL LAYER) |
| 2. PERMAFLASH-DI50 DETAILING SHEET BONDED IN PERMATEC LI | 9. BLUE ROOF VOID ATTENUATION LAYER |
| 3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 10. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 4. PERMAGUARD-F PROTECTION LAYER | 11. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 5. PERMAGUARD-M PROTECTION LAYER (FOR ANY EXPOSED AREA) | 12. PLASTIC PIPE |
| 6. CORROSION RESISTANT METAL PIPE SLEEVE (NOT LEAD) | 13. COLLAR FLASHING |
| 7. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | |

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M²).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.



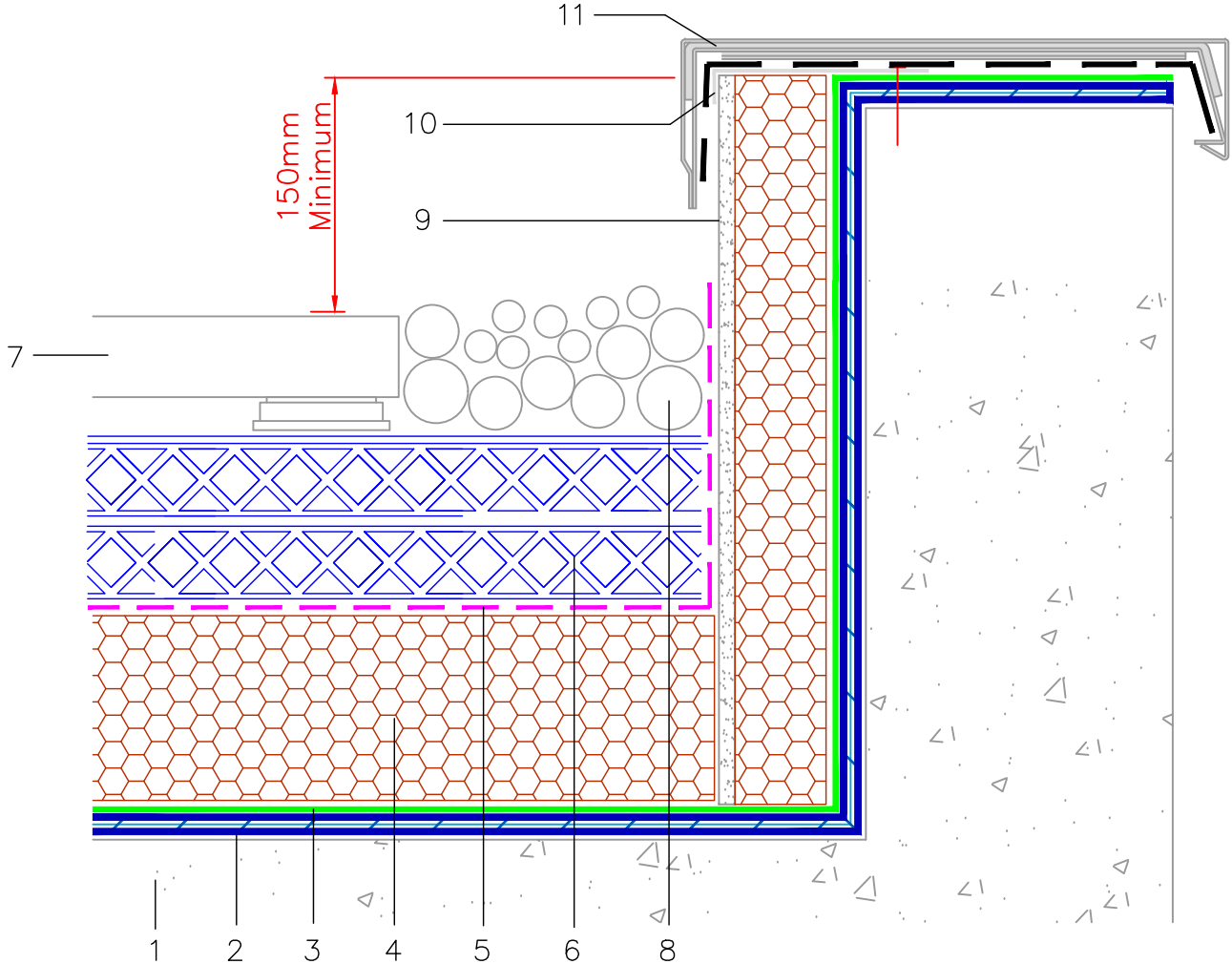
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STANDARD DETAIL

Drawing Title:
**BLUE ROOF
TYPICAL PARAPET WITH CAPPING**

Date: September 2024
Scale: NTS

Drawn by: ME
Revision:
Sheet No: PT.6ABLU



- SECTION KEY:
- | | |
|--|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 8. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 3. PERMAGUARD-F PROTECTION LAYER | 9. IKO ETHERM UPSTAND BOARD WITH CEMENTITIOUS FACING |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 10. RETENTION CLIP |
| 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) | 11. CAPPING SYSTEM WITH DPC |
| 6. BLUE ROOF VOID ATTENUATION LAYER | |

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m2 to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M2).

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Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.



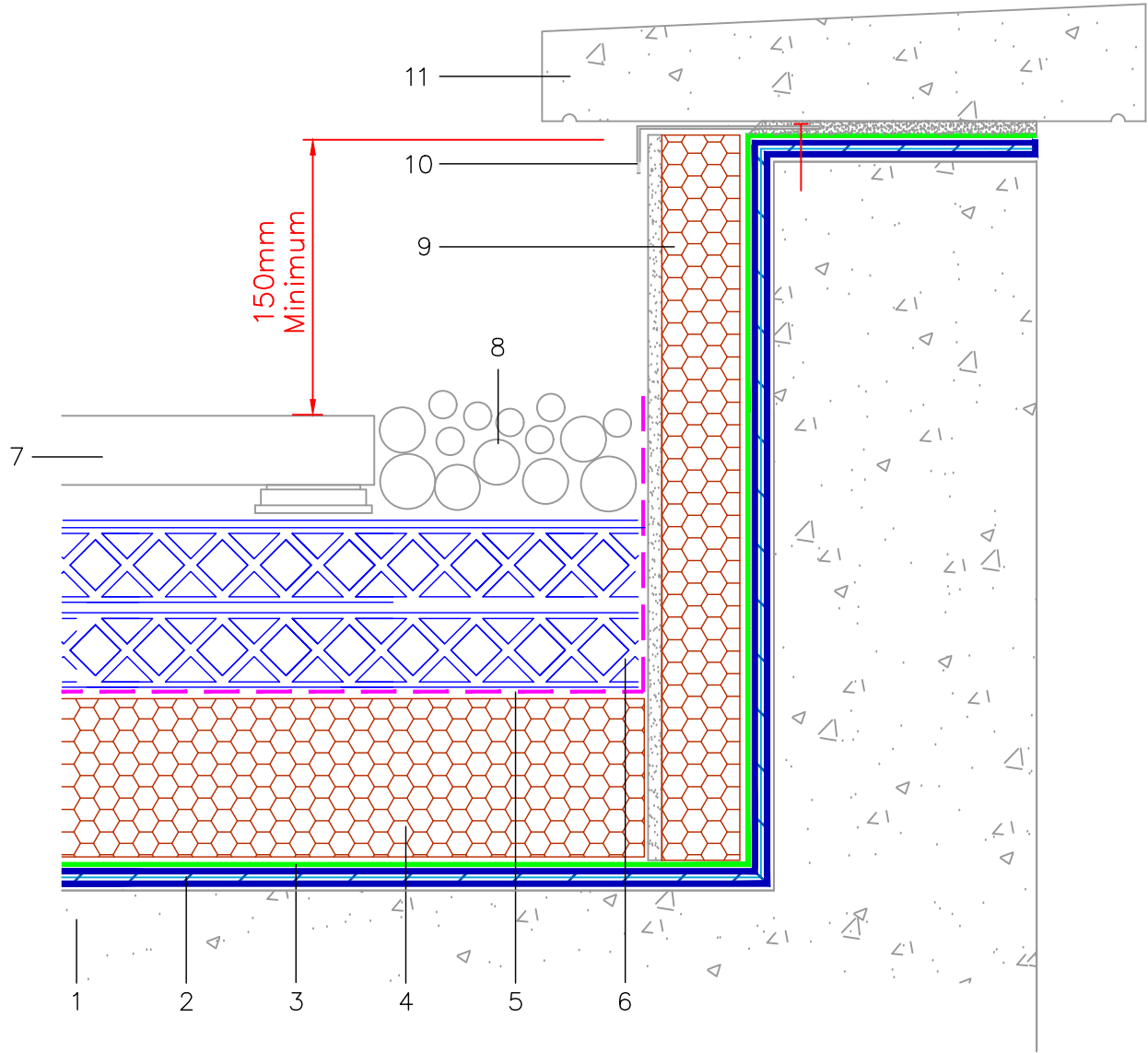
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STANDARD DETAIL

Drawing Title:
**BLUE ROOF
TYPICAL PARAPET WITH COPING**

Date: October 2024
Scale: NTS

Drawn by: ME
Revision:
Sheet No: PT.6BBLU



- SECTION KEY:
- | | |
|--|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 8. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 3. PERMAGUARD-F PROTECTION LAYER | 9. IKO ETHERM UPSTAND BOARD WITH CEMENTITIOUS FACING |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 10. METAL RETENTION CLIP |
| 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) | 11. COPING STONE |
| 6. BLUE ROOF VOID ATTENUATION LAYER | |

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m2 to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M2).

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Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.



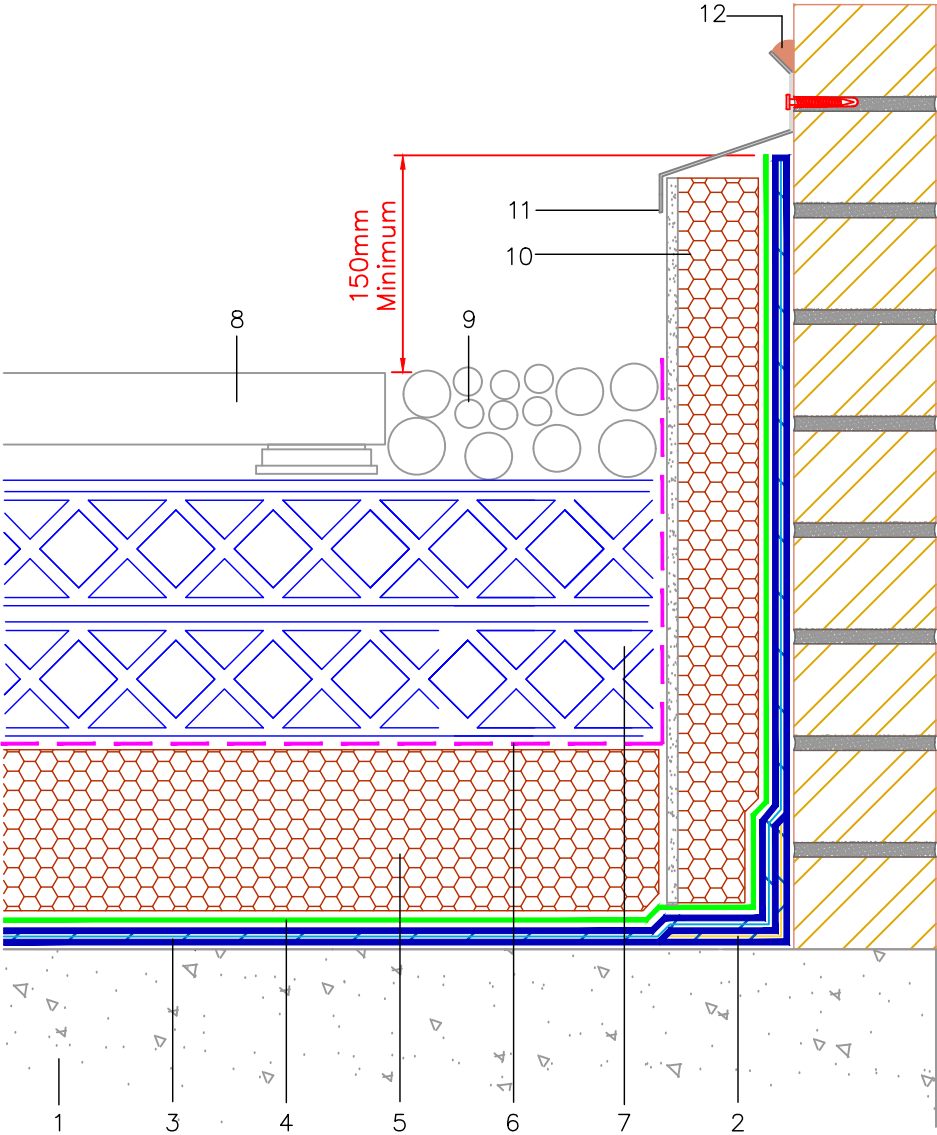
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STANDARD DETAIL

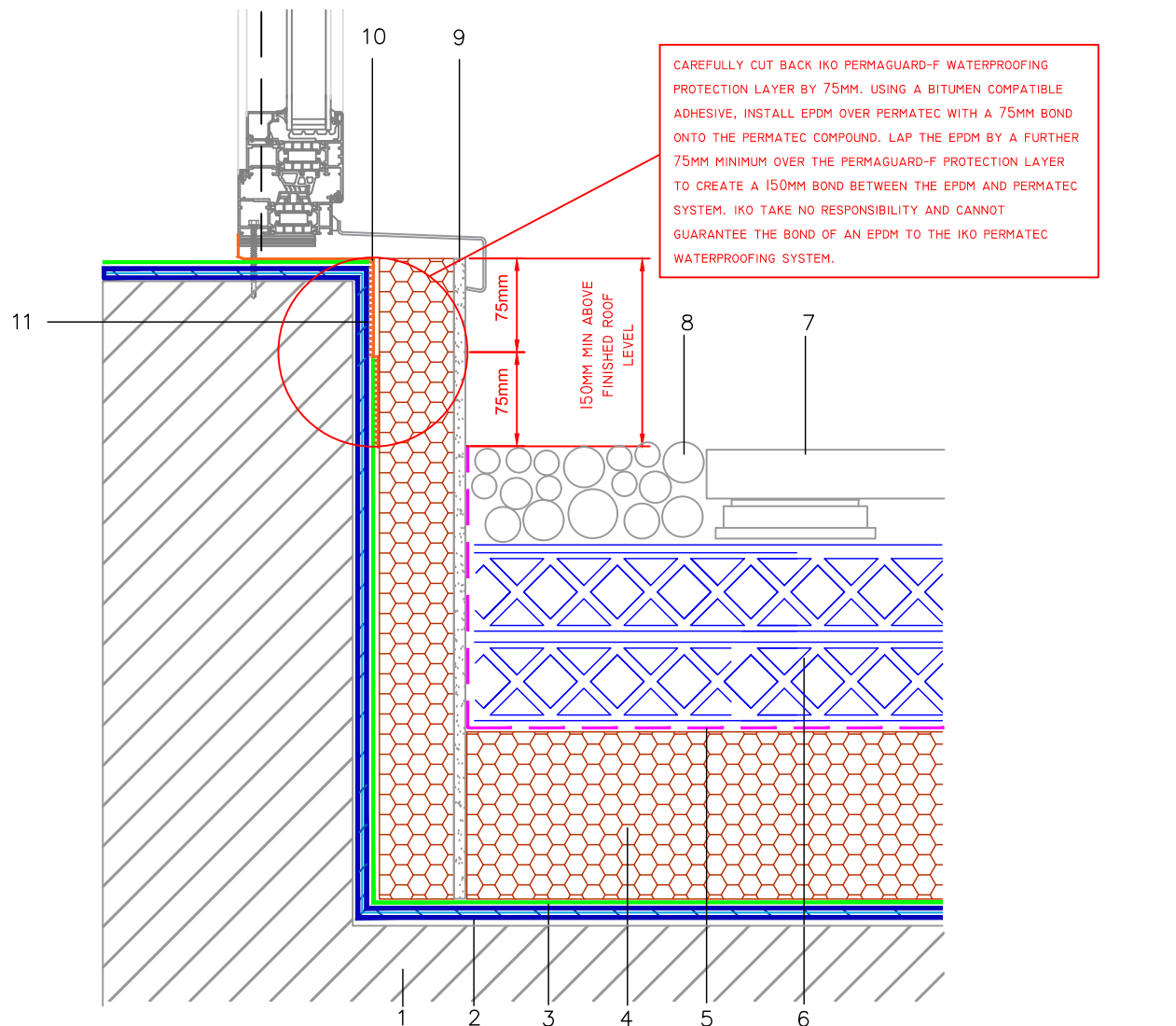
Drawing Title:

BLUE ROOF
TYPICAL INSULATED UPSTAND

Date: October 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.6CBLU	



SECTION KEY:	1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER	7. BLUE ROOF VOID ATTENUATION LAYER
	2. PERMAFLASH-DI50 DETAILING STRIP BONDED IN PERMATEC LI	8. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS
	3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT	9. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE
	4. PERMAGUARD-F PROTECTION LAYER	10. IKO ETHERM UPSTAND BOARD WITH CEMENTITIOUS FACING
	5. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD	11. METAL COVER FLASHING
	6. IKO ENERTHERM WCL (WATER CONTROL LAYER)	12. SEALANT



THIS DETAIL REQUIRES THE IKO PERMATEC WATERPROOFING TO BE SCHEDULED FOR INSTALLATION PRIOR TO ANY GLAZING

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Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M²).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

Note: Detail to illustrate lapping & waterproofing arrangements in relation to IKO specified roofing system. The client / Contractor is to confirm with relevant parties any limitations or restrictions of vertical application in relation to Building Regulations Approved Document B prior to works.

IKO permatec
Hot Melt Waterproofing System

TECHNICAL SERVICES
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MATLOCK, DERBYSHIRE. DE4 4BW
Tel: 01257 256888
Internet: www.ikogroup.co.uk
Email: gmtechnical@iko.com

STANDARD DETAIL

Drawing Title:

BLUE ROOF
TYPICAL CILL DETAIL

Date:

October 2024

Scale:

NTS

Drawn by:

ME

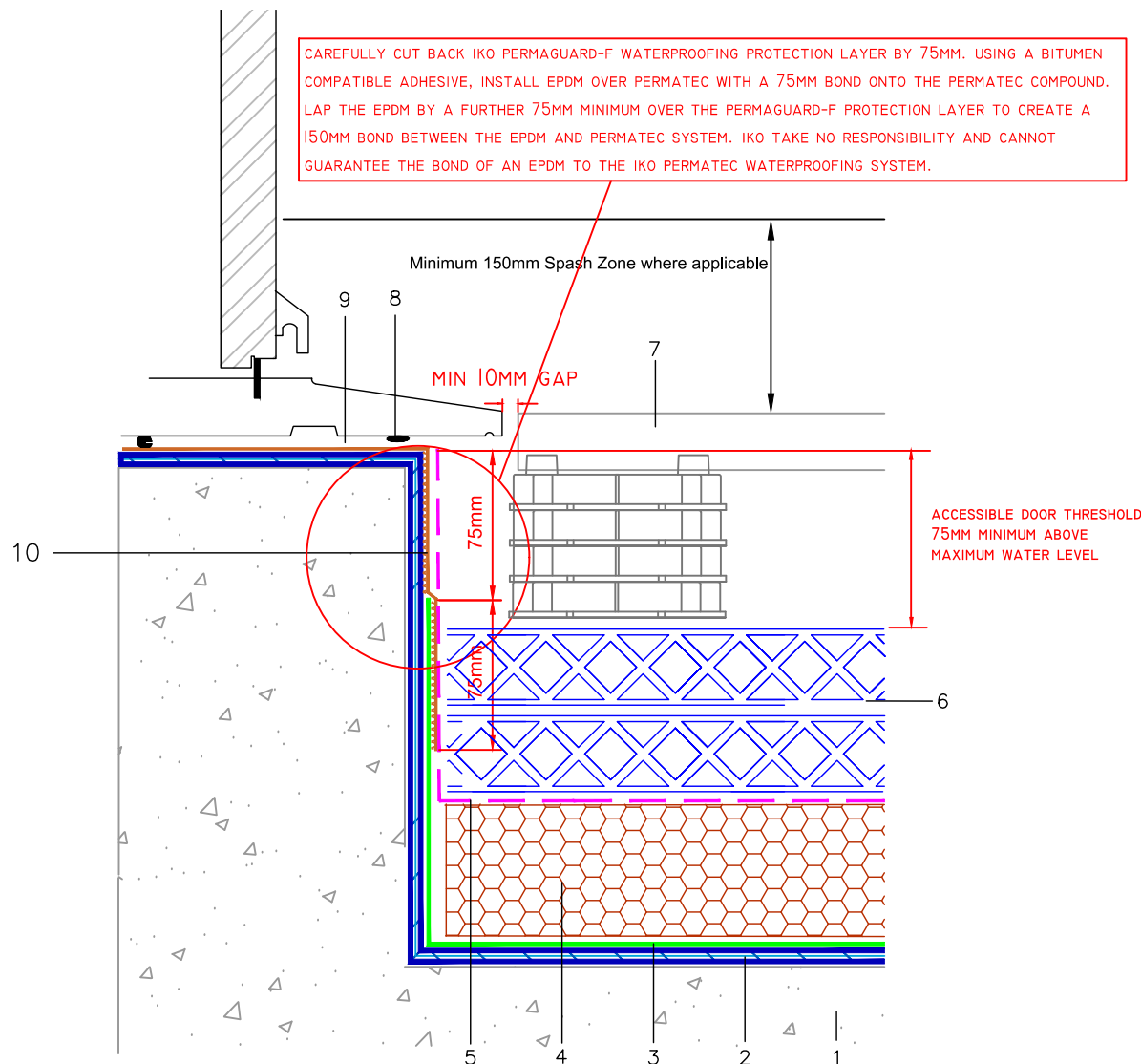
Revision:

Sheet No:

PT.6DBLU

SECTION KEY:

- | | |
|--|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 8. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 3. PERMAGUARD-F PROTECTION LAYER | 9. IKO ETHERM UPSTAND BOARD WITH CEMENTITIOUS FACING |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 10. EPDM LAPPED <u>OVER PERMATEC</u> WATERPROOFING SYSTEM BY OTHERS |
| 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) | 11. BITUMEN COMPATIBLE ADHESIVE |
| 6. BLUE ROOF VOID ATTENUATION LAYER | |



THIS DETAIL IS ACCEPTED BY NHBC AND BUILDING REGULATIONS FOR ACCESSIBLE DOOR THRESHOLDS ONLY. ALL OTHERS MUST FOLLOW CoP BS:6229 WATERPROOFING TO BE TAKEN TO A MINIMUM OF 150MM ABOVE FINISHED ROOF LEVEL. THIS DETAIL REQUIRES THE IKO PERMATEC WATERPROOFING TO BE SCHEDULED FOR INSTALLATION PRIOR TO ANY DOOR/GLAZING

BALCONY ACCESSIBLE THRESHOLD, UPSTAND AND DRAINAGE (CONCRETE DECK INVERTED ROOF)

Where door thresholds are situated that do not achieve an upstand height of 150mm above the finished waterproofing surface, such as when a level access threshold is required then the following features must be specified:

A door threshold with an upstand height of not more than 15mm.

The 15mm threshold is measured at the door position. additional sloping transition elements, such as a small internal ramp and external sill may be provided either side of the upstand.

door threshold with a minimum 45mm projecting sill and drip.

The sill should have a minimum 45mm overhang and drip to shed rainwater away from the interface between the waterproofing layer and the sill and to avoid reliance on exposed joint sealants and their limited design life.

A balcony upstand of minimum 75mm below the underside of the threshold.

For an inverted roof the drainage layer would be the top of the insulation and not the waterproofing layer below. If the 75mm requirement cannot be met then a proprietary drainage channel might be used but only strictly in accordance with the suppliers instructions.

A waterproofing layer deigned to prevent ponding and associated stagnant water.

Waterproofing layers at zero falls are acceptable only when laid in accordance with the relevant third party accreditation.

An effective drainage system and suitable overflow.

The drainage arrangement should ensure that if an outlet or downpipe becomes blocked it will not lead to flooding into the building by using one outlet and an overflow (not less than the capacity of the outlet) or two outlets connected to independent downpipes.

Drainage gaps between any decking or paving and at balcony perimeters.

Allow a minimum 10mm gap at the perimeter upstands and thresholds with 5 - 8mm gap between decking paving units. Spacers and supports to raised decking or paving should not obstruct the flow of rainwater to outlet(s). The position of outlets below beneath decking or paving should be clearly identifiable and accessible for maintenance.

Minimum 150mm splash zone above the decking or paving.

The design of the wall for minimum 150mm above decking or paving should ensure that any splashing off the decking or paving does not reach any part of the wall that could be adversely affected by the moisture. This may be achieved by the use of an impervious wall finish/cladding or an extension of the balcony waterproofing layer to form an upstand with cover flashing and cavity trays if required.

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Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:
BLUE ROOF
TYPICAL LEVEL ACCESS DOOR
THRESHOLD

Date: October 2024	Scale: NTS
Drawn by: ME	Revision: Sheet No: PT.6EBLU

SECTION KEY:	1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER	6. BLUE ROOF VOID ATTENUATION LAYER
	2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT	7. 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS
	3. PERMAGUARD-F PROTECTION LAYER	8. BITUMEN COMPATIBLE SEALANT
	4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD	9. EPDM LAPPED <u>OVER PERMATEC</u> WATERPROOFING SYSTEM AS SHOWN
	5. IKO ENERTHERM WCL (WATER CONTROL LAYER)	10. BITUMEN COMPATIBLE ADHESIVE

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m² to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M²).

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.

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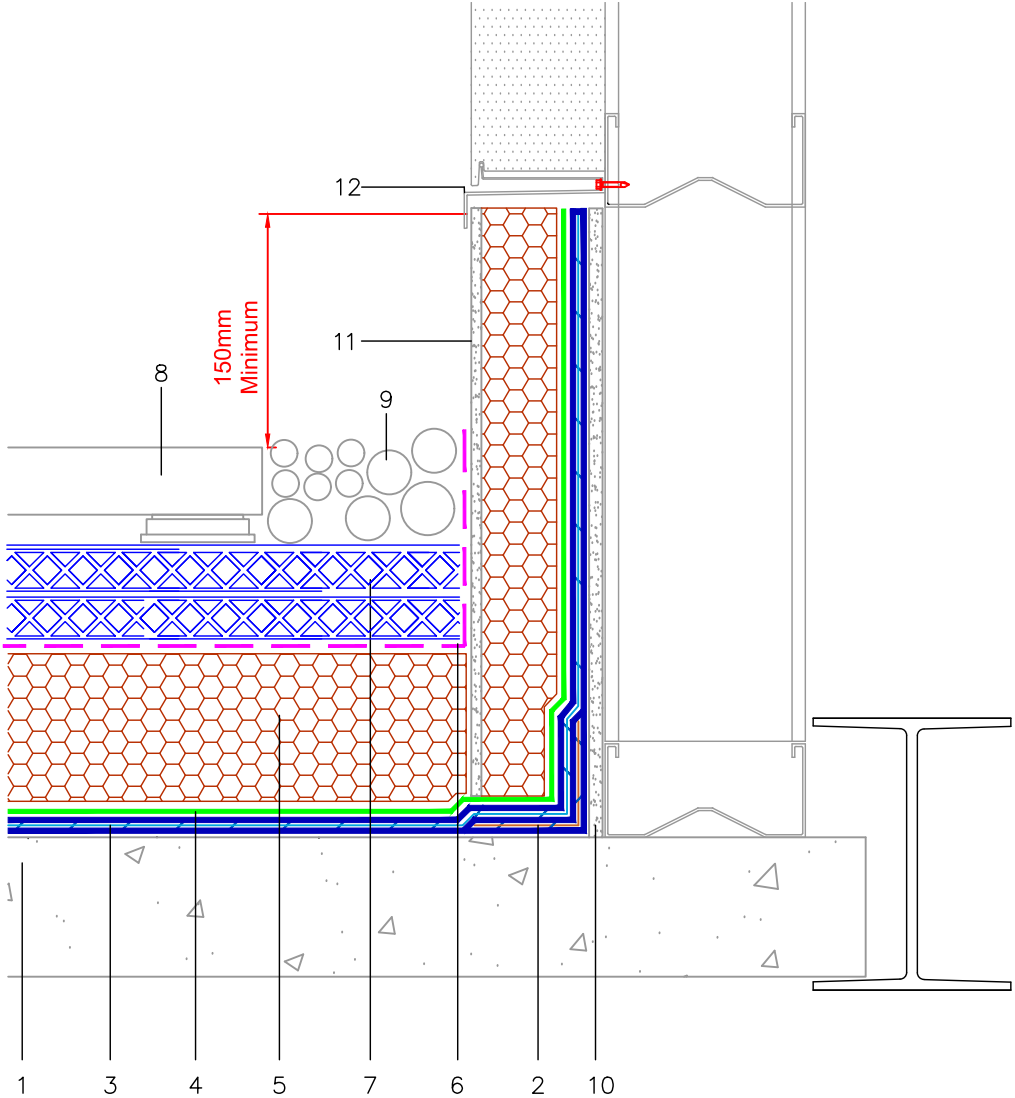
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STANDARD DETAIL

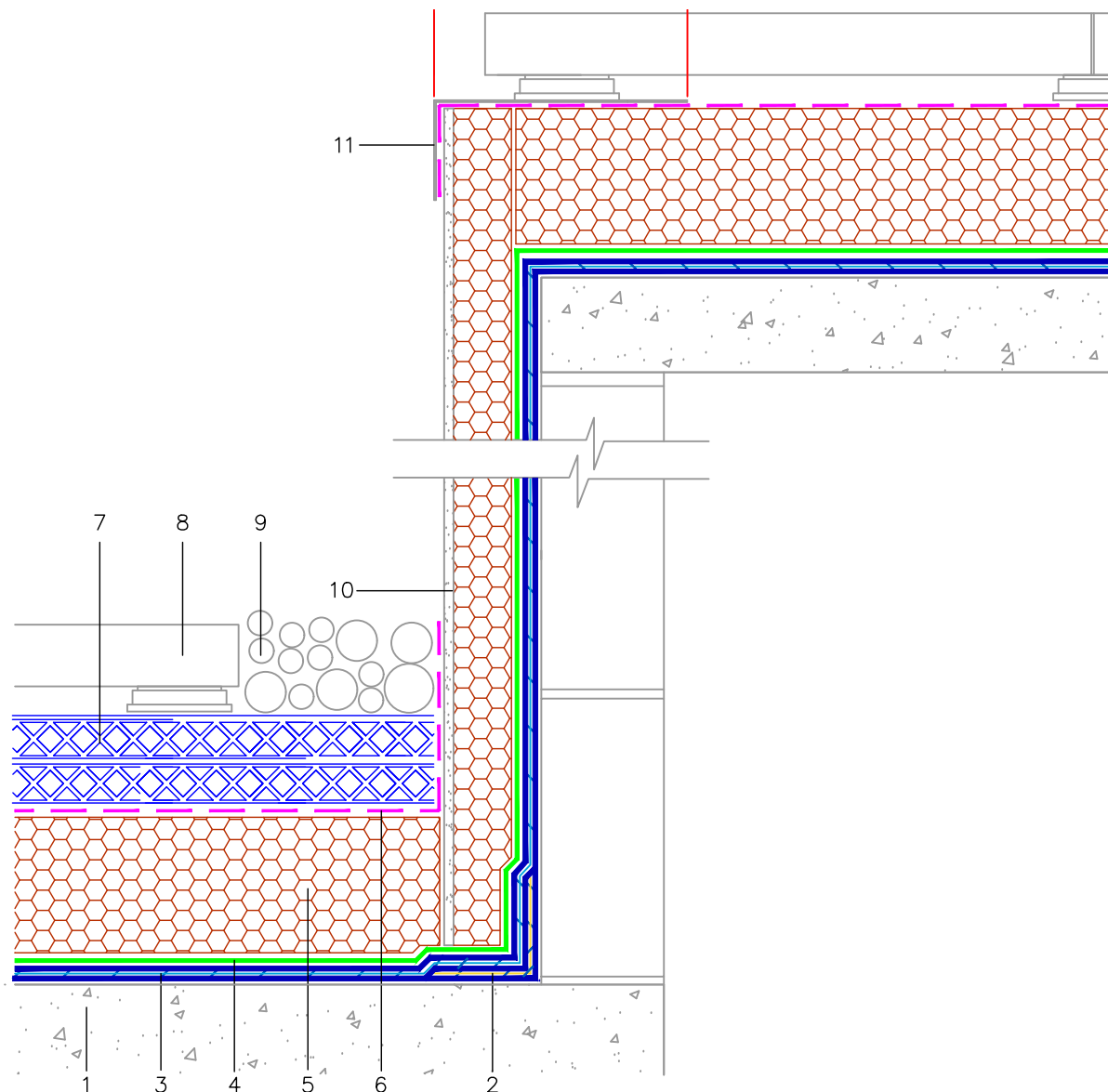
Drawing Title:
**BLUE ROOF-
TYPICAL UP-STAND
TO METSEC WALL**

Date: October 2024
Scale: NTS

Drawn by: ME
Revision:
Sheet No: PT.6GBLU



- SECTION KEY:
- | | |
|--|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. BLUE ROOF VOID ATTENUATION LAYER |
| 2. PERMAFLASH-DI50 DETAILING STRIP BONDED IN PERMATEC LI | 8. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 9. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 4. PERMAGUARD-F PROTECTION LAYER | 10. 12MM EXTERIOR GRADE CEMENT BONDED PARTICLE BOARD |
| 5. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 11. IKO ETHERM UPSTAND BOARD WITH CEMENTITIOUS FACING |
| 6. IKO ENERTHERM WCL (WATER CONTROL LAYER) | 12. METAL COVER FLASHING, INSULATION RETENTION CLIP |



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Wind Uplift

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Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:
BLUE ROOF-
TYPICAL INSULATED
CHANGE IN LEVEL

Date: October 2024		Scale: NTS	
Drawn by: ME	Revision:		Sheet No: PT.6HBLU

SECTION KEY:	1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER	7. BLUE ROOF VOID ATTENUATION LAYER
	2. PERMAFLASH-D150 DETAILING STRIP BONDED IN PERMATEC LI	8. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS
	3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT	9. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE
	4. PERMAGUARD-F PROTECTION LAYER	10. IKO ETHERM UPSTAND BOARD WITH CEMENTITIOUS FACING
	5. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD	11. CORROSIVE RESISTANT METAL FLASHING
	6. IKO ENERTHERM WCL (WATER CONTROL LAYER)	

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m2 to resist wind uplift is required.

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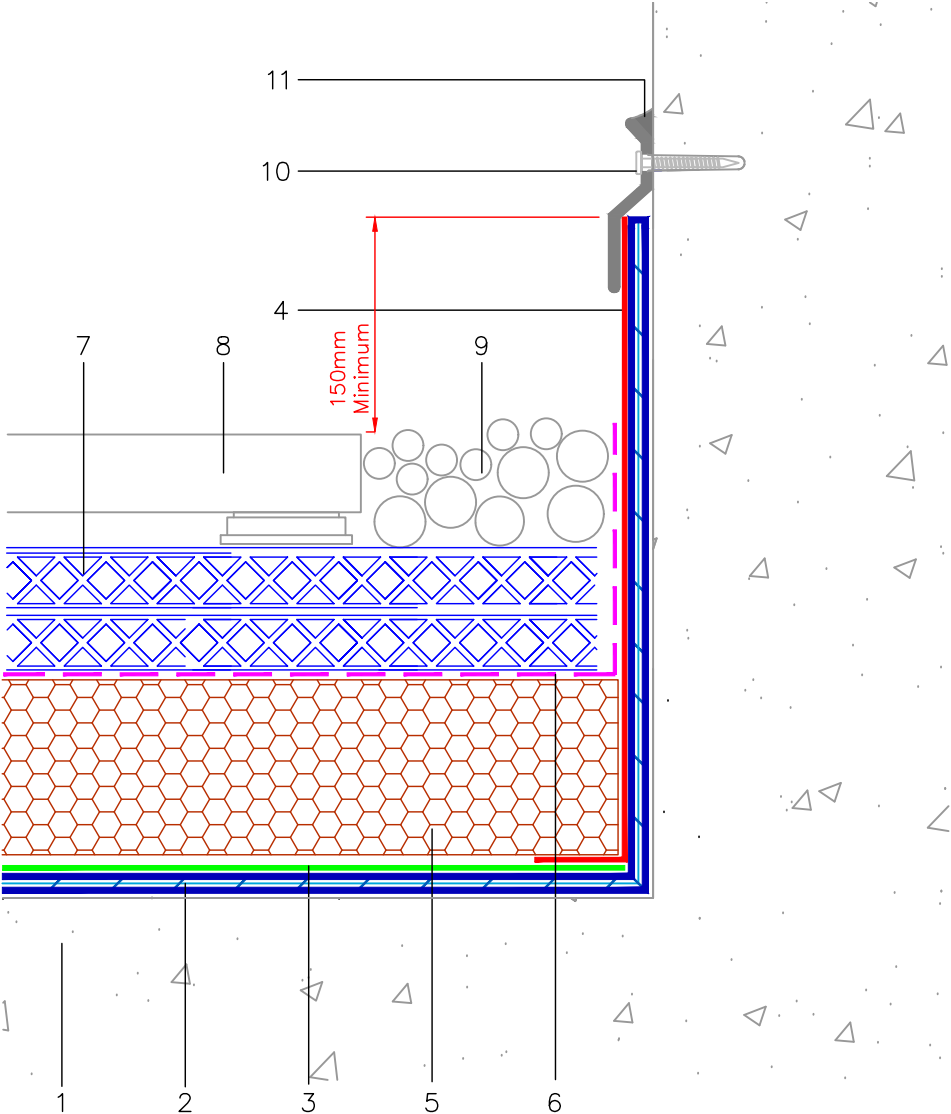
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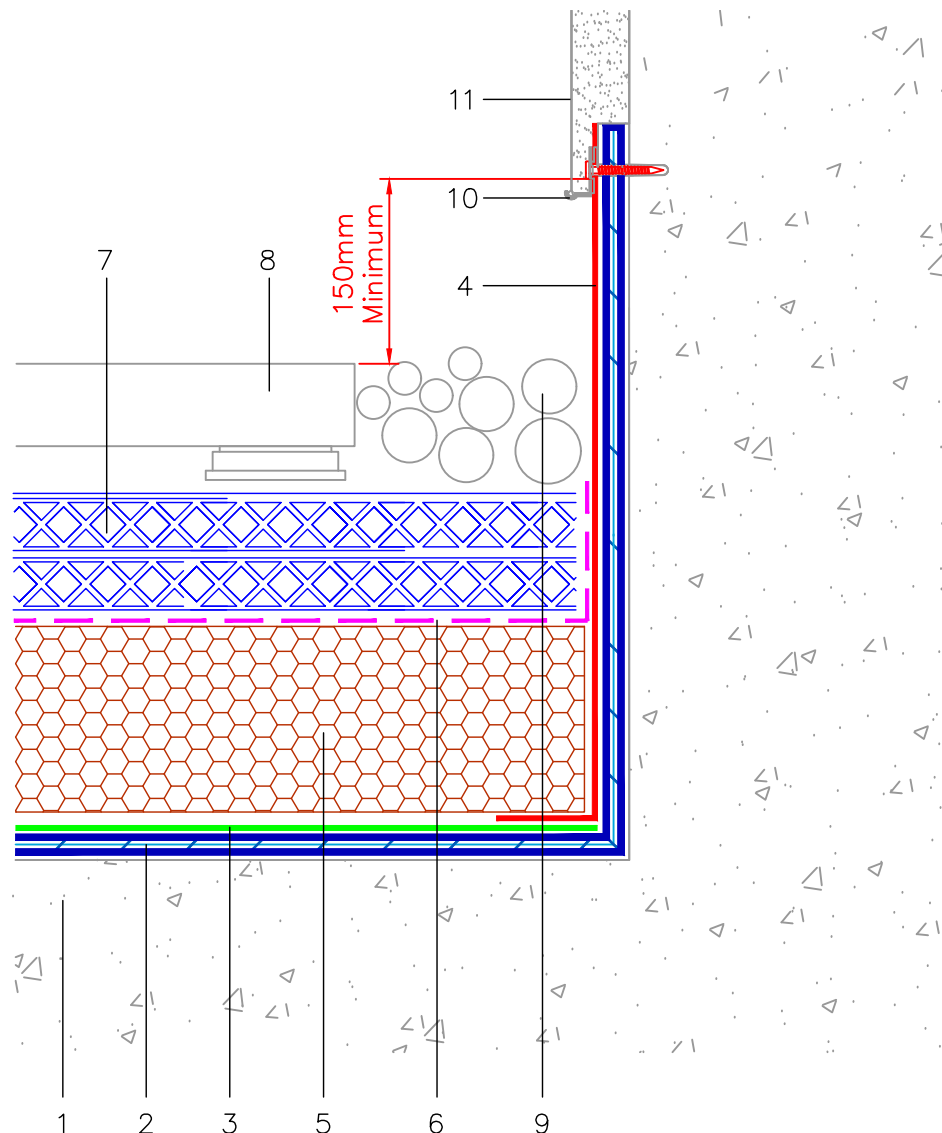
Drawing Title:
BLUE ROOF
TYPICAL UN-INSULATED UP-STAND
WITH TERMINATION BAR

Date:	Scale:
October 2024	NTS

Drawn by:	Revision:	Sheet No:
ME		PT.6IBLU



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|--------------|--|--|
| SECTION KEY: | I. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. BLUE ROOF VOID ATTENUATION LAYER |
| | 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 8. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| | 3. PERMAGUARD-F PROTECTION LAYER | 9. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| | 4. PERMAGUARD-M PROTECTION LAYER (MINERAL FACED, USED FOR EXPOSED AREAS) | 10. TERMINATION BAR WITH FIXING |
| | 5. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | II. SEALANT |
| | 6. IKO ENERTHERM WCL (WATER CONTROL LAYER) | |



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IKO permatec
Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:

BLUE ROOF
TYPICAL RENDERED
UP-STAND

Date:

October 2024

Scale:

NTS

Drawn by:

ME

Revision:

Sheet No:

PT.6JBLU

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|---|--|
| <p>SECTION KEY:</p> <ol style="list-style-type: none"> 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT 3. PERMAGUARD-F PROTECTION LAYER 4. PERMAGUARD-M PROTECTION LAYER (MINERAL FACED, USED FOR EXPOSED AREAS) 5. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD 6. IKO ENERTHERM WCL (WATER CONTROL LAYER) | <ol style="list-style-type: none"> 7. BLUE ROOF VOID ATTENUATION LAYER 8. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS 9. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE 10. RENDER STOP BEAD 11. SURFACE RENDER |
|---|--|

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STANDARD DETAIL

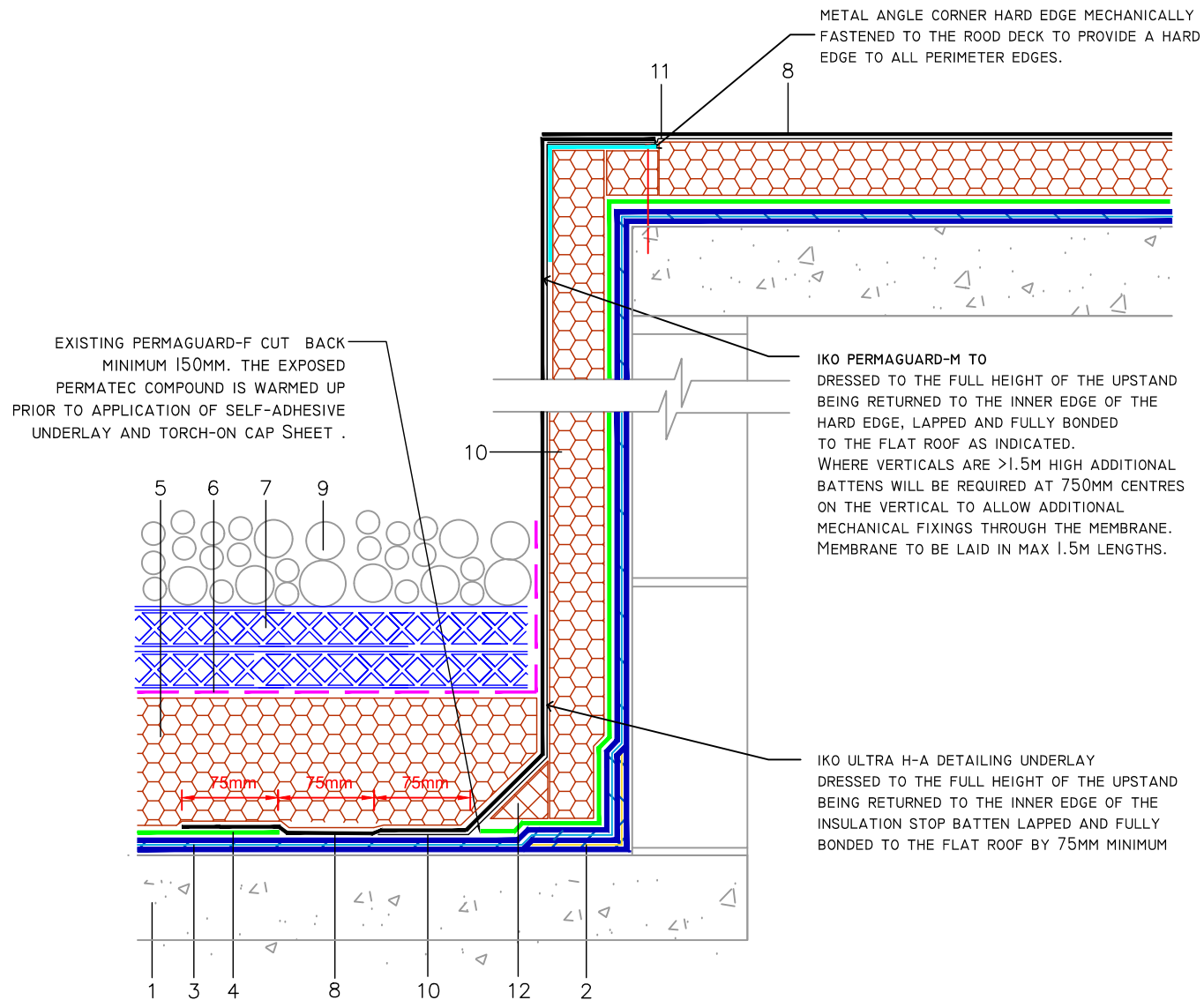
Drawing Title:

BLUE ROOF
TYPICAL WARM ROOF LIFT OVERRUN
JOIN TO WARM ROOF BUR

Date: October 2024

Scale: NTS

Drawn by: ME	Revision:	Sheet No: PT.6MBLU
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SECTION KEY:

- | | |
|--|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. BLUE ROOF VOID ATTENUATION LAYER |
| 2. PERMAFLASH-DI50 DETAILING STRIP BONDED IN PERMATEC LI | 8. IKO PERMAGUARD-M T-O |
| 3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 9. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 4. PERMAGUARD-F PROTECTION LAYER | 10. IKO ENERTHERM GOLD INSULATION BOARD/IKO MW ALLFIX INSULATION |
| 5. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 11. IKO ULTRA H-A DETAILING UNDERLAY |
| 6. IKO ENERTHERM WCL (WATER CONTROL LAYER) | 12. IKO ALU ANGLE FILLET/IKO MW ALLFIX ANGLE FILLET |

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STANDARD DETAIL

Drawing Title:

BLUE ROOF
TYPICAL PERMATEC TO BUR PARAPET

Date:

October 2024

Scale:

NTS

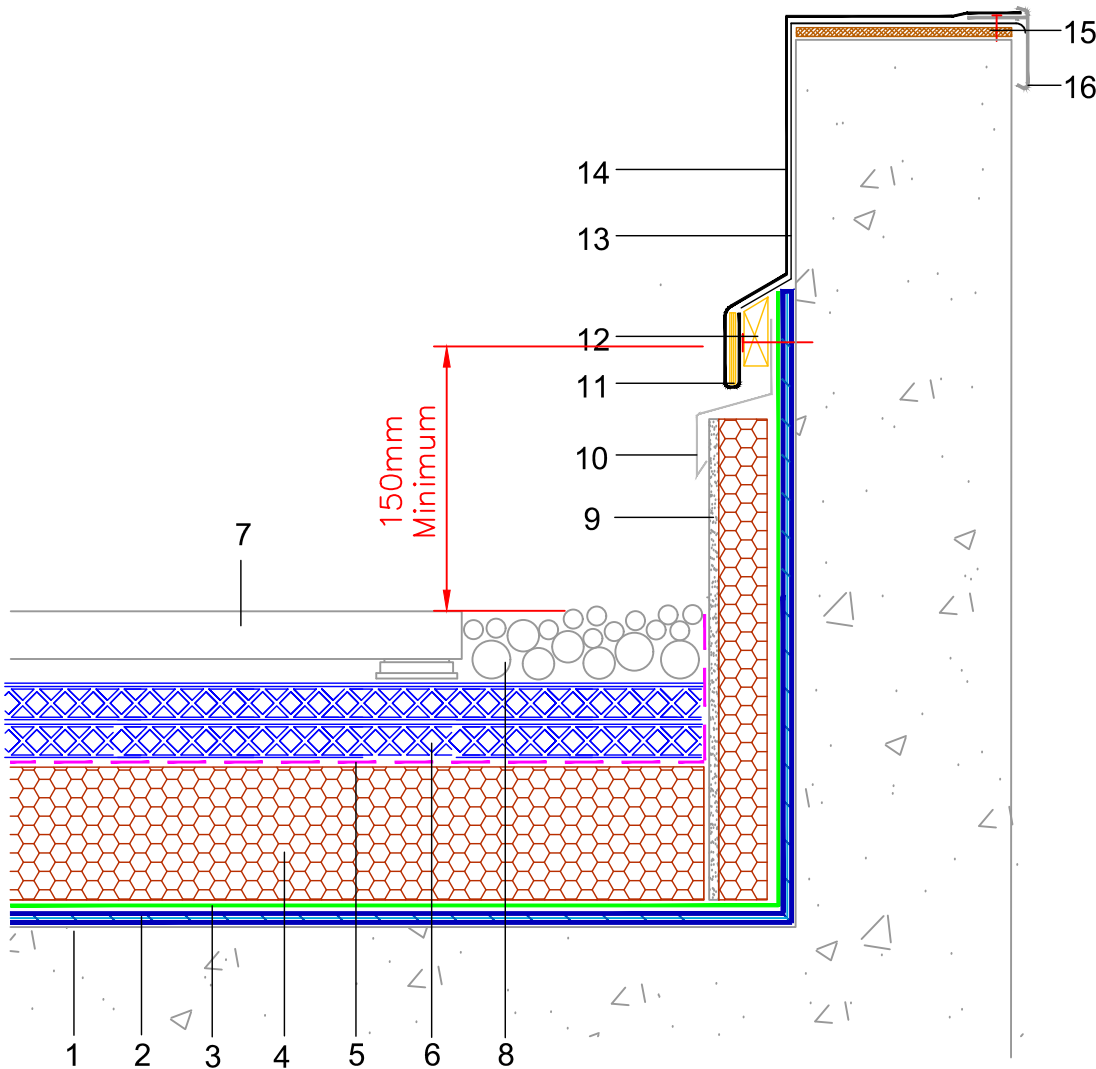
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Revision:

Sheet No:

PT.7ABLU



- SECTION KEY:
1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER
 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT
 3. PERMAGUARD-F PROTECTION LAYER
 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD
 5. IKO ENERTHERM WCL (WATER CONTROL LAYER)
 6. BLUE ROOF VOID ATTENUATION LAYER
 7. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS
 8. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE

9. IKO ETHERM UPSTAND BOARD WITH CEMENTITIOUS FACING
10. FLASHING
11. 6MM THICK PLYWOOD DRIP FORMER
12. TIMBER DRIP BATTEN
13. IKO ULTRA H-A DETAILING UNDERLAY
14. IKO PERMAGUARD-M TO
15. TIMBER CAPPING
16. IKO GRP TRIM

Wind Uplift

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Hot Melt Waterproofing System

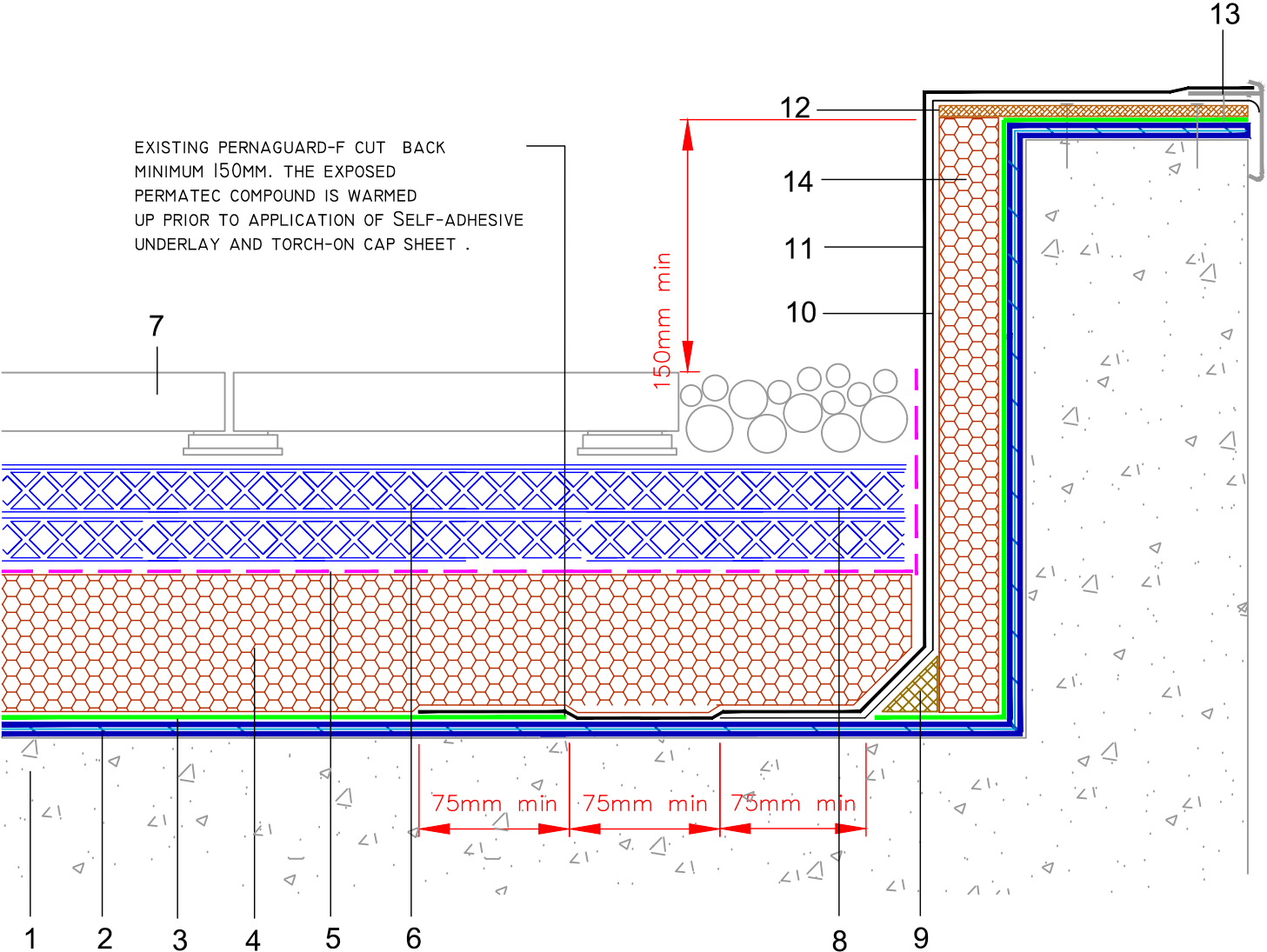
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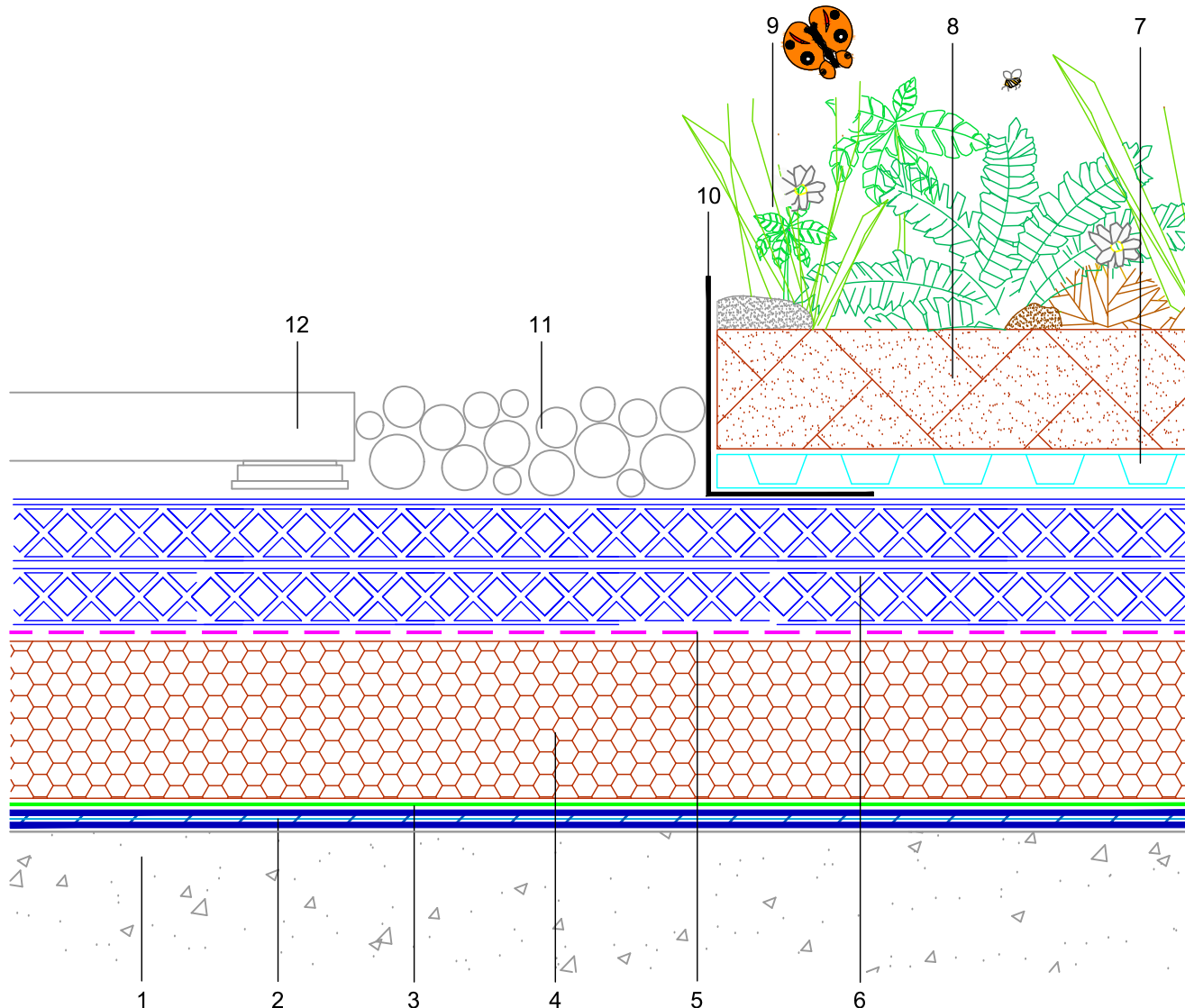
BLUE ROOF
TYPICAL WARM BUR PARAPET

Date:	Scale:	
October 2024	NTS	
Drawn by:	Revision:	Sheet No:
ME		PT.7BBLU



EXISTING PERMAGUARD-F CUT BACK
MINIMUM 150MM. THE EXPOSED
PERMATEC COMPOUND IS WARMED
UP PRIOR TO APPLICATION OF SELF-ADHESIVE
UNDERLAY AND TORCH-ON CAP SHEET .

- SECTION KEY:
- | | |
|--|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 8. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 9. IKO ALU ANGLE FILLET/IKO MW ALLFIX ANGLE FILLET |
| 3. PERMAGUARD-F PROTECTION LAYER | 10. IKO ULTRA H-A DETAILING UNDERLAY |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 11. IKO PERMAGUARD-M TO |
| 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) | 12. WBP PLYWOOD |
| 6. BLUE ROOF VOID ATTENUATION LAYER | 13. IKO GRP TRIM |
| 7. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS | 14. IKO ENERTHERM GOLD INSULATION/IKO MW ALLFIX INSULATION |



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This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M²).

For a green roof the growing medium dry weight must be used in order to achieve the minimum 80Kg/m² load.

On buildings up to 15 storeys, the build-up above can still be used, but the perimeter must be loaded with paving slabs determined by reference to BS EN 1991-1-2: 2002. For other exposure conditions or tall buildings, specialist advice should be sought.



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STANDARD DETAIL

Drawing Title:
BLUE ROOF
TYPICAL BIODIVERSE/PAVING
INTERFACE

Date:		Scale:	
October 2024		NTS	
Drawn by:	Revision:	Sheet No:	
ME		PT.8ABLU	

- SECTION KEY:
- | | |
|--|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. IKO PLASFEED DRAINAGE/MOISTURE RETENTION LAYER |
| 2. TWO COATS OF PERMATEC LI ANTI-ROOT INCORPORATING PERMAFLASH-R REINFORCEMENT | 8. IKO BIODIVERSE GROWING MEDIUM TO SPECIFIED DEPTH |
| 3. PERMAGUARD - F PROTECTION LAYER | 9. IKO VEGETATION AS SPECIFIED |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 10. PERFORATED RETENTION STRIP |
| 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) | 11. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 6. BLUE ROOF VOID ATTENUATION LAYER | 12. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |

Wind Uplift

For buildings in sheltered regions or less than 10 storeys. A minimum load of 80Kg/m2 to resist wind uplift is required.

This can be achieved with 50mm depth of 20 - 40mm washed rounded ballast or 40mm thick concrete slabs (98Kg/M2).

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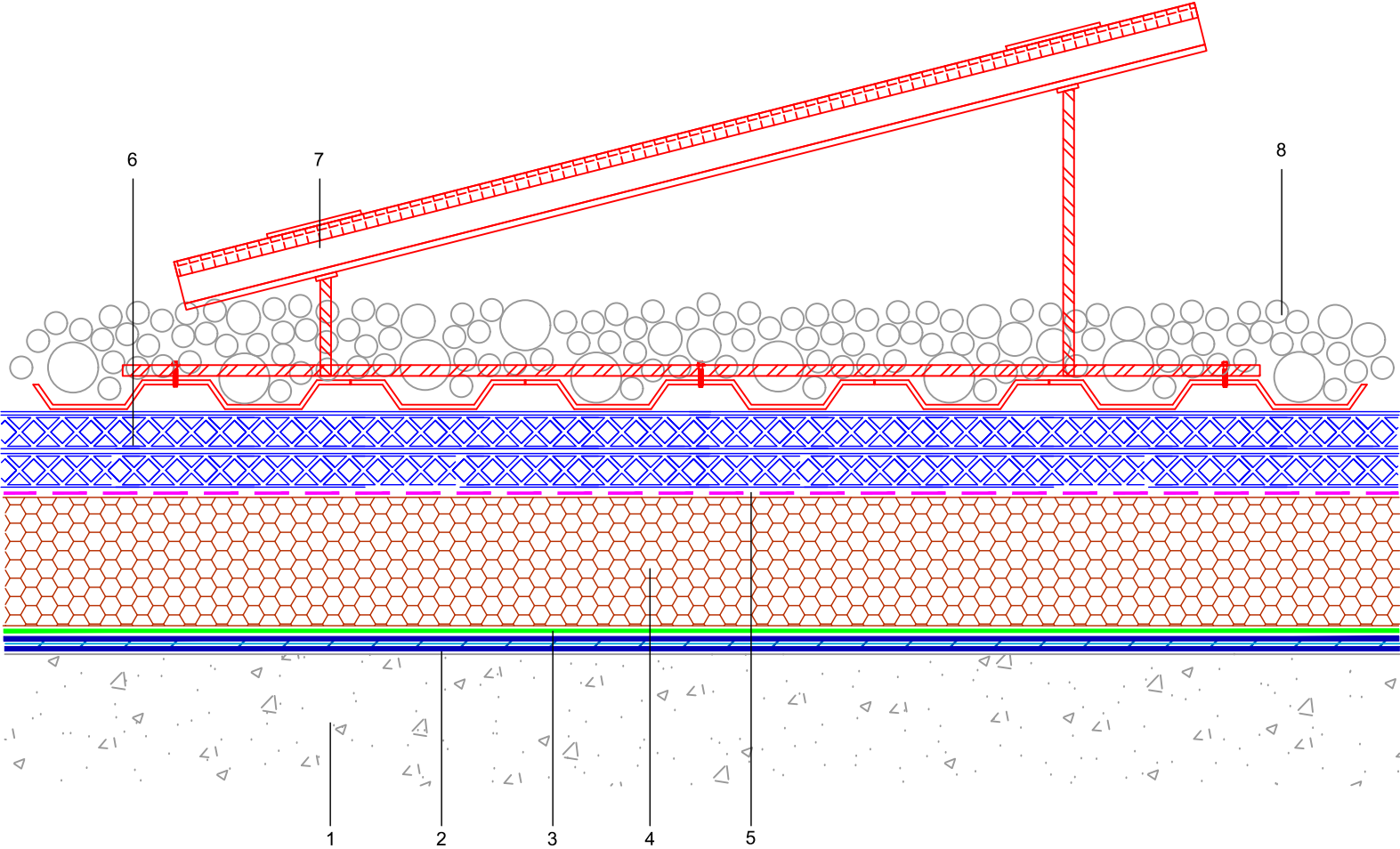


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STANDARD DETAIL

Drawing Title:
BLUE ROOF
TYPICAL INVERTED ROOF
WITH PV PANEL

Date: October 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.8BBLU	



SECTION KEY:	1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER	5. IKO ENERTHERM WCL (WATER CONTROL LAYER)
	2. TWO COATS OF PERMATEC LI OR LI ANTI-ROOT INCORPORATING PERMAFLASH-R REINFORCEMENT	6. BLUE ROOF VOID ATTENUATION LAYER
	3. PERMAGUARD-F PROTECTION LAYER	7. PV PANNEL ASSEMBLY
	4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD	8. MINIMUM 50MM LAYER OF 20 - 40MM ROUNDED WASHED AGGREGATE OR GREEN ROOF SYSTEM



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