



STANDARD PERMATEC LI
DETAILS PACK 2024

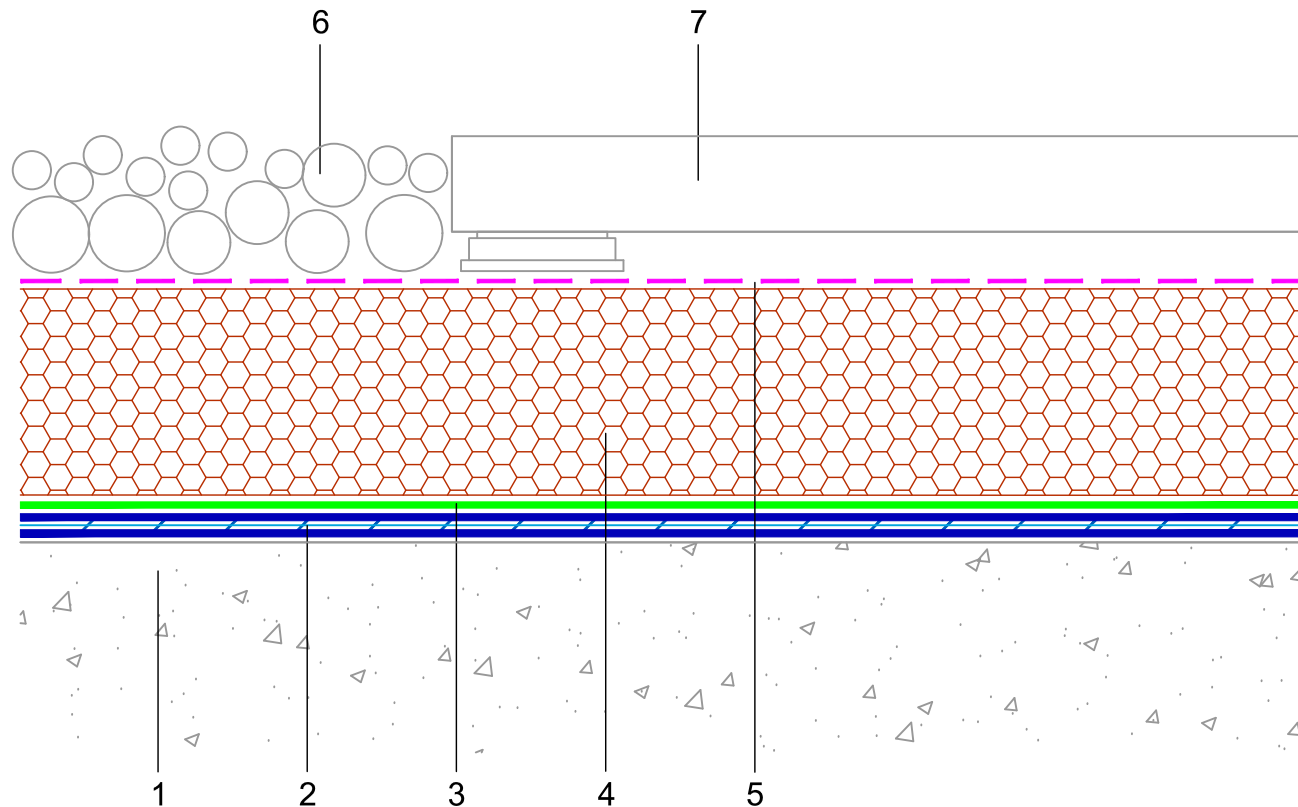
IKOGROUP.CO.UK

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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

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STANDARD DETAIL

Drawing Title:

TYPICAL INVERTED DECK

Date:

March 2024

Scale:

NTS

Drawn by:

ME

Revision:

Sheet No:

PT.1A

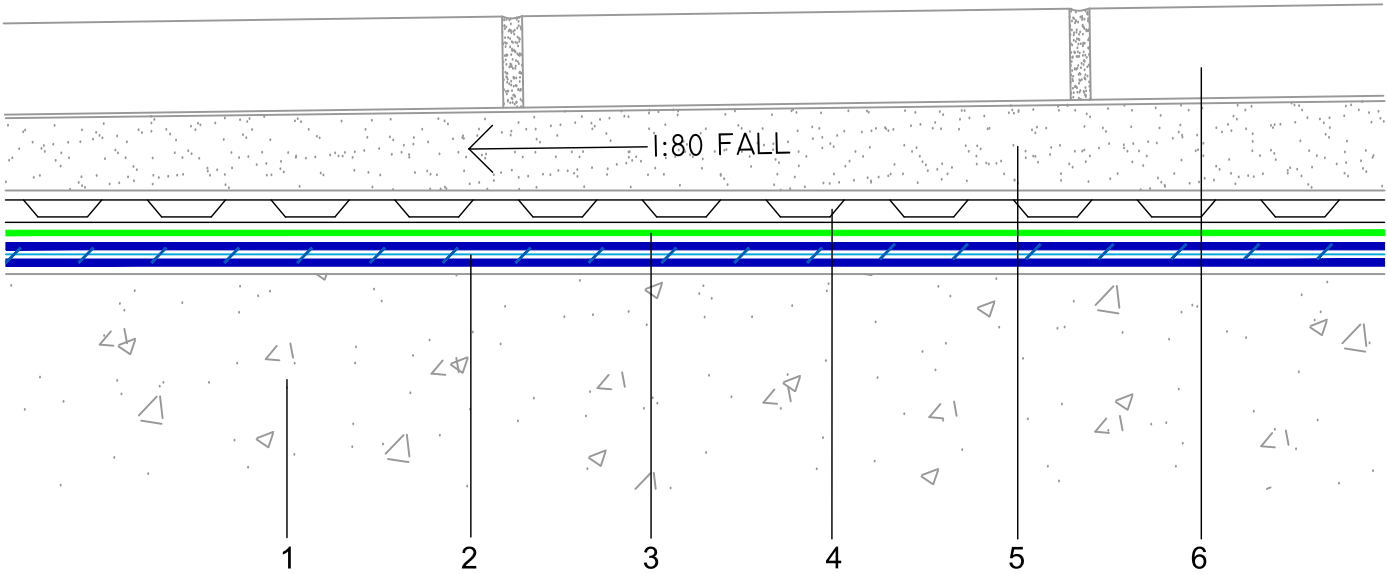
SECTION KEY:

- | | |
|--|--|
| 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. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 3. PERMAGUARD-F PROTECTION LAYER | 7. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD. | |

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TO AVOID STANDING WATER, A MINIMUM FINISHED DRAINAGE FALL OF 1 IN 80 SHOULD BE ACHIEVED.



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STANDARD DETAIL

Drawing Title:

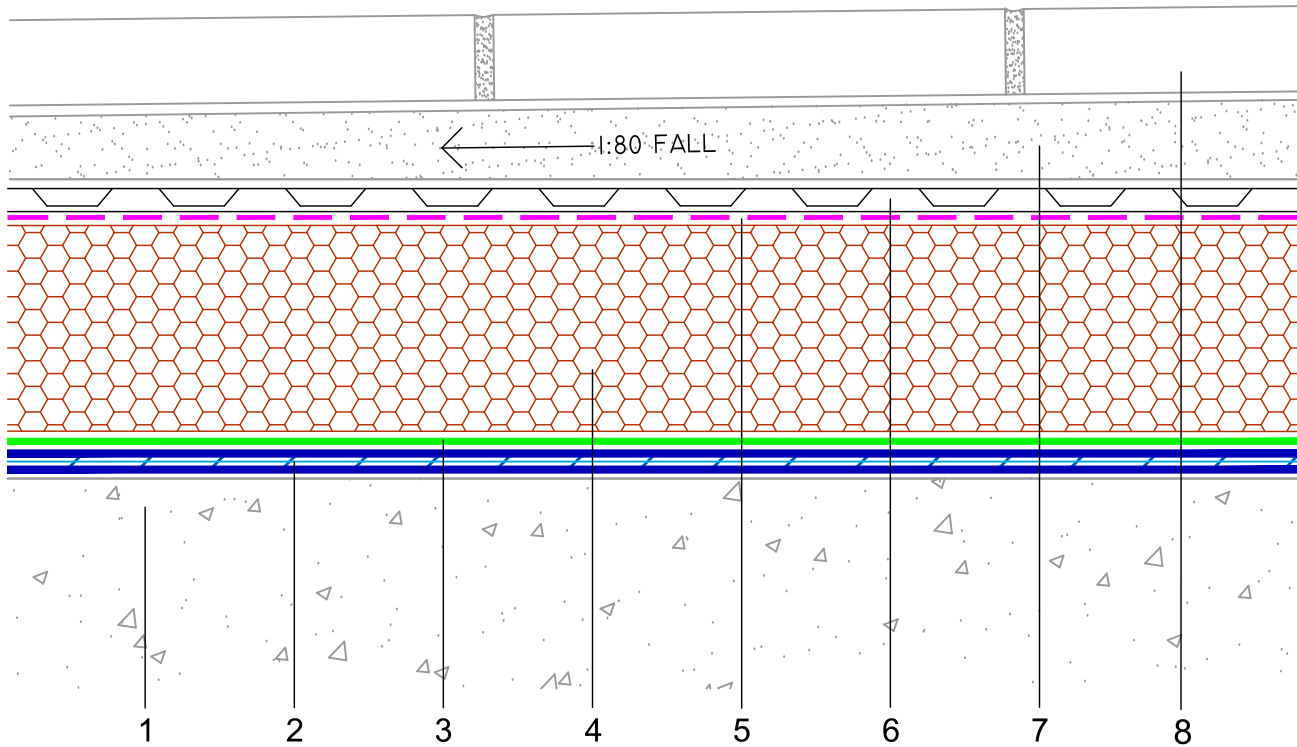
TYPICAL UN-INSULATED PODIUM DECK

SECTION KEY:

- | | |
|--|-------------------------------------|
| 1. CONCRETE DECK PRIMED WITH PERMAREC PRIMER | 5. SAND/CEMENT OR GRANULAR SUB-BASE |
| 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 6. BLOCK PAVING/CONCRETE SLABS |
| 3. PERMAGUARD-F PROTECTION LAYER | |
| 4. IKO PLASDRAIN DRAINAGE LAYER | |

Date: March 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.1B(A)	

TO AVOID STANDING WATER, A MINIMUM FINISHED DRAINAGE FALL OF 1 IN 80 SHOULD BE ACHIEVED.



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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

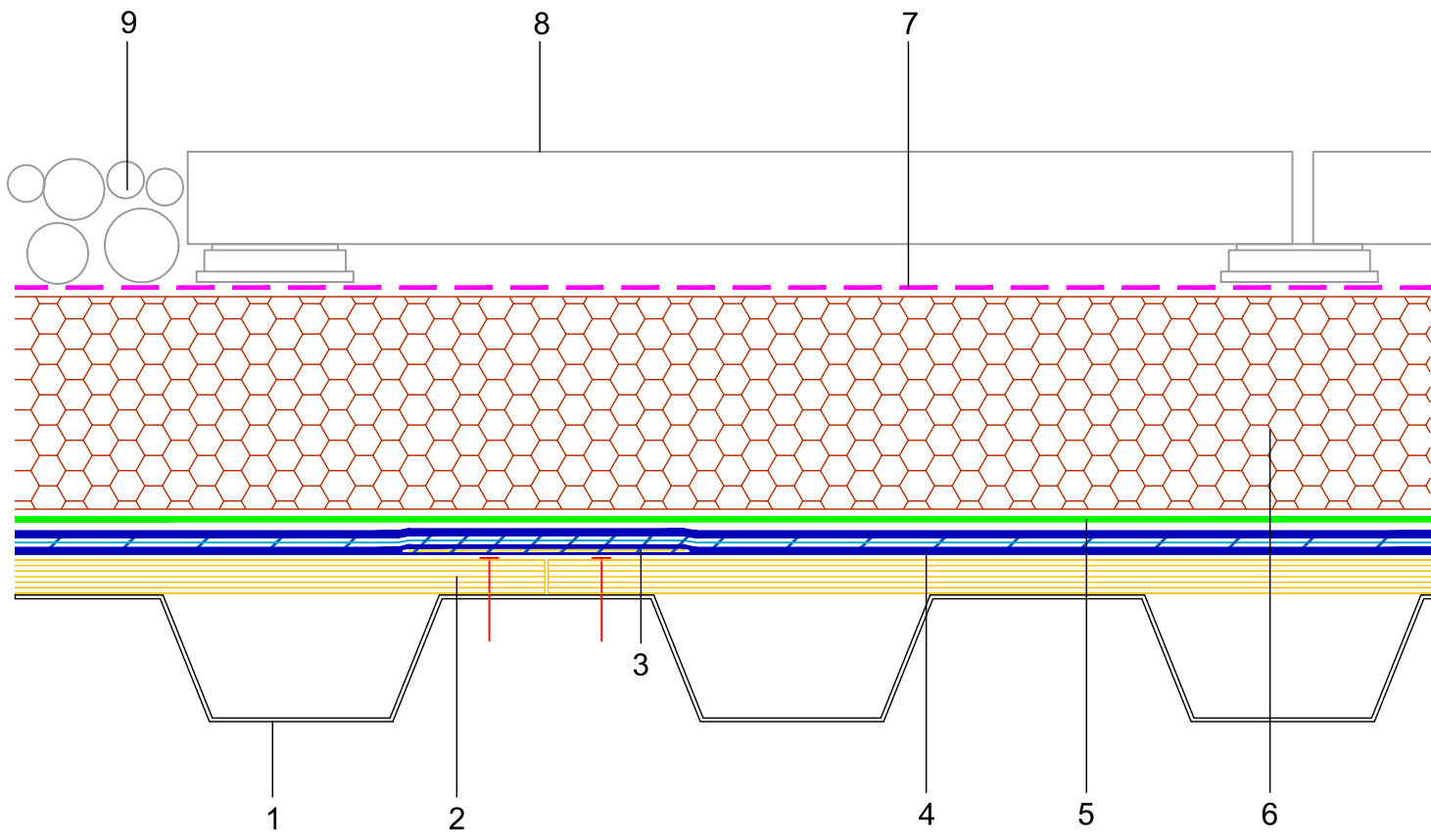
Drawing Title:

TYPICAL INSULATED PODIUM DECK

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. IKO PLASDRAIN DRAINAGE LAYER |
| 3. PERMAGUARD-F PROTECTION LAYER | 7. SAND/CEMENT OR GRANULAR SUB-BASE |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD. | 8. BLOCK PAVING/CONCRETE SLABS |

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March 2024		NTS	
Drawn by:	Revision:	Sheet No:	
ME		PT.1B(B)	



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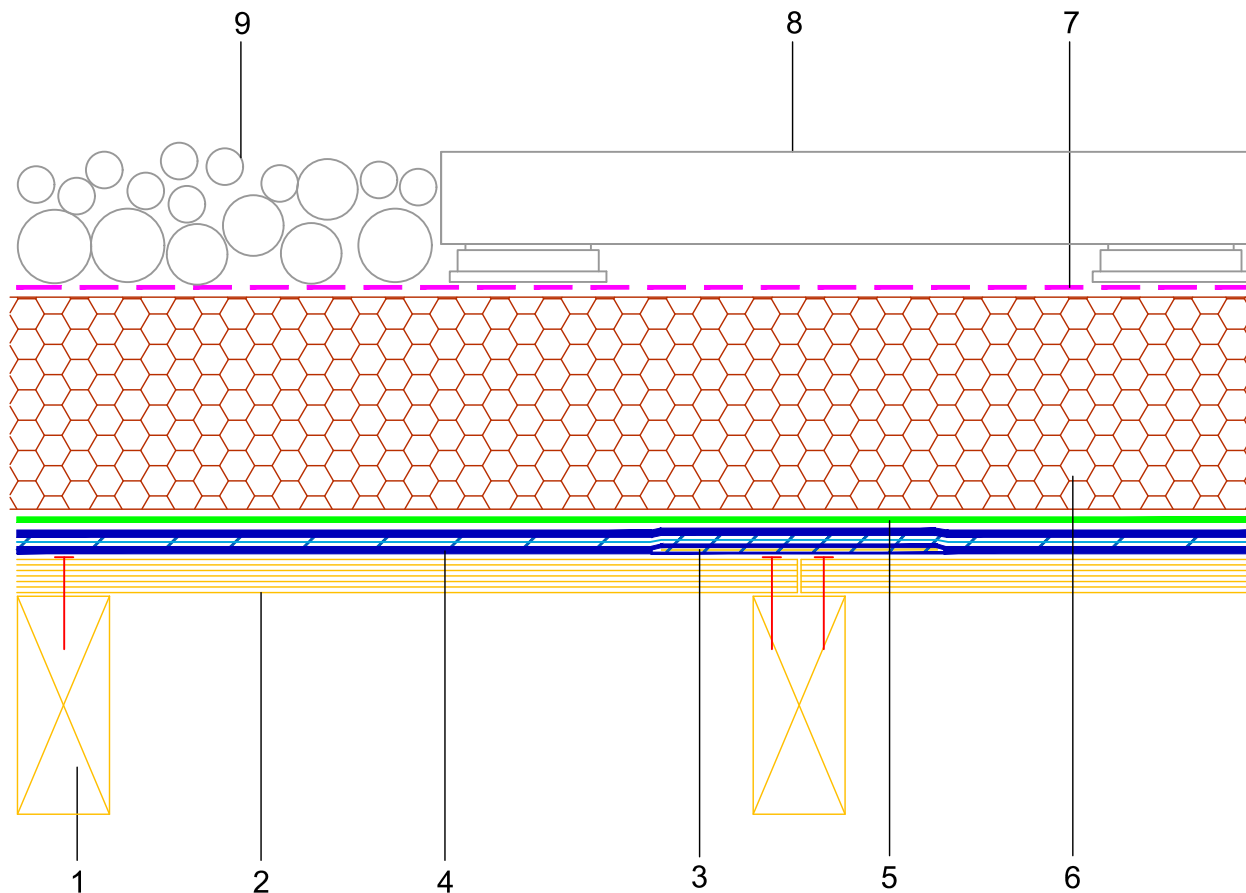
STANDARD DETAIL

Drawing Title:
TYPICAL INVERTED ROOF
ASSEMBLY METAL DECK

SECTION KEY:

- | | |
|--|--|
| 1. STRUCTURAL METAL DECK | 5. PERMAGUARD-F PROTECTION LAYER |
| 2. MINIMUM 18MM EXTERIOR GRADE- PLYWOOD, OSB TYPE 3 OR EXTERIOR CEMENT PARTICLE BOARD MECHANICALLY FIXED TO DECK | 6. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD |
| 3. PERMAFLASH-DI50 BONDED IN PERMATEC ECOWRAP | 7. IKO ENERTHERM WCL (WATER CONTROL LAYER) |
| 4. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 8. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| | 9. MINIMUM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |

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



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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 INVERTED ROOF
ASSEMBLY PLYWOOD DECK

Date:

March 2024

Scale:

NTS

Drawn by:

ME

Revision:

Sheet No:

PT.1D

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. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS

9. MINIMUM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE

Wind Uplift

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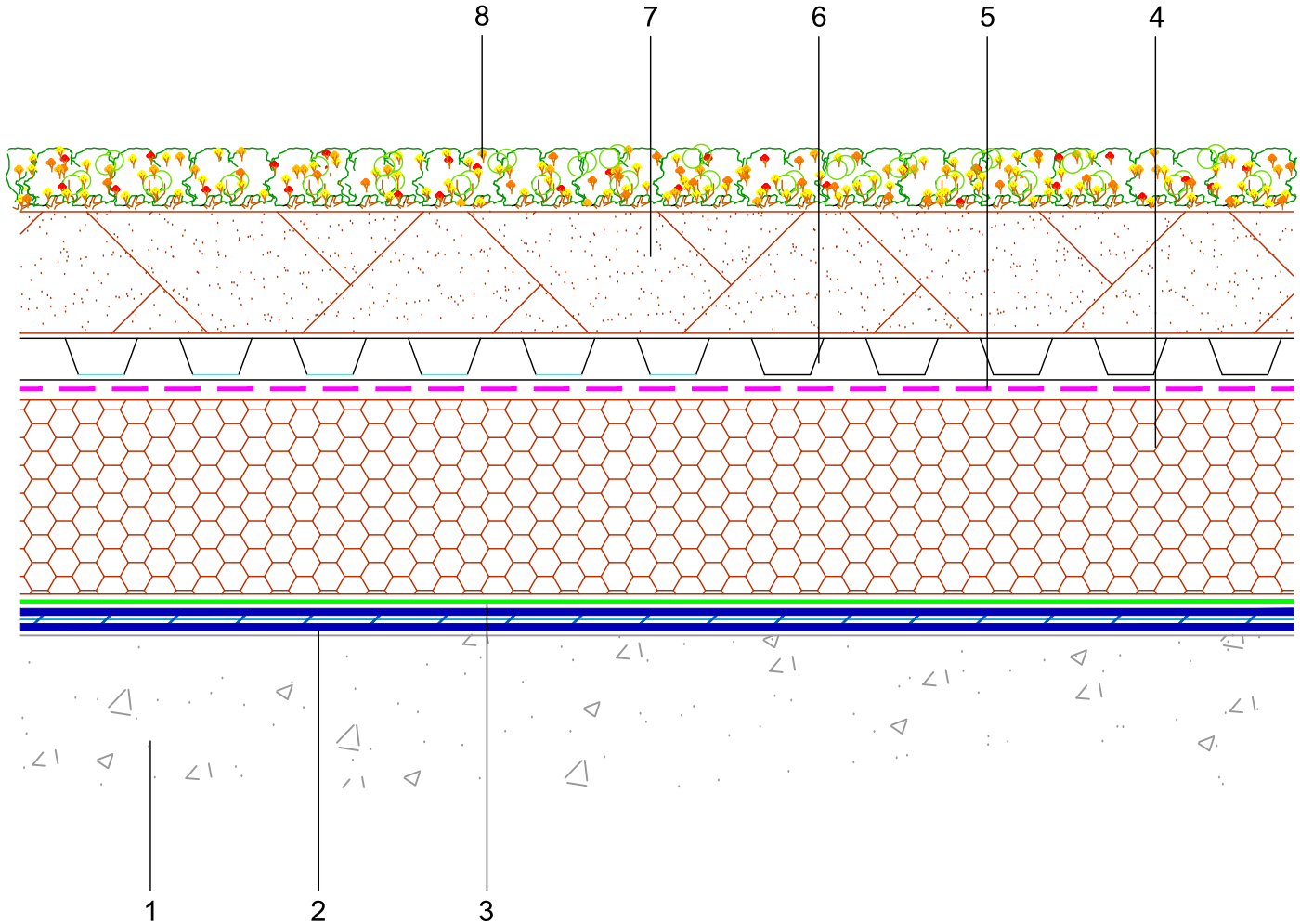
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STANDARD DETAIL

Drawing Title:

TYPICAL EXTENSIVE
GREEN ROOF

Date: March 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.1E	



SECTION KEY:

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

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Wind Uplift

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Hot Melt Waterproofing System

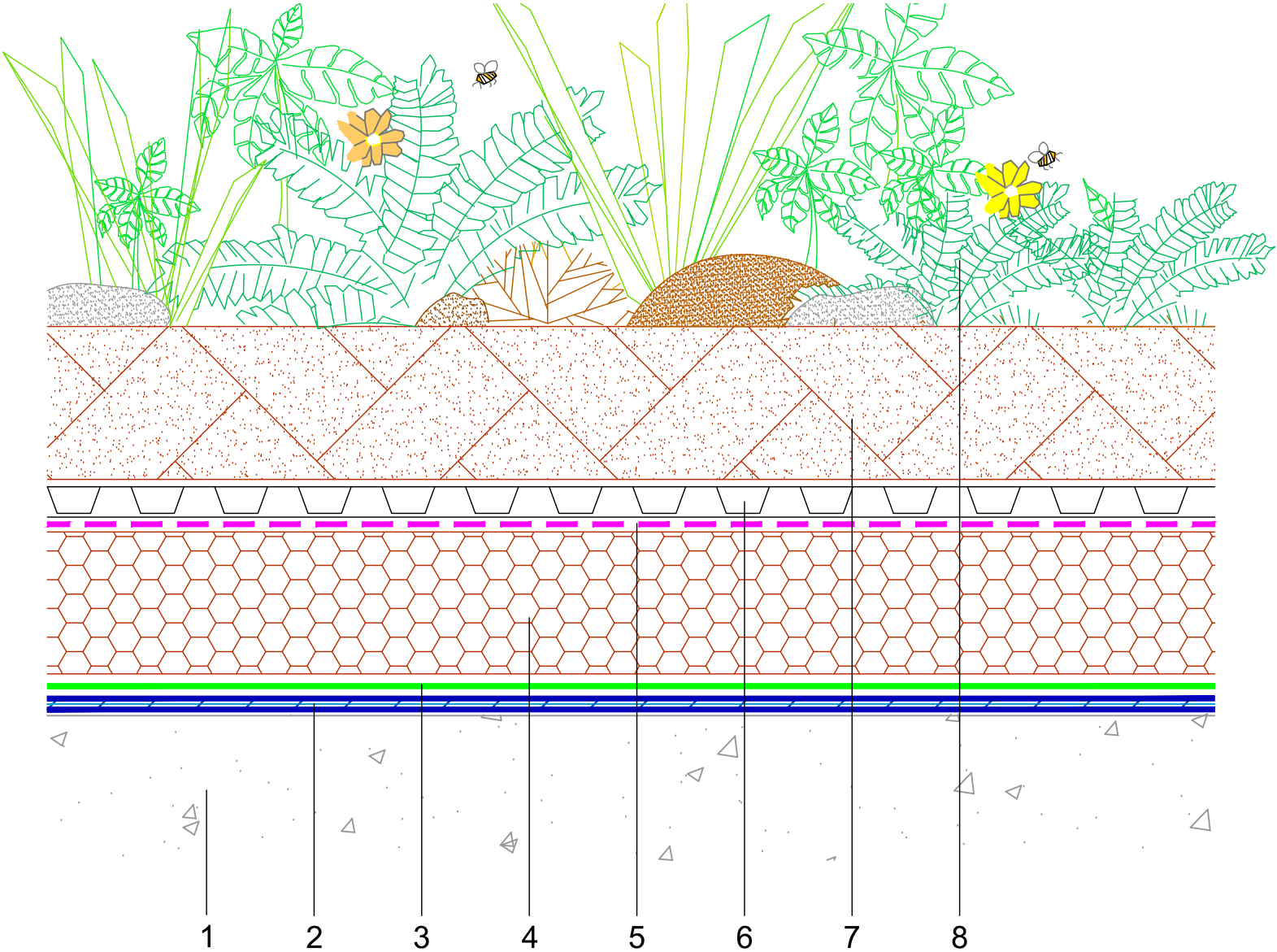
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STANDARD DETAIL

Drawing Title:

TYPICAL INTENSIVE
GREEN ROOF

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



SECTION KEY:

1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER

2. TWO COATS OF PERMATEC LI ANTI-ROOT 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. IKO PLASFEED DRAINAGE/MOISTURE RETENTION LAYER

7. IKO INTENSIVE GROWING MEDIUM

8. VEGETATION AS SPECIFIED

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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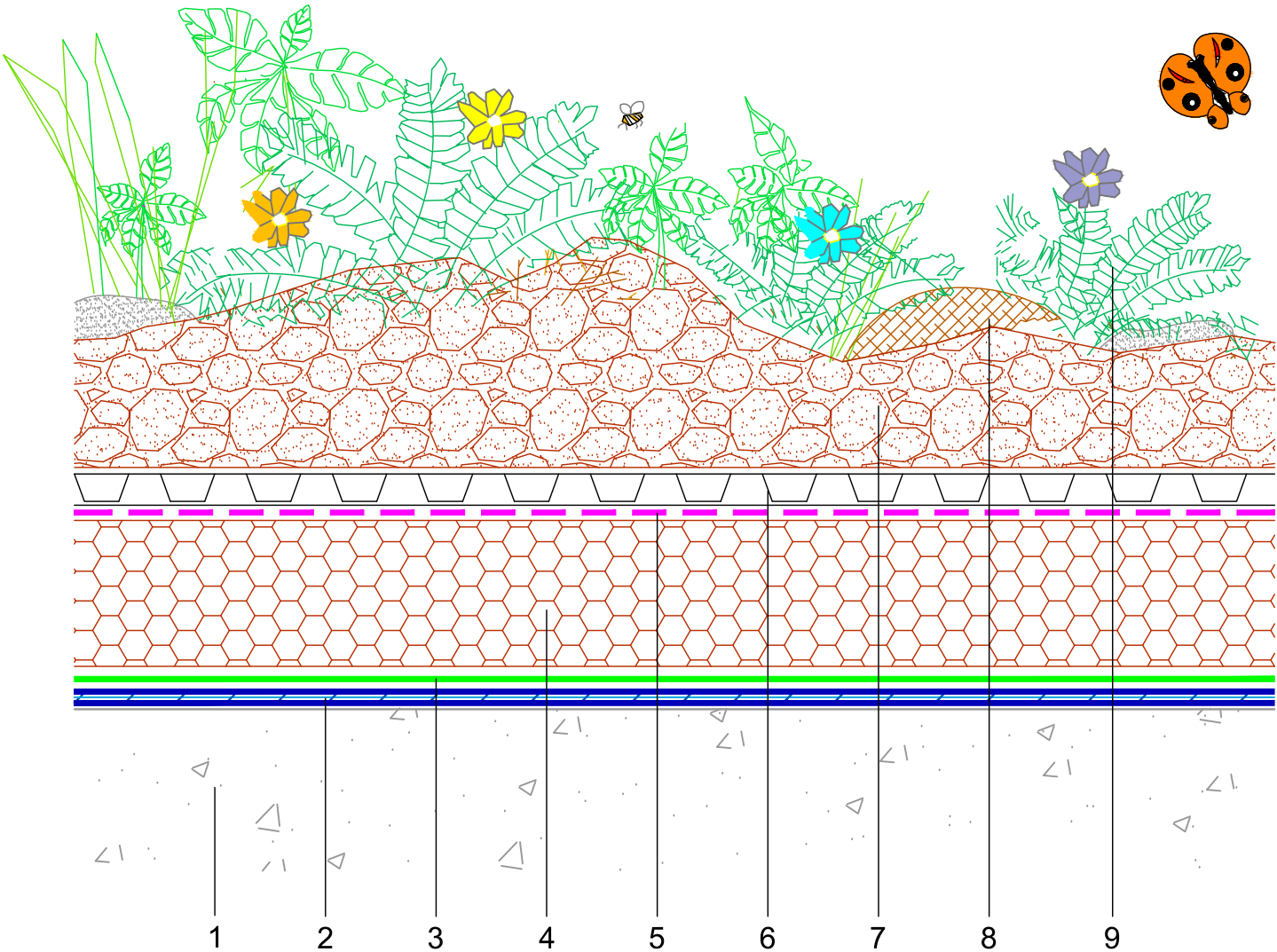
STANDARD DETAIL

Drawing Title:

TYPICAL BIODIVERSE GREEN ROOF

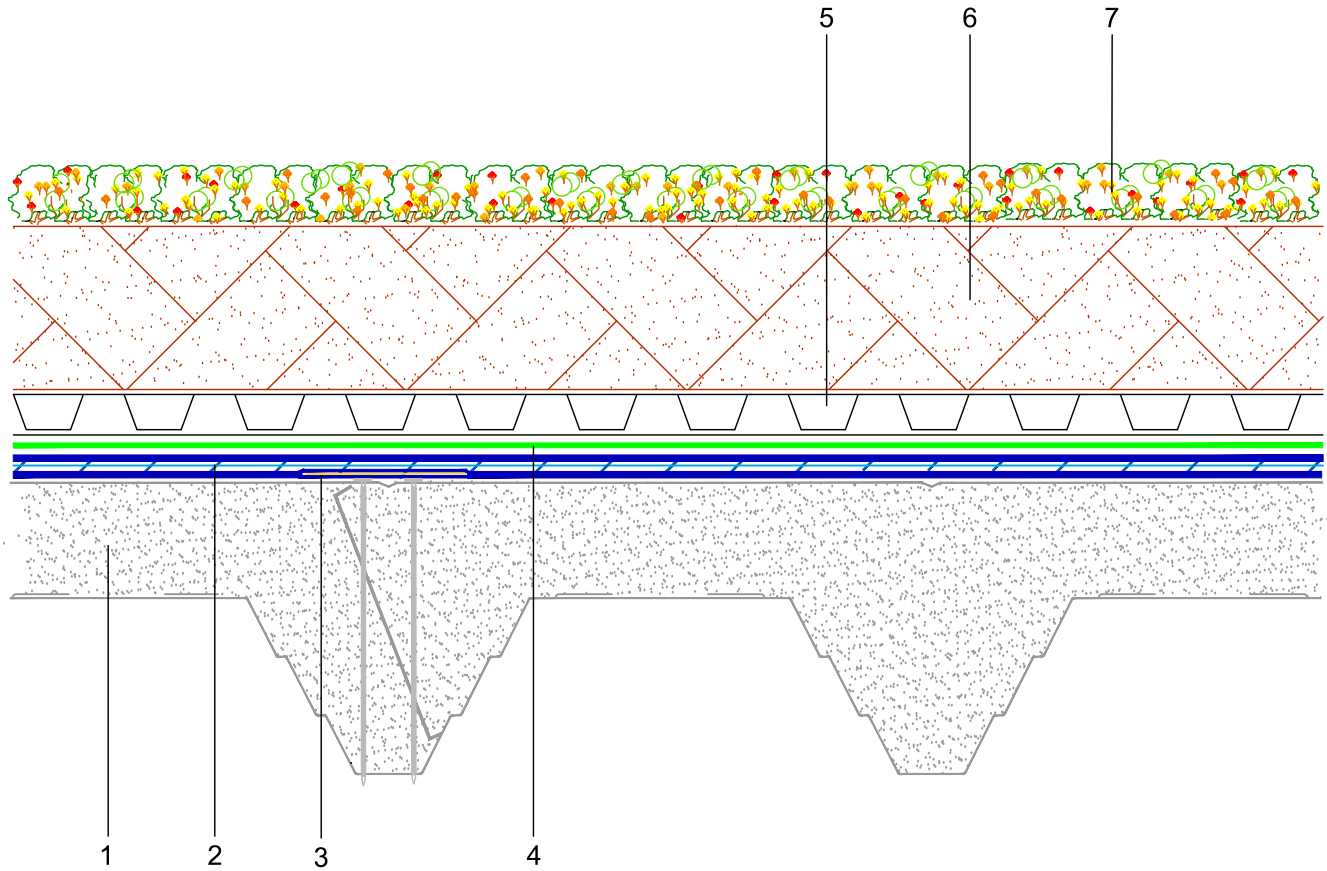
Date: March 2024
Scale: NTS

Drawn by: ME
Revision:
Sheet No: PT.1F(B)



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



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STANDARD DETAIL

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

SECTION KEY:

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

Date: March 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.1G	

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.

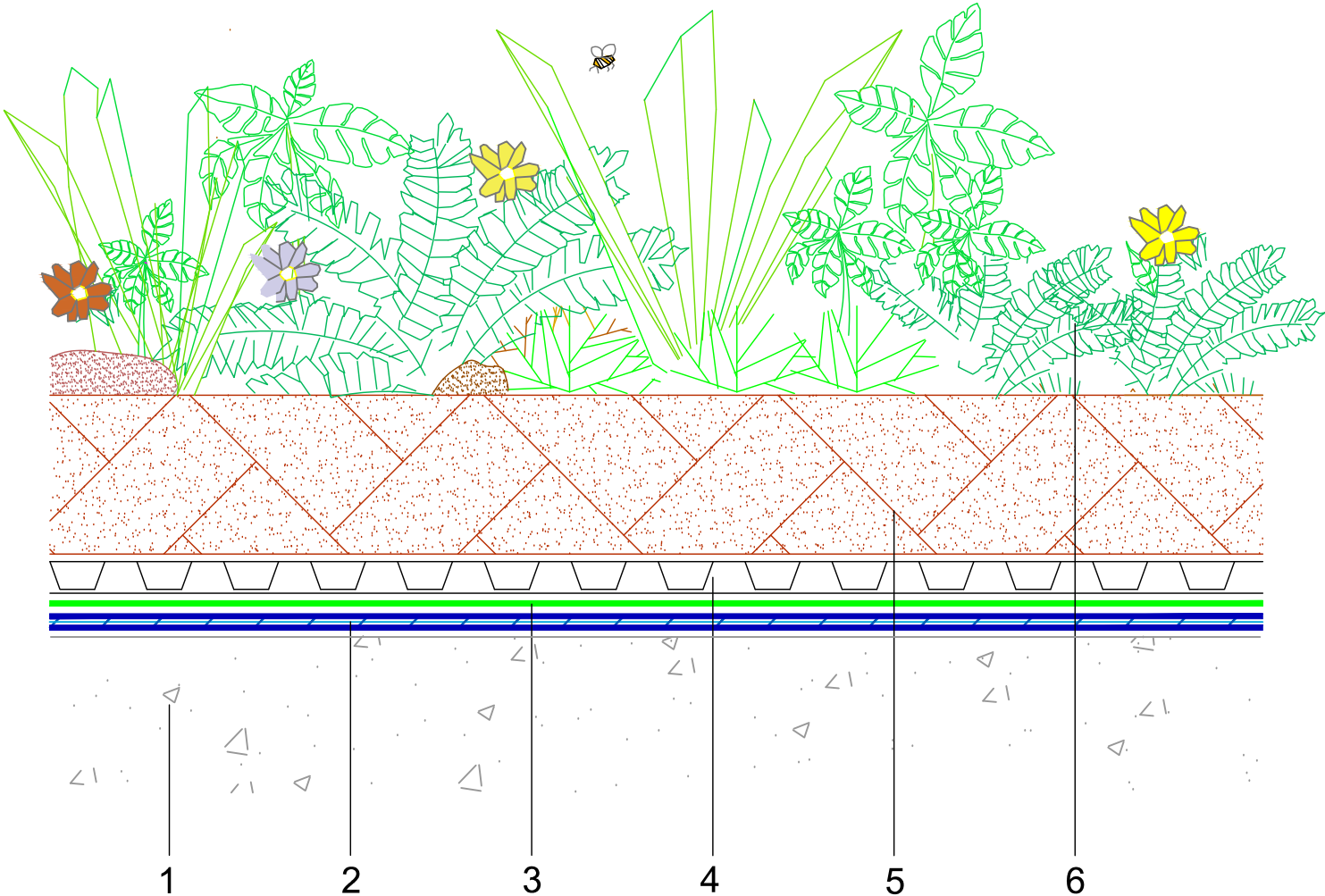


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STANDARD DETAIL

Drawing Title:
TYPICAL UN-INSULATED
INTENSIVE GREEN ROOF

Date: March 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.1H	



SECTION KEY:

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

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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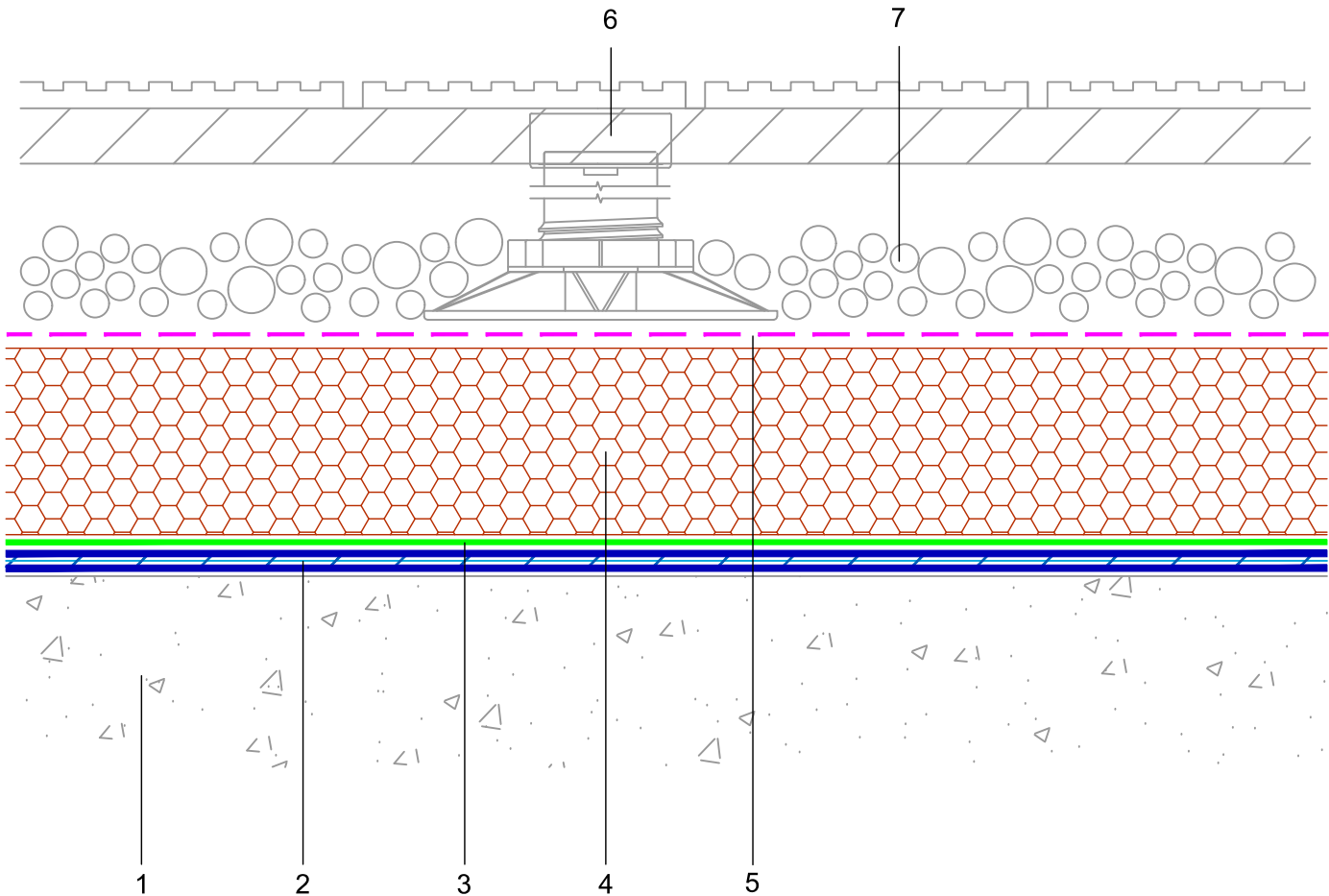


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STANDARD DETAIL

Drawing Title:

TYPICAL INVERTED ROOF WITH
NON-COMBUSTIBLE DECKING

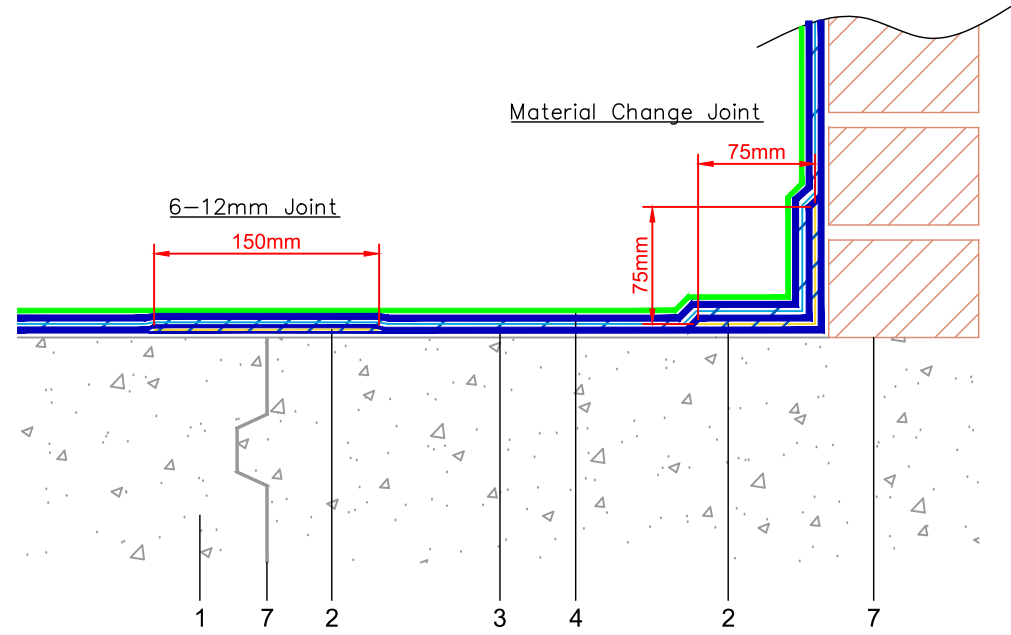
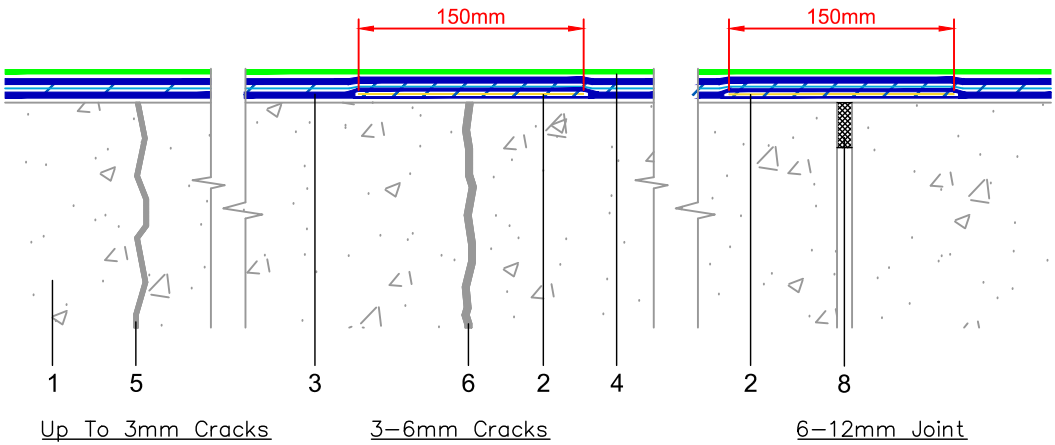


SECTION KEY:

- | | |
|--|---|
| 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. COMPOSITE DECKING SYSTEM WITH ADJUSTABLE SUPPORTS |
| 3. PERMAGUARD-F PROTECTION LAYER | 7. MINIMUM 50MM LAYER OF 20 - 40MM ROUNDED WASHED AGGREGATE |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | |

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

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IKO PERMAFLASH D-I50 DETAILING STRIP BONDED IN IKO PERMATEC COMPOUND TO COVER ALL JOINTS UP TO 12MM AND CHANGE IN MATERIAL. SEE IKO PERMATEC SYSTEM INSTALLATION GUIDE FOR MORE INFORMATION.

SECTION KEY:

- | | |
|--|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 5. STRUCTURAL/SHRINKAGE CRACKS UP TO 3MM |
| 2. PERMAFLASH-DI50 BONDED IN PERMATEC COMPOUND | 6. STRUCTURAL AND SHRINKAGE CRACKS 3-6MM |
| 3. TWO LAYERS OF PERMATEC LI COMPOUND INCORPORATING PERMAFLASH-R REINFORCEMENT | 7. CONSTRUCTION JOINTS OR NON-MONOLITHIC CHANGES IN PLANE AND MATERIALS |
| 4. PERMAGUARD-F PROTECTION LAYER | 8. JOINTS 6-12MM WIDE, WITH JOINT FILLER |



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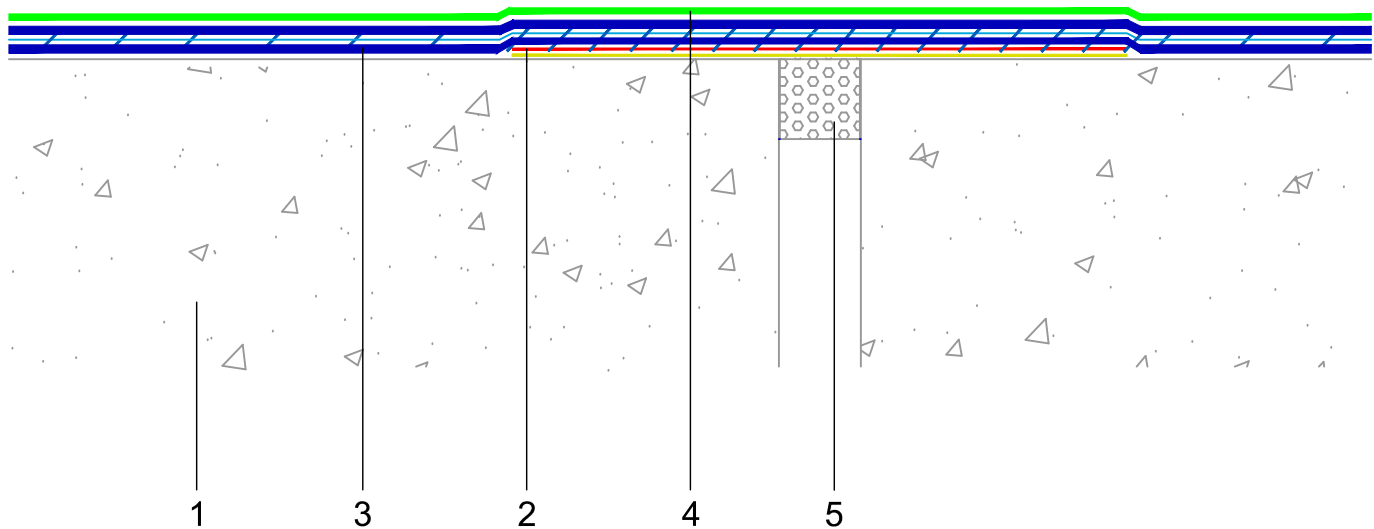
STANDARD DETAIL

Drawing Title:
CRACK AND JOINT
REINFORCEMENT DETAILS

Date: March 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.2A	

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.

N.B. 12-50MM GAP. MAXIMUM 50% TOTAL MOVEMENT



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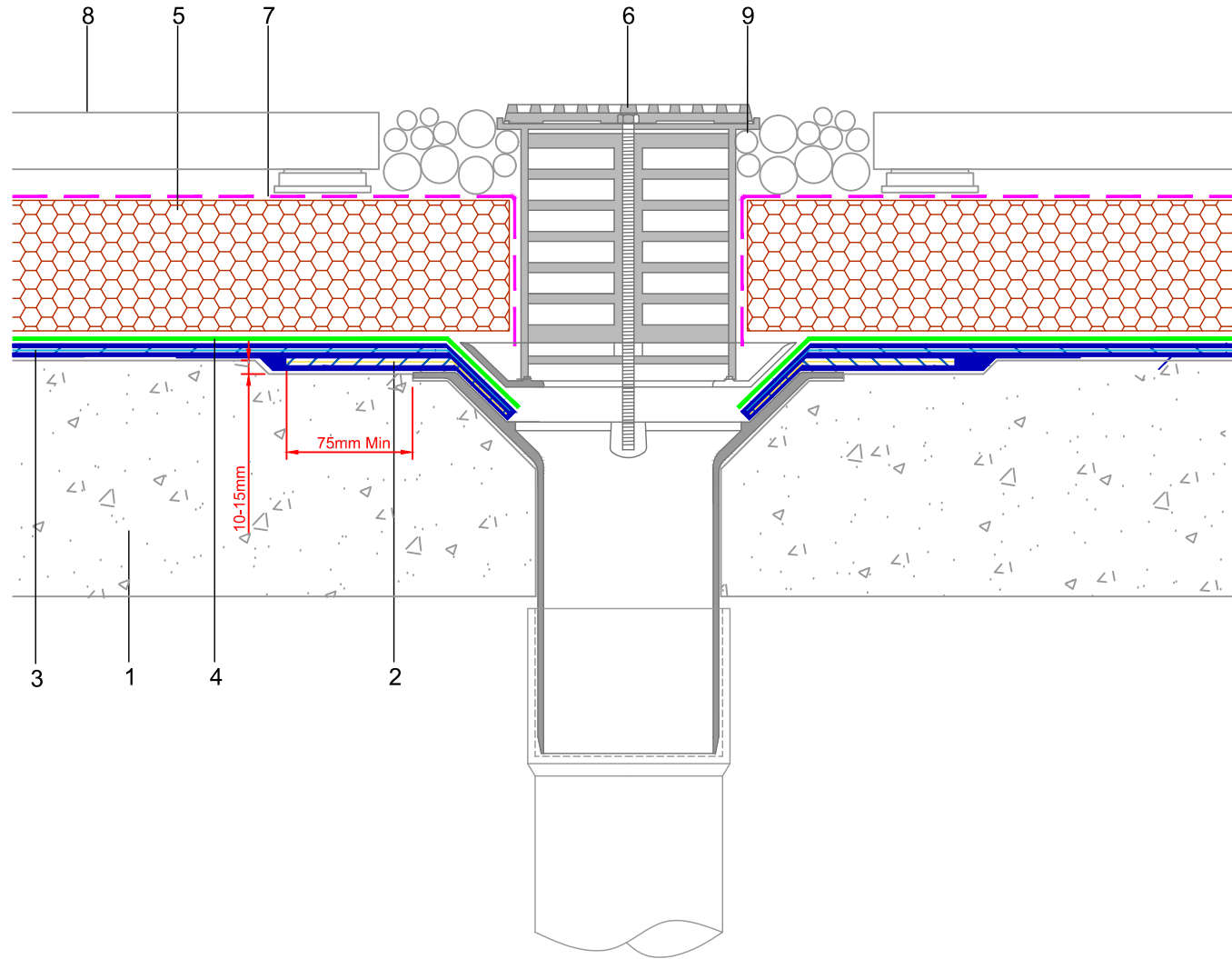
STANDARD DETAIL

Drawing Title:
TYPICAL EXPANSION JOINT
12-50MM GAP

SECTION KEY:

- | | |
|--|---------------------|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 5. CLOSED CELL FOAM |
| 2. PROPRIETARY EXPANSION JOINT MEMBRANE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS | |
| 3. TWO LAYERS OF PERMATEC LI COMPOUND INCORPORATING PERMAFLASH-R REINFORCEMENT | |
| 4. PERMAGUARD-F PROTECTION LAYER | |

Date: March 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.2B	



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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

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STANDARD DETAIL

Drawing Title:

TYPICAL RAINWATER OUTLET
INVERTED ROOF

Date:

March 2024

Scale:

NTS

Drawn by:

ME

Revision:

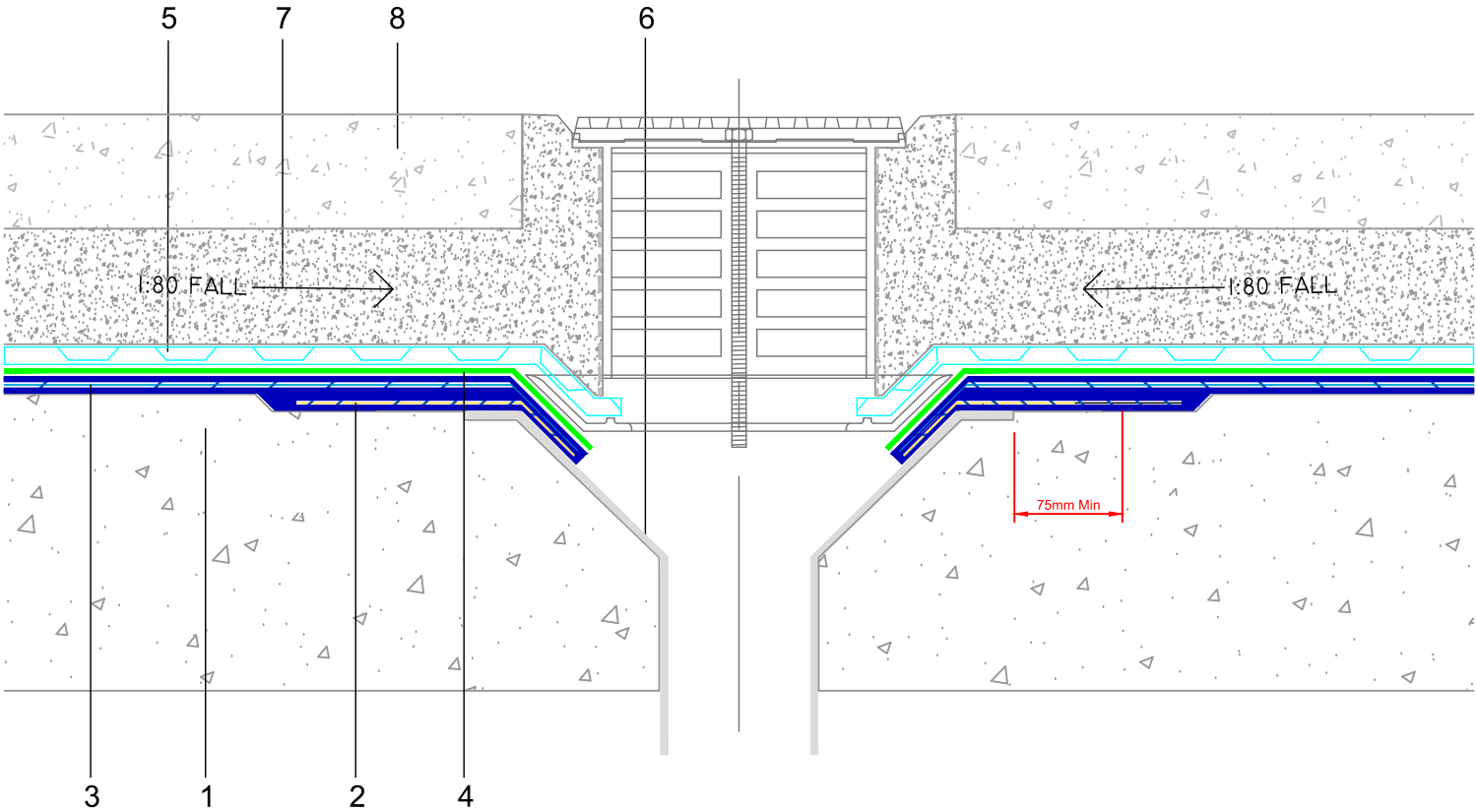
Sheet No:

PT.3A

SECTION KEY:

- | | |
|--|--|
| 1. CONCRETE SLAB PRIMED WITH PERMATEC PRIMER | 6. IKO VERTICAL SPIGOT ROOF OUTLET WITH EXTENSION RING & DOMED GRATE. 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. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 4. PERMAGUARD-F PROTECTION LAYER | 9. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 5. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | |

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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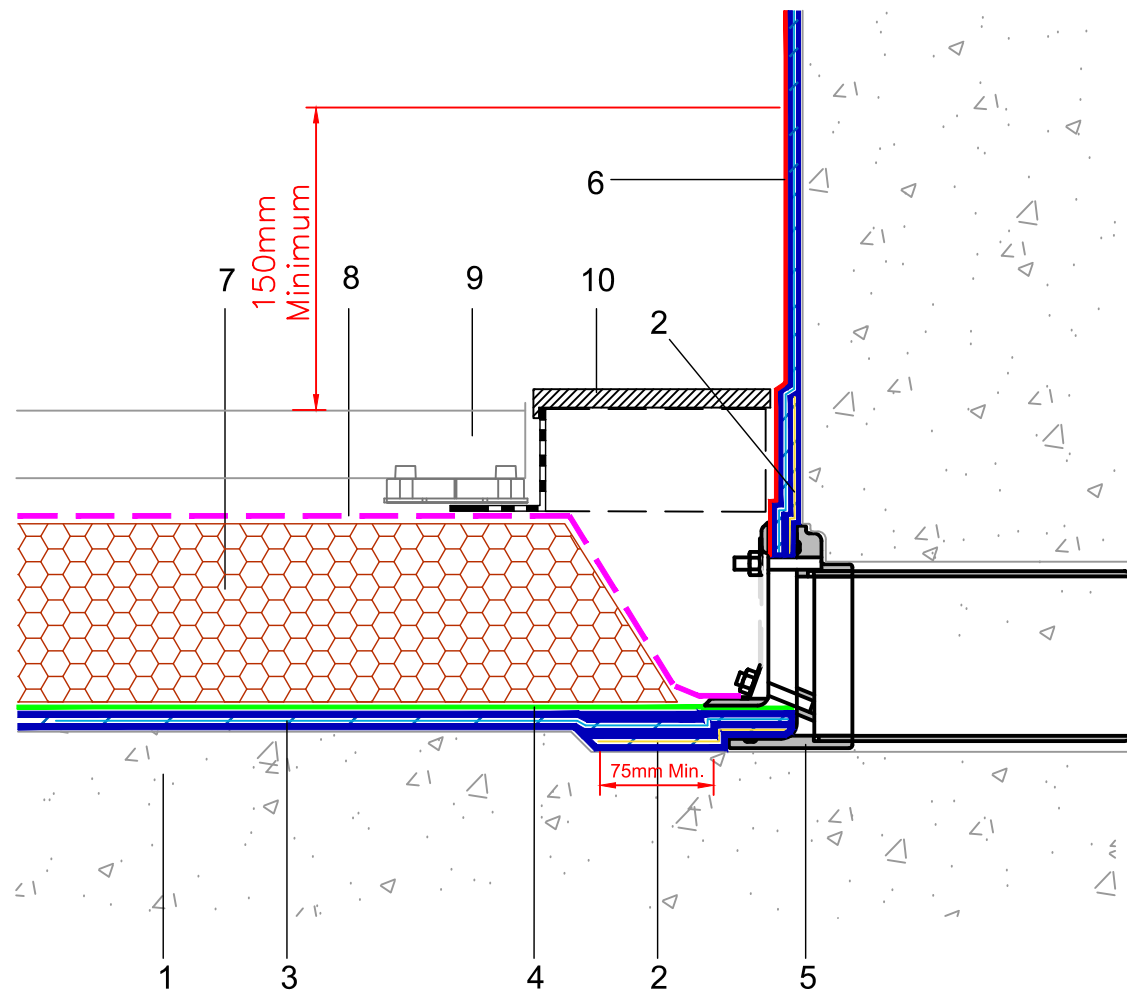
STANDARD DETAIL

Drawing Title:
TYPICAL RAINWATER OUTLET
UN-INSULATED PODIUM DECK

SECTION KEY:

- | | | |
|--|--|---------------------|
| 1. CONCRETE SLAB PRIMED WITH PERMATEC PRIMER | 4. PERMAGUARD-F PROTECTION LAYER | 7. BEDDING MATERIAL |
| 2. 500MM WIDE PERMAFLASH-D500 BEDDED IN PERMATEC ECOWRAP | 5. IKO PLASDRAIN DRAINAGE LAYER | 8. PAVING MATERIAL |
| 3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 6. IKO VERTICAL SPIGOT ROOF OUTLET WITH EXTENSION RING & FLAT GRATE. SEALED TO DOWN PIPE WITH A FILTER FLEECE WRAP | |

Date: March 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.3B	



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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.



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STANDARD DETAIL

Drawing Title:

TYPICAL RAINWATER OUTLET
PARAPET - BALCONY

Date:

MARCH 2024

Scale:

NTS

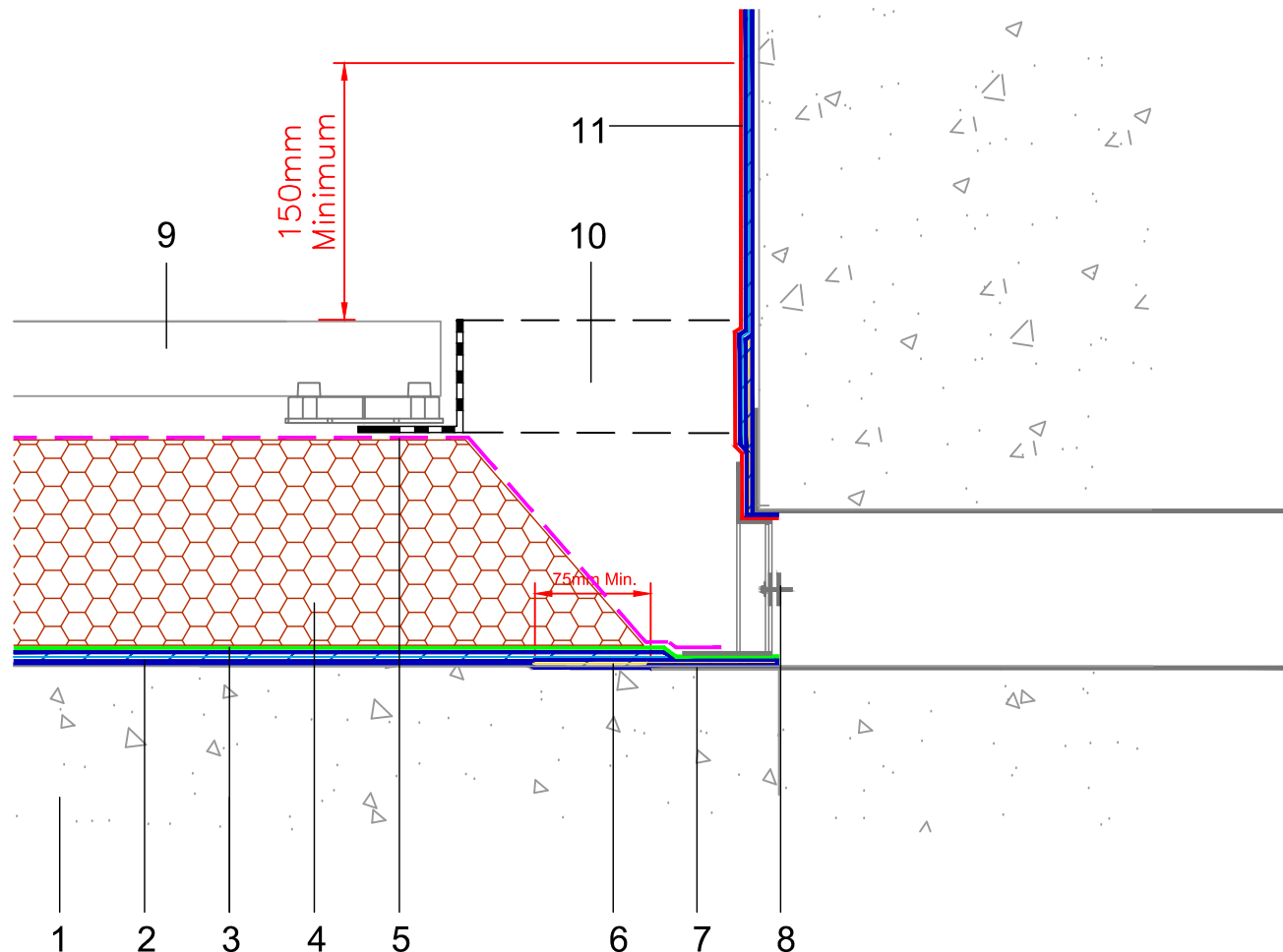
Drawn by:
ME

Revision:

Sheet No:
PT.3C(A)

SECTION KEY:

- | | | |
|--|---|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 5. IKO TWO WAY PARAPET OUTLET WITH THREADED ADAPTOR | 9. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 2. 150MM WIDE PERMAFLASH-DI50 BEDDED IN PERMATEC LI | 6. PERMAGUARD-M PROTECTION LAYER | 10. INSPECTION CHAMBER-THREE SIDED PERFORATED BOX WITH FLANGE WITH REMOVABLE LID |
| 3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 7. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION | |
| 4. PERMAGUARD-F PROTECTION LAYER | 8. IKO ENERTHERM WCL (WATER CONTROL LAYER) | |



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Wind Uplift

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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:
TYPICAL PARAPET
RAINWATER OUTLET FLUSH
WITH DECK

Date:	Scale:
March 2024	NTS
Drawn by:	Revision:
ME	Sheet No:
	PT.3C(B)

SECTION KEY:

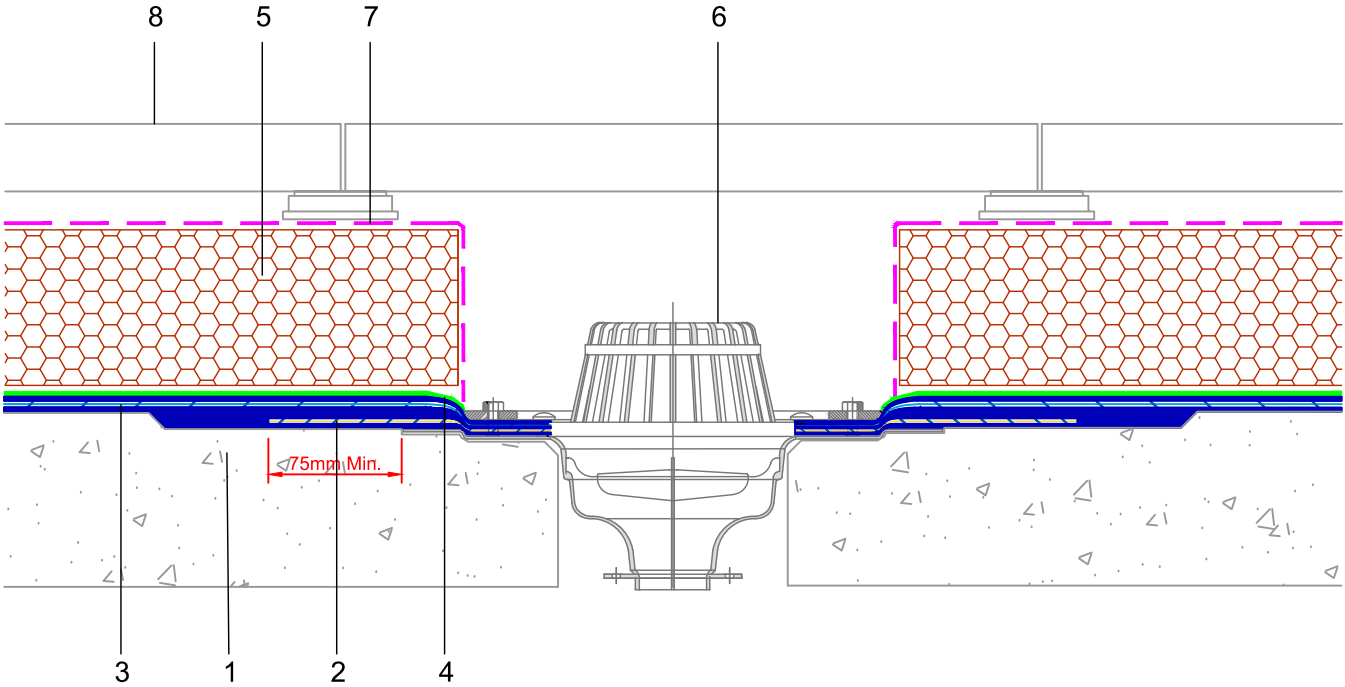
- | | | |
|--|--|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 5. IKO ENERTHERM WCL (WATER CONTROL LAYER) | 9. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 6. IKO PERMAFLASH-DI50 DETAILING STRIP FOR ALL JOINTS AND CHANGE IN MATERIAL | 10. INSPECTION CHAMBER-THREE SIDED PERFORATED BOX WITH FLANGE WITH REMOVABLE LID |
| 3. PERMAGUARD-F PROTECTION LAYER | 7. IKO PARAPET RAINWATER OUTLET FLUSH WITH DECK | 11. IKO PERMAGUARD-M (MINERAL FACED PROTECTION LAYER FOR ALL EXPOSED AREAS) |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION | 8. RAINWATER OUTLET CLAMP | |

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 FULL-FLOW
SYPHONIC OUTLET

Date:	Scale:
July 2024	NTS
Drawn by:	Revision:
ME	
Sheet No:	
PT.3D	

- SECTION KEY:
- | | |
|--|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 5. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD |
| 2. 500MM WIDE PERMAFLASH-D500 BONDED IN PERMATEC LI | 6. CLAMP RING SYPHONIC RAINWATER OUTLET |
| 3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 7. IKO ENERTHERM WCL (WATER CONTROL LAYER) |
| 4. PERMAGUARD-F PROTECTION LAYER | 8. 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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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

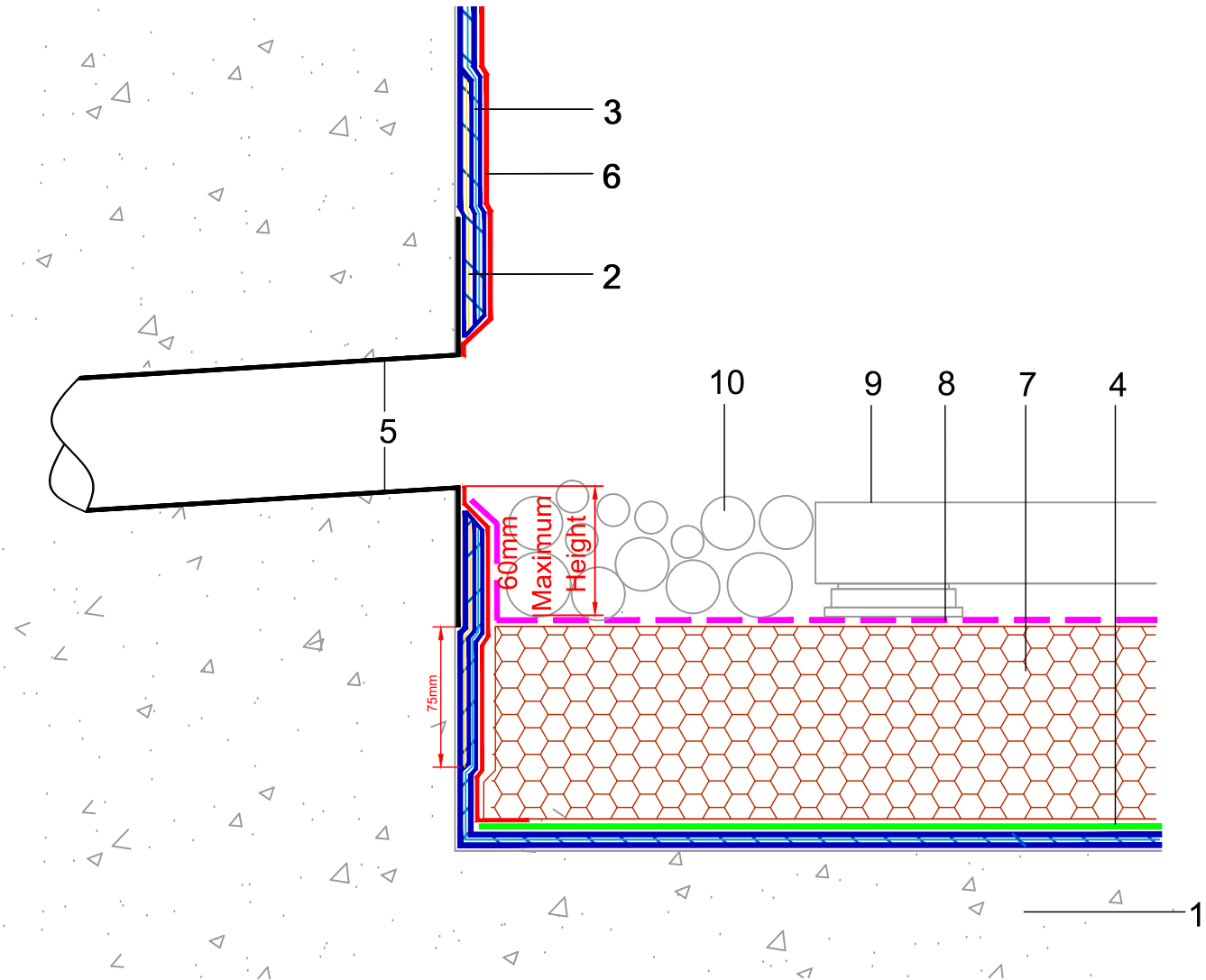
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STANDARD DETAIL

Drawing Title:
TYPICAL RAINWATER
OVERFLOW CHUTE
THROUGH UP-STAND

Date: July 2024
Scale: NTS

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



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

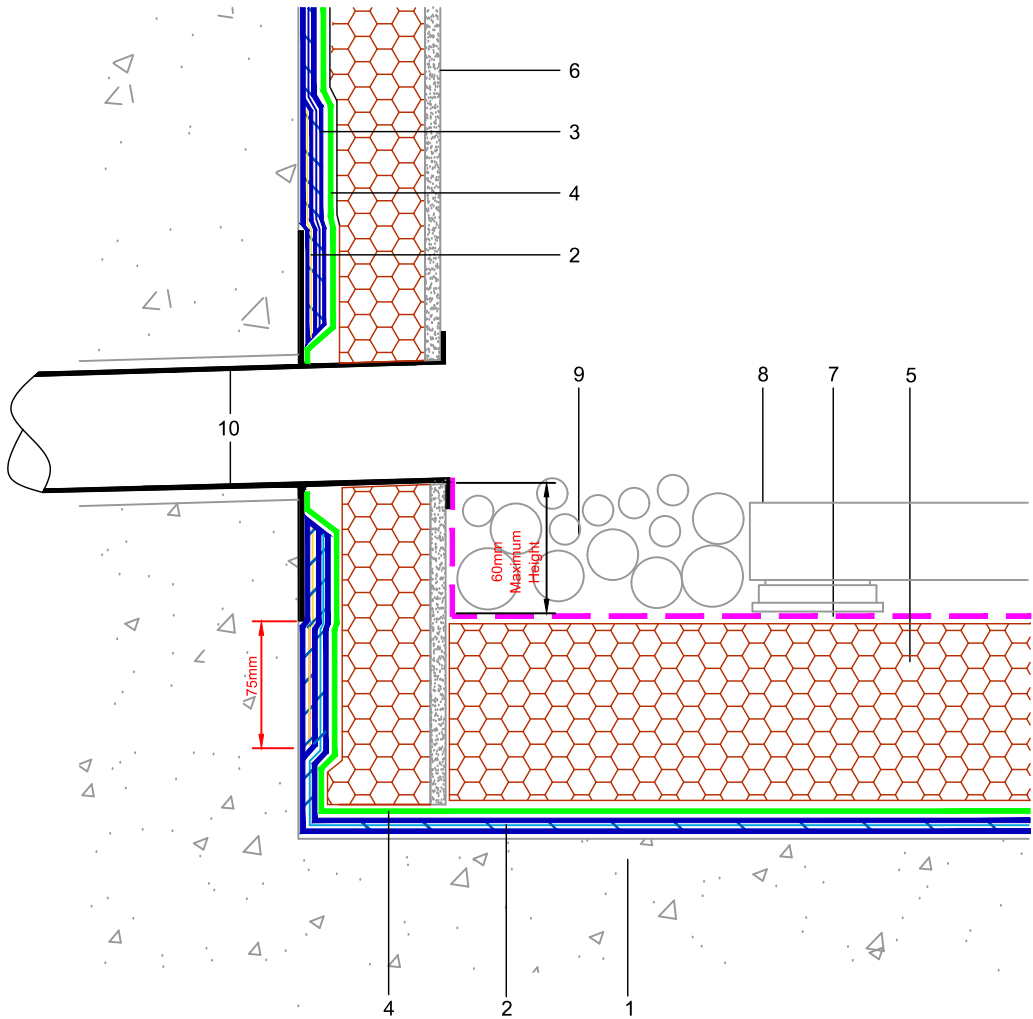
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STANDARD DETAIL

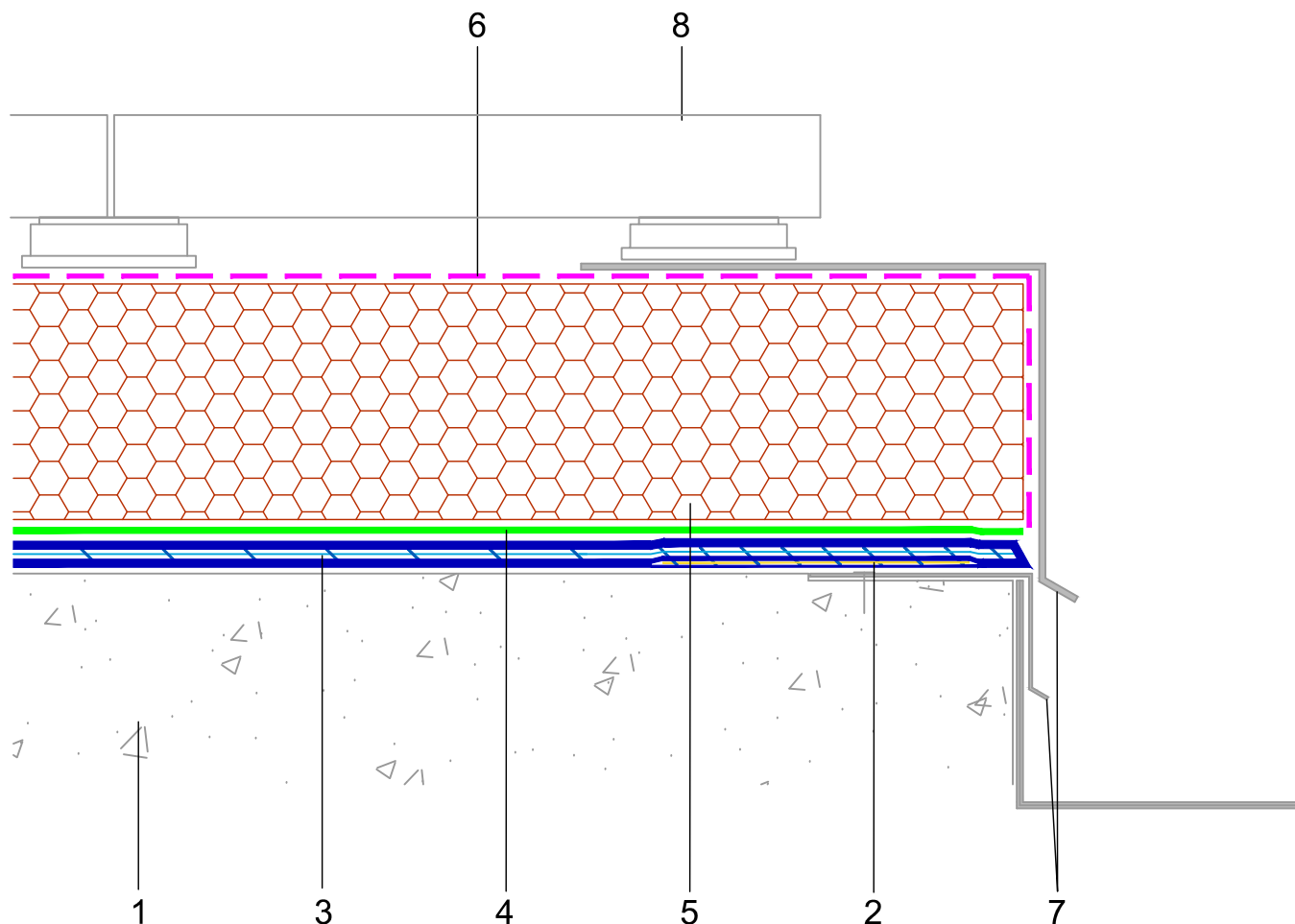
Drawing Title:
TYPICAL INSULATED
RAINWATER OVERFLOW CHUTE
THROUGH UP-STAND

Date: March 2024	Scale: NTS
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Drawn by: ME	Revision:	Sheet No: PT.3F
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- SECTION KEY:
- | | |
|---|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 7. IKO ENERTHERM WCL (WATER CONTROL LAYER) |
| 2. PERMAFLASH-DI50 DETAILING SHEET BEDDED IN PERMATEC ECOWRAP | 8. MINIMUM 40MM 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. 10.OVERFLOW CHUTE WITH MINIMUM 75MM FLANGE |
| 5. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | |
| 6. IKO ETHERM UPSTAND BOARD INVERTED ROOF INSULATION BOARD WITH CEMENT FACING | |



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Wind Uplift

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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.

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Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:

TYPICAL DRIP TO GUTTER

Date:

March 2024

Scale:

NTS

Drawn by:

ME

Revision:

Sheet No:

PT.3G

SECTION KEY:

- | | |
|--|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 6. IKO ENERTHERM WCL (WATER CONTROL LAYER) |
| 2. PERMAFLASH-DI50 BONDED IN PERMATEC LI | 7. METAL COVER FLASHING |
| 3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 8. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 4. PERMAGUARD-F PROTECTION LAYER | |
| 5. 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.



Hot Melt Waterproofing System

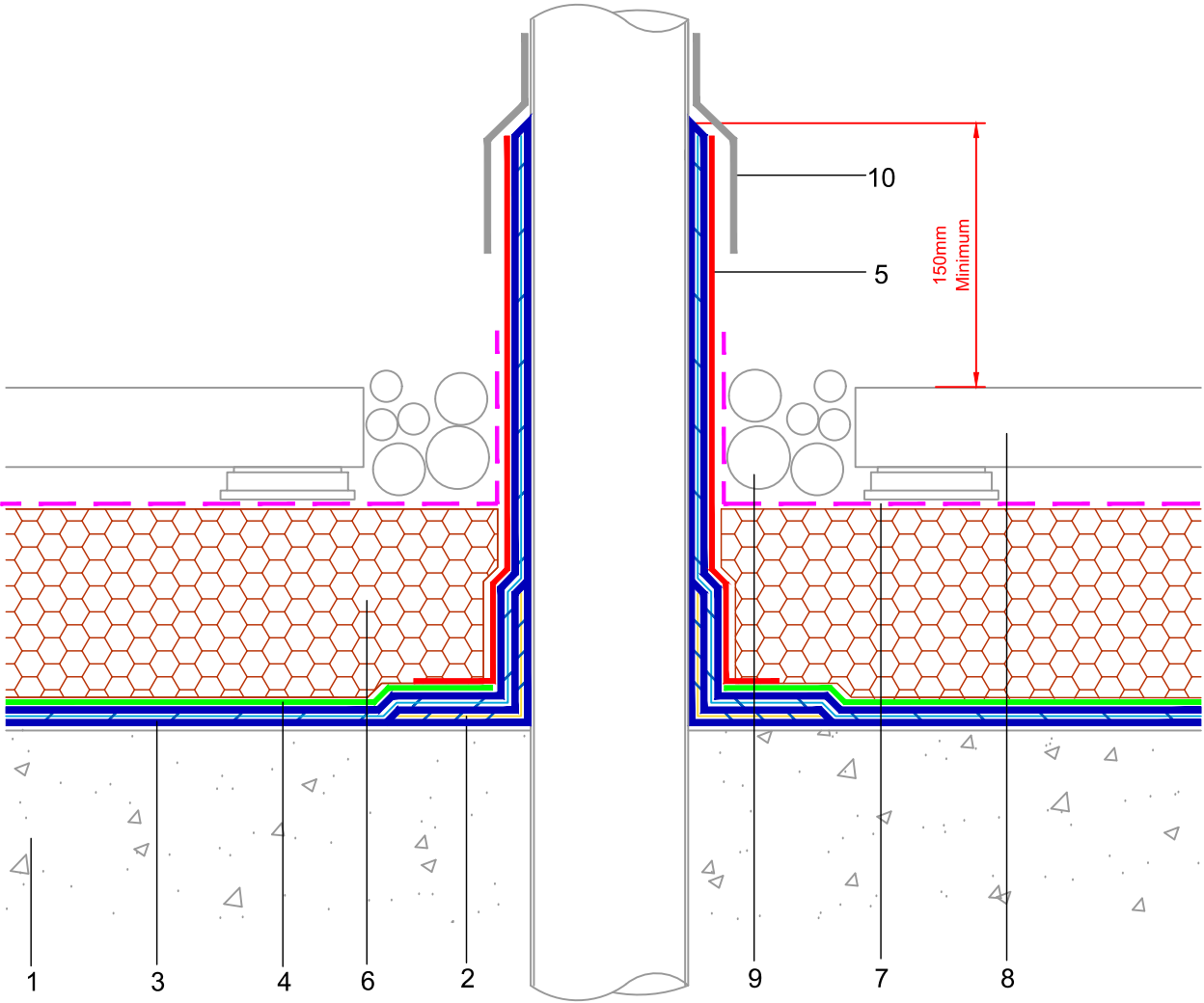
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STANDARD DETAIL

Drawing Title:
**TYPICAL COLD METAL PIPE
PENETRATION**

Date: March 2024
Scale: NTS

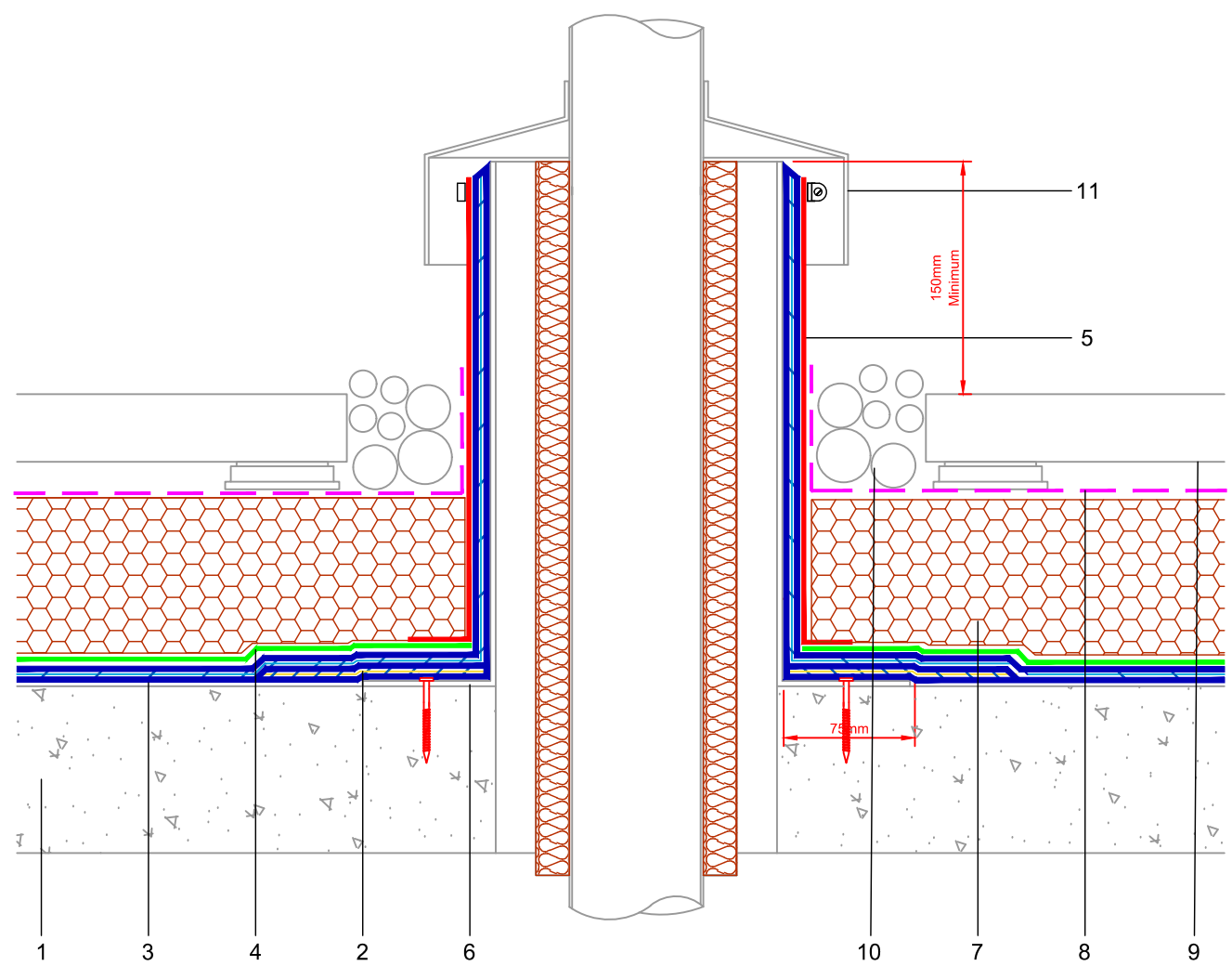
Drawn by: ME
Revision:
Sheet No: PT.4A



SECTION KEY:

- | | | |
|--|---|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 5. PERMAGUARD-M PROTECTION LAYER | SUPPORTS |
| 2. PERMAFLASH-DI50 BONDED IN PERMATEC LI | 6. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION | 9. 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) | 10. COLLAR FLASHING |
| 4. PERMAGUARD-F PROTECTION LAYER | 8. MINIMUM 40MM PAVING SLABS ON PROPRIETARY | |

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.	MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS
	2.	PERMAFLASH-DI50 DETAILING SHEET BONDED IN PERMATEC LI	6.	GALVANISED STEEL PIPE SLEEVE	10.	MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE
	3.	TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT	7.	IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD	II.	PIPE COLLAR FLASHING
	4.	PERMAGUARD-F PROTECTION LAYER	8.	IKO ENERTHERM WCL (WATER CONTROL 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.

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:
TYPICAL HOT PIPE PENETRATION

Date:	Scale:	
March 2024	NTS	
Drawn by:	Revision:	Sheet No:
ME		PT.4B

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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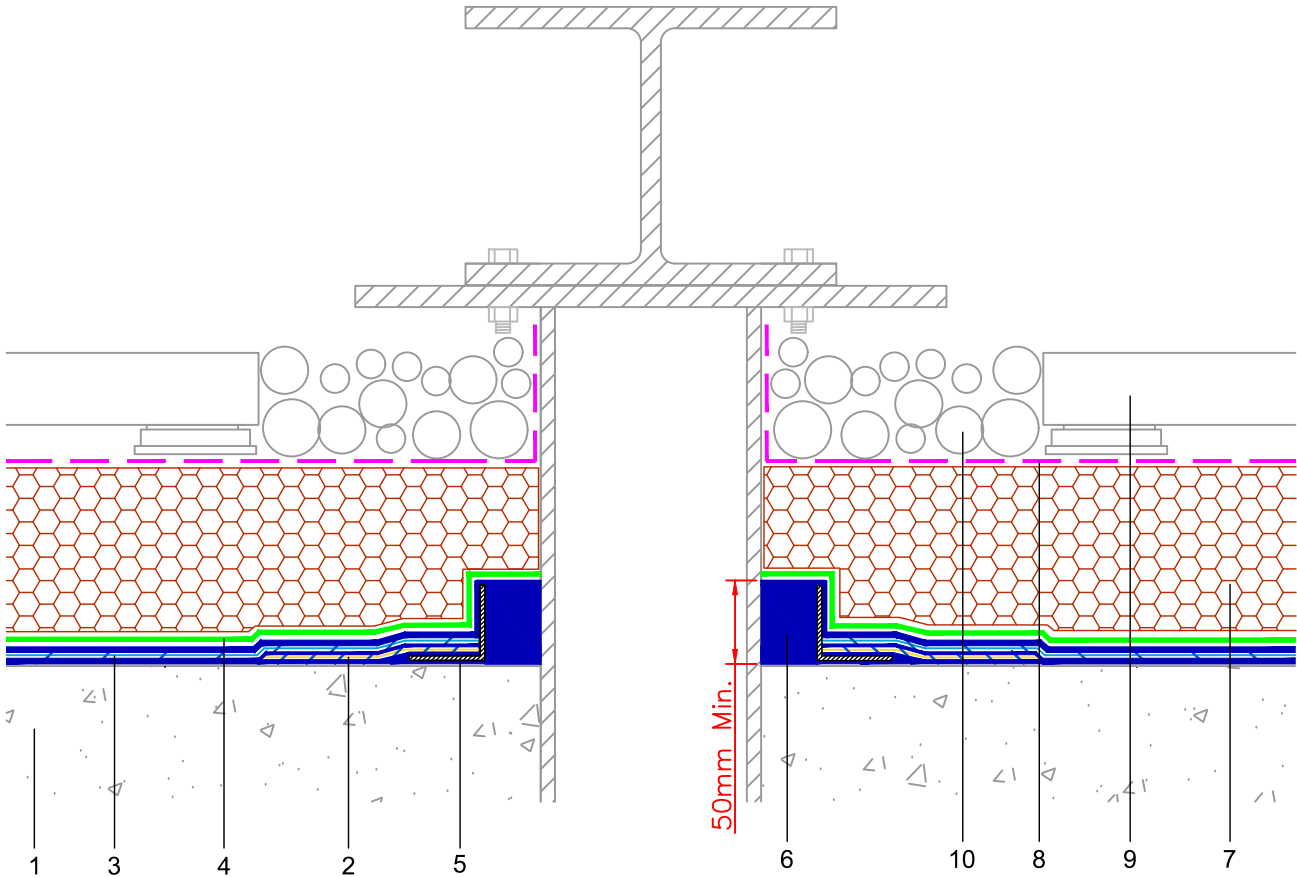
Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:

TYPICAL PITCH POCKET



SECTION KEY:	1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER	5. GALVANISED STEEL PITCH POCKET FORMER BONDED IN PERMATEC COMPOUND	9. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS
	2. PERMAFLASH-D150 DETAILING SHEET BONDED IN PERMATEC LI	6. PERMATEC LI POURED INTO FORMER	10. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE
	3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT	7. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD	
	4. PERMAGUARD-F PROTECTION LAYER	8. IKO ENERTHERM WCL (WATER CONTROL LAYER)	

Date:		Scale:	
April 2024		NTS	
Drawn by:	Revision:	Sheet No:	
ME		PT.4C(A)	

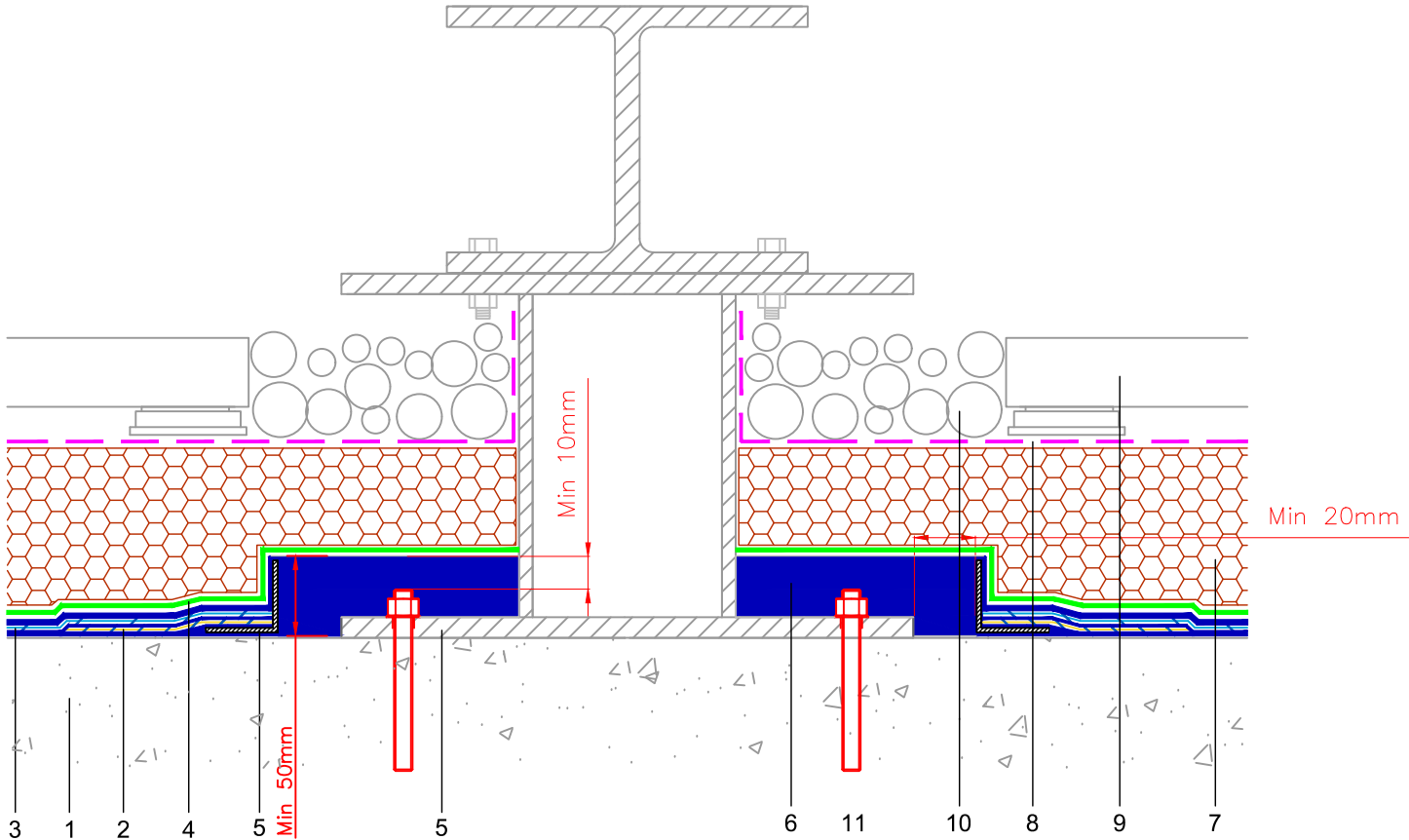
Wind Uplift

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 PITCH POCKET
(BASE PLATE)

Date:

July 2024

Scale:

NTS

Drawn by:

ME

Revision:

Sheet No:

PT.4C(B)

SECTION KEY:

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

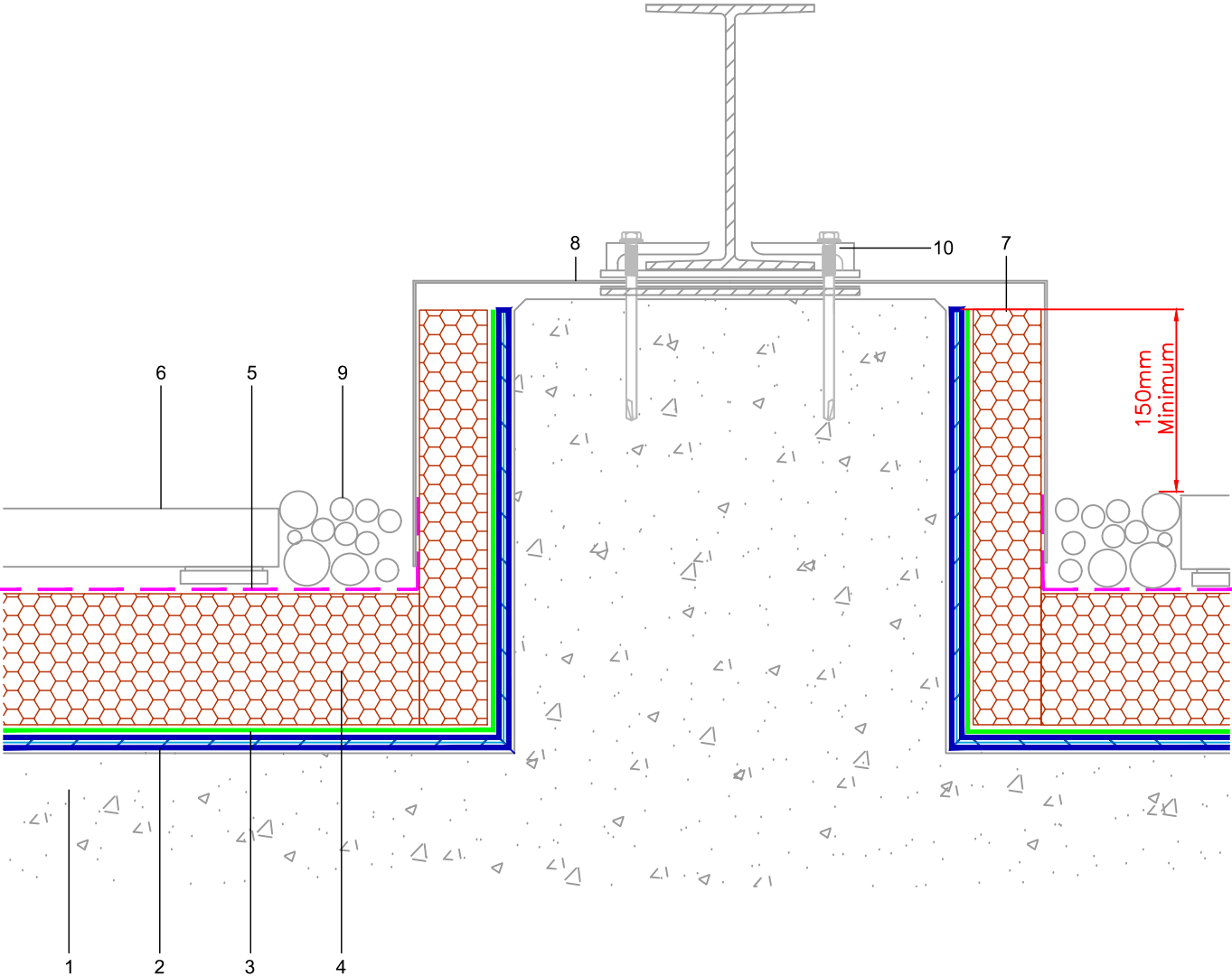
Wind Uplift

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

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:

TYPICAL PLINTH

Date:		Scale:	
April 2024		NTS	
Drawn by:	Revision:	Sheet No:	
ME		PT.4D	

- 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.

MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS

7.

IKO ETHERM UPSTAND BOARD INVERTED ROOF INSULATION BOARD

8.

METAL FLASHING

9.

MINIMUM 50MM LAYER 20-40MM ROUNDED WASHED AGGREGATE

10.

PLANT SUPPORT STRUCTURE FIXED USING SEALING WASHERS ABOVE AND BELOW THE METAL FLASHING

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 MANSAFE POST

Date:

April 2024

Scale:

NTS

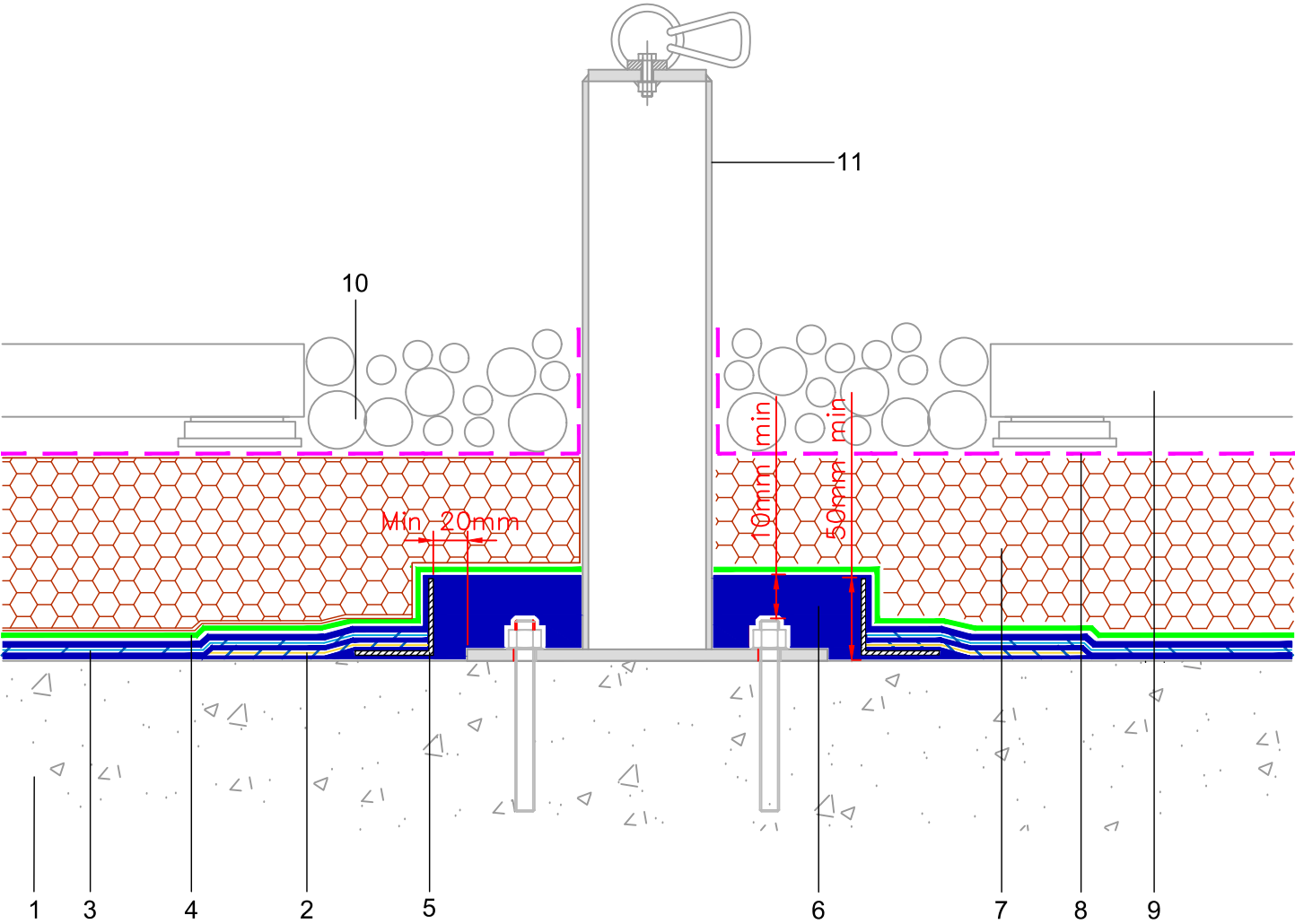
Drawn by:

ME

Revision:

Sheet No:

PT.4E



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. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 4. PERMAGUARD-F PROTECTION LAYER | 10. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 5. GALVANISED STEEL PITCH POCKET FORMER BONDED IN COMPOUND | 11. MANSAFE POST |
| 6. PERMATEC LI POURED INTO FORMER | |

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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STANDARD DETAIL

Drawing Title:

TYPICAL RETROFIT
PITCHPOCKET MANSAFE

Date:

March 2024

Scale:

NTS

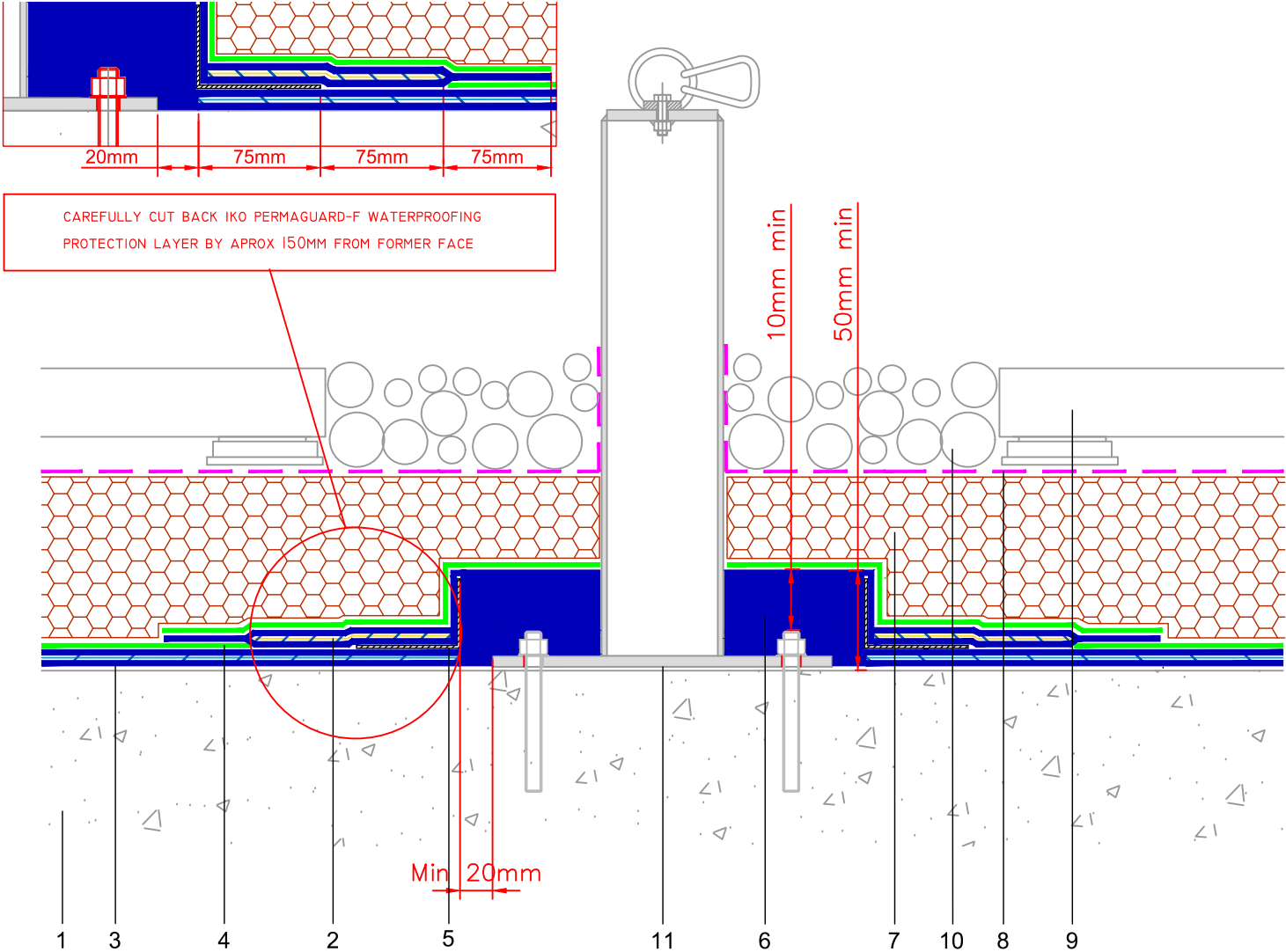
Drawn by:

ME

Revision:

Sheet No:

PT.4F



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. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 4. PERMAGUARD-F PROTECTION LAYER | 10. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 5. GALVANISED STEEL PITCH POCKET FORMER BONDED IN COMPOUND | 11. PROPRIETARY MANSAFE POST |
| 6. PERMATEC LI POURED INTO FORMER | |

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.

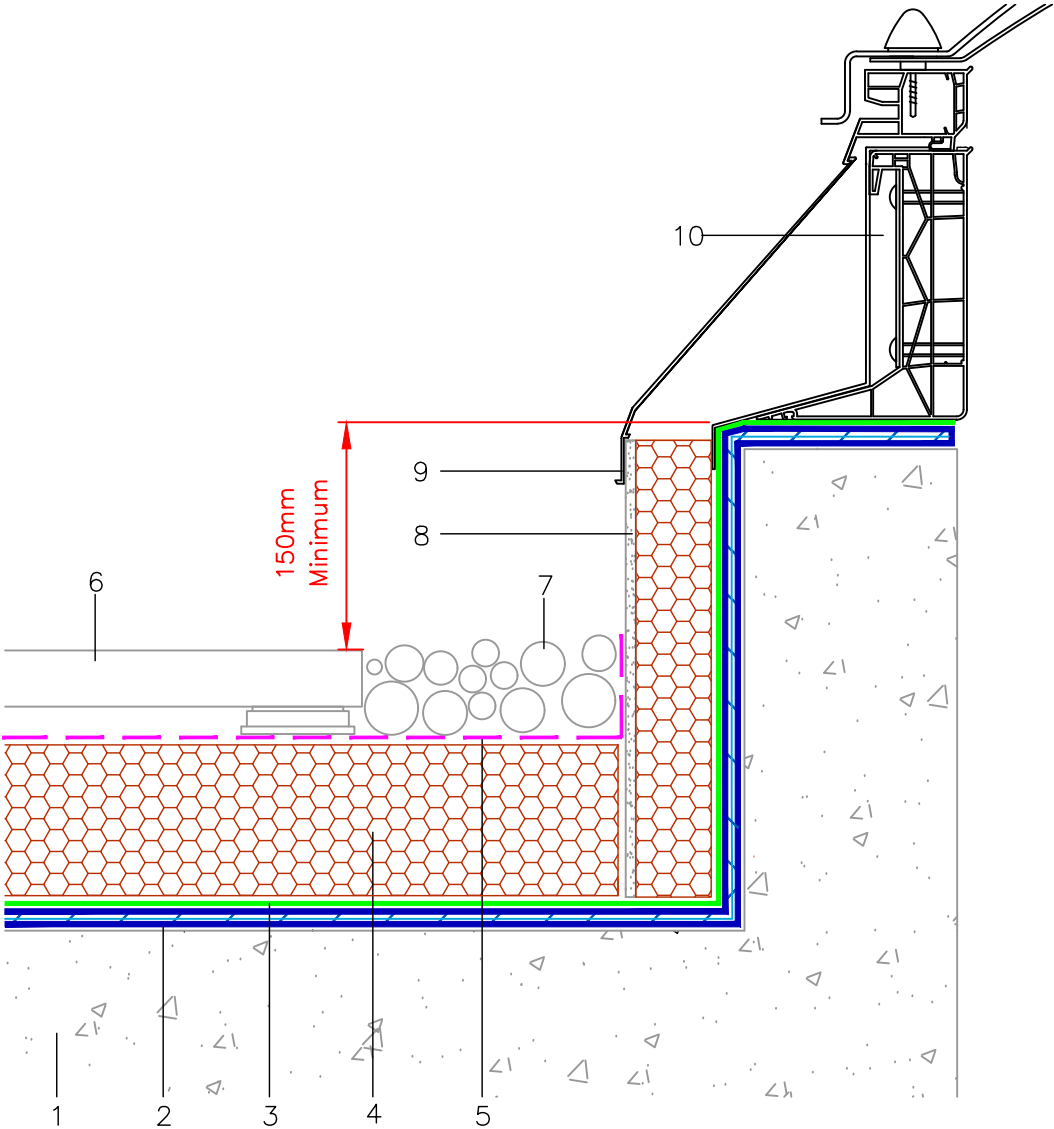


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STANDARD DETAIL

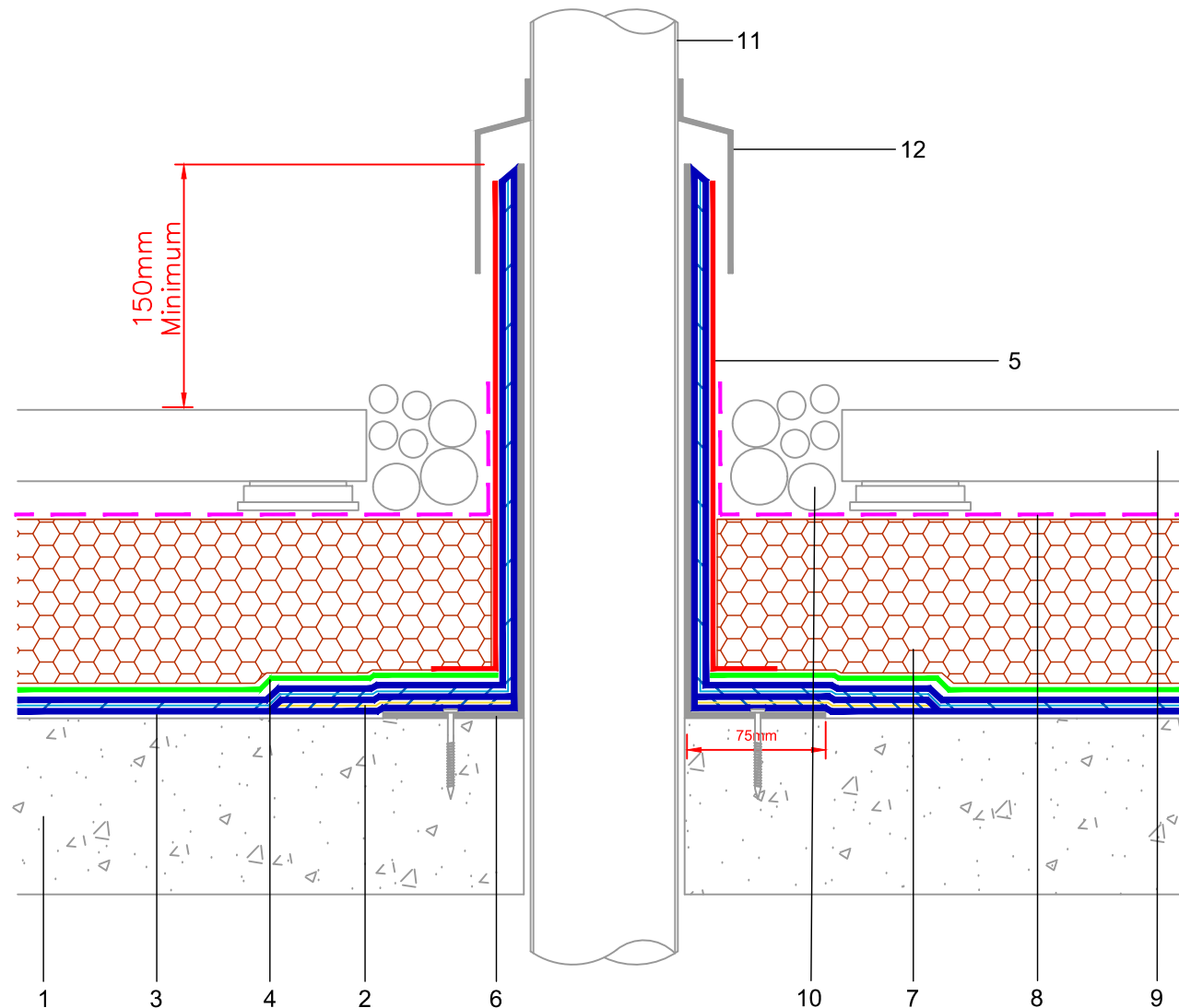
Drawing Title:
TYPICAL KERB TO SMOKE
VENT/ROOF LIGHT/ACCESS HATCH

Date: July 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.4H	



SECTION KEY:

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



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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).

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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.

IKO permatec
Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:

TYPICAL PLASTIC PIPE WITH
METAL SLEEVE PENETRATION

Date:

July 2024

Scale:

NTS

Drawn by:

ME

Revision:

Sheet No:

PT.4I

SECTION KEY: 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER

2. PERMAFLASH-DI50 DETAILING SHEET BONDED IN PERMATEC LI

3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT

4. PERMAGUARD-F PROTECTION LAYER

5. PERMAGUARD-M PROTECTION LAYER (FOR ANY EXPOSED AREA)

6. CORROSION RESISTANT METAL PIPE SLEEVE (NOT LEAD)

7. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD

8. IKO ENERTHERM WCL (WATER CONTROL LAYER)

9. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS

10. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE

11. PLASTIC PIPE

12. COLLAR FLASHING

Wind Uplift

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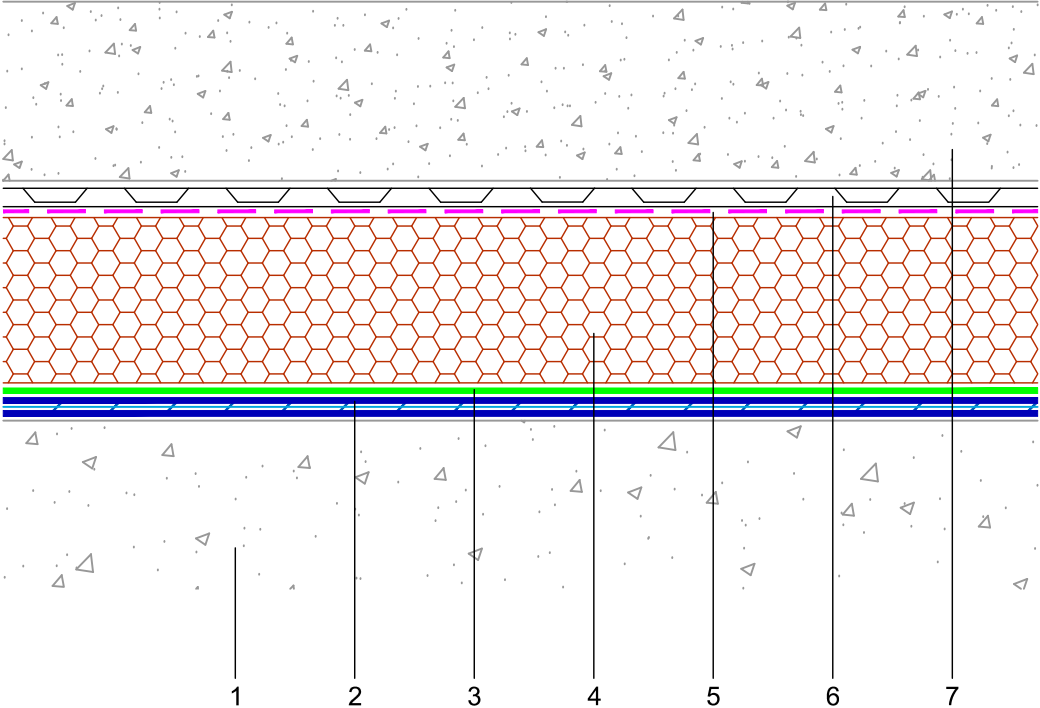


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STANDARD DETAIL

Drawing Title:

TYPICAL FLOATING CONCRETE BASE



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. IKO PLASDRAIN6 DRAINAGE LAYER |
| 3. PERMAGUARD-F PROTECTION LAYER | 7. CAST CONCRETE SLAB (THE TOTAL LOADING ON INSULATION TO BE CONFIRMED BY INSULATION MANUFACTURER) |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | |

Date:	Scale:	
April 2024	NTS	
Drawn by:	Revision:	Sheet No:
ME		PT.5B

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 PARAPET WITH CAPPING

Date:

April 2024

Scale:

NTS

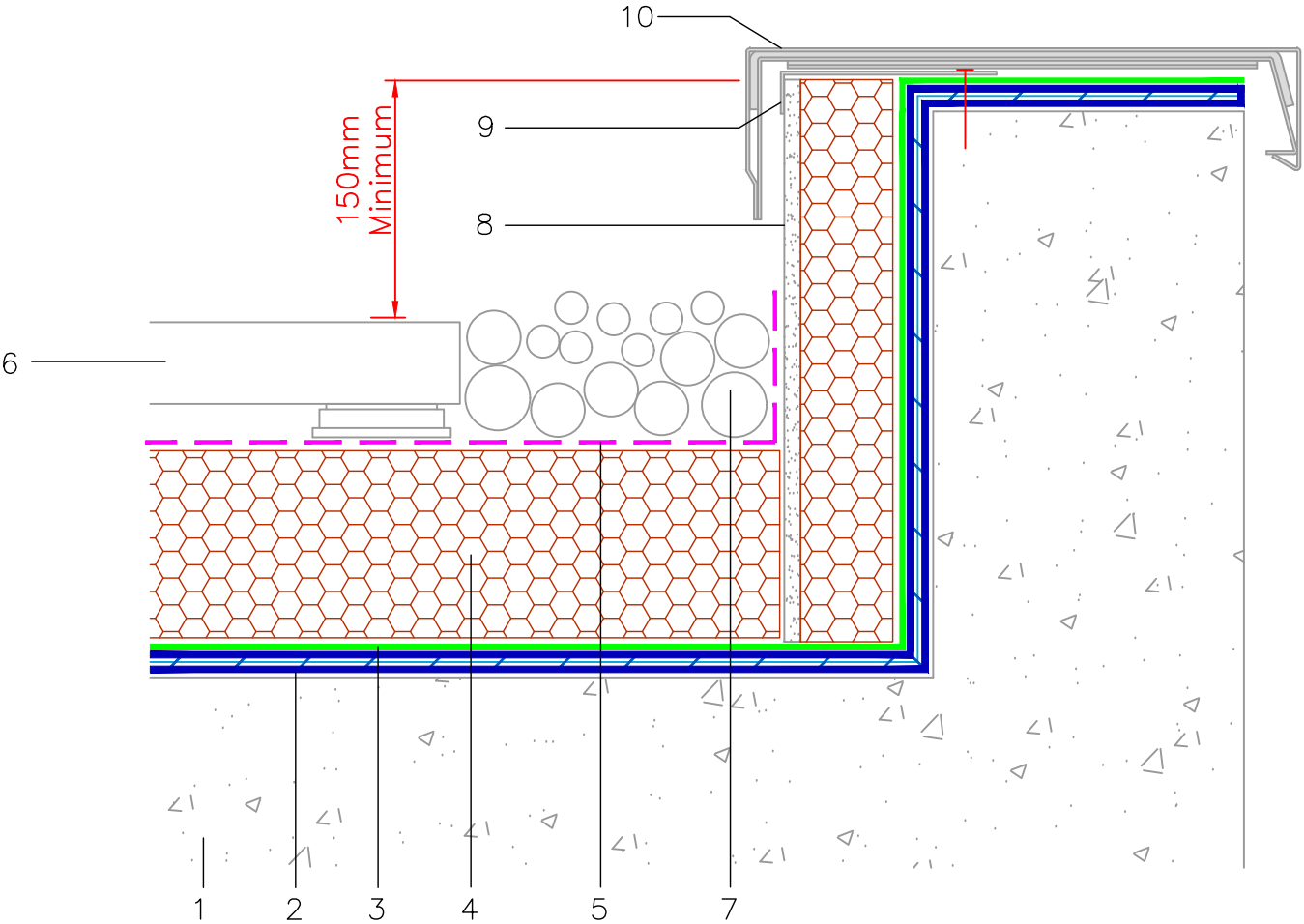
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ME

Revision:

Sheet No:

PT.6A



SECTION KEY:

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

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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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.



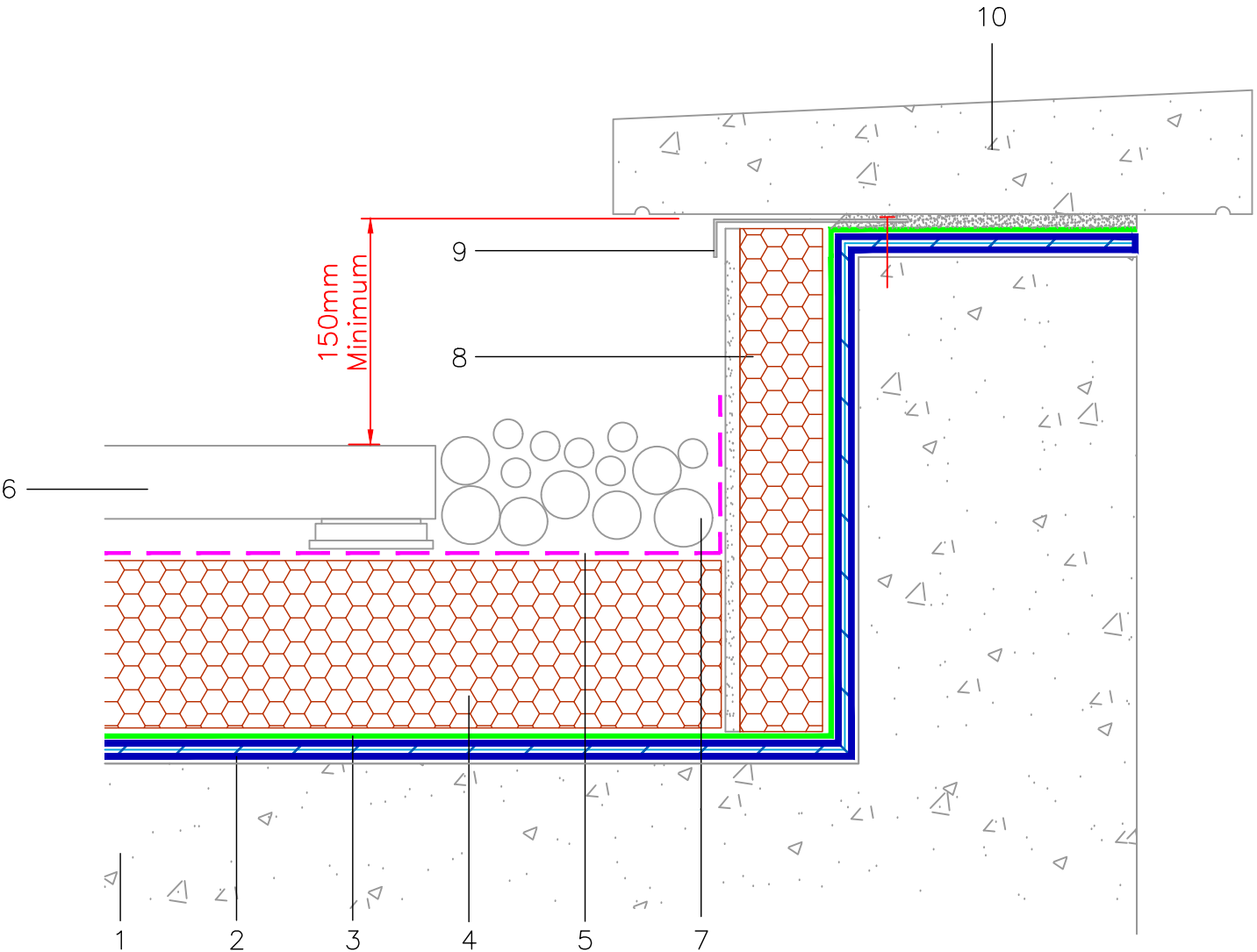
Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:
TYPICAL PARAPET WITH COPING

Date: July 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.6B	



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

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STANDARD DETAIL

Drawing Title:

TYPICAL INSULATED UPSTAND

Date:

July 2024

Scale:

NTS

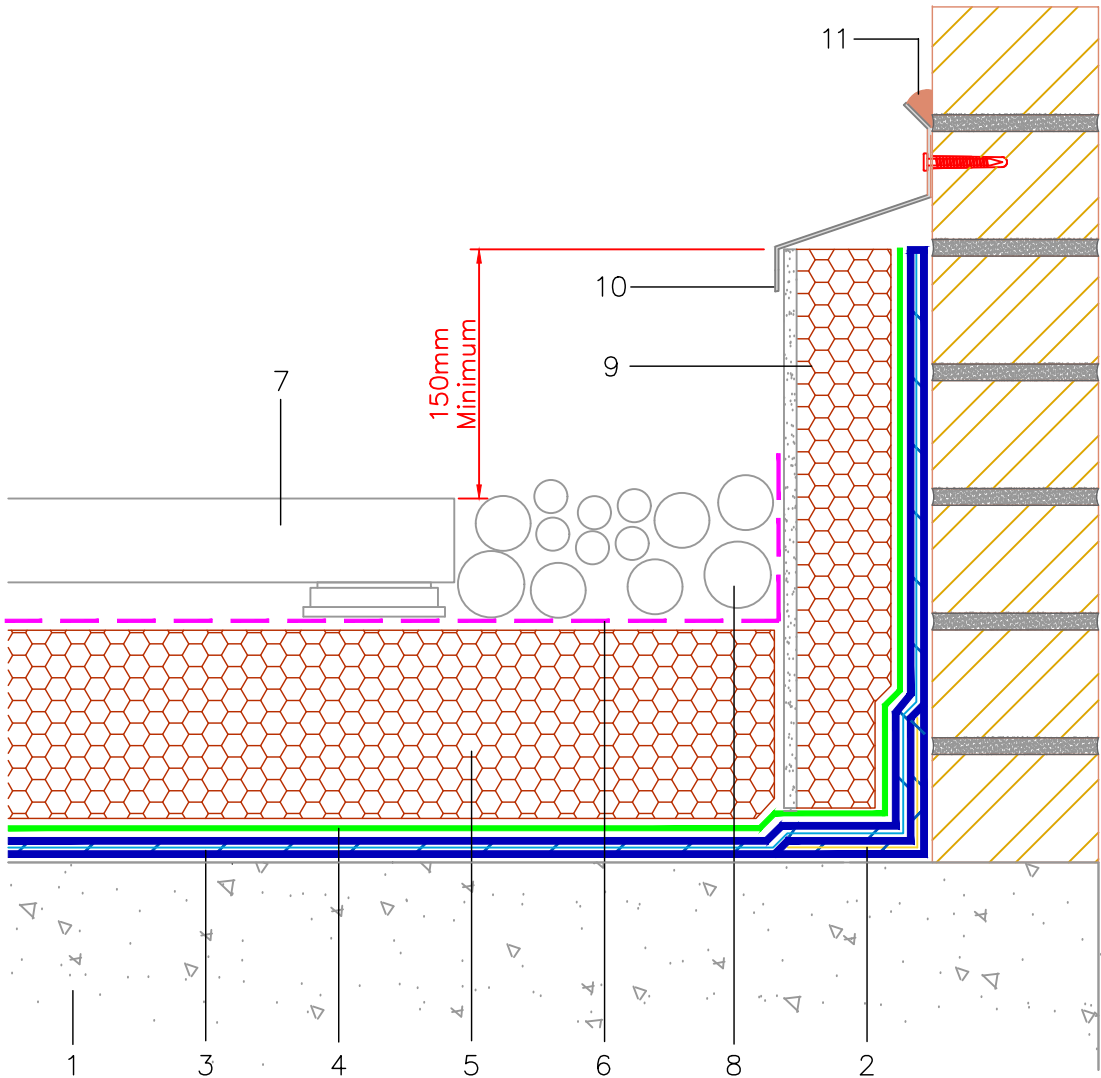
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Revision:

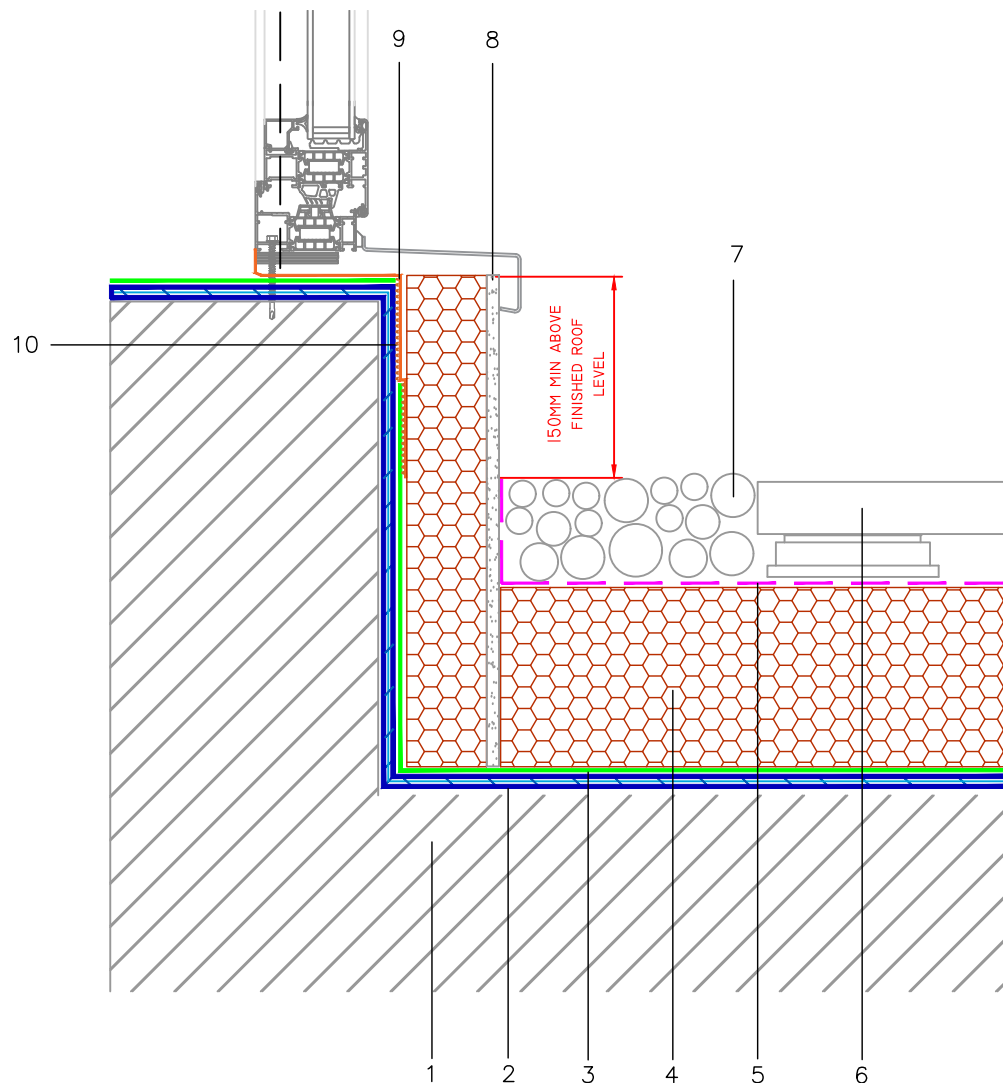
Sheet No:

PT.6C



SECTION KEY:

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



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

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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.

IKO permatec
Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:

TYPICAL CILL DETAIL

Date:

July 2024

Scale:

NTS

Drawn by:

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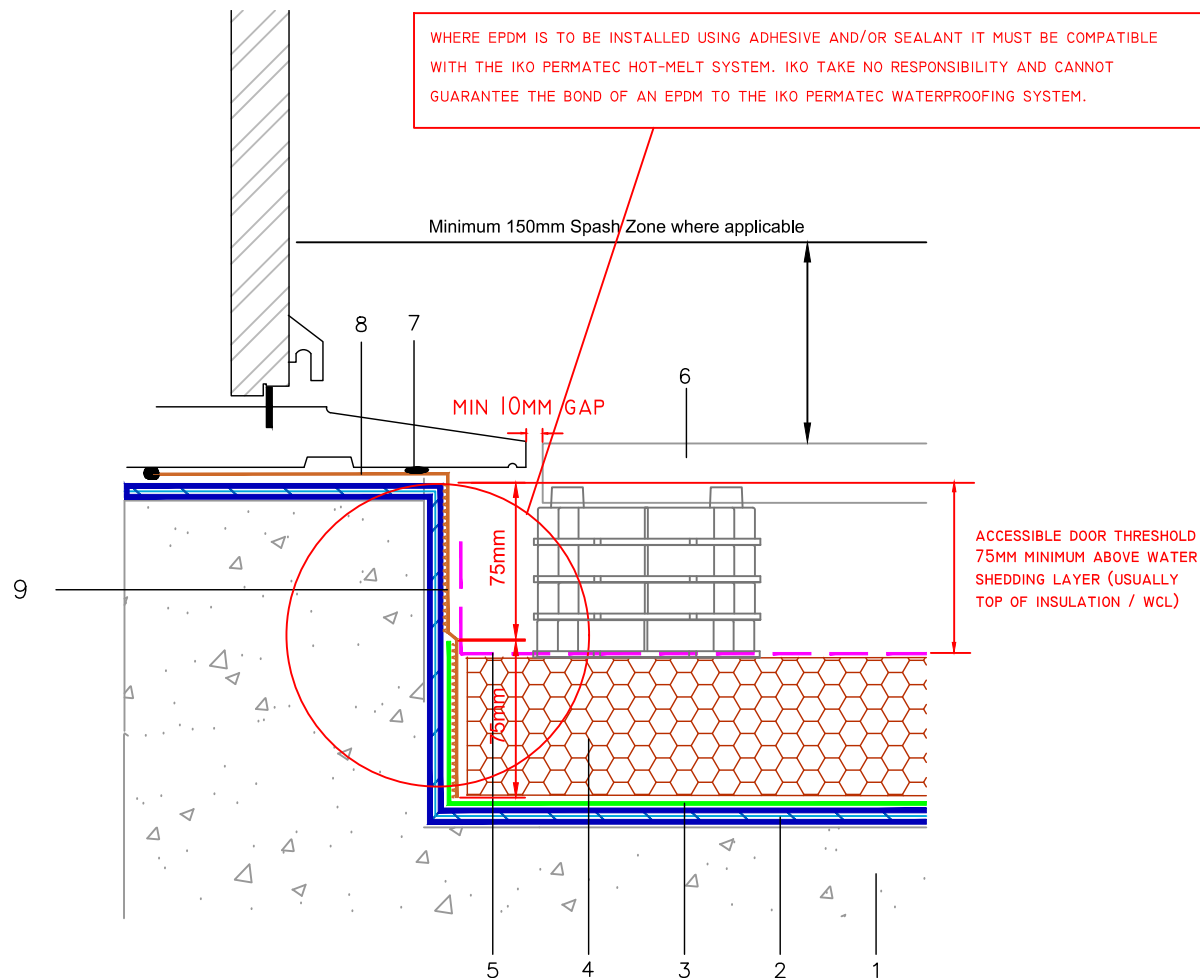
Revision:

Sheet No:

PT.6D

SECTION KEY:

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



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.

A 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 then 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:

TYPICAL LEVEL ACCESS DOOR
THRESHOLD

Date:

April 2024

Scale:

NTS

Drawn by:

ME

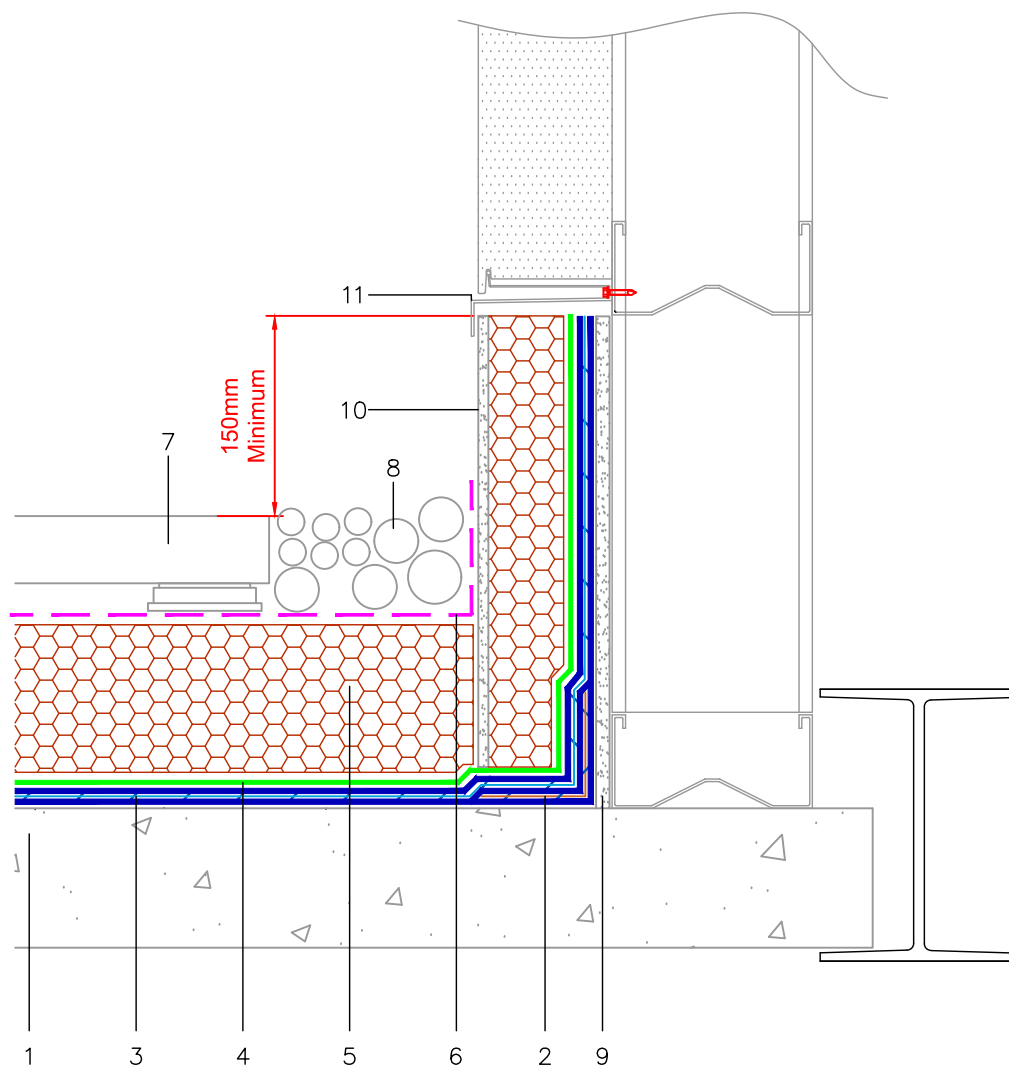
Revision:

Sheet No:

PT.6E

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. 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 3. PERMAGUARD-F PROTECTION LAYER | 7. BITUMEN COMPATIBLE SEALANT |
| 4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 8. EPDM LAPPED <u>OVER PERMATEC</u> WATERPROOFING SYSTEM AS SHOWN |



SECTION KEY:	1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER	7. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS
	2. PERMAFLASH-DI50 DETAILING STRIP BONDED IN PERMATEC LI	8. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE
	3. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT	9. 12MM EXTERIOR GRADE CEMENT BONDED PARTICLE BOARD
	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, INSULATION RETENTION CLIP
	6. IKO ENERTHERM WCL (WATER CONTROL 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.

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

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STANDARD DETAIL

Drawing Title:

TYPICAL UP-STAND
TO METSEC WALL

Date:

July 2024

Scale:

NTS

Drawn by:
ME

Revision:

Sheet No:
PT.6G

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 INSULATED
CHANGE IN LEVEL

Date:

July 2024

Scale:

NTS

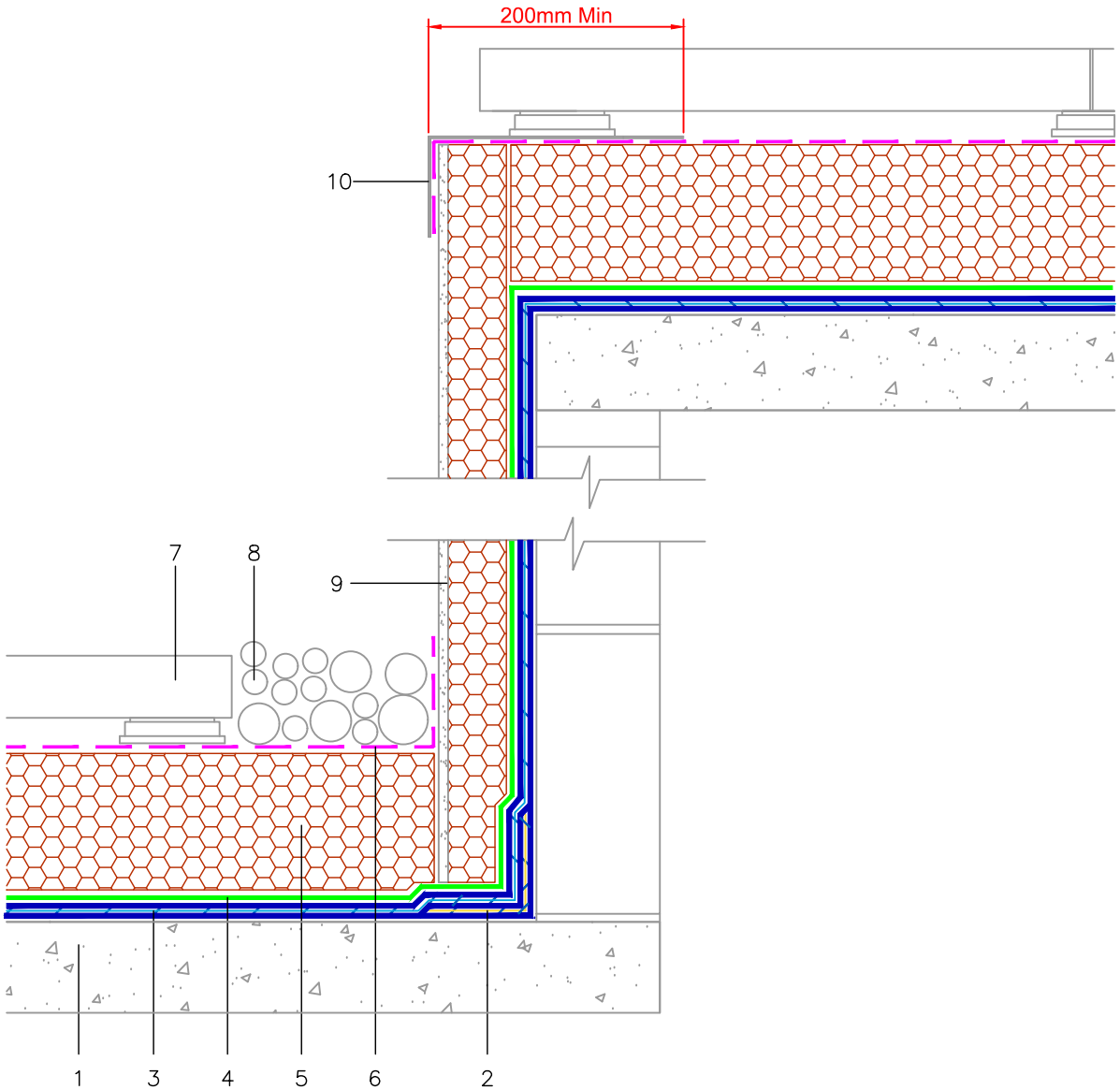
Drawn by:

ME

Revision:

Sheet No:

PT.6H



SECTION KEY:

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

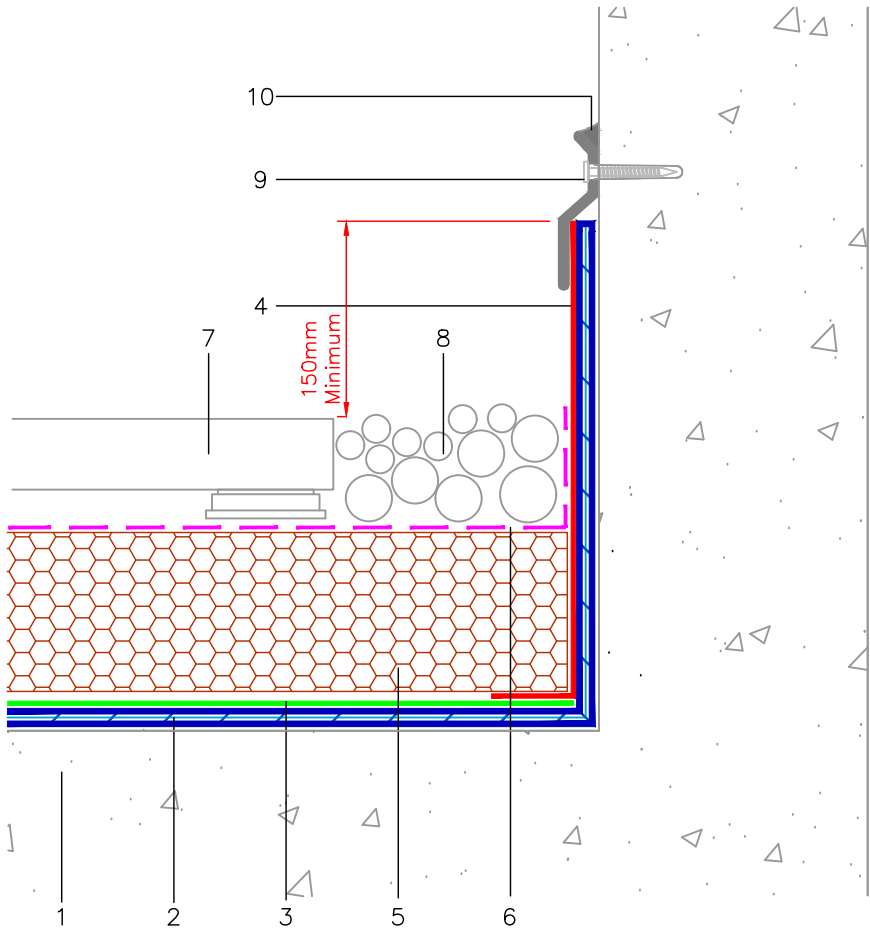


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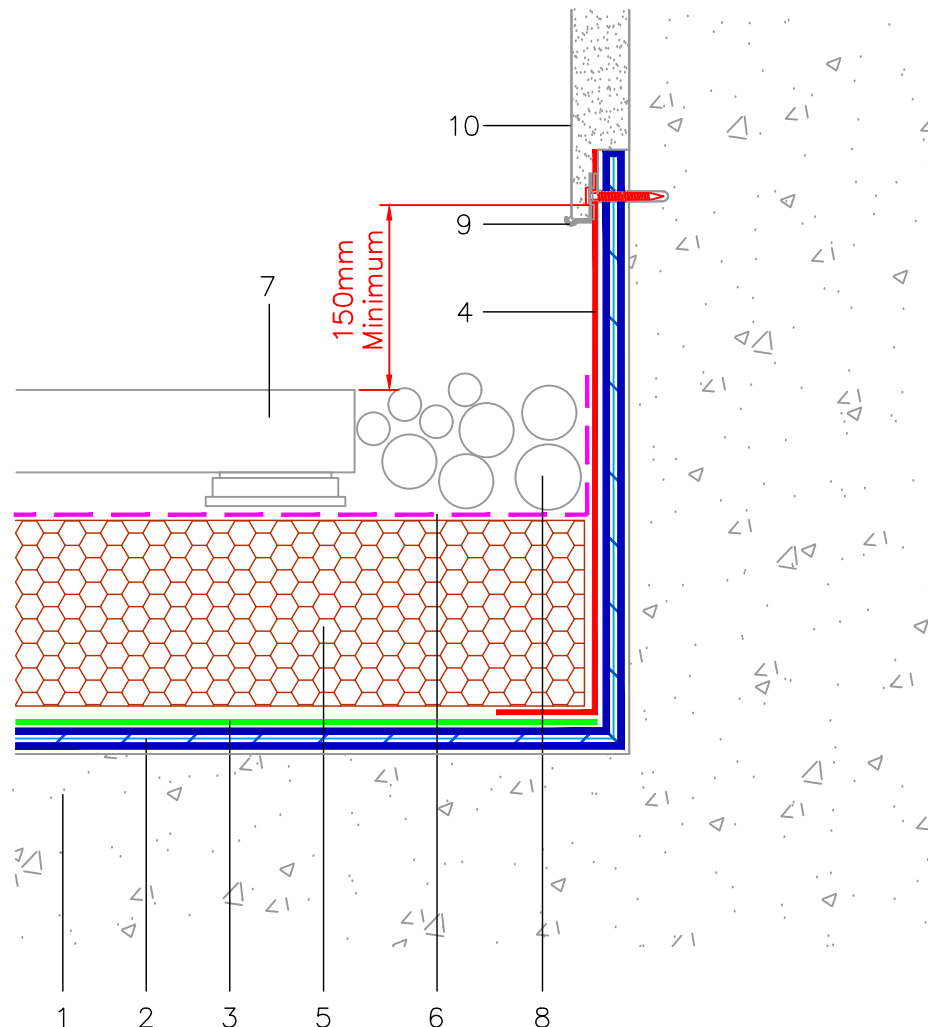
STANDARD DETAIL

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

Date: April 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.6I	



SECTION KEY:	1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER	6. IKO ENERTHERM WCL (WATER CONTROL LAYER)
	2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT	7. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS
	3. PERMAGUARD-F PROTECTION LAYER	8. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE
	4. PERMAGUARD-M PROTECTION LAYER (MINERAL FACED, USED FOR EXPOSED AREAS)	9. TERMINATION BAR WITH FIXING
	5. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD	10. SEALANT



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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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Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:

TYPICAL RENDERED
UP-STAND

Date:

April 2024

Scale:

NTS

Drawn by:

ME

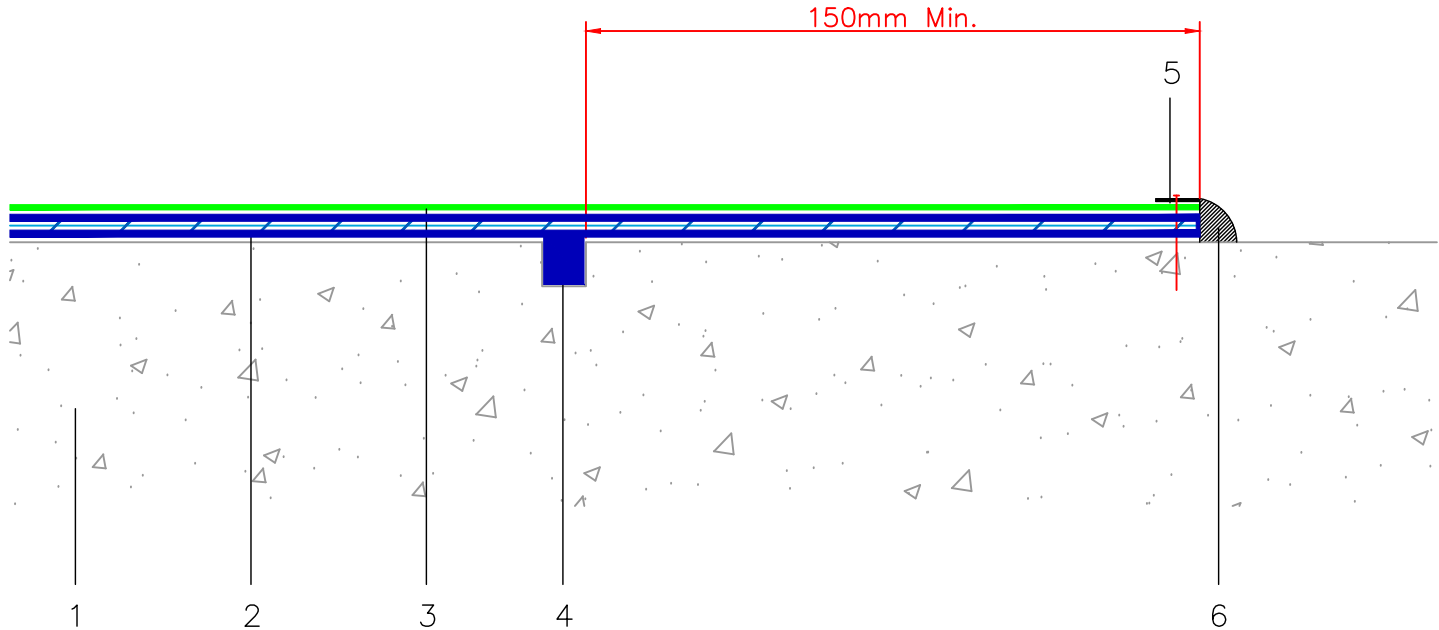
Revision:

Sheet No:

PT.6J

SECTION KEY:

- | | |
|--|--|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 6. IKO ENERTHERM WCL (WATER CONTROL LAYER) |
| 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 7. MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS |
| 3. PERMAGUARD-F PROTECTION LAYER | 8. MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE |
| 4. PERMAGUARD-M PROTECTION LAYER (MINERAL FACED, USED FOR EXPOSED AREAS) | 9. RENDER STOP BEAD |
| 5. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD | 10. SURFACE RENDER |



Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:
HORIZONTAL EDGE
TERMINATION

SECTION KEY:

- | | |
|---|---|
| 1. CONCRETE DECK PRIMED WITH PERMATEC PRIMER | 4. 25 x 25MM CUT FILLED WITH PERMATEC LI |
| 2. TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT | 5. METAL TERMINATION BAR FIXED AT 150MM CRS |
| 3. PERMAGUARD-F PROTECTION LAYER (PERMAGUARD-M IF TO BE LEFT EXPOSED TO UV) | 6. BITUMEN COMPATIBLE SEALANT |

Date: April 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.6K	

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

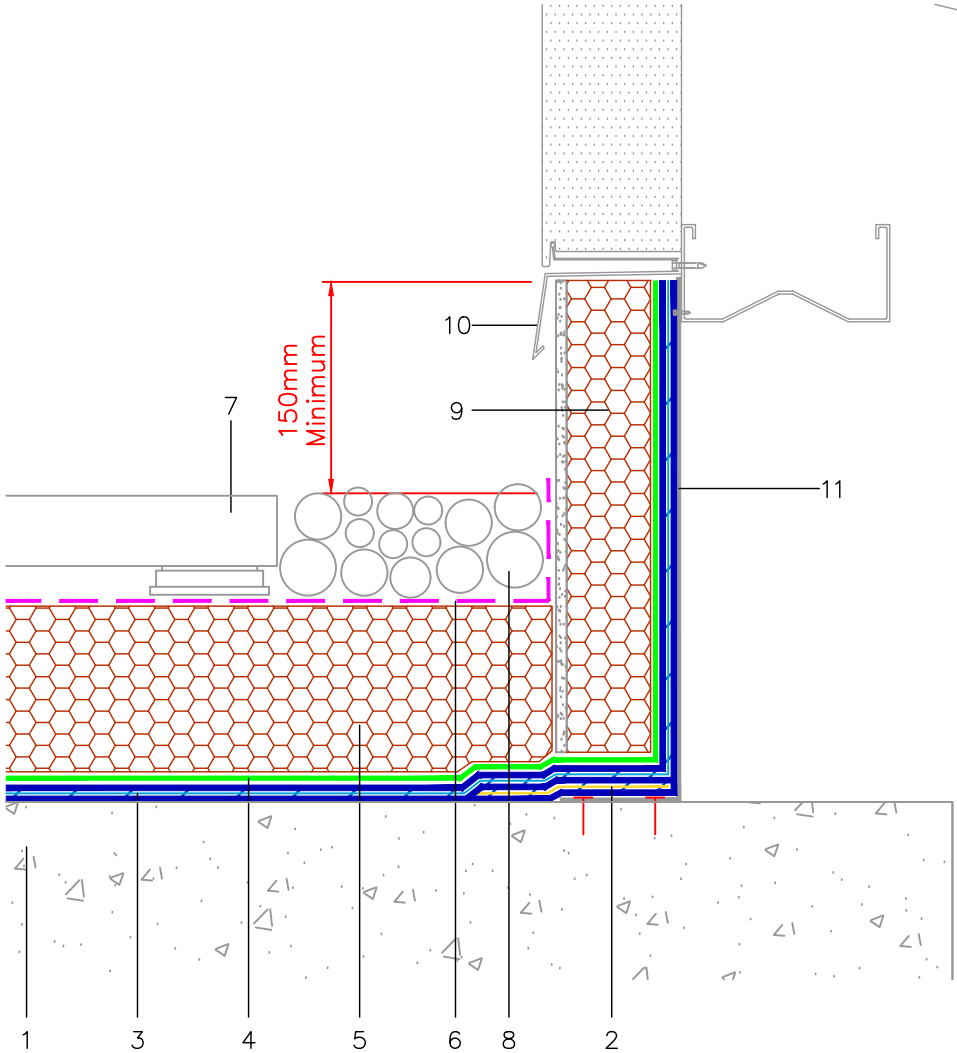
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STANDARD DETAIL

Drawing Title:
TYPICAL METAL ANGLED CLOSER TO UP-STAND

Date:	Scale:
July 2024	NTS

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



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

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:

TYPICAL WARM ROOF LIFT OVERRUN
JOIN TO WARM ROOF BUR

Date:

July 2024

Scale:

NTS

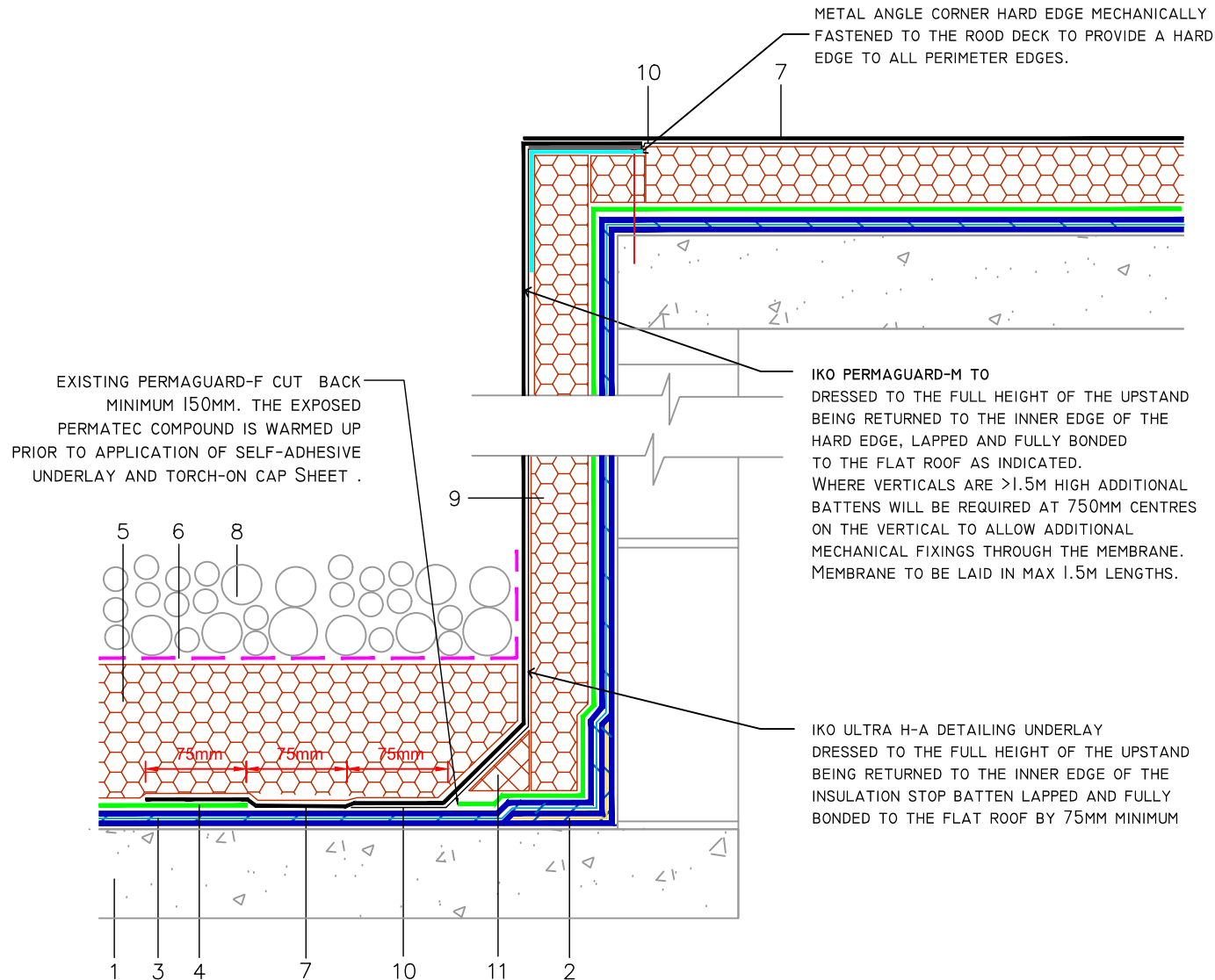
Drawn by:

ME

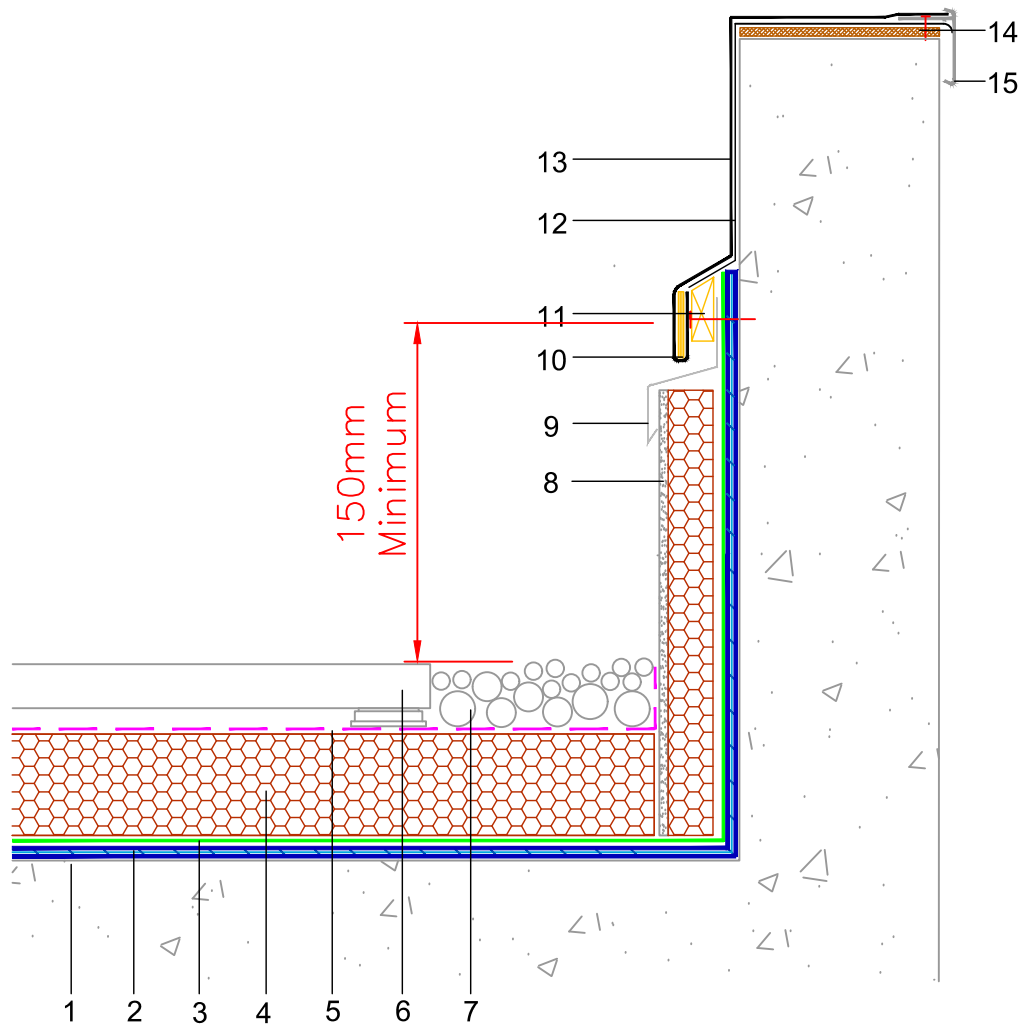
Revision:

Sheet No:

PT.6M



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

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:

TYPICAL PERMATEC TO BUR PARAPET

Date: July 2024		Scale: NTS	
Drawn by: ME	Revision:	Sheet No: PT.7A	

SECTION KEY:	1.	CONCRETE DECK PRIMED WITH PERMATEC PRIMER	9.	FLASHING
	2.	TWO COATS OF PERMATEC LI INCORPORATING PERMAFLASH-R REINFORCEMENT	10.	6MM THICK PLYWOOD DRIP FORMER
	3.	PERMAGUARD-F PROTECTION LAYER	11.	TIMBER DRIP BATTEN
	4.	IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD	12.	IKO ULTRA H-A DETAILING UNDERLAY
	5.	IKO ENERTHERM WCL (WATER CONTROL LAYER)	13.	IKO PERMAGUARD-M TO
	6.	MINIMUM 40MM THICK PAVING SLABS ON PROPRIETARY SUPPORTS	14.	TIMBER CAPPING
	7.	MINIMUM 50MM LAYER OF 20-40MM ROUNDED WASHED AGGREGATE	15.	IKO GRP TRIM
	8.	IKO ETHERM UPSTAND BOARD WITH CEMENTITIOUS FACING		

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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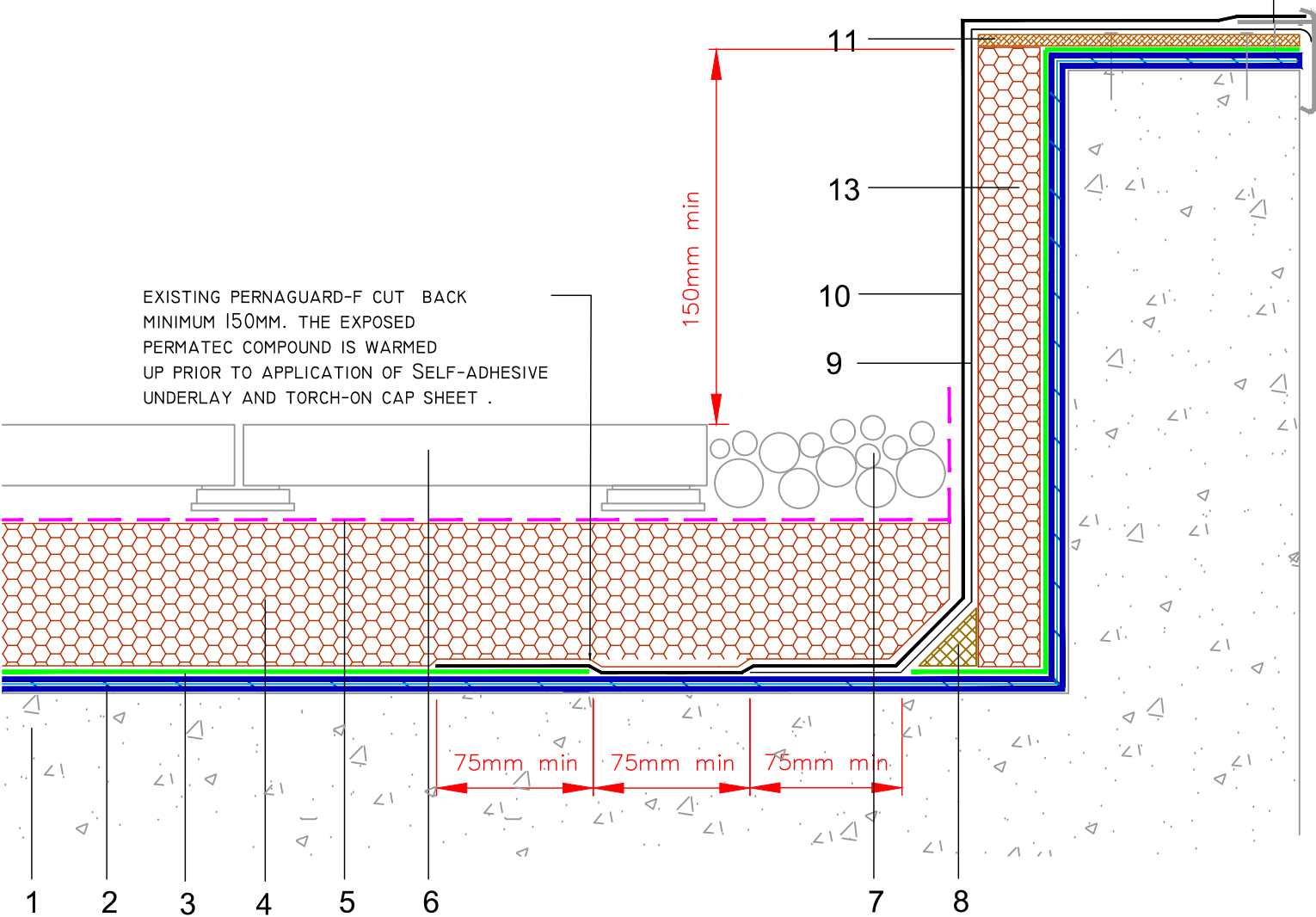
STANDARD DETAIL

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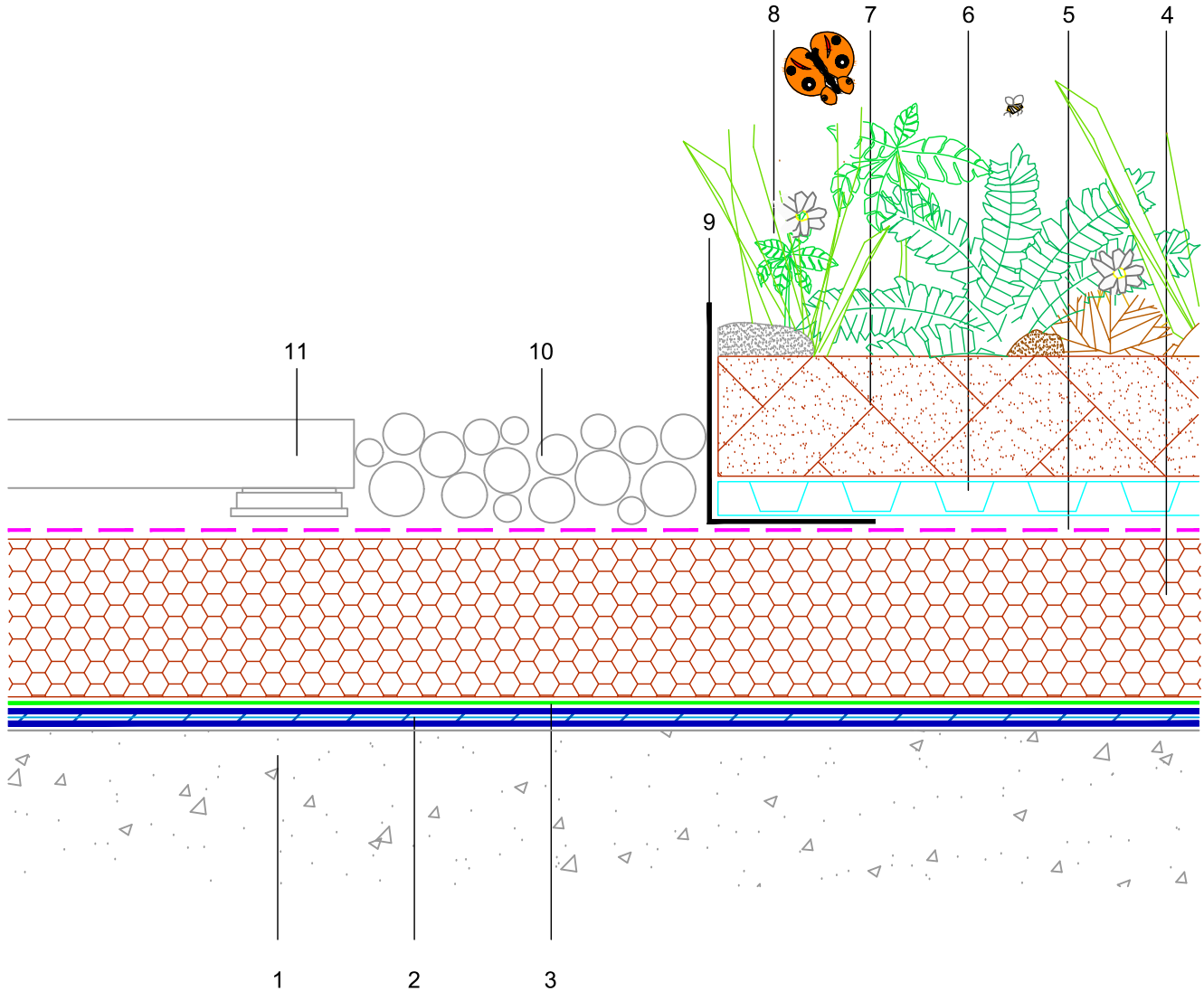
TYPICAL WARM BUR PARAPET

Date: July 2024 Scale: NTS

Drawn by: ME Revision: Sheet No: PT.7B



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



SECTION KEY:

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

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.



Hot Melt Waterproofing System

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STANDARD DETAIL

Drawing Title:

**TYPICAL BIODIVERSE/PAVING
INTERFACE**

Date:

May 2024

Scale:

NTS

Drawn by:

ME

Revision:

Sheet No:

PT.8A

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).

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.

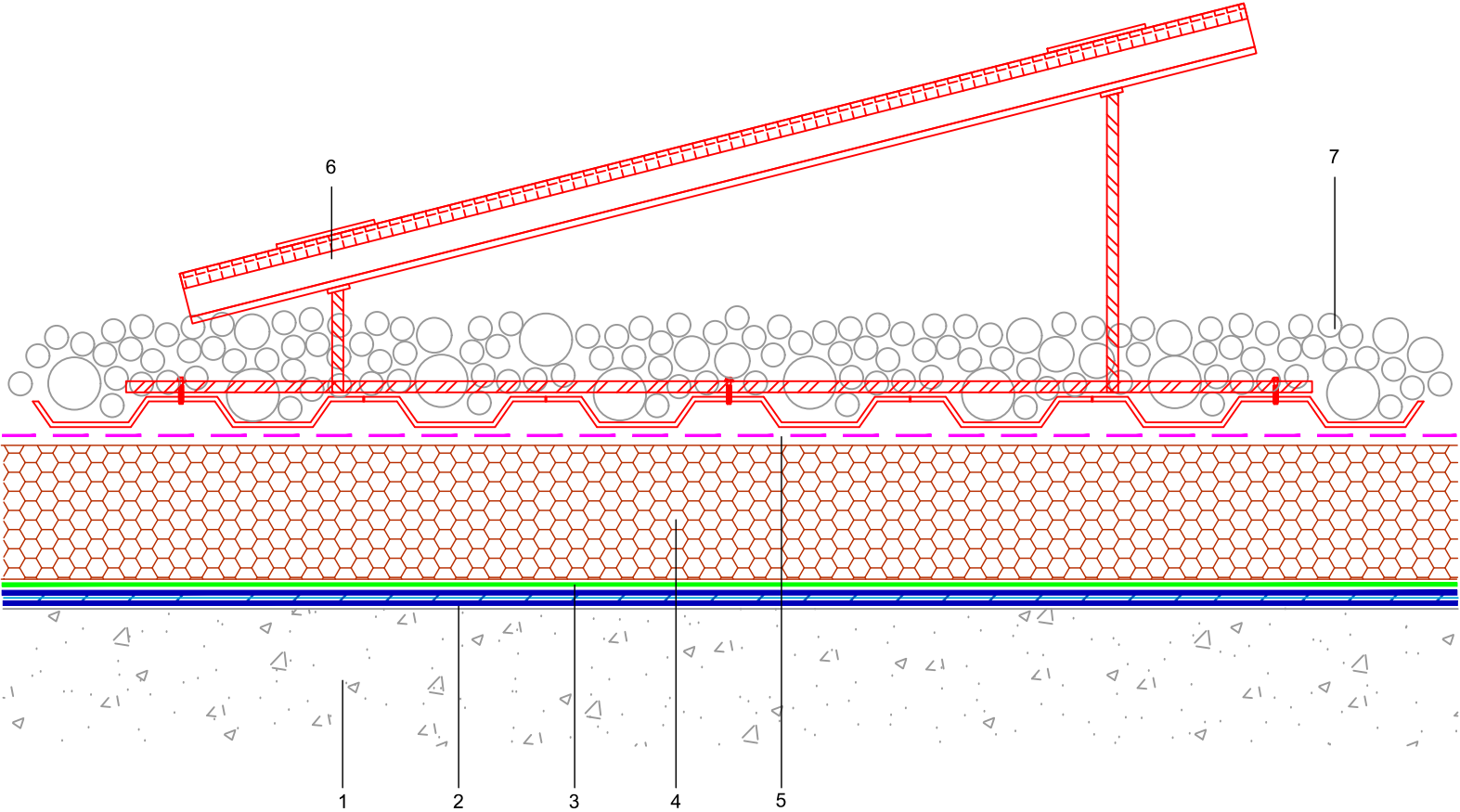


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STANDARD DETAIL

Drawing Title:
TYPICAL INVERTED ROOF
WITH PV PANNEL

Date:	Scale:	
May 2024	NTS	
Drawn by:	Revision:	Sheet No:
ME		PT.8B



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. PV PANNEL ASSEMBLY
	3. PERMAGUARD-F PROTECTION LAYER	7. MINIMUM 50MM LAYER OF 20 - 40MM ROUNDED WASHED AGGREGATE OR GREEN ROOF SYSTEM
	4. IKO ENERTHERM XPS/EPS INVERTED ROOF INSULATION BOARD	



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