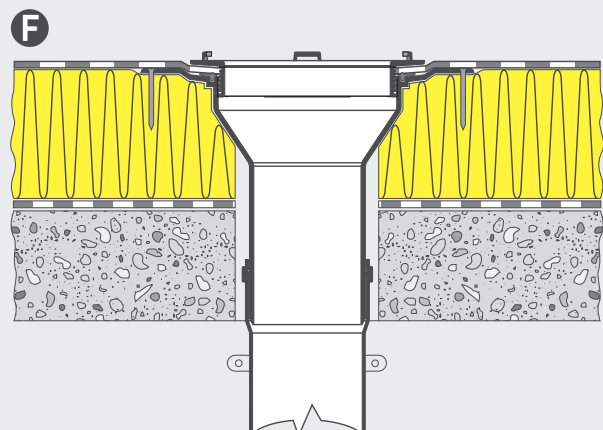
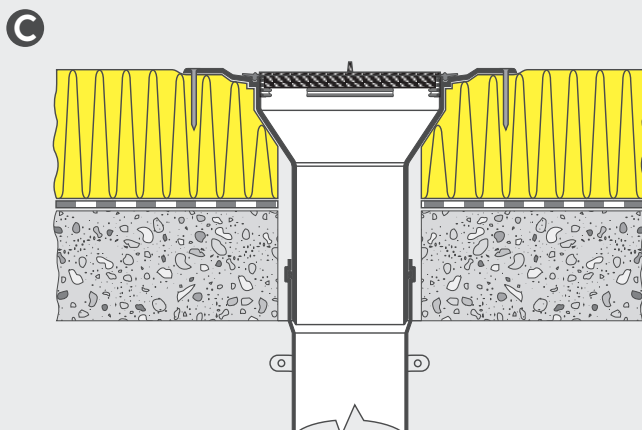
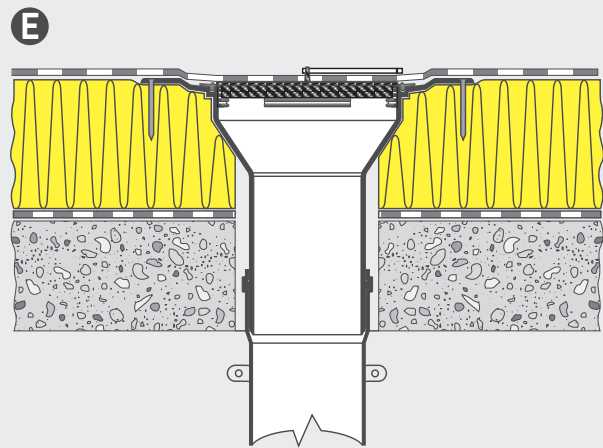
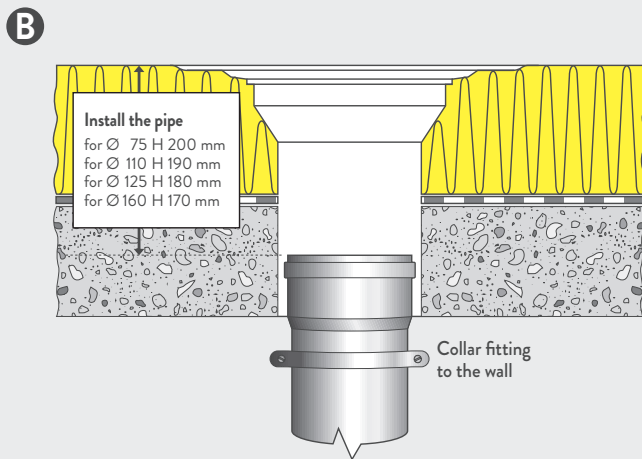
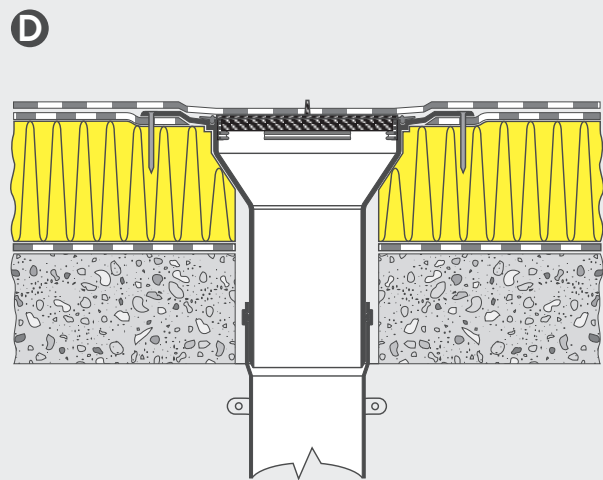
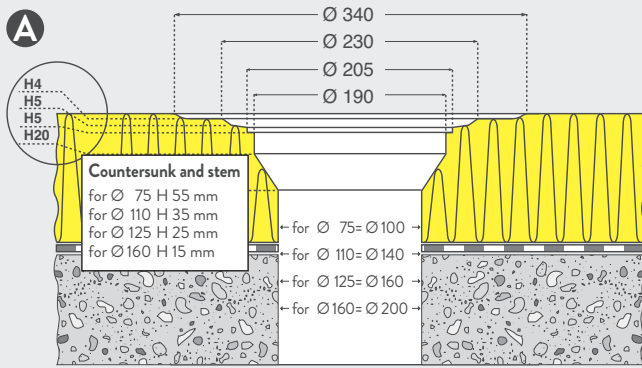
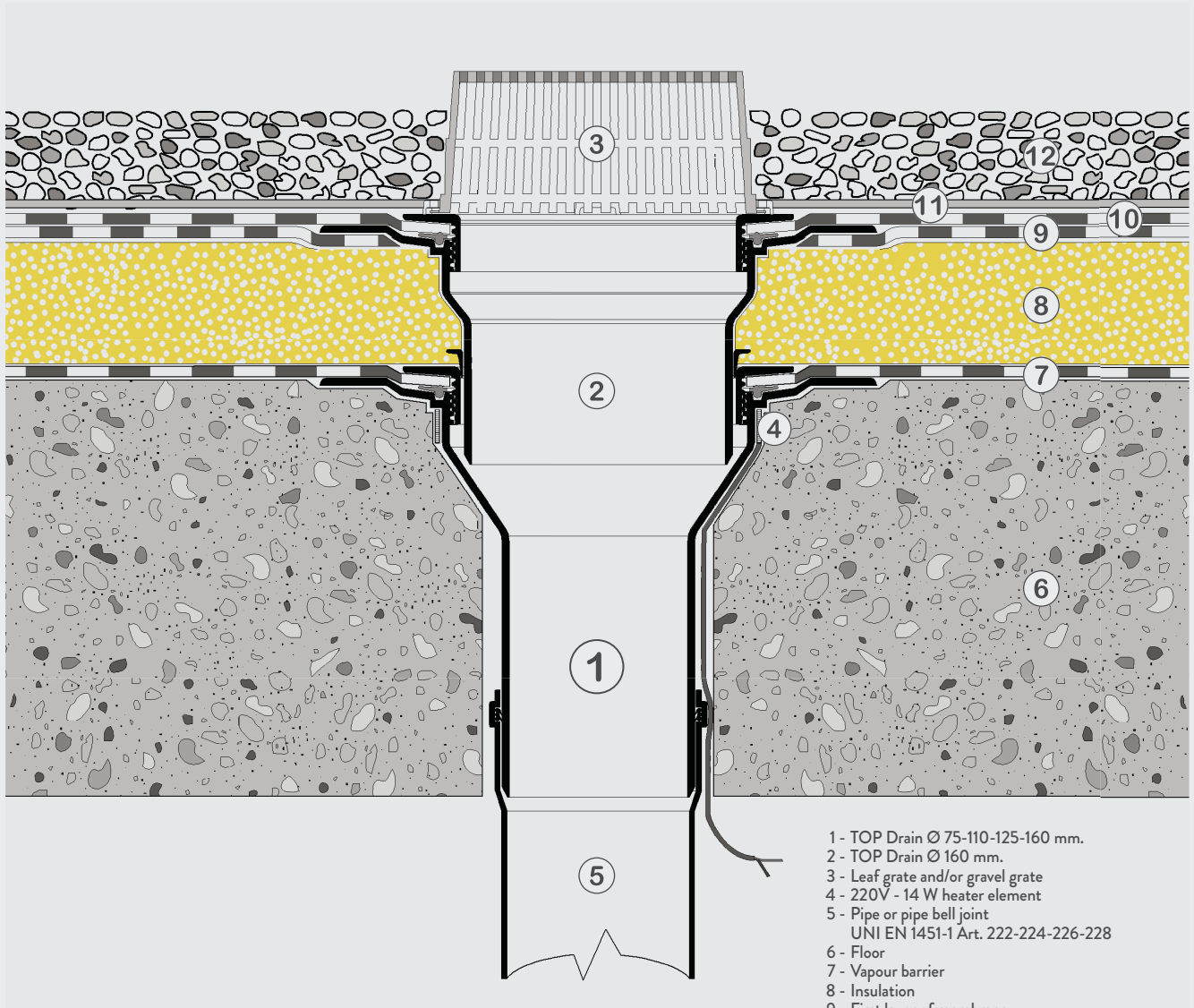


# INSTALLATION METHOD

- 1 - An appropriately dimensioned seat of the drain and the down pipe must be prepared through the various layers (fig. A).
- 2 - The down pipe is fitted using the special collars under the bell of the pipe (fig. B).
- 3 - Insert the drain and cover into the bell or the hose and mail into position (fig. C) (check that the seal is correctly positioned in its seat).
- 4 - In the case a multi-layer waterproofing system, the drain unit be installed on top of the first waterproofing layer. The area around the flange must be heated in proximity of the flange without the flame coming into direct contact with the drain unit, the unit is placed in position, ensuring that the flange is properly positioned and sealed (fig. D).
- 5 - Install the waterproofing membrane (in the case of bituminous membranes it should be heated gently and adhered to the cover) avoid forming joints in proximity of the drain unit. After completing installation, press on the central pin so that it protrudes, and using the handy cutting guide and look blade cut the circular piece over the cover itself (fig. E).
- 6 - Remove the cover, and manually screw down the ring using the lungs until it is sufficiently tight. Position the leaf or gravel guard in the locating holes (fig. F).

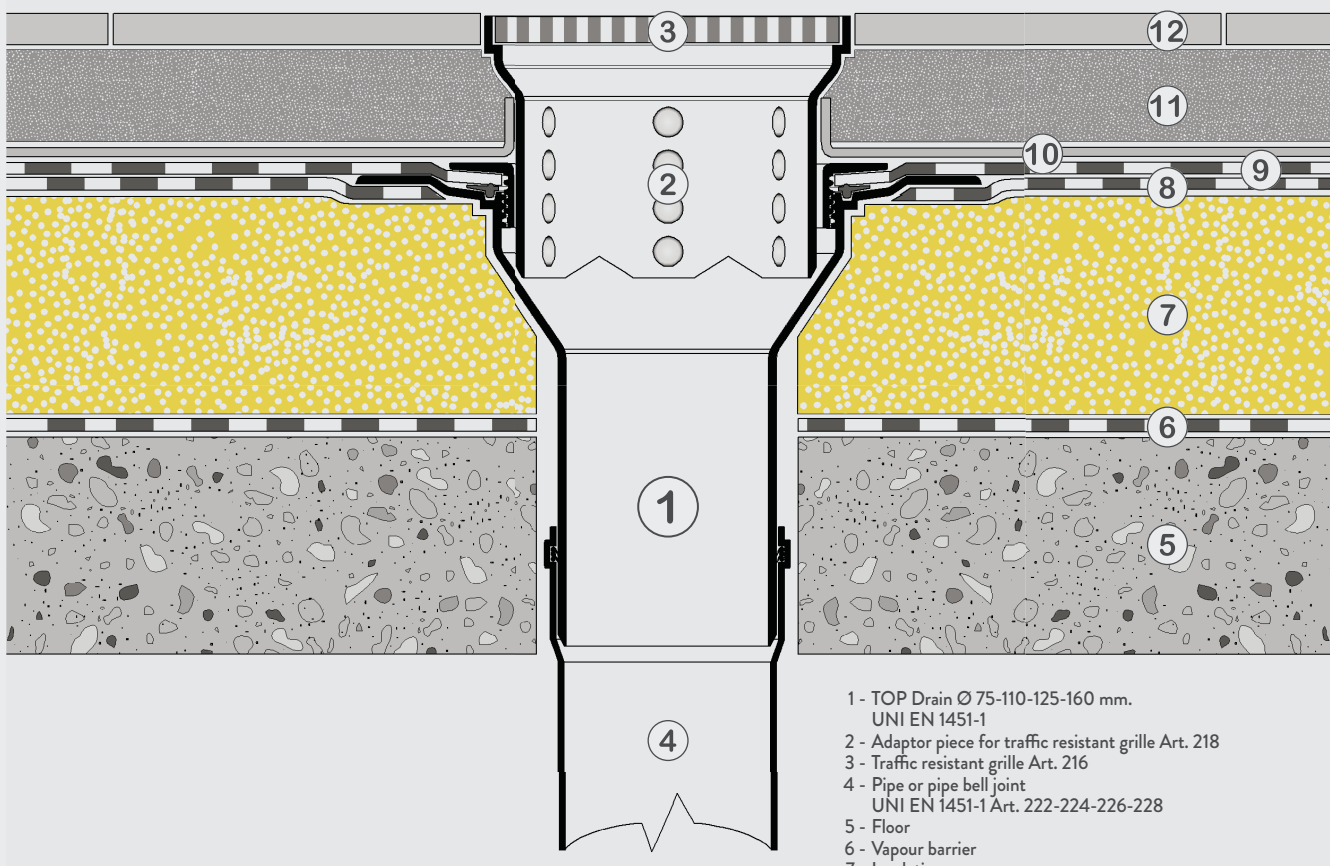


**INSTALLATION METHOD****Example 1****04.2  
"TOP"  
DRAIN****INDUSTRIAL  
ROOF WITH  
DOUBLE  
DRAIN**

- 1 - TOP Drain Ø 75-110-125-160 mm.
- 2 - TOP Drain Ø 160 mm.
- 3 - Leaf grate and/or gravel grate
- 4 - 220V - 14 W heater element
- 5 - Pipe or pipe bell joint  
UNI EN 1451-1 Art. 222-224-226-228
- 6 - Floor
- 7 - Vapour barrier
- 8 - Insulation
- 9 - First layer of membrane
- 10 - Second layer of membrane
- 11 - Non woven fabric
- 12 - Washed gravel 5-6 cm.

**NOTE:** the drawing shows points 8-9 application with two layers of bituminous membranes. This type of membrane can be substituted with other types of single-ply membranes in PVC - ECB - PP - EPDM, etc.

## WALKABLE ROOF



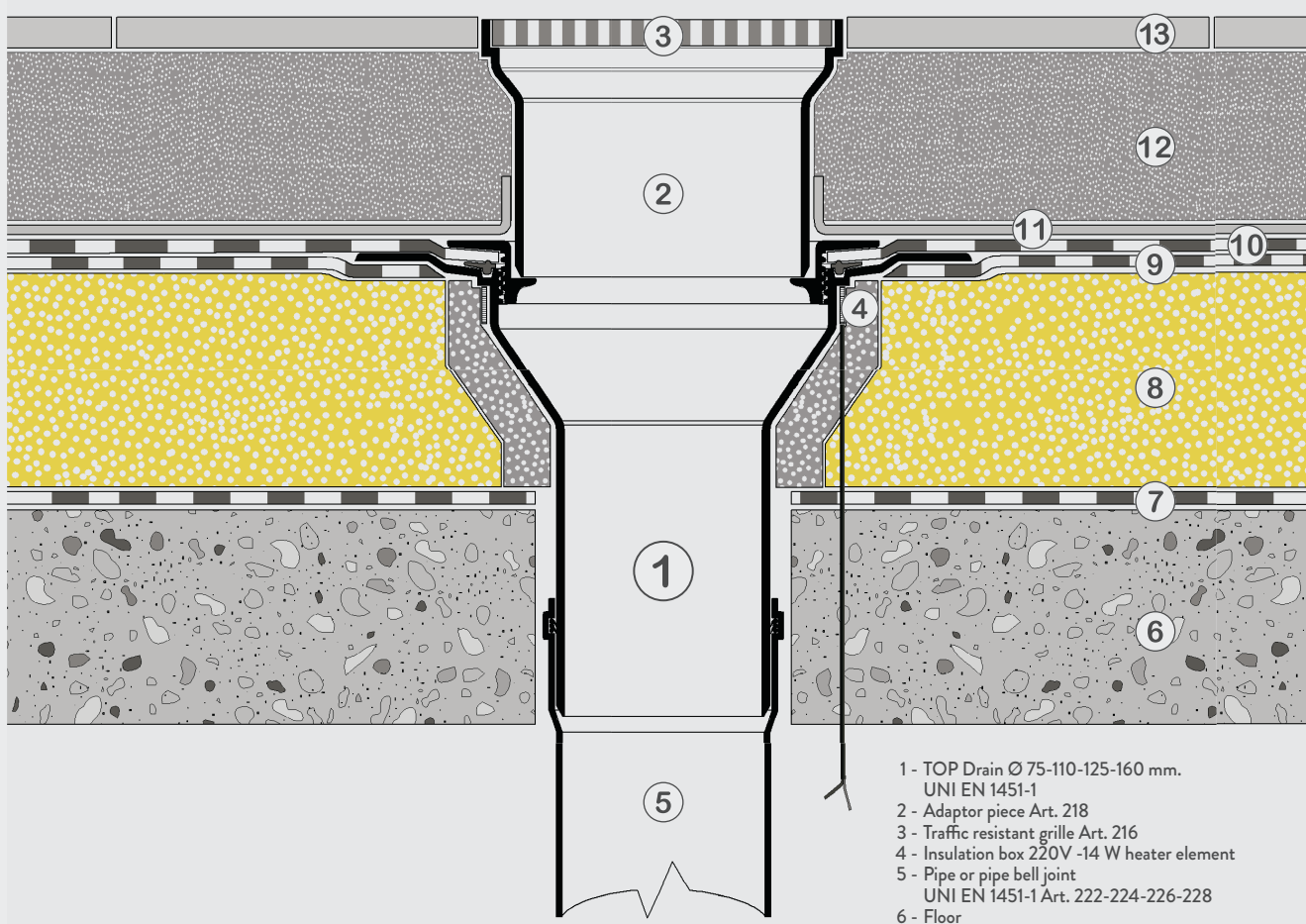
- 1 - TOP Drain Ø 75-110-125-160 mm.  
UNI EN 1451-1
- 2 - Adaptor piece for traffic resistant grille Art. 218
- 3 - Traffic resistant grille Art. 216
- 4 - Pipe or pipe bell joint  
UNI EN 1451-1 Art. 222-224-226-228
- 5 - Floor
- 6 - Vapour barrier
- 7 - Insulation
- 8 - First layer of membrane
- 9 - Second layer of membrane
- 10 - Separation layer
- 11 - Anti slip tiles
- 12 - Anti slip and anti freezing tiles

**NOTE:** the drawing shows points 8-9 application with two layers of bituminous membranes. This type of membrane can be substituted with other types of single-ply membranes in PVC - ECB - PP - EPDM, etc.

# INSTALLATION METHOD Example 3

## 04.2 "TOP" DRAIN

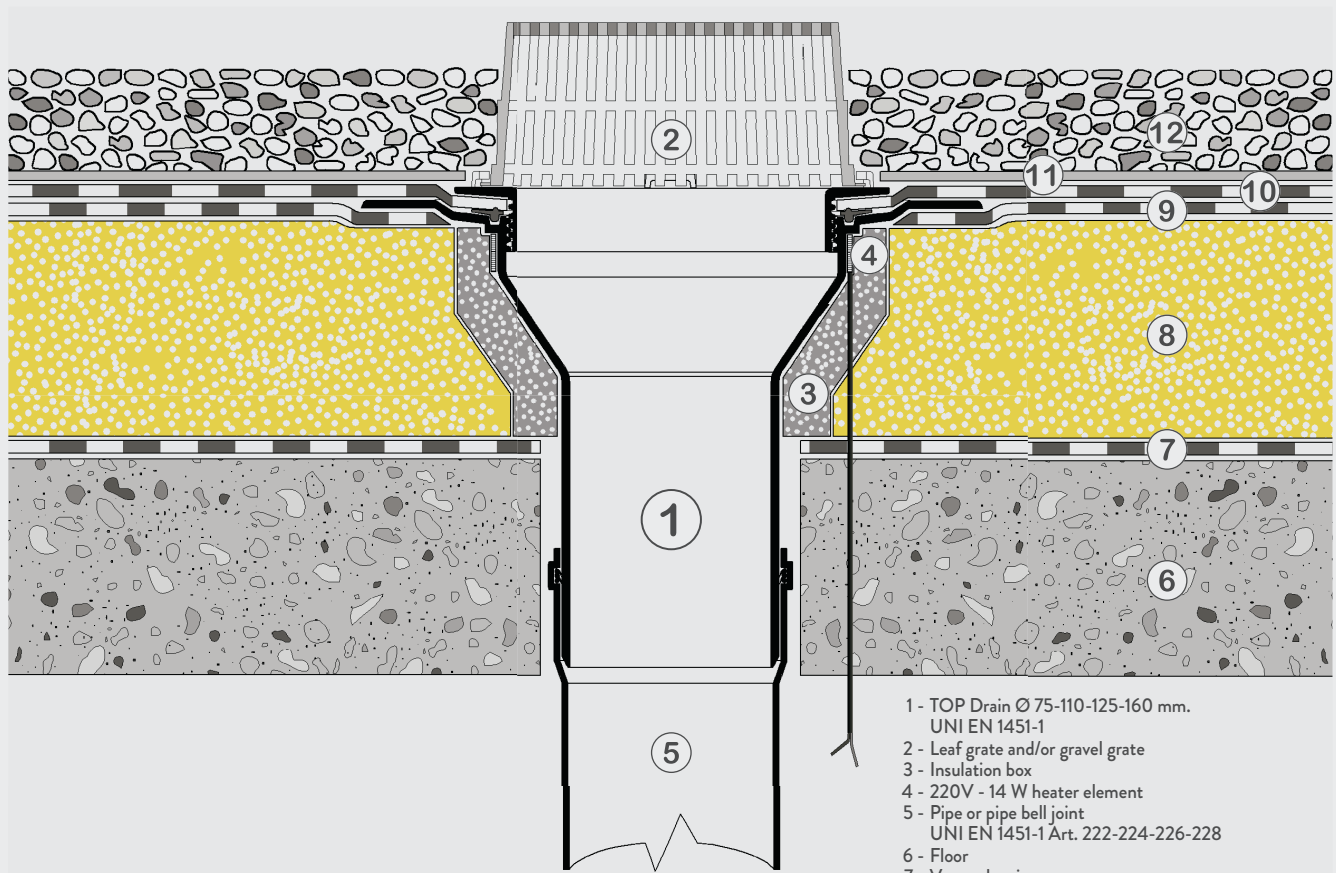
### WALKABLE ROOF



- 1 - TOP Drain Ø 75-110-125-160 mm.  
UNI EN 1451-1
- 2 - Adaptor piece Art. 218
- 3 - Traffic resistant grille Art. 216
- 4 - Insulation box 220V -14 W heater element
- 5 - Pipe or pipe bell joint  
UNI EN 1451-1 Art. 222-224-226-228
- 6 - Floor
- 7 - Vapour barrier
- 8 - Insulation
- 9 - First layer of membrane
- 10 - Second layer of membrane
- 11 - Non woven fabric
- 12 - Concrete deck
- 13 - Anti slip and anti freezing tiles

**NOTE:** the drawing shows points 9-10 application with two layers of bituminous membranes. This type of membrane can be substituted with other types of single-ply membranes in PVC - ECB - PP - EPDM, etc.

## INDUSTRIAL BALASTED ROOF



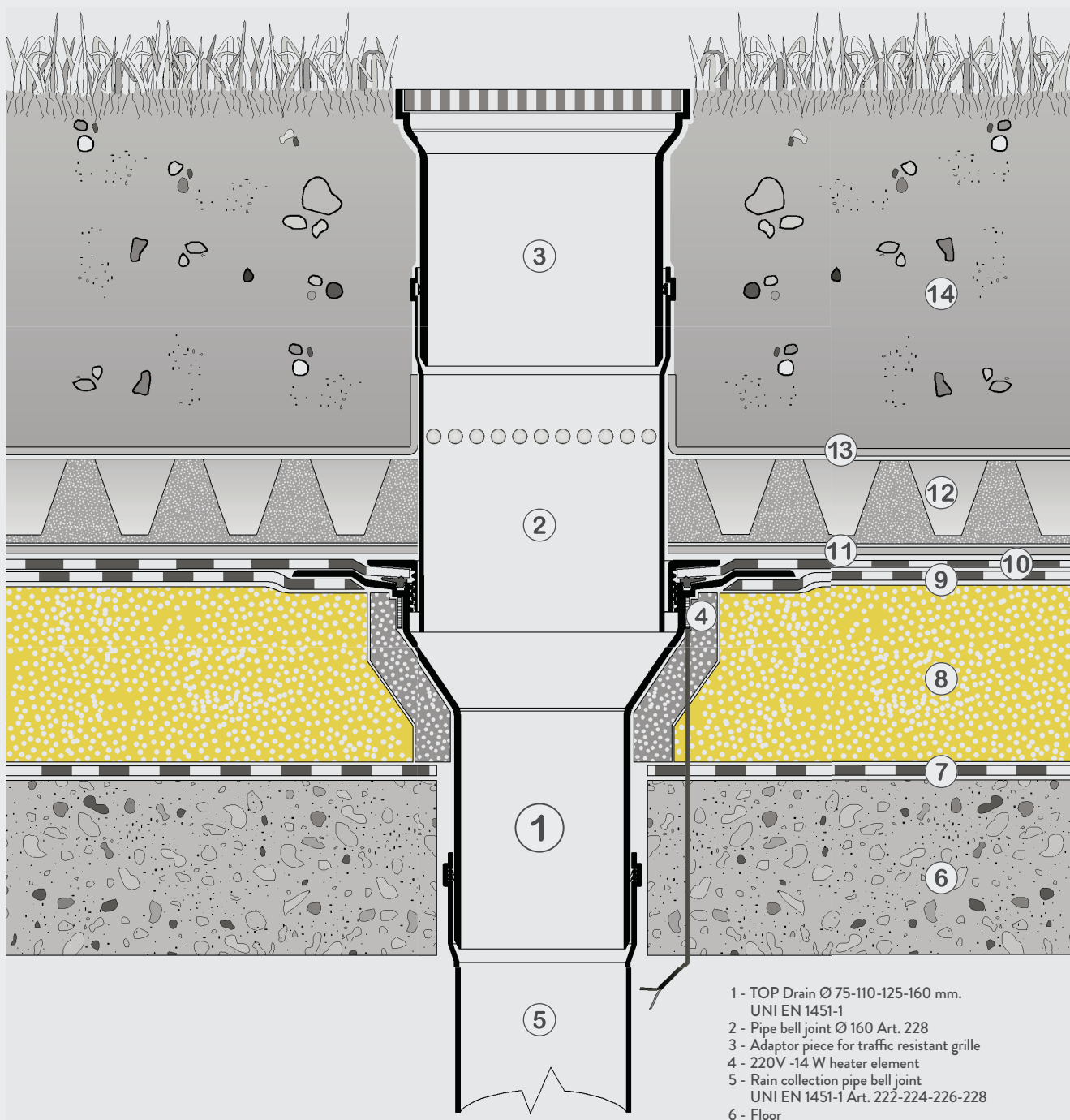
- 1 - TOP Drain Ø 75-110-125-160 mm.  
UNI EN 1451-1
- 2 - Leaf grate and/or gravel grate
- 3 - Insulation box
- 4 - 220V - 14 W heater element
- 5 - Pipe or pipe bell joint  
UNI EN 1451-1 Art. 222-224-226-228
- 6 - Floor
- 7 - Vapour barrier
- 8 - Insulation
- 9 - First layer of membrane
- 10 - Second layer of membrane
- 11 - Non woven fabric
- 12 - Washed gravel 5-6 cm.

**NOTE:** the drawing shows points 9-10 application with two layers of bituminous membranes. This type of membrane can be substituted with other types of single-ply membranes in PVC - ECB - PP - EPDM, etc.

# INSTALLATION METHOD Example 5

04.2  
"TOP"  
DRAIN

## ROOF GARDEN



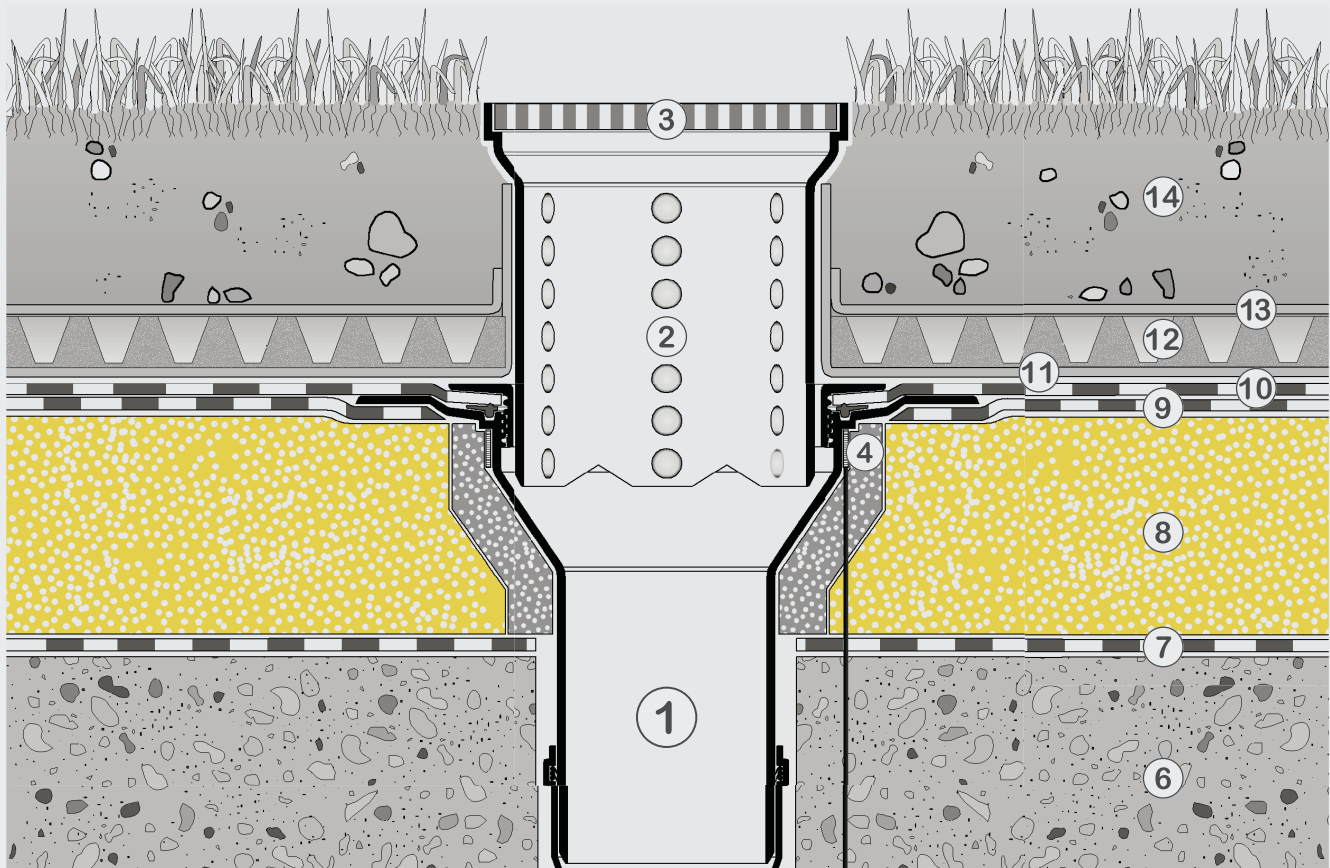
- 1 - TOP Drain Ø 75-110-125-160 mm.  
UNI EN 1451-1
- 2 - Pipe bell joint Ø 160 Art. 228
- 3 - Adaptor piece for traffic resistant grille
- 4 - 220V -14 W heater element
- 5 - Rain collection pipe bell joint  
UNI EN 1451-1 Art. 222-224-226-228
- 6 - Floor
- 7 - Vapour barrier
- 8 - Insulation
- 9 - First anti root layer
- 10 - Second layer of membrane
- 11 - Separation layer non woven fabric
- 12 - Rainwater collection (model Dorken)
- 13 - Separation layer non woven fabric
- 14 - Earth for green roof

**NOTE:** the drawing shows points 9-10 application with two layers of bituminous membranes. This type of membrane can be substituted with other types of single-ply membranes in PVC - ECB - PP - EPDM, etc.

# INSTALLATION METHOD Example 6

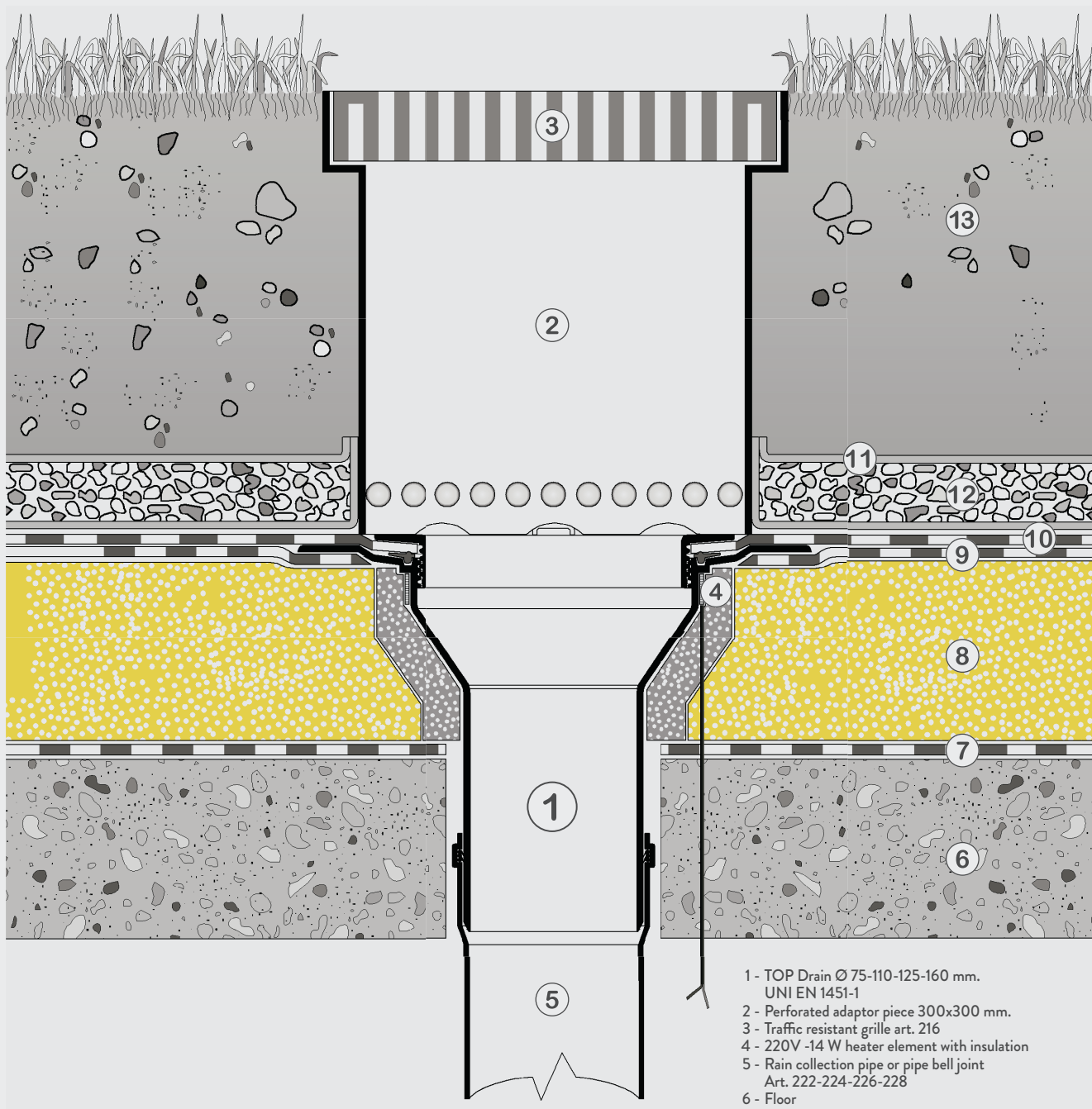
## 04.2 "TOP" DRAIN

### ROOF GARDEN



- 1 - TOP Drain Ø 75-110-125-160 mm.  
UNI EN 1451-1
- 2 - Perforated adaptor piece Art. 218
- 3 - Traffic resistant grille Art. 216
- 4 - 220V - 14 W heater element
- 5 - Rain collection pipe bell joint  
UNI EN 1451-1 Art. 222-224-226-228
- 6 - Floor
- 7 - Vapour barrier
- 8 - Insulation
- 9 - First anti root layer
- 10 - Second layer of membrane
- 11 - Separation layer non woven fabric
- 12 - Rainwater collection (model Dorken)
- 13 - Separation layer non woven fabric
- 14 - Earth for green roof

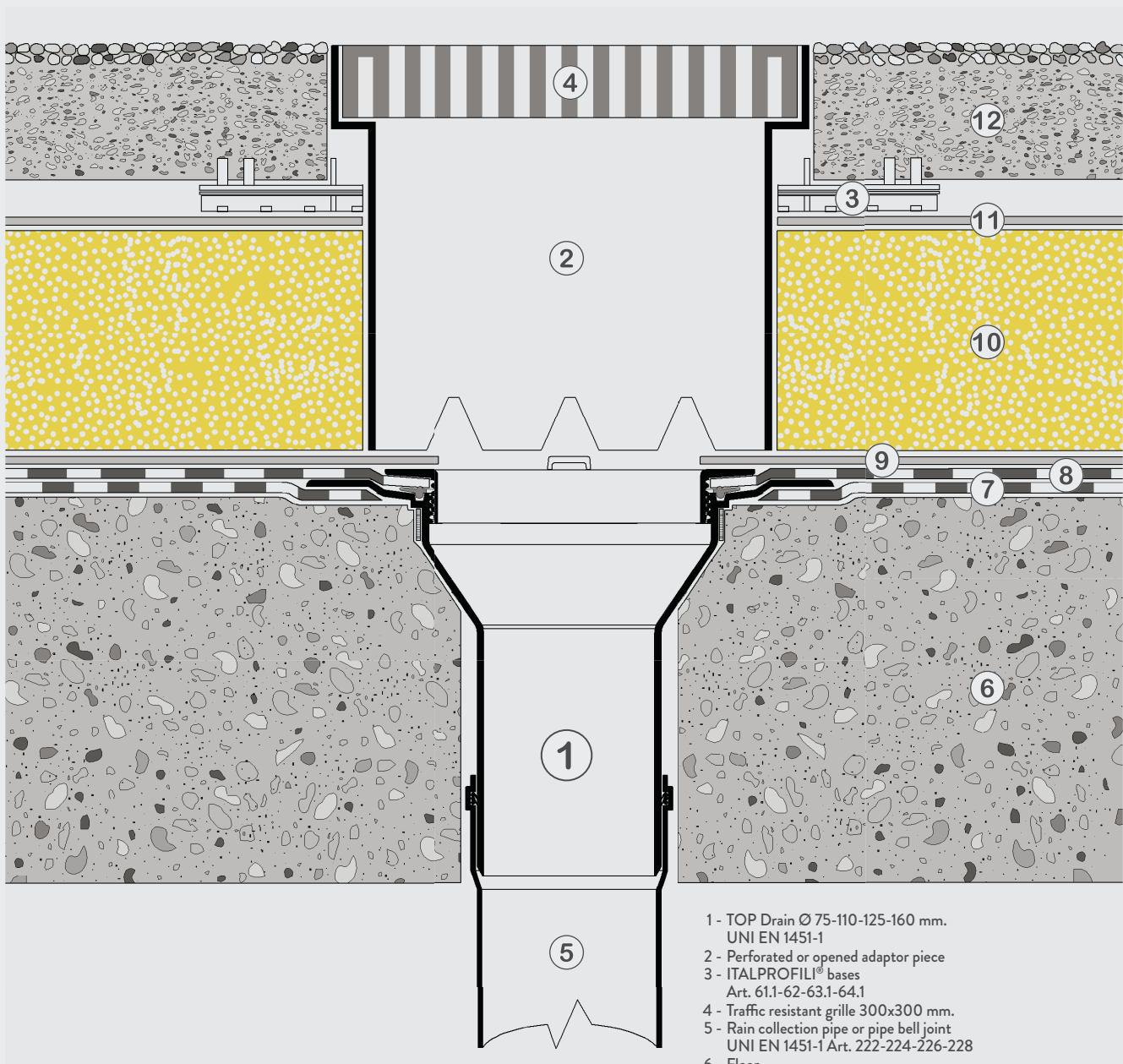
**NOTE:** the drawing shows points 9-10 application with two layers of bituminous membranes. This type of membrane can be substituted with other types of single-ply membranes in PVC - ECB - PP - EPDM, etc.

**INSTALLATION METHOD** Example 704.2  
"TOP"  
DRAIN**ROOF  
GARDEN**

**NOTE:** the drawing shows points 9-10 application with two layers of bituminous membranes. This type of membrane can be substituted with other types of single-ply membranes in PVC - ECB - PP - EPDM, etc.



## INVERTED ROOF WALKABLE



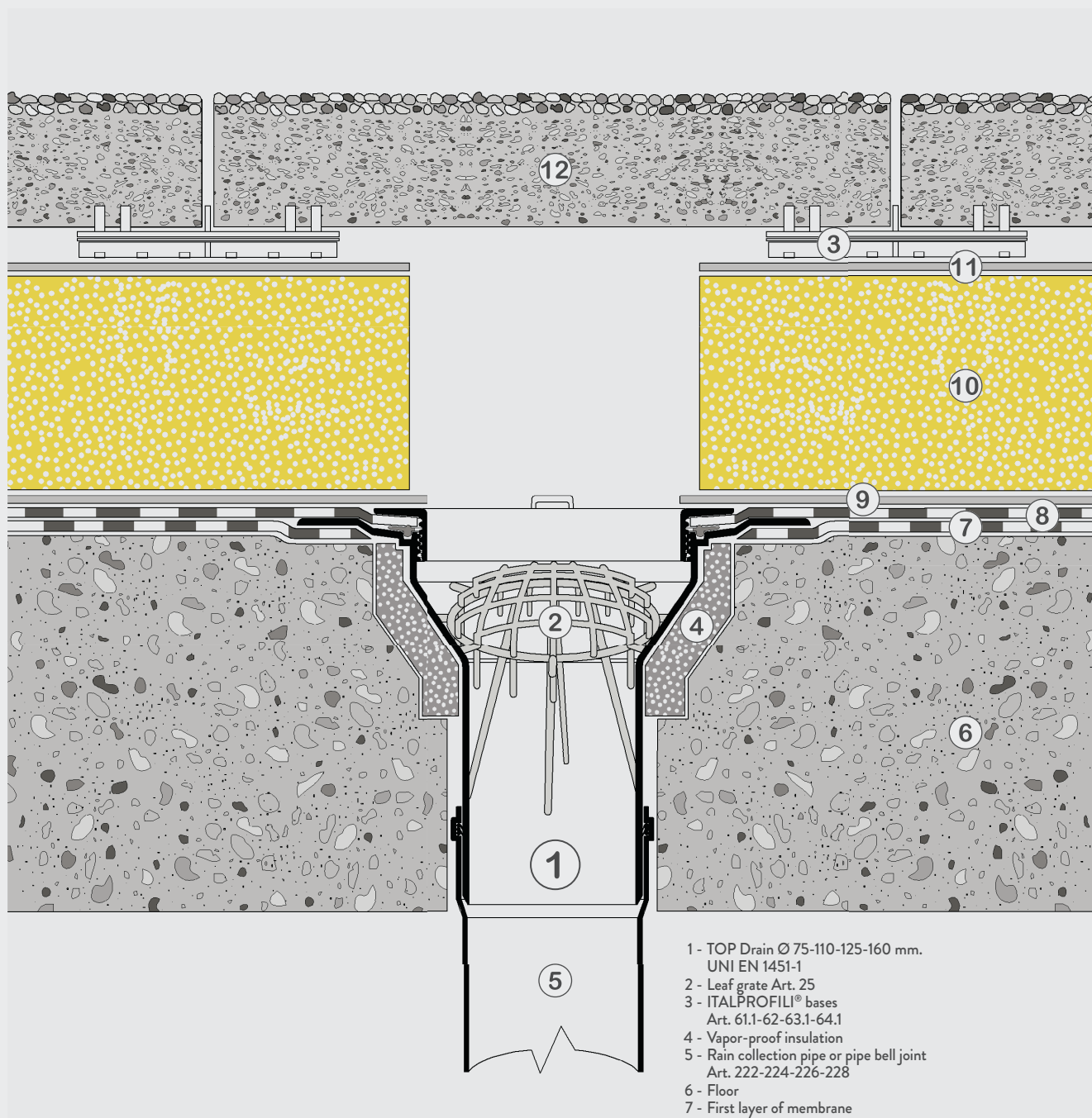
- 1 - TOP Drain Ø 75-110-125-160 mm.  
UNI EN 1451-1
- 2 - Perforated or opened adaptor piece
- 3 - ITALPROFIL® bases  
Art. 61.1-62-63.1-64.1
- 4 - Traffic resistant grille 300x300 mm.
- 5 - Rain collection pipe or pipe bell joint  
UNI EN 1451-1 Art. 222-224-226-228
- 6 - Floor
- 7 - First layer of membrane
- 8 - Second layer of membrane
- 9 - Separation layer non woven fabric
- 10 - Insulation
- 11 - Separation layer non woven fabric
- 12 - Prefabricated slabs

**NOTE:** the drawing shows points 7-8 application with two layers of bituminous membranes. This type of membrane can be substituted with other types of single-ply membranes in PVC - ECB - PP - EPDM, etc.

# INSTALLATION METHOD Example 9

04.2  
"TOP"  
DRAIN

## INVERTED ROOF WALKABLE



- 1 - TOP Drain Ø 75-110-125-160 mm.  
UNI EN 1451-1
- 2 - Leaf grate Art. 25
- 3 - ITALPROFILI® bases  
Art. 61.1-62-63.1-64.1
- 4 - Vapor-proof insulation
- 5 - Rain collection pipe or pipe bell joint  
Art. 222-224-226-228
- 6 - Floor
- 7 - First layer of membrane
- 8 - Second layer of membrane
- 9 - Separation layer non woven fabric
- 10 - Insulation
- 11 - Filter separation layer
- 12 - Walkable slabs

**NOTE:** the drawing shows points 7-8 application with two layers of bituminous membranes. This type of membrane can be substituted with other types of single-ply membranes in PVC - ECB - PP - EPDM, etc.