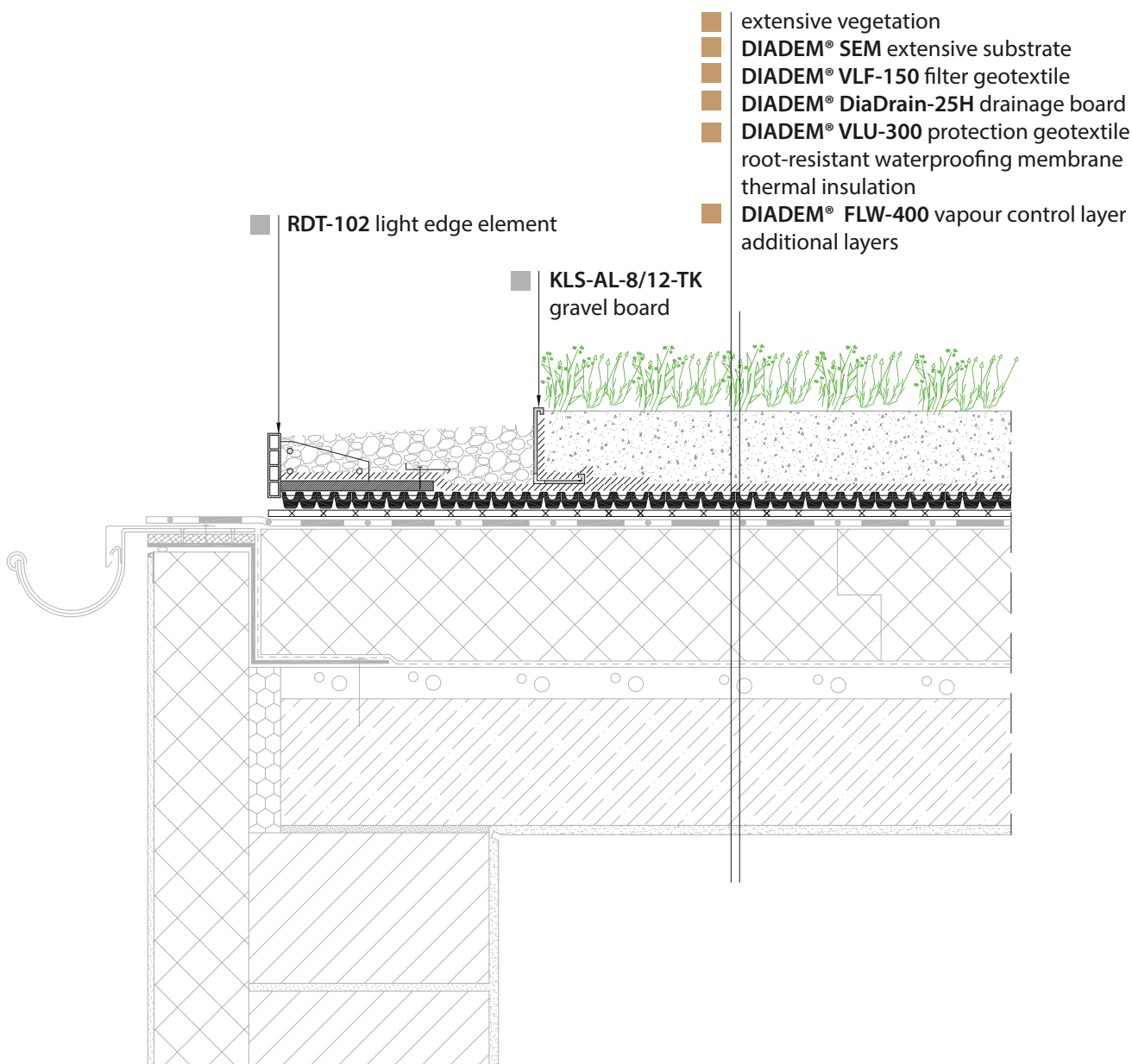




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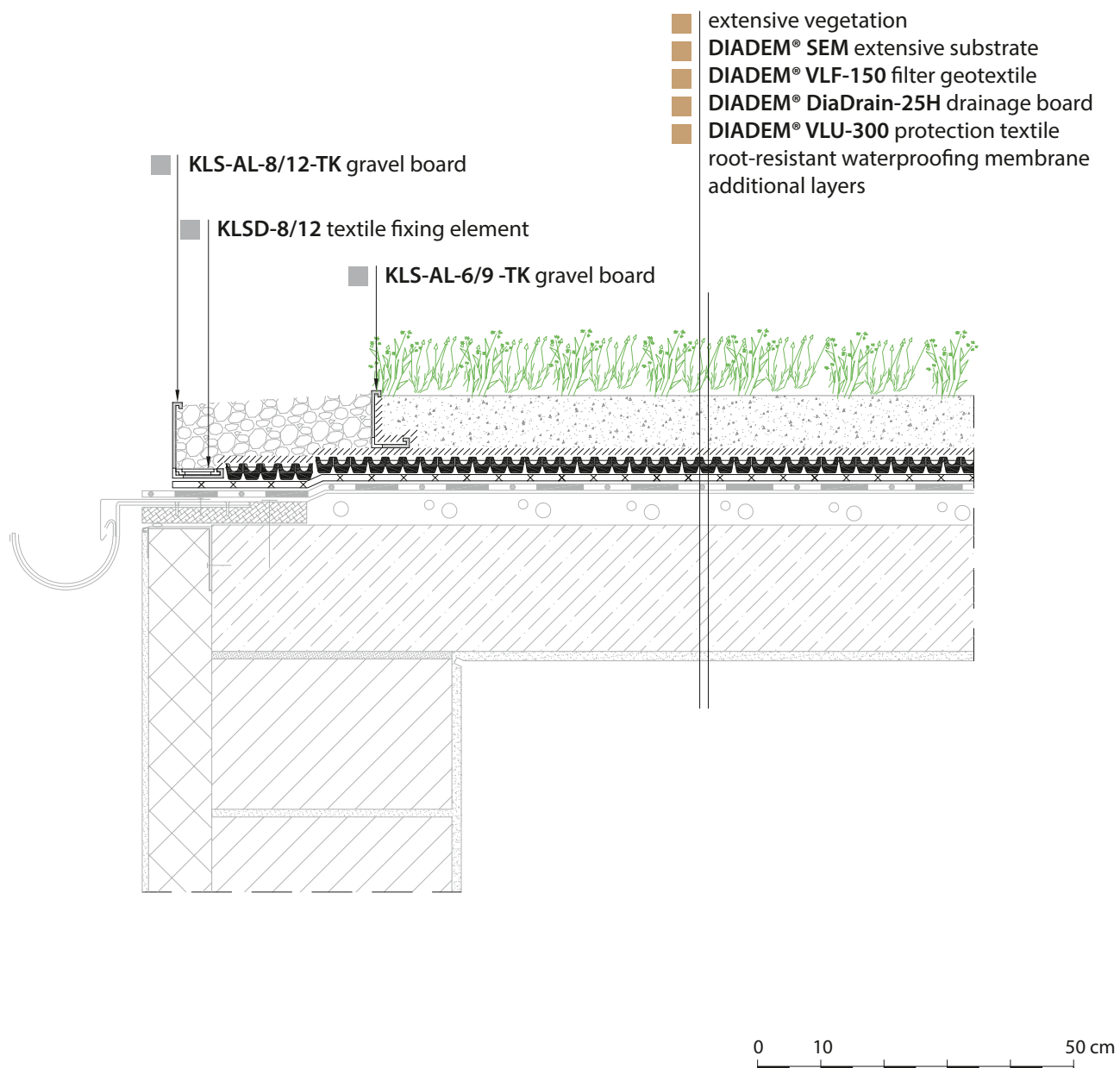
DIADEM®150

extensive green roof, warm roof
GUTTER WITHOUT PARAPET WALL

DIADEM® product: KLS, RDT

date: 2018

drawing number:
150_01



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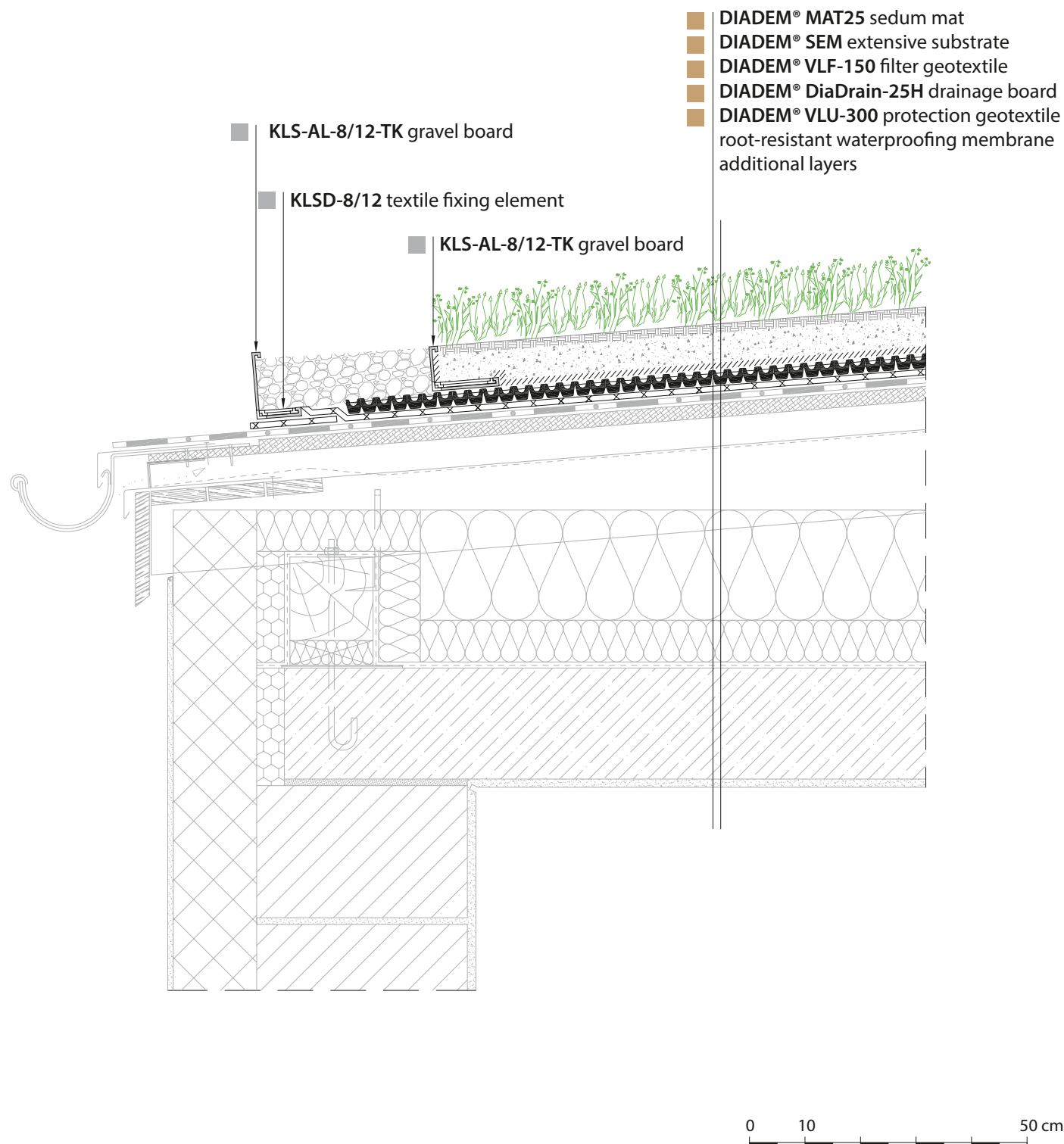
DIADEM®150

extensive green roof, warm roof
GUTTER WITHOUT PARAPET

DIADEM® product: KLS, KLSD

date: 2018

drawing number:
 150_02



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DIADEM®150

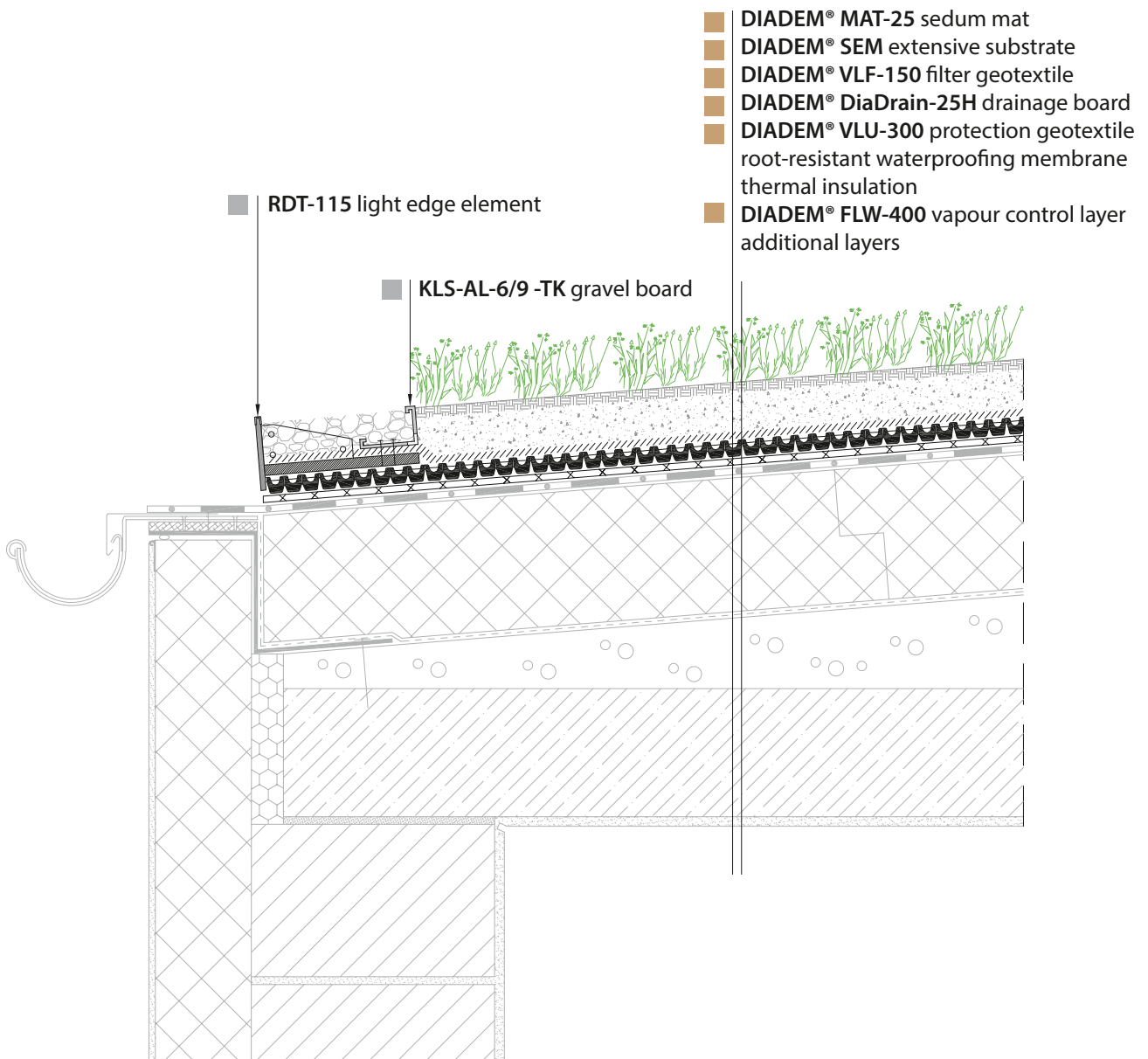
extensive green roof

PITCHED ROOF WITH GUTTER (inclination < 15°)

DIADEM® product: KLS, KLSD

date: 2018

drawing number:
150_03



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DIADEM®150

extensive green roof

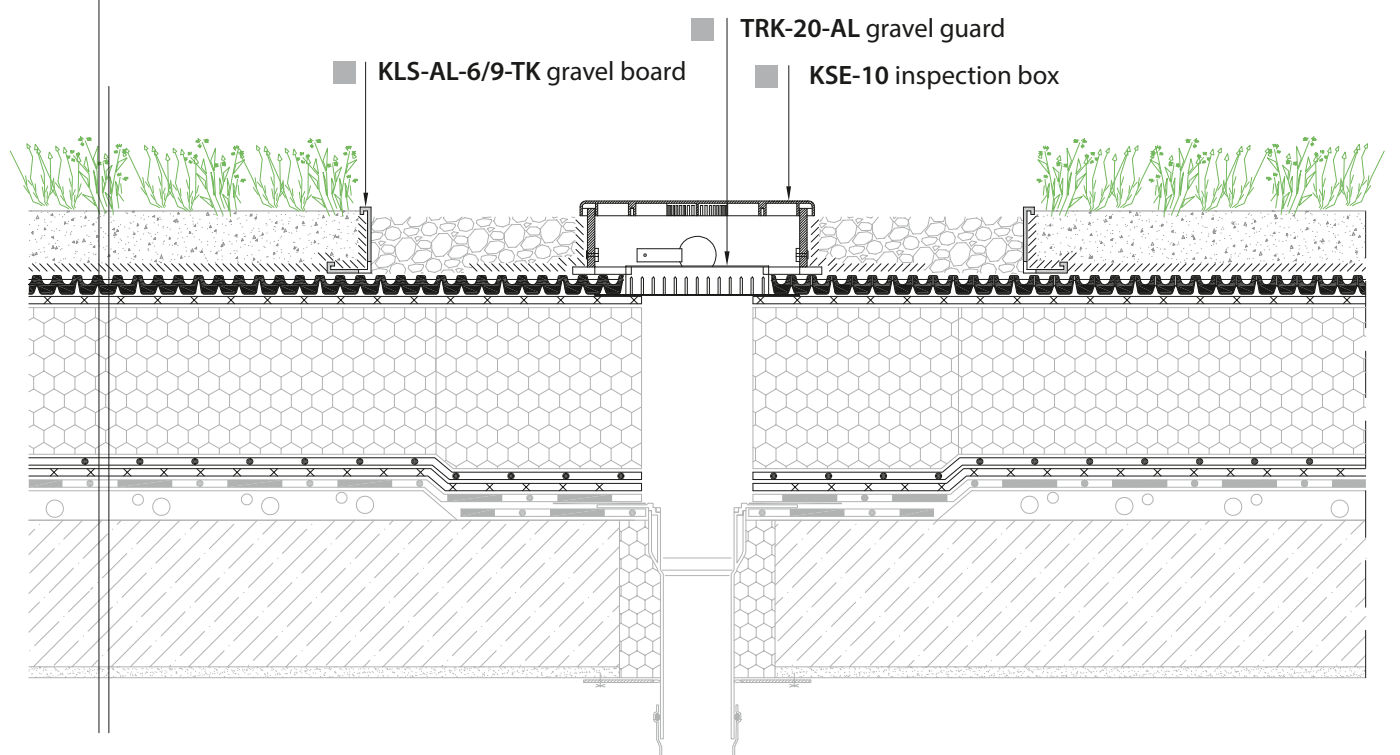
PITCHED ROOF WITH GUTTER (inclination < 10°)

DIADEM® product: RDT, KLS

date: 2018

drawing number:
150_04

- extensive vegetation
- **DIADEM® SEM** extensive substrate
- **DIADEM® VLF-150** filter geotextile
- **DIADEM® DiaDrain-25H** drainage board
- **DIADEM® VLF-110** separation textile
- closed cell thermal insulation
- **DIADEM® FLW-400** vapour control layer
- **DIADEM® VLU-300** protection geotextile
- non root resistant water proofing membrane
- additional layers



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DIADEM®150

extensive green roof, inverted roof

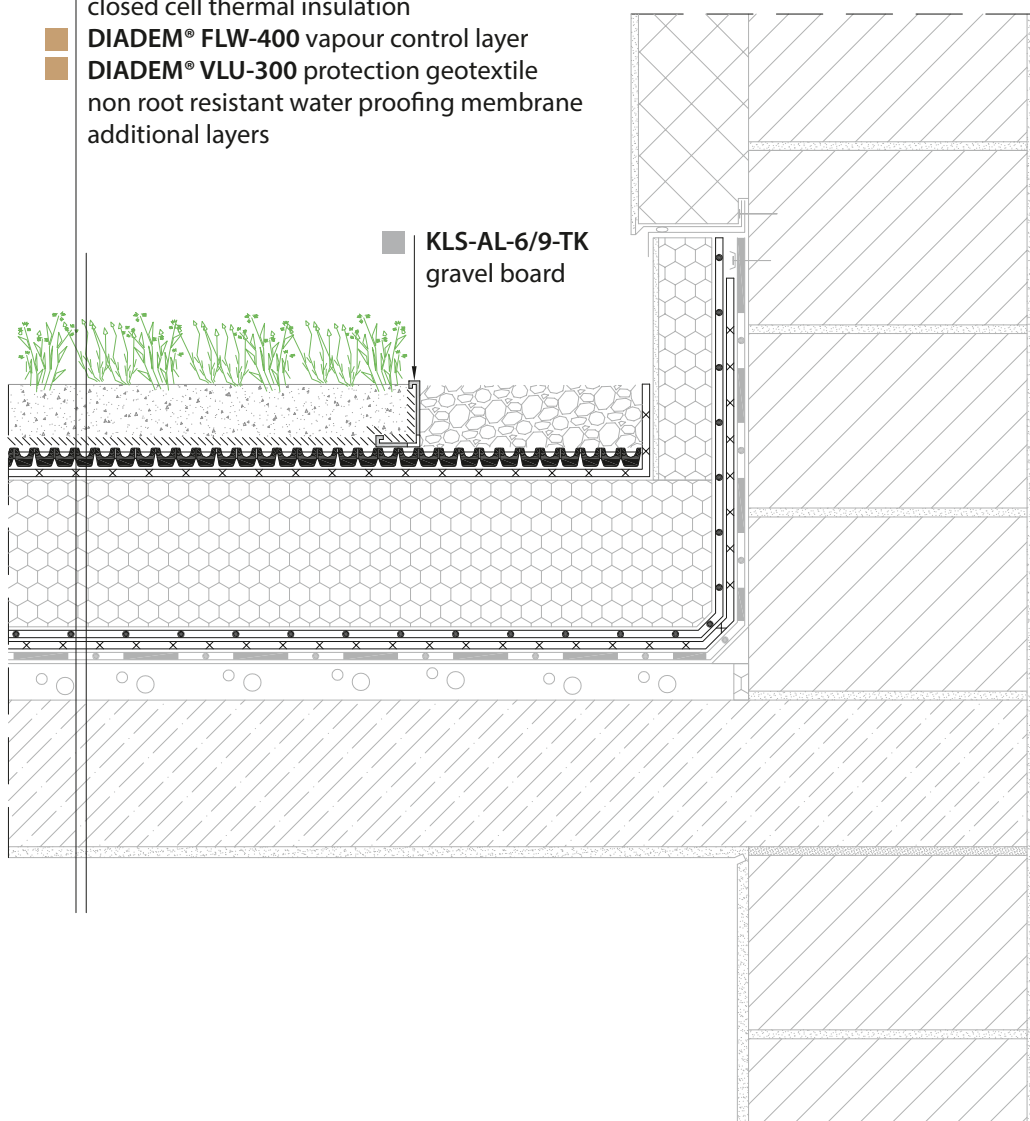
OUTLET IN GREEN ROOF

DIADEM® product: KSE, KLS, TRK

date: 2018

drawing number:
150_05

- extensive vegetation
- DIADEM® SEM extensive substrate
- DIADEM® VLF-150 filter geotextile
- DIADEM® DiaDrain-25H drainage board
- DIADEM® VLF-110 separation textile
- closed cell thermal insulation
- DIADEM® FLW-400 vapour control layer
- DIADEM® VLU-300 protection geotextile
- non root resistant water proofing membrane
- additional layers



0 10 50 cm

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DIADEM®150

extensive green roof, inverted roof

WALL CONNECTION

DIADEM® product: KLS

date: 2018

drawing number:
150_06

DIADEM® MAT25 sedum mat
 DIADEM® SEM extensive substrate
 (in DiaDomino geocells)

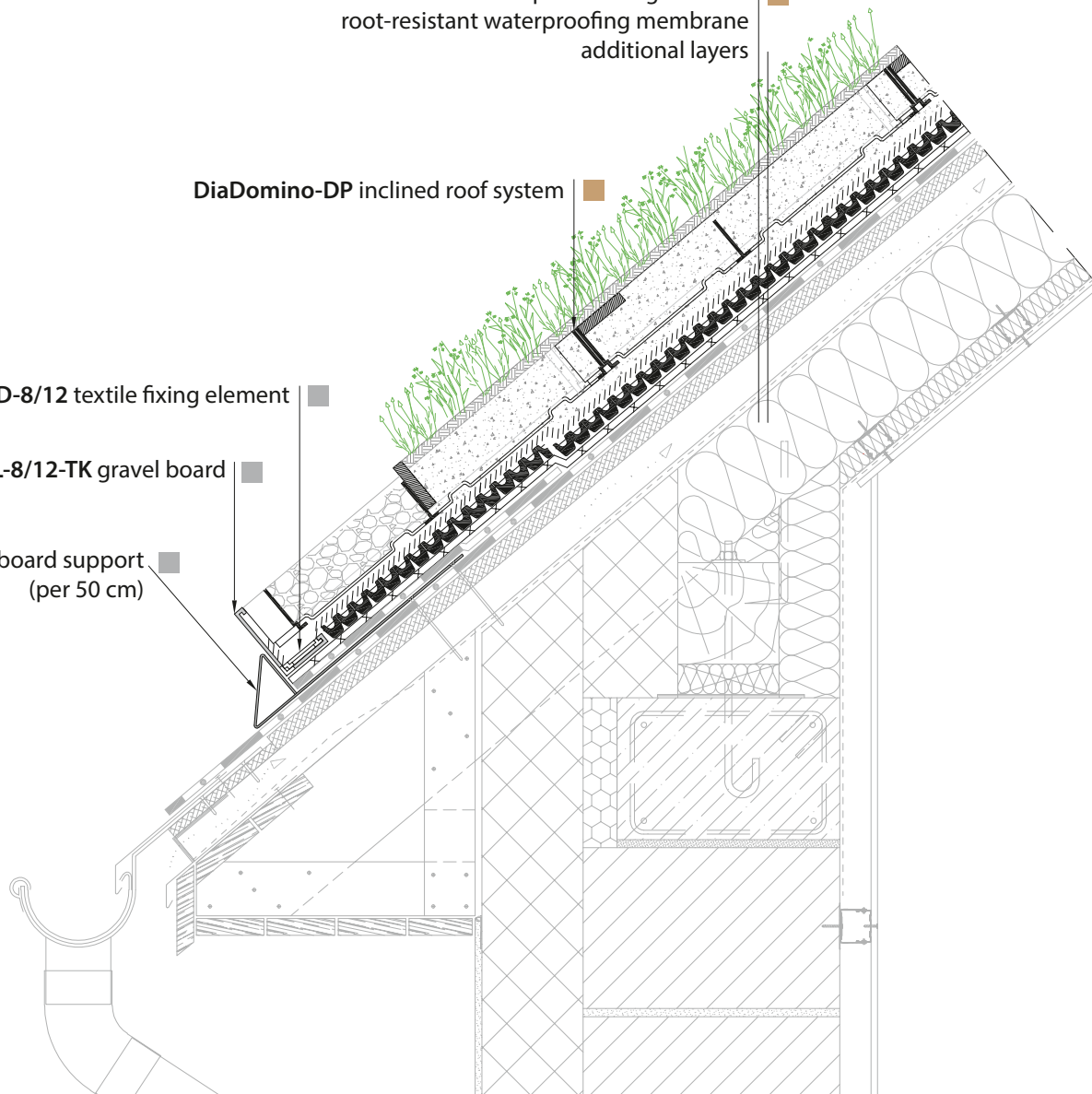
DIADEM® VLF-150 filter geotextile
 DIADEM® DiaDrain-25H drainage board
 DIADEM® VLU-300 protection geotextile
 root-resistant waterproofing membrane
 additional layers

DiaDomino-DP inclined roof system

KLSD-8/12 textile fixing element

KLS-AL-8/12-TK gravel board

KLH-80 gravel board support
(per 50 cm)



0 10 50 cm

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DIADEM®150

extensive green roof

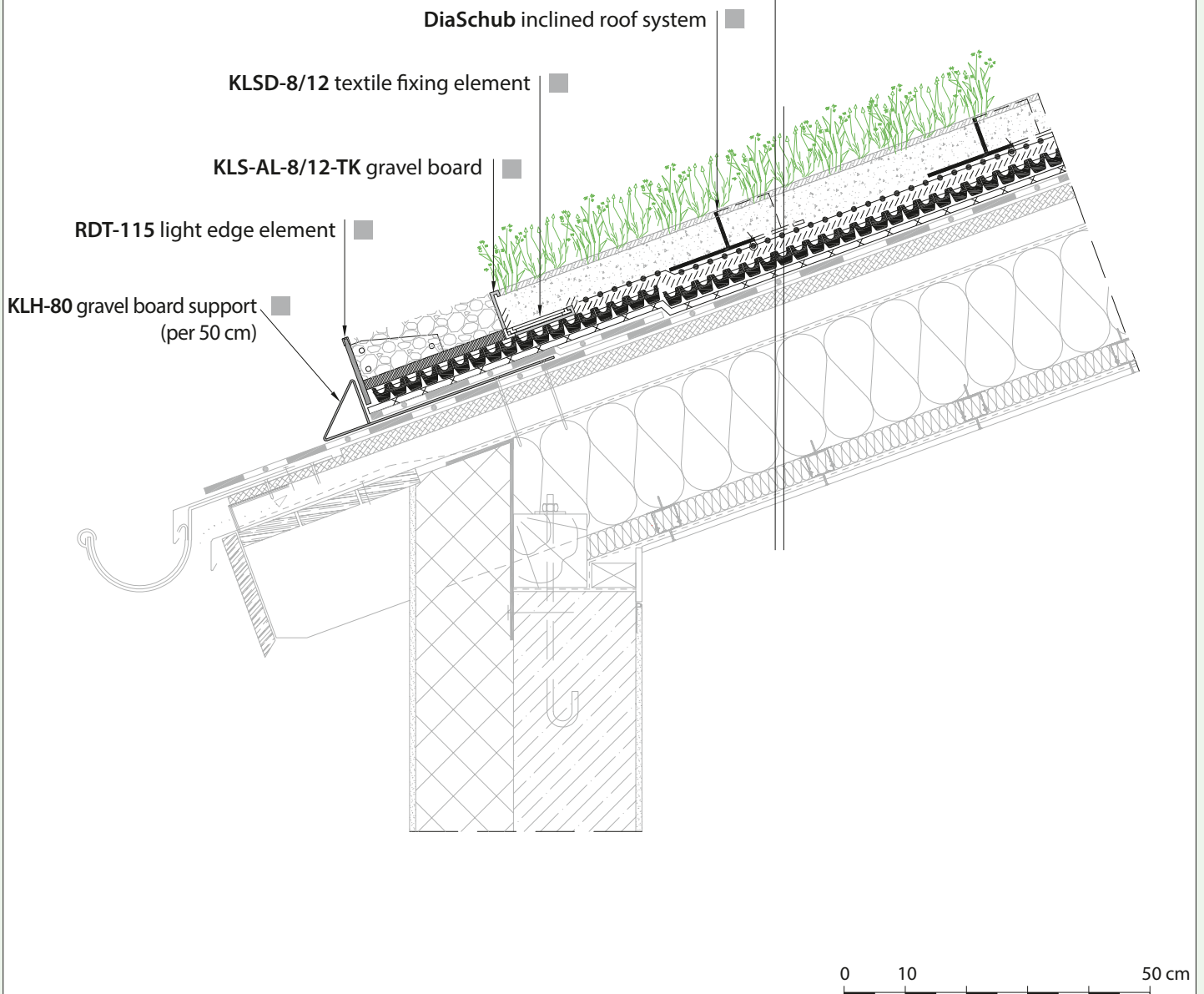
PITCHED ROOF WITH GUTTER (inclination >25°)

DIADEM® product: DiaDomino, KLS, KLSD, KLH

date: 2018

drawing number:
 150_07

- DIADEM® MAT25 sedum mat
- DIADEM® SEM extensive substrate (fixed with DiaSchub elements)
- DIADEM® geonet
- DIADEM® VLF-150 filter geotextile
- DIADEM® DiaDrain-25H drainage board
- DIADEM® VLU-300 protection geotextile
- root-resistant waterproofing membrane
- additional layers



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DIADEM®150

extensive green roof

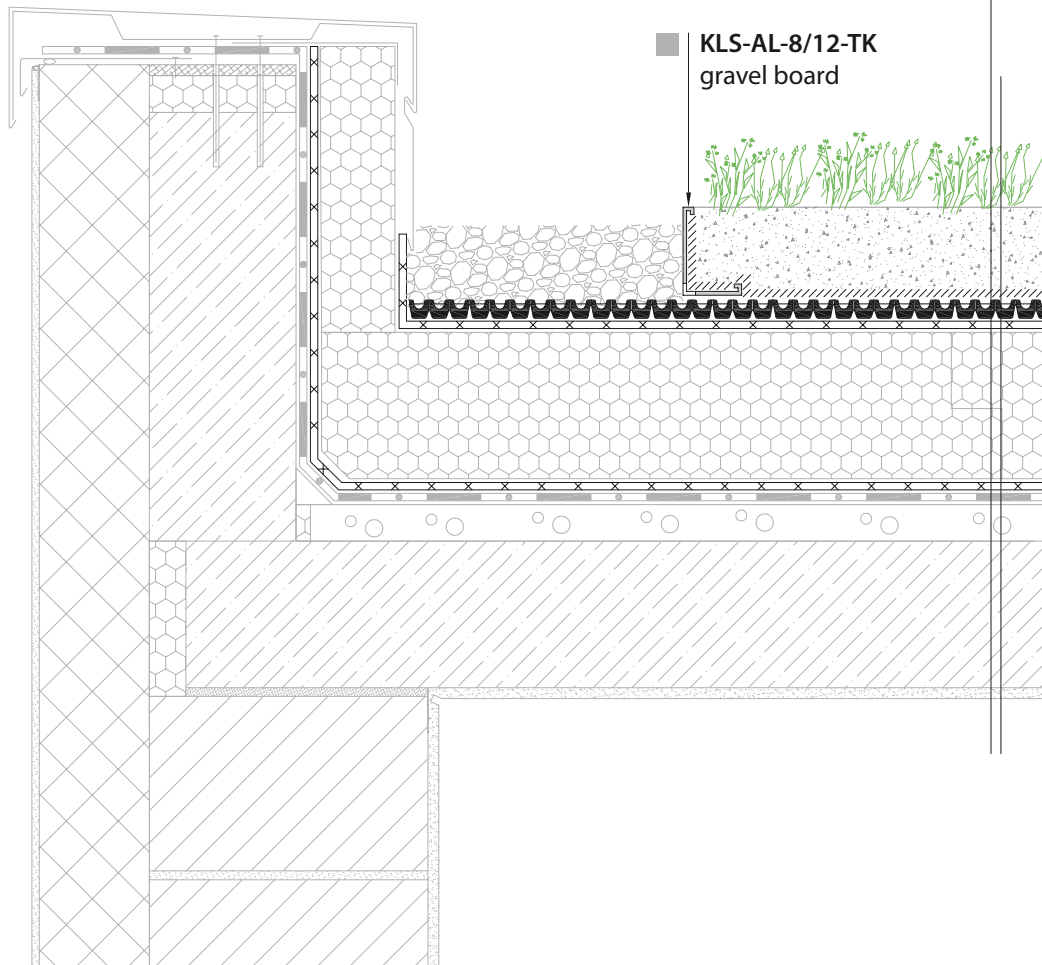
PITCHED ROOF WITH GUTTER (inclination 15<35°)

DIADEM® product: DiaSchub, RDT, KLS, KLSD, KLH

date: 2018

drawing number:
150_08

- extensive vegetation
- DIADEM® SEM extensive substrate
- DIADEM® VLF-150 filter geotextile
- DIADEM® DiaDrain-25H drainage board
- DIADEM® VLF-110 separation textile
- closed cell thermal insulation
- DIADEM® FLW-400 vapour control layer
- DIADEM® VLU-300 protection geotextile
- non root resistant waterproofing membrane
- additional layers



0 10 50 cm

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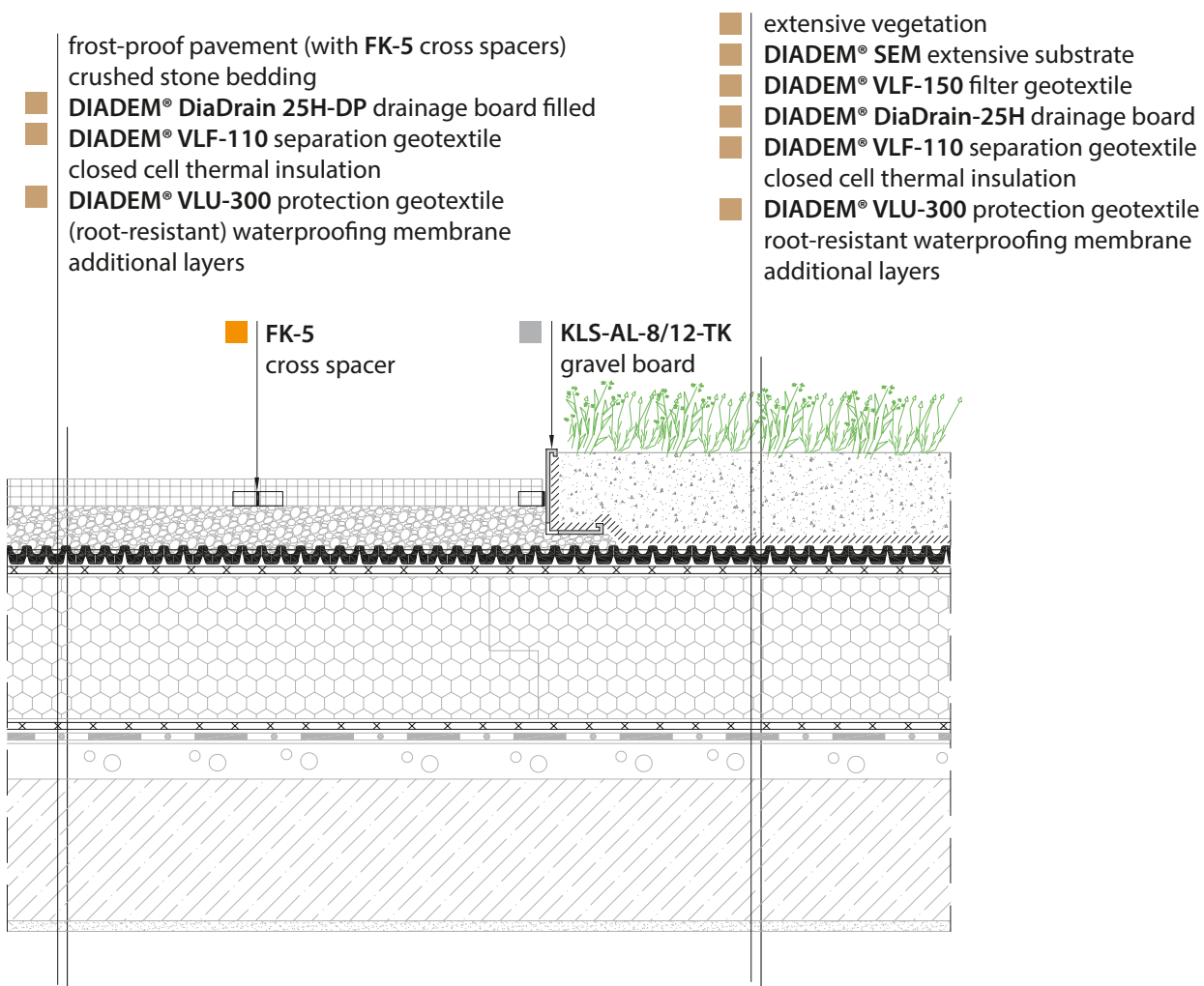
DIADEM®150

extensive green roof, inverted roof
PARAPET WALL CONNECTION

DIADEM® product: KLS

date: 2018

drawing number:
150_09



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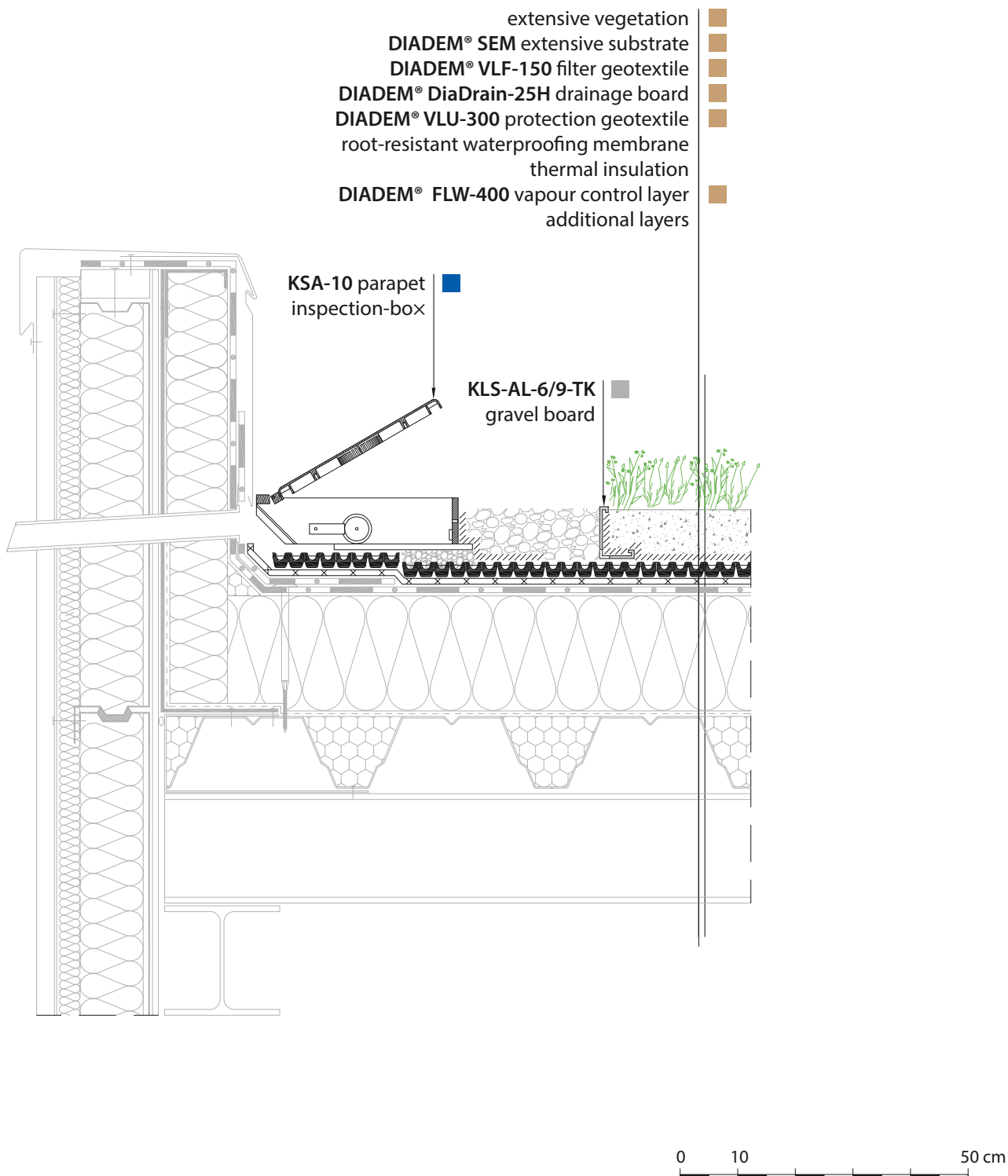
DIADEM®150

extensive green roof and terrace, inverted roof
JUNCTION

DIADEM® products: KLS, FK-5

date: 2018

drawing number:
 150_10



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DIADEM®150

extensive green roof, warm roof

OUTLET AT PARAPET WALL

DIADEM® product: KSA, KLS

date: 2018

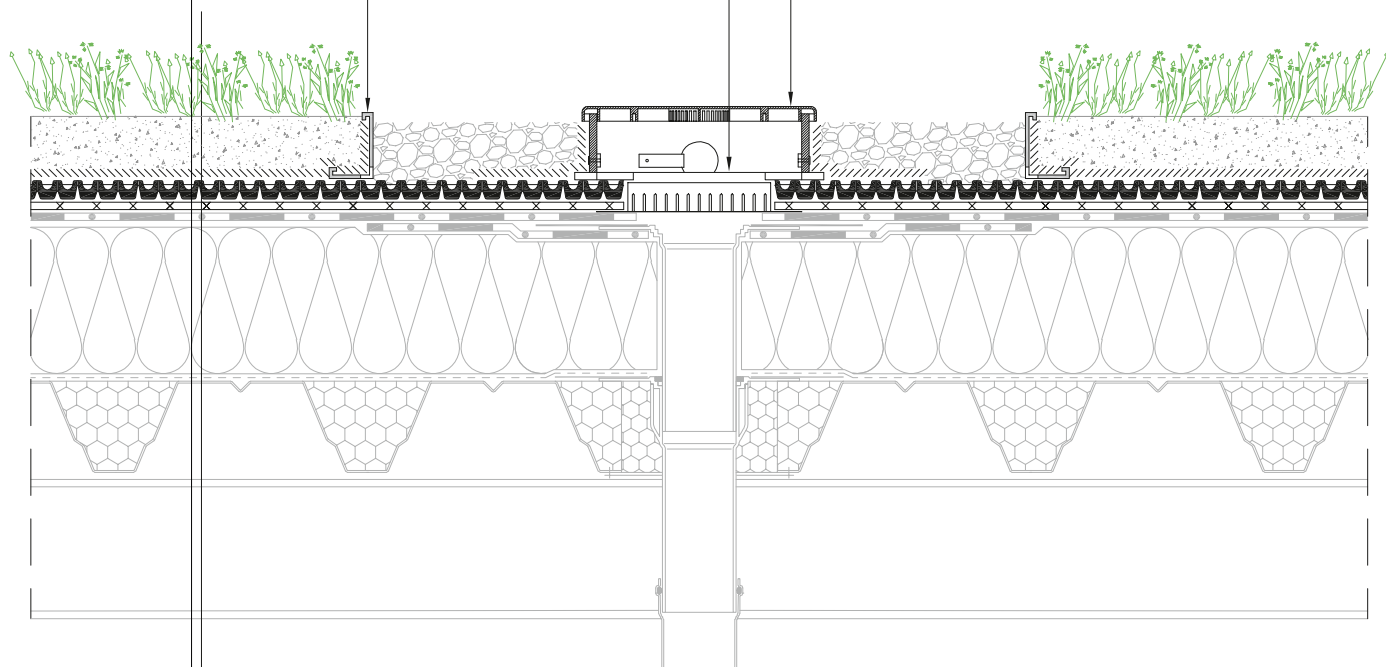
drawing number:
150_11

- extensive vegetation
- **DIADEM® SEM** extensive substrate
- **DIADEM® VLF-150** filter geotextile
- **DIADEM® DiaDrain-25H** drainage board
- **DIADEM® VLU-300** protection geotextile
- root-resistant waterproofing membrane
- thermal insulation
- **DIADEM® FLW-400** vapour control layer
- additional layers

■ **TRK-20-AL** gravel guard

■ **KLS-AL-6/9-TK** gravel board

■ **KSE-10** inspection box



0 10 50 cm

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DIADEM®150

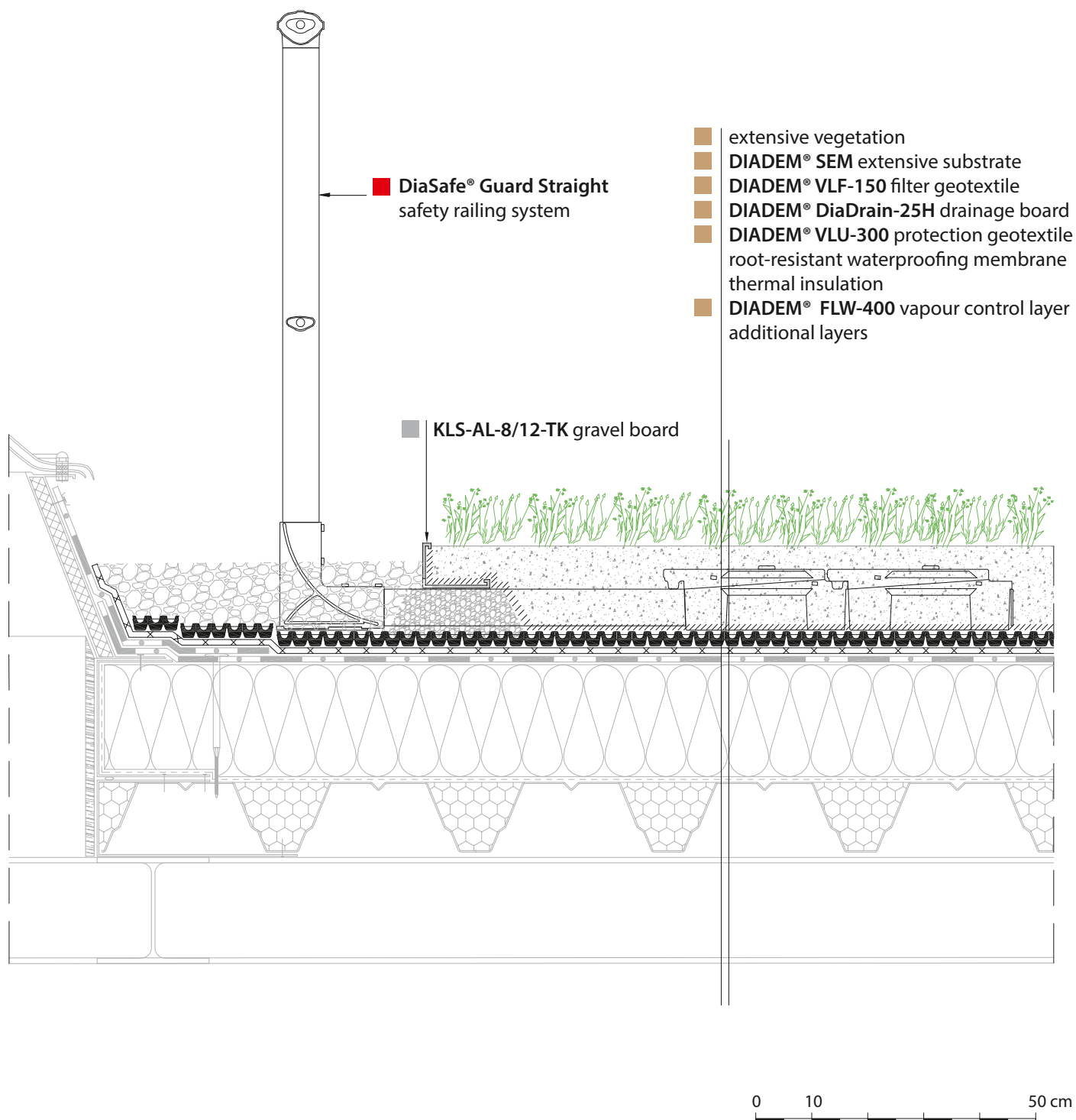
extensive green roof, warm roof

OUTLET IN GREEN ROOF

DIADEM® product: KSE, KLS, TRK

date: 2018

drawing number:
150_12



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DIADEM®150

extensive green roof, warm roof

ROOF PENETRATION

DIADEM® product: DS Guard, KLS

date: 2018

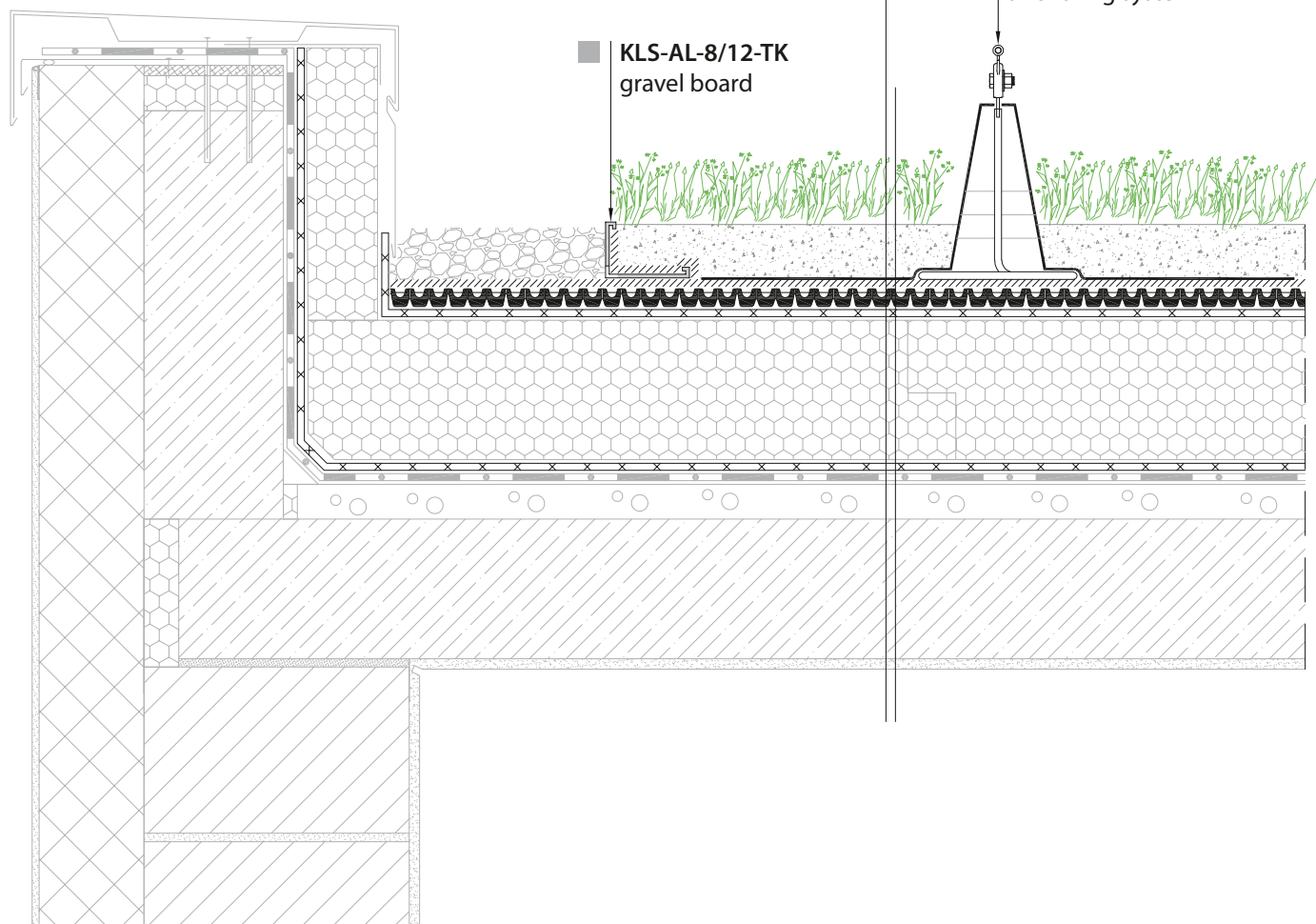
drawing number:
150_13

extensive vegetation
 DIADEM® SEM extensive substrate
 DiaSafe® Ballasted fall protection
 anchoring system
 DIADEM® VLF-150 filter geotextile
 DIADEM® DiaDrain-25H drainage board
 DIADEM® VLF-110 separation geotextile
 closed cell thermal insulation
 DIADEM® VLU-300 protection geotextile
 root-resistant waterproofing membrane
 additional layers



DiaSafe® Ballasted
 Glide Duo
 fall protection
 anchoring system

KLS-AL-8/12-TK
 gravel board



0 10 50 cm

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DIADEM®150

extensive green roof, inverted roof

PARAPET, FALL PROTECTION ANCHORING SYSTEM

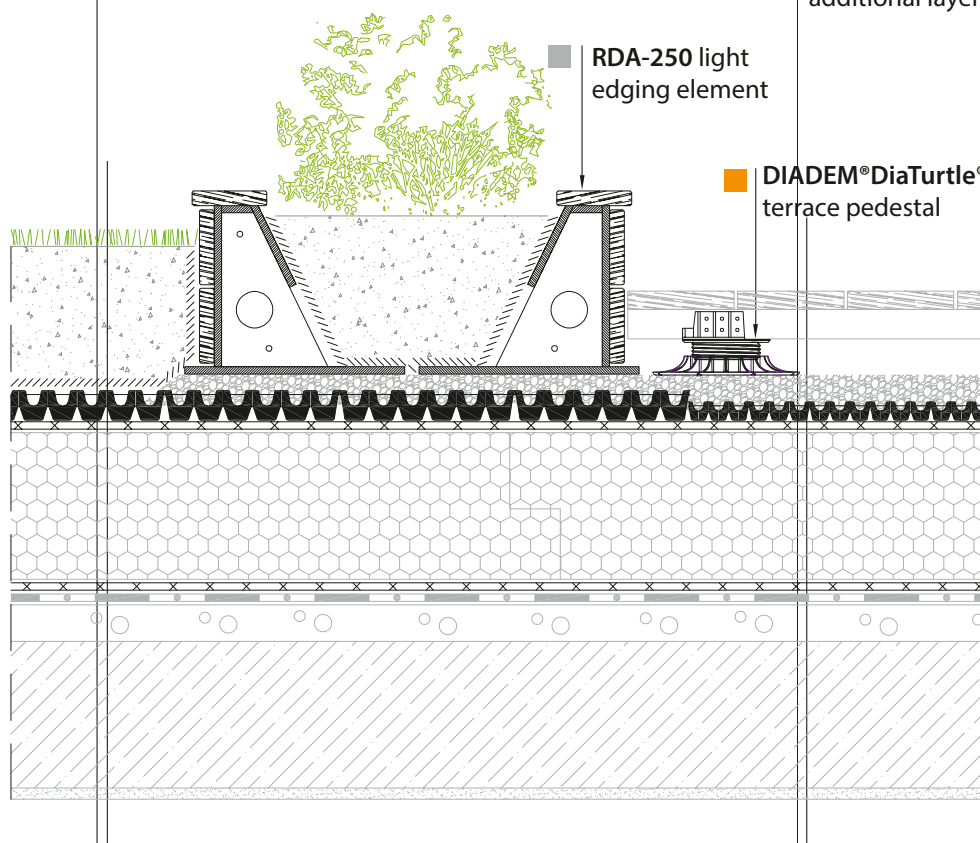
DIADEM® product: DiaSafe® Ballasted, KLS

date: 2018

drawing number:
 150_14

- semi-intensive vegetation (lawn)
- **DIADEM® SIM** intensive substrate
- **DIADEM® VLF-200** filter geotextile
- **DIADEM® DiaDrain-40H** drainage board filled
- **DIADEM® VLF-110** separation geotextile
- closed cell thermal insulation
- **DIADEM® VLU-300** protection geotextile
- root-resistant waterproofing membrane
- additional layers

- wooden deck
- sleeper
- **DIADEM® DiaTurtle®** height-adjustable terrace pedestal
- crushed stone bedding
- **DIADEM® DiaDrain-25H-DP** drainage board filled
- **DIADEM® VLF-110** separation geotextile
- closed cell thermal insulation
- **DIADEM® VLU-300** protection geotextile
- (root-resistant) waterproofing membrane
- additional layers



0 10 50 cm

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DIADEM®350

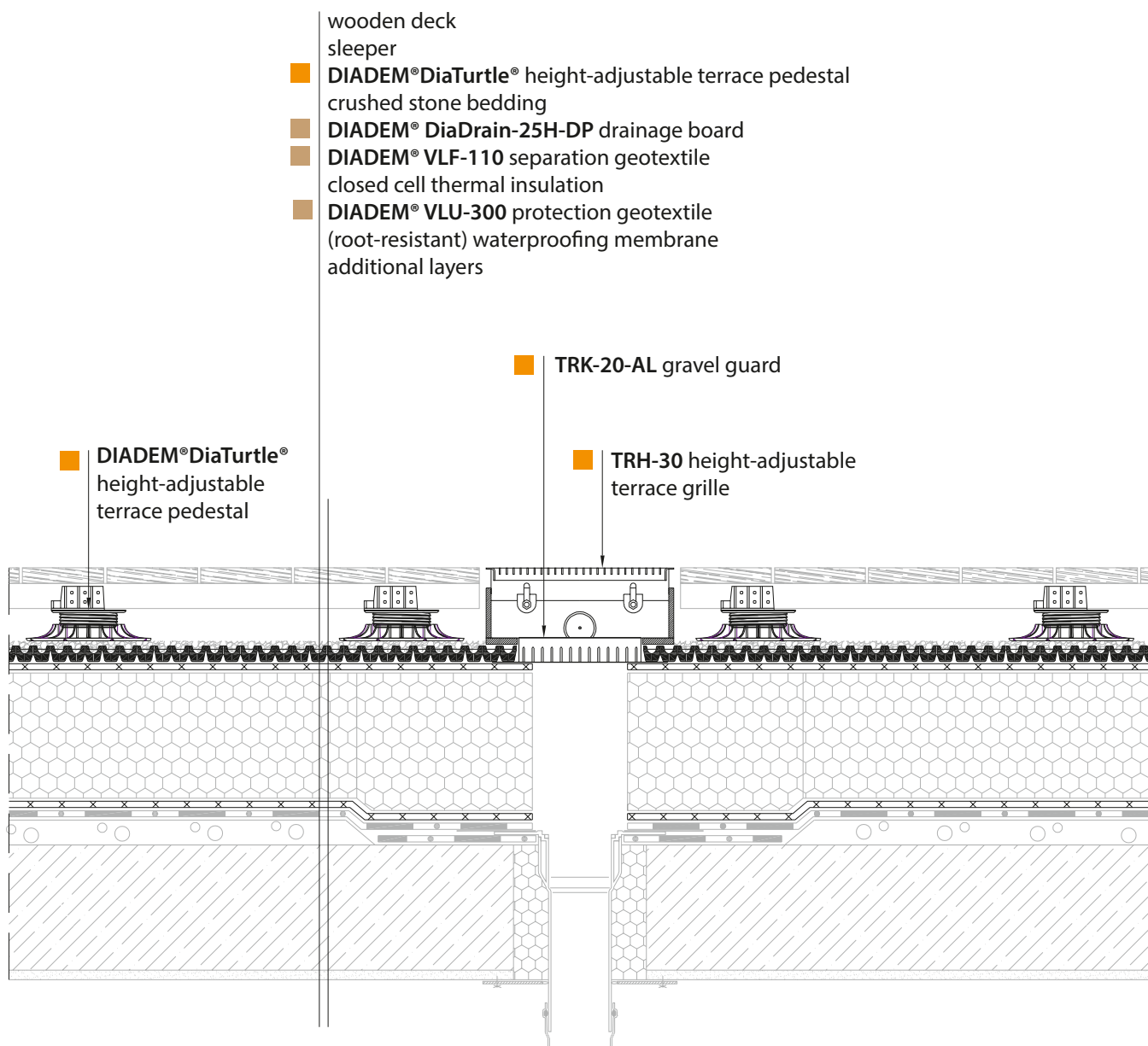
semi-intensive green roof and terrace, inverted roof

JUNCTION

DIADEM® product: RDA, DiaTurtle®

date: 2018

drawing number:
350_01



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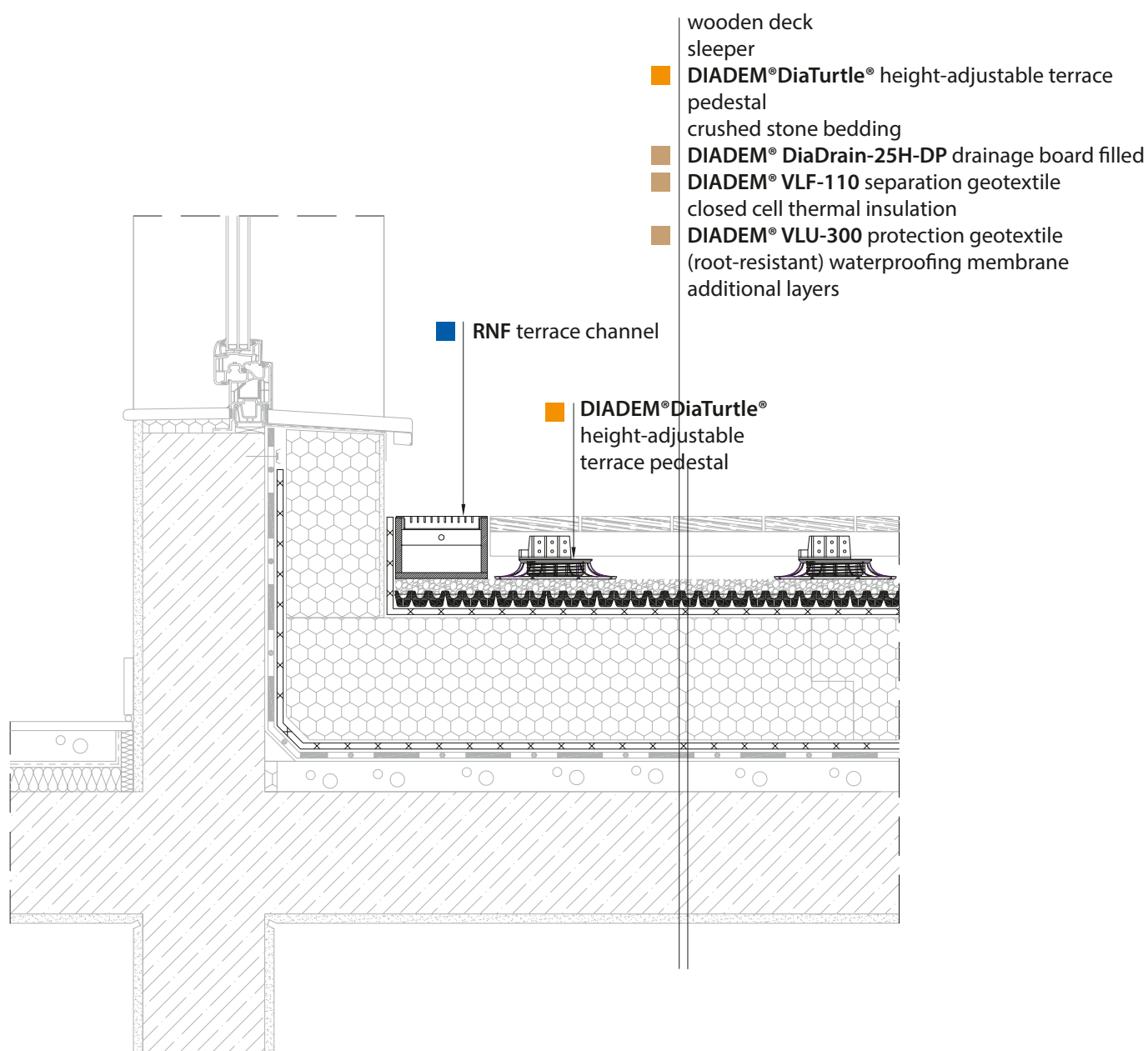
DIADEM®350

terrace deck, inverted roof
OUTLET IN PAVED ROOF

DIADEM® product: TRH, TRK, DiaTurtle®

date: 2018

drawing number:
350_02



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DIADEM®350

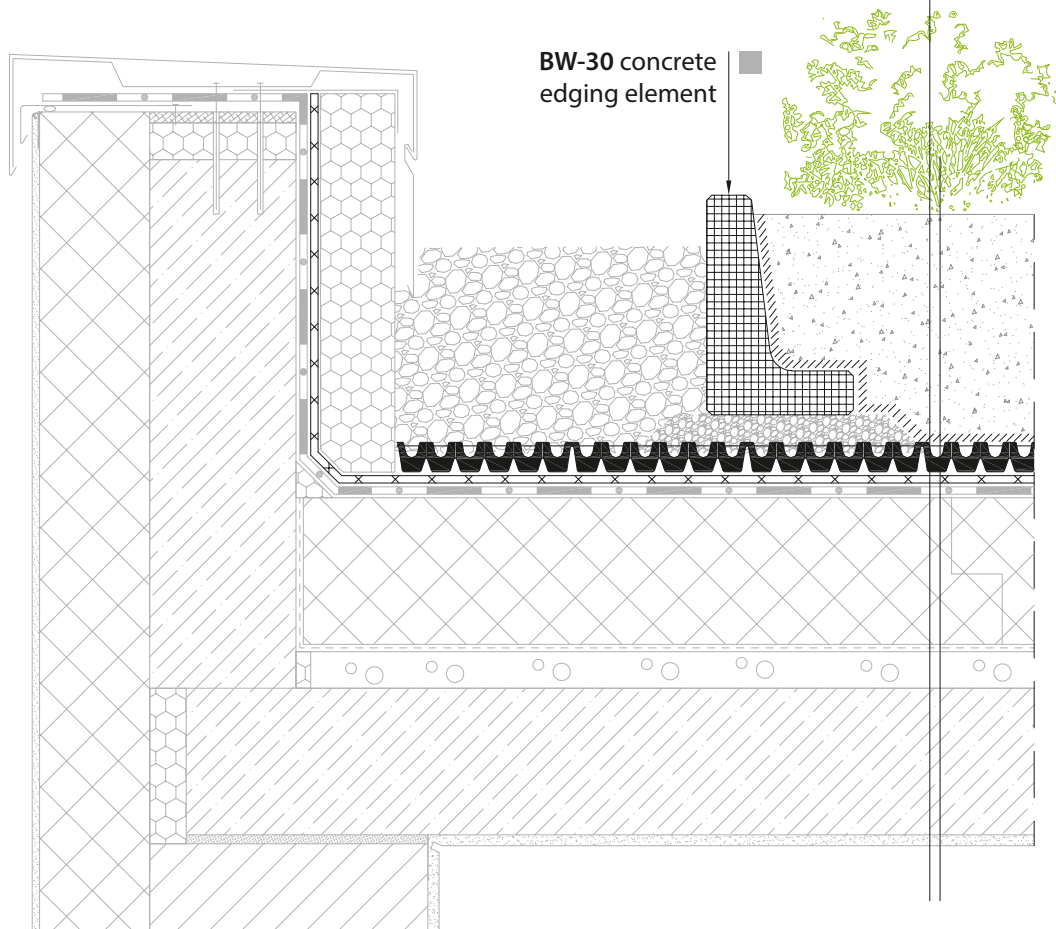
terrace deck, inverted roof
WALL CONNECTION

DIADEM® product: RNF, DiaTurtle®

date: 2018

drawing number:
350_03

- semi-intensive vegetation
- DIADEM® SIM** intensive substrate
- DIADEM® VLF-200** filter geotextile
- DIADEM® DiaDrain-40H** drainage board
- DIADEM® VLU-300** protection geotextile
- root-resistant waterproofing membrane
- thermal insulation
- DIADEM® FLW-400** vapour control layer
- additional layers



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DIADEM®350

semi-intensive green roof, warm roof
PARAPET WALL CONNECTION

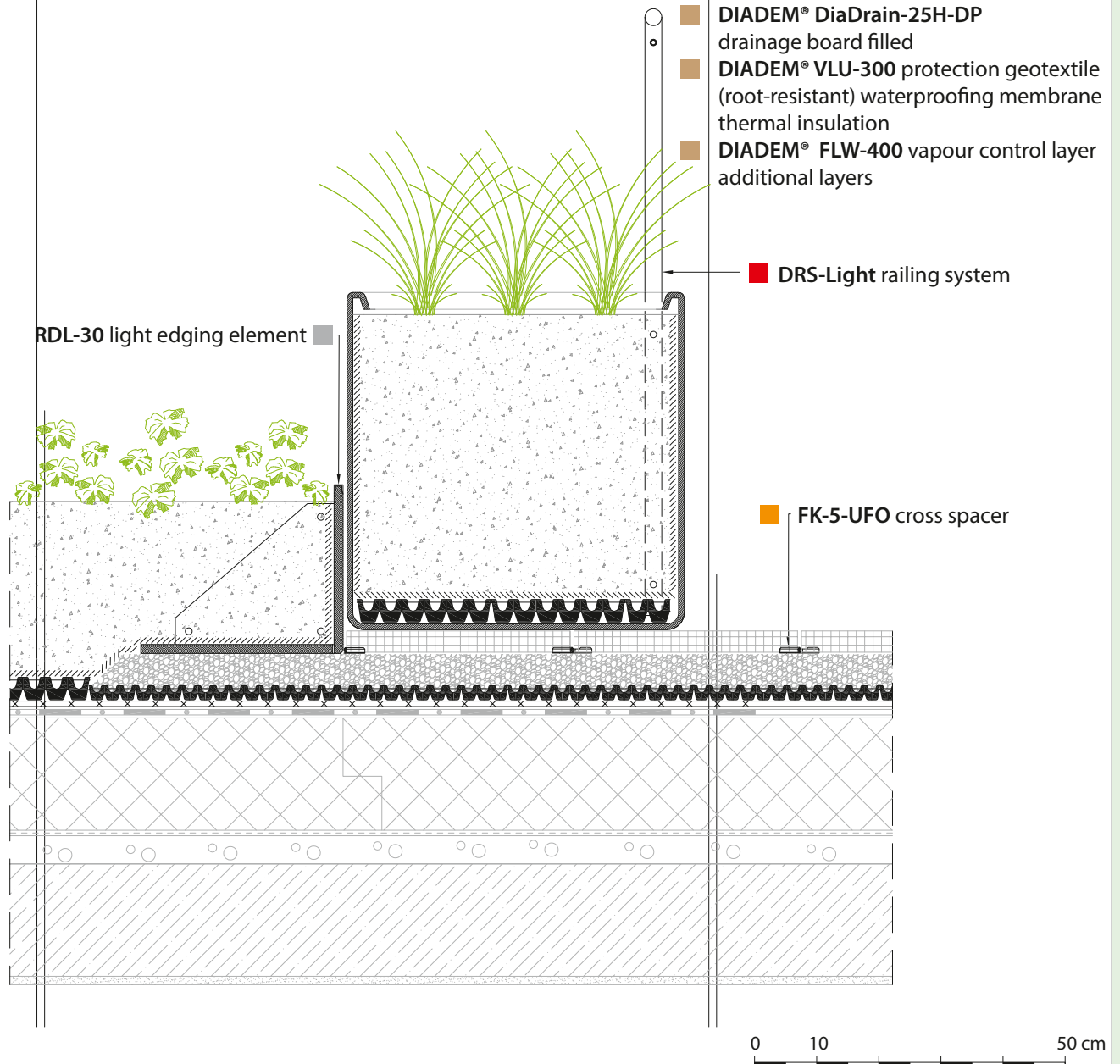
DIADEM® product: BW

date: 2018

drawing number:
350_04

- semi-intensive vegetation
- **DIADEM® SIM** intensive substrate
- **DIADEM® VLF-200** filter geotextile
- **DIADEM® DiaDrain-40H** drainage board
- **DIADEM® VLU-300** protection geotextile
- root-resistant waterproofing membrane
- thermal insulation
- **DIADEM® FLW-400** vapour control layer
- additional layers

- frost-proof pavement (with **FK-5-UFO** cross spacers)
- crushed stone bedding min. 3,0 cm
- **DIADEM® DiaDrain-25H-DP** drainage board filled
- **DIADEM® VLU-300** protection geotextile (root-resistant) waterproofing membrane
- thermal insulation
- **DIADEM® FLW-400** vapour control layer
- additional layers



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DIADEM®350

semi-intensive green roof and terrace, warm roof

JUNCTION

DIADEM® product: RDL, DRS Light, FK-5-UFO

date: 2018

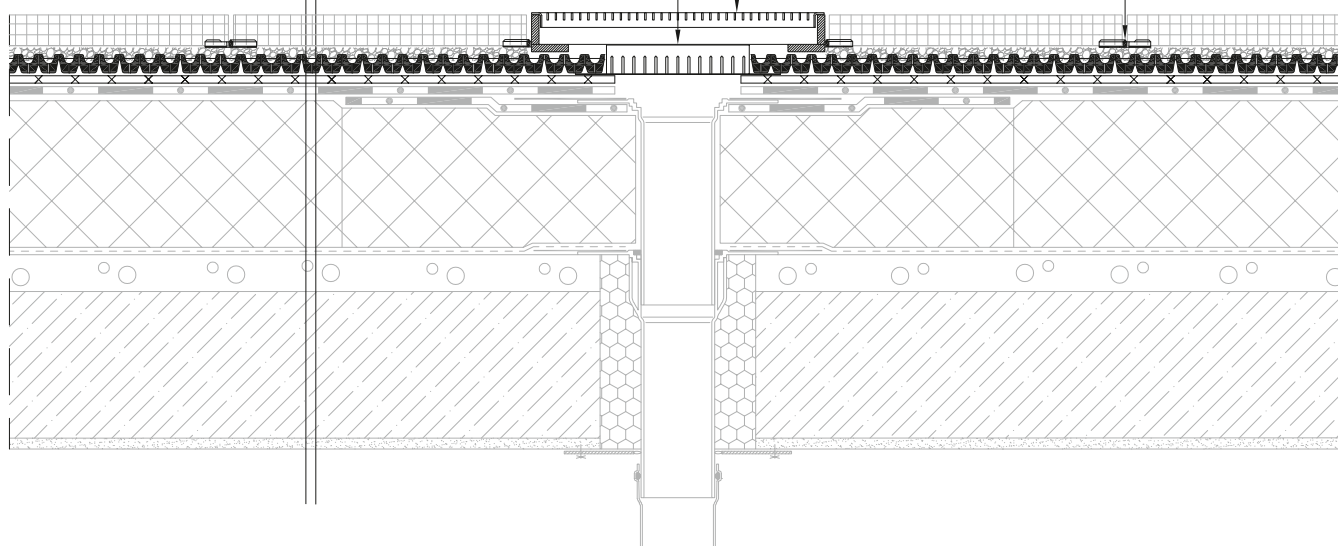
drawing number:
350_05

- frost-proof pavement (with FK-5-UFO cross spacers)
- crushed stone bedding min. 3,0 cm
- **DIADEM® DiaDrain-25H-DP** drainage board filled
- **DIADEM® VLU-300** protection geotextile
- (root-resistant) waterproofing membrane
- thermal insulation
- **DIADEM® FLW-400** vapour control layer
- additional layers

■ **TRK-20-AL** gravel guard

■ **TRF-40-FF** terrace grille

■ **FK-5-UFO**
cross spacer



0 10 50 cm

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DIADEM®350

paved terrace, warm roof

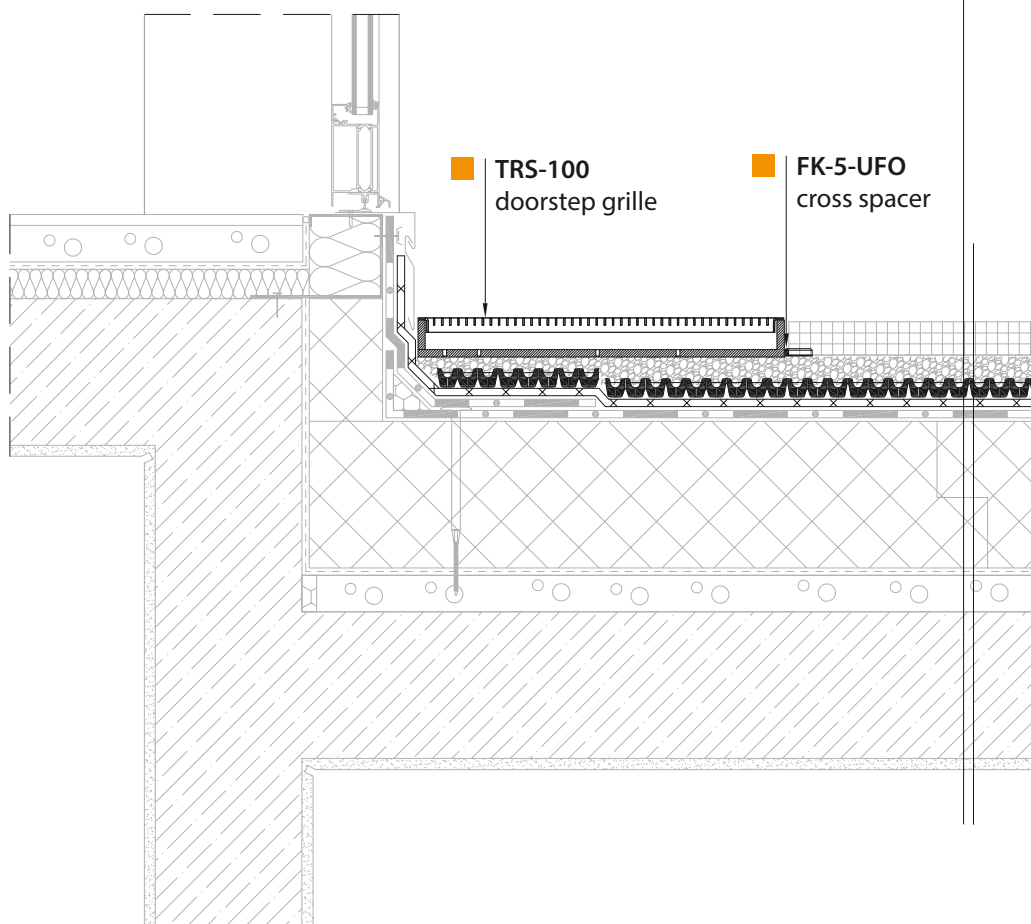
OUTLET IN PAVED ROOF

DIADEM® product: TRF, TRK, FK-5-UFO

date: 2018

drawing number:
350_06

frost-proof pavement (with **FK-5-UFO** cross spacer) ■
 crushed stone bedding min. 3,0 cm ■
DIADEM® DiaDrain-25H-DP drainage board filled ■
DIADEM® VLU-300 protection geotextile ■
 (root-resistant) waterproofing membrane ■
 thermal insulation ■
DIADEM® FLW-400 vapour control layer ■
 additional layers



0 10 50 cm

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DIADEM®350

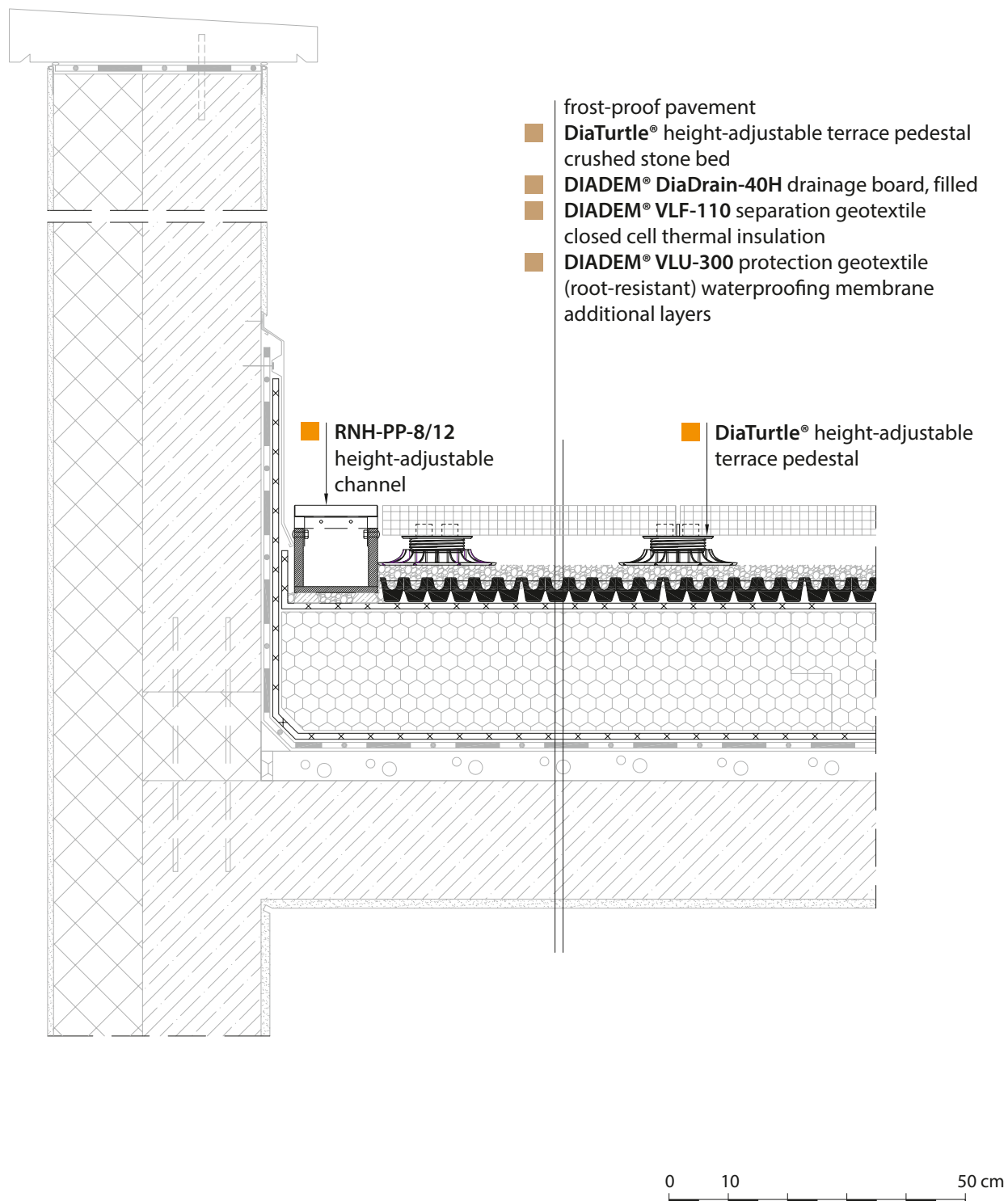
paved terrace, warm roof

TERRACE DOOR CONNECTION

DIADEM® product: TRS, FK-5-UFO

date: 2018

drawing number:
 350_07



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DIADEM®350

inverted terrace

PARAPET WALL CONNECTION

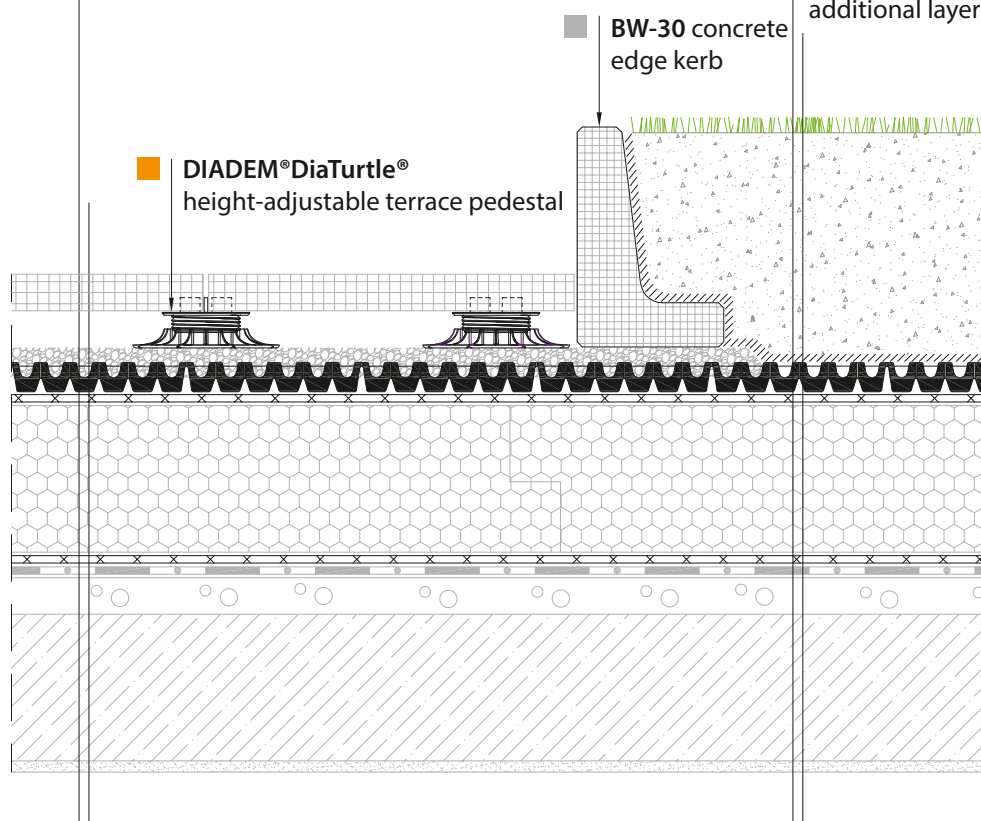
DIADEM® product: RNH, DiaTurtle®

date: 2018

drawing number:
 350_08

- frost-proof pavement
- **DIADEM®DiaTurtle®** height-adjustable terrace pedestal
- crushed stone bedding
- **DIADEM® DiaDrain-40H** drainage board filled
- **DIADEM® VLF-110** separation geotextile
- closed cell thermal insulation
- **DIADEM® VLU-300** protection geotextile
- (root-resistant) waterproofing membrane
- additional layers

- semi- intensive vegetation (lawn)
- **DIADEM® SIM** intensive substrate
- **DIADEM® VLF-200** filter geotextile
- **DIADEM® DiaDrain-40H** drainage board filled
- **DIADEM® VLF-110** separation geotextile
- closed cell thermal insulation
- **DIADEM® VLU-300** protection geotextile
- root-resistant waterproofing membrane
- additional layers



0 10 50 cm

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DIADEM®350

semi-intensive green roof and terrace, inverted roof

JUNCTION

DIADEM® product: BW, DiaTurtle®

date: 2018

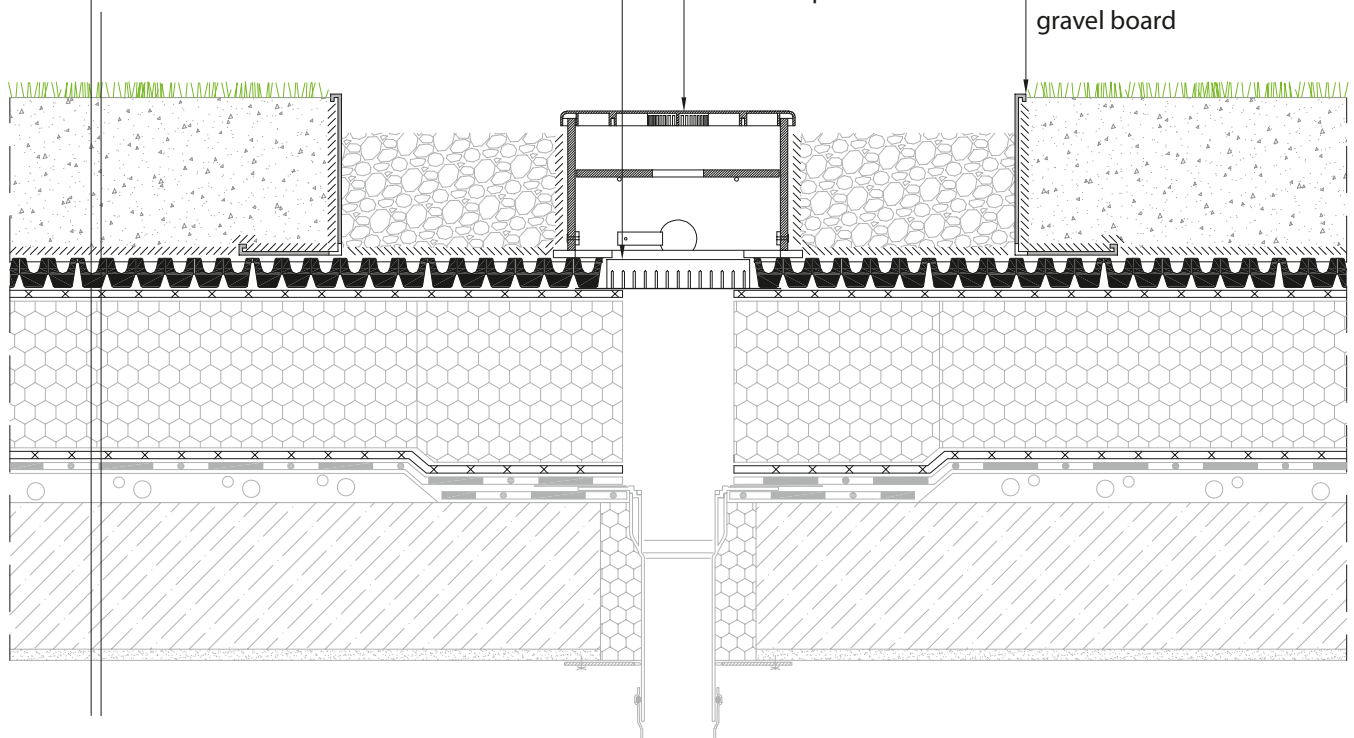
drawing number:
350_09

- semi-intensive vegetation (lawn)
- DIADEM® SIM intensive substrate
- DIADEM® VLF-200 filter geotextile
- DIADEM® DiaDrain-40H drainage board
- DIADEM® VLF-110 separation geotextile
- closed cell thermal insulation
- DIADEM® VLU-300 protection geotextile
- root-resistant waterproofing membrane
- additional layers

■ TRK-20-AL gravel guard

■ KSE-20 inspection box

■ KLS-AL-14/22-TK gravel board



0 10 50 cm

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DIADEM®350

semi-intensive green roof, inverted roof
OUTLET IN GREEN ROOF

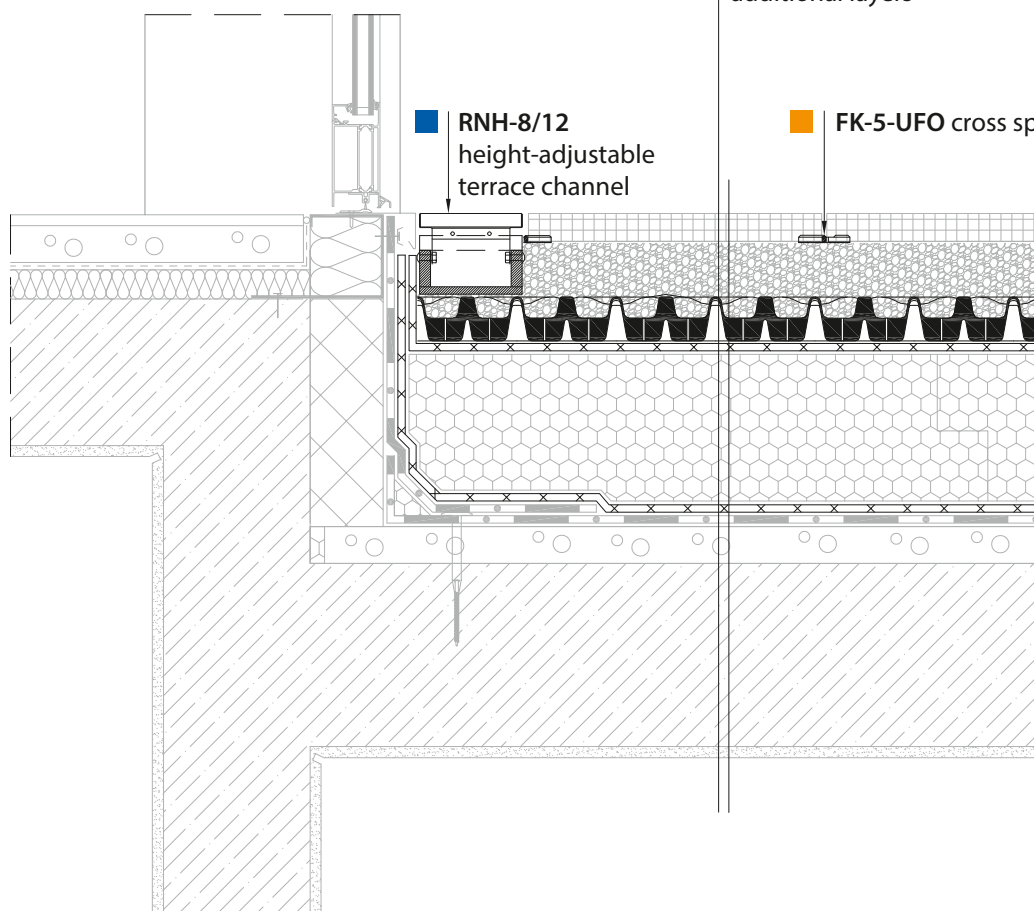
DIADEM® product: KSE, KLS, TRK

date: 2018

drawing number:
350_10



- frost-proof pavement (with **FK-5-UFO** cross spacer)
- crushed stone bedding
- **DIADEM® DiaDrain-60H-UP** drainage board filled
- **DIADEM® VLF-110** separating geotextile
- closed cell thermal insulation
- **DIADEM® VLU-500** protection geotextile
- (root-resistant) waterproofing membrane
- additional layers



0 10 50 cm

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DIADEM®750

paved terrace, inverted roof

TERRACE DOOR CONNECTION FOR DISABLED

DIADEM® product: RNH, FK-5-UFO

date: 2018

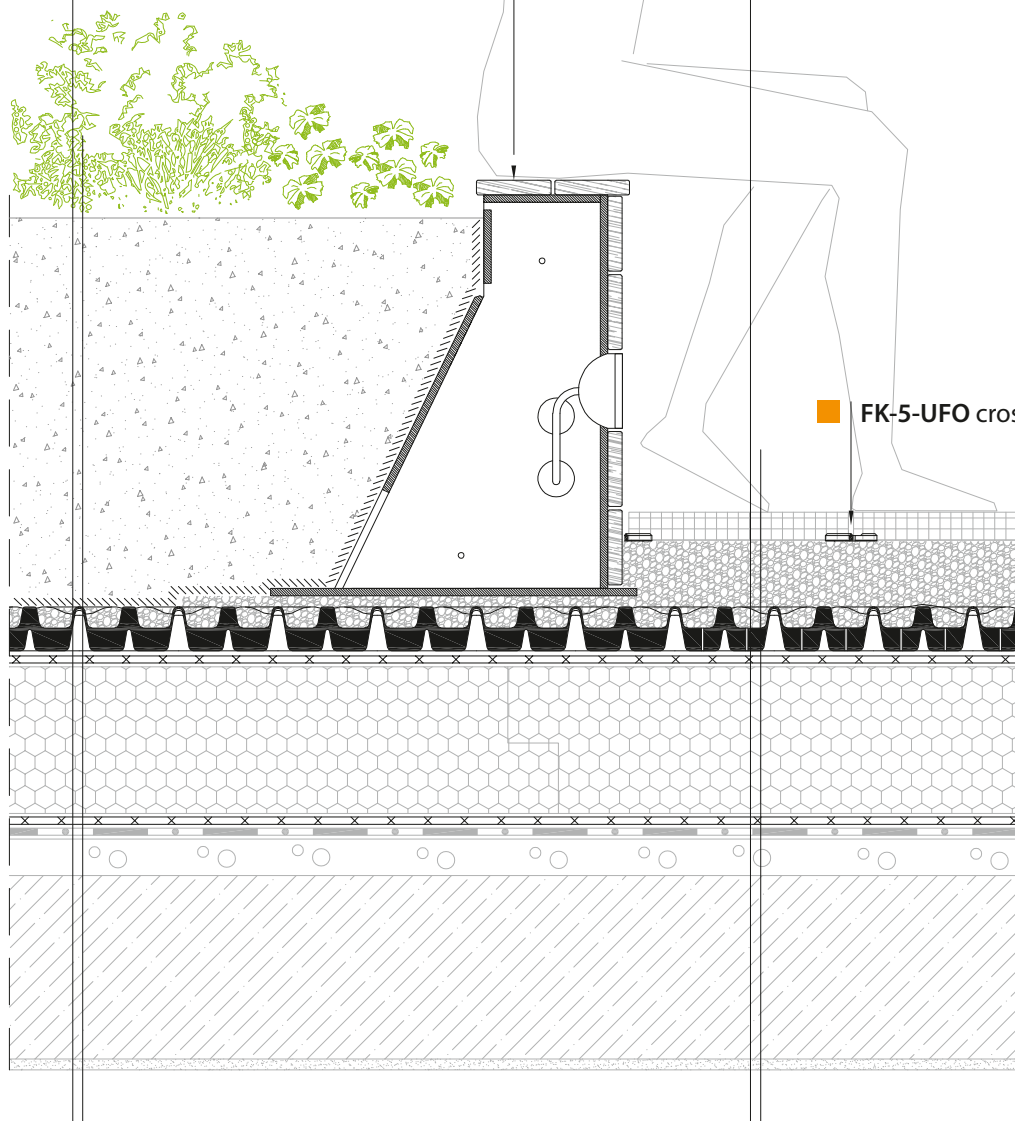
drawing number:
750_01

- intensive vegetation
- **DIADEM® SIM** intensive substrate
- **DIADEM® VLF-200** filter geotextile
- **DIADEM® DiaDrain-60H** drainage board filled
- **DIADEM® VLF-110** separation geotextile
- closed cell thermal insulation
- **DIADEM® VLU-500** protection geotextile
- root-resistant waterproofing membrane
- additional layers

■ **RDA-567** light edging element

- frost-proof pavement (with **FK-5-UFO** cross spacers)
- crushed stone bedding
- **DIADEM® DiaDrain-60H-UP** drainage board filled
- **DIADEM® VLF-110** separation geotextile
- closed cell thermal insulation
- **DIADEM® VLU-500** protection geotextile
- (root-resistant) waterproofing membrane
- additional layers

■ **FK-5-UFO** cross spacer



0 10 50 cm

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DIADEM®750

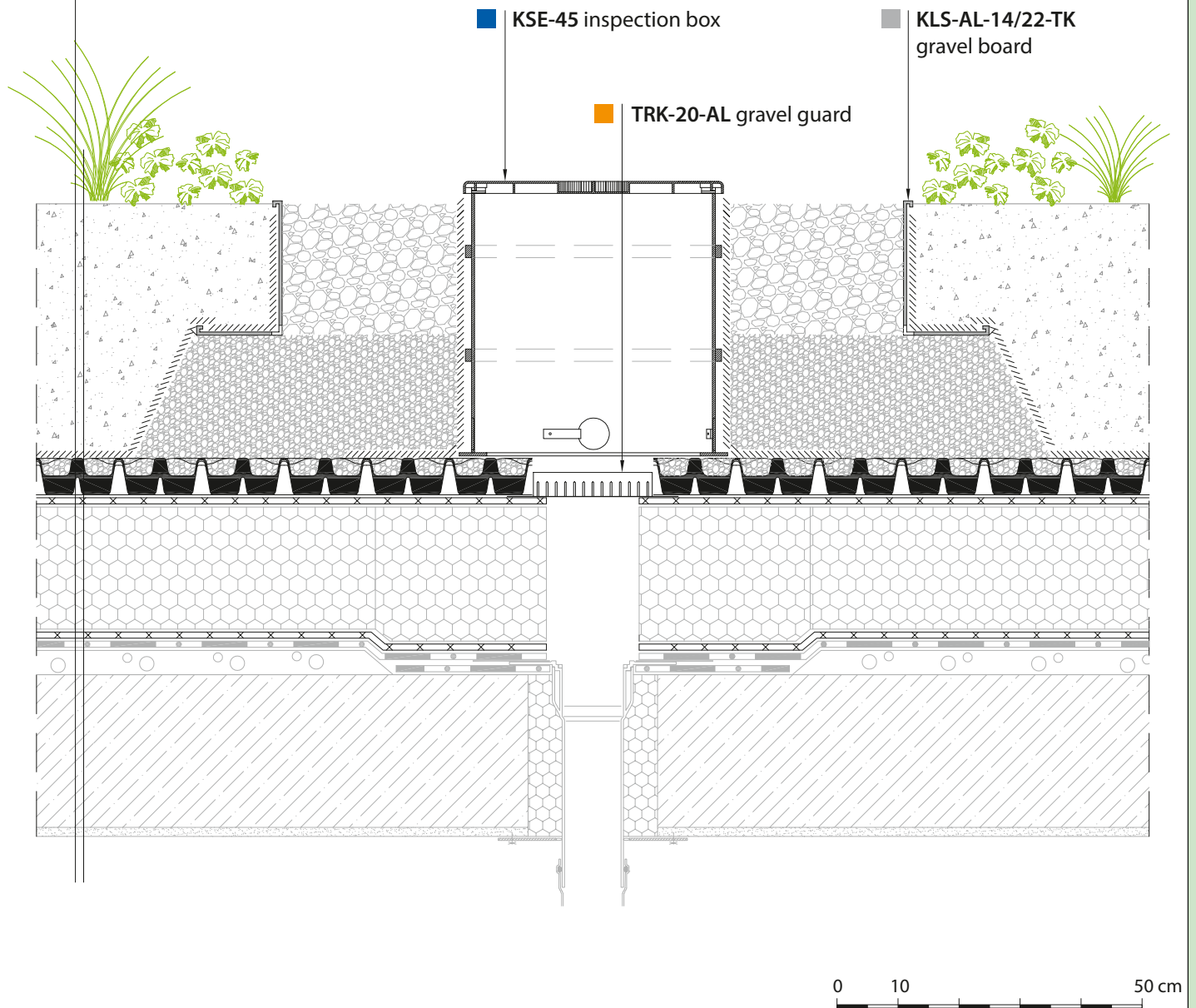
intensive green roof and terrace, inverted roof
JUNCTION

DIADEM® product: RDA, FK-5-UFO

date: 2018

drawing number:
750_02

- intensive vegetation
- DIADEM® SIM intensive substrate
- DIADEM® VLF-200 filter geotextile
- DIADEM® DiaDrain-60H drainage board
- DIADEM® VLF-110 separation geotextile
- closed cell thermal insulation
- DIADEM® VLU-500 protection geotextile
- root-resistant waterproofing membrane
- additional layers



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DIADEM®750

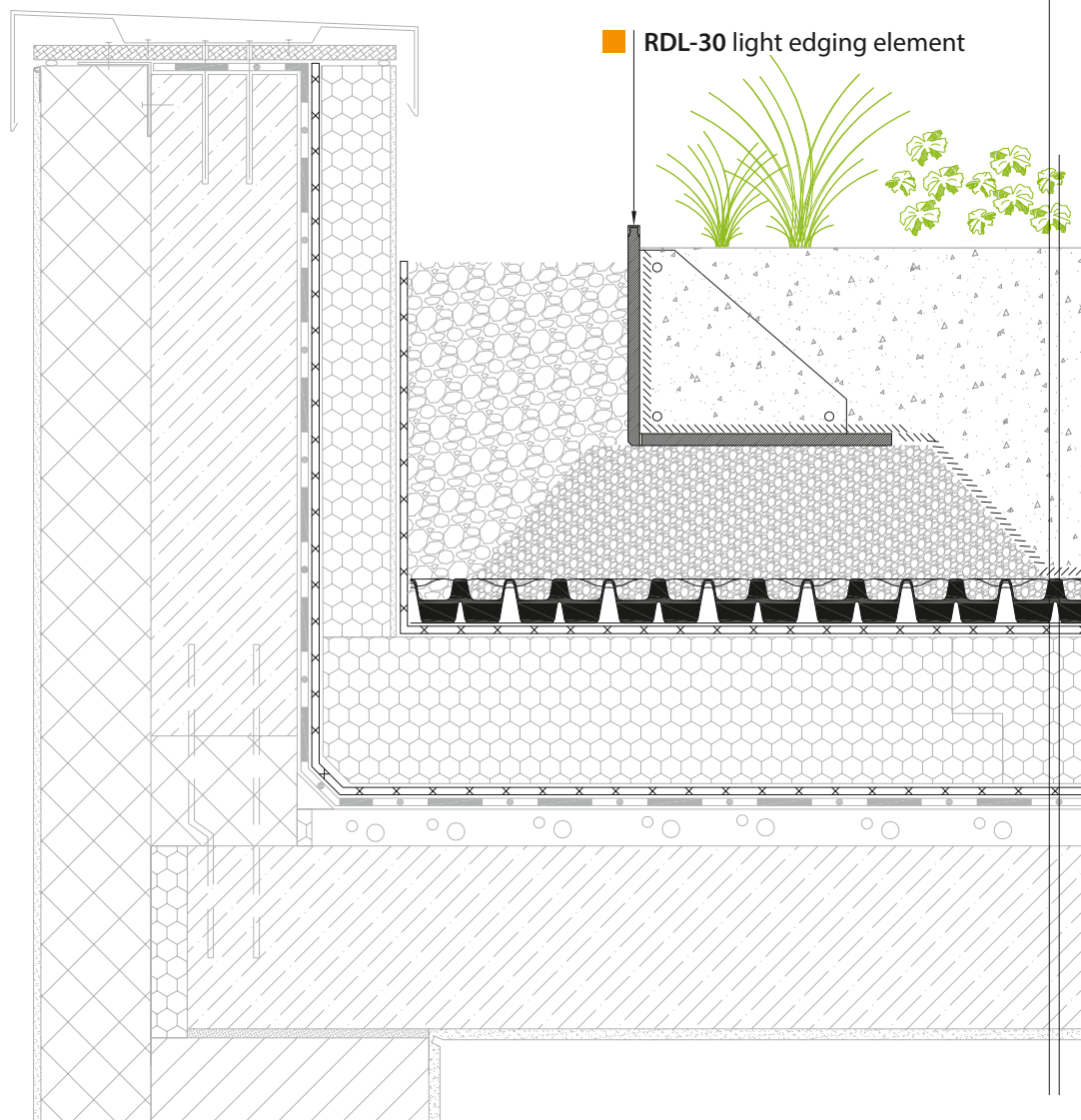
intensive green roof, inverted roof
OUTLET IN GREEN ROOF

DIADEM® product: KSR, KLS, TRK

date: 2018

drawing number:
750_03

intensive vegetation
 DIADEM® SIM intensive substrate
 DIADEM® VLF-200 filter geotextile
 DIADEM® DiaDrain-60H drainage board
 DIADEM® VLF-110 separation geotextile
 closed cell thermal insulation
 DIADEM® VLU-500 protection geotextile
 root-resistant waterproofing membrane
 additional layers



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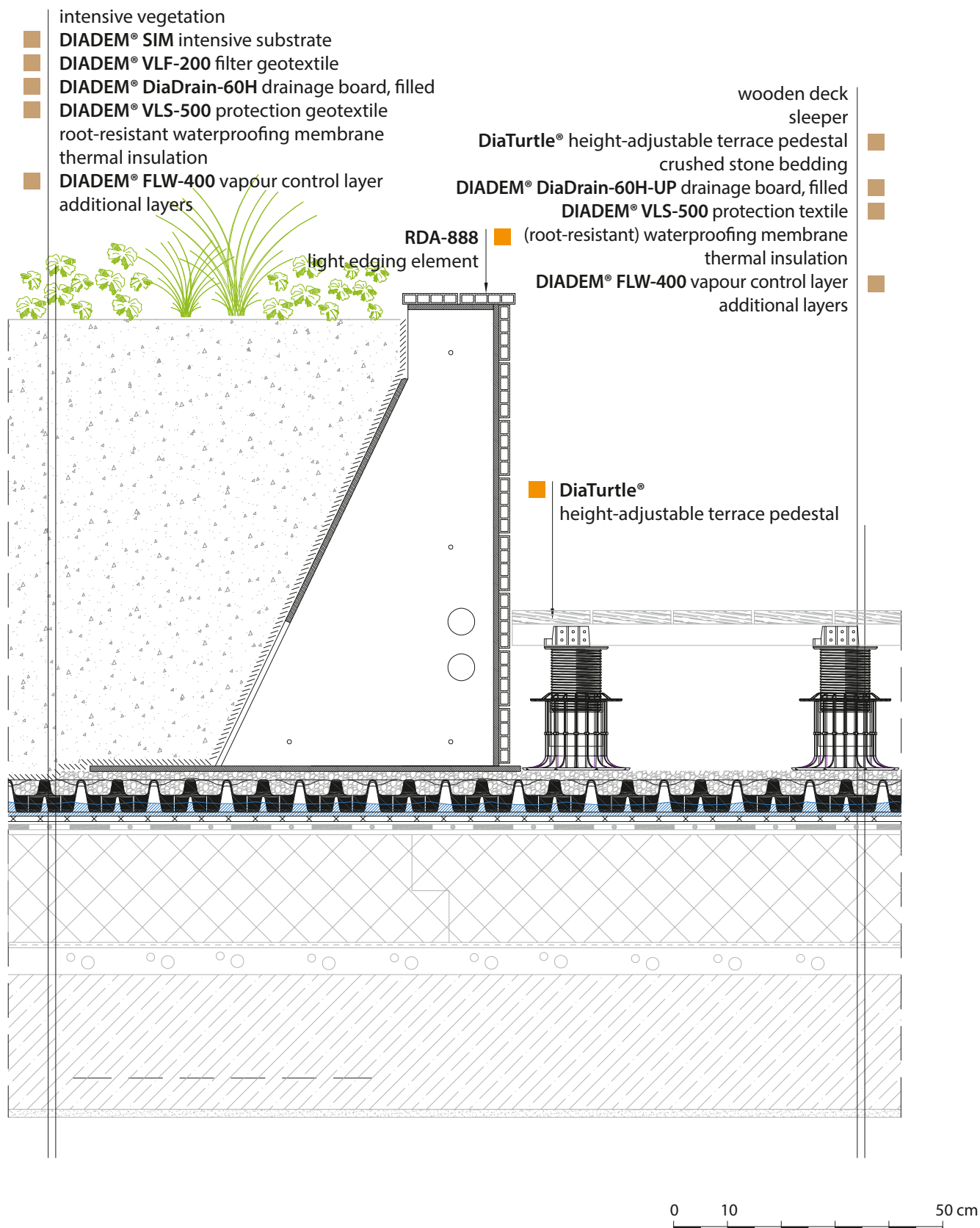
DIADEM®750

intensive green roof, inverted roof
PARAPET WALL CONNECTION

DIADEM® product: RDL

date: 2018

drawing number:
 750_04



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DIADEM®750

conventional layer structure, flooding intensive green roof and terrace
JUNCTION

DIADEM® product: RDA, DiaTurtle®

date: 2018

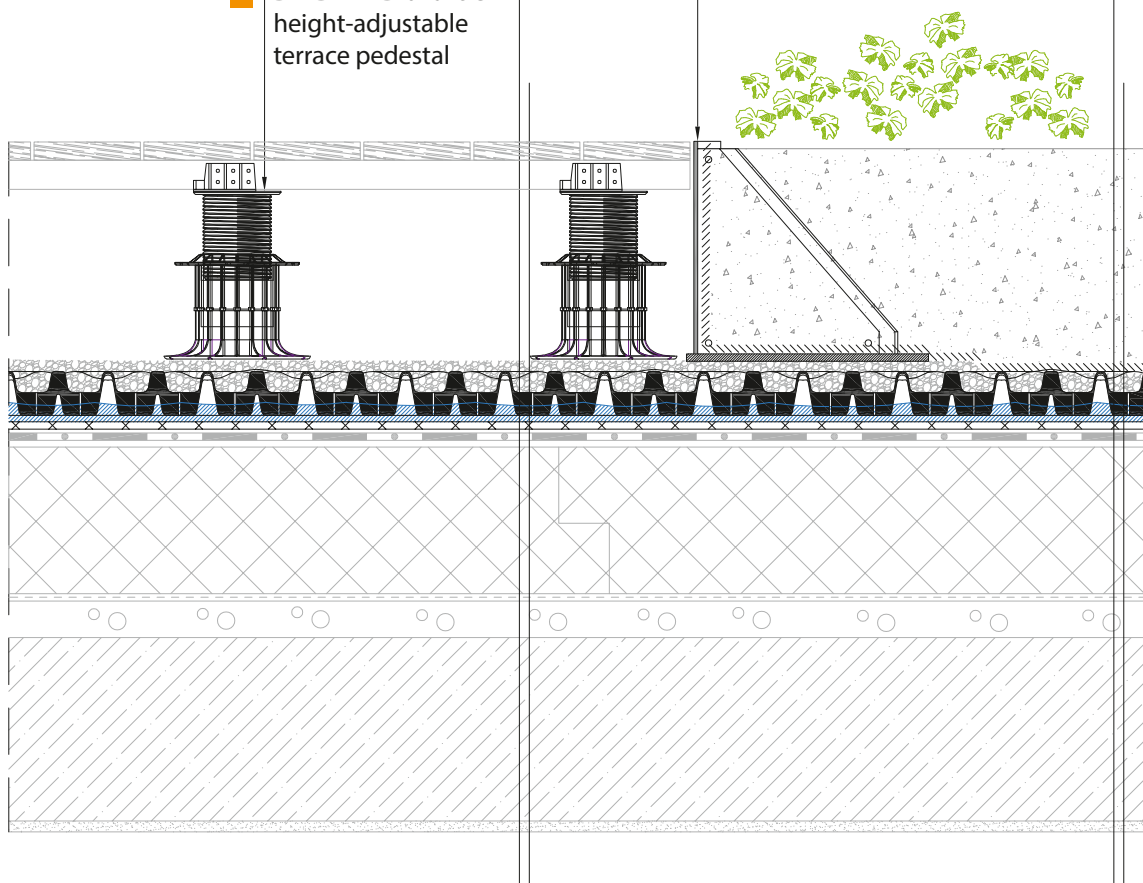
drawing number:
750_05

wooden deck
sleeper
DIADEM® DiaTurtle® height-adjustable terrace pedestal
 crushed stone bedding
DIADEM® DiaDrain-60H-UP drainage board filled
DIADEM® VLS-500 protection geotextile
 (root-resistant) waterproofing membrane
 thermal insulation
DIADEM® FLW-400 vapour control layer
 additional layers

DIADEM® DiaTurtle®
height-adjustable
terrace pedestal

intensive vegetation
DIADEM® SIM intensive substrate
DIADEM® VLF-200 filter geotextile
DIADEM® DiaDrain-60H-UP drainage board filled
DIADEM® VLS-500 protection geotextile
 root-resistant waterproofing membrane
 thermal insulation
DIADEM® FLW-400 vapour control layer
 additional layers

RDB-30 curved
edge element



0 10 50 cm

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DIADEM®750

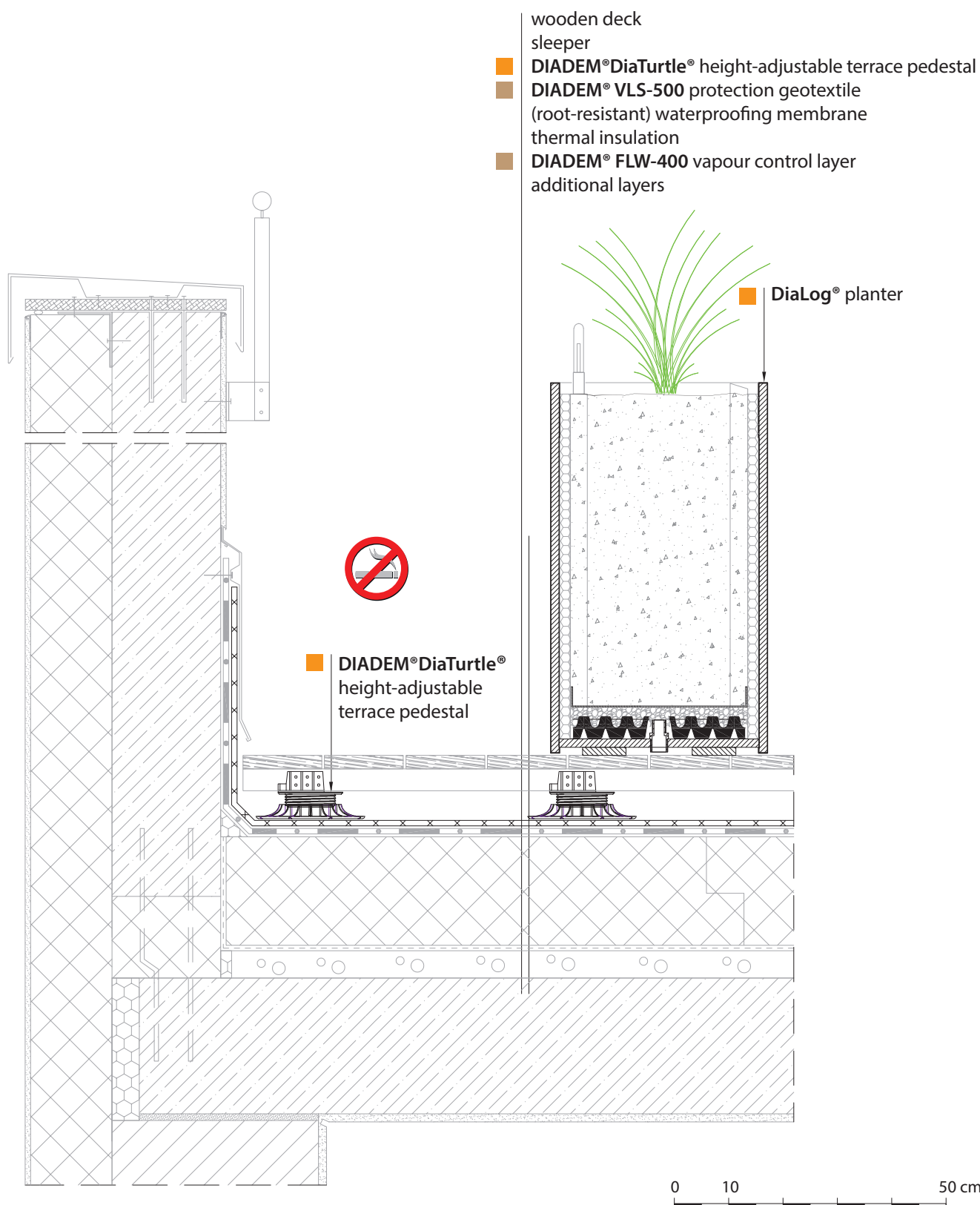
flooded, intensive green roof, warm roof

JUNCTION

DIADEM® product: RDB, DiaTurtle®

date: 2018

drawing number:
750_06



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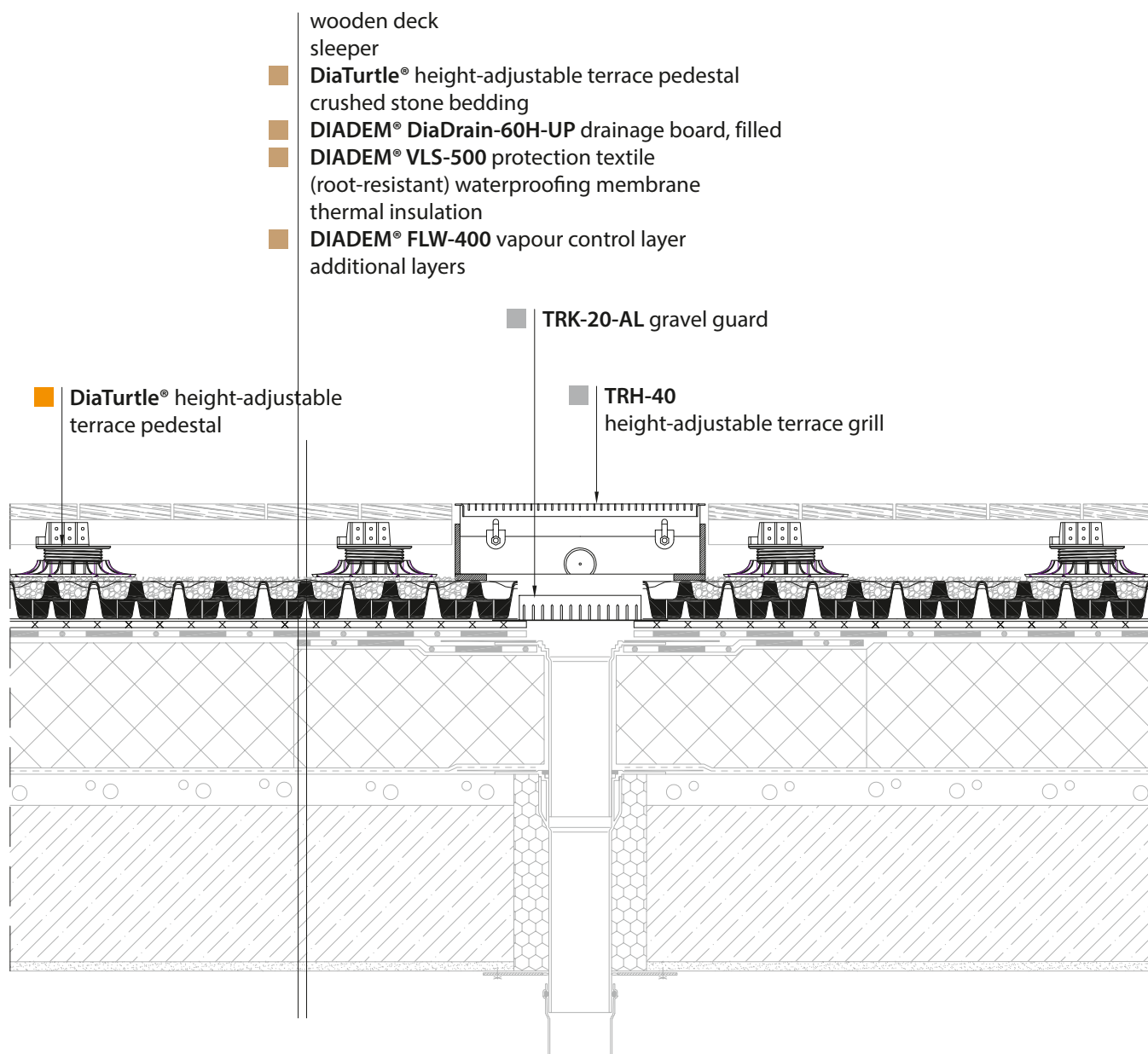
DIADEM®750

non-smoking terrace, warm roof
PARAPET WALL CONNECTION

DIADEM product: DiaTurtle®, DiaLog®

date: 2018

drawing number:
750_07



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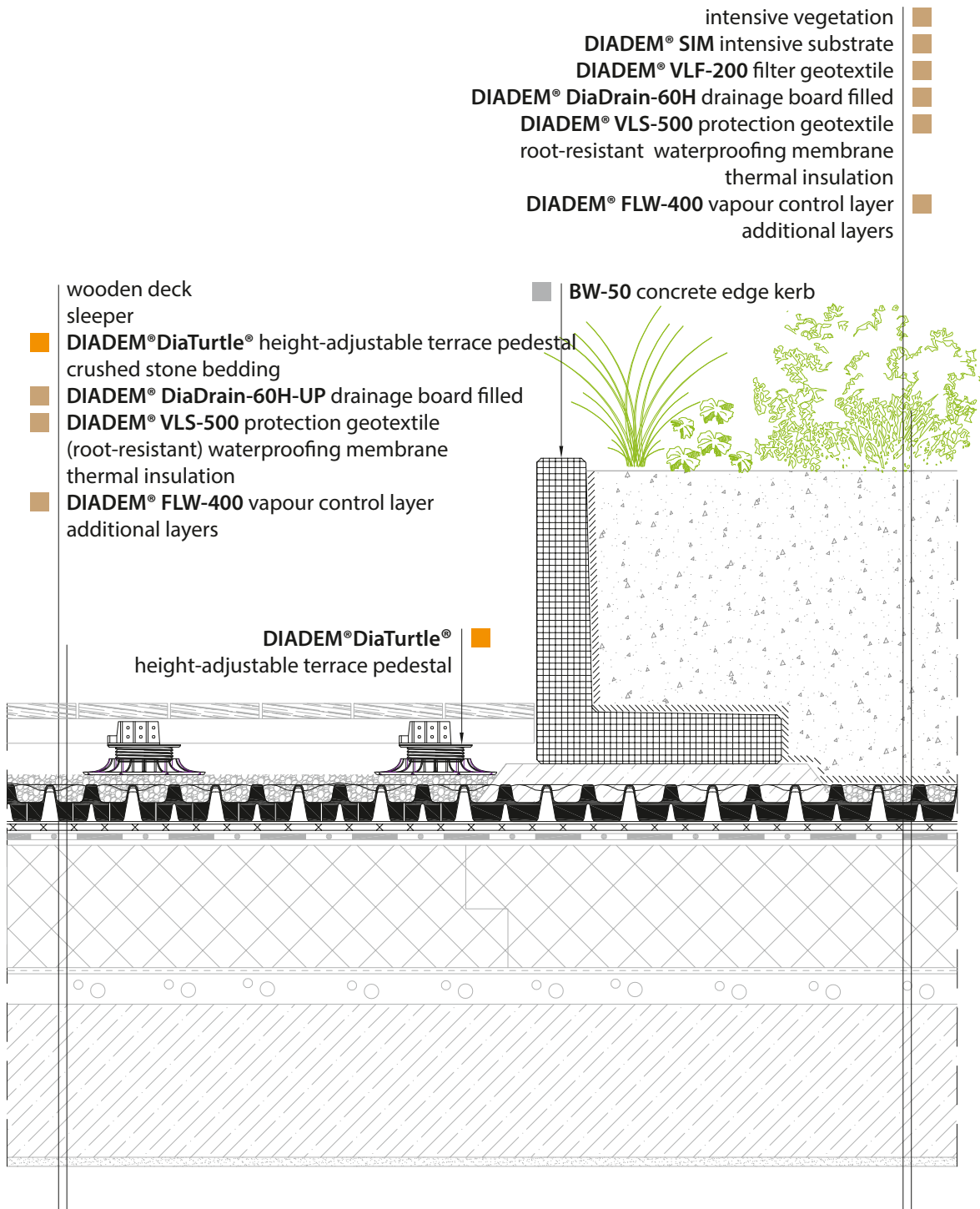
DIADEM®750

terrace deck, warm roof
OUTLET IN PAVED ROOF

DIADEM® product: TRH, TRK, DiaTurtle®

date: 2018

drawing number:
750_08



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DIADEM®750

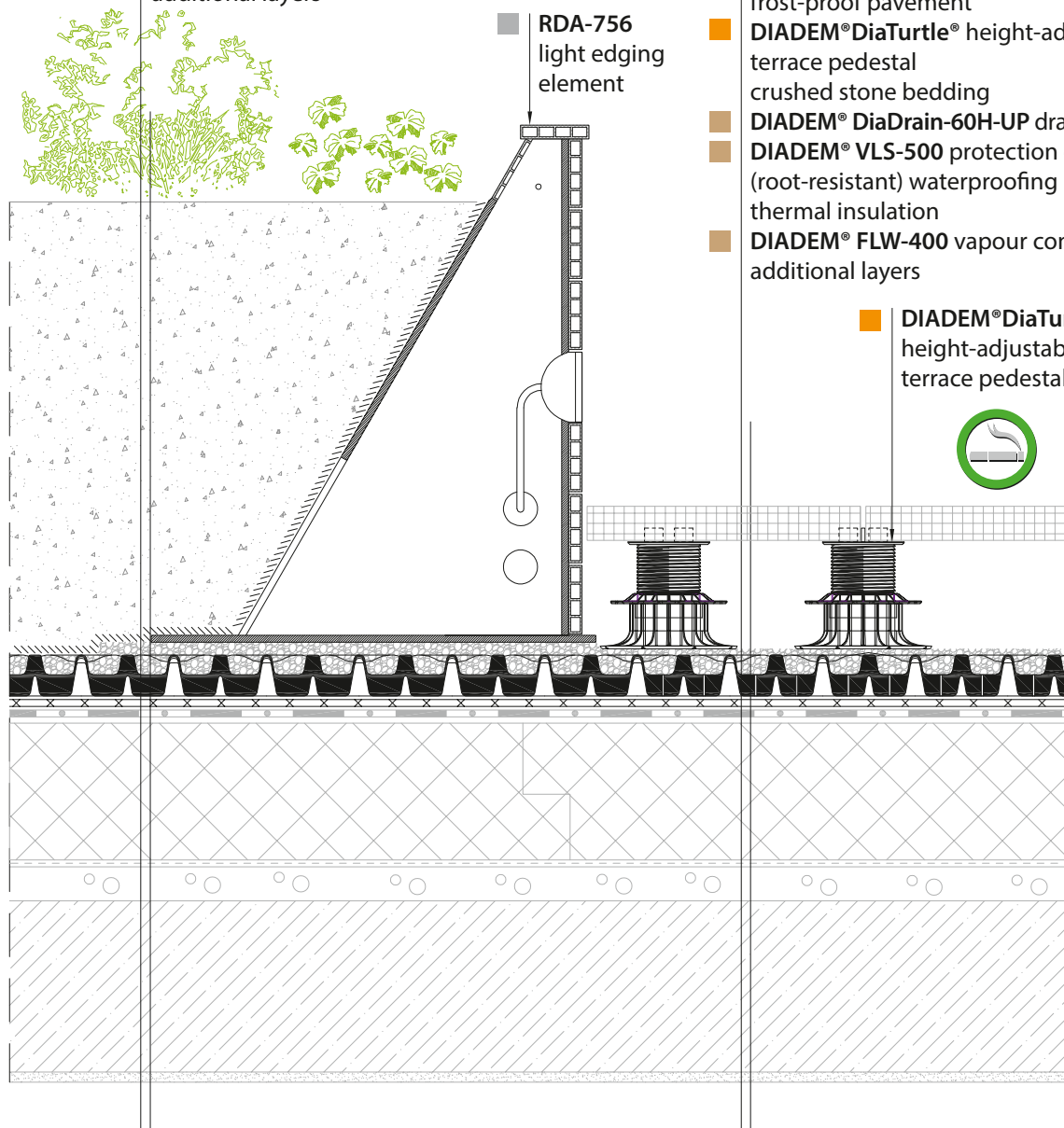
intensive green roof and terrace, warm roof
JUNCTION

DIADEM® product: BW, DiaTurtle®

date: 2018

drawing number:
750_09

- intensive vegetation
- **DIADEM® SIM** intensive substrate
- **DIADEM® VLF-200** filter geotextile
- **DIADEM® DiaDrain-60H** drainage board filled
- **DIADEM® VLS-500** protection geotextile
- root-resistant waterproofing membrane
- thermal insulation
- **DIADEM® FLW-400** vapour control layer
- additional layers



- frost-proof pavement
- **DIADEM® DiaTurtle®** height-adjustable terrace pedestal
- crushed stone bedding
- **DIADEM® DiaDrain-60H-UP** drainage board filled
- **DIADEM® VLS-500** protection geotextile
- (root-resistant) waterproofing membrane
- thermal insulation
- **DIADEM® FLW-400** vapour control layer
- additional layers

- **DIADEM® DiaTurtle®** height-adjustable terrace pedestal



0 10 50 cm

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DIADEM®750

intensive green roof and terrace, warm roof
JUNCTION

DIADEM® product: RDA, DiaTurtle®

date: 2018

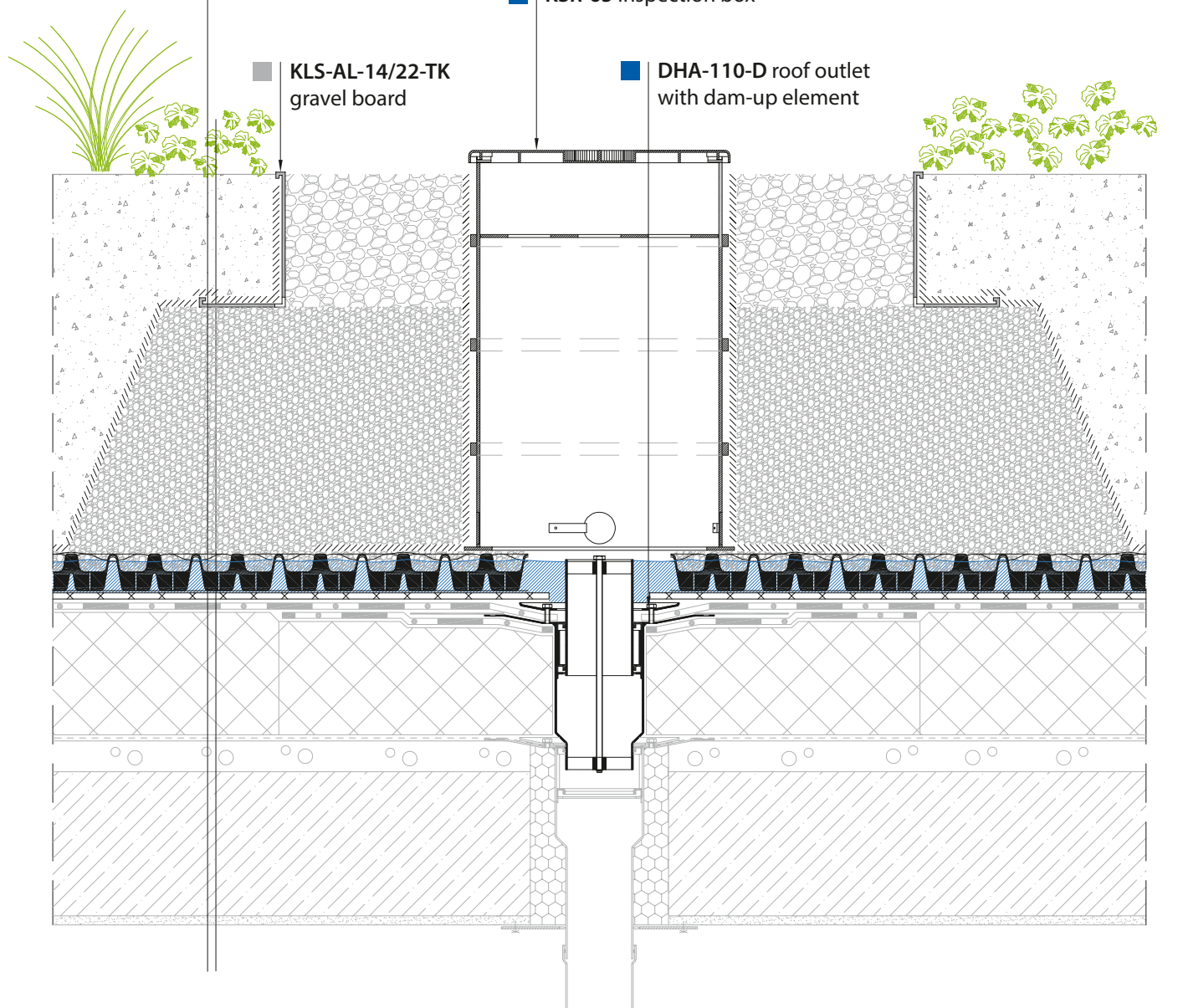
drawing number:
750_10

- intensive vegetation
- **DIADEM® SIM** intensive substrate
- **DIADEM® VLF-200** filter geotextile
- **DIADEM® DiaDrain-60H-UP** drainage board filled
- **DIADEM® VLS-500** protection geotextile
- root-resistant waterproofing membrane
- thermal insulation
- **DIADEM® FLW-400** vapour control layer
- additional layers

■ **KSR-65** inspection box

■ **KLS-AL-14/22-TK**
gravel board

■ **DHA-110-D** roof outlet
with dam-up element



0 10 50 cm

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DIADEM®750

flooded, intensive green roof, warm roof

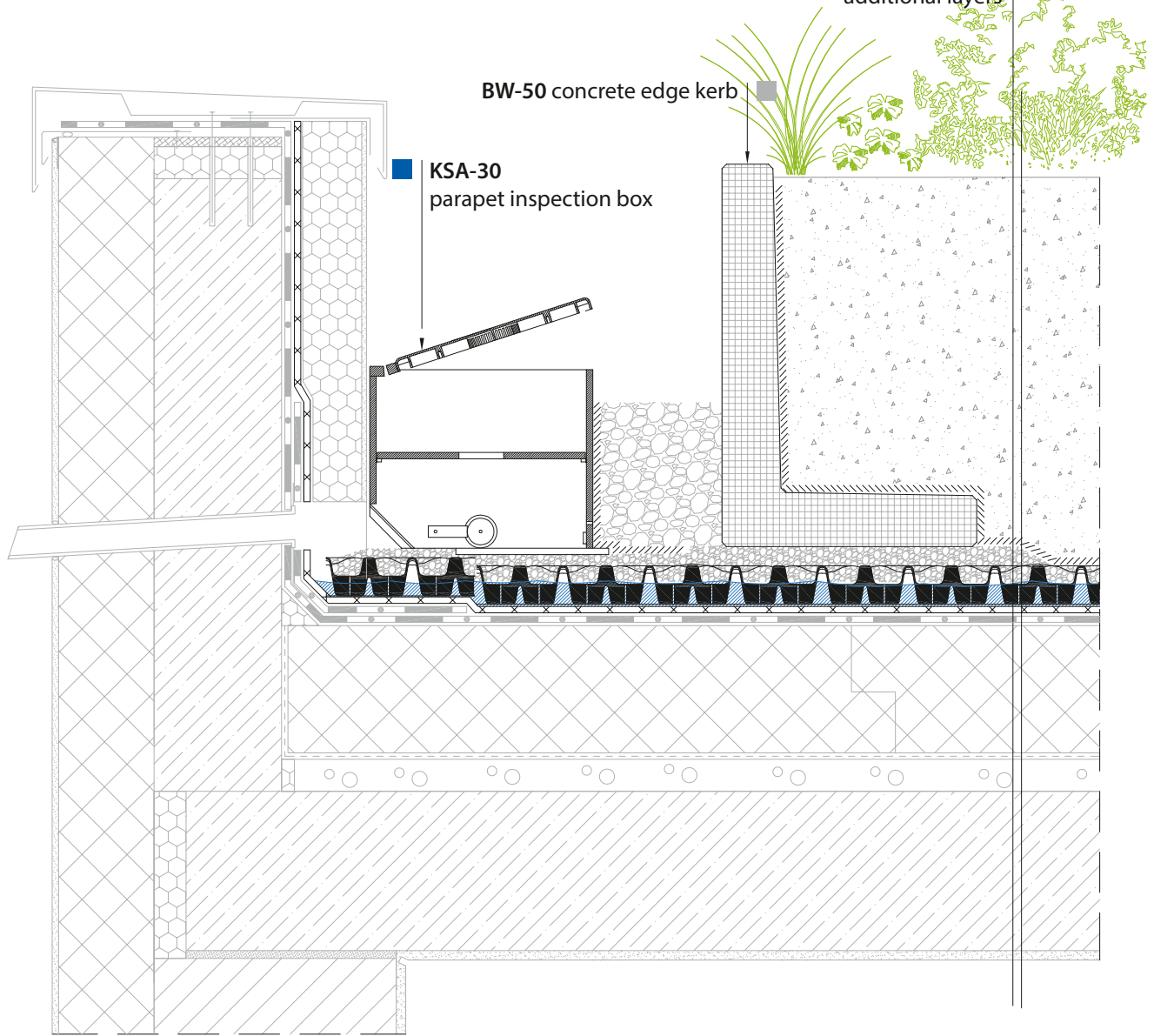
OUTLET IN GREEN ROOF

DIADEM® product: KSR, DHA, KLS

date: 2018

drawing number:
750_11

- intensive vegetation
- DIADEM® SIM intensive substrate
- DIADEM® VLF-200 filter geotextile
- DIADEM® DiaDrain-60H-UP drainage board filled
- DIADEM® VLS-500 protection geotextile
- root-resistant waterproofing membrane
- thermal insulation
- DIADEM® FLW-400 vapour control layer
- additional layers



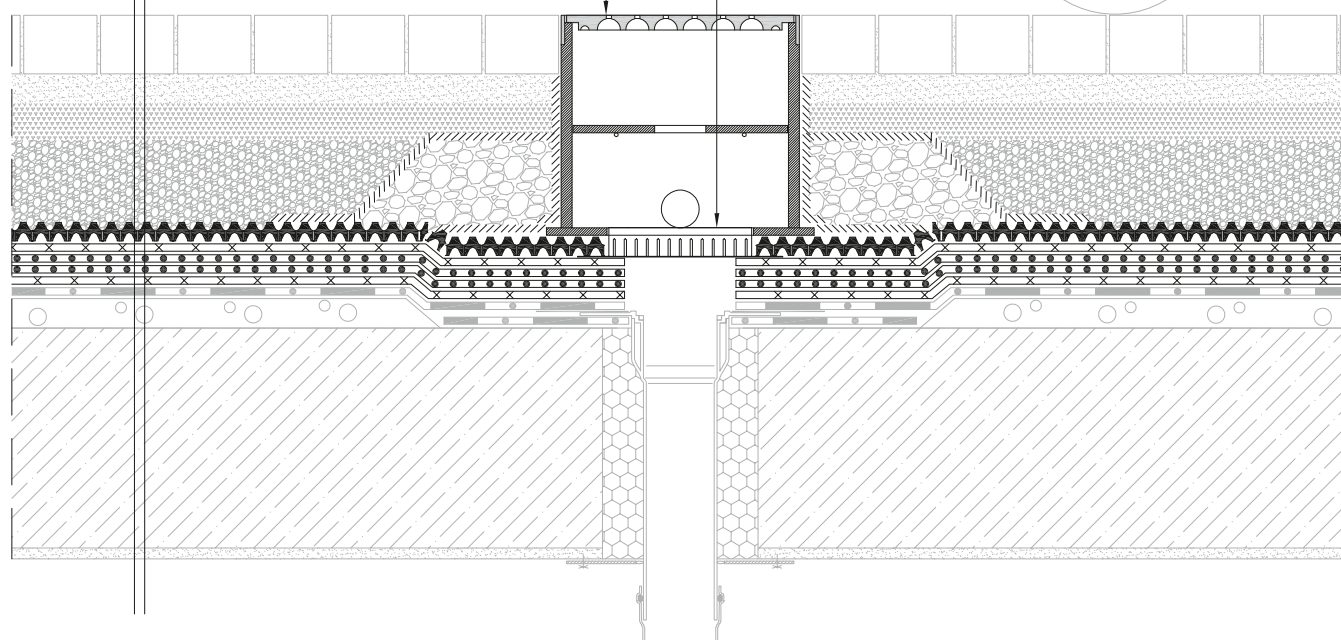
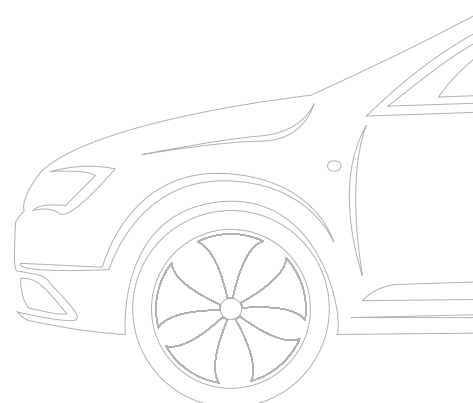
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cubble stone pavement
 bedding layer min. 4cm
 leveled crushed stone bedding 4-5cm
 consolidated crushed stone bedding min 10cm
 ■ DIADEM® DiaMassive-25 drainage board filled
 ■ DIADEM® VLU-300 protection geotextile
 ■ DIADEM® GF-1000 skid membrane in 2 lyrs.
 ■ DIADEM® VLU-500 protection geotextile
 (root-resistant) waterproofing membrane
 additional layers

■ TGS-30 traffic safe
 inspection box

■ TRK-20-AL
 gravel guard



0 10 50 cm

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DIADEM®1200

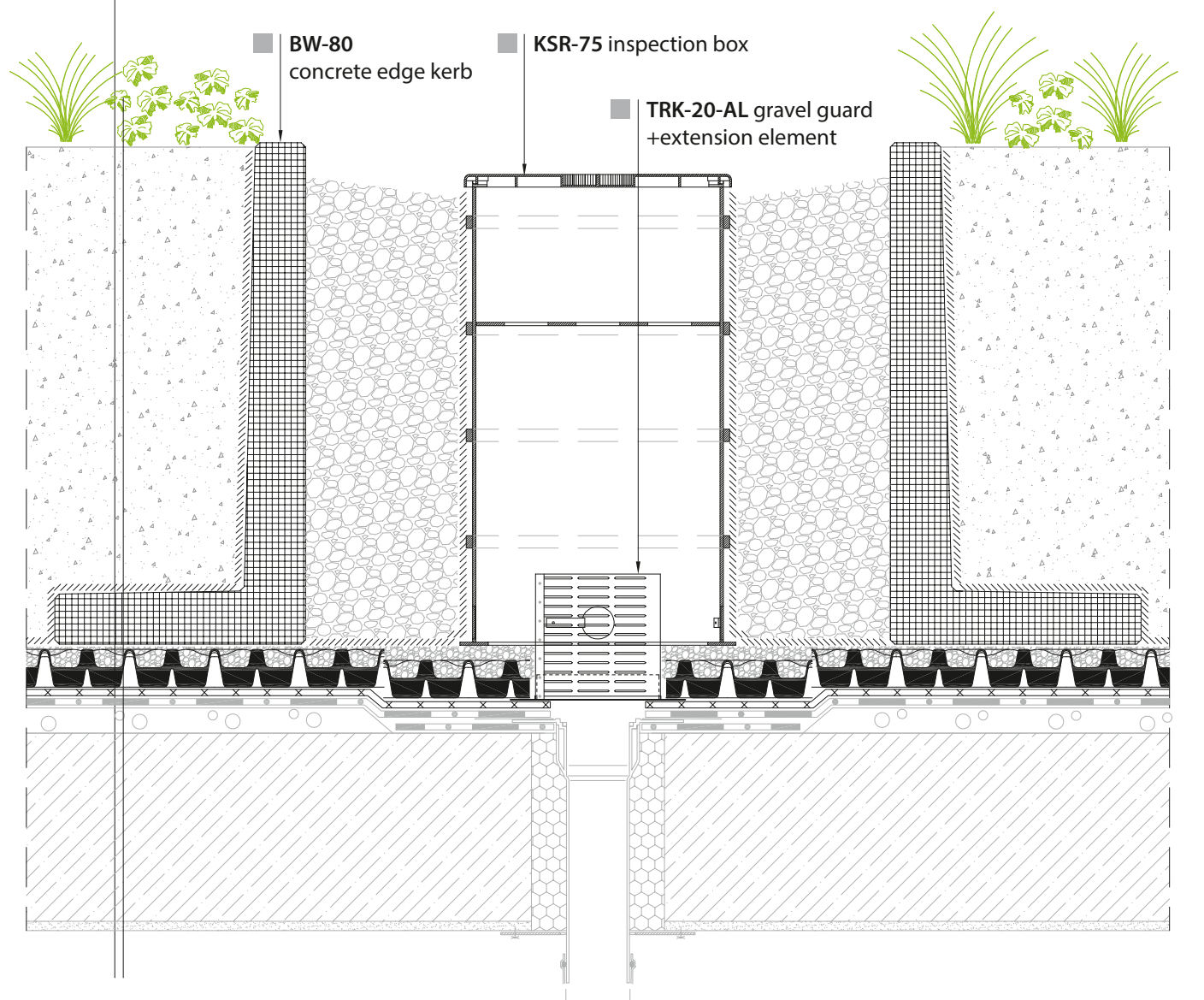
paved roof for light vehicle traffic
OUTLET IN PAVED ROOF

DIADEM® product: TGS, TRK

date: 2018

drawing number:
 1200_01

- Intensive vegetation
- DIADEM® SIM intensive substrate
- DIADEM® VLF-200 filter textile
- DIADEM® DiaDrain-60H drainage board, filled
- DIADEM® VLU-500 protection textile
- root-resistant waterproofing membrane
- additional layers



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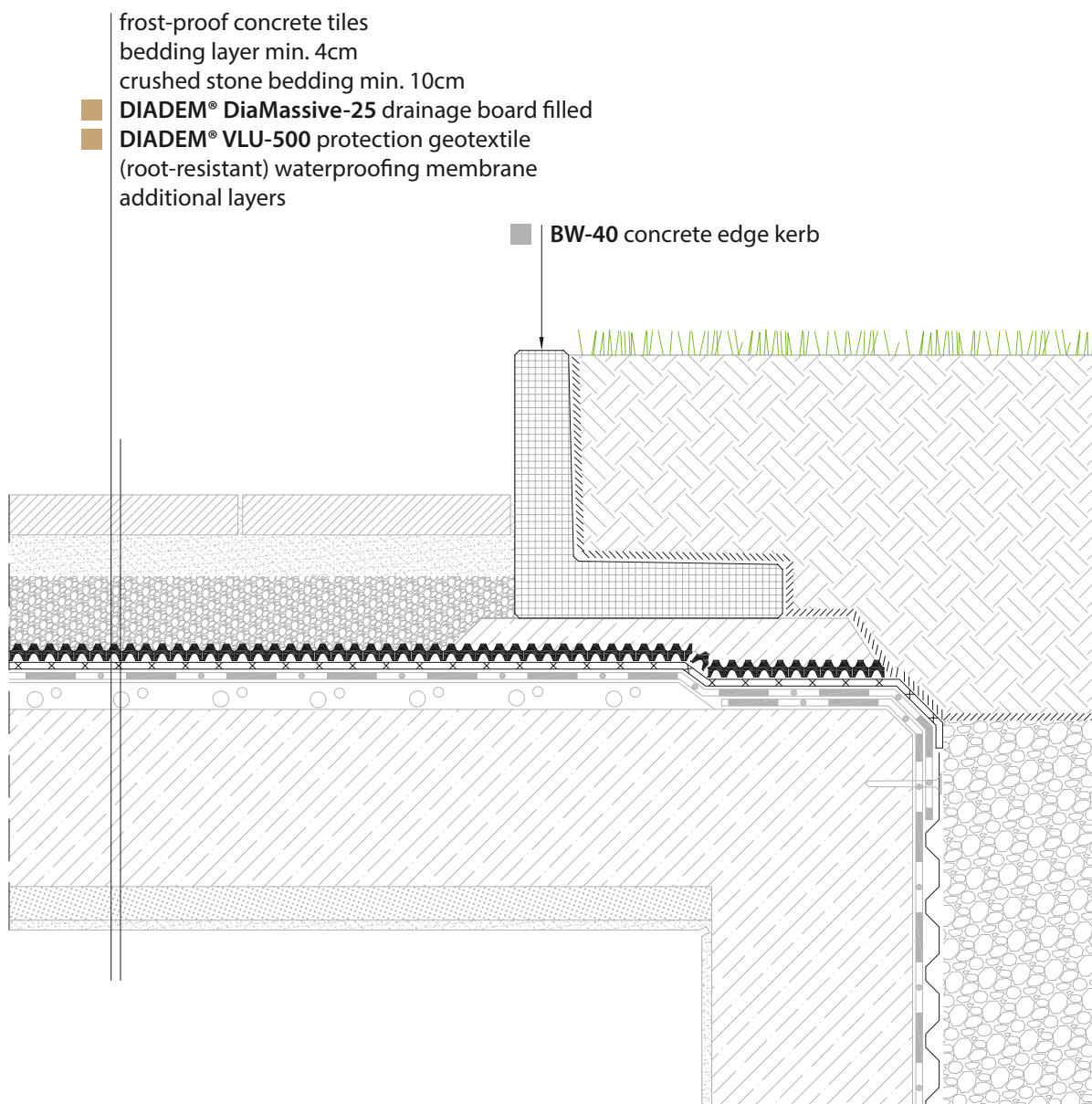
DIADEM®1200

robust intensive green roof, warm roof
OUTLET IN GREEN ROOF

DIADEM® product: KSR, BW, TRK

date: 2018

drawing number:
1200_02



0 10 50 cm

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DIADEM®1200
 paved roof for pedestrian traffic
GARDEN CONNECTION

DIADEM® product: BW

date: 2018

drawing number:
 1200_03