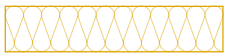
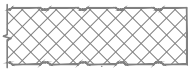
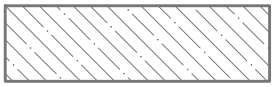
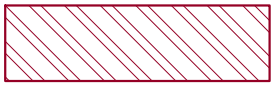
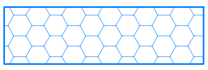
TECHNONICOL

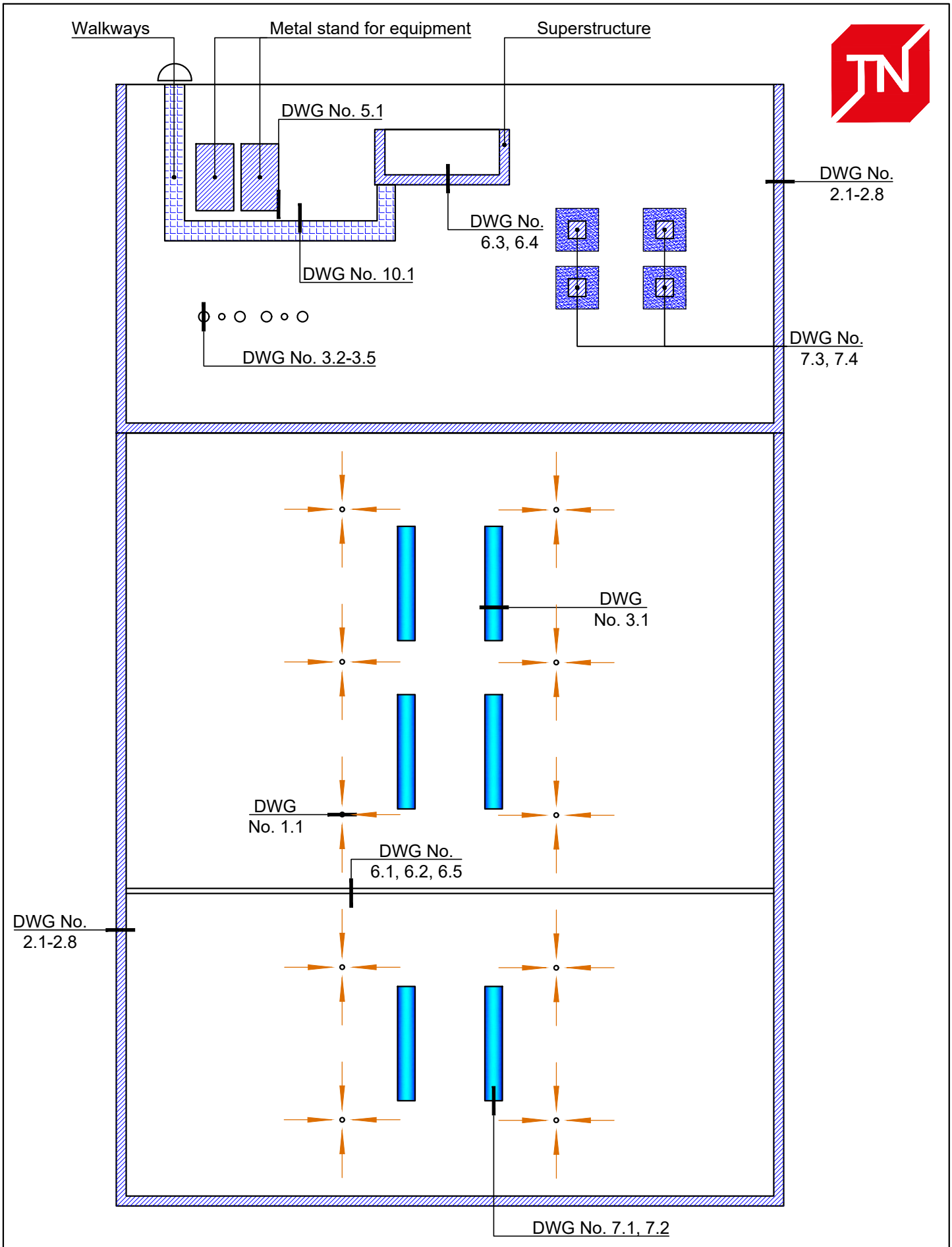
ALBUM OF TECHNICAL SOLUTIONS FOR ARRANGEMENT OF JUNCTIONS IN INSULATED FLAT ROOFS WITH WATERPROOFING LAYER MADE OF BITUMEN ROLL MEMBRANES ON CONCRETE BASE ON OPERATED GREEN ROOFS

TN_ROOF_BRM_CONCRETE_GREEN_EN

SYMBOLS

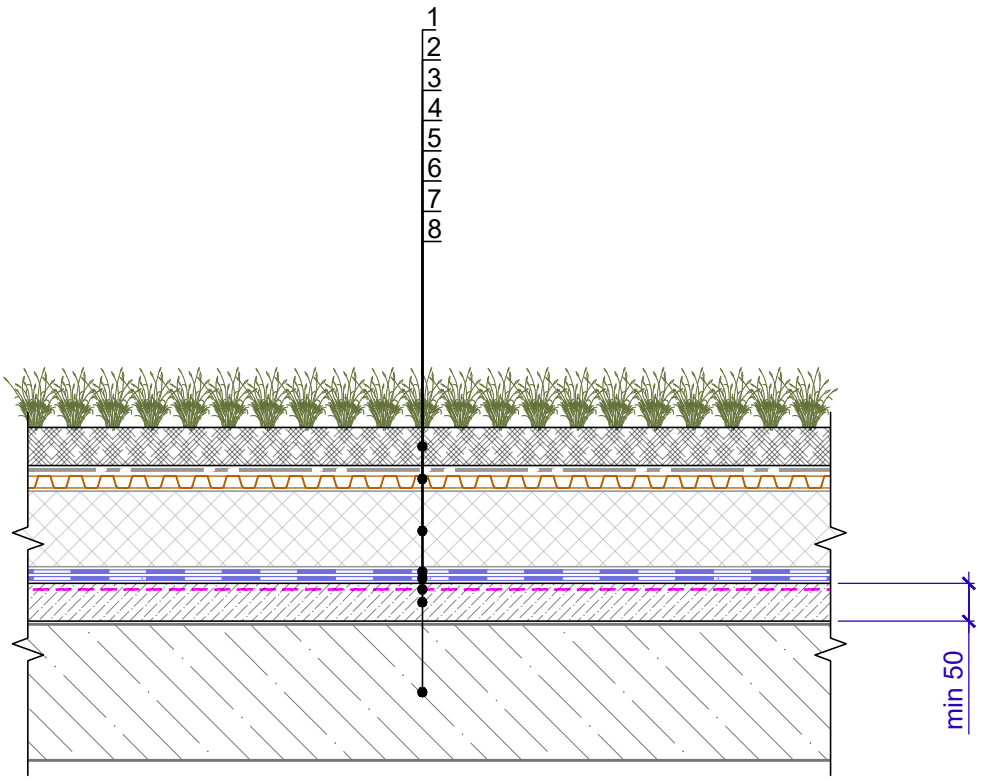
Rough sketch	Description
	Vapor barrier
	Insulation (Stone wool)
	Separation layer (Geotextile)
	Waterproofing (top layer)
	Waterproofing (bottom layer)
	Mastic
	Clamping rail
	Edge rail
	Sealant
	Sandwich panel
	Reinforced concrete structure
	Brick construction (block construction)
	Insulation (PIR)
	Insulation (XPS)
	System (material set)
	Waterproofing (reinforcement layer)

				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Symbols	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No.	REV.



				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
					SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED	Scheme of labelling of system details	DWG No.	REV.

DWG No.
01 - 2021.05



1 Vegetation substrate with trees and shrubs

2 Dimpled drainage membrane PLANTER geo

3 XPS thermal insulation boards, TECHNONICOL CARBON PROF 300

4 Waterproofing (top layer) - Ultraplast Green

5 Waterproofing (bottom layer) - Ultraplast B (APP)

6 Bitumen Prime Coating

7 Sand cement screed min 50 mm (Slope-forming layer)

8 Reinforced concrete base

				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Structure of roofing solutions	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No.	REV.

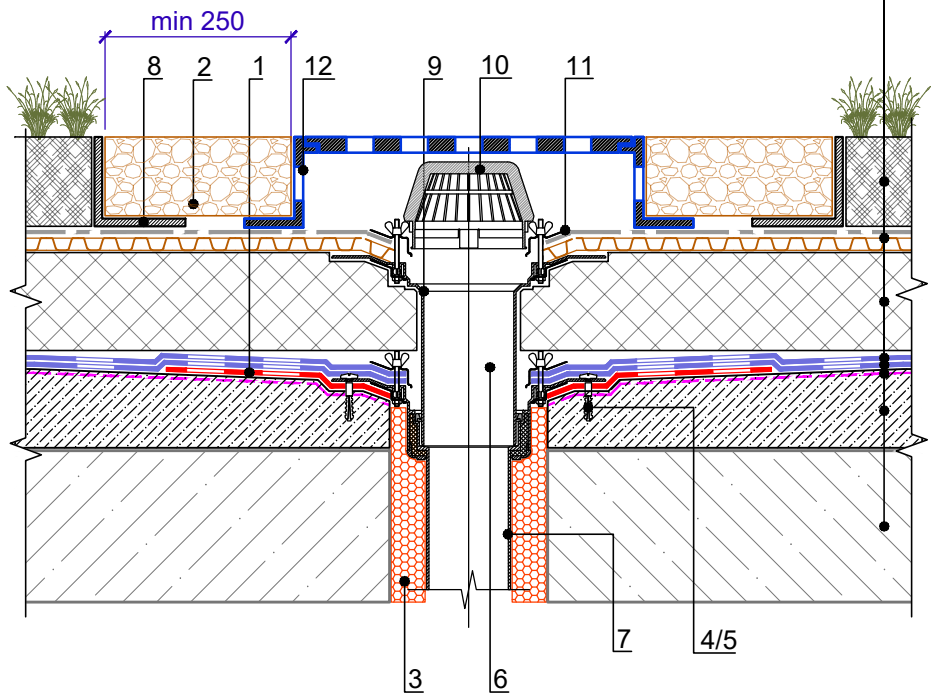
TN_ROOF_BRM_CONCRETE_GREEN_EN

Register of drawings for gutter construction

№	Name	DWG No.
1.1	Inner drain. Water intake funnel	1.1

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **1.1 - 2021.04**

Vegetation substrate with trees and shrubs
Dimpled drainage membrane PLANTER geo
XPS TECHNONICOL CARBON PROF 300
Ultraplast Green
Ultraplast B (APP)
Bitumen Prime Coating
Sand-cement screed
Reinforced concrete base



Specification of detail DWG No. 1.1 - 2021.04

Position	Name	Consumption	Unit	Note
1	Ultraplast B (APP)	0.36	m^2	reinforcement layer
2	Washed gravel with 20-40 mm fraction	upon the project	m^3	
3	Construction foam	upon the project	pcs.	
4	Pointed self-tapping screw 4.8x50	12	pcs.	
5	Anchor element 8x45	12	pcs.	
6	Drain ring D1	1	pcs.	
7	Water intake funnel	1	pcs.	
8	L-shaped plastic element	1.05	m	
9	Put-on element	1	pcs.	
10	Gutter drain	1	pcs.	
11	Crimping flange (set with funnel)	1	pcs.	
12	Drainage grate	upon the project	pcs.	

Notes
1. Provide for an increase in the slope at the funnel up to 5% within a radius of at least 500 mm around.
2. It is recommended that the funnel be deepened by 20-30 mm relative to the roof level.
3. Join the put-on element to the lower funnel properly.

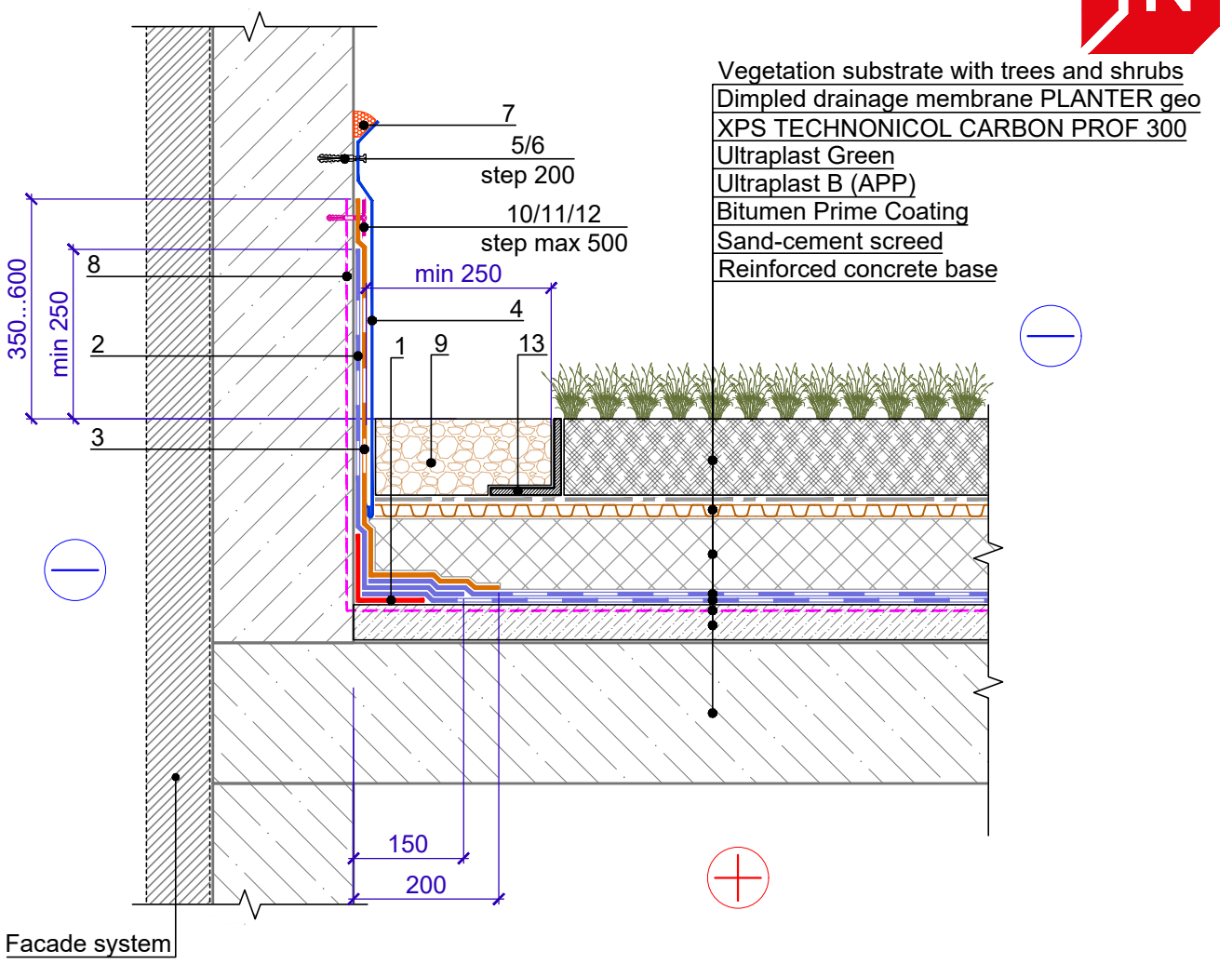
				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
					SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED	Inner drain. Water intake funnel	DWG No. 1.1 - 2021.04	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN

Register of drawings for junctions to the vertical surfaces

№	Name	DWG No.
2.1	Junction to vertical surfaces without vertical insulation. For rough surfaces (concrete)	2.1
2.2	Junction to vertical surfaces without vertical insulation. For rough surfaces (concrete)	2.2
2.3	Junction to a parapet no more than 600 mm high with insulation and waterproofing installation on the parapet. Option 1	2.3
2.4	Junction to a parapet no more than 600 mm high with insulation and waterproofing installation on the parapet. Option 2	2.4
2.5	Junction to a parapet 600 mm to 1200 mm high with insulation and waterproofing installation on the parapet. Option 1.	2.5
2.6	Junction to a parapet 600 mm to 1200 mm high with insulation and waterproofing installation on the parapet. Option 1.	2.6
2.7	Junction to a high insulated parapet without waterproofing installation on the parapet	2.7
2.8	Junction to vertical surfaces with vertical insulation. For rough surfaces	2.8

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **2.1 - 2021.04**

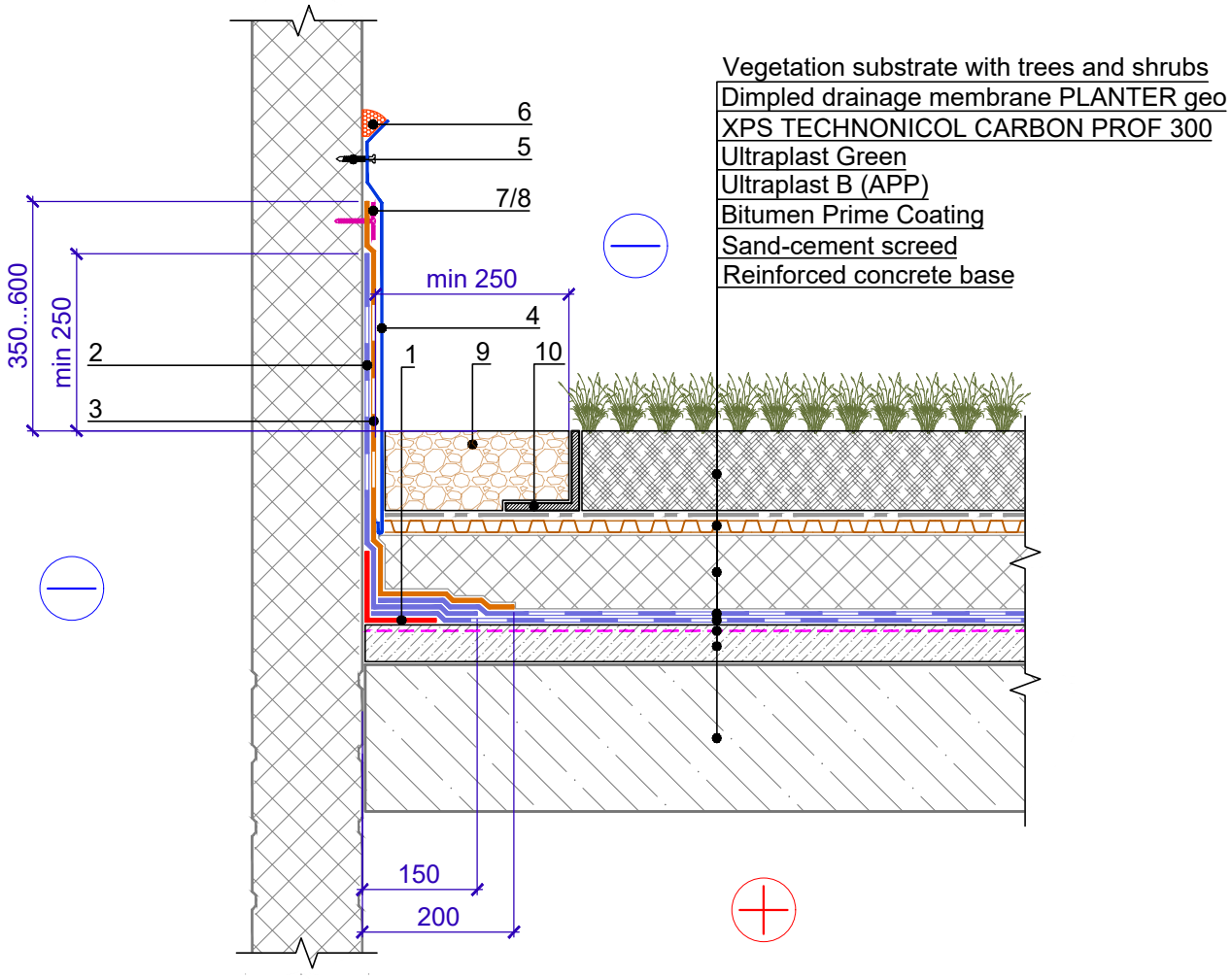


Specification of detail DWG No. 2.1 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B (APP)	0.35	m^2	reinforcement layer
2	Ultraplast B (APP)	upon the project	m^2	
3	Ultraplast Green	upon the project	m^2	
4	Flashing made of galvanized steel	1.00	m	
5	Pointed self-tapping screw 4.8x50	5	pcs.	
6	Anchor element 8x45	5	pcs.	
7	Bitumen-polymer sealing mastic	150	g/m	
8	Bitumen Prime coating	upon the project	l	
9	Washed gravel with 20-40 mm fraction	upon the project	m^3	
10	Pointed self-tapping screw 4.8x(L-upon the project)	5	pcs.	
11	Anchor element 8x45	5	pcs.	
12	Washer Ø 50мм	5	pcs.	
13	L-shaped plastic element	1.05	m	

				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to vertical surfaces without vertical insulation. For rough surfaces (concrete)	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. 2.1 - 2021.04	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **2.2 - 2021.04**

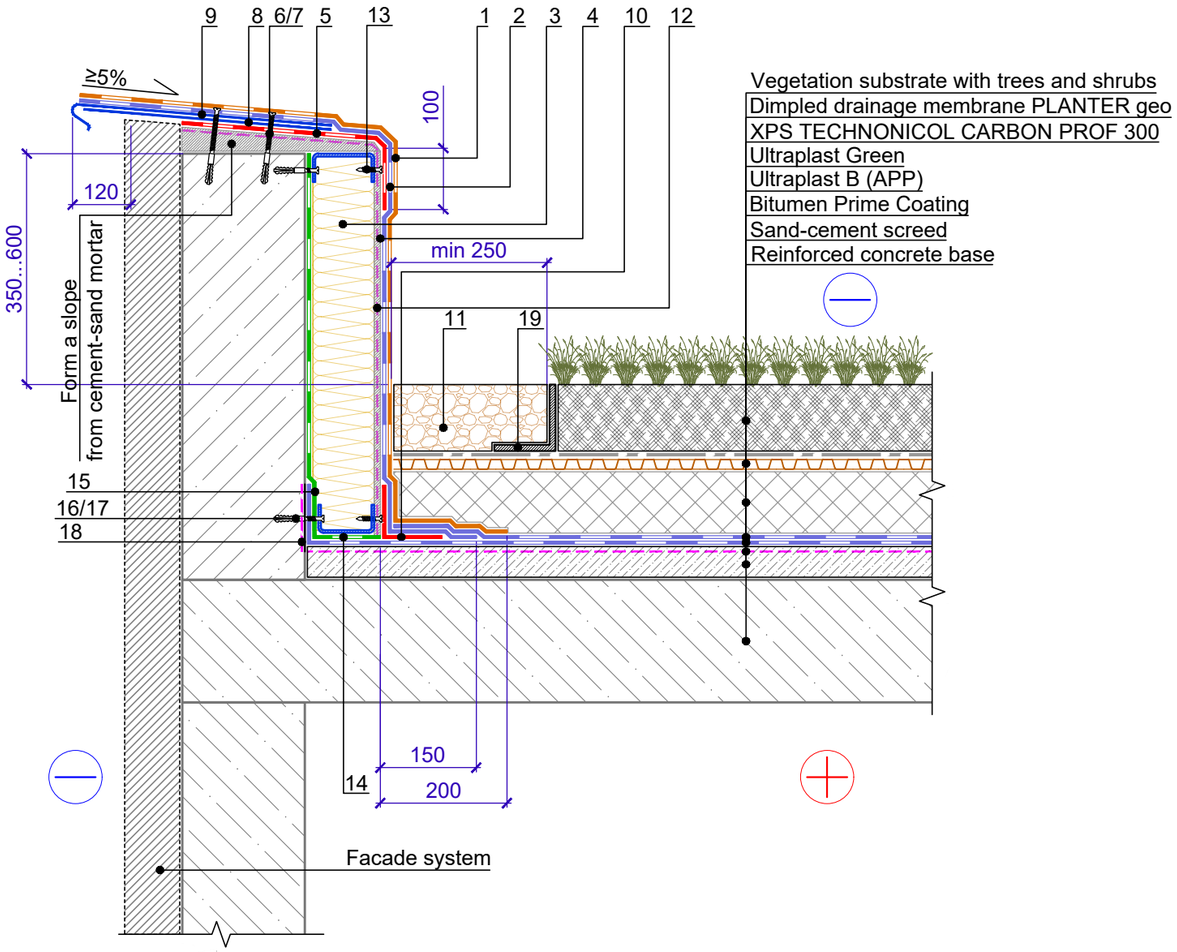


Specification of detail DWG No. 2.2 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B (APP)	0.35	m^2	reinforcement layer
2	Ultraplast B (APP)	upon the project	m^2	
3	Ultraplast Green	upon the project	m^2	
4	Flashing made of galvanized steel	1.00	m	
5	Pointed self-tapping screw 4.8x50	5	pcs.	
6	Bitumen-polymer sealing mastic	150	g/m	
7	Pointed self-tapping screw 4.8x(L-upon the project)	5	pcs.	
8	Washer Ø 50мм	5	pcs.	
9	Washed gravel with 20-40 mm fraction	upon the project	m^3	
10	L-shaped plastic element	1.05	m	

				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to vertical surfaces without vertical insulation. For smooth surfaces (metal)	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. 2.2 - 2021.04	REV.

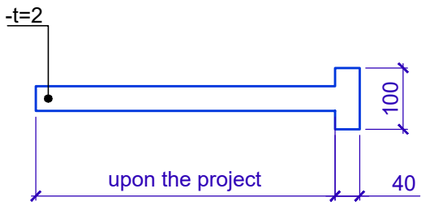
TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **2.3 - 2021.04**



Specification of detail DWG No. 2.3 - 2021.04

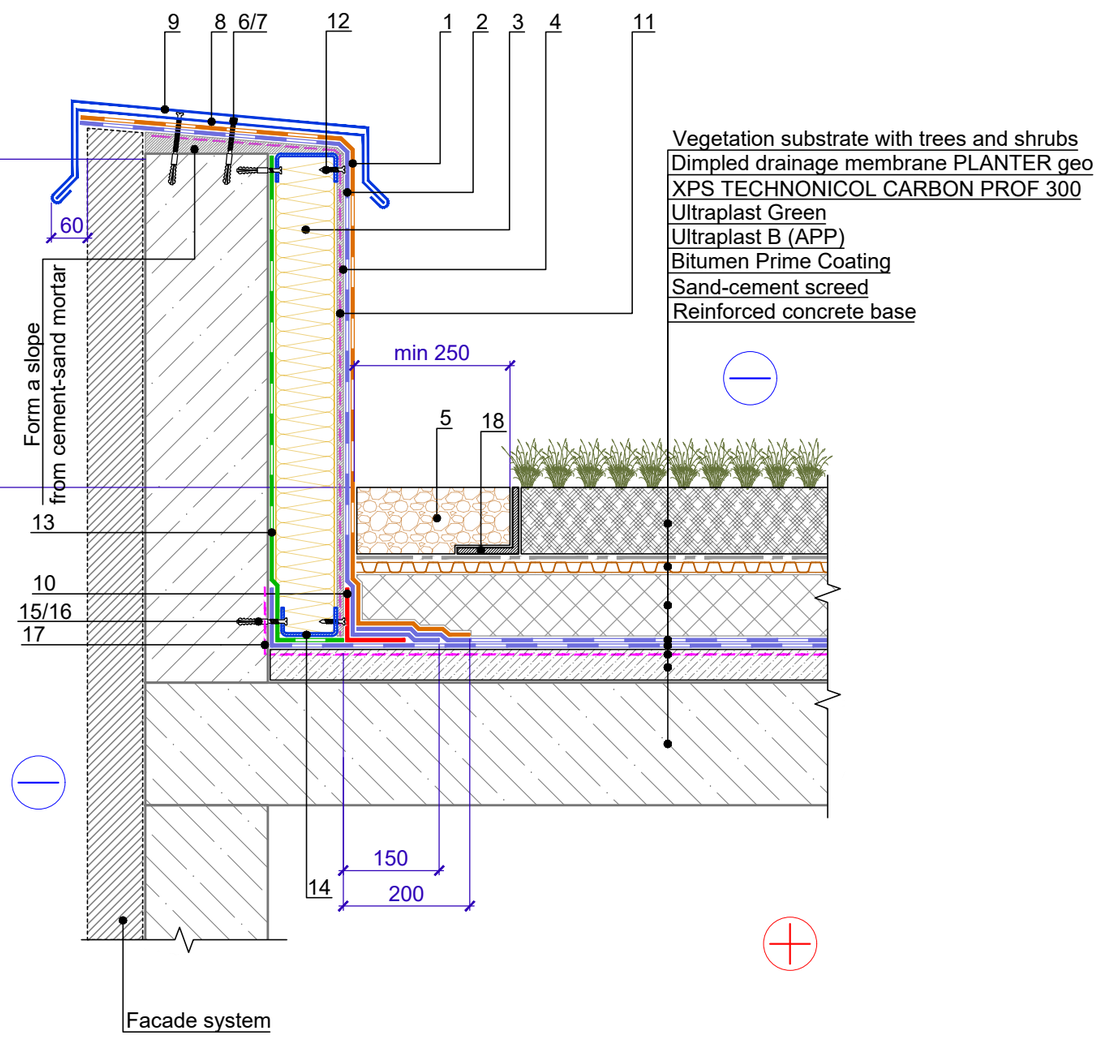
Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B Grey mineral (APP)	upon the project	m^2	
2	Ultraplast B (APP)	upon the project	m^2	
3	Stone wool	upon the project	m^3	
4	Cement bonded particle board	upon the project	m^2	
5	Ultraplast B (APP)	upon the project	m^2	
6	Pointed self-tapping screw 4.8x50	3.40	pcs.	
7	Anchor element 8x45	3.40	pcs.	
8	Fastener (T-shaped support)	1.70	pcs.	
9	Drain element made of galvanized steel (cap)	1.00	m	
10	Ultraplast B (APP)	0.35	m^2	reinforcement layer
11	Washed gravel with 20-40 mm fraction	upon the project	m^3	
12	Bitumen Prime Coating	upon the project	l	
13	Pointed self-tapping screw 4.8x50	upon the project	pcs.	
14	Galvanized steel profile	1.00	m	
15	Ultraplast B (APP)	upon the project	m^2	
16	Pointed self-tapping screw 4.8x50	upon the project	pcs.	
17	Anchor element 8x45	upon the project	pcs.	
18	Bitumen Prime Coating	upon the project	l	
19	L-shaped plastic element	1.05	m	

Fastener (T-shaped support) Position 8



				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to a parapet no more than 600 mm high with insulation and waterproofing installation on the parapet. Option 1.	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **2.3 - 2021.04**	REV.

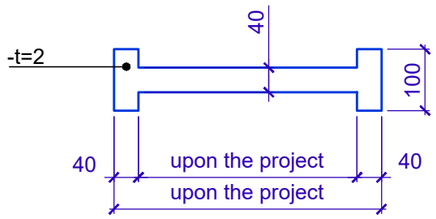
TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **2.4 - 2021.04**



Specification of detail DWG No. 2.4 - 2021.04

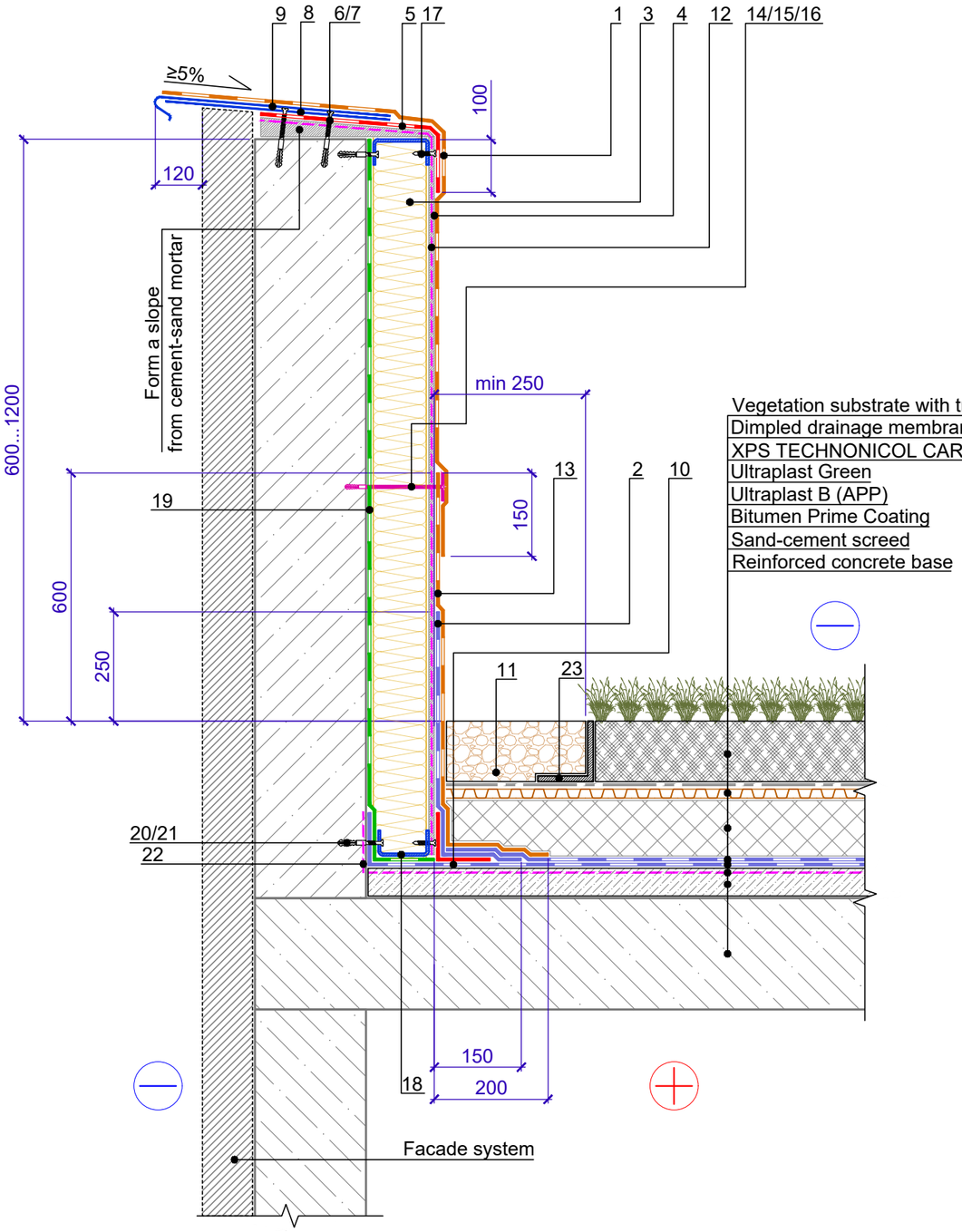
Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B Grey mineral (APP)	upon the project	m^2	
2	Ultraplast B (APP)	upon the project	m^2	
3	Stone wool	upon the project	m^3	
4	Cement bonded particle board	upon the project	m^2	
5	Washed gravel with 20-40 mm fraction	upon the project	m^3	
6	Pointed self-tapping screw 4.8x50	3.40	pcs.	
7	Anchor element 8x45	3.40	pcs.	
8	Fastener	1.70	pcs.	
9	Drain element made of galvanized steel (cap)	1.00	m	
10	Ultraplast B (APP)	0.35	m^2	reinforcement layer
11	Bitumen Prime Coating	upon the project	l	
12	Pointed self-tapping screw 4.8x50	upon the project	pcs.	
13	Ultraplast B (APP)	upon the project	m^2	
14	Galvanized steel profile	1.00	m	
15	Pointed self-tapping screw 4.8x50	upon the project	pcs.	
16	Anchor element 8x45	upon the project	pcs.	
17	Bitumen Prime Coating	upon the project	l	
18	L-shaped plastic element	1.05	m	

Fastener
Position 8



				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to a parapet no more than 600 mm high with insulation and waterproofing installation on the parapet. Option 1.	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **2.4 - 2021.04**	REV.

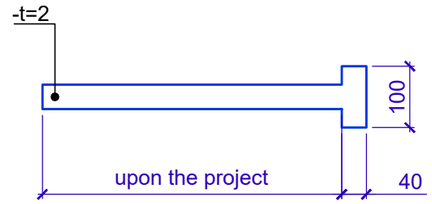
TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **2.5 - 2021.04**



Specification of detail DWG No. 2.5 - 2021.04

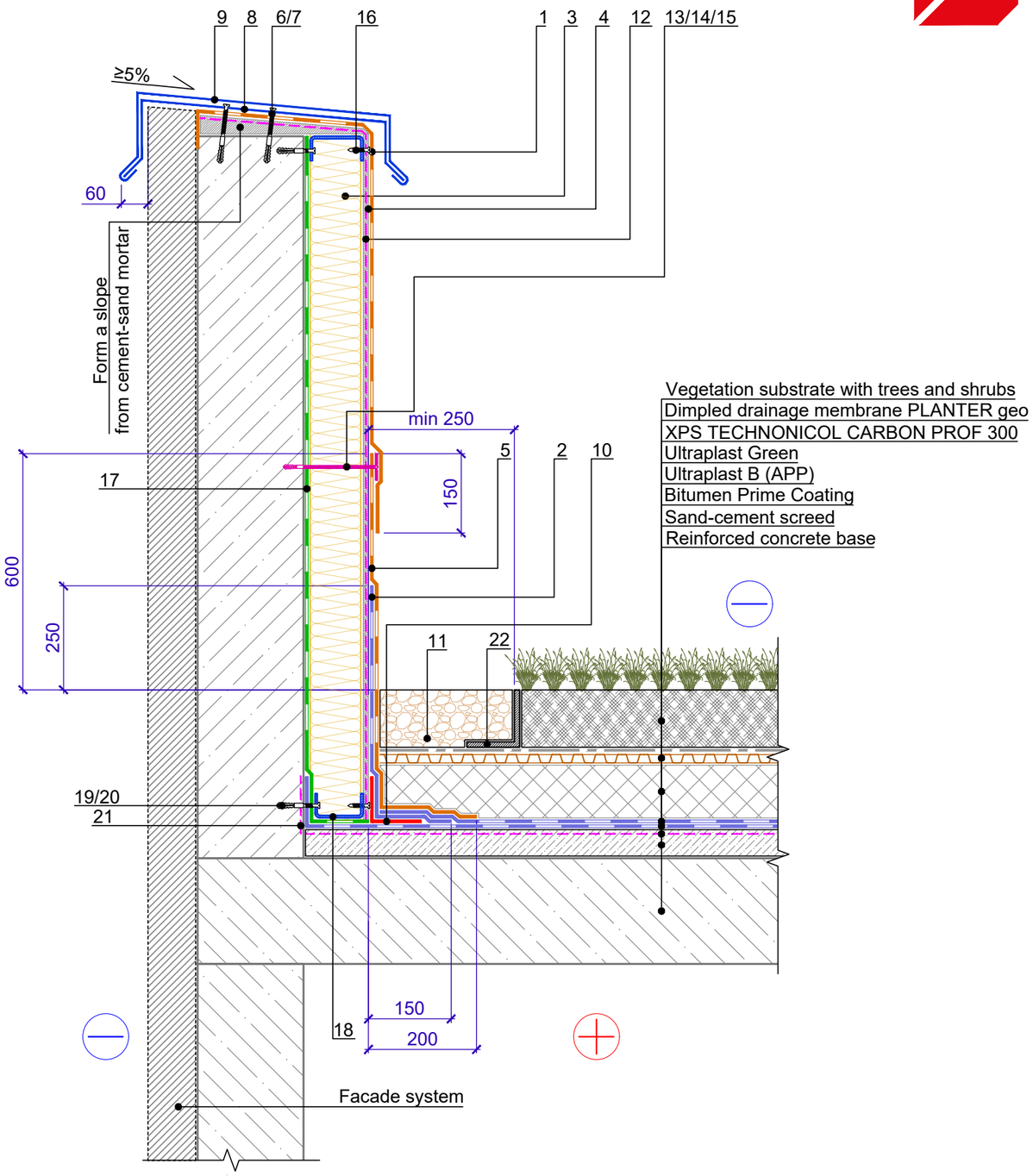
Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B Grey mineral (APP)	upon the project	m^2	
2	Ultraplast B (APP)	upon the project	m^2	
3	Stone wool	upon the project	m^3	
4	Cement bonded particle board	upon the project	m^2	
5	Ultraplast B (APP)	upon the project	m^2	
6	Pointed self-tapping screw 4.8x50	3.40	pcs.	
7	Anchor element 8x45	3.40	pcs.	
8	Fastener (T-shaped support)	1.70	pcs.	
9	Drain element made of galvanized steel (cap)	1.00	m	
10	Ultraplast B (APP)	0.35	m^2	reinforcement layer
11	Washed gravel with 20-40 mm fraction	upon the project	m^3	
12	Bitumen Prime Coating	upon the project	l	
13	Bitumen-polymer membrane	upon the project	m^2	
14	Pointed self-tapping screw 4.8x50	5	pcs.	
15	Anchor element 8x45	5	pcs.	
16	Washer Ø 50мм	5	pcs.	
17	Pointed self-tapping screw 4.8x50	upon the project	pcs.	
18	Galvanized steel profile	1.00	m	
19	Ultraplast B (APP)	upon the project	m^2	
20	Pointed self-tapping screw 4.8x50	upon the project	pcs.	
21	Anchor element 8x45	upon the project	pcs.	
22	Bitumen Prime Coating	upon the project	l	
23	L-shaped plastic element	1.05	m	

Fastener (T-shaped support)
Position 8



				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to a parapet 600 mm to 1200 mm high with insulation and waterproofing installation on the parapet. Option 1.	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **2.5 - 2021.04**	REV.

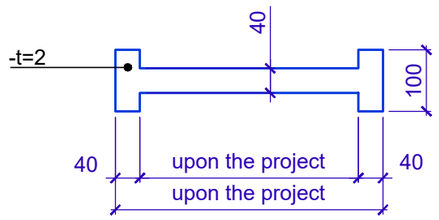
TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **2.6 - 2021.04**



Specification of detail DWG No. 2.6 - 2021.04

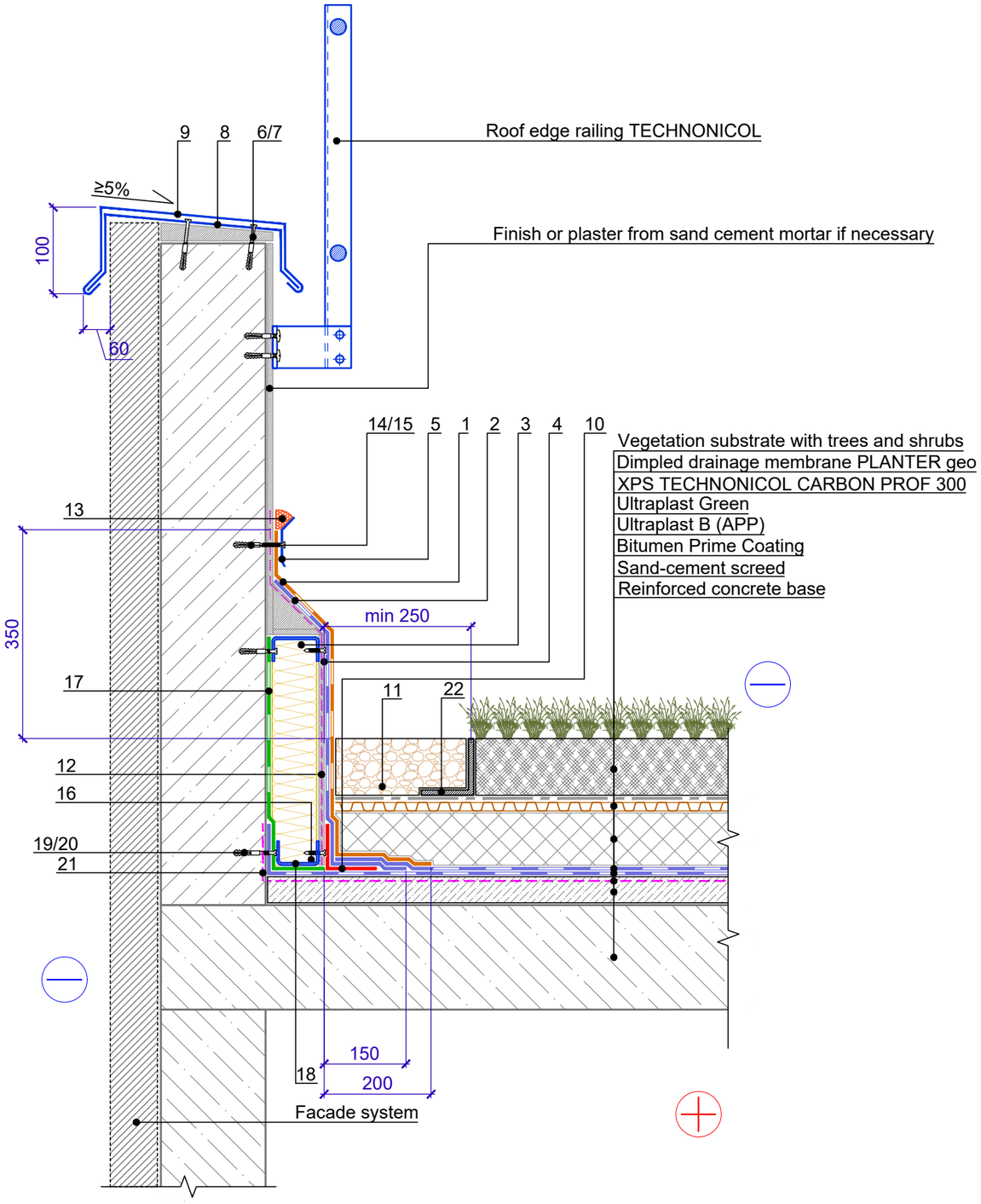
Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B Grey mineral (APP)	upon the project	m^2	
2	Ultraplast B (APP)	upon the project	m^2	
3	Stone wool	upon the project	m^3	
4	Cement bonded particle board	upon the project	m^2	
5	Ultraplast B Grey mineral (APP)	upon the project	m^2	
6	Pointed self-tapping screw 4.8x50	3.40	pcs.	
7	Anchor element 8x45	3.40	pcs.	
8	Fastener	1.70	pcs.	
9	Drain element made of galvanized steel (cap)	1.00	m	
10	Ultraplast B (APP)	0.35	m^2	reinforcement layer
11	Washed gravel with 20-40 mm fraction	upon the project	m^3	
12	Bitumen Prime Coating	upon the project	l	
13	Pointed self-tapping screw 4.8x50	5	pcs.	
14	Anchor element 8x45	5	pcs.	
15	Washer Ø 50мм	5	pcs.	
16	Pointed self-tapping screw 4.8x50	upon the project	pcs.	
17	Ultraplast B (APP)	upon the project	m^2	
18	Galvanized steel profile	1.00	m	
19	Pointed self-tapping screw 4.8x50	upon the project	pcs.	
20	Anchor element 8x45	upon the project	pcs.	
21	Bitumen Prime Coating	upon the project	l	
22	L-shaped plastic element	1.05	m	

Fastener
Position 8



				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to a parapet 600 mm to 1200 mm high with insulation and waterproofing installation on the parapet. Option 2.	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **2.6 - 2021.04**	REV.

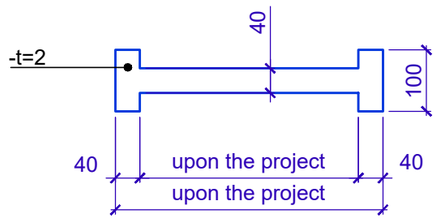
TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **2.7 - 2021.04**



Specification of detail DWG No. 2.7 - 2021.04

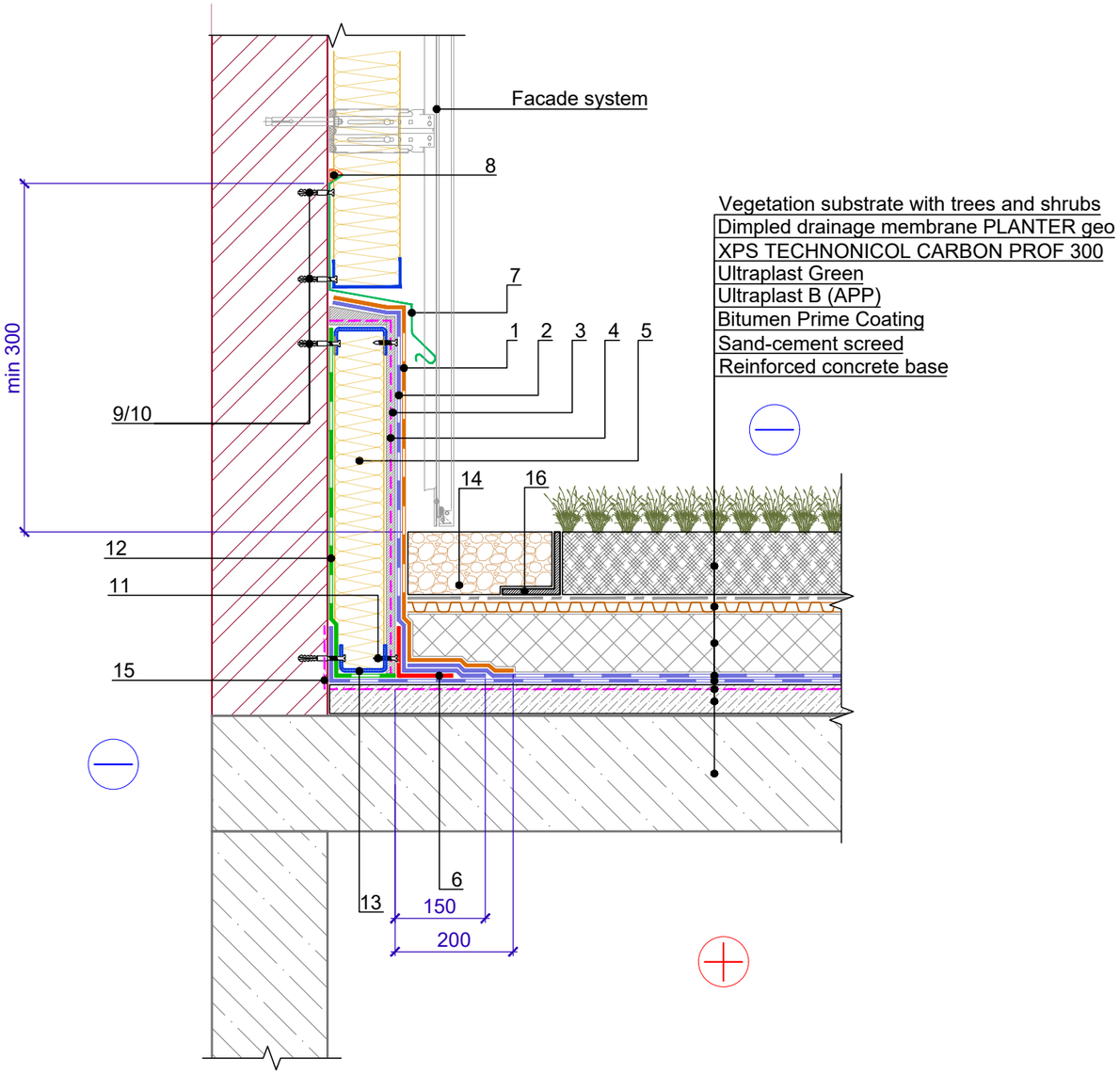
Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B Grey mineral (APP)	upon the project	m^2	
2	Ultraplast B (APP)	upon the project	m^2	
3	Stone wool	upon the project	m^3	
4	Cement bonded particle board	upon the project	m^2	
5	Edge rail	1.00	m	
6	Pointed self-tapping screw 4.8x50	3.40	pcs.	
7	Anchor element 8x45	3.40	pcs.	
8	Fastener	1.70	pcs.	
9	Drain element made of galvanized steel (cap)	1.00	m	
10	Ultraplast B (APP)	0.35	m^2	reinforcement layer
11	Washed gravel with 20-40 mm fraction	upon the project	m^3	
12	Bitumen Prime Coating	upon the project	l	
13	Bitumen-polymer sealing mastic	150	g/m	
14	Pointed self-tapping screw 4.8x50	5	pcs.	
15	Anchor element 8x45	5	pcs.	
16	Pointed self-tapping screw 4.8x50	upon the project	pcs.	
17	Ultraplast B (APP)	upon the project	m^2	
18	Galvanized steel profile	1.00	m	
19	Pointed self-tapping screw 4.8x50	upon the project	pcs.	
20	Anchor element 8x45	upon the project	pcs.	
21	Bitumen Prime Coating	upon the project	l	
22	L-shaped plastic element	1.05	m	

Fastener
Position 8



				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to a high insulated parapet without waterproofing installation on the parapet	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. 2.7 - 2021.04	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **2.8 - 2021.04**



Specification of detail DWG No. 2.8 - 2021.04

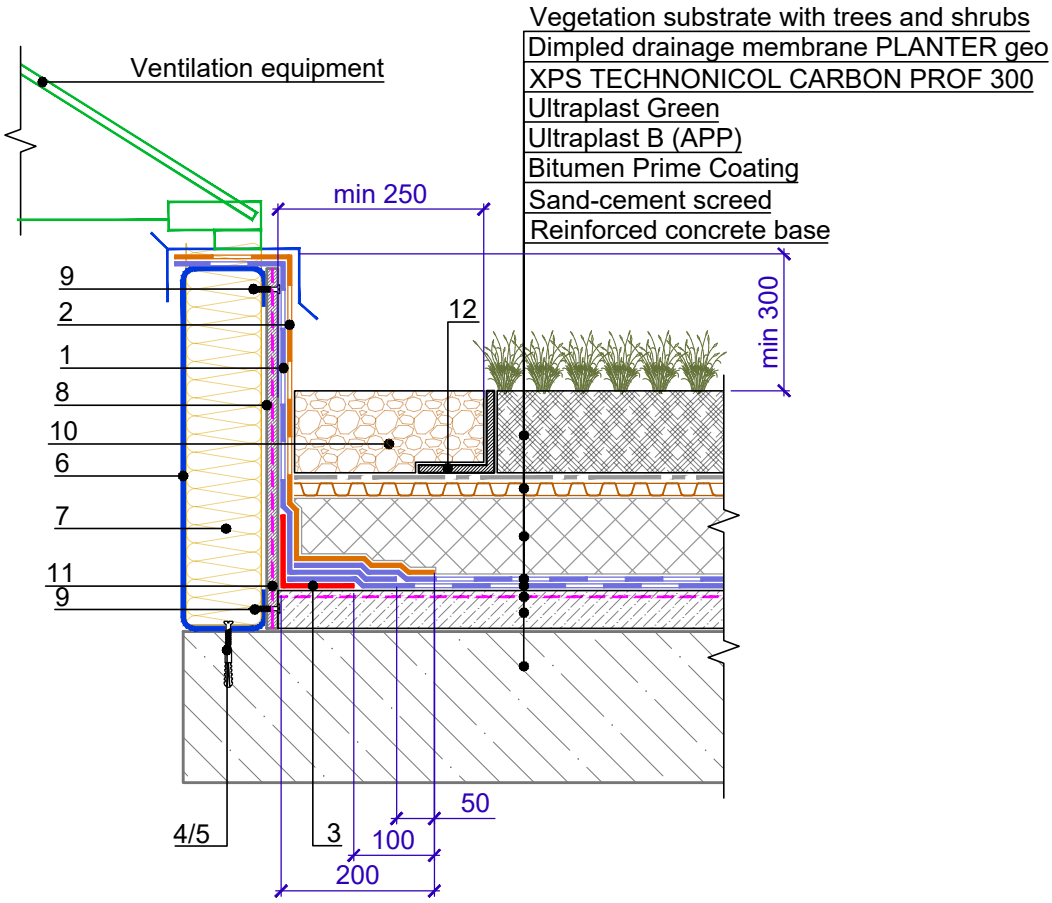
Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B Grey mineral (APP)	upon the project	m^2	
2	Ultraplast B (APP)	upon the project	m^2	
3	Cement bonded particle board	upon the project	m^2	
4	Bitumen Prime Coating	upon the project	l	
5	Stone wool	upon the project	m^3	
6	Ultraplast B (APP)	0.35	m^2	reinforcement layer
7	Drain element made of galvanized steel (cap)	1.00	m	
8	Bitumen-polymer sealing mastic	150	g/m	
9	Pointed self-tapping screw 4.8x50	20	pcs.	
10	Anchor element 8x45	20	pcs.	
11	Pointed self-tapping screw 4.8x50	upon the project	pcs.	
12	Ultraplast B (APP)	upon the project	m^2	
13	Galvanized steel profile	1.00	m	
14	Washed gravel with 20-40 mm fraction	upon the project	m^3	
15	Bitumen Prime Coating	upon the project	l	
16	L-shaped plastic element	1.05	m	

				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to vertical surfaces with vertical insulation. For rough surfaces	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **2.8 - 2021.04**	REV.

Register of drawings of junctions to the pipes

№	Name	DWG No.
3.1	Junction to rectangular cross section ventilation sleeve	3.1
3.2	Junction to the pipe	3.2
3.3	Junction to the hot pipe. Option 1	3.3
3.4	Junction to the hot pipe. Option 2	3.4
3.5	Junction to the bundle of pipes of small diameter	3.5

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **3.1 - 2021.04**

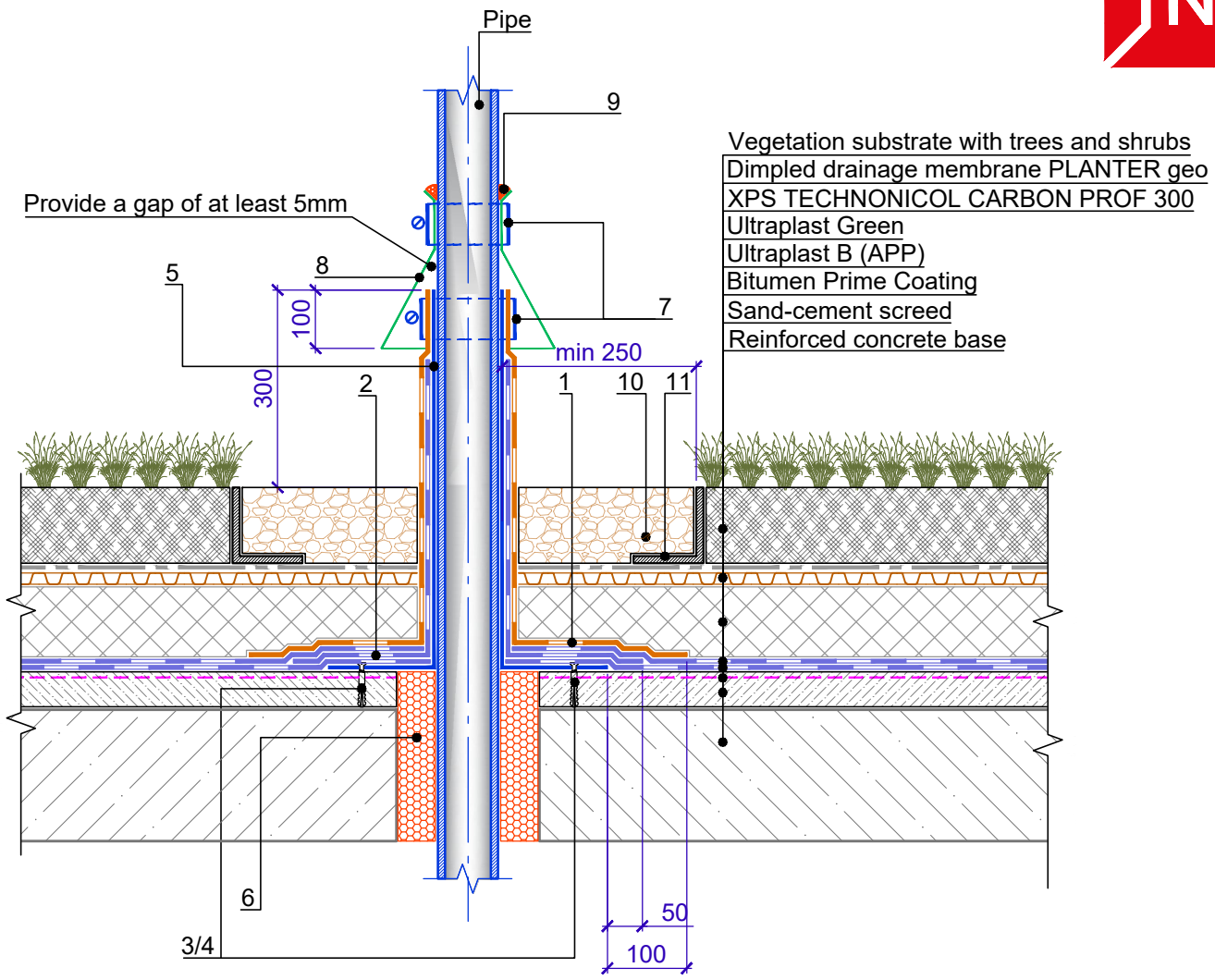


Specification of detail DWG No. 3.1 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B (APP)	upon the project	m^2	
2	Ultraplast B Grey mineral (APP)	upon the project	m^2	
3	Ultraplast B (APP)	0.35	m^2	reinforcement layer
4	Pointed self-tapping screw 4.8x50	5	pcs.	
5	Anchor element 8x45	5	pcs.	
6	Galvanized steel profile	1.00	m	
7	Stone wool	upon the project	m^3	
8	Pressed flat roofing sheets (general purpose cement bonded particle board)	upon the project	m^2	
9	Pointed self-tapping screw 4.8x50	10	pcs.	
10	Washed gravel with 20-40 mm fraction	upon the project	m^3	
11	Bitumen Prime Coating	upon the project	l	
12	L-shaped plastic element	1.05	m	

				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to rectangular cross section ventilation sleeve	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. 3.1 - 2021.04	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **3.2 - 2021.04**

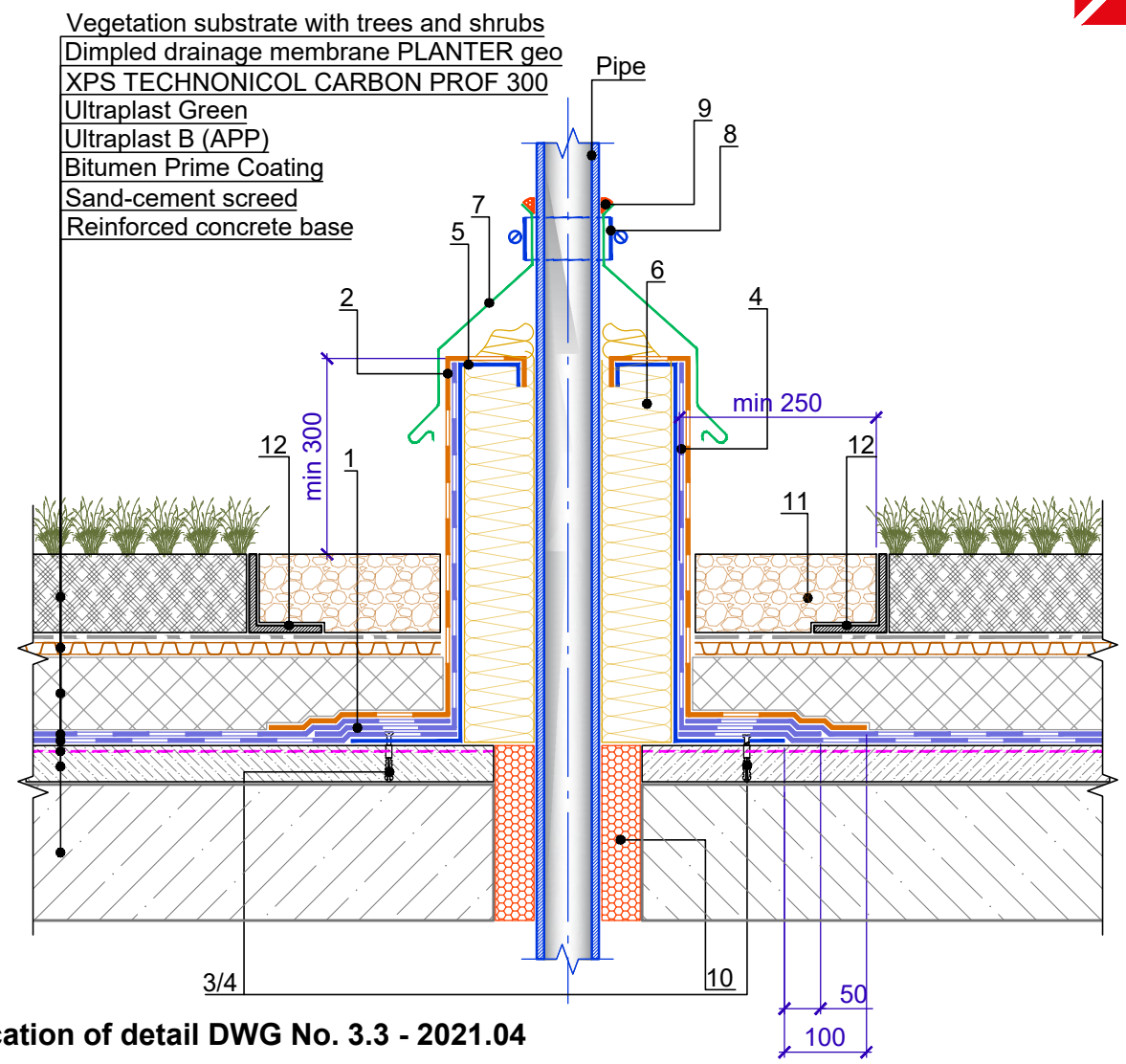


Specification of detail DWG No. 3.2 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B Grey mineral (APP)	upon the project	m^2	
2	Ultraplast B (APP)	upon the project	m^2	
3	Anchor element 8x45	6	pcs.	
4	Pointed self-tapping screw 4.8x50	6	pcs.	
5	Galvanized steel sleeve, 1.0 mm thick	1.00	m	
6	Construction foam	upon the project	pcs.	
7	Metal clip band	2	pcs.	
8	Metal collar	1	pcs.	
9	Bitumen-polymer sealing mastic	150	g/m	
10	Washed gravel with 20-40 mm fraction	upon the project	m^3	
11	L-shaped plastic element	1.05	m	

				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to the pipe	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. 3.2 - 2021.04	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **3.3 - 2021.04**

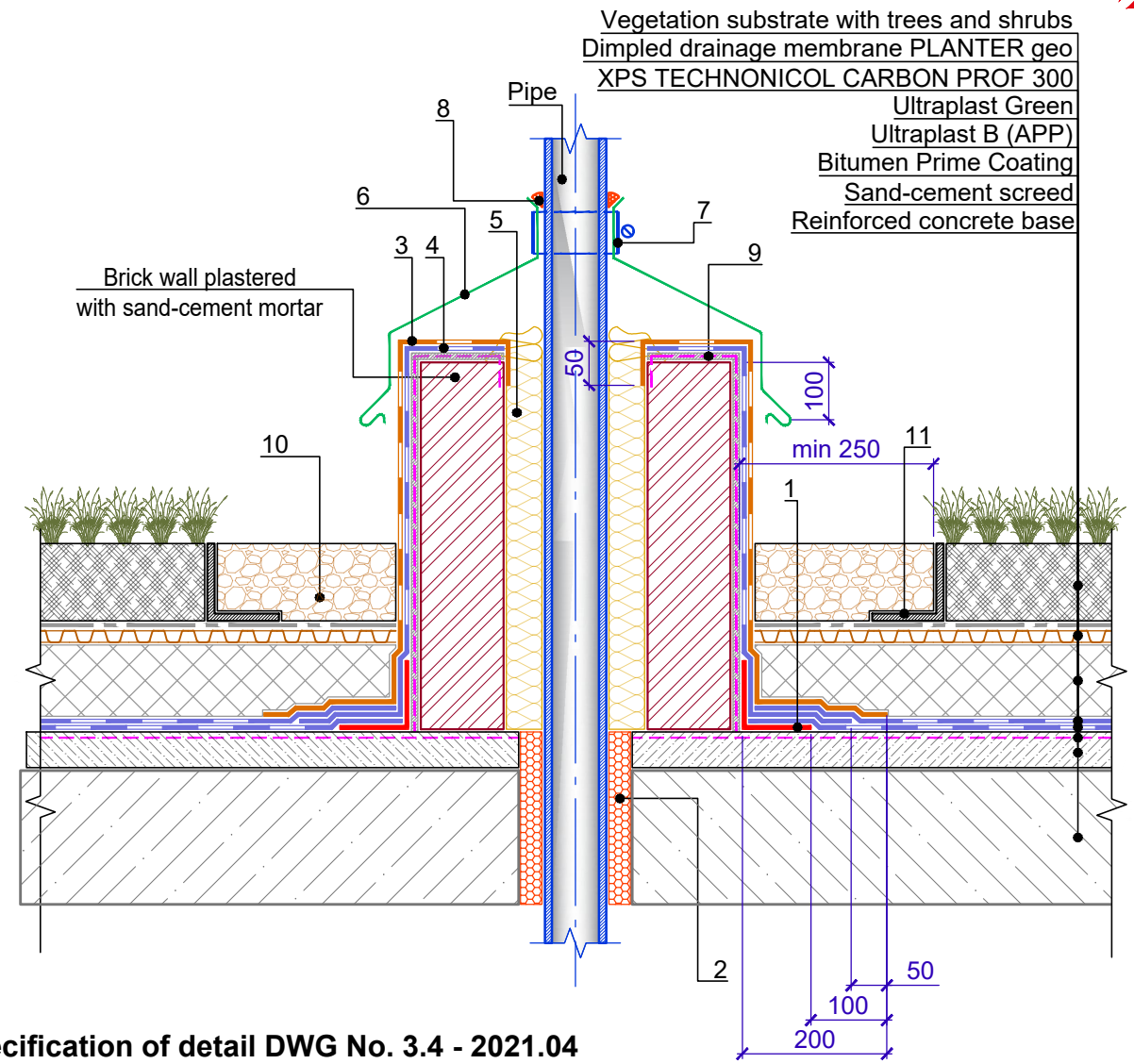


Specification of detail DWG No. 3.3 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B (APP)	upon the project	m^2	
2	Ultraplast B Grey mineral (APP)	upon the project	m^2	
3	Anchor element 8x45	6	pcs.	
4	Pointed self-tapping screw 4.8x50	6	pcs.	
5	Galvanized steel box	1	pcs.	
6	Stone wool	upon the project	m^3	
7	Collar made of galvanized steel	1	pcs.	
8	Metal clip band	1	pcs.	
9	Bitumen-polymer sealing mastic	150	g/m	
10	Construction foam	upon the project	pcs.	
11	Washed gravel with 20-40 mm fraction	upon the project	m^3	
12	L-shaped plastic element	1.05	m	

				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to the hot pipe. Option 1	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. 3.3 - 2021.04	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **3.4 - 2021.04**

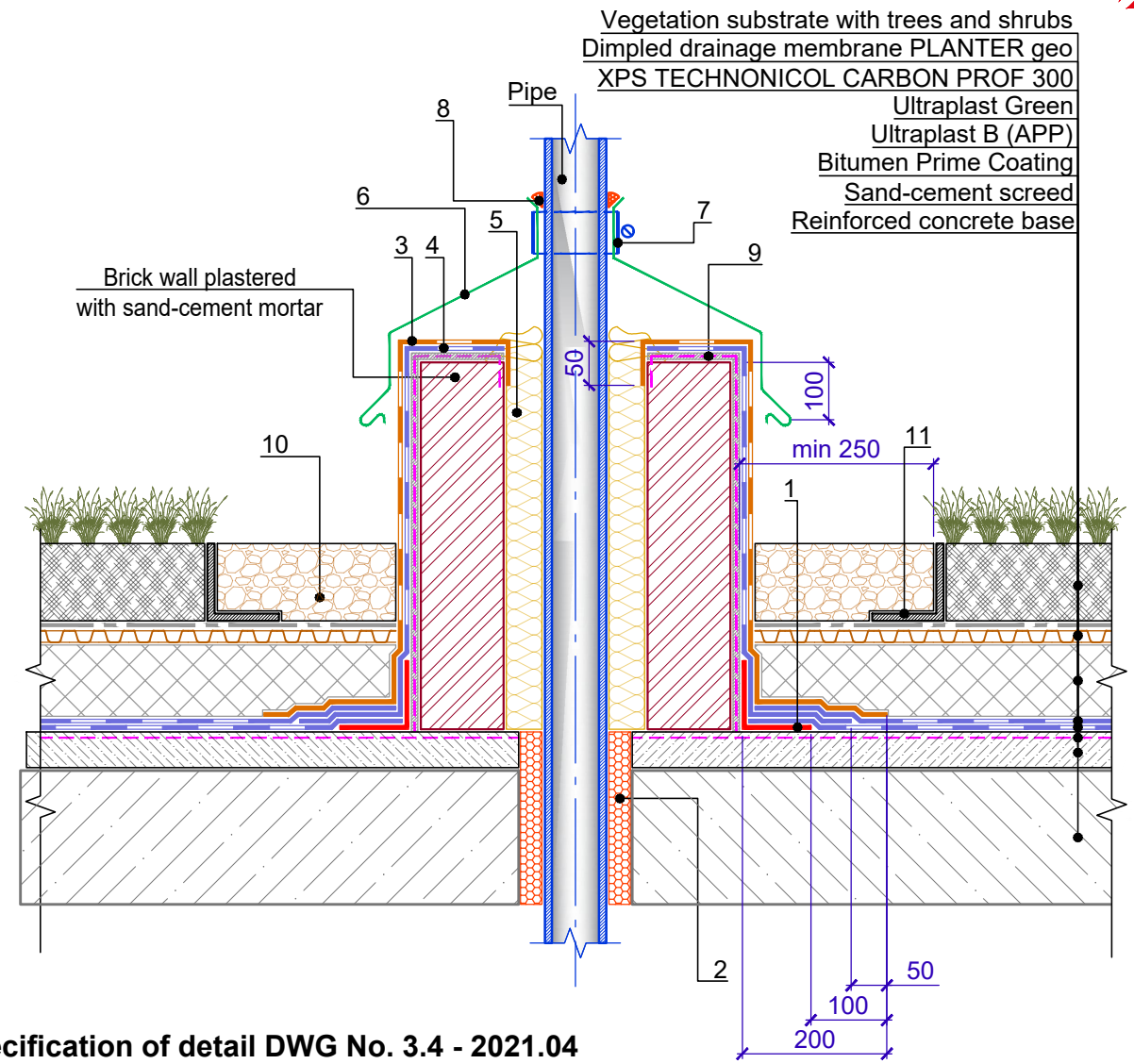


Specification of detail DWG No. 3.4 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B (APP)	0.35	m^2	reinforcement layer
2	Construction foam	upon the project	pcs.	
3	Ultraplast B Grey mineral (APP)	upon the project	m^2	
4	Ultraplast B (APP)	upon the project	m^2	
5	Stone wool	upon the project	m^3	
6	Collar made of galvanized steel	1	pcs.	
7	Metal clip band	1	pcs.	
8	Bitumen-polymer sealing mastic	150	g/m	
9	Bitumen Prime Coating	upon the project	l	
10	Washed gravel with 20-40 mm fraction	upon the project	m^3	
11	L-shaped plastic element	1.05	m	

				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to the hot pipe. Option 2	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. 3.4 - 2021.04	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **3.4 - 2021.04**



Specification of detail DWG No. 3.4 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B (APP)	0.35	m^2	reinforcement layer
2	Construction foam	upon the project	pcs.	
3	Ultraplast B Grey mineral (APP)	upon the project	m^2	
4	Ultraplast B (APP)	upon the project	m^2	
5	Stone wool	upon the project	m^3	
6	Collar made of galvanized steel	1	pcs.	
7	Metal clip band	1	pcs.	
8	Bitumen-polymer sealing mastic	150	g/m	
9	Bitumen Prime Coating	upon the project	l	
10	Washed gravel with 20-40 mm fraction	upon the project	m^3	
11	L-shaped plastic element	1.05	m	

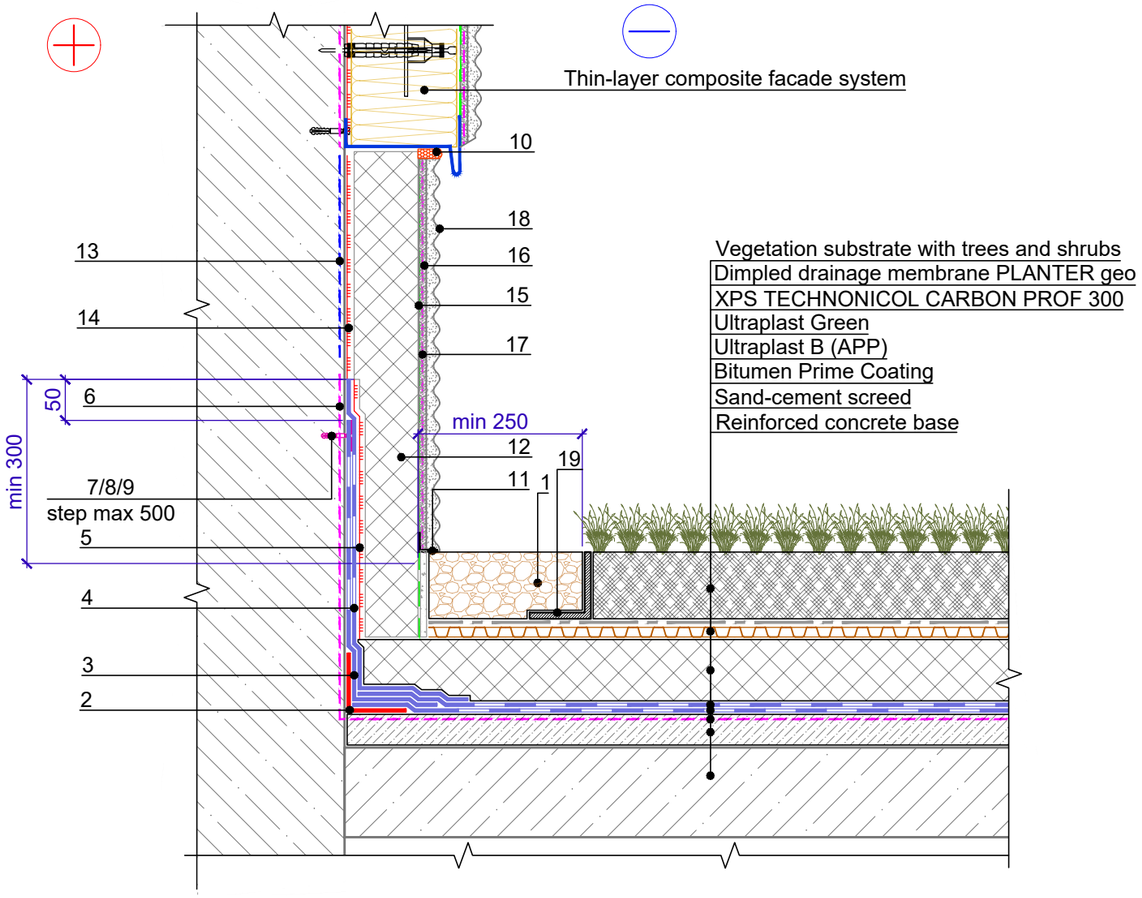
				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to the hot pipe. Option 2	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. 3.4 - 2021.04	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN

Register of drawings for arrangement of junctions to facade systems

№	Name	DWG No.
4.1	Junction to a thin-layer composite facade system	4.1
4.2	Junction to a ventilated facade system	4.2

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **4.1 - 2021.04**

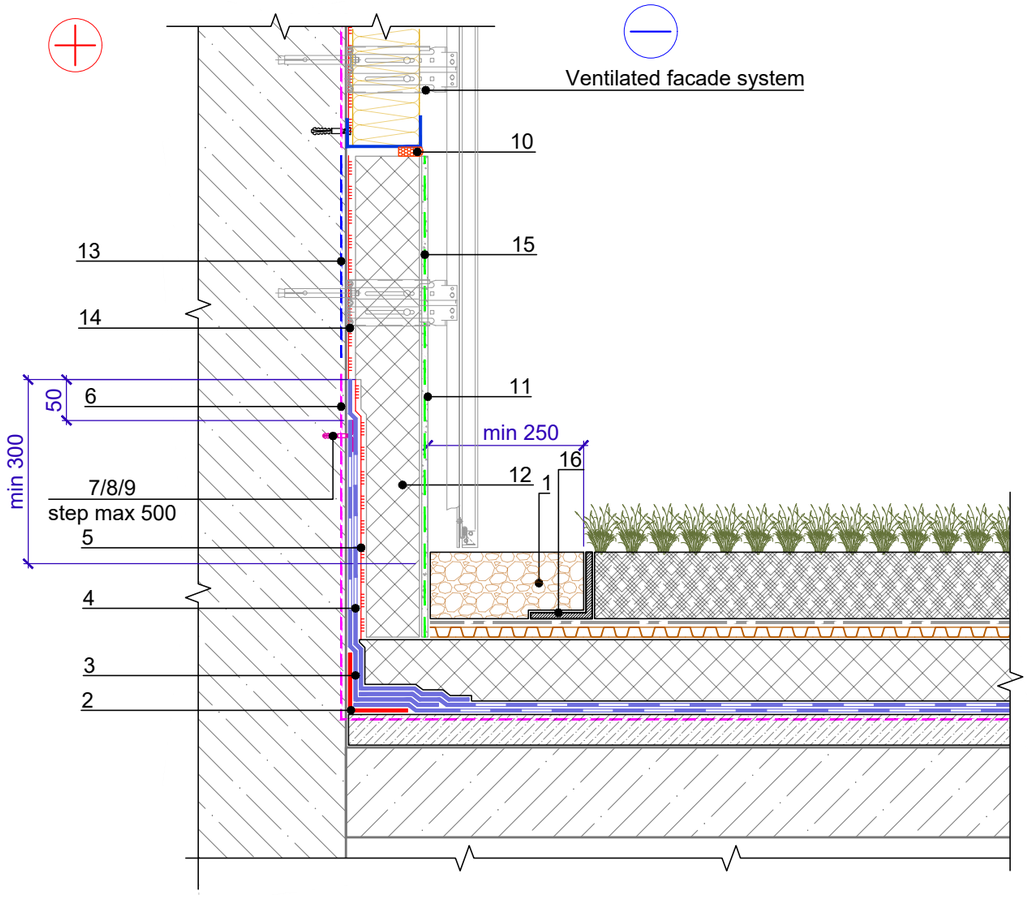


Specification of detail DWG No. 4.1 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Washed gravel with 20-40 mm fraction	upon the project	m^3	
2	Ultraplast B (APP)	0.35	m^2	reinforcement layer
3	Ultraplast B (APP)	upon the project	m^2	
4	Ultraplast B (APP)	upon the project	m^2	
5	Adhesive Mastic	upon the project	m^2	
6	Bitumen Prime Coating	upon the project	l	
7	Pointed self-tapping screw 4.8x(L-upon the project)	5	pcs.	
8	Anchor element 8x45	5	pcs.	
9	Washer Ø 50мм	5	pcs.	
10	Bitumen-polymer sealing mastic	150	g/m	
11	Corner PVC profile	upon the project	m	
12	XPS TECHNONICOL CARBON PROF 300	upon the project	m^3	
13	Deep-penetration facade primer	upon the project	l	
14	Plaster and adhesive (for XPS)	upon the project	kg.	
15	Facade mesh	upon the project	m^2	
16	Plaster and adhesive (for XPS)	upon the project	kg.	
17	Multipurpose primer	upon the project	kg.	
18	Decorative mineral plaster	upon the project	kg.	
19	L-shaped plastic element	1.05	m	

				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to a thin-layer composite facade system	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **4.1 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **4.2 - 2021.04**



Specification of detail DWG No. 4.2 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Washed gravel with 20-40 mm fraction	upon the project	m^3	
2	Ultraplast B (APP)	0.35	m^2	reinforcement layer
3	Ultraplast B (APP)	upon the project	m^2	
4	Ultraplast B (APP)	upon the project	m^2	
5	Adhesive Mastic	upon the project	m^2	
6	Bitumen Prime Coating	upon the project	l	
7	Pointed self-tapping screw 4.8x(L-upon the project)	5	pcs.	
8	Anchor element 8x45	5	pcs.	
9	Washer Ø 50мм	5	pcs.	
10	Bitumen-polymer sealing mastic	150	g/m	
11	Plaster and adhesive (for XPS)	upon the project	kg.	
12	XPS TECHNONICOL CARBON PROF 300	upon the project	m^3	
13	Deep-penetration facade primer	upon the project	l	
14	Plaster and adhesive (for XPS)	upon the project	kg.	
15	Facade mesh	upon the project	m^2	
16	L-shaped plastic element	1.05	m	

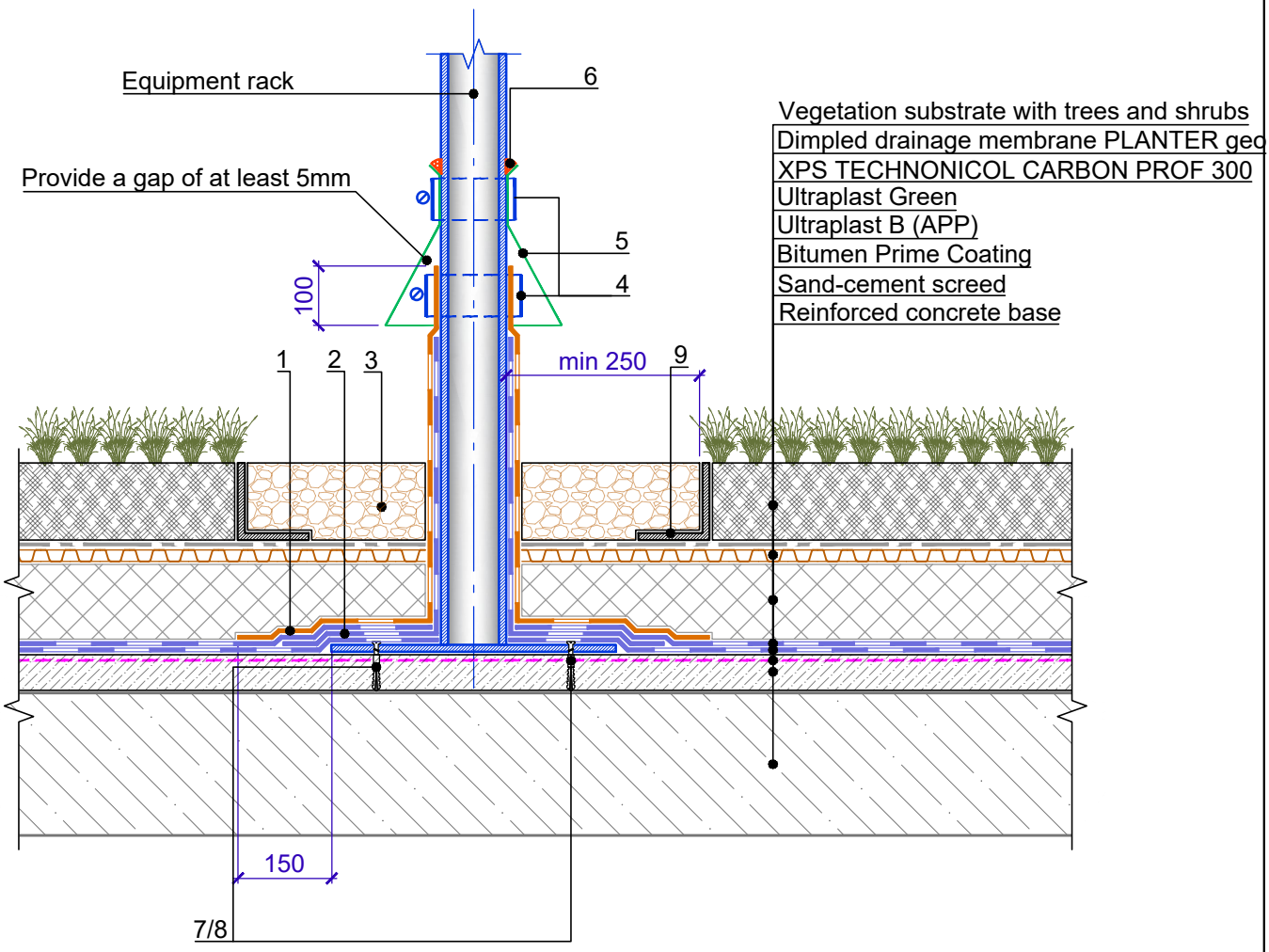
				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to a ventilated facade system	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **4.2 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN

Register of drawings of construction of junctions to the roof fence poles and equipment racks

№	Name	DWG No.
5.1	Junction to the equipment racks	5.1

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **5.1 - 2021.04**



Specification of detail DWG No. 5.1 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Note
1	Ultraplast B Grey mineral (APP)	upon the project	m^2	
2	Ultraplast B (APP)	upon the project	m^2	
3	Washed gravel with 20-40 mm fraction	upon the project	m^3	
4	Metal clip band	2	pcs.	
5	Metal collar	1	pcs.	
6	Bitumen-polymer sealing mastic	150	g/m	
7	Pointed self-tapping screw 4.8x50	6	pcs.	
8	Anchor element 8x45	6	pcs.	
9	L-shaped plastic element	1.05	m	

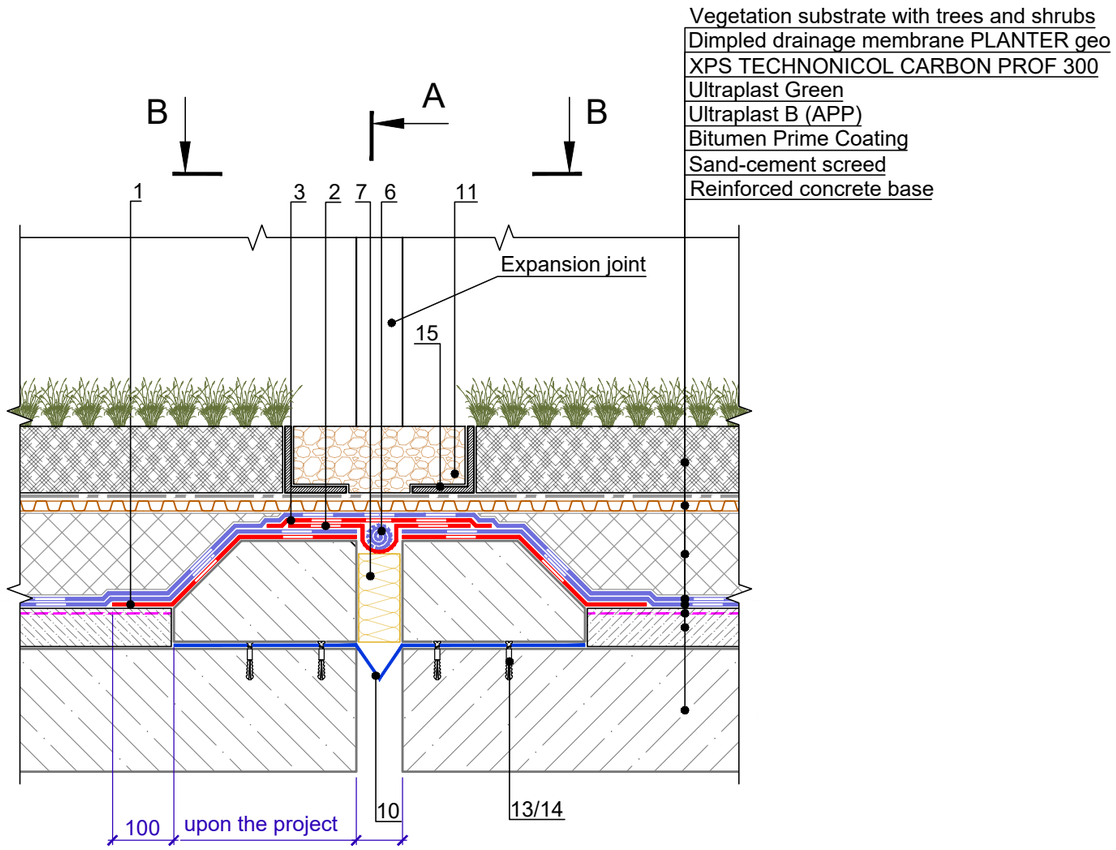
				TN_ROOF_BRM_CONCRETE_GREEN_EN		
				Junction to equipment racks	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. 5.1 - 2021.04	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN

Register of drawings for arrangement of junctions to expansion joints

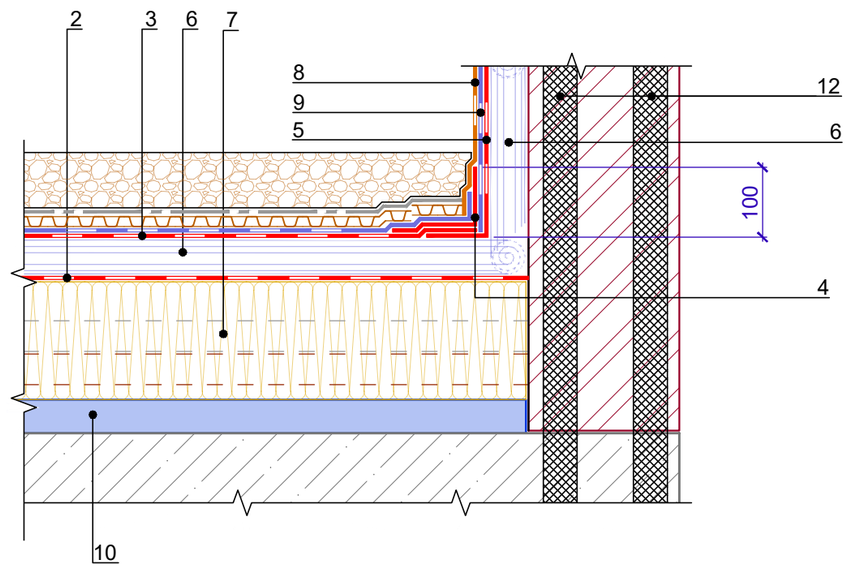
№	Name	DWG No.
6.1	Expansion joint. Option 1	6.1
6.2	Expansion joint. Option 2	6.2
6.3	Expansion joint in the junction to the wall. Option 1	6.3
6.4	Expansion joint in the junction to the wall. Option 2	6.4
6.5	Expansion spacer	6.5

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **6.1 - 2021.04**

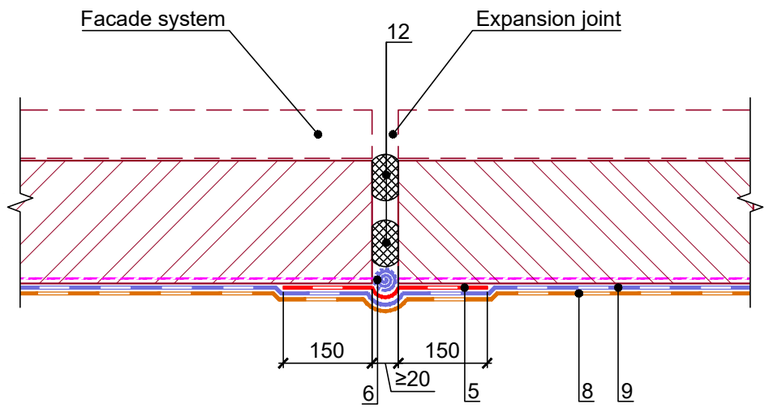


Vegetation substrate with trees and shrubs
Dimpled drainage membrane PLANTER geo
XPS TECHNONICOL CARBON PROF 300
Ultraplast Green
Ultraplast B (APP)
Bitumen Prime Coating
Sand-cement screed
Reinforced concrete base

A-A



B-B

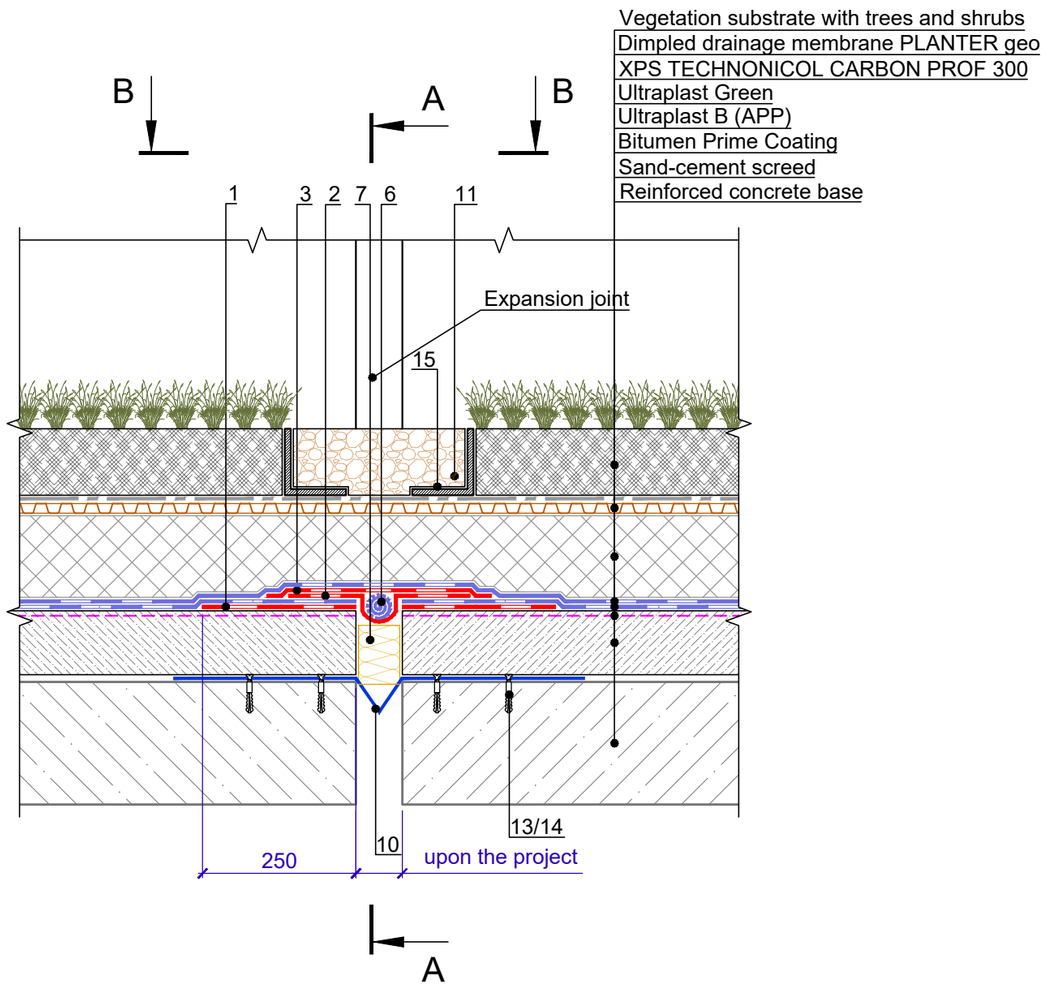


Specification of detail DWG No. 6.1 - 2021.04

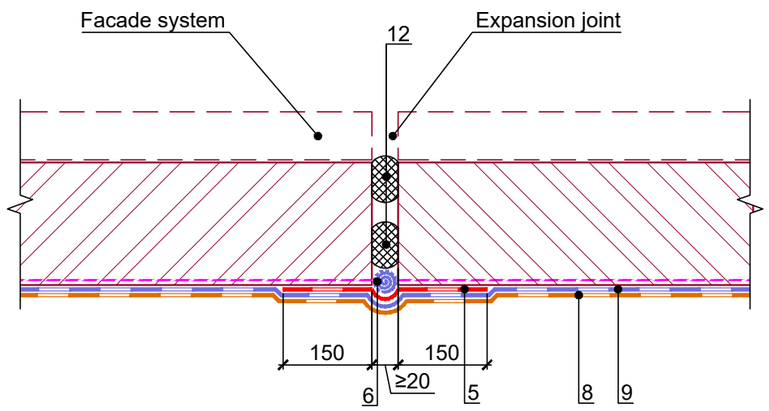
Position	Name	Consumption	Unit	Notes
1	Ultraplast B (APP)	upon the project	m^2	
2	Technoelast Flex	upon the project	m^2	
3	Technoelast Flex	upon the project	m^2	
4	Technoelast Flex	upon the project	m^2	
5	Technoelast Flex	upon the project	m^2	
6	Foamed polyethylene cord	upon the project	m^2	
7	Stone wool	upon the project	m^3	
8	Ultraplast B Grey mineral (APP)	upon the project	m^2	
9	Ultraplast B (APP)	upon the project	m^2	
10	Galvanized steel compensator	1.00	m	
11	Washed gravel with 20-40 mm fraction	upon the project	m^3	
12	Sealing gasket	1.00	m	
13	Pointed self-tapping screw 4.8x50	20	pcs.	
14	Anchor element 8x45	20	pcs.	
15	L-shaped plastic element	1.05	m	

REV.	DATE	DESCRIPTION	CHECKED	TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
					SCALE	DATE
				Expansion joint. Opion 1	DWG No. 6.1 - 2021.04	REV.

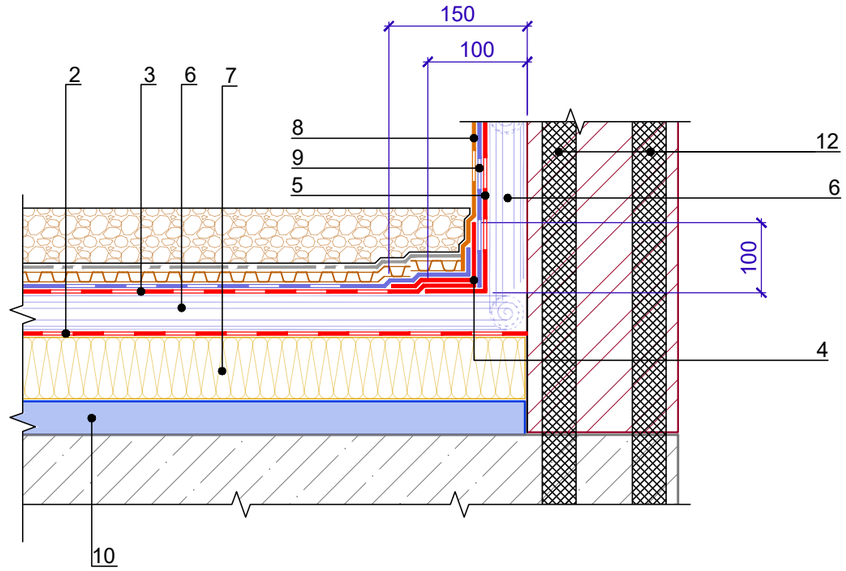
TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **6.2 - 2021.04**



B-B



A-A

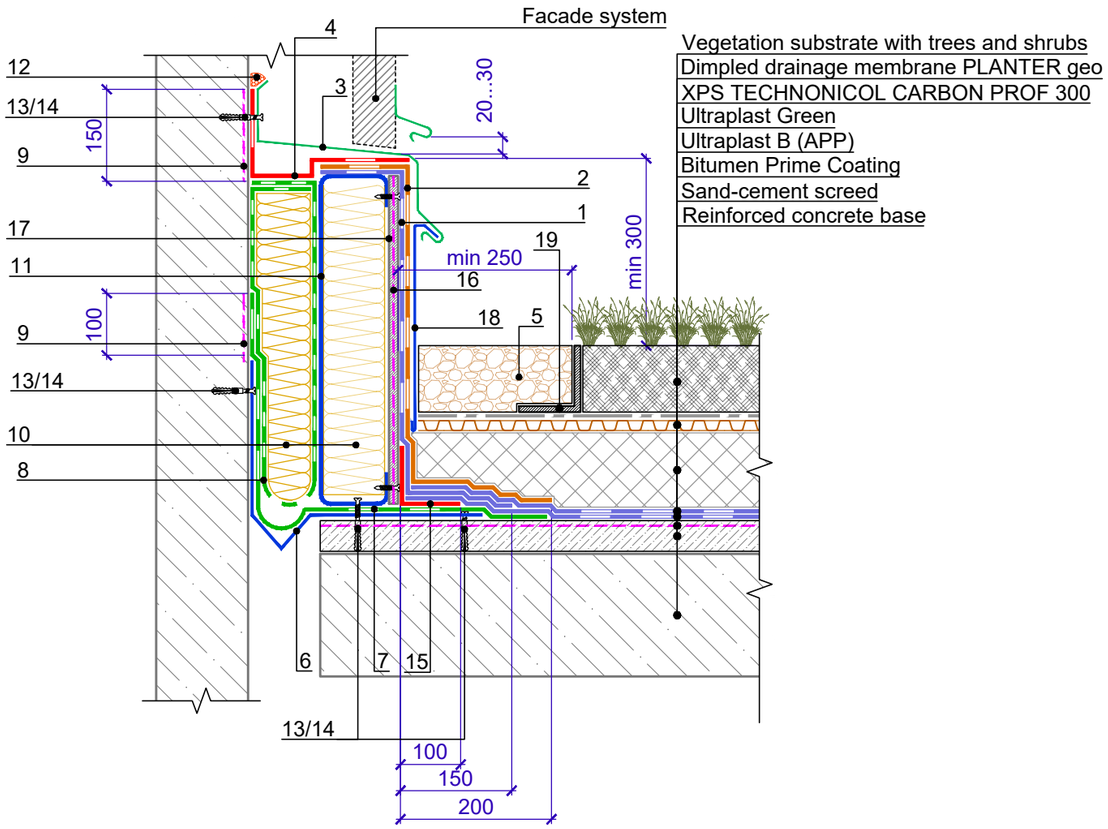


Specification of detail DWG No. 6.2 - 2021.04

Position	Name	Consumption	Unit	Notes
1	Technoelast Flex	upon the project	m^2	
2	Technoelast Flex	upon the project	m^2	
3	Technoelast Flex	upon the project	m^2	
4	Technoelast Flex	upon the project	m^2	
5	Technoelast Flex	upon the project	m^2	
6	Foamed polyethylene cord	upon the project	m^2	
7	Stone wool	upon the project	m^3	
8	Ultraplast B Grey mineral (APP)	upon the project	m^2	
9	Ultraplast B (APP)	upon the project	m^2	
10	Galvanized steel compensator	1.00	m	
11	Washed gravel with 20-40 mm fraction	upon the project	m^3	
12	Sealing harness	1.00	m	
13	Pointed self-tapping screw 4.8x50	20	pcs.	
14	Anchor element 8x45	20	pcs.	
15	L-shaped plastic element	1.05	m	

REV.	DATE	DESCRIPTION	CHECKED	TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Expansion joint. Opion 2	SCALE	DATE
					DWG No. **6.2 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **6.3 - 2021.04**

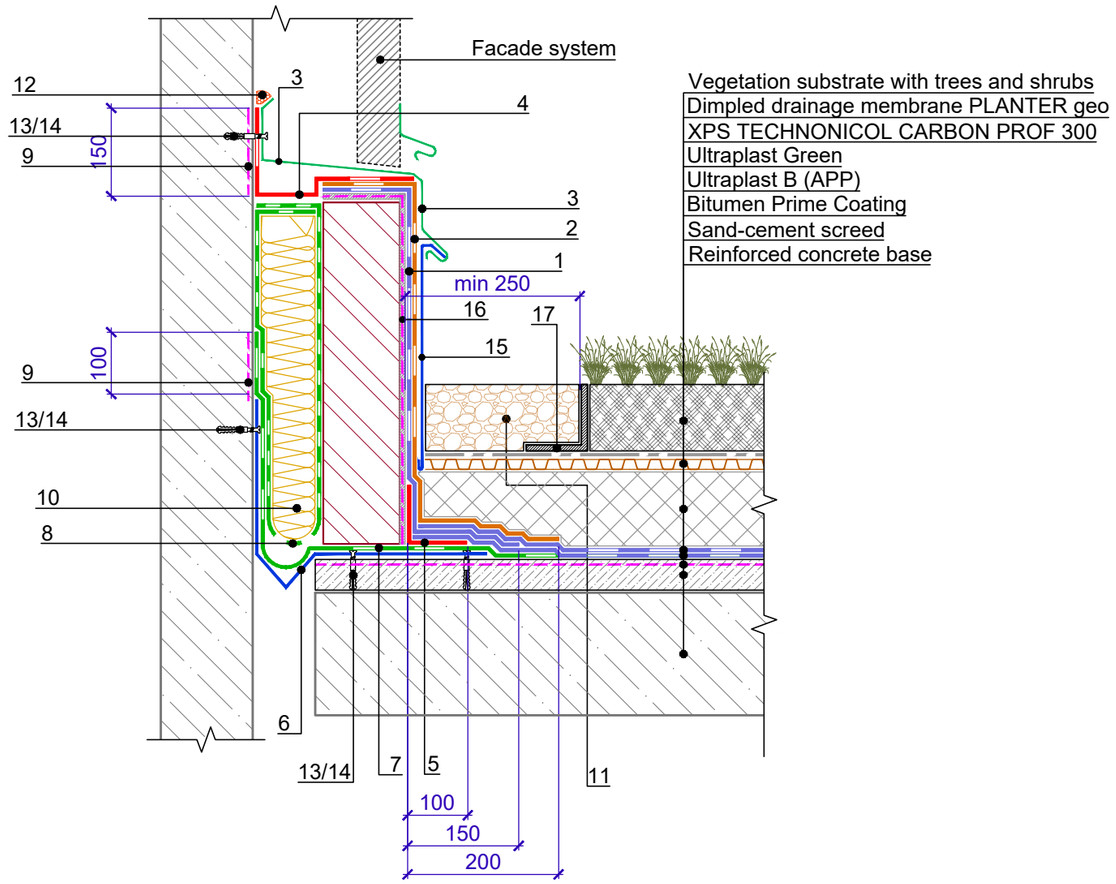


Specification of detail DWG No. 6.3 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Notes
1	Ultraplast B (APP)	upon the project	m^2	
2	Ultraplast B Grey mineral (APP)	upon the project	m^2	
3	Flashing made of galvanized steel	1.00	m	
4	Technoelast Flex, 0.5 m wide	upon the project	m^2	
5	Washed gravel with 20-40 mm fraction	upon the project	m^3	
6	Galvanized steel compensator	1.00	m	
7	Vapor barrier	upon the project	m^2	
8	Vapor barrier	upon the project	m^2	
9	Bitumen Prime Coating	0.10	l	
10	Stone wool	upon the project	m^3	
11	Galvanized steel profile	upon the project	m	
12	Bitumen-polymer sealing mastic	150	g/m	
13	Pointed self-tapping screw 4.8x50	20	pcs.	
14	Anchor element 8x45	20	pcs.	
15	Ultraplast B (APP)	0.35	m^2	
16	Cement bonded particle board	upon the project	m^2	
17	Bitumen Prime Coating	upon the project	l	
18	Flashing made of galvanized steel	1.00	m	
19	L-shaped plastic element	1.05	m	

				TN_ROOF_BRM_CONCRETE_GREEN_EN		
				Expansion joint in the junction to the wall. Opion 1	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **6.3 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **6.4 - 2021.04**



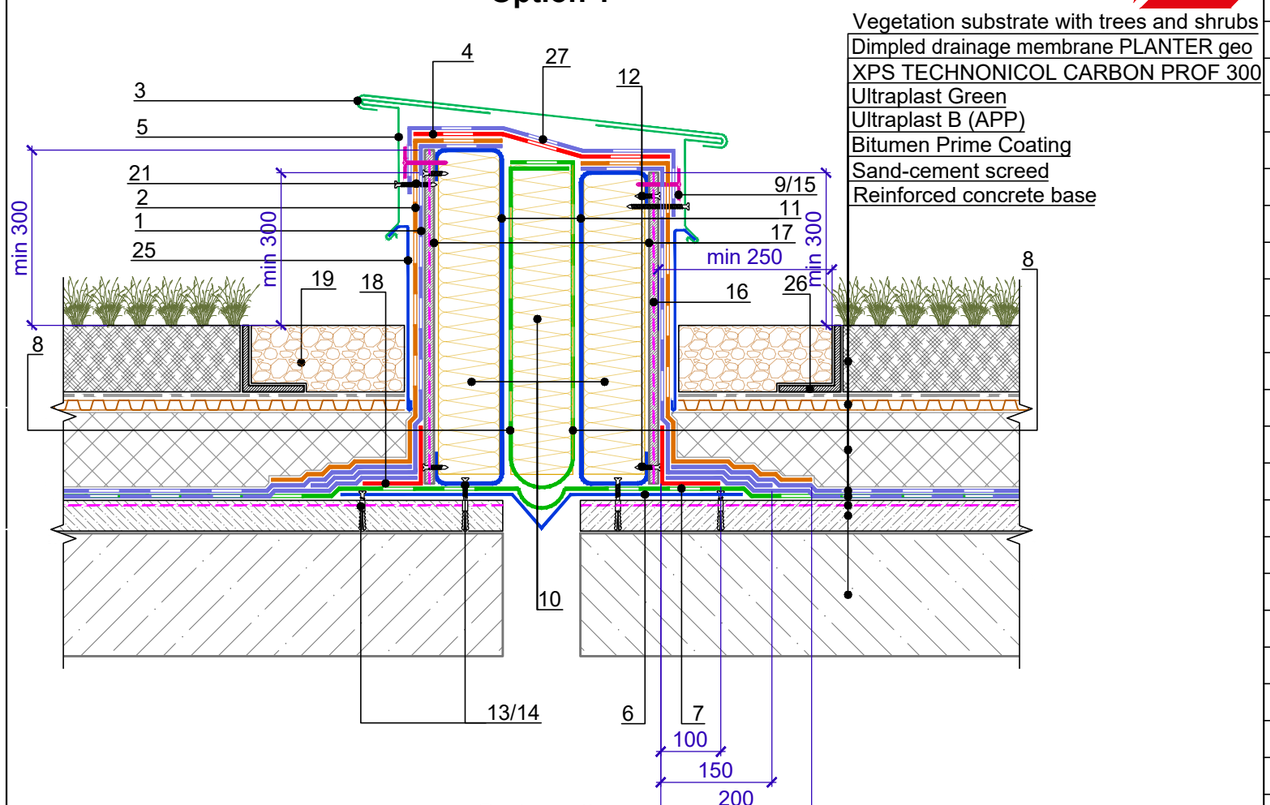
Specification of detail DWG No. 6.4 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Notes
1	Ultraplast B (APP)	upon the project	m^2	
2	Ultraplast B Grey mineral (APP)	upon the project	m^2	
3	Flashing made of galvanized steel	1.00	m	
4	Technoelast Flex, 0.5 m wide	upon the project	m^2	
5	Ultraplast B (APP)	0.35	m^2	
6	Galvanized steel compensator	1.00	m	
7	Vapor barrier	upon the project	m^2	
8	Vapor barrier	upon the project	m^2	
9	Bitumen Prime Coating	0.10	l	
10	Stone wool	upon the project	m^3	
11	Washed gravel with 20-40 mm fraction	upon the project	m^3	
12	Bitumen-polymer sealing mastic	150	g/m	
13	Pointed self-tapping screw 4.8x50	20	pcs.	
14	Anchor element 8x45	20	pcs.	
15	Flashing made of galvanized steel	1.00	m	
16	Bitumen Prime Coating	upon the project	l	
17	L-shaped plastic element	1.05	m	

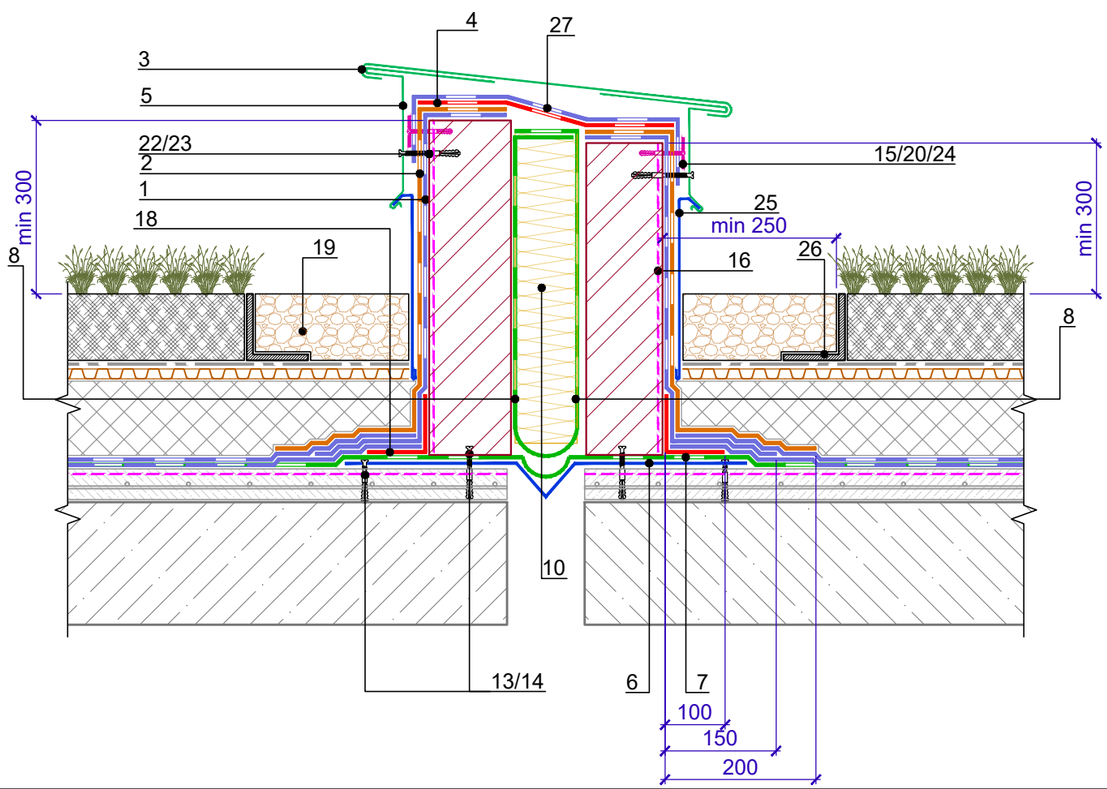
				TN_ROOF_BRM_CONCRETE_GREEN_EN		
				Expansion joint in the junction to the wall. Opion 2	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **6.4 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **6.5 - 2021.04**

Option 1



Option 2



Specification of detail DWG No. 6.5 - 2021.04

Position	Name	Consumption on 1 l.m. of junction	Unit	Notes
1	Ultraplast B (APP)	upon the project	m^2	
2	Ultraplast B Grey mineral (APP)	upon the project	m^2	
3	Flashing made of galvanized steel	1.00	m	
4	Technoelast Flex, 0.5 m wide	upon the project	m^2	
5	Fastener	1.70	pcs.	
6	Galvanized steel compensator	1.00	m	
7	Vapor barrier	upon the project	m^2	
8	Vapor barrier	upon the project	m^2	
9	Drill-tipped self-tapping screw 4.8x50	10	pcs.	
10	Stone wool	upon the project	m^3	
11	Galvanized steel profile	upon the project	m	
12	Pointed self-tapping screw 4.8x50	26	pcs.	
13	Pointed self-tapping screw 4.8x50	20	pcs.	
14	Anchor element 8x45	20	pcs.	
15	Washer Ø 50мм	20	pcs.	
16	Bitumen Prime Coating	upon the project	l	
17	Cement bonded particle board	upon the project	m^2	
18	Ultraplast B (APP)	0.35	m^2	
19	Washed gravel with 20-40 mm fraction	upon the project	m^3	
20	Pointed self-tapping screw 4.8x50	10	pcs.	
21	Drill-tipped self-tapping screw 4.8x50	3.40	pcs.	
22	Pointed self-tapping screw 4.8x50	3.40	pcs.	
23	Anchor element 8x45	3.40	pcs.	
24	Anchor element 8x45	10	pcs.	
25	Flashing made of galvanized steel	1.00	m	
26	L-shaped plastic element	1.05	m	
27	Ultraplast B (APP)	upon the project	m^2	

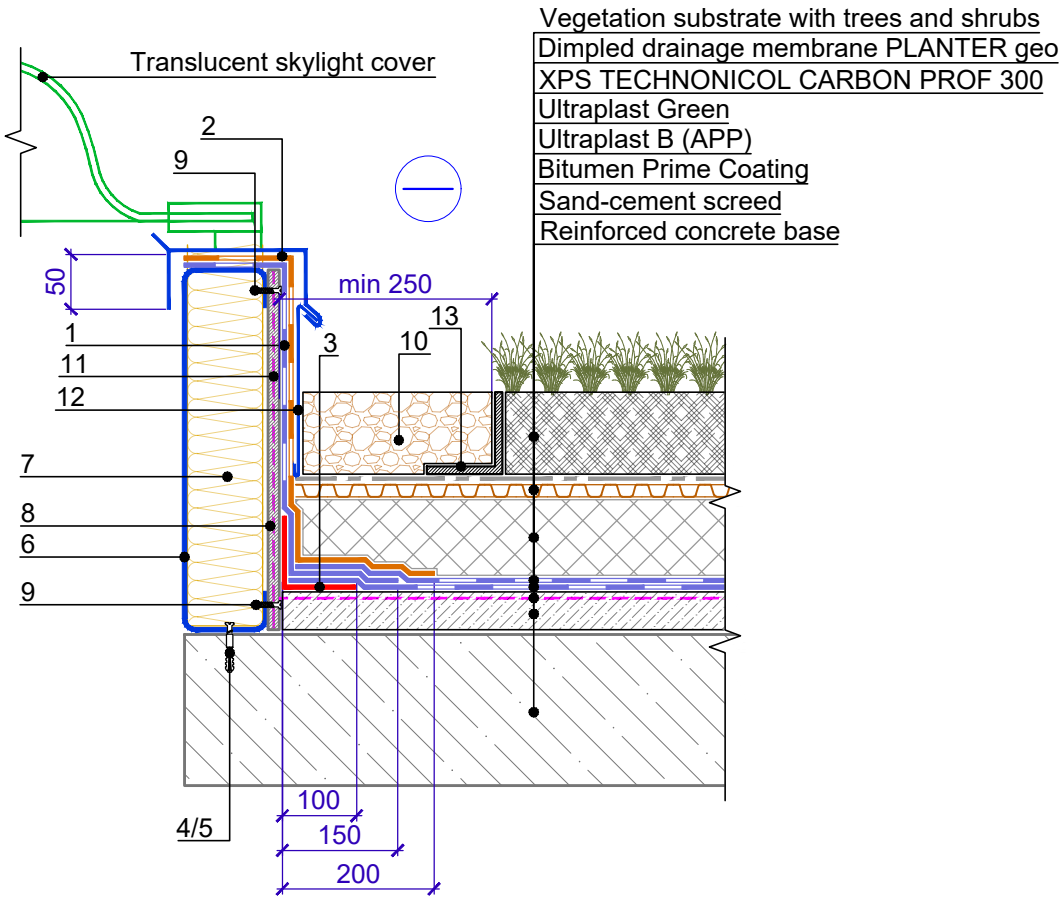
REV.	DATE	DESCRIPTION	CHECKED	TN_ROOF_BRM_CONCRETE_GREEN_EN		
				Expansion spacer	SCALE	DATE
					DWG No. **6.5 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN

Register of drawings for junctions to the zenith skylights and smoke exhaust hatches

№	Name	DWG No.
7.1	Junction to the zenith skylight. Option 1 (before installation of the skylight)	7.1
7.2	Junction to the zenith skylight. Option 2 (after installation of the skylight)	7.2
7.3	Junction to the smoke exhaust hatch. Option 1 (before installation of the hatch)	7.3
7.4	Junction to the exhaust hatch. Option 2 (after installation of the hatch)	7.4

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **7.1 - 2021.04**

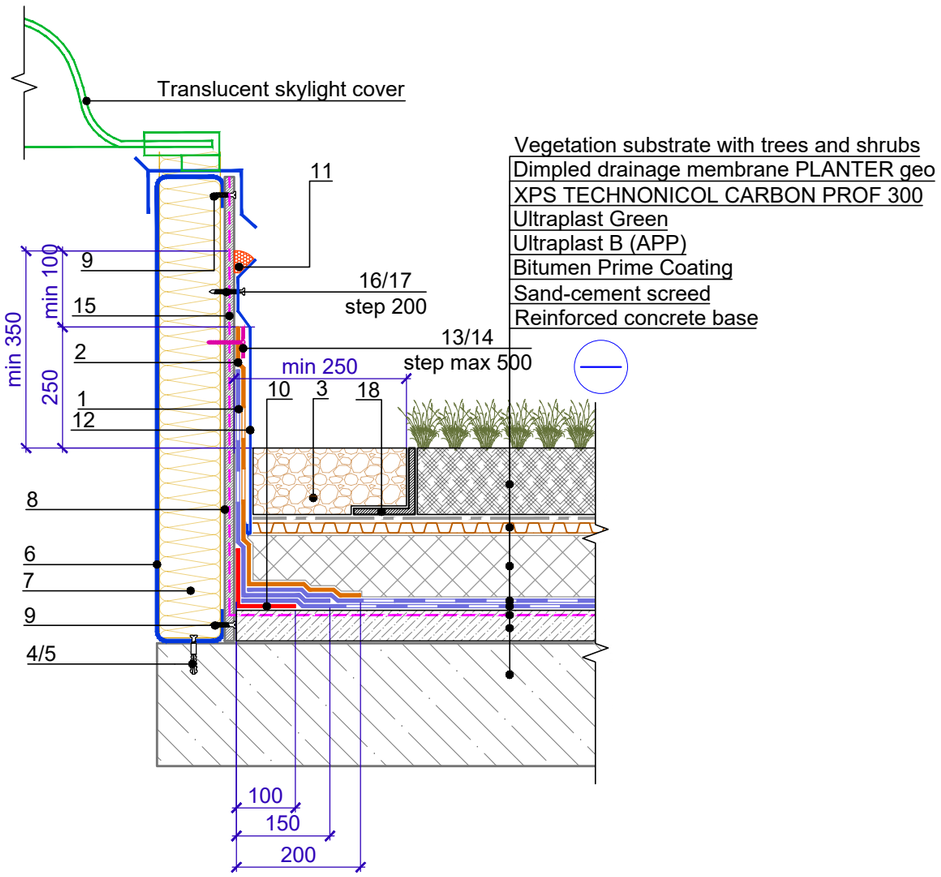


Specification of detail DWG No. 7.1 - 2021.04

Position	Name	Consumption on 1 l.m.	Unit	Notes
1	Ultraplast B (APP)	upon the project	m^2	
2	Ultraplast B Grey mineral (APP)	upon the project	m^2	
3	Ultraplast B (APP)	0.35	m^2	
4	Pointed self-tapping screw 4.8x50	5	pcs.	
5	Anchor element 8x45	5	pcs.	
6	Galvanized steel profile	1.00	m	
7	Stone wool	upon the project	m^3	
8	Cement bonded particle board	upon the project	m^2	
9	Pointed self-tapping screw 4.8x50	10	pcs.	
10	Washed gravel with 20-40 mm fraction	upon the project	m^3	
11	Bitumen Prime Coating	upon the project	l	
12	Flashing made of galvanized steel	1.00	m	
13	L-shaped plastic element	1.05	m	

				TN_ROOF_BRM_CONCRETE_GREEN_EN		
				Junction to the zenith skylight. Option 1 (before installation of the skylight)	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **7.1 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **7.2 - 2021.04**

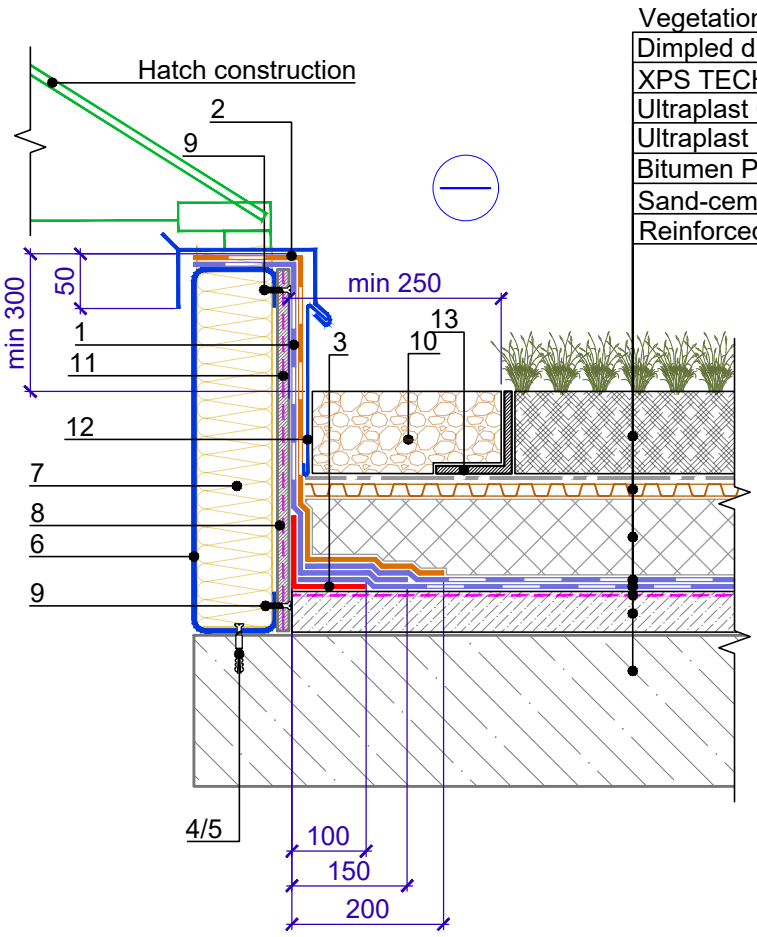


Specification of detail DWG No. 7.2 - 2021.04

Position	Name	Consumption on 1 l.m.	Unit	Note
1	Ultraplast B (APP)	upon the project	m^2	
2	Ultraplast B Grey mineral (APP)	upon the project	m^2	
3	Washed gravel with 20-40 mm fraction	upon the project	m^3	
4	Pointed self-tapping screw 4.8x50	5	pcs.	
5	Anchor element 8x45	5	pcs.	
6	Galvanized steel profile	1.00	m	
7	Stone wool	upon the project	m^3	
8	Cement bonded particle board	upon the project	m^2	
9	Pointed self-tapping screw 4.8x50	10	pcs.	
10	Ultraplast B (APP)	0.35	m^2	
11	Bitumen-polymer sealing mastic	150	g/m	
12	Flashing made of galvanized steel	1.00	m	
13	Pointed self-tapping screw 4.8x50	5	pcs.	
14	Washer Ø 50мм	5	pcs.	
15	Bitumen Prime Coating	upon the project	l	
16	Pointed self-tapping screw 4.8x50	5	pcs.	
17	Anchor element 8x45	5	pcs.	
18	L-shaped plastic element	1.05	m	

				TN_ROOF_BRM_CONCRETE_GREEN_EN		
				Junction to the zenith skylight. Option 2 (after installation of the skylight)	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **7.2 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **7.3 - 2021.04**

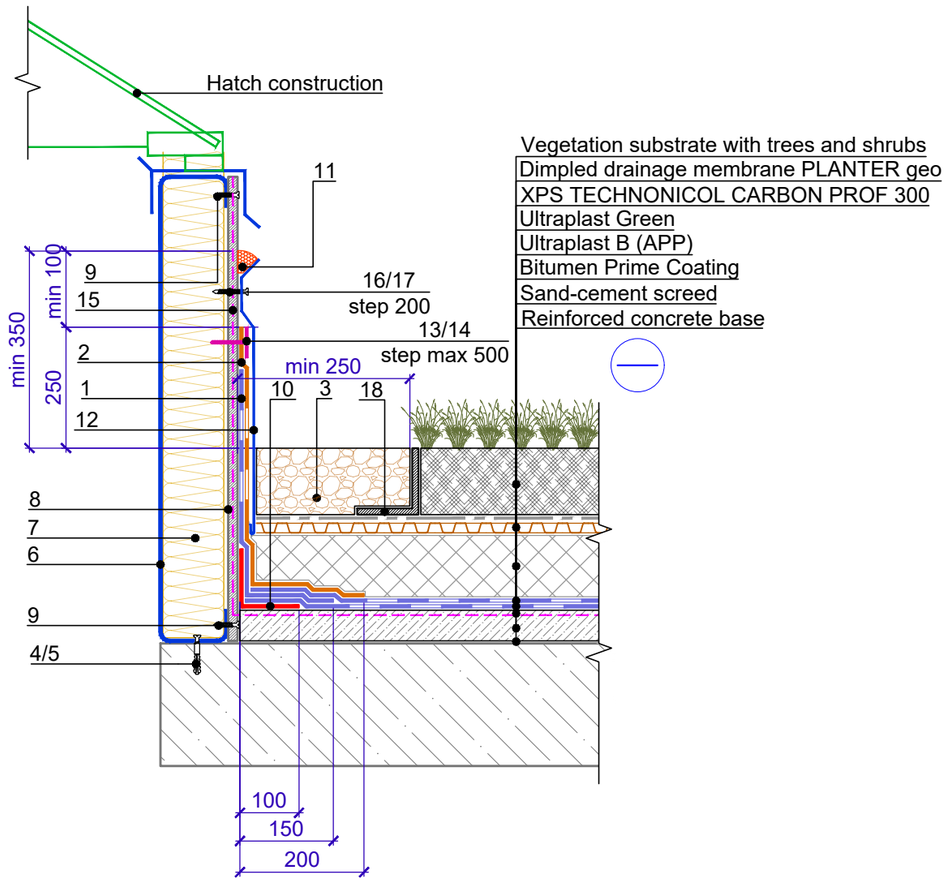


Specification of detail DWG No. 7.3 - 2021.04

Position	Name	Consumption on 1 l.m.	Unit	Notes
1	Ultraplast B (APP)	upon the project	m^2	
2	Ultraplast B Grey mineral (APP)	upon the project	m^2	
3	Ultraplast B (APP)	0.35	m^2	
4	Pointed self-tapping screw 4.8x50	5	pcs.	
5	Anchor element 8x45	5	pcs.	
6	Galvanized steel profile	1.00	m	
7	Stone wool	upon the project	m^3	
8	Cement bonded particle board	upon the project	m^2	
9	Pointed self-tapping screw 4.8x50	10	pcs.	
10	Washed gravel with 20-40 mm fraction	upon the project	m^3	
11	Bitumen Prime Coating	upon the project	l	
12	Flashing made of galvanized steel	1.00	m	
13	L-shaped plastic element	1.05	m	

				TN_ROOF_BRM_CONCRETE_GREEN_EN		
				Junction to the smoke exhaust hatch. Option 1 (before installation of the hatch)	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **7.3 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **7.4 - 2021.04**



Specification of detail DWG No. 7.4 - 2021.04

Position	Name	Consumption on 1 l.m.	Unit	Note
1	Ultraplast B (APP)	upon the project	m^2	
2	Ultraplast B Grey mineral (APP)	upon the project	m^2	
3	Washed gravel with 20-40 mm fraction	upon the project	m^3	
4	Pointed self-tapping screw 4.8x50	5	pcs.	
5	Anchor element 8x45	5	pcs.	
6	Galvanized steel profile	1.00	m	
7	Stone wool	upon the project	m^3	
8	Cement bonded particle board	upon the project	m^2	
9	Pointed self-tapping screw 4.8x50	10	pcs.	
10	Ultraplast B (APP)	0.35	m^2	
11	Bitumen-polymer sealing mastic	150	g/m	
12	Flashing made of galvanized steel	1.00	m	
13	Pointed self-tapping screw 4.8x50	5	pcs.	
14	Washer Ø 50мм	5	pcs.	
15	Bitumen Prime Coating	upon the project	l	
16	Pointed self-tapping screw 4.8x50	5	pcs.	
17	Anchor element 8x45	5	pcs.	
18	L-shaped plastic element	1.05	m	

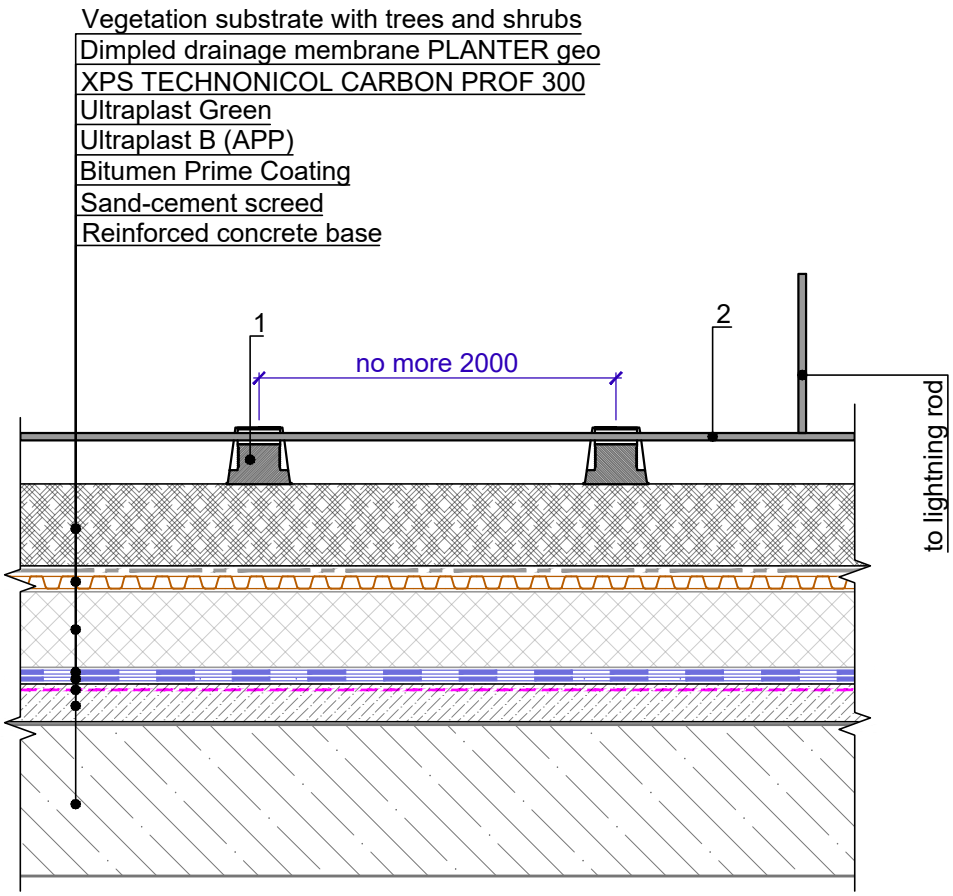
				TN_ROOF_BRM_CONCRETE_GREEN_EN		
				Junction to the exhaust hatch. Option 2 (after installation of the hatch)	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **7.4 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN

Register of drawings for the junctions to the lightning protection structures

№	Name	DWG No.
8.1	Construction of lightning protection. Option 1.	8.1
8.2	Construction of lightning protection. Option 2.	8.2

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **8.1 - 2021.04**



Specification of detail DWG No. 8.1 - 2021.04

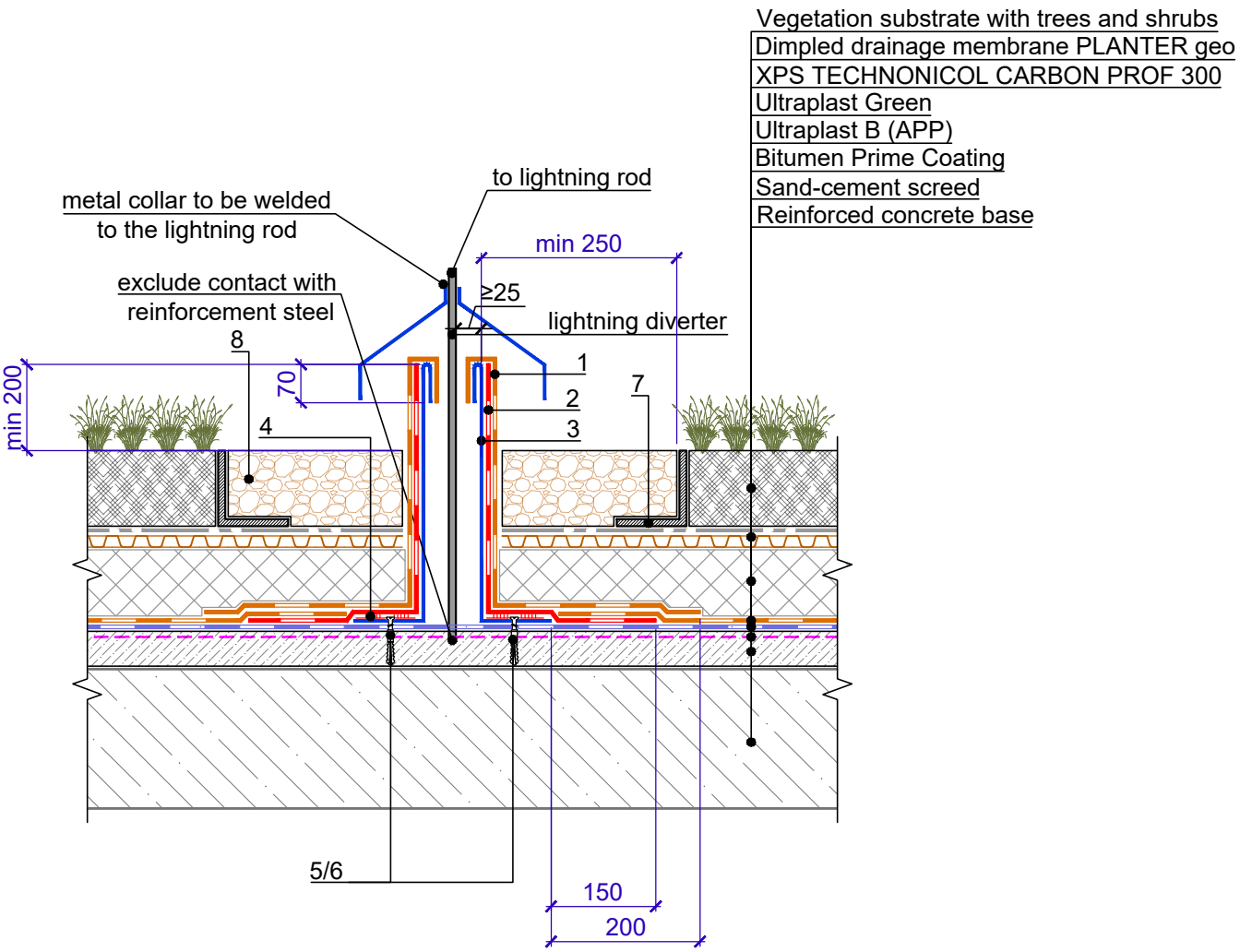
Position	Name	Consumption	Unit	Notes
1	Lightning rod holder (stand)	upon the project	pcs.	
2	Lightning rod metal mesh Ø8mm	upon the project	m	

Notes

1. Lightning rod holders (stands) are installed freely over the entire roof area without being fixed to the roof and filled with sand or cement-sand mortar. The lightning rod mesh is placed on the supports.

				TN_ROOF_BRM_CONCRETE_GREEN_EN		
				Construction of lightning protection. Option 1	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **8.1 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **8.2 - 2021.04**



Specification of detail DWG No. 8.2 - 2021.04

Position	Name	Consumption	Unit	Notes
1	Ultraplast B Grey mineral (APP)	upon the project	m^2	
2	Ultraplast B (APP)	upon the project	m^2	
3	Waterproofing sleeve	upon the project	-	
4	Hot-applied roofing mastic	upon the project	-	
5	Pointed self-tapping screw 4.8x50	upon the project	pcs.	
6	Anchor element 8x45	upon the project	pcs.	
7	L-shaped plastic element	1.05	m	
8	Washed gravel with 20-40 mm fraction	upon the project	m^3	

Notes

1. It is possible to lay a diverter wire inside the slope-forming layer.

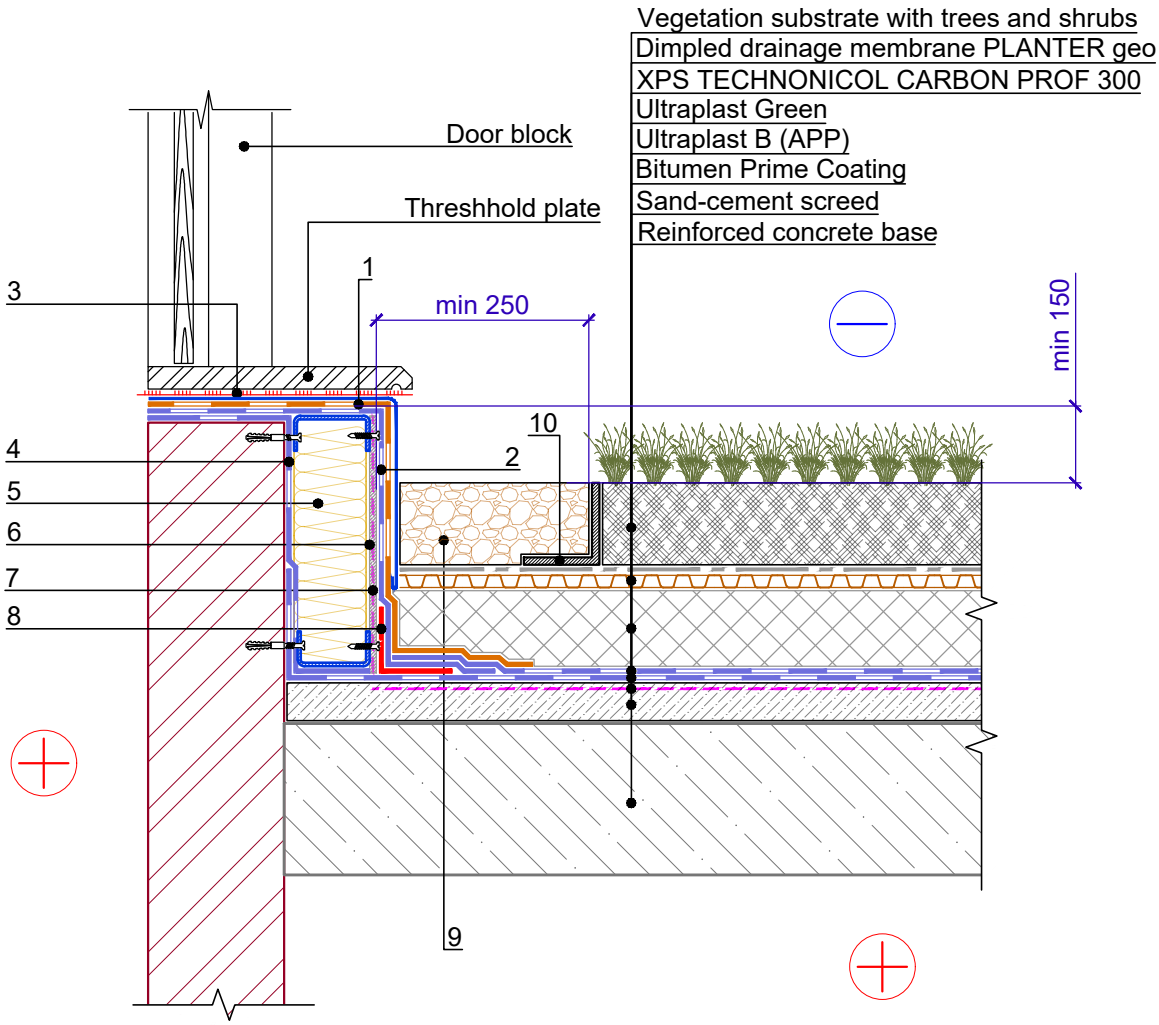
				TN_ROOF_BRM_CONCRETE_GREEN_EN		
				Construction of lightning protection. Option 2	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. 8.2 - 2021.04	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN

Register of drawings for arrangement of junctions to roof access

№	Name	DWG No.
9.1	Junctions to a roof access	9.1

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **9.1 - 2021.04**



Specification of detail DWG No. 9.1 - 2021.04

Position	Name	Consumption on 1 l.m.	Unit	Notes
1	Ultraplast B Grey mineral (APP)	upon the project	m^2	
2	Ultraplast B (APP)	upon the project	m^2	
3	Bitumen-polymer sealing mastic	upon the project	-	
4	Fastening element for plaster facade	upon the project	pcs.	
5	Stone wool	upon the project	m^3	
6	Plaster layer of sand-cement mortar on a grid 100x100mm	upon the project	-	
7	Bitumen Prime Coating	upon the project	l	
8	Ultraplast B (APP)	0.35	pcs.	
9	Washed gravel with 20-40 mm fraction	upon the project	m^3	
10	L-shaped plastic element	1.05	m	

Notes

1. Instead of applying a plaster layer on the vertical surface of the parapet for subsequent torching of the waterproofing layer, it is allowed to use cement bonded particle boards with mechanical fastening to the load-bearing part of the parapet using telescopic or disk-shaped fasteners.

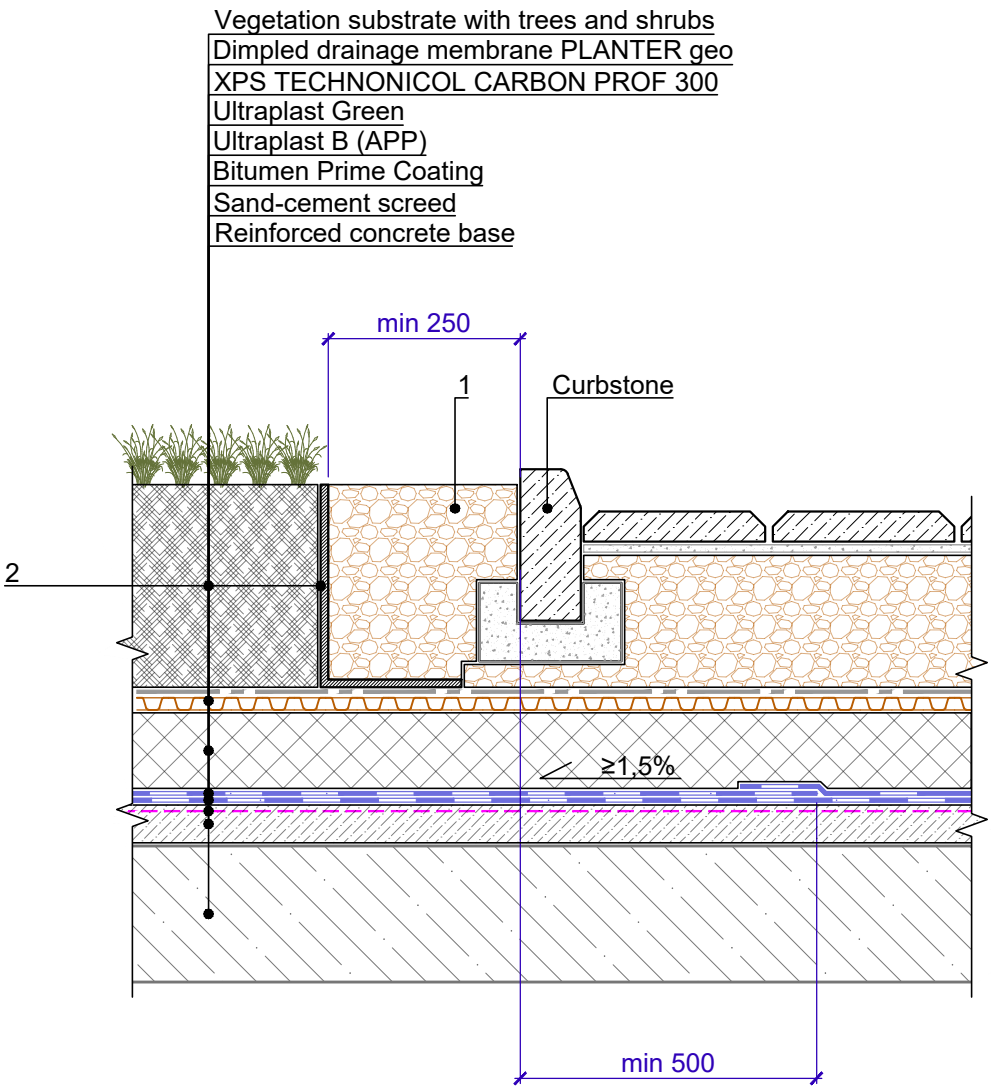
				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
					SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED	Junctions to a roof access	DWG No. **9.1 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN

Register of drawings for construction of junctions to the different types of accessible roofs

№	Name	DWG No.
10.1	Junction to a pavement covering	10.1
10.2	Junction to a asphalt covering. Option 1	10.2
10.3	Junction to a asphalt covering. Option 2	10.3

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **10.1 - 2021.04**



Specification of detail DWG No. 10.1 - 2021.04

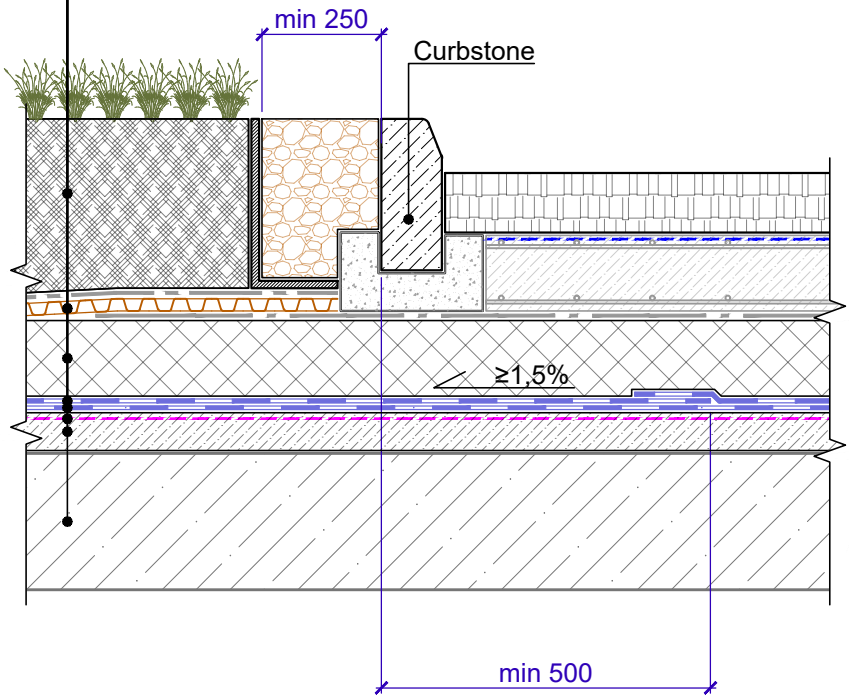
Position	Name	Consumption on 1 l.m.	Unit	Notes
1	Washed gravel with 20-40 mm fraction	upon the project	m^3	
2	L-shaped plastic element *	1.05	m	

1. At high soil backfilling, use geotextile separation layer with a density of at least 300 g/m^2

				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to a pavement covering	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **10.1 - 2021.04**	REV.

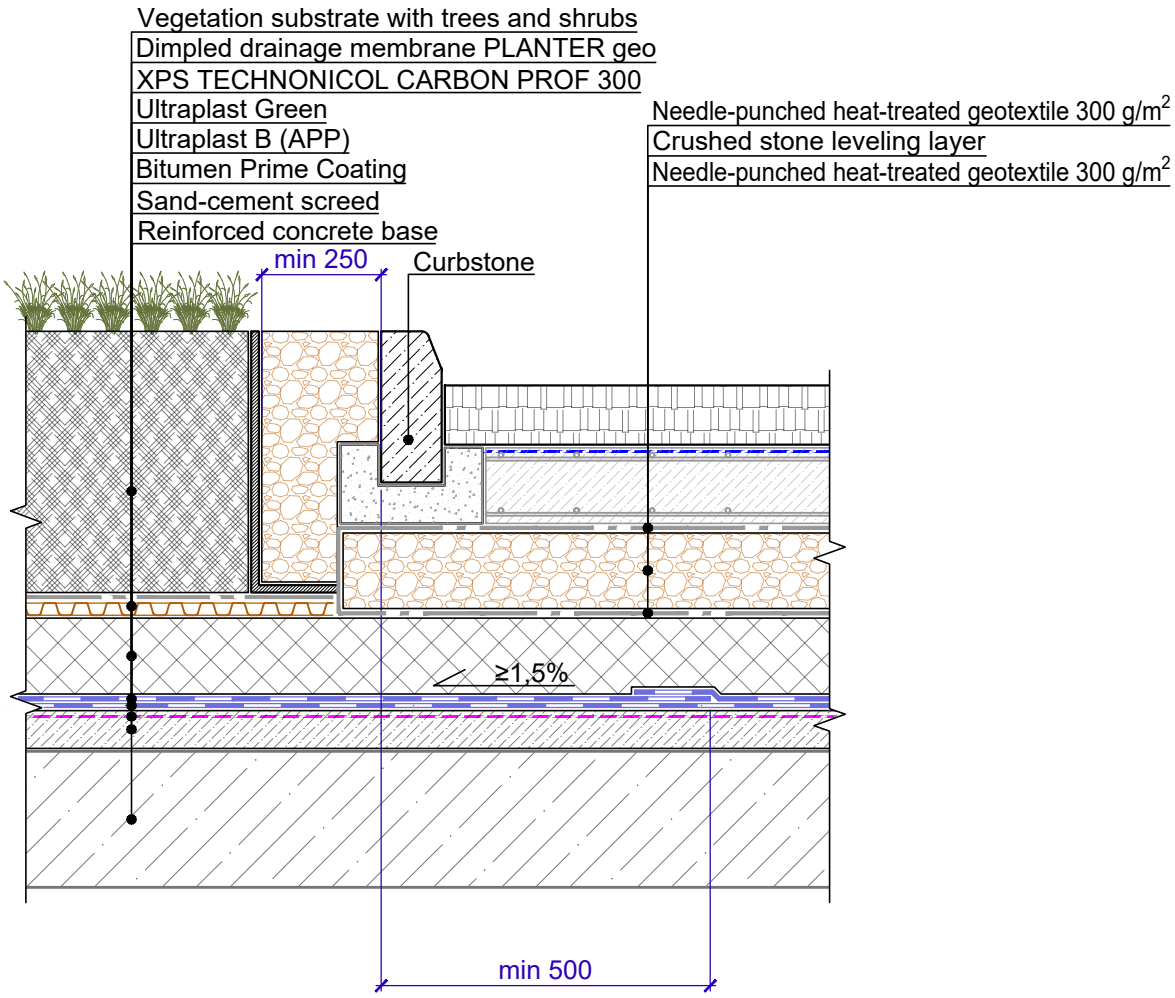
TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **10.2 - 2021.04**

Vegetation substrate with trees and shrubs
Dimpled drainage membrane PLANTER geo
XPS TECHNONICOL CARBON PROF 300
Ultraplast Green
Ultraplast B (APP)
Bitumen Prime Coating
Sand-cement screed
Reinforced concrete base



				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to a asphalt covering. Option 1	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **10.2 - 2021.04**	REV.

TN_ROOF_BRM_CONCRETE_GREEN_EN
DWG No. **10.3 - 2021.04**



				TN_ROOF_BRM_CONCRETE_GREEN_EN	DESIGN	APPROVED
				Junction to a asphalt covering. Option 2	SCALE	DATE
REV.	DATE	DESCRIPTION	CHECKED		DWG No. **10.3 - 2021.04**	REV.