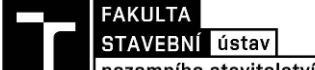


SC 1:5



N	FUNCTION	MATERIAL SPECIFICATION	STABILIZATION	THICKNESS
1	VEGETATION	EXTENSIVE SUBSTRATE vegetation carpet for succulents	-	70
2	FILTRATION	GEOTEXTILE nonwoven geotextile, 300g/m, polyester	-	1.5
3	DRAINAGE/ WATER ACCUMULATION	NOPIC FOIL/ DIMPLE MEMBRANE nop height 20 mm	-	20
4	SEPARATION	GEOTEXTILE nonwoven geotextile, 300g/m, polyester	-	1.5
5	WATERPROOFING	BITUMEN SHEET modified SBS, self-adhesive, top and bottom layer homogeneous elastomer coating, core layer glass textile	melted	3.5
6	WATERPROOFING	BITUMEN SHEET modified SBS, self-adhesive, top layer foil, core layer glass textile, bottom layer PE foil	anchored	3.5
7	SEPARATION	GEOTEXTILE nonwoven geotextile, 300g/m, polyester	-	1.5
8	LEVELING	THERMAL INSULATION EPS 200 polystyrene, thermal resistance R 5.80 m²K/W, coefficient of thermal conductivity λ_0 0.034W/m²K, fire reaction class E, compressive strength 250 MPa, diffusion resistance factor μ 100	-	140 <
9	THERMAL INSULATION	THERMAL INSULATION EPS 200 polystyrene, thermal resistance R 5.80 m²K/W, coefficient of thermal conductivity λ_0 0.034W/m²K, fire reaction class E, compressive strength 250 MPa, diffusion resistance factor μ 100	-	100
10	VAPOUR BARRIER	BITUMEN SHEET modified SBS, top layer separation foil, core layer aluminium foil, bottom layer PE foil	melted in points	3.5
11	PENETRATION	ASPHALT COATING asphalt emulsion, cold processed, sparse, solvent free, frost resistant	roller, brush or spraying machine	0.5
12	GROUTING	GROUTING CONCRETE concrete C20/25 XC1, consistency S3, with reinforcement mesh diameter 4/150	-	60
13	LOAD-BEARING	CEILING JOIST + CARTRIDGE reinforced concrete, fire reaction class A1, fire resistance REI 180 D1	-	190
14	CEILING	GYPSUM BOARD + INSTALLATION GAP suspended ceiling, coefficient of thermal conductivity λ_0 0.21W/m²K, fire reaction class A2-s1,d0, diffusion resistance factor μ 6-10, longitudinal expansion factor in case of humidity change 5-8*10 ⁻⁶ , compressive strength 5.0 - 10.0 MPa	-	2x12.5

TYPE OF WORK		DIPLOMA THESIS	
DRAWN BY	Bc. Richard Sasko		
SUPERVISED BY	Ing. Karel Struhala		
CUSTOMER	John Davidson, Suvorovova 2888/9, 902 01 Pezínok-Stará hora		
SITE LOCATION	Suvorovova 2888/9, 902 01 Pezínok-Stará hora		
PROJECT TITLE	HOTEL		
BUILDING OBJECT	H-1 HOTEL		
PART	D.1.2 - Building Construction Solution		
DRAWING TITLE:	DETAIL E - ROOF INLET		

		
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