


LEGEND OF MATERIALS

	REINFORCED CONCRETE, CLASS C 20 / 25
	PLAIN CONCRETE, CLASS C 20 / 25
	LOAD BEARING WALL, HELUZ FAMILY CUT, TH. 250mm, $\lambda = 0,14 \text{ W/m.K}$ , CONNECTED BY PU FOAM
	GRAVEL SUB BASE
	ORIGINAL SOIL, TYPE: R4, STRENGTH: 400 kPa
	GABION WALL
	COMPACTED SOIL
	INTERNAL LOAD BEARING WALL, HELUZ FAMILY CUT, TH. 300mm, CONNECTED BY PU FOAM
	PARTITION WALL, HELUZ, TH. 115 mm
	THERMAL INSULATION: PERIPHERAL WALL: ISOVER TOPSIL 8 MINERAL WOOL, $\lambda = 0,039 \text{ W/m.K}$ , TH. = 160 mm FLOOR OF GF: ISOVER EPS 100S, $\lambda = 0,037 \text{ W/m.K}$ , TH. = 160 mm FOOT OF PER. WALL: ISOVER SYNTHOS XPS PRIME 30, $\lambda = 0,038 \text{ W/m.K}$ , TH. = 120 mm FLOOR OF THE FIRST FLOOR: ISOVER EPS 100S, $\lambda = 0,037 \text{ W/m.K}$ , TH. = 50 mm CEILING OF THE FIRST FLOOR: BLOWN CELLULOSE TEMPLAN, $\lambda = 0,0396 \text{ W/m.K}$ , TH. = 300 mm

c)				
b)				
a)				
NO.	REVISION /ISSUE	CHANGE MADE BY	SIGNATURE	DATE
<div><div>S01</div><div>UNIVERSITY OF TECHNOLOGY BRNO FACULTY OF CIVIL ENGINEERING DEPARTMENT OF CIVIL ENGINEERING</div></div>				

0.000 = 263,300 m a.s.l. / COORDINATION SYSTEM S – JTSK

TYPE OF WORK	BACHELOR THESIS		 <div>UNIVERSITY OF TECHNOLOGY BRNO FACULTY OF CIVIL ENGINEERING DEPARTMENT OF CIVIL ENGINEERING</div>	
AUTHOR	Viktor Gach			
SUPERVISOR	Ing. František Vojkay Ph.D.			
BUILDER	Jakub Smolný, Rašínova 92, 500 11, Hradec Králové			
BUILDING PLOT	cadastral area.: Vysoká nad Labem, plot 244/3		FAMILY RESIDENCE	
NAME OF THE CONSTRUCTION				
BUILDING	SO 01	FORMAT	4, A4	
PART	D.1.1 ARCHITECTURAL - CONSTRUCTIONAL SOLUTION	DATE	05/2015	
TYPE OF WORK	SECTION B-B'	DEGREE PD	DEC	
		SCALE	NO DRAWING	
		1:50	D.1.105	

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

WOODEN DECKING: THERMWOOD UYL 20X14,0 mm  
TIMBER FRAME, LATHS 40X60 mm  
VAPOUR DIFFUSIVE FOIL PK-FOL MP  
ISOVER TOPSIL 8 MINERAL WOOL ON BASE OF BASALT FIBRES  
LOAD BEARING BRICKS HELUZ FAMILY CUT, TH. 250mm  
CORE PLASTER SAKRET PM, TH. 10 mm  
LIME CEMENT PLASTER SAKRET PM TH 5 mm

VAPOUR DIFFUSIVE FOIL PK-FOL MP  
THERMAL INSULATION BLOWN CELLULOSE TEMPLAN  
LOWER CHORD OF THE TRUSS  
BARRIER  
OSB BOARD 15 mm WITH SEALED CONNECTIONS IN FUNCTION OF WATER VAPOUR  
INSTALLATION CAVITY, FILLED WITH BLOWN CELLULOSE TEMPAL  
GYPSUM BOARDS KNAUF 12,5 mm

METAL SHEETS COVERING LINDAB SRP Click  
VAPOUR DIFFUSIVE FOIL PK-FOL MP  
OSB BOARDS 15 mm  
UPPER CHORD OF TRUSS SYSTEM

FLOATING LAMINATE FLOOR PARADOR CLASSIC 192 x 7 x 1285 mm  
MIRELON - DISTRIBUTION LAYER, TH. 7 mm  
AFE 20 ANHYDRITE SCREED SAKRET, TH. 4,0 mm  
SEPARATION PE FOIL / SAKRET, TH. 2mm  
THERMAL INSULATION Isover EPS 100S, TH. 50 mm  
CORE PLASTER SAKRET PM, TH. 10 mm  
LIME CEMENT PLASTER SAKRET PM TH 5 mm

CERAMIC TILES RAKO STONE, TH. 8 mm  
CERAMIC TILES ADHESIVE CIT SAKRET, TH. 5 mm  
PENETRATION SAKRET A&H  
AFE 20 ANHYDRITE SCREED SAKRET, TH. 4,0 mm  
SEPARATION PE FOIL / SAKRET, TH. 2mm  
THERMAL INSULATION Isover EPS 100S, TH. 160 mm  
WATERPROOFING ELASTOBIT GG 4,0, TH. 4 mm  
REINFORCED CONCRETE SLAB, C 20 / 25 + KARI MASH, OPENINGS 150x150 mm, TH. 150 mm  
GRAVEL SUB BASE, TH. 150 mm  
ORIGINAL SOIL

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