



**LEGEND OF MATERIALS :**

- POROTHERM 30T 248/300/249mm
- REINFORCED CONCRETE C37/30
- THERMAL INSULATION XPS 100mm
- WATERPROOF, BITUMEM 4 mm
- TERRAIN
- Porotherm 8 497/140/238mm
- R.F. CONCRETE COLUMN C37/30
- LEVELING CONCRETE
- ACOUSTIC INSULATION
- GRAVEL
- Rako granit 30x30
- P1 - Porotherm KP 7

UNDERGROUND LEVEL FLOOR F1	t [mm]
FINISH OF FLOORING	20
REINFORCED CONCRETE SLAB	150
WATER PROOFING	4
HP CONCRETE	150
SOIL	
U <sub>0.50</sub> 0.10 m <sup>2</sup> /K	

FLAT ROOF R	t [mm]
GRAVEL	50
WATERPROOFING - ASPHALT	2.5
WATERPROOFING - ASPHALT	2.5
THERMAL INSULATION XPS	100
THERMAL INSULATION XPS	100
VAPOUR BARRIER	2
REINFORCED CONCRETE SLAB	230
PLASTER	10
U <sub>0.35</sub> 0.10 m <sup>2</sup> /K	

EXTERNAL WALL UNDERGROUND LEVEL M01	t [mm]
GRAVEL	10
REINFORCED CONCRETE WALL	240
WATERPROOFING ASPHALT	2
WATERPROOFING ASPHALT	2
THERMAL INSULATION XPS	130
HP CONCRETE	
U <sub>0.25</sub> 0.10 m <sup>2</sup> /K, R <sub>s</sub> = 44.08	

UNDERGROUND LEVEL TO OF F2	t [mm]
FINISH	8
CONCRETE LEVELING LAYER	30
SEPARATION FOL	50
REINFORCED CONCRETE SLAB	230
THERMAL INSULATION XPS	100
PLASTER	10
U <sub>0.50</sub> 0.10 m <sup>2</sup> /K, R <sub>s</sub> = 54.98, L <sub>s</sub> = 58.08	

FLAT ROOF F2	t [mm]
GRAVEL	2.5
WATERPROOFING - ASPHALT	2.5
WATERPROOFING - ASPHALT	2.5
THERMAL INSULATION XPS	140
VAPOUR BARRIER	2
REINFORCED CONCRETE SLAB	230
PLASTER	10
U <sub>0.35</sub> 0.10 m <sup>2</sup> /K	

PERIMETER WALL W1	t [mm]
INNER PLASTER - POROTHERM UNIVERSAL	10
MASONRY POROTHERM 14 497/140/238mm	300
THERMAL INSULATION XPS	150
OUTER PLASTER - POROTHERM UNIVERSAL	10
U <sub>0.25</sub> 0.10 m <sup>2</sup> /K, R <sub>s</sub> = 44.08	

TYPICAL FLOORS F3	t [mm]
SLAB	8
CONCRETE LEVELING LAYER	30
SEPARATION FOL	50
REINFORCED CONCRETE SLAB	230
PLASTER	10
R <sub>s</sub> = 54.98, L <sub>s</sub> = 58.08	

STAIRS LANDING F5	t [mm]
ANTI-SLIP TILES	9
GRAVEL	30
LEVELING CONCRETE	40
PE FOL	0.2
ACOUSTIC INSULATION	40
HP CONCRETE SLAB	230
PLASTER	10

PARTITION WALL W1	t [mm]
INNER PLASTER - POROTHERM UNIVERSAL	10
MASONRY POROTHERM 14 497/140/238mm	140
INNER PLASTER - POROTHERM UNIVERSAL	10
U <sub>0.25</sub> 0.10 m <sup>2</sup> /K, R <sub>s</sub> = 44.08	

Designed by:	Checked by:	 Czech Technical University
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Drawing: CROSS SECTION B-B'	1:50	
Subject: 124BPRO-Bachelor Project		2019-2020