



LEGEND OF MATERIALS :

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|--|------------------------------|--|---------------------------|--|-------------------------------|
| | POROTHERM 30T 248/300/249mm | | LEVELING CONCRETE | | Rako granit 30x30 |
| | REINFORCED CONCRETE C37/30 | | ACOUSTIC INSULATION | | P1 - Porotherm KP 7 |
| | THERMAL INSULATION XPS 100mm | | WATERPROOF, BITUMEM 4 mm | | GRANIT TILES EXTERIOR 300x300 |
| | R.F CONCRETE COLUMN C37/30 | | TERRAIN | | RAILING, STAIRS |
| | GRAVEL | | Porotherm 8 497/140/238mm | | |

UNDERGROUND LEVEL FLOOR F1	t (mm)
FINISH OF FLOORING	20
REINFORCED CONCRETE SLAB	230
WATER PROOFING	5
AC CONCRETE	150
U=0.60 W/m²K	

FLAT ROOF R	t (mm)
GRAVEL	50
WATERPROOFING - ASPHALT	2.5
WATERPROOFING - ASPHALT	2.5
THERMAL INSULATION - XPS	100
VAPOR BARRIER	100
REINFORCED CONCRETE SLAB	230
PLASTER	10
U=0.34 W/m²K	

EXTERNAL WALL UNDERGROUND LEVEL W01	t (mm)
FINER PLASTER	10
REINFORCED CONCRETE WALL	240
WATERPROOFING - ASPHALT	5
XPS BOARDS	130
ROP FOIL	
U=0.25W/m²K, R _s =44.88	

UNDERGROUND LEVEL TO GF F2	t (mm)
TILES	8
GRANIT TILE BAST	30
CONCRETE LEVELING LAYER	50
SEPARATION FOIL	2
ACOUSTIC INSULATION	230
REINFORCED CONCRETE SLAB	150
PLASTER	10
U=0.18 W/m²K, R _s =54.88, L _s =58.88	

FLAT ROOF R2	t (mm)
GRAVEL	2.5
WATERPROOFING - ASPHALT	2.5
WATERPROOFING - ASPHALT	140
THERMAL INSULATION - XPS	2
VAPOR BARRIER	230
REINFORCED CONCRETE SLAB	10
U=0.34 W/m²K	

PERIMETER WALL W1	t (mm)
FINER PLASTER - POROTHERM UNIVERSAL	10
MASONRY POROTHERM P20	240
THERMAL INSULATION - EPS	150
OUTER PLASTER - POROTHERM UNIVERSAL	10
U=0.25W/m²K, R _s =44.88	

TYPICAL FLOORS F3	t (mm)
TILES	8
ANTI-SLIP TILES	30
GLUE	5
SEPARATION FOIL	2
ACOUSTIC INSULATION	40
REINFORCED CONCRETE SLAB	230
PLASTER	10
R _s =54.88, L _s =58.88	

STAIRS LANDING FS	t (mm)
ANTI-SLIP TILES	8
GLUE	5
LEVELING CONCRETE	30
PE FOIL	0.2
ACOUSTIC INSULATION	40
REINFORCED CONCRETE SLAB	230
PLASTER	10

PARTITION WALL W1	t (mm)
FINER PLASTER - POROTHERM UNIVERSAL	10
MASONRY POROTHERM 14 697/140/238mm	140
INNER PLASTER - POROTHERM UNIVERSAL	10
U=0.25W/m²K, R _s =44.88	

Designed by: Bashar Alachkar	Checked by: Ing. Malila Noori, Ph.D.	Czech Technical University
Drawing: CROSS SECTION B-B'		1:50
Subject: 124BPRO-Bachelor Project		2019-2020