



LEGEND OF MATERIALS

- PERIPHERAL WALL, MASONRY FROM POROTHERM 30 P10 (333x250x238MM) A=0.17 W/mK  
BINDING: BAUMIT BAUMACOL FLEXUNI TH.10MM
- INTERIOR ACCOUSTIC LOAD-BEARING WALL: MASONRY FROM POROTHERM 25 AKU 2 P15 (333x250x238MM) A=0.30 W/mK  
BINDING: BAUMIT BAUMACOL BASIC TH.10MM
- PARTITION WALL POROTHERM 11.5 PROFI (457x140x238MM) A=0.25 W/mK
- ACCOUSTIC WALL POROTHERM 19 AKU PROFI (372x249x190MM) A=0.29 W/mK
- THERMAL INSULATION WITH THICKNESS OF 140MM (ISOVER EPS GREYWALL PLUS (1000x500x140MM) A=0.31 W/mK
- REINFORCED CONCRETE C30/37, REINFORCEMENT B550B
- ROOF THERMAL INSULATION, 250-450MM THICK, ISOVER EPS RIGIFLOOR 4000 (1000x500x140MM) A=0.44 W/mK
- TERRACE THERMAL INSULATION, MIN 185MM, STONE WOOL ISOVER INTENSE (1000x500x140MM) A=0.35 W/mK
- WATERPROOFING, 4mm THICK, SBS MODIFIED ASPHALT STRIP, GLASTEX 40 SPECIAL MINERAL
- ORIGINAL SOIL

- R1 STEEL RAILING WITH HEIGHT 900MM / HANDLE RAILING, H=900MM
- P PAVEMENT

LEGEND OF LINTELS

- L1 4x POROTHERM KP7, LxHxW 200x238x70mm, PCS 4, LINTEL IS PLACED ON A BED OF CEMENT MORTAR
- L3 3x POROTHERM KP7, LxHxW 125x238x70mm, PCS 2, LINTEL IS PLACED ON A BED OF CEMENT MORTAR
- L8 3x POROTHERM KP7, LxHxW 350x238x70mm, PCS 3, LINTEL IS PLACED ON A BED OF CEMENT MORTAR
- L10 1x POROTHERM KP11.5, LxHxW 1000x238x115mm, PCS 2, LINTEL IS PLACED ON A BED OF CEMENT MORTAR

NOTES

GREEN AND RED LINES IN THE SECTION DRAWING SHOULD NOT BE TAKING INTO CONSIDERATION AS A PART OF THE PROJECT. IT IS ONLY THERE BECAUSE OF THE SOFTWARE WHICH WAS USED DURING DRAWING PROCESS.

FLOORS AND WALLS COMPOSITION LIST

<b>C1</b> PERIPHERAL BASEMENT WALL	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68 BAUMIT GROUND CONCRETE C30/37 BITUMEN BASED PENETRATION BITUMEN FELT, DAMPROOFING AUSTROTHERM XPS TOP 30 SF, A=0.033 W/mK CEMENT BASED ADHESIVE BAUMIT STARKONTAKT REINFORCING FIBRE GLASS MESH BAUMIT STARTEX BAUMIT GROUND EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15MM 1MM 300MM 2MM 4MM 140MM 10MM 1MM 15MM
<b>C2</b> INTERIOR BASEMENT LOAD BEARING WALL	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68 BAUMIT GROUND CONCRETE C30/37 BAUMIT GROUND EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15MM 1MM 300MM 1MM 15MM
<b>C3</b> INTERIOR PARTITION WALL	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68 BAUMIT GROUND MASONRY FROM POROTHERM 11.5 PROFI, A=0.250 W/mK BAUMIT GROUND EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15MM 1MM 115MM 1MM 15MM
<b>C4</b> PERIPHERAL WALL	PAINT INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68 BAUMIT GROUND MASONRY FROM POROTHERM 30 P10, A=0.170 W/mK CEMENT BASED ADHESIVE BAUMIT BAUMACOL FLEXUNI EPS ISOVER EPS GREYWALL PLUS, A=0.031 W/mK CEMENT BASED ADHESIVE BAUMIT STARKONTAKT REINFORCING FIBRE GLASS MESH BAUMIT STARTEX BAUMIT GROUND EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	3MM 15MM 1MM 300MM 10MM 140MM 10MM 1MM 15MM
<b>C5</b> PERIPHERAL WALL WITH CERAMIC TILES	CERAMIC TILES RAKO SERIE VEIN FLASH, 300MM x 600MM ADHESIVE MORTAR BAUMIT BAUMACOL BASIC INTERNAL GYPSUM PLASTER BAUMIT RATIO GLATT BAUMIT GROUND MASONRY FROM POROTHERM 30 P10, A=0.170 W/mK ADHESIVE MORTAR BAUMIT BAUMACOL BASIC EPS ISOVER EPS GREYWALL PLUS, A=0.031 W/mK CEMENT BASED ADHESIVE BAUMIT STARKONTAKT REINFORCING FIBRE GLASS MESH BAUMIT STARTEX BAUMIT GROUND EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	10MM 10MM 15MM 1MM 300MM 10MM 140MM 10MM 1MM 15MM
<b>C12</b> FIRE BARRIER AROUND ELEVATOR SHAFT	FERMACELL POWERPANEL H20 MINERAL WOOL FERMACELL POWERPANEL H20	25MM 60MM 25MM
<b>F1</b> CERAMIC FLOOR ON THE FIRST FLOOR	CERAMIC TILES FROM RAKO QUARZIT DAK63738 SINTERED, GLAZED DARK GRAY TILE 600x600MM FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1 PENETRATION PRIMER BAUMIT GRUND SINGLE COMPONENT WATERPROOFING COATING BAUMACOL PROTECT 2K LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87 PE FOIL EPS ISOVER RIGIFLOOR 4000, A=0.044 W/mK REINFORCED CONCRETE C30/37 PENETRATION PRIMER WEBERPODKLAD A CEMENT BASED ADHESIVE WEBERTHERM ELASTIK STONE WOOL STROPROCK G, A=0.037 W/mK PENETRATION LAYER INTERIOR PLASTER	10MM 5MM 2MM 55MM 2MM 50MM 160MM 5MM 100MM 10MM
<b>F3</b> CERAMIC FLOOR ON THE ROOMS ...	CERAMIC TILES FROM RAKO QUARZIT DAK63738 SINTERED, GLAZED DARK GRAY TILE 600x600MM FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1 PENETRATION PRIMER BAUMIT GRUND LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87 PE FOIL EPS ISOVER RIGIFLOOR 4000, A=0.044 W/mK REINFORCED CONCRETE C30/37 PENETRATION PRIMER WEBERPODKLAD A CEMENT BASED ADHESIVE WEBERTHERM ELASTIK STONE WOOL STROPROCK G, A=0.037 W/mK PENETRATION LAYER INTERIOR PLASTER	10MM 5MM 2MM 55MM 2MM 50MM 160MM 5MM 100MM 10MM
<b>F4</b> LAMINATE FLOOR ON THE FIRST FLOOR	LAMINATE FLOOR QUICK STEP IM1848 UNDERLAY MAT QUICK STEP SILENT WALK PE STRIPS LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87 PE FOIL EPS ISOVER RIGIFLOOR 4000, A=0.044 W/mK REINFORCED CONCRETE C30/37 PENETRATION PRIMER BAUMIT GRUND INTERIOR PLASTER	8MM 2MM 2MM 60MM 2MM 50MM 160MM 100MM 10MM
<b>F5</b> LAMINATE FLOOR ABOVE THE FIRST FLOOR	LAMINATE FLOOR QUICK STEP IM1848 UNDERLAY MAT QUICK STEP SILENT WALK PE STRIPS LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87 PE FOIL EPS ISOVER RIGIFLOOR 4000, A=0.044 W/mK REINFORCED CONCRETE C30/37 PENETRATION LAYER INTERIOR PLASTER	8MM 2MM 2MM 60MM 2MM 50MM 160MM 100MM 10MM
<b>F6</b> BASEMENT FLOOR ON THE ROOMS ...	CERAMIC TILES FROM RAKO QUARZIT DAK63738 SINTERED, GLAZED DARK GRAY TILE 600x600MM FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1 PENETRATION PRIMER BAUMIT GRUND SINGLE COMPONENT WATERPROOFING COATING BAUMACOL PROTECT 2K LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87 PE FOIL XPS AUSTROTHERM XPS TOP 50 SF, A=0.033 W/mK SBS MODIFIED ASPHALT STRIP GLASTEX 40 SPECIAL MINERAL ASPHALT PENETRATION EMULSION DEKPRIMER REINFORCED CONCRETE C30/37 FOUNDATION STRIPS ORIGINAL SOIL	10MM 5MM 2MM 83MM 2MM 83MM 2MM 83MM 4MM 160MM 400MM
<b>F7</b> BASEMENT FLOOR	FIBER - REINFORCED CONCRETE PE FOIL XPS AUSTROTHERM XPS TOP 50 SF, A=0.033 W/mK SBS MODIFIED ASPHALT STRIP GLASTEX 40 SPECIAL MINERAL ASPHALT PENETRATION EMULSION DEKPRIMER REINFORCED CONCRETE C30/37 FOUNDATION STRIPS ORIGINAL SOIL	100MM 2MM 60MM 4MM 160MM 400MM
<b>F8</b> BALCONY FLOOR	CERAMIC TILES FROM RAKO BETONICO DAK63790 SINTERED, GLAZED WHITE GRAY TILE 600x600MM FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1 PENETRATION PRIMER BAUMIT GRUND LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87 REINFORCED CONCRETE C30/37 LIME GYPSUM PLASTER	10MM 5MM 105MM 160MM 10MM
<b>F9</b> TERRACE FLOOR ON THE FIRST FLOOR	CERAMIC TILES FROM RAKO BETONICO DAK63790 SINTERED, GLAZED WHITE GRAY TILE 600x600MM FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1 PENETRATION PRIMER BAUMIT GRUND SINGLE COMPONENT WATERPROOFING COATING BAUMACOL PROTECT 2K XPS AUSTROTHERM UNIVERSALPLATTE, A=0.033 W/mK PE FOIL LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87 SBS MODIFIED ASPHALT STRIP GLASTEX 40 SPECIAL MINERAL REINFORCED CONCRETE C30/37 PENETRATION PRIMER WEBERPODKLAD A CEMENT BASED ADHESIVE WEBERTHERM ELASTIK STONE WOOL STROPROCK G, A=0.037 W/mK PENETRATION LAYER INTERIOR PLASTER	10MM 5MM 2MM 120MM 160MM 4MM 160MM 5MM 100MM 10MM
<b>F10</b> TERRACE FLOOR ABOVE THE FIRST FLOOR	CONCRETE TILES FROM LINDNER LIGNA 600x600MM PEDESTAL FROM LINDNER PEDESTAL GLUE FILTRATION FLEECE OPTIGRUN FILTER FLEECE FIL 300 PROTECTION AND DRAINAGE BOARD OPTIGRUN PRO 25 PROTECTION AND STORAGE FLEECE OPTIGRUN RMS 300 FLL APPROVED SBS MODIFIED ASPHALT STRIP GLASTEX 40 SPECIAL MINERAL STONE WOOL ISOVER INTENSE, A=0.035 W/mK BITUMEN FELT REINFORCED CONCRETE C30/37 PENETRATION LAYER LIME GYPSUM PLASTER	39MM 83-153MM 60MM 3MM 25MM 4MM 4MM 160MM 4MM 5MM 160MM 10MM
<b>F11</b> ROOF FLOOR	VEGETATION VEGETATION SUBSTRATE FILTRATION FLEECE OPTIGRUN FILTER FLEECE FIL 300 PROTECTION AND DRAINAGE BOARD OPTIGRUN PRO 25 PROTECTION AND STORAGE FLEECE OPTIGRUN RMS 300 FLL APPROVED SBS MODIFIED ASPHALT STRIP GLASTEX 40 SPECIAL MINERAL STONE WOOL ISOVER INTENSE, A=0.044 W/mK EPS ISOVER RIGIFLOOR 4000, A=0.044 W/mK BITUMEN FELT REINFORCED CONCRETE C30/37 PENETRATION LAYER LIME GYPSUM PLASTER	30-35MM 60MM 3MM 25MM 4MM 4MM 200MM MIN. 50MM 4MM 160MM 10MM

0,000 = 234,26 H.a.s.l., B.H.S / COORDINATE SYSTEM S-JTSK

COURSE	BACHELOR'S THESIS	FAKULTA STAVEBNÍ ÚSTAV pozemního stavitelství
DRAWN BY	VEDAT DEMIRKIRAN	
SUPERVISED BY	Ing. JAN MÜLLER, Ph.D.	
INVESTOR	-	
LOCATION	KOMIN, 624 00 BRNO, PARCEL NO. 2547/7	
PROJECT TITLE	RESIDENTIAL BUILDING	
BUILDING OBJECT	BO 01 RESIDENTIAL BUILDING	PAPER FORMAT 8x4
PART	D.1.1 ARCHITECTURAL BUILDING SOLUTION	DATE 5/2024
DRAWING TITLE:	SECTION A-A'	PROJ. PHASE DPS
		SCALE 1:50
		DRAWING NO. D.1.1.10