



LEGEND OF MATERIALS

- PERIPHERAL WALL: MASONRY FROM POROTHERM 30 P10 (33x25x238MM)  $\lambda=0.17$  W/mK  
BINDING: BAUMIT BAUMACOL FLEXUNI TH 10MM
- INTERIOR ACCUSTIC/LOAD-BEARING WALL: MASONRY FROM POROTHERM 25 AKU Z P15 (33x25x238MM)  $\lambda=0.30$  W/mK  
BINDING: BAUMIT BAUMACOL BASIC TH 10MM
- PARTITION WALL POROTHERM 11.5 PROFI (497x140x238MM)  $\lambda=0.25$  W/mK
- ACCUSTIC WALL POROTHERM 19 AKU PROFI (37x249x190MM)  $\lambda=0.29$  W/mK
- THERMAL INSULATION WITH THICKNESS OF 140MM ISOVER EPS GREYWALL PLUS (1000x500x140MM)  $\lambda=0.31$  W/mK
- REINFORCED CONCRETE C30/37, REINFORCEMENT B500B
- ROOF THERMAL INSULATION, 250-450MM THICK, ISOVER EPS RIGIFLOOR 4000 (1000x500x140MM)  $\lambda=0.44$  W/mK
- TERRACE THERMAL INSULATION, MIN 189MM, STONE WOOL ISOVER INTENSE (1000x500x140MM)  $\lambda=0.35$  W/mK
- WATERPROOFING: 4mm THICK, SBS MODIFIED ASPHALT STRIP, GLASTEX 40 SPECIAL MINERAL
- ORIGINAL SOIL
- CONCRETE
- R1 R2 STEEL RAILING WITH HEIGHT 900MM / HANDLE RAILING, H=900MM

LEGEND OF LINTELS

- L1 4x POROTHERM KP7, LxHxW 2000x238x70mm, PCS 5, LINTEL IS PLACED ON A BED OF CEMENT MORTAR
- L3 3x POROTHERM KP7, LxHxW 1250x238x70mm, PCS 6, LINTEL IS PLACED ON A BED OF CEMENT MORTAR
- L6 3x POROTHERM KP7, LxHxW 1250x238x70mm, PCS 4, LINTEL IS PLACED ON A BED OF CEMENT MORTAR
- L7 1x POROTHERM KPXL 550, LxHxW 550x500x300mm, PCS 1, LINTEL IS PLACED ON A BED OF CEMENT MORTAR

FLOORS AND WALLS COMPOSITION LIST

C1 PERIPHERAL BASEMENT WALL

- INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68 15MM
- BAUMIT GRUND 1MM
- CONCRETE C30/37 300MM
- BITUMEN BASED: PENETRATION 2MM
- BITUMEN FELT, DAMPROOFING 4MM
- AUSTROTHERM XPS TOP 30 SF,  $\lambda=0.033$  W/mK 140MM
- CEMENT BASED ADHESIVE BAUMIT STARCONTACT 10MM
- REINFORCING FIBRE GLASS MESH BAUMIT STARTEX 1MM
- BAUMIT GRUND 1MM
- EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68 15MM

C4 PERIPHERAL WALL

- PAINT 3MM
- INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68 15MM
- BAUMIT GRUND 1MM
- MASONRY FROM POROTHERM 30 P10,  $\lambda=0.170$  W/mK 300MM
- CEMENT BASED ADHESIVE BAUMIT BAUMACOL FLEXUNI 10MM
- EPS ISOVER EPS GREYWALL PLUS,  $\lambda=0.031$  W/mK 140MM
- CEMENT BASED ADHESIVE BAUMIT STARCONTACT 10MM
- REINFORCING FIBRE GLASS MESH BAUMIT STARTEX 1MM
- BAUMIT GRUND 1MM
- EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68 15MM

C7 INSTALLATION SHAFT WALL

- CERAMIC TILES RAKO SERIE VEIN FLASH, 300MM x 600MM 10MM
- ADHESIVE MORTAR BAUMIT BAUMACOL BASIC 10MM
- INTERNAL GYPSUM PLASTER BAUMIT RATIO GLATT 1MM
- BAUMIT GRUND 1MM
- MASONRY FROM POROTHERM 11.5 PROFI,  $\lambda=0.250$  W/mK 115MM
- BAUMIT GRUND 1MM
- INTERNAL GYPSUM PLASTER BAUMIT RATIO GLATT 15MM

C9 INTERIOR LOAD-BEARING/ACCUSTIC WALL

- INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68 15MM
- BAUMIT GRUND 1MM
- MASONRY FROM POROTHERM 25 AKU Z P15,  $\lambda=0.30$  W/mK 250MM
- BAUMIT GRUND 1MM
- INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68 15MM

C10 INTERIOR PARTITION WALL WITH CERAMIC TILES

- CERAMIC TILES RAKO SERIE VEIN FLASH, 300MM x 600MM 10MM
- ADHESIVE MORTAR BAUMIT BAUMACOL BASIC 10MM
- INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68 10MM
- BAUMIT GRUND 1MM
- MASONRY FROM POROTHERM 11.5 PROFI,  $\lambda=0.250$  W/mK 115MM
- BAUMIT GRUND 1MM
- EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68 15MM

F1 CERAMIC FLOOR ON THE FIRST FLOOR

- CERAMIC TILES FROM RAKO QUARZIT DAK63738 SINTERED, GLAZED 10MM
- DARK GRAY TILE 600x600MM 5MM
- FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1 5MM
- PENETRATION PRIMER BAUMIT GRUND 2MM
- SINGLE COMPONENT WATERPROOFING COATING BAUMACOL PROTECT 2K 55MM
- LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87 55MM
- PE FOIL 50MM
- EPS ISOVER RIGIFLOOR 4000,  $\lambda=0.044$  W/mK 160MM
- REINFORCED CONCRETE C30/37 100MM
- PENETRATION PRIMER WEBERPODKLAD A 5MM
- CEMENT-BASED ADHESIVE WEBERTHERM ELASTIK 100MM
- STONE WOOL STROPROCK G,  $\lambda=0.037$  W/mK 10MM
- PENETRATION LAYER 10MM
- INTERIOR PLASTER

F2 CERAMIC FLOOR ON ABOVE THE FIRST FLOOR

- CERAMIC TILES FROM RAKO QUARZIT DAK63738 SINTERED, GLAZED 10MM
- DARK GRAY TILE 600x600MM 5MM
- FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1 5MM
- PENETRATION PRIMER BAUMIT GRUND 2MM
- SINGLE COMPONENT WATERPROOFING COATING BAUMACOL PROTECT 2K 55MM
- LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87 55MM
- PE FOIL 50MM
- EPS ISOVER RIGIFLOOR 4000,  $\lambda=0.044$  W/mK 160MM
- REINFORCED CONCRETE C30/37 100MM
- PENETRATION PRIMER WEBERPODKLAD A 5MM
- CEMENT-BASED ADHESIVE WEBERTHERM ELASTIK 100MM
- STONE WOOL STROPROCK G,  $\lambda=0.037$  W/mK 10MM
- PENETRATION LAYER 10MM
- INTERIOR PLASTER

F3 CERAMIC FLOOR ON THE ROOMS ....

- CERAMIC TILES FROM RAKO QUARZIT DAK63738 SINTERED, GLAZED 10MM
- DARK GRAY TILE 600x600MM 5MM
- FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1 5MM
- PENETRATION PRIMER BAUMIT GRUND 2MM
- LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87 55MM
- PE FOIL 50MM
- EPS ISOVER RIGIFLOOR 4000,  $\lambda=0.044$  W/mK 160MM
- REINFORCED CONCRETE C30/37 100MM
- PENETRATION PRIMER WEBERPODKLAD A 5MM
- CEMENT-BASED ADHESIVE WEBERTHERM ELASTIK 100MM
- STONE WOOL STROPROCK G,  $\lambda=0.037$  W/mK 10MM
- PENETRATION LAYER 10MM
- INTERIOR PLASTER

F4 LAMINATE FLOOR ON THE FIRST FLOOR

- LAMINATE FLOOR QUICK-STEP IM1848 8MM
- UNDERLAY MAT QUICK-STEP SILENT WALK 2MM
- PE STRIPS 60MM
- LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87 55MM
- PE FOIL 50MM
- EPS ISOVER RIGIFLOOR 4000,  $\lambda=0.044$  W/mK 160MM
- REINFORCED CONCRETE C30/37 100MM
- PENETRATION PRIMER WEBERPODKLAD A 5MM
- CEMENT-BASED ADHESIVE WEBERTHERM ELASTIK 100MM
- STONE WOOL STROPROCK G,  $\lambda=0.037$  W/mK 10MM
- PENETRATION LAYER 10MM
- INTERIOR PLASTER

F5 LAMINATE FLOOR ABOVE THE FIRST FLOOR

- LAMINATE FLOOR QUICK-STEP IM1848 8MM
- UNDERLAY MAT QUICK-STEP SILENT WALK 2MM
- PE STRIPS 60MM
- LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87 55MM
- PE FOIL 50MM
- EPS ISOVER RIGIFLOOR 4000,  $\lambda=0.044$  W/mK 160MM
- REINFORCED CONCRETE C30/37 100MM
- PENETRATION LAYER 10MM
- INTERIOR PLASTER

F10 TERRACE FLOOR ABOVE THE FIRST FLOOR

- CONCRETE TILES FROM LINDNER LIGNA 600x600MM 39MM
- PEDESTAL FROM LINDNER 83-153MM
- PEDESTAL GLUE 3MM
- FILTRATION FLEECE OPTIGRAN FILTER FLEECE FIL 300 23MM
- PROTECTION AND DRAINAGE BOARD OPTIGRAN FPD 25 4MM
- PROTECTION AND STORAGE FLEECE OPTIGRAN RMS 300 FLL APPROVED 180MM
- SBS MODIFIED ASPHALT STRIP GLASTEX 40 SPECIAL MINERAL 4MM
- STONE WOOL ISOVER INTENSE,  $\lambda=0.035$  W/mK 4MM
- BITUMEN FELT 160MM
- REINFORCED CONCRETE C30/37 160MM
- PENETRATION LAYER 10MM
- LIME GYPSUM PLASTER

F11 ROOF FLOOR

- VEGETATION 30-35MM
- VEGETATION SUBSTRATE 60MM
- FILTRATION FLEECE OPTIGRAN FILTER FLEECE FIL 300 3MM
- PROTECTION AND DRAINAGE BOARD OPTIGRAN FPD 25 3MM
- PROTECTION AND STORAGE FLEECE OPTIGRAN RMS 300 FLL APPROVED 4MM
- SBS MODIFIED ASPHALT STRIP GLASTEX 40 SPECIAL MINERAL 4MM
- STONE WOOL ISOVER INTENSE,  $\lambda=0.035$  W/mK 200MM
- EPS ISOVER RIGIFLOOR 4000,  $\lambda=0.044$  W/mK 4MM
- BITUMEN FELT 4MM
- REINFORCED CONCRETE C30/37 160MM
- PENETRATION LAYER 4MM
- LIME GYPSUM PLASTER 10MM

F12 PAVEMENT

- FLOOR FINISHING 50MM
- SAND 40MM
- GROUTING CONCRETE C20/25 80MM
- SEPERATION LAYER 80-100MM
- THERMAL INSULATION

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

COURSE	BACHELOR'S THESIS		
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 B-B'	PROJ. PHASE	DPS
		SCALE	1:50
		DRAWING NO.	D.1.1.11