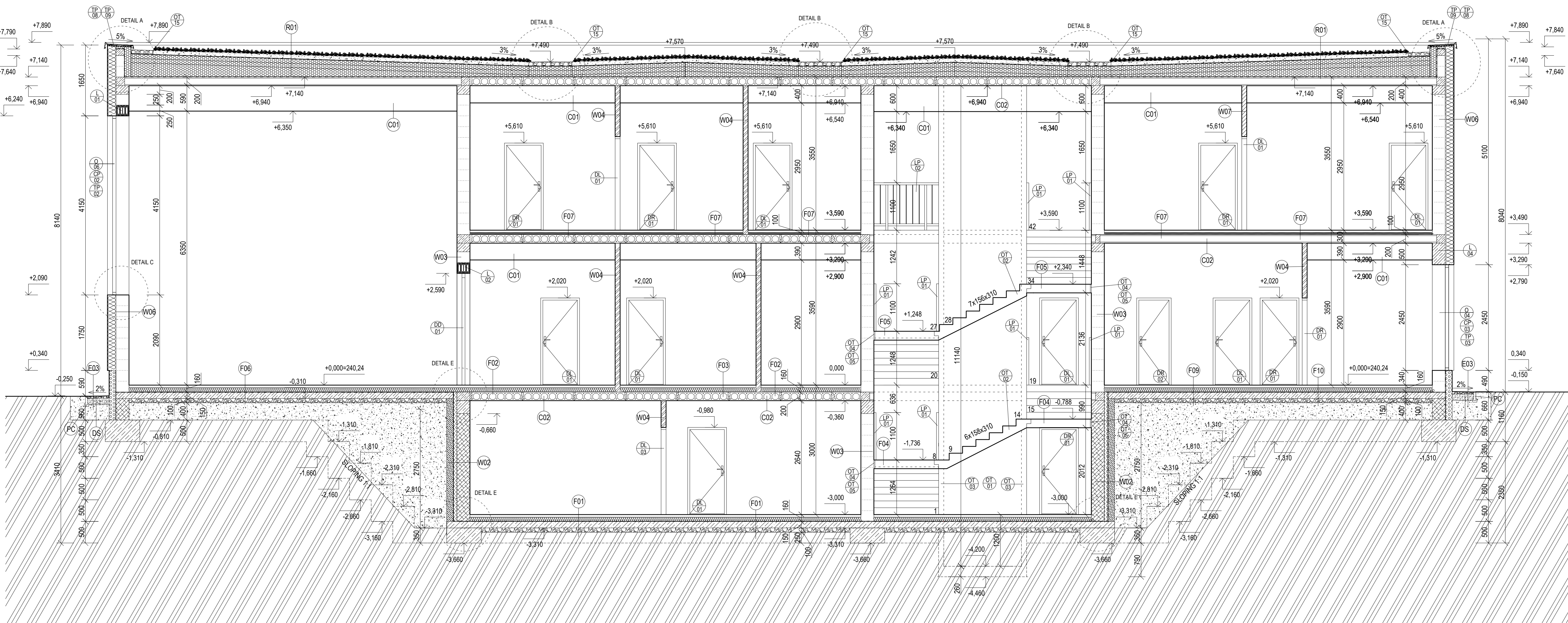


















D.1.1.05 SECTION B-B'



NOTES:

- |  |   |   |
|--|---|---|
| <p>DIMENSIONING IS DONE IN COORDINATION / MODULAR DIMENSIONS</p> <p>DETAILS ABOUT MATERIALS AND COMPOSITIONS ARE IN LIST OF COMPOSITIONS</p> <p>DETAILS ABOUT ELEMENTS ARE IN LIST OF ELEMENTS</p> <p>DILATATION GAP BETWEEN PARTS WITH DIFFERENT SETTLEMENT WILL BE MADE OF FREELY PLACED XPS 100mm</p> <p>ELEVATOR WILL BE DESIGNED IN SEPARATE PROJECT DOCUMENTATION (NOT PART OF THIS WORK)</p> <p>ELEVATOR SHAFT AND STAIRCASE ARE PREFABRICATED, STAIRCASE IS ACOUSTICALLY SEPARATED FROM OTHER LOAD-BEARING STRUCTURES BY SHOCK SYSTEM</p> <p>STAIRCASE HALF-LANDING IS PLACED ONTO L PROFILE SECURED BY CHEMICAL ANCHORS</p> <p>STAIRCASE IS DILATED FROM OTHER STRUCTURES BY 25mm THICK DILATATION GAP FILLED WITH SYLOMER MAT AGAINST IMPACT SOUND, SYLOMER MAT IS ALSO ON PARTS WHERE STAIRCASE MEETS WITH SLAB/LANDING</p> <p>ALL REINFORCED CONCRETE ELEMENTS WILL BE DESIGNED ACC TO STRUCTURAL DESIGN DESIGNED BY CHARTERED ENGINEER (NOT PAR OF THIS WORK)</p> | <p>PASSAGES OF ENGINEERING NETWORKS WILL BE DONE ACC. TO PART D.1.4 BUILDING TECHNICAL SOLUTION (NOT PART OF THIS WORK) IN CASE THEY ARE PASSING THROUGH FIRE DEPARTMENTS, THEY WILL BE PROPERLY FIRE-SEALED ACC TO D.1.3 FIRE SAFETY - TECHNICAL REPORT</p> <p>LEVELING CEMENT SCREED WILL BE DILATED FROM ALL VERTICAL STRUCTURES BY PE STRIP 100mm</p> <p>IN AREAS BIGGER THAN 36m<sup>2</sup> IT IS ESSENTIAL TO CREATE CONTRACTION JOINTS DEEP 1/2 OF THICKNESS OF LEVELING CEMENTSCREED, AFTER VOLUME CHANGES WILL BE JOINTS FILLED WITH EPOXY</p> <p>INSTALLATION SERVICES T2B WILL BE LED THROUGH SHAFT AND PREWALLS</p> <p>FIRST ROW OF CERAMIC BLOCKS WILL BE MADE OF "STARTER", BLOCKS PLACED ONTO MORTAR BED 10mm</p> <p>WATERPROOFING AND PLINTH INSULATION XPS WILL BE MIN 300mm ABOVE SURROUNDING TERRAIN</p> <p>WALL CONNECTIONS WILL BE MADE BY WALL TIES cca 20mm UNDER CEILING STRUCTURE, GAP WILL BE FILLED WITH PU FOAM</p> <p>BEFORE INSTALLATION OF DOORS AND WINDOWS, CONSTRUCTED OPENINGS ON SITE HAVE TO MEASURED</p> <p>WHEN INSTALLING LINTELS MIN. OVERLAPS WILL BE KEPT</p> | <p>LINTELS WILL BE PLACED ONTO CEMENT BED 100mm THICK</p> <p>VENTILATION WILL BE ENSURED BY MECHANICAL VENTILATION SYSTEM</p> <p>ALL EXTERNAL FACADES WILL COMPLY WITH ETICS SYSTEM STANDARDS</p> <p>FLOOR ROOF IS DESIGNED AS SIMPLE INTENSIVE VEGETATION ROOF</p> <p>ROOF WATERPROOFING IS MADE OF 2 LAYERS OF ASPHALT FELTS</p> <p>ROOF SLOPING LAYER IS MADE OF EPS SLOPING BOARDS WITH 3% SLOPE, 100mm min. 50mm</p> <p>SLOPING OF PARAPET WALL IS MADE BY WOODEN WEDGES THAT HAVE EPS THERMAL INSULATION IN BETWEEN THEM, SLOPE IS 5%</p> <p>DURING ALL CONSTRUCTION WORKS IT IS IMPORTANT TO FOLLOW LEGAL REGULATION, NORMS, TECHNOLOGICAL PROCEDURES AND BOZP</p> |
|--|---|---|

LEGEND OF MATERIALS:

- |   |  |
|---|--|
|  | LOAD-BEARING FORMWORK BLOCKS BTB 50/20/25 (P+D), LxWxH 500x300x250mm, FILLED WITH REINFORCED CONCRETE C20/25, STEEL B500B DESIGNED ACCORDING TO STRUCTURAL DESIGN (NOT PART OF THIS PD), REI 180 DP1   |
|  | SUPPORTING WALL FROM FORMWORK BLOCKS BTB 50/15/25 (P+D), LxWxH 500x150x250mm, FILLED WITH REINFORCED CONCRETE C20/25, STEEL B500B DESIGNED ACCORDING TO STRUCTURAL DESIGN (NOT PART OF THIS PD), REI 180 DP1   |
|  | LOAD-BEARING WALL FROM CERAMIC BLOCKS POROTHERM 30 PROFi, th. 300mm, LxWxH 247x300x249mm, LAID ON THIN MORTAR JOINT, R <sub>w</sub> =48dB, REI 180 DP1   |
|  | PARTITION WALL FROM CERAMIC BLOCKS POROTHERM 11,5 PROFi, th. 115mm, LxWxH 497x115x249mm, LAID ON THIN MORTAR JOINT, R <sub>w</sub> =43dB, EI 120 DP1   |
|  | ACOUSTIC PARTITION WALL FROM CERAMIC BLOCKS POROTHERM 11,5 AKU, th. 115mm, LxWxH 497x115x249mm, LAID ON THIN MORTAR JOINT, R <sub>w</sub> =47dB, REI 120 DP1   |
|  | PARTITION WALL FROM CERAMIC BLOCKS POROTHERM 8 PROFi, th. 80mm, LxWxH 497x80x249mm, LAID ON THIN MORTAR JOINT, R <sub>w</sub> =38dB, EI 90 DP1   |
|  | PREFABRICATED ELEVATOR SHAFT, th. 120mm, REINFORCED CONCRETE C35/45 XC2, STEEL B500B DESIGNED ACCORDING TO STRUCTURAL DESIGN (NOT PART OF THIS PD), REI 180 DP1  |
|  | FACADE THERMAL INSULATION FROM MINERAL WOOL, th.200mm, STRENGTH 30 kPa, $\lambda_p=0,034$ W/mK   |
|  | THERMAL INSULATION FROM EXPANDED POLYSTYRENE EPS <ul style="list-style-type: none"> <li>- ROOF INSULATION SLOPING BOARDS EPS 100, th. min 50mm, STRENGTH 100 kPa, <math>\lambda_p=0,036</math> W/mK</li> <li>- ROOF INSULATION BOARDS EPS 150, th. 2x100mm, STRENGTH 150 kPa, <math>\lambda_p=0,036</math> W/mK</li> <li>- ROOF INSULATION EPS 150 IN BETWEEN WOODEN WEDGES, th. 50-60mm, STRENGTH 150 kPa, <math>\lambda_p=0,036</math> W/mK</li> </ul> |
|  | THERMAL INSULATION FROM EXTRUDED POLYSTYRENE, XPS 300 L, th. 80mm AND th. 160m, STRENGTH 300 kPa, $\lambda_p=0,033$ W/mK   |
|  | WATERPROOFING - 2x Sbs MODIFIED ASPHALT FELT, th. 2x4mm<br>ROOF - WATER VAPOUR BARRIER - ASPHALT FELT TYPE S, th. 4mm  |
|  | SURROUNDING SOIL   |
|  | REINFORCED CONCRETE, C25/30, STEEL B50B  |
|  | PLAIN CONCRETE, C20/25   |
|  | WASHED RIVER AGGREGATE - GRAVEL FRACTION 16-32   |
|  | ROOF - SUBSTRATE LAYER - SAND AND TARF, th. 60mm   |
|  | FOUNDATIONS - COMPACTED ORIGINAL SOIL  |
|  | SIMPLE INTENSIVE VEGETATION LAYER - SMALL PLANTS, SHRUBS   |

**LEGEND OF SYMBOLS:**

- |     |   |
|-----|---|
|     | WALL COMPOSITION, SEE LIST OF COMPOSITIONS  |
| FOx | FLOOR COMPOSITION, SEE LIST OF COMPOSITIONS   |
| ROx | ROOF COMPOSITION, SEE LIST OF COMPOSITIONS  |
| EOx | EXTERIOR COMPOSITION, SEE LIST OF COMPOSITIONS  |
| COx | CEILING COMPOSITION, SEE LIST OF COMPOSITIONS   |
|     |   |
| GIx | GIRDER, SEE LEGEND OF LINTELS   |
| LIx | LINTEL, SEE LEGEND OF LINTELS   |
| DLx | INTERNAL LEFT-HANDED DOORS, SEE LIST OF ELEMENTS  |
| DRx | INTERNAL RIGHT-HANDED DOORS, SEE LIST OF ELEMENTS   |
| DDx | INTERNAL DOUBLE DOOR, SEE LIST OF ELEMENTS  |
| DAx | INTERNAL AUTOMATIC DOORS, SEE LIST OF ELEMENTS  |
| DEx | EXTERNAL DOORS, SEE LIST OF ELEMENTS  |
| DGx | GARAGE DOORS, SEE LIST OF ELEMENTS  |
| CPx | CARPENTRY PRODUCTS, SEE LIST OF ELEMENTS  |
| TPx | TINSMITH PRODUCTS, SEE LIST OF ELEMENTS   |
| LPx | LOCKSMITH PRODUCTS, SEE LIST OF ELEMENTS  |
| OX  | EXTERNAL OPENING, SEE LIST OF ELEMENTS  |
| OT  | ELECTRIC ELEVATOR KONE MONOSPACE 300 DX, WITHOUT MACHINE ROOM, CABIN DIMENSIONS 1400x1100mm, HEIGHT OF CABIN 2100mm, SEE LIST OF ELEMENTS |
| OT  | PREFABRICATED STAIRCASE, SEE LIST OF ELEMENTS   |
| OT  | PREFABRICATED ELEVATOR SHAFT, DIMENSIONS 2040x2170mm, WALL THICK. 120mm, SEE LIST OF ELEMENTS   |
| OT  | STAIRCASE DILATATION GAP 25mm FILLED WITH IMPACT SOUND INSULATION, SYLOMER MAT  |
| OT  | CHEMICAL ANCHOR AND LOAD-BEARING L PROFILE WITH IMPACT SOUND INSULATION, SEE LIST OF ELEMENTS   |
| PC  | CONCRETE PAVEMENT CURB, th. 50mm  |
| DS  | DRAINAGE STRIP - GRAVEL 32/63mm, WIDE 500mm, ENDED WITH CONCRETE CURB   |
| OT  | ALUMINUM GRAVEL CAPTURE L PROFILE TOPWET, 100x80mm, INSTALLED AROUND GRAVEL, SEE LIST OF ELEMENTS   |

0,000 =240,24 m.a.s.l., B.H.S. / COORDINATE SYSTEM S-JTSK

COURSE	DIPLOMA THESIS		<div><div><div></div></div><div>FAKULTA STAVEBNÍ</div><div><div>Stavební</div><div>FAKULTA STAVEBNÍ VUT BRNO</div></div></div>
DRAWN BY	BARBORA HUSÁROVÁ		
SUPERVISED BY	ING. JAN MÜLLER PH.D.		
INVESTOR			
LOCATION	POŘÁDÍ, 687 51 NIVNICE, PARCELS No. 65, 64, 63, 61, 57		
PROJECT TITLE	MUNICIPAL CENTRE IN NIVNICE		
BUILDING OBJECT	BO 01 MUNICIPAL CENTRE	PAPER FORMAT	1050x420
PART	D.1.1 ARCHITECTURAL BUILDING SOLUTION	DATE	01/2025
DRAWING TITLE:		PROJ. PHASE	DPS
	SECTION B-B'	SCALE	DRAWING NO.
		1:50	D.1.1.05