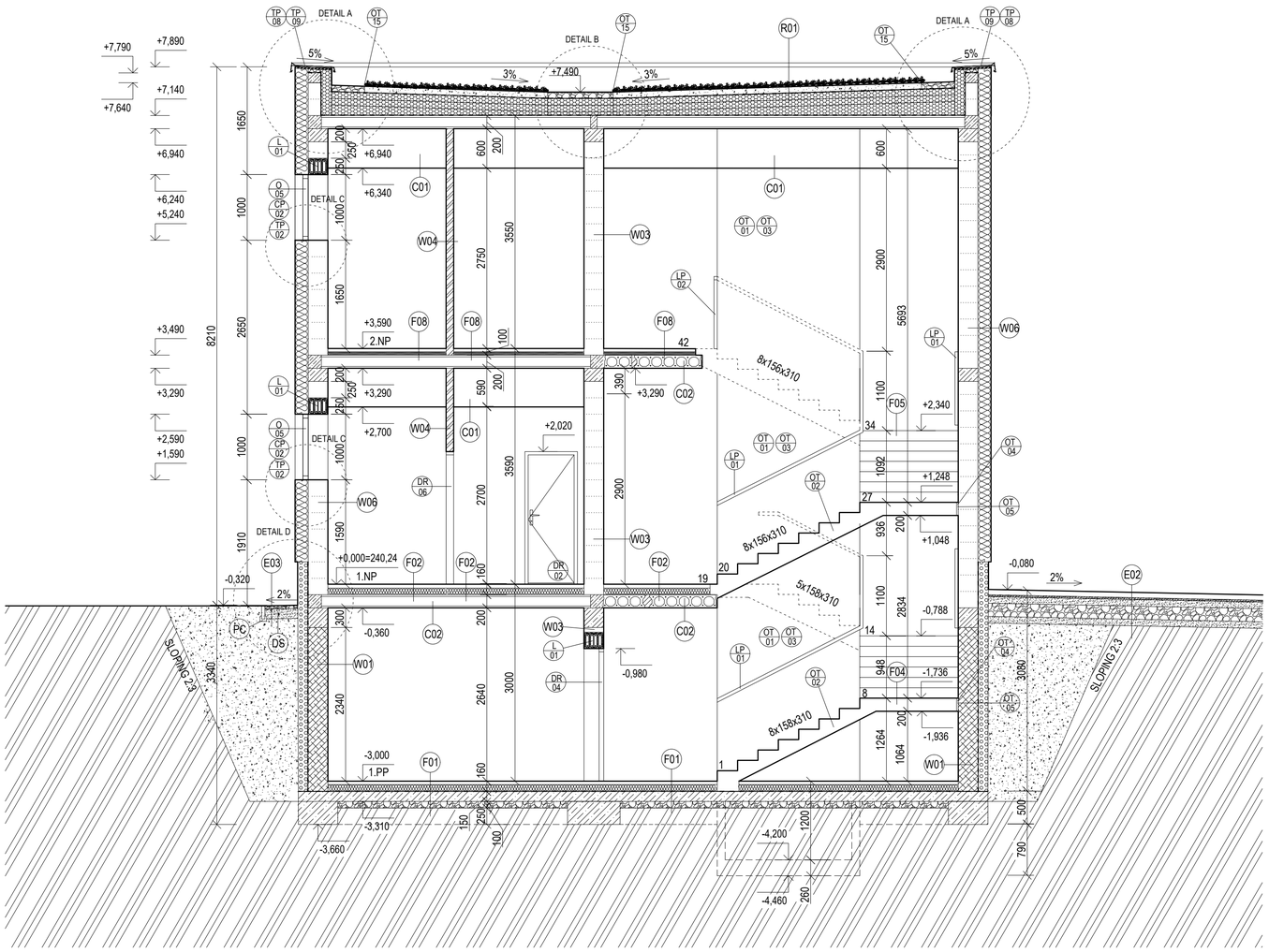
D.1.1.04 SECTION A-A´



LEGEND OF MATERIALS:

- LOAD-BEARING FORMWORK BLOCKS BTB 50/30/25 (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, Rw=48dB, REI 180 DP1
- PARTITION WALL FROM CERAMIC BLOCKS POROTHERM 11,5 PROFI, th. 115mm, LxWxH 497x115x249mm, LAID ON THIN MORTAR JOINT, Rw=43dB, EI 120 DP1
- ACOUSTIC PARTITION WALL FROM CERAMIC BLOCKS POROTHERM 11,5 AKU, th. 115mm, LxWxH 497x115x249mm, LAID ON THIN MORTAR JOINT, Rw=47dB, REI 120 DP1
- PARTITION WALL FROM CERAMIC BLOCKS POROTHERM 8 PROFI, th. 80mm, LxWxH 497x80x249mm, LAID ON THIN MORTAR JOINT, Rw=38dB, EI 90 DP1
- PEFABRICATED 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, λ_D=0,034 W/mK
- THERMAL INSULATION FROM EXPANDED POLYSTYRENE EPS
  - ROOF INSULATION SLOPING BOARDS EPS 100, th. min 50mm, STRENGTH 100 kPa, λ_D=0,036 W/mK
  - ROOF INSULATION BOARDS EPS 150, th. 2x100mm, STRENGTH 150 kPa, λ_D=0,036 W/mK
  - ROOF INSULATION EPS 150 IN BETWEEN WOODEN WEDGES, th. 50-60mm, STRENGTH 150 kPa, λ_D=0,036 W/mK
- THERMAL INSULATION FROM EXTRUDED POLYSTYRENE, XPS 300 L, th. 80mm AND th. 160m, STRENGTH 300 kPa, λ_D=0,033 W/mK
- WATERPROOFING - 2x SBS MODIFIED ASPHALT FELT, th. 2x4mm
  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:

- W0x WALL COMPOSITION, SEE LIST OF COMPOSITIONS
- F0x FLOOR COMPOSITION, SEE LIST OF COMPOSITIONS
- R0x ROOF COMPOSITION, SEE LIST OF COMPOSITIONS
- E0x EXTERIOR COMPOSITION, SEE LIST OF COMPOSITIONS
- C0x CEILING COMPOSITION, SEE LIST OF COMPOSITIONS

- G 0x GIRDER, SEE LEGEND OF LINTELS
- L 0x LINTEL, SEE LEGEND OF LINTELS
- DL 0x INTERNAL LEFT-HANDED DOORS, SEE LIST OF ELEMENTS
- DR 0x INTERNAL RIGHT-HANDED DOORS, SEE LIST OF ELEMENTS
- DD 0x INTERNAL DOUBLE DOOR, SEE LIST OF ELEMENTS
- DR 0x INTERNAL AUTOMATIC DOORS, SEE LIST OF ELEMENTS
- DE 0x EXTERNAL DOORS, SEE LIST OF ELEMENTS
- DG 0x GARAGE DOORS, SEE LIST OF ELEMENTS
- CP 0x CARPENTRY PRODUCTS, SEE LIST OF ELEMENTS
- TP 0x TINSMITH PRODUCTS, SEE LIST OF ELEMENTS
- LP 0x LOCKSMITH PRODUCTS, SEE LIST OF ELEMENTS
- O 0x EXTERNAL OPENING, SEE LIST OF ELEMENTS
- OT 01 ELECTRIC ELEVATOR KONE MONOSPACE 300 DX, WITHOUT MACHINE ROOM, CABIN DIMENSIONS 1400x1100mm, HEIGHT OF CABIN 2100mm, SEE LIST OF ELEMENTS
- OT 02 PREFABRICATED STAIRCASE, SEE LIST OF ELMENTS
- OT 03 PREFABRICATED ELEVATOR SHAFT, DIMENSIONS 2040x2170mm, WALL THICK. 120mm, SEE LIST OF ELEMENTS
- OT 04 STAIRCASE DILATATION GAP 25mm FILLED WITH IMPACT SOUND INSULATION, SYLOMER MAT
- OT 05 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 15 ALUMINUM GRAVEL CAPTURE L PROFILE TOPWET, 100x80mm, INSTALLED AROUND GRAVEL, SEE LIST OF ELEMENTS

NOTES:

- DIMENSIONING IS DONE IN COORDINATION / MODULAR DIMENSIONS
- DETAILS ABOUT MATERIALS AND COMPOSITIONS ARE IN LIST OF COMPOSITIONS
- DETAILS ABOUT ELEMENTS ARE IN LIST OF ELEMENTS
- DILATATION GAP BETWEEN PARTS WITH DIFFERENT SETTLEMENT WILL BE MADE OF FREELY PLACED XPS th.80mm
- ELEVATOR WILL BE DESIGNED IN SEPARATE PROJECT DOCUMENTATION (NOT PART OF THIS WORK)
- ELEVATOR SHAFT AND STAIRCASE ARE PREFABRICATED, STAIRCASE IS ACOUSTICALLY SEPARATED FROM OTHER LOAD-BEARING STRUCTURES BY SHOCK SYSTEM
- STAIRCASE HALF-LANDING IS PLACED ONTO L PROFILE SECURED BY CHEMICAL ANCHORS
- 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
- ALL REINFORCED CONCRETE ELEMENTS WILL BE DESIGNED ACC TO STRUCTURAL DESIGN DESIGNED BY CHARTERED ENGINEER (NOT PAR OF THIS WORK)
- 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
- LEVELING CEMENT SCREED WILL BE DILATED FROM ALL VERTICAL STRUCTURES BY PE STRIP th. 10mm
- IN AREAS BIGGER THAN 36m2 IT IS ESSENTIAL TO CREATE CONTRACTION JOINTS DEEP $\frac{1}{3}$ OF THICKNESS OF LEVELING CEMENTSCREED, AFTER VOLUME CHANGES WILL BE JOINTS FILLED WITH EPOXY
- INSTALLATION SERVICES TZB WILL BE LED THROUGH SHAFT AND PREWALLS
- FIRST ROW OF CERAMIC BLOCKS WILL BE MADE OF „STARTER„ BLOCKS PLACED ONTO MORTAR BED th. 10mm
- WATERPROOFING AND PLINTH INSULATION XPS, WILL BE MIN 300mm ABOVE SURROUNDING TERRAIN
- WALL CONNECTIONS WILL BE MADE BY WALL TIES cca 20mm UNDER CEILNIG STRUCTURE, GAP WILL BE FILLED WITH PU FOAM
- BEFORE INSTALLATION OF DOORS AND WINDOWS, CONSTRUCTED OPENINGS ON SITE HAVE TO MEASURED
- WHEN INSTALLING LINTELS MIN. OVERLAPS WILL BE KEPT
- LINTELS WILL BE PLACED ONTO CEMENT BED 10mm THICK
- VENTILATION WILL BE ENSURED BY MECHANICAL VENTILATION SYSTEM
- ALL EXTERNAL FACADES WILL COMPLY WITH ETICS SYSTEM STANDARDS
- FLAT ROOF IS DESIGNED AS SIMPLE INTENSIVE VEGETATION ROOF
- ROOF WATERPROOFING IS MADE OF 2 LAYERS OF ASPHALT FELTS
- ROOF SLOPING LAYER IS MADE OF EPS SLOPING BOARDS WITH 3% SLOPE, th. min. 50mm
- SLOPING OF PARAPET WALL IS MADE BY WOODEN WEDGES THAT HAVE EPS THERMAL INSULATION IN BETWEEN THEM, SLOPE IS 5%
- DURING ALL CONSTRUCTION WORKS IT IS IMPORTANT TO FOLLOW LEGAL REGULATION, NORMS, TECHNOLOGICAL PROCEDURES AND BOZP

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

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LOCATION	POŘÁDÍ, 687 51 NIVNICE, PARCELS No. 65, 64, 63, 61 ,57
PROJECT TITLE	MUNICIPAL CENTRE IN NIVNICE
BUILDING OBJECT	BO 01 MUNICIPAL CENTRE
PART	D.1.1 ARCHITECTURAL BUILDING SOLUTION
DRAWING TITLE:	SECTION A-A´

FAKULTA STAVEBNÍ ČVUT v Praze pozemního stavitelství

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