

**LEGEND OF ROOMS**

APARTMENT N°	TYPE	ROOM PURPOSE	AREA (m <sup>2</sup> )	COMPOSITION	FLOORING	WALLS SURFACE	CEILING
011	2+K	01 HALL	5.16	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		02 BATHROOM + TOILET	5.92	H1	CERAMIC TILES	CERAMIC TILES	CERAMIC TILES
		03a LIVING ROOM	20.78	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		03b KITCHEN CORNER	7.35	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		04 ROOM	15.08	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		05 BALCONY	4.20	H5	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
			87.63 m <sup>2</sup>				

**LIST OF LINTELS**

DESCRIPTION	DIMENSION	ANNOTATION	1PP	1NP	2NP	3NP	4NP	5R	TYPES	ELEMENTS	
POROTHERM 7	2x 70/239/1000	2x PT-7 + EPS 30, d. 1000 mm	1	-	-	-	-	4	-	5ks	10ks
	3x 70/239/1250	3x PT-7 d. 1250 mm	-	23	33	33	30	-	-	119ks	357ks
	2x 70/239/1750	2x PT-7 + EPS 30, d. 1750 mm	-	-	-	-	-	1	-	1ks	2ks

**NOTES**

**MASONRY**  
 WALLS AND PARTITIONS ARE ANNOTATED ON WORKING DIMENSIONS - WITHOUT PLASTERS  
 IN THE CONTEXT OF MASONRY AND REINFORCED CONCRETE INCLUDE SYSTEM INCREASE IN EVERY SECOND LAYER  
 MASONRY PARTITIONS AROUND COMMUNICATION SHAFTS IN THE APARTMENTS WILL BE FROM PTH + AUI 1.5  
 REINFORCED PLASTER PROFILES WILL BE EQUIPPED IN EVERY CORNER

**WINDOWS AND DOORS**  
 CONNECTION POINT BY WINDOWS WILL BE FROM INNER SIDE FROM LAPOR BARBERS BEING FROM OUTER SIDE  
 WILL BE COVERED BY CONTACT THERMAL INSULATION BUILDING ENVELOPE SYSTEM ELEMENT  
 ANNOTATION OF BALCONY DOORS ARE FOR CONSTRUCTION OPENINGS. CLEAR HEIGHT  
 FROM FLOOR FINISH TO BE NOTED TO BE 2000 mm (2000 mm)  
 LINTEL OVER OPENINGS ARE TO BE 150 mm ABOVE THE STRUCTURE PTH 120 mm  
 HEATING CONVECTORS ARE EQUIPPED BY FRENCH WINDOWS TO THE FLOOR COMPARTMENT

**OPENINGS AND TRANSITIONS**  
 PARTITIONS AND GROOVES IN PARTITIONS WILL BE DONE ON SITE  
 TRANSITION BETWEEN DIFFERENT TYPES OF FLOORING ARE MADE BY TRANSITION PROFILES

**BATHROOMS**  
 BATHS WILL BE COVERED BY GAS/LACATE PARTITIONS IN 20 mm. REVISION OPENING - FRAME - FACING WITH MARGNETS  
 CONNECTION BETWEEN BATH AND TUB WILL BE COVERED BY COVER PROFILE  
 PARTS OF REVISION OPENINGS (DOOR OR BATHROOMS) ARE 120 mm FROM FLOOR  
 WREATH ASSEMBLY USE STAINLESS CORNER TRIM PROFILES BY CORNER AND EDGES  
 HANGING TOILETS WILL BE COVERED BY GAS/LACATE ELEMENTS IN 150 mm TALL HEIGHT 1100 mm  
 TRIM OF BATHROOMS AND TOILETS WILL BE 200 mm HEIGHT

**FACADES, THERMAL AND ACOUSTIC INSULATION**  
 THERMAL INSULATION BY FACADES CONTACT THERMAL INSULATION SYSTEM  
 CONNECTED THERMALLY INSULATED AND UNINSULATED AREAS WILL BE DONE WITH FINAL SURFACE IN SAME LEVEL  
 FIRE RESISTANT CONCRETE WALLS BETWEEN APARTMENTS AND CORRIDOR WILL BE THERMALLY INSULATED BY GLASS REINFORCED SHEETS 80/80 (RND) 180 x 180 mm - 10K KNAUF W 620  
 WALL OF VENTILATION SHAFT (GARAGE VENTILATION) WITH CONTACT TO PARTNER WILL BE THERMALLY INSULATED BY MINERAL WOOL ORSTECH 054 x 80 mm  
 ACCORDING TECHNICAL PROCEDURE OF MASONRY WILL BE DONE BY MANUFACTURER RESCRIPTION

**FIRE SAFETY**  
 INSTALLATION SHAFTS IN APARTMENTS WILL BE CLOSED WITH CONCRETE IN THE LEVEL OF ADJUSTING REINFORCED CONCRETE SLAB AFTER ALL THE INSTALLATION IS IN PLACE  
 FIRE RESISTANT CONCRETE WALLS BETWEEN APARTMENTS AND CORRIDOR WILL BE THERMALLY INSULATED BY GLASS REINFORCED SHEETS 80/80 (RND) 180 x 180 mm - 10K KNAUF W 620  
 IN STAIRCASE AREA AND MAIN CORRIDORS WILL BE INSTALLED FIRE RESISTANT UNDERCREEP BAR FROM ABOVE - KNAUF D112 - 10R15  
 IN STAIRCASE CORRIDORS HAVE TO COMPLY WITH DESIGNED FIRE RESISTANCE

**DOORS AND TERRACES**  
 DOORS WILL BE EQUIPPED WITH MAINTENANCE SYSTEM AND SYSTEM FOR MAINTENANCE

**UNDERGROUND LEVEL**  
 WALLS IN THE CONTEXT WITH COMMUNICATION WILL BE EQUIPPED WITH UPSTAND  
 INSTALLATION IN UNDERGROUND FLOOR COVERED WITH PLASTER SLOPE  
 IN STAIRCASE AREA AND MAIN CORRIDORS WILL BE INSTALLED FIRE RESISTANT UNDERCREEP BAR FROM ABOVE - KNAUF D112 - 10R15  
 BY DOORS RIGHT NEXT TO COMMUNICATION CONCRETE UPSTAND HEIGHT 80 mm WILL BE MADE

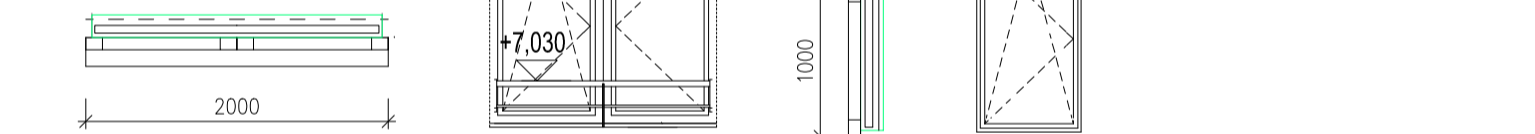
**LEGEND OF MATERIALS**

- MASONRY, REINFORCED CONCRETE**
- REINFORCED CONCRETE C30/37
  - POROTHERM 25 AKU SYM P10, M10
  - POROTHERM 17.5 P+D P10, M2.5 - PARTITIONS
  - POROTHERM 11.5 AKU P10, M2.5 - PARTITIONS

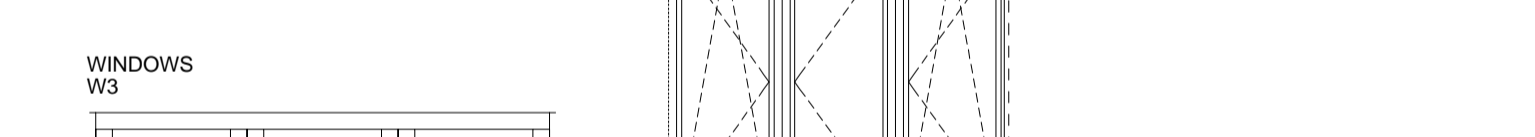
**INSULATIONS**

- THERMAL INSULATION - EXTRUDED POLYSTYRENE
- THERMAL INSULATION - EPS

**WINDOWS W1**



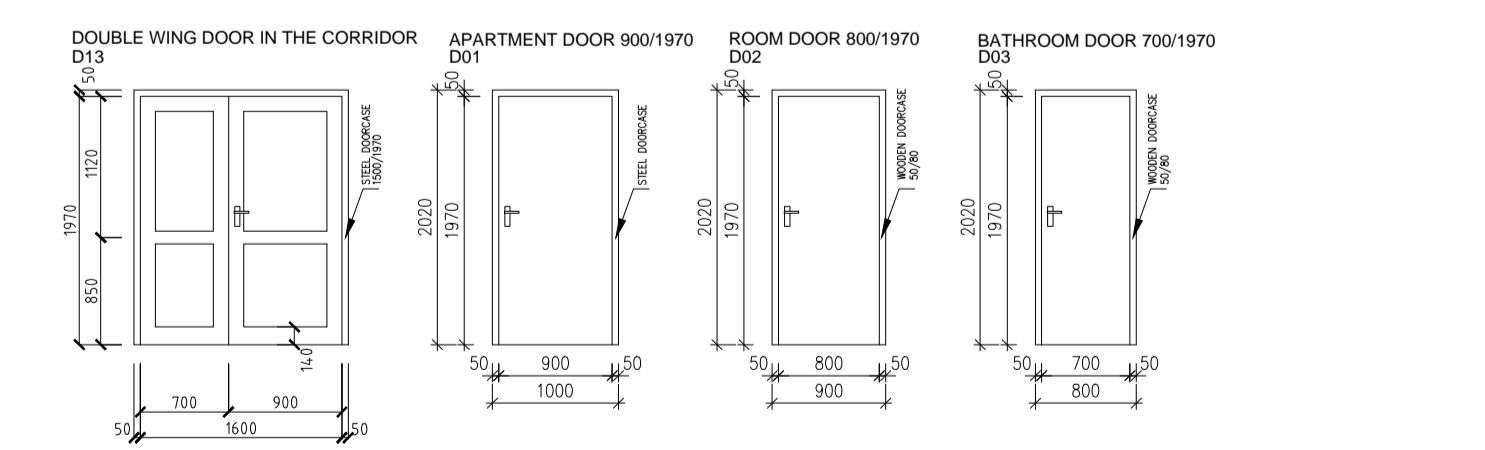
**WINDOWS W2**



**WINDOWS W3**

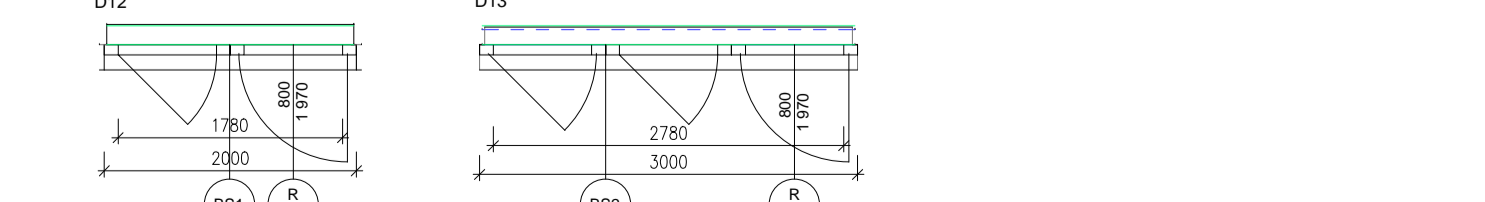


**E : ELECTRICITY AND FIRE SAFETY**



STAIRCASE UL DOOR 700/1970 D04  
 CLEANING ROOM UL DOOR 800/1970 D05  
 BATHROOM UL DOOR 800/1970 D06  
 GARAGE ENTRANCE UL DOOR 900/1970 D07  
 STAIRCASE ENTRANCE UL DOOR 700/1970 D08  
 TECHNICAL ROOM UL DOOR 800/1970 D09

DOORS INSIDE FIRE COMPARTMENT TO STAIRCASES UL 700/1970 D09  
 DOORS TO THE STAIRCASE AREA UL 800/1970 D10  
 ENTRANCE DOUBLE DOOR SET 1800/1970 D11  
 BALCONY DOUBLE DOOR SET 2000/1970 D12  
 BALCONY TRIPLE DOOR SET 3000/1970 D13



BE = BOTTOM EDGE  
 TE = TOP EDGE

±0.000 = +262,450 BpV

**RESIDENTIAL BUILDING**

Czech Technical University

PURPOSE: BACHELOR THESIS - RESIDENTIAL BUILDING

CONSULTED WITH: Ing. Malia Noori, Ph.D. DATE: 05 / 2018

CREATED BY: Malathe Alkhatieb SCALE: 1 : 50

PART: BUILDING STRUCTURE

DRAWING: **2ND FLOOR** Drawing n°: **4.**