

**LEGEND OF ROOMS**

APARTMENT NO.	TYPE	ROOM PURPOSE	AREA (m <sup>2</sup> )	COMPOSITION	FLOORING	WALLS SURFACE	CEILING
033	2HK	01 HALL	5.16	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		02 BATHROOM + TOILET	5.19	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
		03a LIVING ROOM	20.78	H1	WOODEN FLOOR	LIMECEMENT PLASTER	CERAMIC TILES
		03b KITCHEN CORNER	6.83	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		04 ROOM	13.95	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		05 BALCONY	4.20	HS	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
			58.64				
034	2HK	01 HALL	6.31	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		02 BATHROOM + TOILET	6.31	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
		03a LIVING ROOM	20.84	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		03b KITCHEN CORNER	6.47	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		04 ROOM	12.70	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		05 ROOM	13.05	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		06 ROOM	13.00	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		07 BATHROOM AND TOILET	4.08	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		08 TOILET	1.75	H1	CERAMIC TILES	CERAMIC TILES	UNDERCEILING SKP3
		09 STORAGE	3.20	H1	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SKP3
		10 BALCONY	7.80	HS	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SKP3
11 TERRACE	89.05	HS	CONCRETE TILES				
			207.80				
035	4HK	01 HALL	16.85	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		02 BATHROOM + TOILET	4.82	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
		03a LIVING ROOM	31.98	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		03b KITCHEN CORNER	6.47	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		04 ROOM	12.70	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		05 ROOM	13.05	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		06 ROOM	13.00	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
07 BATHROOM AND TOILET	4.08	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER		
08 TOILET	1.75	H1	CERAMIC TILES	CERAMIC TILES	UNDERCEILING SKP3		
09 STORAGE	3.20	H1	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SKP3		
10 BALCONY	7.80	HS	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SKP3		
11 TERRACE	89.05	HS	CONCRETE TILES				
			207.80				
036	2HK	01 HALL	6.72	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		02 BATHROOM + TOILET	6.02	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
		03a LIVING ROOM	23.20	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		03b KITCHEN CORNER	6.47	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		04 ROOM	15.17	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		05 STORAGE	3.22	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		06 BALCONY	7.80	HS	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
07 TERRACE	11.49	HS	CONCRETE TILES				
			74.09				
037	2HK	01 HALL	4.77	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		02 BATHROOM + TOILET	4.00	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
		03a LIVING ROOM	21.31	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		03b KITCHEN CORNER	4.03	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		04 ROOM	15.11	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		05 BALCONY	4.20	HS	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		06 TERRACE	8.26	HS	CONCRETE TILES		
			62.38				
038	4HK	01 HALL	16.85	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		02 BATHROOM + TOILET	4.82	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
		03a LIVING ROOM	31.98	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		03b KITCHEN CORNER	6.47	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		04 ROOM	12.70	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		05 ROOM	13.05	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
		06 ROOM	13.00	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
07 BATHROOM AND TOILET	4.08	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER		
08 TOILET	1.75	H1	CERAMIC TILES	CERAMIC TILES	UNDERCEILING SKP3		
09 STORAGE	3.20	H1	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SKP3		
10 BALCONY	7.80	HS	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SKP3		
11 TERRACE	89.05	HS	CONCRETE TILES				
			207.80				
04		01 CORRIDOR	9.36	H1	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SKP3
		02 STAIRCASE	8.81	H1	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SKP3
		03 CORRIDOR	42.28	H1	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SKP3
			67.78				

**LIST OF LINTELS**

DESCRIPTION	DIMENSION	ANNOTATION	1PP	1AP	2NP	3NP	4NP	5NP	TYPE	ELEMENTS	
POROTHERM 7	2x 70/238/1000	2x PT-7 + EPS 30, di. 1000 mm	1	-	-	-	-	4	-	9ks	10ks
	3x 70/238/1250	3x PT-7 di. 1250 mm	-	23	33	33	33	-	-	119ks	357ks
	2x 70/238/1750	2x PT-7 + EPS 30, di. 1750 mm	-	-	-	-	-	1	-	1ks	2ks
POROTHERM 11.5	115/70/750	PT-11.5 di. 750 mm	3	-	-	-	-	-	-	3ks	3ks
	115/70/1000	PT-11.5 di. 1000 mm	7	-	-	-	-	-	-	7ks	7ks
	115/70/1250	PT-11.5 di. 1250 mm	58	111	117	117	74	-	-	475ks	475ks
	115/70/1500	PT-11.5 di. 1500 mm	4	-	-	-	-	-	-	4ks	4ks
	115/70/1750	PT-11.5 di. 1750 mm	1	-	-	-	-	-	-	1ks	1ks
	115/70/2000	PT-11.5 di. 2000 mm	1	5	5	5	5	-	-	21ks	21ks

**NOTES**

**MASONRY**

WALLS AND PARTITIONS ARE ANNOTATED ON WORKING DIMENSIONS - WITHOUT PLASTER. THE CONTACT OF MASONRY AND REINFORCED CONCRETE INCLUDE SYSTEM ANCHORAGE IN EVERY SECOND LAYER. MASONRY PARTITIONS AROUND COMMUNICATION SHAFTS IN THE APARTMENTS WILL BE FROM PTH-AU 1.15 REINFORCED MASONRY PROFILES WILL BE EQUIPPED IN EVERY CORNER.

**WINDOWS AND DOORS**

CONNECTION POINT OF WINDOWS WILL BE FROM INNER SIDE FROM JAMBUR BARBER BEARING. FROM OUTER SIDE WILL BE COVERED BY CONTACT THERMAL INSULATION INCLUDING DOUBLE GLASS SYSTEM. ANNOTATION OF BALCONY DOORS ARE FOR CONSTRUCTION OPENINGS. CLEAR HEIGHT FOR WOODEN DOORS IS 2000 mm. CLEAR HEIGHT FOR METAL DOORS IS 2050 mm. METAL DOORS SHALL BE EQUIPPED WITH THERMO-BLOCK 13 mm AND 50mm (100mm) INSULATION. HEATING CONVECTORS ARE EQUIPPED BY FRENCH WINDOWS TO THE FLOOR COMPOSITION.

**OPENINGS AND TRANSITIONS**

OPENINGS IN REINFORCED CONCRETE ELEMENTS WITH DIMENSIONS LOWER THAN 100 mm WILL BE DONE ON SITE. OPENINGS AND GROOVES IN PARTITIONS WILL BE DONE ON SITE. TRANSITIONS BETWEEN DIFFERENT TYPES OF FLOORING ARE MADE BY TRANSITION PROFILES.

**BATHROOMS**

BATHS WILL BE COVERED BY GASOLICATE PARTITIONS IN 90 mm. REVISION OPENING - FRAME - FACING WITH MAGNETS CONNECTION BETWEEN BATH AND TUBS WILL BE COVERED WITH PROFILES. PARTITIONS OF REVISION OPENINGS (300x300) IN BATHROOMS ARE 200 mm FROM FLOOR. HANDS ASSESSABLE. USE STAINLESS CORNER TUBS PROFILES BY CORNERS ARE BODIES. HANDING TOILETS WILL BE COVERED BY GASOLICATE ELEMENTS IN 100 mm TALL HEIGHT 1100 mm. TUBS OF BATHROOMS AND TOILETS WILL BE 230 mm HEIGHT.

**FACADES, THERMAL AND ACOUSTIC INSULATION**

THERMAL INSULATION OF FACADES - CONTACT THERMAL INSULATION SYSTEM CONNECTED THERMALLY INSULATED AND UNINSULATED AREAS WILL BE DONE WITH FINAL SURFACE IN SAME LEVEL. UNINSULATED CORNER WALLS IN THE APARTMENTS AND CORRIDOR WILL BE THERMALLY INSULATED BY GLASS FIBER SHEETS (ROCK WOOL) WITH 80 mm + SKD-KNAUF W 63. HALL OF VENTILATION SHAFT (GARAGE VENTILATION) WITH CONTACT TO APARTMENT WILL BE THERMALLY INSULATED BY MINERAL WOOL ORSTECH 684 U. 80 mm. ACOUSTIC TECHNOLOGICAL PROCEDURE OF MASONRY WILL BE DONE BY MANUFACTURER PRESCRIPTION.

**FIRE SAFETY**

INSTALLATION SHAFTS IN APARTMENTS WILL BE CLOSED WITH CONCRETE IN THE LEVEL OF ADJACENT REINFORCED CONCRETE SLAB AFTER ALL THE INSTALLATION IS IN PLACE. FIRE SEALS PROFILES OF SPRINGS FOR INSTALLATION. SEE TECHNICAL REPORT FOR FIRE SAFETY. AN STAIRCASE AREA AND MAIN CORRIDORS WILL BE INSTALLED FIRE RESISTANT UNDERCEILING EDG FROM ABOVE - KNAUF D112-1+HDF 15 mm.

**ROOFS AND TERRACES**

ROOFS WILL BE EQUIPPED WITH ANTIFUNAL SYSTEM AND SYSTEM FOR MAINTENANCE.

**UNDERGROUND LEVEL**

WALLS IN THE CONTACT WITH COMMUNICATION WILL BE EQUIPPED WITH UPSTAND. CONTACT WITH UNDERGROUND LEVEL WILL BE MADE TO THE LEVEL OF 0P - 200 mm UNDER BOTTOM LEVEL OF REINFORCED CONCRETE SLAB (UNDERCEILING). BY DOORS RIGHT NEXT TO COMMUNICATION, CONCRETE UPSTAND OF HEIGHT 80 mm WILL BE MADE.

**LEGEND OF MATERIALS**

**MASONRY, REINFORCED CONCRETE**

- REINFORCED CONCRETE C30/37
- POROTHERM 25 AKU SYM P10, M10
- POROTHERM 19 AKU SYM P10, M10
- POROTHERM 17.5 P-PH, M2.5 - PARTITIONS
- POROTHERM 11.5 AKU P10, M2.5 - PARTITIONS

**INSULATIONS**

- THERMAL INSULATION - EXTRUDED POLYSTYRENE
- THERMAL INSULATION - EPS

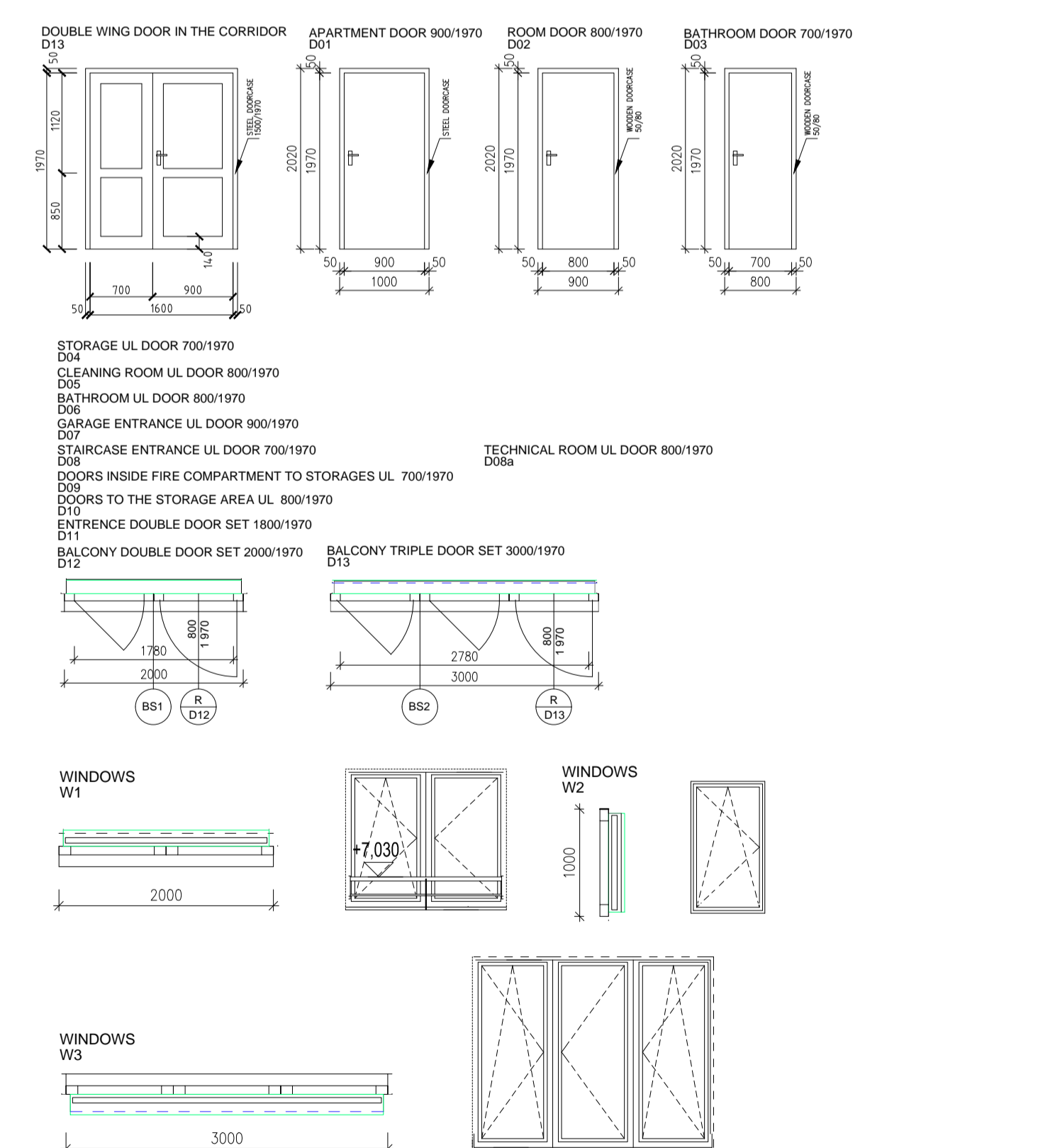
**E : ELECTRICIY AND FIRE SAFETY**

**LADDER**

**RAILINGS**

- R1 - BALCONY RAILING TYPE 1
- R2 - BALCONY RAILING TYPE 2
- R3 - FRENCH WINDOW RAILING
- R4 - STAIRCASE RAILINGS
- R5 - APARTMENT GARDENS RAILING TYPE 1
- R6 - APARTMENT GARDENS RAILING TYPE 2

BE - BOTTOM EDGE  
TE - TOP EDGE



OBJECT: **RESIDENTIAL BUILDING**

PURPOSE: **BACHELOR THESIS - RESIDENTIAL BUILDING**

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

CREATED BY: **Malathe Alkhateeb** SCALE: **1 : 50**

PART: **BUILDING STRUCTURE** No. AL:

DRAWING: **5TH. FLOOR** Drawing No. **6.**

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