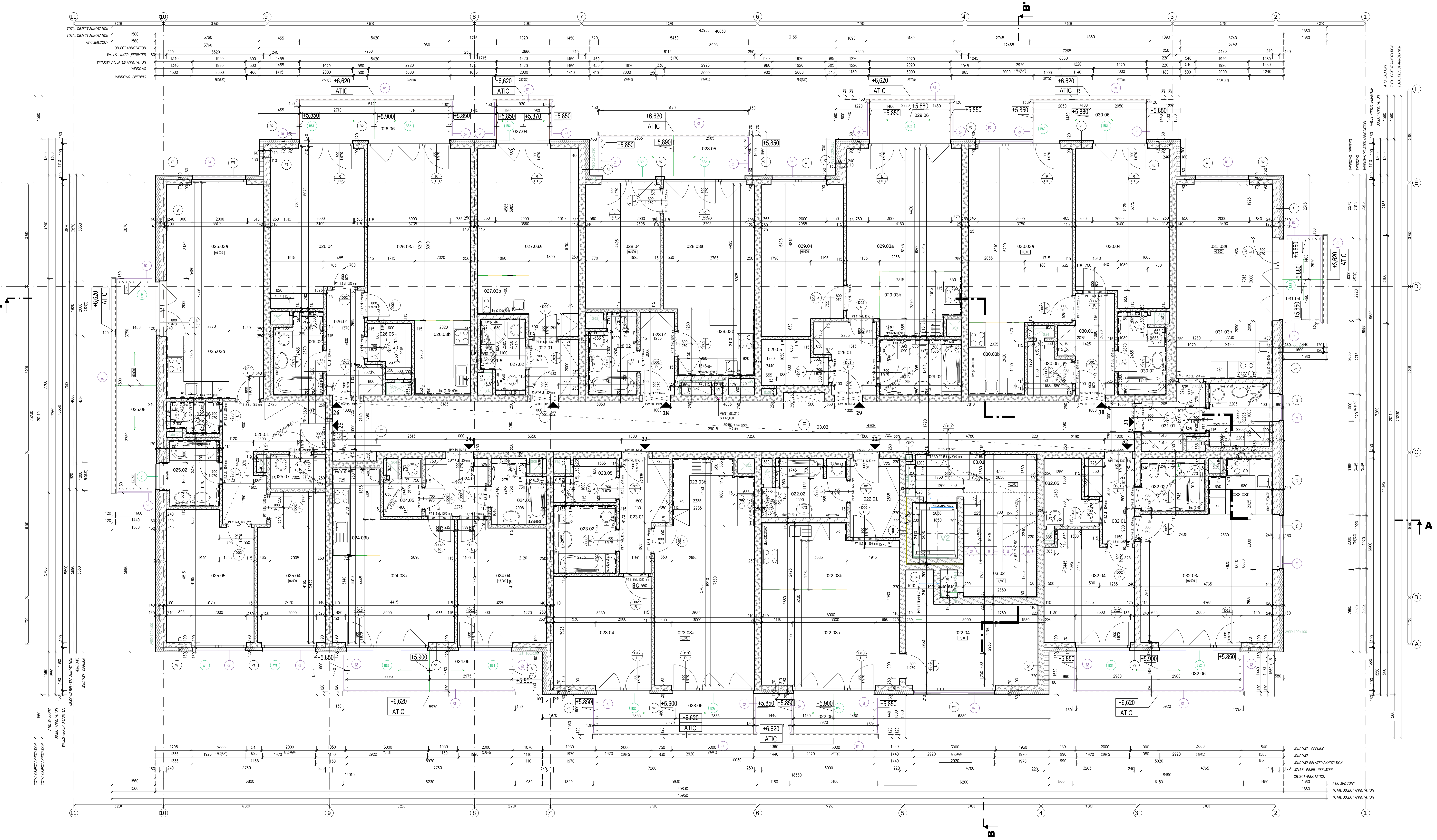
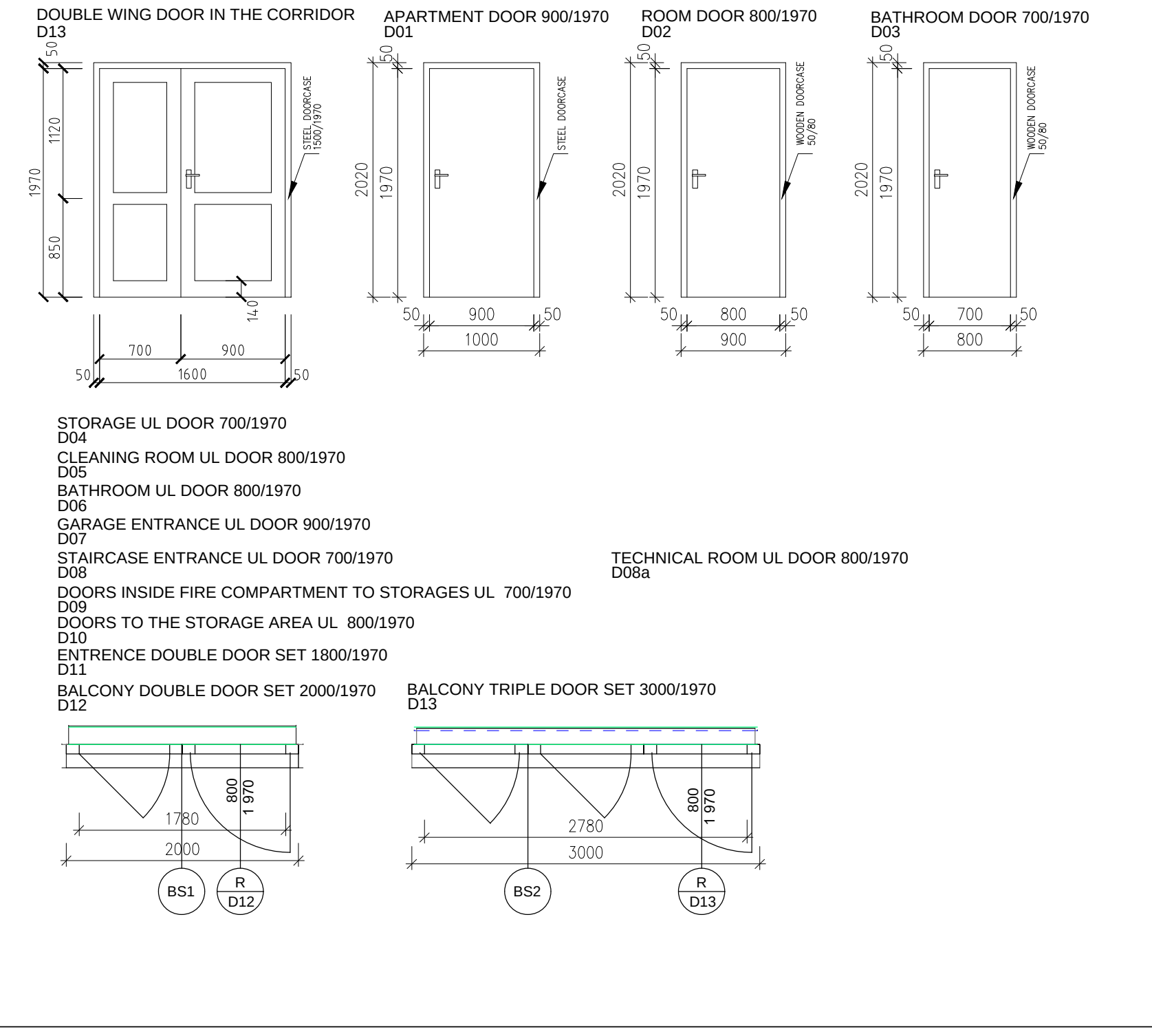


LEGEND OF ROOMS

APARTMENT Nr.	TYPE	ROOM PURPOSE	AREA (m2)	COMPOSITION	FLOORING	WALLS SURFACE	CEILING
022 , 2+KC							
	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	7,55	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	04	ROOM	15,26	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	05	BALCONY	4,20	H5	CERAMIC TILES		
			58,64 m2				
023 , 2+KC							
	01	HALL	6,31	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	02	BATHROOM + TOILET	5,19	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
	03a	LIVING ROOM	20,94	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	03b	KITCHEN CORNER	6,83	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	04	ROOM	13,86	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	05	STORAGE	3,01	H1	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SDKP3
	06	BALCONY	8,16	H5	CERAMIC TILES		
			64,30 m2				
024 , 2+KC							
	01	HALL	4,78	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	02	BATHROOM + TOILET	4,21	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
	03a	LIVING ROOM	17,37	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	03b	KITCHEN CORNER	5,47	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	04	ROOM	13,78	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	05	STORAGE	2,45	H1	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SDKP3
	06	BALCONY	8,60	H5	CERAMIC TILES		
			56,60 m2				
025 , 3+KC							
	01	HALL	10,49	H1	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SDKP3
	02	BATHROOM	4,31	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
	03a	LIVING ROOM	22,23	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	03b	KITCHEN CORNER	5,19	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	04	ROOM	12,83	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	05	ROOM	14,47	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	06	TOILET	2,09	H1	CERAMIC TILES	CERAMIC TILES	UNDERCEILING SDKP3
	07	STORAGE	2,48	H1	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SDKP3
	08	BALCONY	10,80	H5	CERAMIC TILES		
			84,89 m2				
026 , 2+KC							
	01	HALL	5,92	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	02	BATHROOM + TOILET	4,91	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
	03a	LIVING ROOM	23,38	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	03b	KITCHEN CORNER	5,54	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	04	ROOM	18,48	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	05	STORAGE	2,80	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	06	BALCONY	7,80	H5	CERAMIC TILES		
			68,83 m2				
027 , 1+KC							
	01	HALL	3,60	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	02	BATHROOM+TOILET	3,84	H1	CERAMIC TILES	CERAMIC TILES	UNDERCEILING SDKP3
	03a	LIVING ROOM	20,76	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	03b	KYTCHEN CORNER	2,60	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	04	BALCONY	2,76	H5	CERAMIC TILES		
			33,56 m2				
028 , 2+KC							
	01	HALL	3,90	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	02	BATHROOM + TOILET	4,57	H1	CERAMIC TILES	CERAMIC TILES	CERAMIC TILES
	03a	LIVING ROOM	14,81	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	03b	KITCHEN CORNER	6,66	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	04	ROOM	12,25	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	05	BALCONY	7,44	H5	CERAMIC TILES		
			49,63 m2				
029 , 2+KC							
	01	HALL	5,05	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	02	BATHROOM + TOILET	5,66	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
	03a	LIVING ROOM	20,50	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	03b	KITCHEN CORNER	6,55	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	04	ROOM	15,63	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	05	STORAGE	3,60	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	06	BALCONY	4,20	H5	CERAMIC TILES		
			61,19 m2				
03							
	01	CORRIDOR	7,03	H1	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SDKP1
	02	STAIRCASE	8,81	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	03	CORRIDOR	51,94	H1	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SDKP1
			67,78 m2				
030 , 2+KC							
	01	HALL	5,99	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	02	BATHROOM + TOILET	4,73	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
	03a	LIVING ROOM	23,68	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	03b	KITCHEN CORNER	5,37	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	04	ROOM	18,62	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	05	STORAGE	2,70	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	06	BALCONY	5,90	H5	CERAMIC TILES		
			66,99 m2				
031 , 1+KC							
	01	HALL	4,45	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	02	BATHROOM+TOILET	5,06	H1	CERAMIC TILES	CERAMIC TILES	UNDERCEILING SDKP3
	03a	LIVING ROOM	20,03	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	03b	KITCHEN CORNER	4,66	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	04	BALCONY	4,20	H5	CERAMIC TILES		
			38,40 m2				
032 , 2+KC							
	01	HALL	4,47	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	02	BATHROOM + TOILET	4,05	H1	CERAMIC TILES	CERAMIC TILES	LIMECEMENT PLASTER
	03a	LIVING ROOM	20,09	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	03b	KITCHEN CORNER	6,30	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	04	ROOM	12,22	H1	WOODEN FLOOR	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	05	STORAGE	3,93	H1	CERAMIC TILES	LIMECEMENT PLASTER	LIMECEMENT PLASTER
	06	BALCONY	8,52	H5	CERAMIC TILES		
			59,58 m2				
			740,60 m2				



DOUBLE WING DOOR IN THE CORRIDOR
D13

APARTMENT DOOR 900/1970
D01

ROOM DOOR 800/1970
D02

BATHROOM DOOR 700/1970
D03

STORAGE 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
D08a

DOORS INSIDE FIRE COMPARTMENT TO STORAGES UL 700/1970
D09

DOORS TO THE STORAGE AREA UL 800/1970
D10

ENTRENCE DOUBLE DOOR SET 1800/1970
D11

BALCONY DOUBLE DOOR SET 2000/1970
D12

BALCONY TRIPLE DOOR SET 3000/1970
D13

LIST OF LINTELS

DESCRIPTION	DIMENSION	ANNOTATION							TYPES	ELEMENTS
			1.PP	1.NP	2.NP	3.NP	4.NP	STŘ.	Σ[ks]	Σ[ks]
POROTHERM 7	2x 70/238/1000	2x PT-7 + EPS 30, dl. 1000 mm	1	-	-	-	4	-	**5ks**	**10ks**
	3x 70/238/1250	3x PT-7 dl. 1250 mm	-	23	33	33	30	-	**119ks**	**357ks**
	2x 70/238/1750	2x PT-7 + EPS 30, dl. 1750 mm	-	-	-	-	1	-	**1ks**	**2ks**
POROTHERM 11,5	115/70/750	PT-11,5 dl. 750 mm	3	-	-	-	-	-	**3ks**	**3ks**
	115/70/1000	PT-11,5 dl. 1000 mm	7	-	-	-	-	-	**7ks**	**7ks**
	115/70/1250	PT-11,5 dl. 1250 mm	56	111	117	117	74	-	**475ks**	**475ks**
	115/70/1500	PT-11,5 dl. 1500 mm	4	-	-	-	-	-	**4ks**	**4ks**
	115/70/1750	PT-11,5 dl. 1750 mm	1	-	-	-	-	-	**1ks**	**1ks**
	115/70/2000	PT-11,5 dl. 2000 mm	1	5	5	5	5	-	**21ks**	**21ks**

NOTES

MASONRY

-WALLS AND PARTITIONS ARE ANOTATED ON WORKING DIMENSIONS - WITHOUT PLASTERS
-IN 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 - AKU 11,5
-REINFORCED PLASTER PROFILES WILL BE EQUIPPED IN EVERY CORNER

WINDOWS AND DOORS

-CONNECTION JOINT BY WINDOWS WILL BE FROM INNER SIDE FROM VAPOUR BARRIER SEILING, FROM OUTER SIDE WILL BE CLOSED BY CONTACT THERMAL INSULATION BUILDING ENVELOPE SYSTEM ELEMENT
-ANNOTATION OF BALCONY DOORS ARE FOR CONSTRUCTION OPENINGS, CLEAR HEIGHT
-FOR WOODEN DOORCASE IS NEEDED TO WIDEN THE OPENING FOR 50 mm (700/1900 - 800/2020)
-LINTELS OVER OPENINGS IN PARTITIONS WITH THICKNESS 115 mm ARE POROTHERM PTH 11,5 h.71 mm
-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

-BATHES WILL BE CARBED BY GASSYLICATE PARTIOTIONS th. 50 mm, REVISION OPENING - FRAME - FACING WITH MAGNETS
-CONNECTION BETWEEN BATH AND TILING WILL BE COVERED WITH COVER PROFILE
-PARAPETS OF REVISION OPENINGS (300x300) IN BATHROOMS ARE 1200 mm FROM FLOOR
-WHEN ADEQUATE, USE STAINLESS CORNER TILING PROFILES BY CORNERS AND EDGES
-HANGING TOILETS WILL BE CARBED BY GASSYLICATE ELEMENTS th. 150 mm TILL HEIGHT 1120 mm
-TILING OF BATHROOMS AND TOILETS WILL BE 2120 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
-REINFORCED CONCRETE WALLS BETWEEN APARTMENTS AND CORRIDOR WILL BE THERMALY INSULATED BY GLASS FIBER SHEETS ISOVER PIANO TWIN 8/4 th. 40 mm + SDK KNAUF W 623
-WALL OF VENTILATION SHAFT (GARAGE VENTILATION) WITH CONTACT TO APARTMENT WILL BE THERMALLY INSULATED BY MINERAL WOOL ORSTECH 65H, th. 60 mm
-ACOUSTIC TECHNOLOGICAL PROCEDUE OF MASONRY WILL BE DONE BY MANUFACTURER PRESCRIPTION

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 DESIGN PROOFING OF OPENINGS FOR INSTALLATION, SEE TECHNICAL REPORT FOR FIRE SAFETY
-IN STAIRCASE AREA AND MAIN CORRIDORS WILL BE INSTALLED FIRE RESISTANT UNDERCEILING EI30 FROM ABOVE - KNAUF D112 - 1xGKF15
-DOORS INCLUDING DOORCASES HAVE TO COMPLY WITH DESIGNED FIRE RESISTANCE

ROOFS AND TERRACES

-ROOFS WILL BE EQUIPPED WITH ANTIFALLING SYSTEM AND SYSTEM FOR MAINTANANCE

UNDERGROUND LEVEL

-WALLS IN THE CONTACT WITH COMMUNICATION WILL BE EQUIPED WITH UPSTAND
-DILATATION JOINT IN UNDEGROUND FLOOR COVER WITH PLASTIC PLINTH
-STORAGE AREA PARTITIONS WITH th.80 mm, WILL BE MADE TO THE LEVEL OF 150 - 200 mm UNDER BOTTOM LEVEL OF REINFORCED CONCRETE SLAB (UNDERCEILING)
-BY DOORS RIGHT NEXT TO COMMUNICATION, CONCRETE UPSTAND OF HEIGHT 25 mm WILL BE MADE

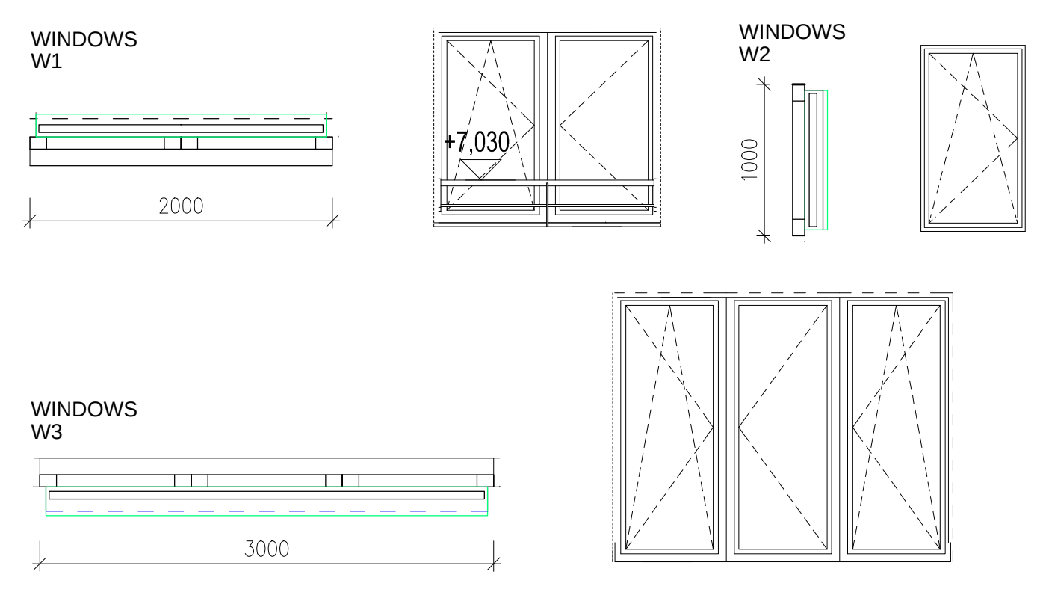
LEGEND OF MATERIALS

MASONRY, REINFORCED CONCRETE

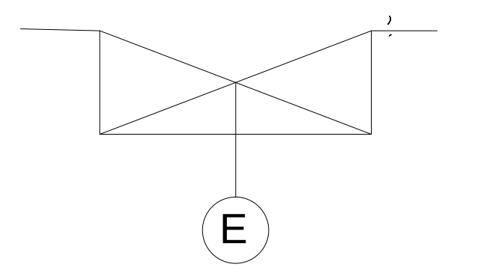
▨	REINFORCED CONCRETE C30/37
▨	POROTHERM 25 AKU SYM P15, M10
▨	POROTHERM 19 AKU SYM P10, M10
▨	POROTHERM 17,5 P+D P8, M2,5 - PARTITIONS
▨	POROTHERM 11,5 AKU P10, M2,5 - PARTITIONS

INSULATINS

▨	THERMAL INSULATION - EXTRUDED POLYSTYRENE
▨	THERMAL INSULATION - EPS



E : ELECTRICIY AND FIRE SAFTEY



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

±0,000 = +262,450 BpV

OBJECT	**RESIDENTIAL BUILDING**	Czech Technical University	
PURPOSE	BACHELOR THESIS - RESIDENTIAL BUILDING		
CONSULTED WITH	Ing. Malila Noori, Ph.D.	date	05 / 2018
CREATED BY	Malathe Alkhateeb	scale	1 : 50
PART	BUILDING STRUCTURE	Nr A4	
DRAWING	**3RD & 4TH. FLOOR**	Drawing nr.	**5.**