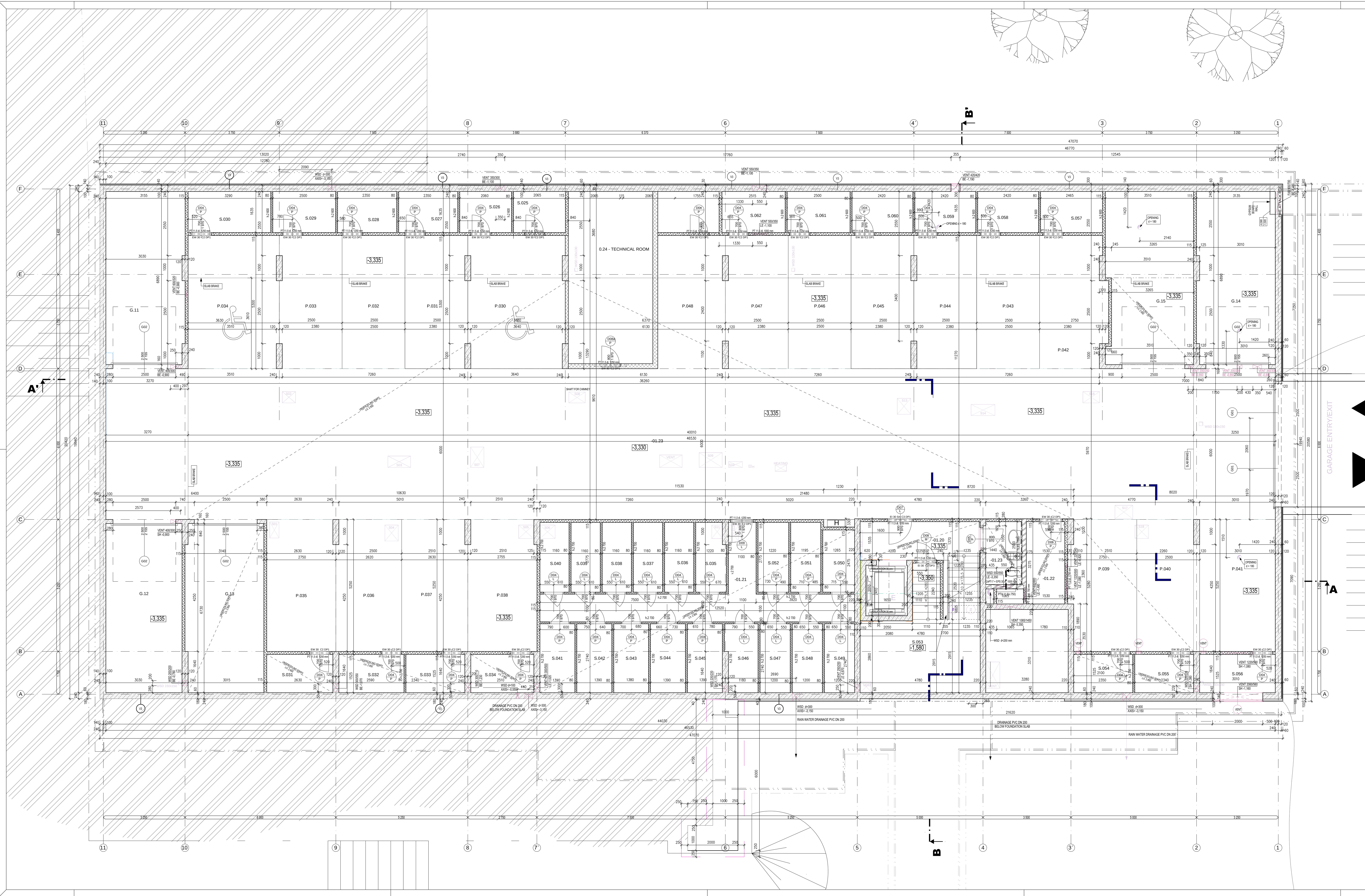

LEGEND OF ROOMS

APARTMENT Nr.	TYPE	ROOM PURPOSE	AREA (m2)	COMPOSITION	FLOORING	WALLS SURFACE	CEILING
01							
	23	CLEANING ROOM	3,60	H3	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SDKP2
01 - COMMON AREAS							
	20	CORRIDOR	7,06	H3	CERAMIC TILES	LIMECEMENT PLASTER	UNDERCEILING SDKP1
	21	CORRIDOR	16,91	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	22	TECHNICAL ROOM	5,01	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	23	COMMUNICATION AREA	324,50	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
			357,08 m2				
G - PARKING AREAS							
	11	GARAGE PLACE	21,50	H4	PALETTE KNIFE	LIMECEMENT PLASTER	PAINT
	12	GARAGE PLACE	20,39	H4	PALETTE KNIFE	LIMECEMENT PLASTER	PAINT
	13	GARAGE PLACE	20,82	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	14	GARAGE PLACE	21,37	H4	PALETTE KNIFE	LIMECEMENT PLASTER	PAINT
	15	GARAGE PLACE	23,50	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
			107,60 m2				
P - PARKING AREAS							
	030	PARKING PLACE	20,08	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	031	PARKING PLACE	13,01	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	032	PARKING PLACE	13,25	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	033	PARKING PLACE	13,01	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	034	PARKING PLACE	19,00	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	035	PARKING PLACE	14,32	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	036	PARKING PLACE	13,64	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	037	PARKING PLACE	13,69	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	038	PARKING PLACE	14,22	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	039	PARKING PLACE	13,74	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	040	PARKING PLACE	12,89	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	041	PARKING PLACE	15,80	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	042	PARKING PLACE	13,64	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	043	PARKING PLACE	13,25	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	044	PARKING PLACE	13,00	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	045	PARKING PLACE	13,00	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	046	PARKING PLACE	13,25	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	047	PARKING PLACE	13,00	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
S							
	025	STORAGE ROOM	3,38	H3	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	026	STORAGE ROOM	3,37	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	027	STORAGE ROOM	3,84	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	028	STORAGE ROOM	3,84	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	029	STORAGE ROOM	4,09	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	030	STORAGE ROOM	5,38	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	031	STORAGE ROOM	4,01	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	032	STORAGE ROOM	3,95	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	033	STORAGE ROOM	3,57	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	034	STORAGE ROOM	3,83	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	035	STORAGE ROOM	3,24	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	036	STORAGE ROOM	3,22	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	037	STORAGE ROOM	3,22	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	038	STORAGE ROOM	3,22	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	039	STORAGE ROOM	3,22	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	040	STORAGE ROOM	3,22	H3	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	041	STORAGE ROOM	3,81	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	042	STORAGE ROOM	3,81	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	043	STORAGE ROOM	3,78	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	044	STORAGE ROOM	3,81	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	045	STORAGE ROOM	3,81	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	046	STORAGE ROOM	3,41	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	047	STORAGE ROOM	3,29	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	048	STORAGE ROOM	3,29	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	049	STORAGE ROOM	3,29	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	049	STORAGE ROOM	3,13	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	050	STORAGE ROOM	3,32	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	051	STORAGE ROOM	3,39	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	052	STORAGE ROOM	6,63	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	053	STORAGE ROOM	3,58	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	054	STORAGE ROOM	3,57	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	055	STORAGE ROOM	4,59	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	056	STORAGE ROOM	4,03	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	057	STORAGE ROOM	3,96	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	058	STORAGE ROOM	3,96	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	059	STORAGE ROOM	3,96	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	060	STORAGE ROOM	3,96	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	061	STORAGE ROOM	4,09	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
	062	STORAGE ROOM	4,11	H4	PALETTE KNIFE	LIMECEMENT PLASTER	UNDERCEILING SDKP2
			155,22 m2				
			875,69 m2				

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

LIST OF LINTELS

DESCRIPTION	DIMENSION	ANNOTATION	1.PP	1.NP	2.NP	3.NP	4.NP	STR.	TYPES Σ[ks]	ELEMENTS 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

GARAGE DOOR
G01 - ENTRANCE GATE
G02 - GATE TO INDIVIDUAL PARKING SPACES

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	**UNDERGROUND FLOOR**	Drawing nr.	**2.**