

BUILDING CONSTRUCTIONS 2.		FOUNDATIONS AND WATERPROOFINGS TASK SHEET	2
 BME Faculty Of Architecture Department Of Building Constructions		Lecturer: Dr. Takács Lajos Gábor Assistants: Keve Kund, Bándi, Bence, Jankus Kata, Toldi Semester: 2019/2020 I.	
Name:		Consultant:	

I. Design data of the building and the basement		For offered mark
1. Adjoining surface	a) horizontal b) inclined	other
2. Building	a) freestanding	other
3. Material of the basement wall	a) calcium silicate b) hollow concrete blocks with concrete infill and reinforcement c) monolithic reinforced concrete	-
4. Basement	a) full b) partial c) one room deeper than the others	multiple level differences
5. Thermal insulation requirements	a) heated b) non-heated c) partly heated	f.i. low-energy or nearly zero energy building
6. Doors and windows	a) light shaft b) basement window	f.i. doorstep
7. Material of the waterproofing	a) bituminous sheet b) self- adhesive bituminous sheet c) liquid waterproofing (coating) d) PVC membrane e) liquid waterproofing (mortar)	other (mass of concrete, bentonit, stb)
II. Soil data		For offered mark
8. Level of loadbearing soil [m]	a) -0,50 b) -1,00 c) -1,50 d) -2,00	loadbearing soil under -4-5,00 m
9. Stress limit of loadbearing soil (σ_d)	a) 200 b) 250 c) 300	f.i. weak subsoil
10. Subsoil water exposure type	a) subsoil humidity b) seepage flow and drain c) subsoil water	f.i. high design water table
III. Details		For offered mark
11. Obligatory details (min. 3)	a) foundation of external loadbearing wall b) foundation of internal loadbearing wall c) footing (with basement) d) footing (no basement) e) foundation of a stair flight f) floor level difference g) window (basement window or light shaft) h) garage ramp footing i) garage door threshold	others - light shaft in subsoil water - expansion joint with waterproofing - car ramp in subsoil water - pipe penetration in subsoil water - elevator pit - other
12. Elective details (min. 3)	a) doorstep b) pipe penetration c) retaining wall of the car ramp and footing d) footing of the external doorstep e) foundation with adjoining neighbouring building f) waterproofing with adjoining neighbouring building g) other	

Name	1	2	3	4	5	6	7	8	9	10	Name	1	2	3	4	5	6	7	8	9	10
1	a	a	a	c	b	b	e	a	b	a	13	a	a	a	c	b	b	b	a	b	a
2	b	b	b	b	c	a	c	b	c	b	14	b	b	b	b	c	a	a	b	c	b
3	a	c	c	a	a	b	b	c	a	c	15	a	c	c	a	a	b	b	c	a	c
4	b	a	a	c	b	a	a	d	b	a	16	b	a	a	c	b	a	c	d	b	a
5	a	b	b	b	c	b	e	a	c	b	17	a	b	b	b	c	b	e	a	c	b
6	b	c	c	a	a	a	d	b	a	c	18	b	c	c	a	a	a	d	b	a	c
7	a	a	a	c	b	b	c	c	b	a	19	a	a	a	c	b	b	a	c	b	a
8	b	b	b	b	c	a	b	d	c	b	20	b	b	b	b	c	a	b	d	c	b
9	a	c	c	a	a	b	a	a	a	c	21	a	c	c	a	a	b	c	a	a	c
10	b	a	a	c	b	a	e	b	b	a	22	b	a	a	c	b	a	e	b	b	a
11	a	b	b	b	c	b	c	c	c	b	23	a	b	b	b	c	b	b	c	c	b
12	b	c	c	a	a	a	d	d	a	c	24	b	c	c	a	a	a	d	d	a	c