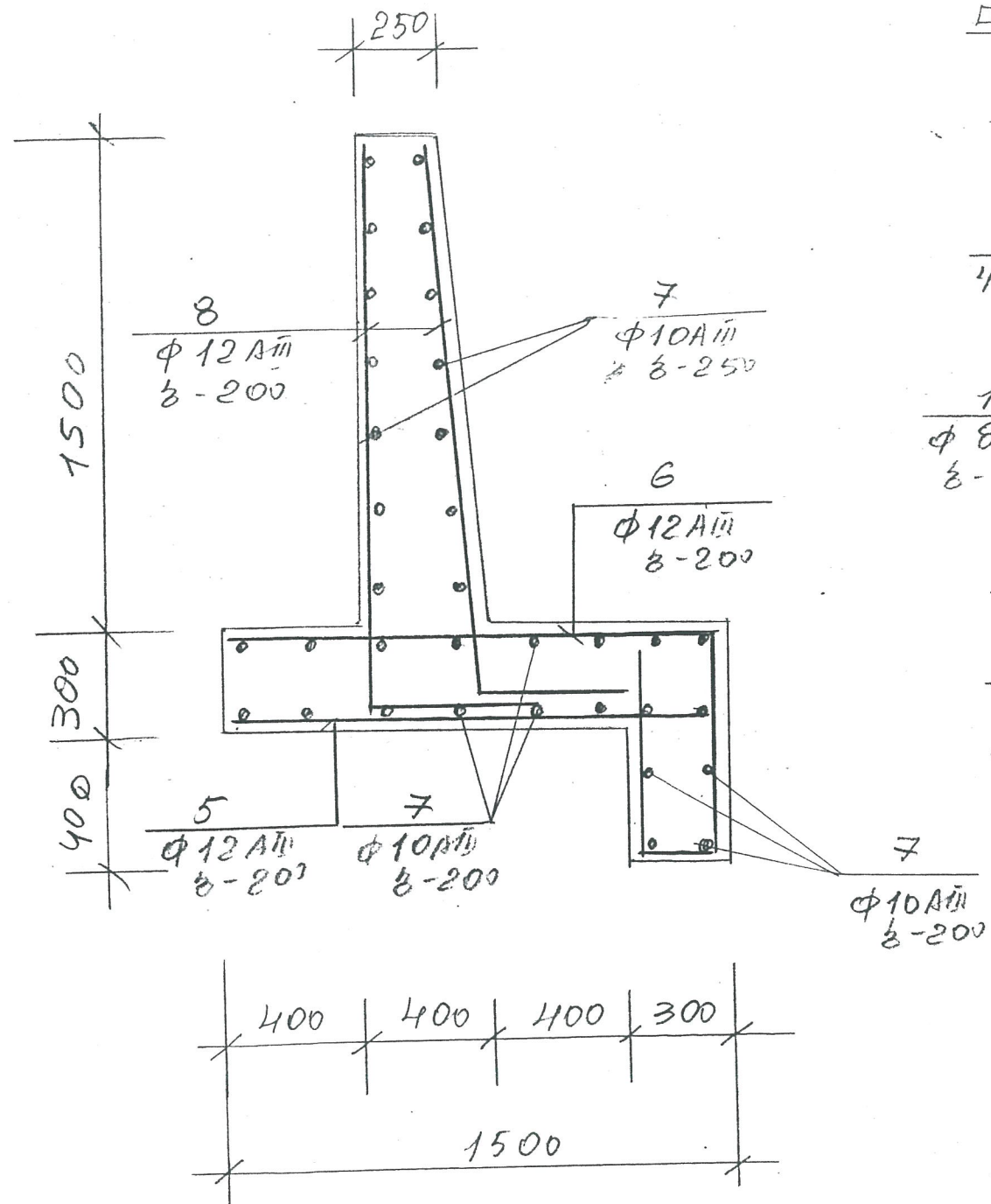
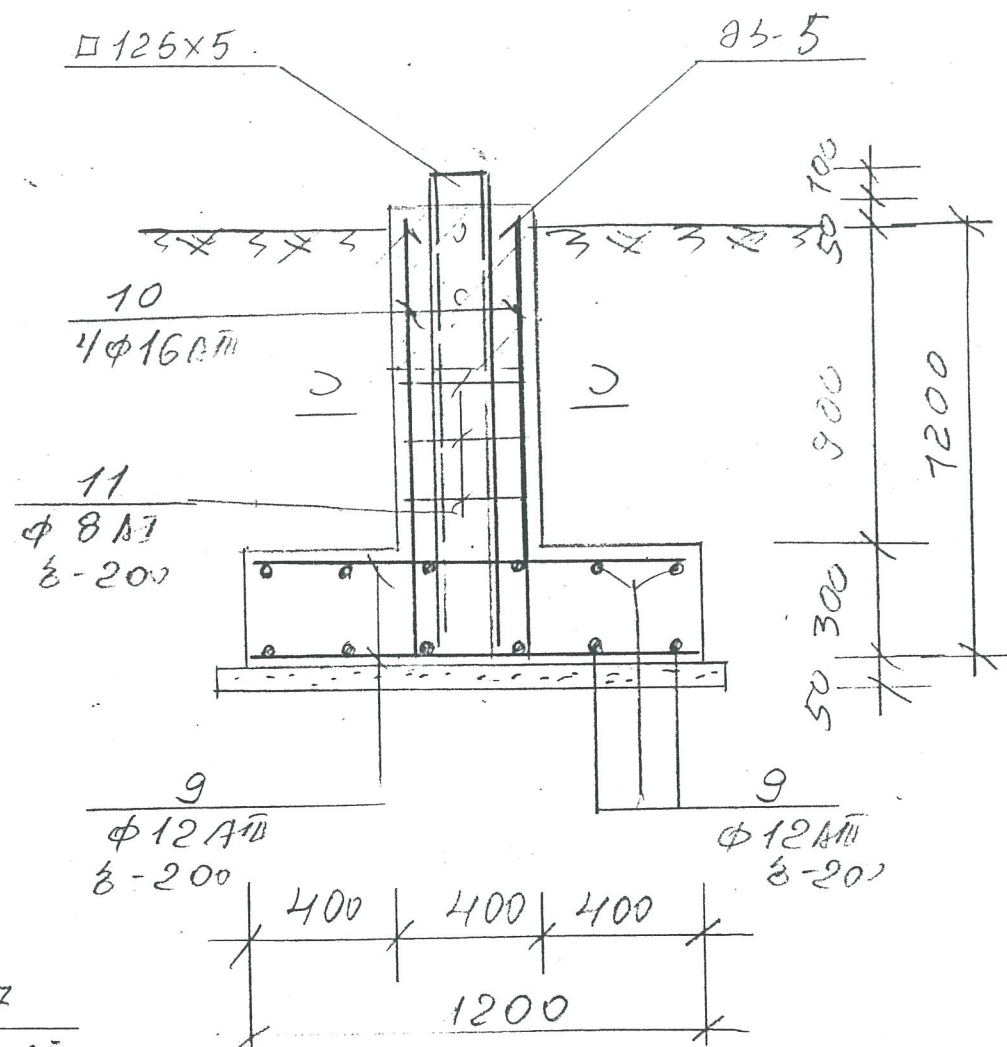


Hand-drawn structural floor plan of a building. The plan shows a rectangular layout with a grid of columns and beams. Columns are labeled with circled numbers 1 through 9. Beams are labeled with circled letters A through D. The plan includes dimensions for columns (e.g., 500x500, 600x600) and beams (e.g., 300x200, 400x200). Reinforcement details are shown for various beams, including top and bottom bars with diameters and spacing (e.g., 3-1, 3-2, 3-10, 3-12). The plan also shows a staircase area on the right side. The overall dimensions of the building are 6750x6500.

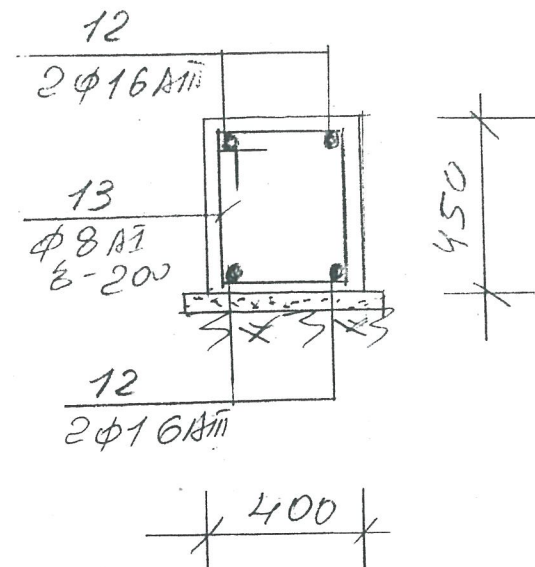
Q-1



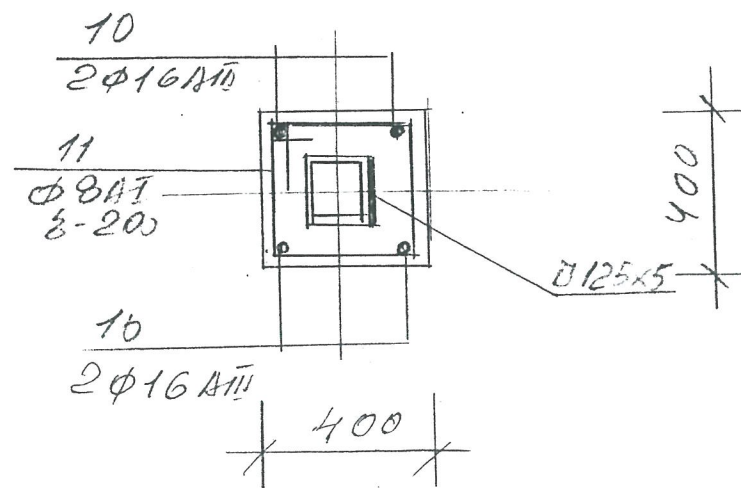
Q-2

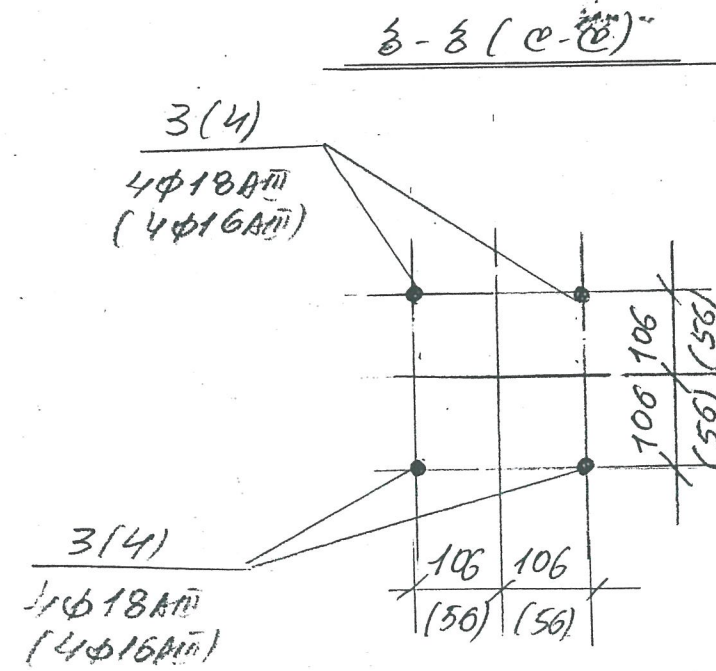
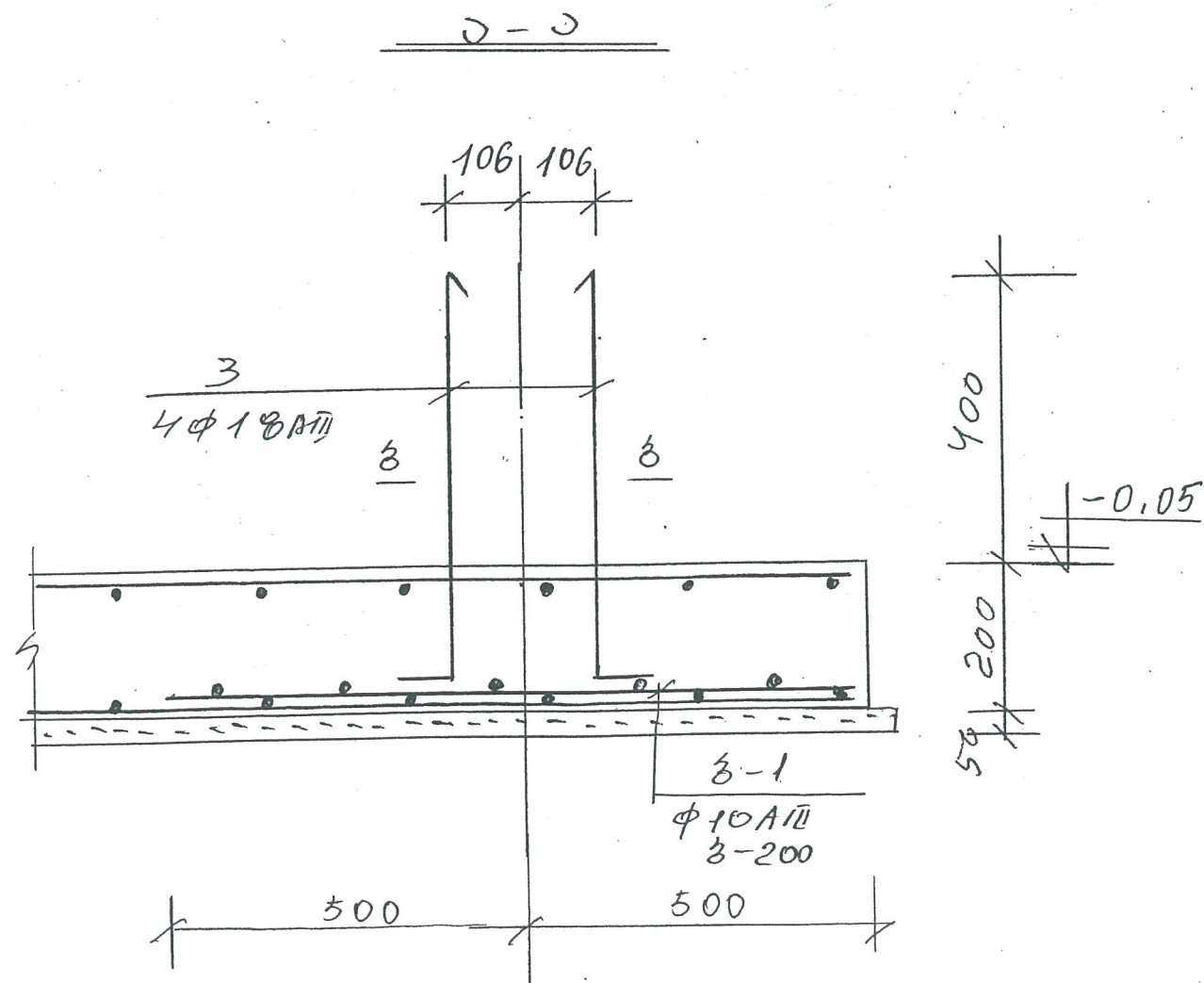
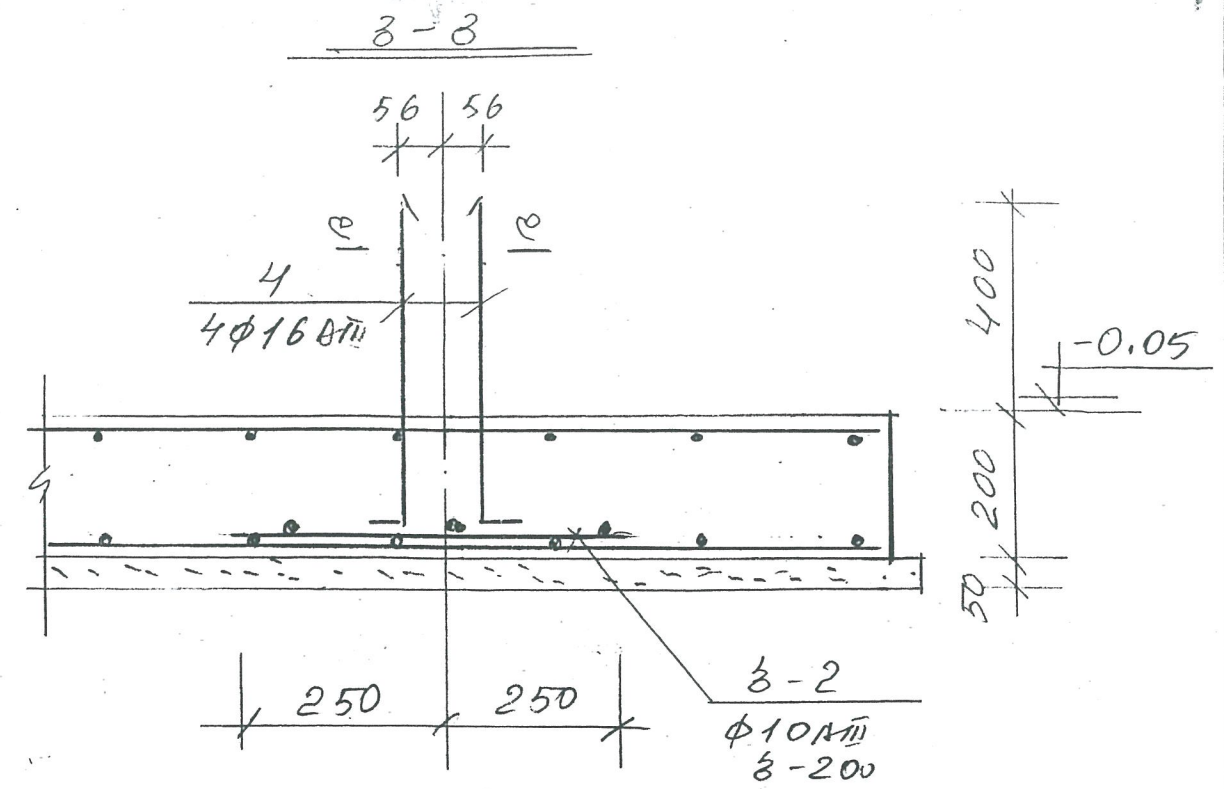
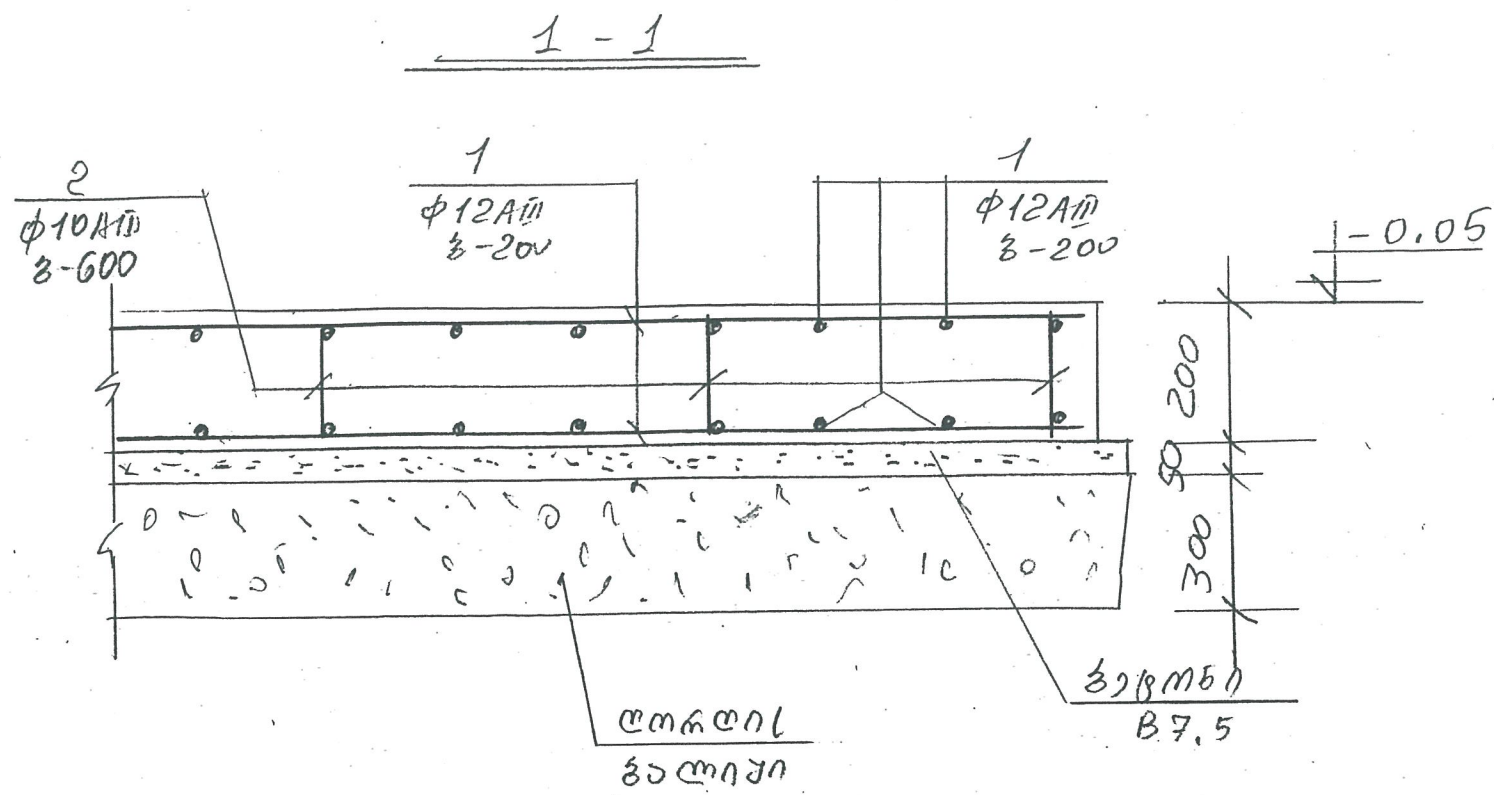


25-5

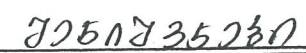


Q-3



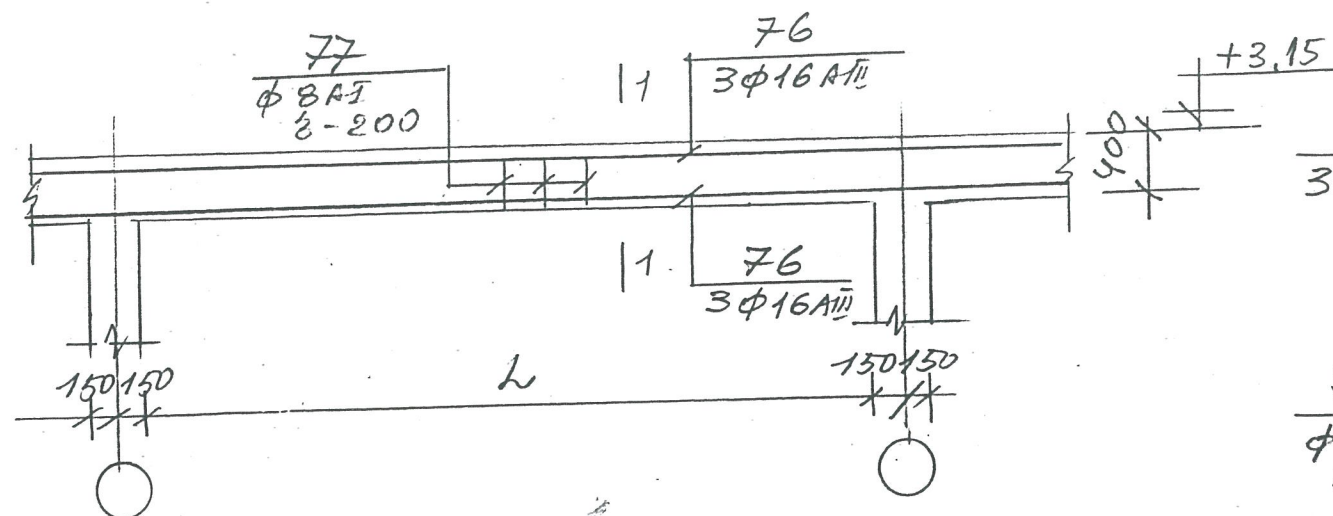


$+3.15$

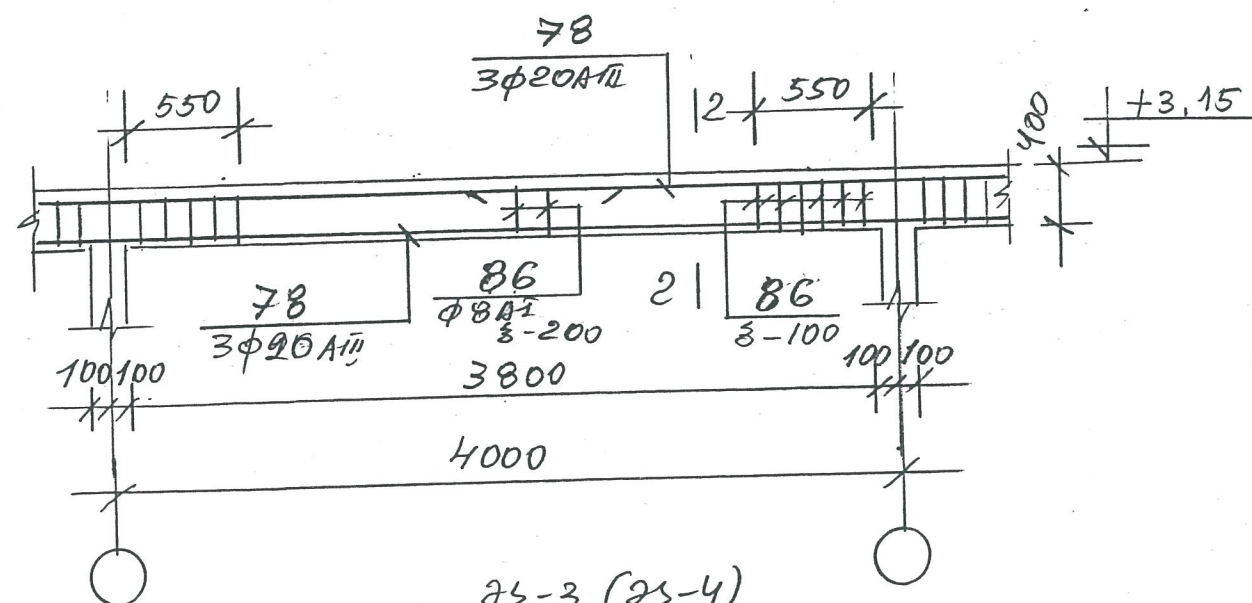


1. ԿԿԵԺՆԱԴՈՒ ԵՍԻՅՉԵՂՁՈՐ ՁՄԵ. Ռ/ ԶՊԾՈՏՈՂ
ԾՈՇՈՆԸ ԶՊԾՈ ԶՄԵՈՂ ՏՈՉՏԵԿՈՑ

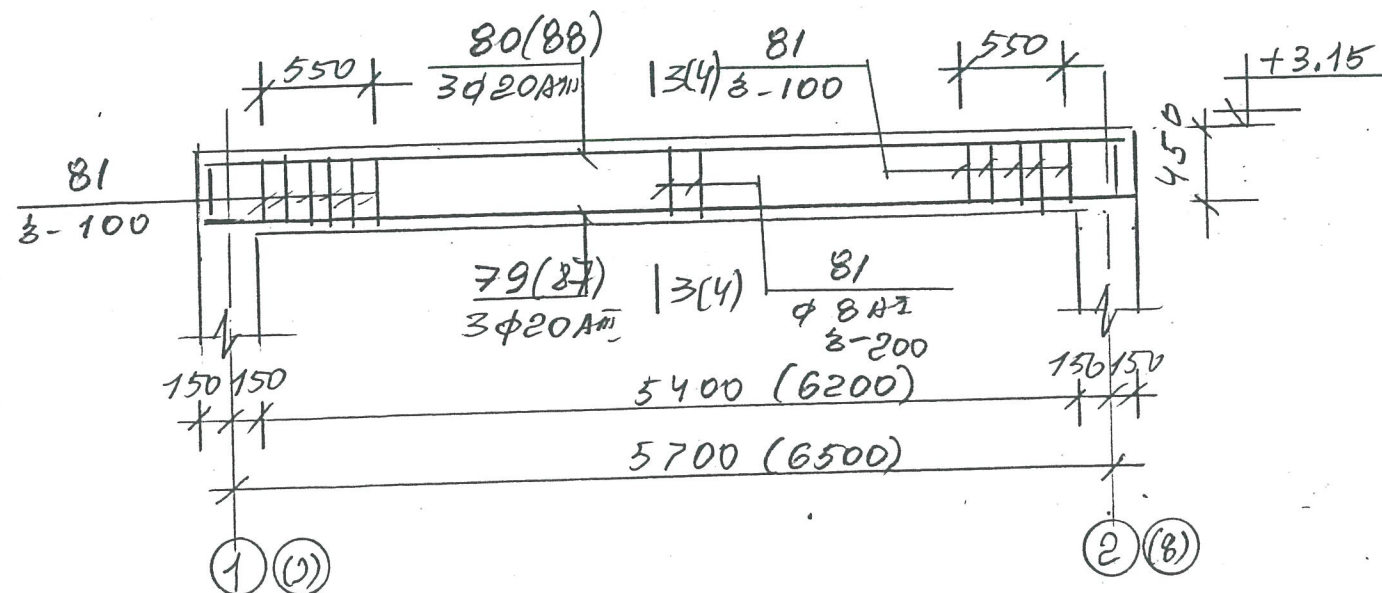
25-1 სანთარბოლი მანქანების



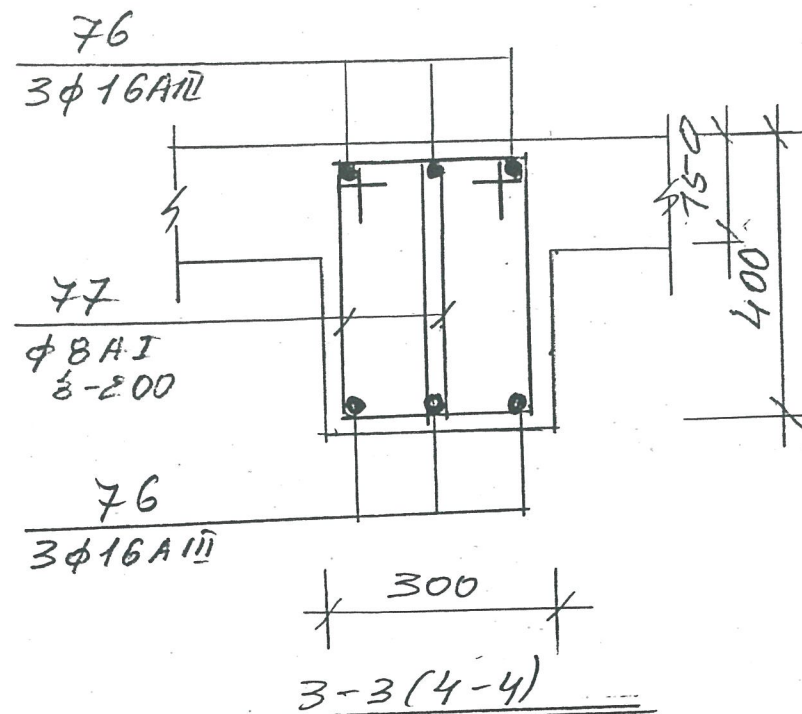
25-2



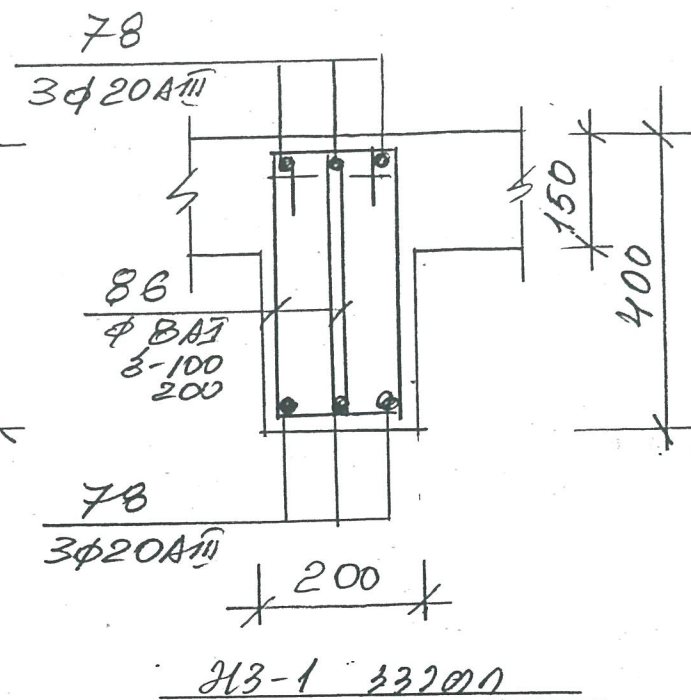
25-3 (25-4)



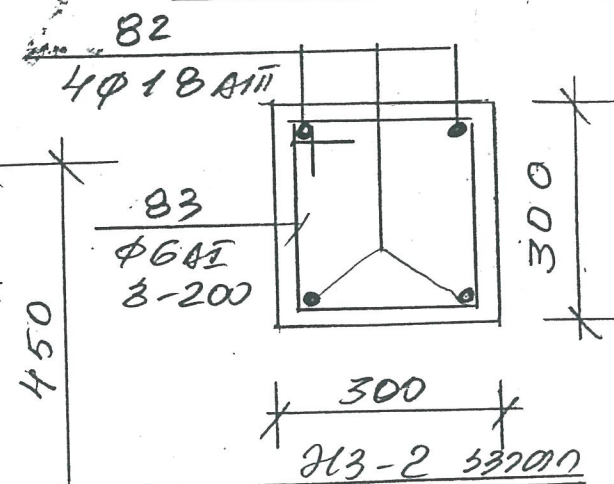
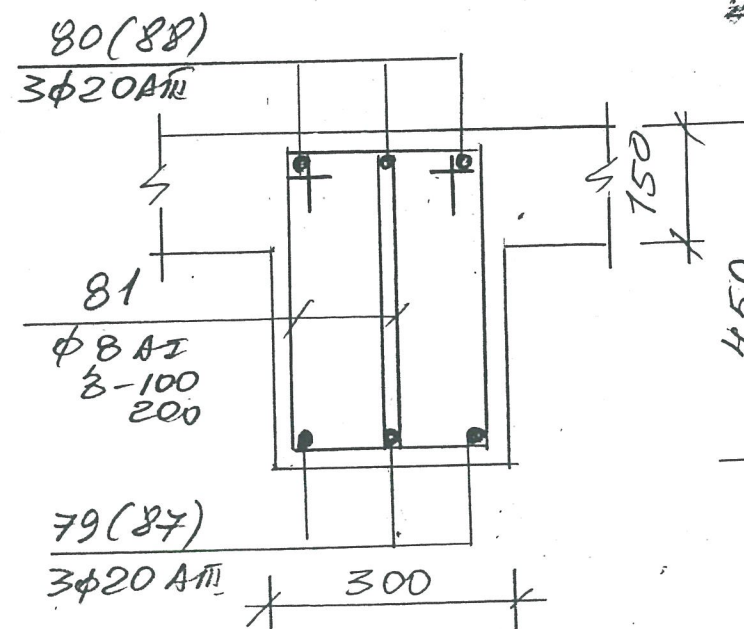
1-1



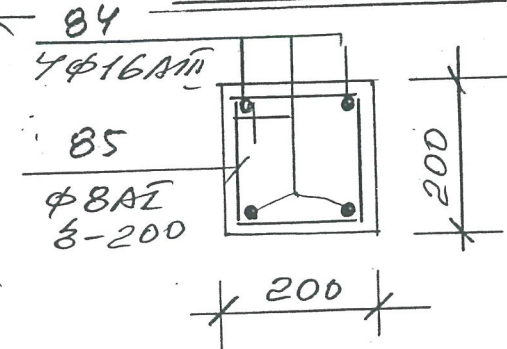
2-2



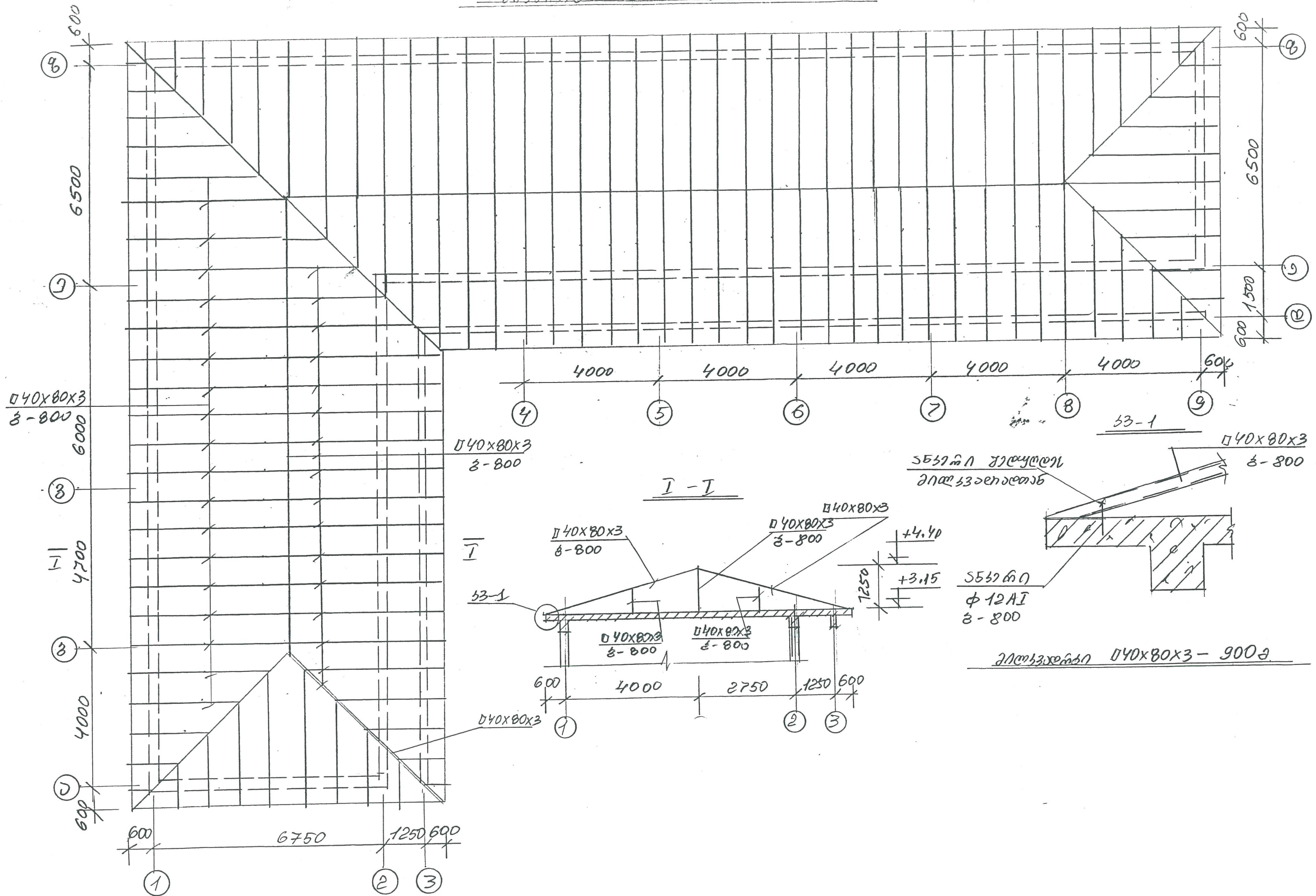
25-1 სანთარბოლი



25-2 სანთარბოლი



8036122801 855ms87301 32225



შპს/სპო შპს/სპო	შპს/სპო შპს/სპო						შპს/სპო შპს/სპო			შპს/სპო შპს/სპო
	N ^o შპს/სპო	შპს/სპო	Φ შპს/სპო	ℓ შპს/სპო	n შპს/სპო	nℓ შპს/სპო	Φ შპს/სპო	ℓ შპს/სპო	შპს/სპო	
23-5 (12h.8)	12	1000	16mm	1000	4	4.0	16mm	1000	6.3	0.18 "B20"
	13	400 350	8mm	1650	6	9.9	8mm	9.9	3.9	
								140	10.2	
25-1 e-1050	76	1000	16mm	—	—	700	16mm	700	1104.6	12.6 "B20"
	77	350 135	8mm	1120	1050	1176	8mm	1176	464.5	
								140	1569.10	
25-2 e-362	78	1000	20mm	—	—	250	20mm	250	616.5	2.9 "B20"
	86	350 85	8mm	1020	480	489.6	8mm	489.6	193.4	
								140	809.9	
25-3 (20)	79	6000	20mm	6000	6	36	20mm	76.8	189.3	0.73x2 =1.46 "B20"
	80	400 6000 400	20mm	6800	6	40.8	8mm	175.7	69.40	
	81	400 135	8mm	1220	144	175.7		140	258.7	
25-4	87	6800	20mm	6800	3	20.4	20mm	43.2	106.53	0.85 "B20"
	88	400 6800 400	20mm	7600	3	22.8	8mm	102.5	40.5	
	81	400 135	8mm	1220	84	102.5		140	147.03	
213-1 (260)	82	3000	18mm	3000	104	312	16mm	312	492.33	0.27x26 =7.1 "B20"
	83	250 120	6mm	1150	390	448.5	6mm	448.5	98.67	
								140	591	
213-2 (105)	84	3000	16mm	3000	40	120	16mm	120	189.36	0.12x10 =1.2 "B20"
	85	150 150	8mm	750	150	112.5	8mm	112.5	44.43	
								140	233.8	
216. n/3 შპს/სპო	1	1000	12mm	—	—	11000	12mm	11000	9680	82 "B20"
	2	180	10mm	180	800	144	10mm	144	88.8	
	3	104 400	18mm	500	104	52	18mm	52	103.5	
	4	100 400	16mm	500	40	20	16mm	20	31.56	
3-1	—	1000	10mm	1000	312	312	10mm	312	192.5	—
3-2	—	500	10mm	500	60	30	10mm	30	18.50	—
2-1 (18h.8)	5	1450	12mm	1450	6	8.7	12mm	10.2	35.37	1.1 "B20"
	6	1450 650	12mm	3000	6	18	10mm	34.0	20.97	
	7	1000	10mm	1000	34	34.0				
	8	1750 1500	12mm	2250	6	13.5		140	56.34	
2-2 (15)	9	1150	12mm	1150	28	32.2	16mm	5.2	8.20	0.6 "B20"
	10	104 1200	16mm	1300	4	5.2	12mm	32.2	28.33	
	11	350 350	8mm	1350	3	4.65	8mm	4.65	1.85	

216. n/3, 216. n/3
1 2h/2 - 3h