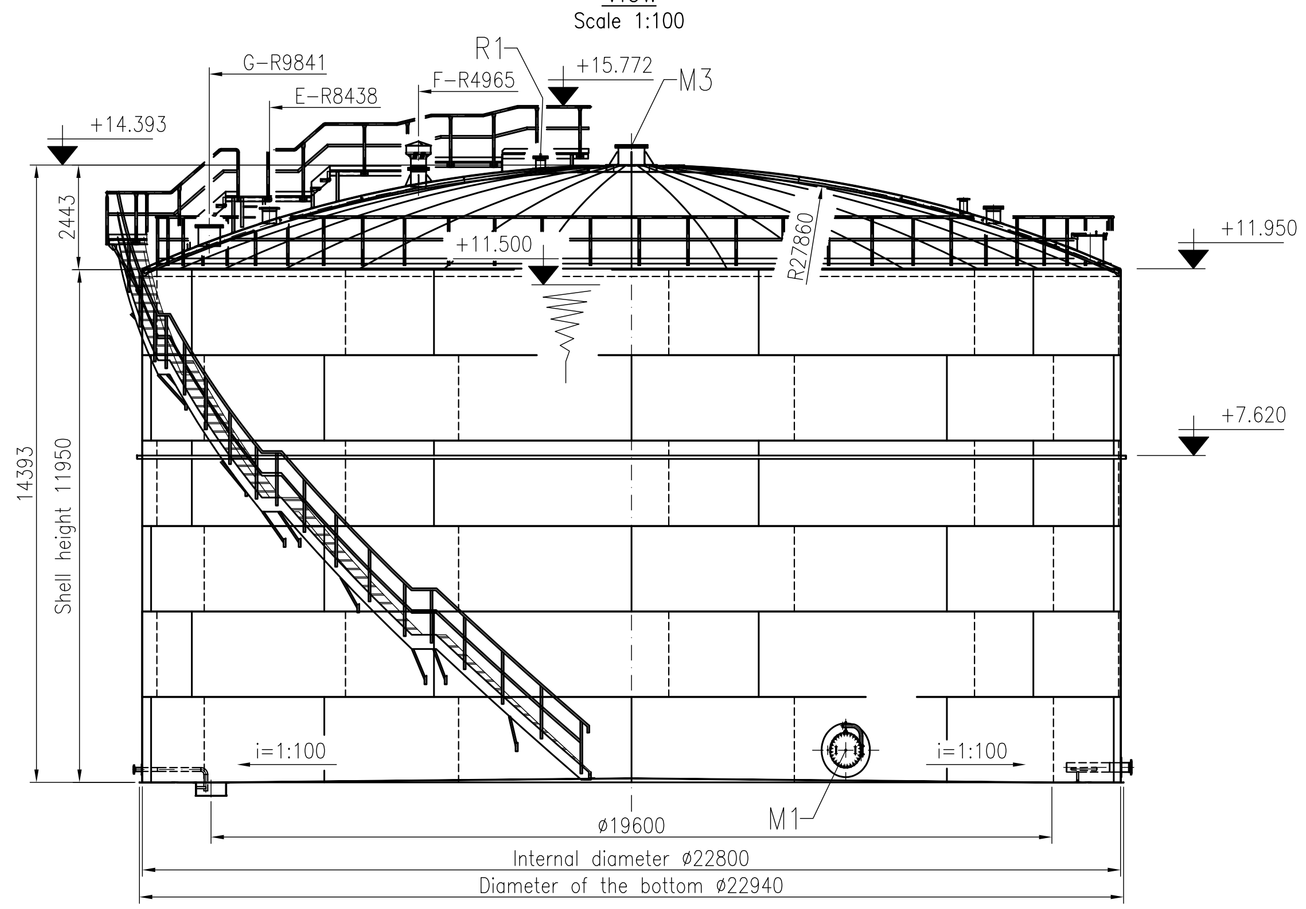
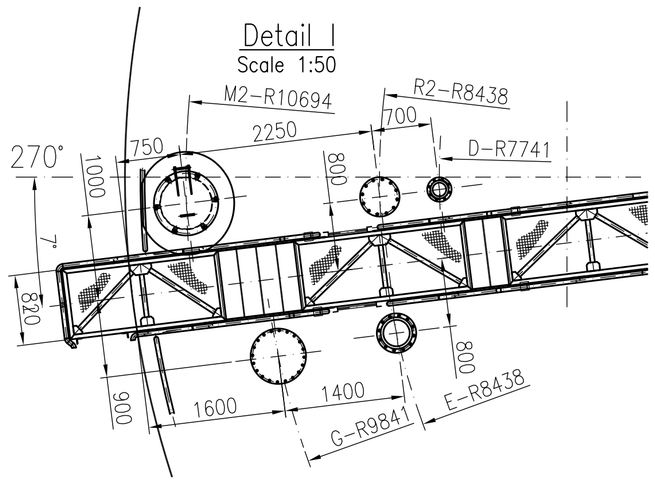
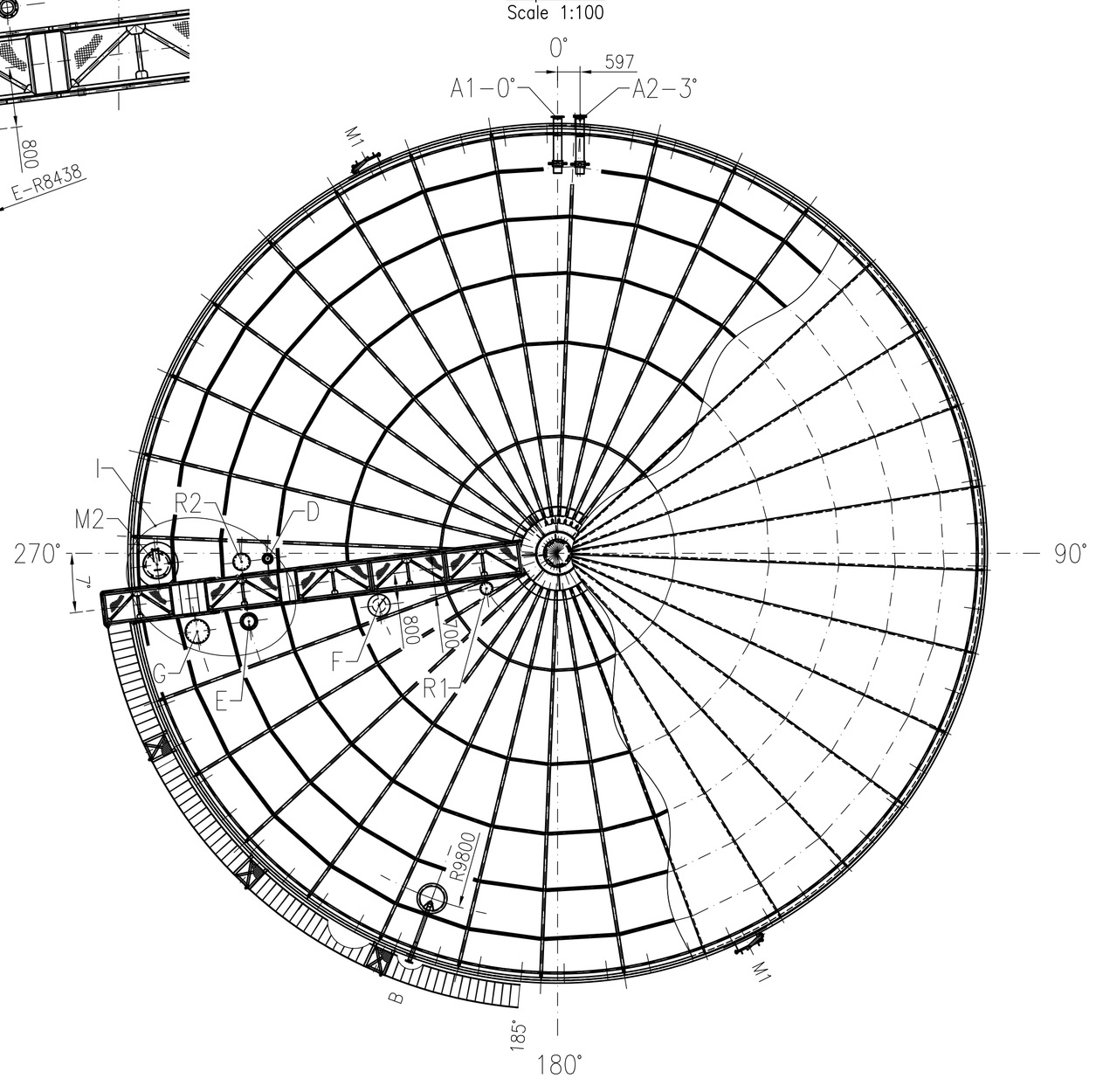
View
Scale 1:100



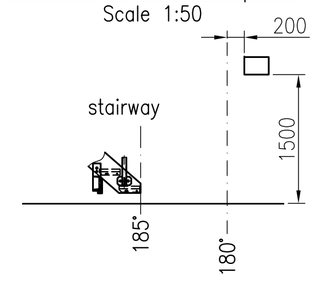
Detail I
Scale 1:50



Top view
Scale 1:100



Position of nameplate
Scale 1:50

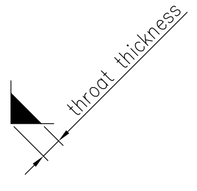


Data about tank

Standard for design:	БДС EN 14015:2005	
Nominal capacity:	4700	[m]^3
Working capacity:	4530	[m]^3
Type of product:	БЕНЗИН	
Diameter of the shell:	22 800	[mm]
Height of shell:	11 950	[mm]
Max. level of liquid:	11 500	[mm]
Max. level of water during hydrotest:	11 900	[mm]
Specific weight of product:	0,82	[t/m^3]
Wind load:	0,5	[kN/m^2]
Snow load:	1,5	[kN/m^2]
Internal pressure:	10	[mbar]
Negative pressure:	5	[mbar]
Specific weight of water:	1,00	[t/m^3]
Working temperature:	-	[°C]
Design temperature MIN / MAX:	-20 / +70	[°C]

LIST OF MANHOLES AND NOZZLES

№	Pcs.	Description	Type of flange	Height from bottom	Orientat.	Position
M1	2	Shell manhole	DN 600			shell
M2	1	Roof manhole	DN 600			roof
M3	1	Roof manhole	DN 600 PN6 EN 1092-1 плосък + "глух"	in middle		roof
A1	1	Inlet / Outlet nozzle	DN 200 PN16 EN 1092-1 butt welded			shell
A2	1	Inlet / Outlet spare nozzle	DN 200 PN16 EN 1092-1 butt welded			shell
B	1	Drawoff sump nozzle	DN 80 PN16 EN 1092-1 butt welded			shell
D	1	Flame arrestor nozzle	DN 150 PN16 EN 1092-1 butt welded			roof
E	1	Flame arrestor nozzle	DN 300 PN16 EN 1092-1 butt welded			roof
F	1	Roof vent	DN 350 PN6 EN 1092-1 butt welded			roof
G	1	Level measurement nozzle	DN 500 PN6 EN 1092-1 плосък + "глух"			roof
R1	1	Spare nozzle	DN 200 PN16 EN 1092-1 butt welded			roof
R2	1	Spare nozzle	DN 300 PN16 EN 1092-1 butt welded			roof



Remarks:
1. All dimensions without specially noted are in [mm].
2. Used steels - according to БДС EN 10025.
3. Prefabrication and erection of steel structure - according to БДС EN 14015:2005.
4. Welds - according to БДС EN 22553.
5. Control of welds - according to БДС EN 14015:2005.
6. All butt welds should be done with full penetration and fusion. They are on 100 % controlled.

University of Architecture, Civil Engineering and Geodesy			
Department "Steel, timber and plastic structures"			
Project	Aboveground Steel Tank	Sheet	A2
Title	GENERAL PLAN	Scale	1:100
Student		Data	
Lecturer		Drawing	

DWG 10=1