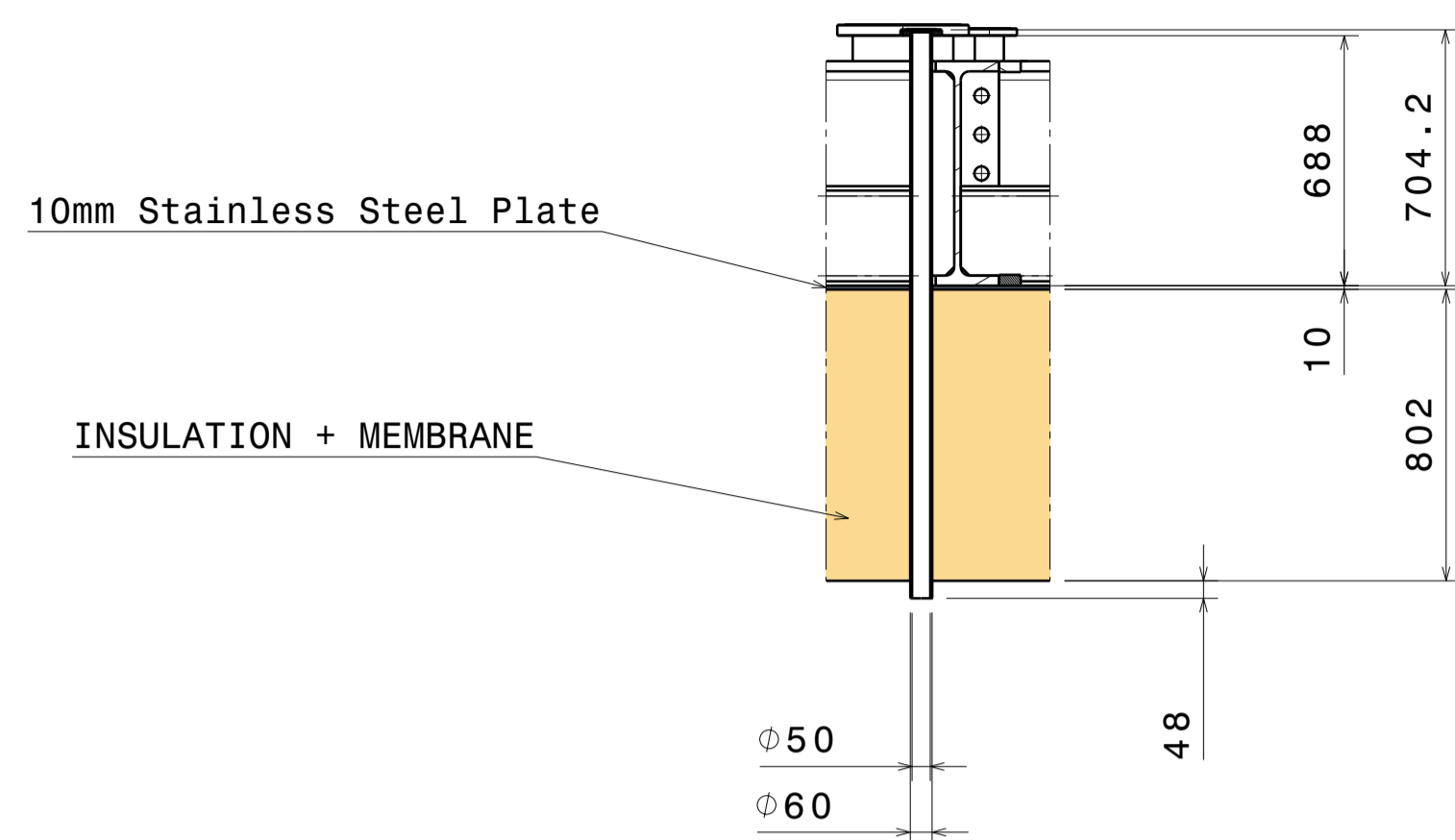
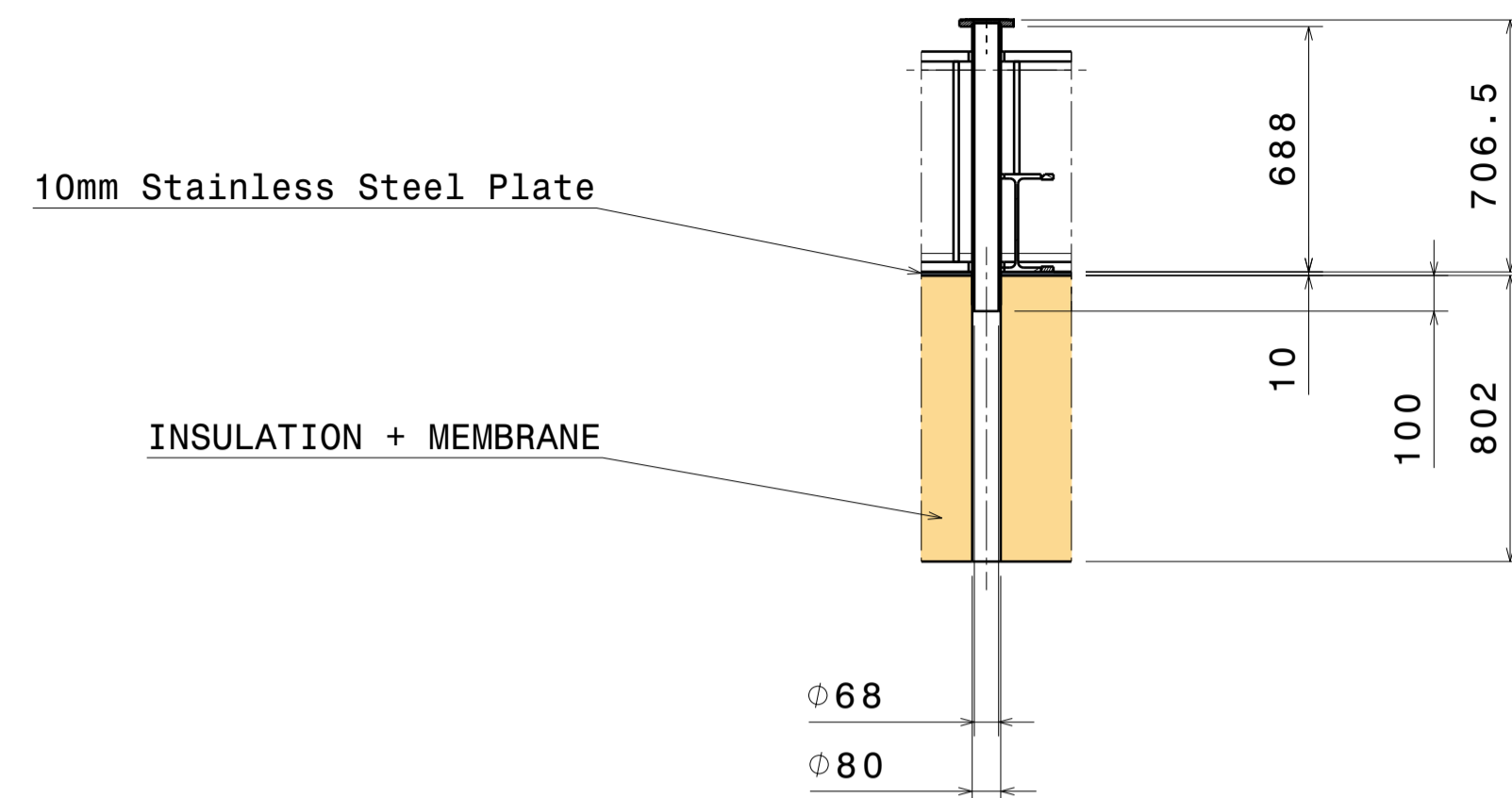


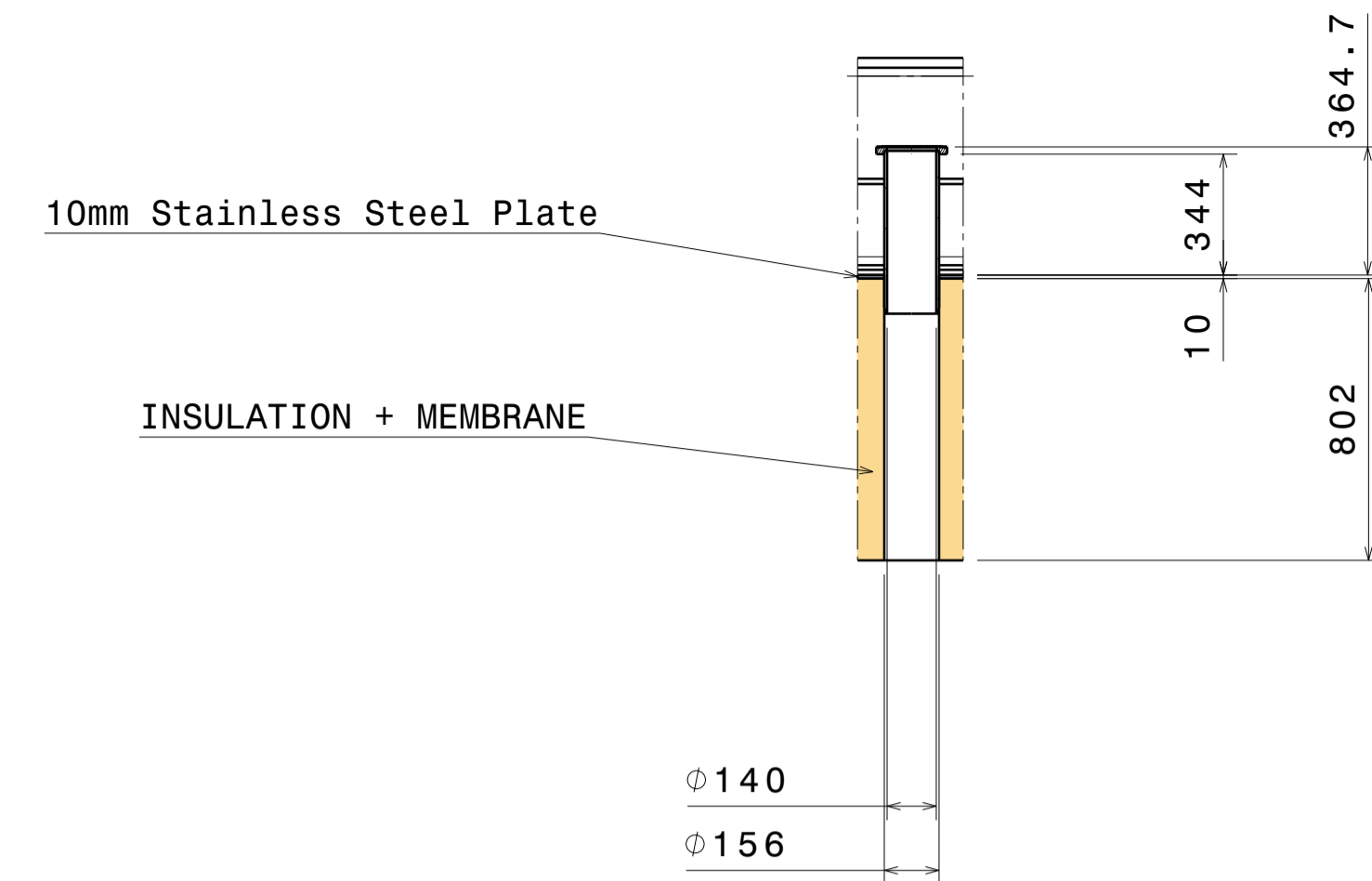
SECTION B-B: 12 x SPFT CRP



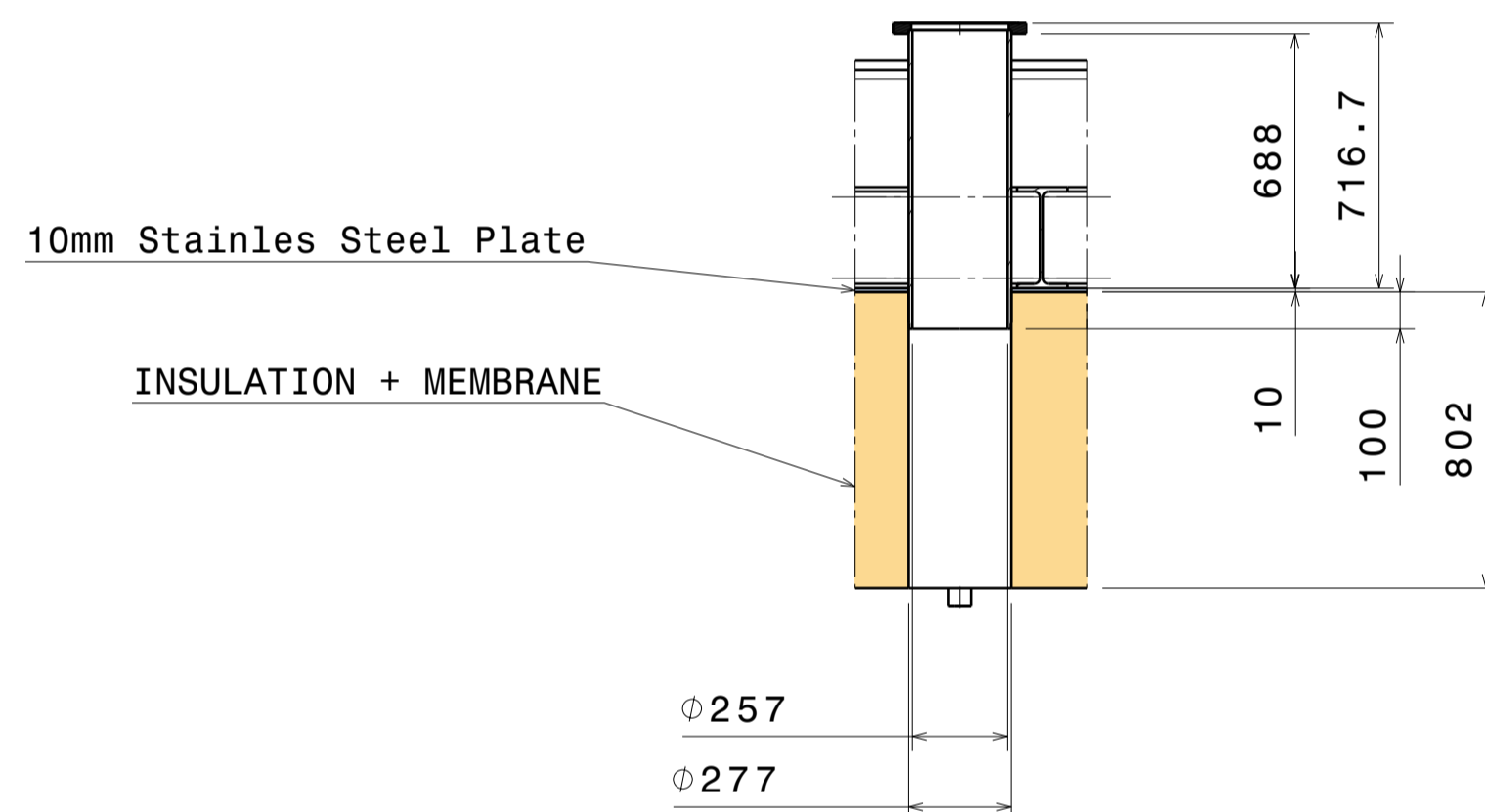
SECTION C-C: 4 x CRP-INST



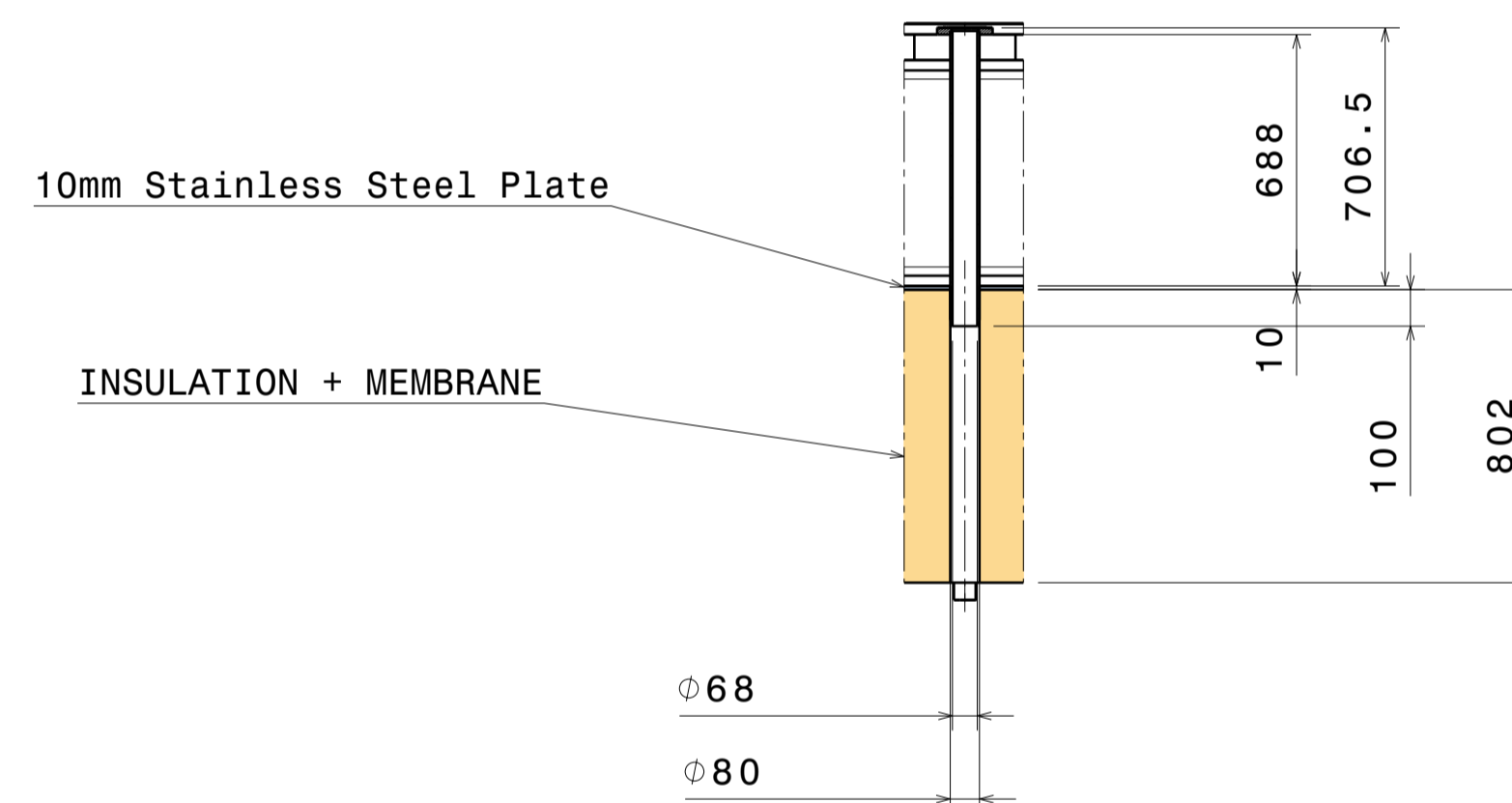
SECTION F-F: 1 x HVFT



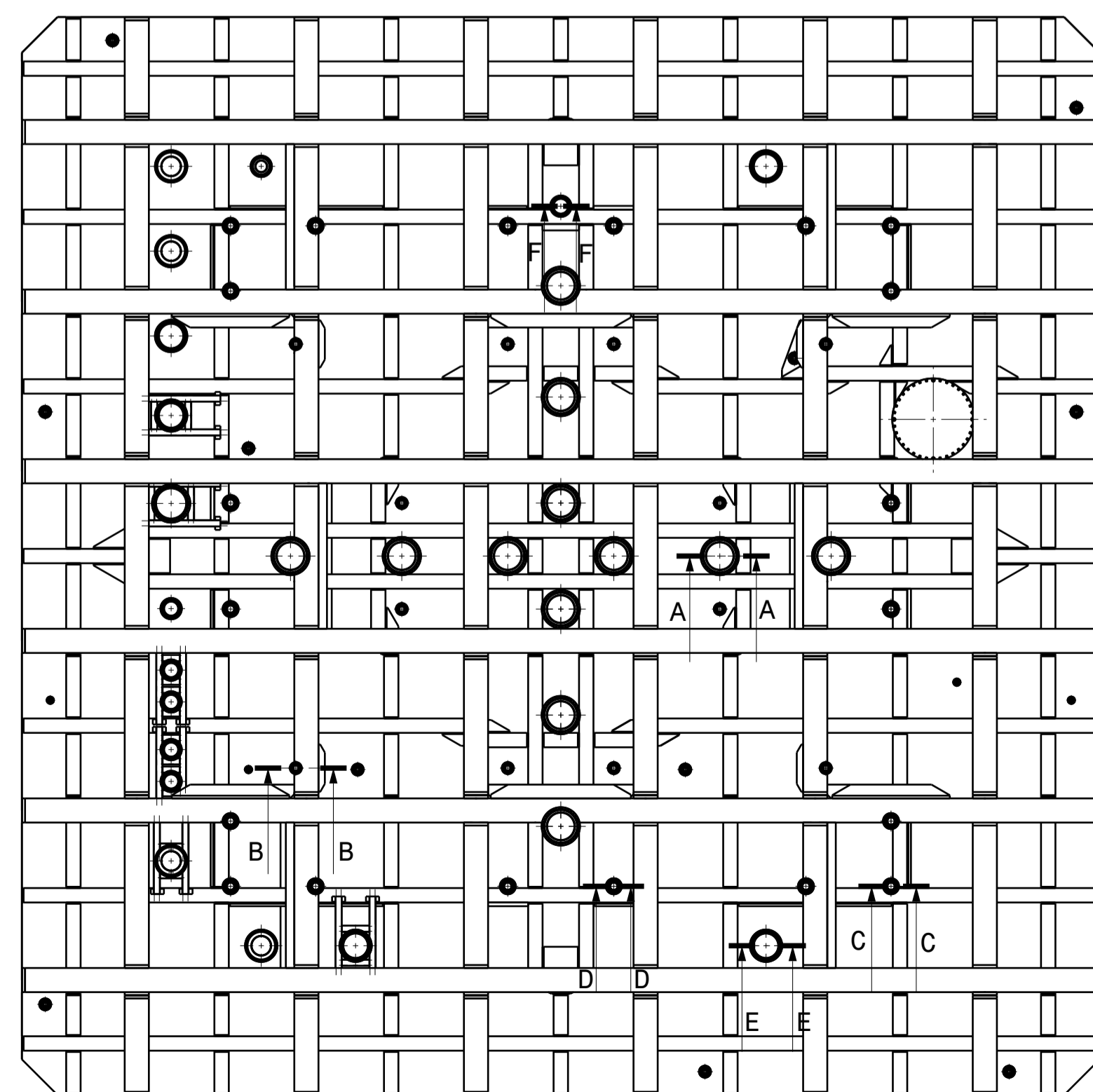
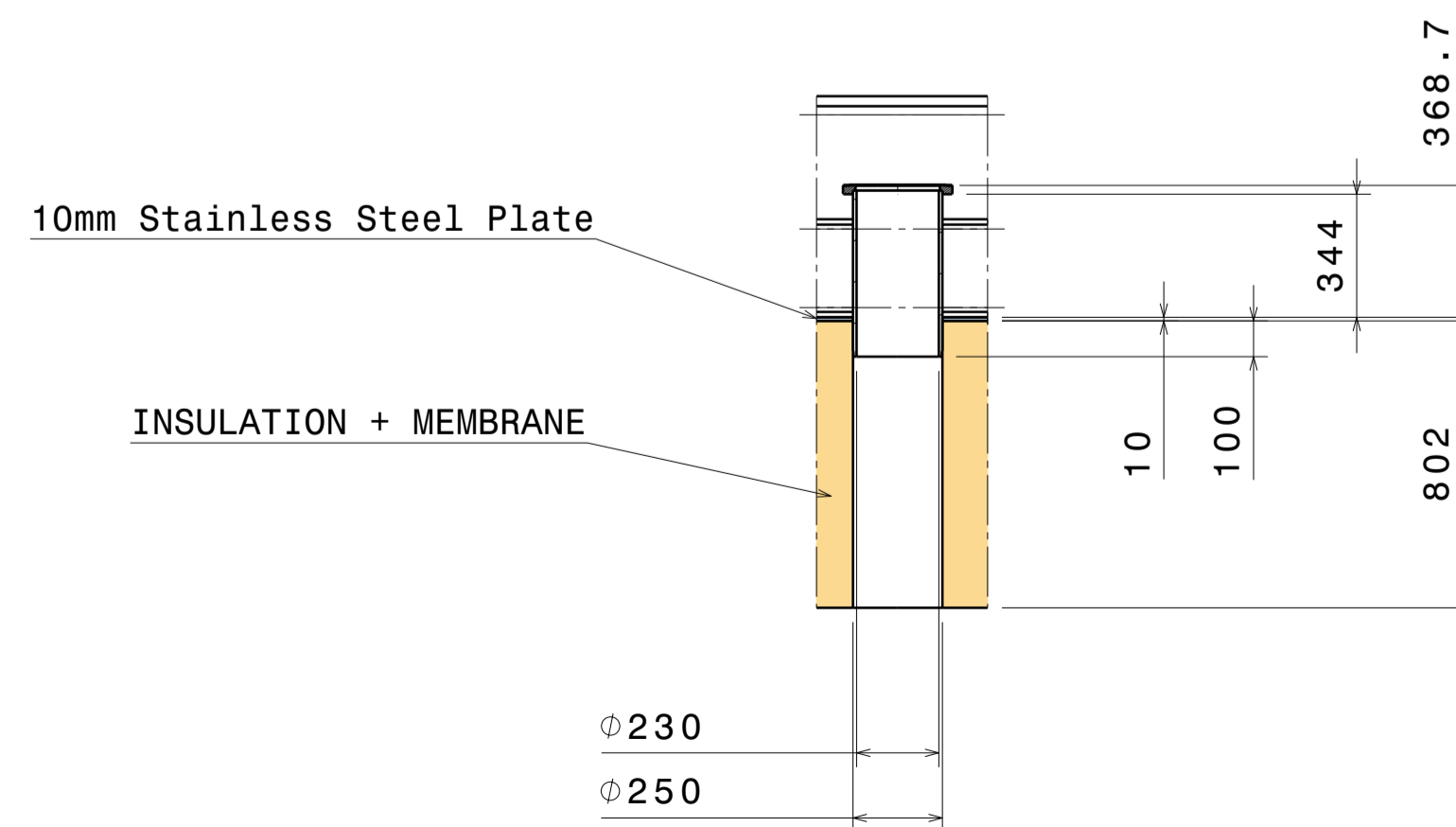
SECTION A-A: 12 x SGFT



SECTION D-D: 16 x FC-SPFT



SECTION E-E: 2x TANK-INST



(EDMS Drawing --> WA105_penetrations.pdf)

TABLE 1 Detector penetrations

Pos.	Diameter [mm]	Qty.	Description	
1	Ø80	16	Field Cage Suspension	FC SPFT
2	Ø80	4	Slow Control Chimneys	CRP-INS
3	Ø277	12	Signal Chimneys FTS	SGFT
4	Ø40 60	12	Anode Suspensions FTS	SPFT CRP
5	Ø156	1	High Voltage Feedthrough	HVFT
6	Ø710	1	Manhole	
7	4250x1200mm	1	Temporary Construction Opening	
8	Ø250	1	Beam window	
9.1	Ø250	2	Spare	TANK-INS
9.2	Ø250	2	Spare	

TABLE 2

Pos	SECTION	FT NAME	MARZIO FLANGE SIZE	DETECTOR DESIGN FLANGE SIZE	Description
1	D-D	FC SPFT	CF-100 (152/100 --> CERN)	CF-150 (202/150 --> CERN)	
2	C-C	CRP-INS	CF-100 (152/100 --> CERN)	CF-250 (306/250 --> CERN)	
3	A-A	SGFT	Could not understand the standard	CF-273 (325/273 --> CERN)	
4	B-B	SPFT CRP	CF-100 (152/100 --> CERN)	LAPP Special Plate tight welded at the Pipe	
5	F-F	HVFT	CF-150 (202/150 --> CERN)	CF-250 (306/250 --> CERN)	Pipe lenght will be defined when the HVFT design is complete
9.1/9.2	E-E	TANK-INS	CF-250 (306/250 --> CERN)	CF-250 (306/250 --> CERN)	