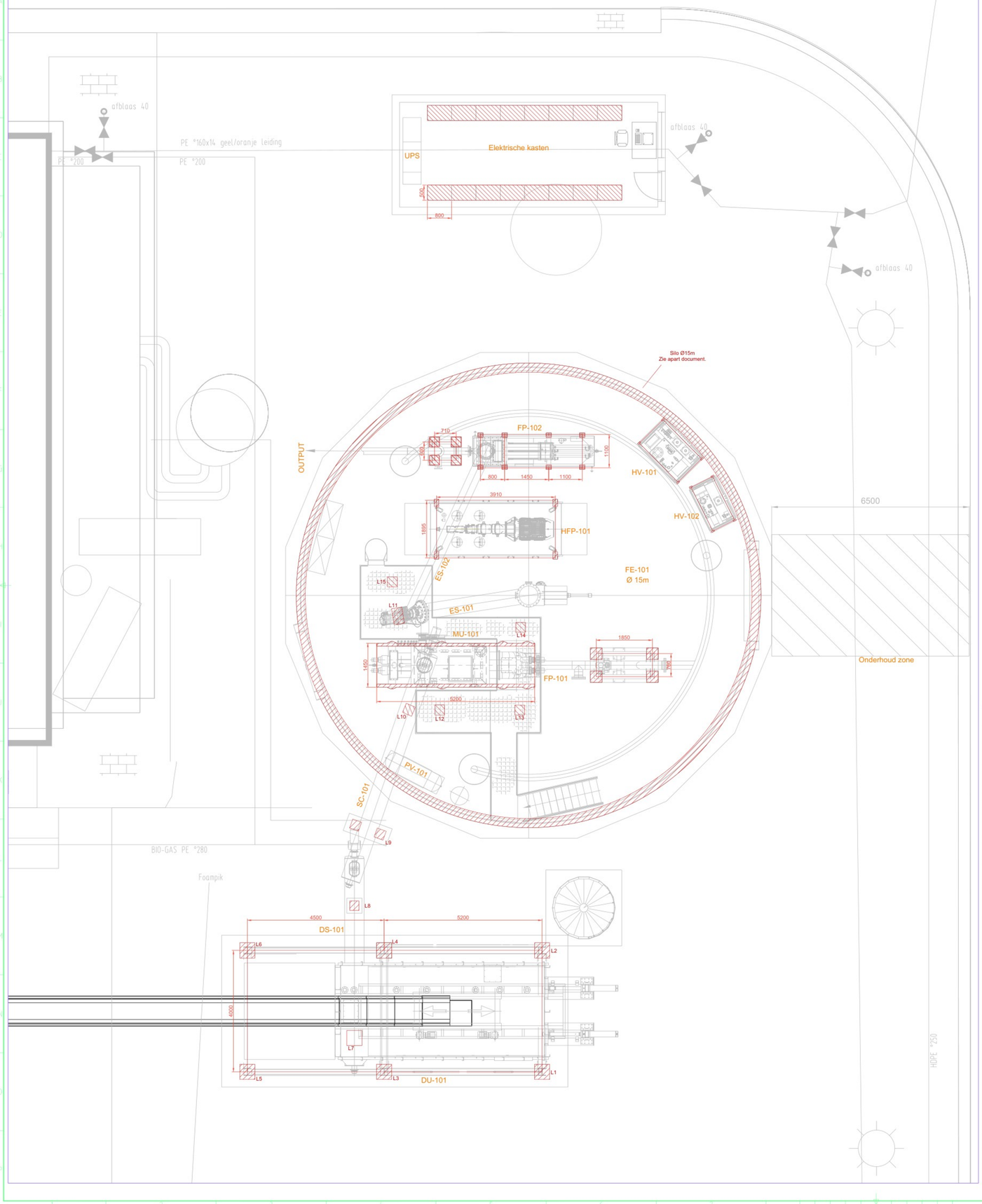

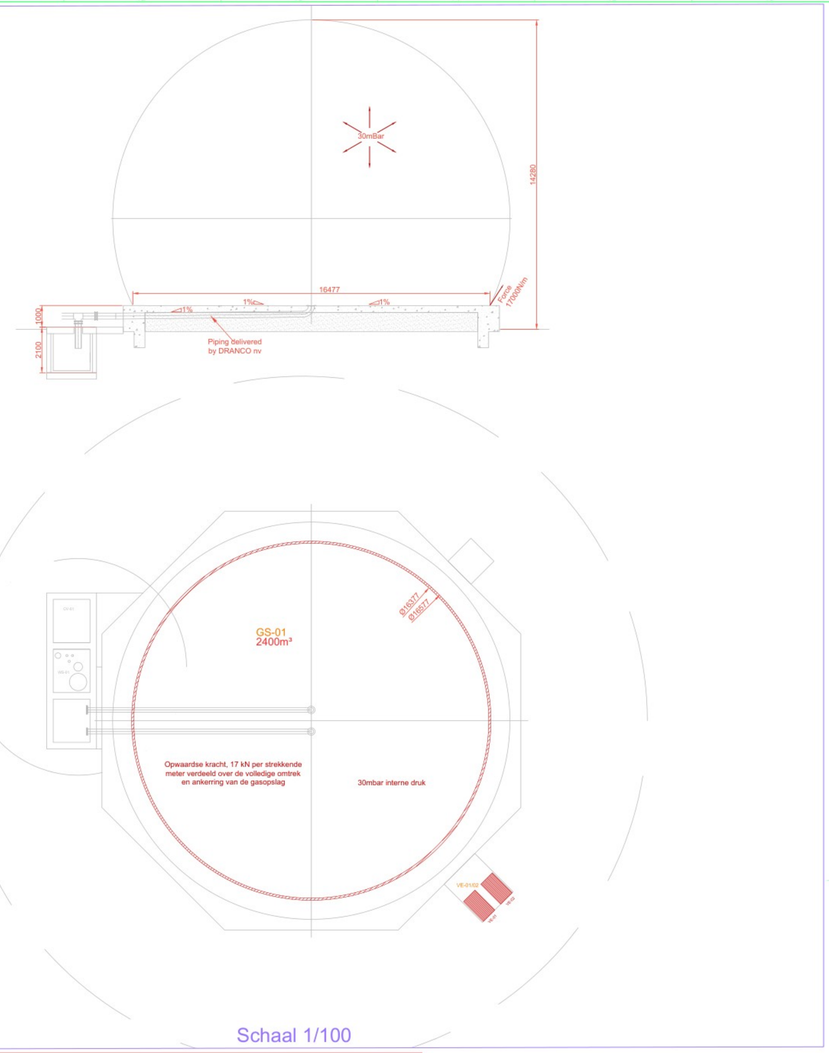

Schaal 1/100

Loads on foundations								
	Descrpt. type of equip.	Empty weight	Static force Fz =(empty weight + content)	Additional dynamic Force in both directions (between () = exceptional force)			Height	Remarks
	Info column to be elim. after	kg	[kN]	[kN] or %				
			Z	X	Y	Z		
DS-101		3100	(31+30) kN= 61 kN	10%	10%	10%		Divided over 3 points
DU-101			870kN	10%	10%	10%		Divided over 4 points
L1 (DU-101)	Support DU-101	-	25kN	-	-	-		
L2 (DU-101)	Support DU-101		25kN					
L3 (DU-101)	Support DU-101		215kN					
L4 (DU-101)	Support DU-101		215kN					
L5 (DU-101)	Support DU-101		220kN					
L6 (DU-101)	Support DU-101		220kN					
L7 (DS-101)	Support DS-101		20kN					
L8 (DS-101)	Support DS-101		41kN					
L9 (SC-101)	Support SC-101		30kN					Divided over 2 points
L10 (SC101)	Support SC-101		30kN					
Hopper	of THS3062	2000	(20+50) kN= 70 kN	10%	10%	10%		-
MU-101 total (MU-101+hopper)	Total of THS3062	6000+2000	(56+40)+(20+50) kN= 166 kN	10%	10%	10%		Divided over the 4 supports
FP-101	KOS1480	5000	(50+20) kN= 70 kN					Divided over 2 beams
MU-101	THS2062 (for KOS1480)	5000	(50+40) kN= 90 kN					Divided over the 4 supports
HFP-101	HA160 (for KOS1480 when 2 FP)	4200	(42+10) kN= 52 kN	10%	10%	10%		
FP-102	KOS1070	2800	(28+5) kN= 33 kN	10%	10% (62.5kN)	10%		Divided over 4 beams with 8 anchor points
SD101	Support FP-01	500	(5+5) kN= 10 kN	10%	10% (200kN)	10% (200kN)	1m	40 bar with pipe DN250
SD102	Support FP-02	400	(4+5) kN= 9 kN	10%	10% (125kN)	10% (125kN)	1m	40 bar with pipe DN200
ES-101	Regular ES-01 from silo blocks	3500	(35+15) kN= 50 kN	10%	10%	10%		ES-101 is supported by FE-101 & L11
L11 (ES-101)		-	50 kN/2 (ES-01) + 31 kN/2 (ES-02) = 40.5 kN	-	-			Support point of both ES
ES-102	Regular ES-102 from silo blocks	1600	(16+15) kN= 31 kN	-	-	-		ES-102 is supported by ES-101 & FP-102
SC-101	SC Ø 600mm	4500	(45+15) kN= 60 kN	10%	10%	10%		Divided over 2 support points
HV-101/HV-102	Standard blocks	1000	(10+10) kN= 20 kN	10%	10%	10%		Divided over 4 points
SD101		500	(5+5) kN= 10 kN	10%	10% (200kN)	10% (200kN)	1m	40 bar with pipe DN250
SD102		400	(4+5) kN= 9 kN	10%	10% (125kN)	10% (125kN)	1m	40 bar with pipe DN200
FE-101		-	See specific document: Digester load on foundation plan for silo of X m					
L12	Support point	-	10	10%	10%	10%		Includes loads of Mixlung unit MU-101+ dosingscrew + platform.
L13	Support point	-	10	10%	10%	10%		Includes loads of Mixlung unit MU-101+ dosingscrew + platform.
L14	Support point	-	36.5	10%	10%	10%		Includes loads of Mixlung unit MU-101+ dosingscrew + platform.
L15	Support point	-	36.5	10%	10%	10%		Includes loads of Mixlung unit MU-101+ dosingscrew + platform.
GS-01	Tecon 2400m³	-	- 17 kN/m	Wind	Wind	Wind		14.280m high, Ø 16.48m
VE-01	Standard blocks	40	0,4	10%	10%	10%		
VE-02	Standard blocks	40	0,4	10%	10%	10%		
FL-01	Himmel 1500 HT MTU1500	3000	30	Wind	Wind	Wind		Ø1,8m; Height 9m Static force divided over 4 points
Electrical cabinets		-	6kN per running meter	-	-	-		Electrical cabinets of 0.8m x 0.5m. Weight of the battery unit not included.

REV	DATE	DESCRIPTION	CREATOR SIGNATURE	VERIFIER SIGNATURE	VALIDATOR SIGNATURE
			JVE	SVL	
00	21-02-2025	Ontwerp			

Client logo:

Project: Wijster ONF 2

Contractor logo: DRANCO

Scale: 1/50

Format:A0

Status: Voorontwerp

Bouwkunde
Lastenplan
Layout

22620 CIV LDS 001 Rev

CLIENT APPROVAL:

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