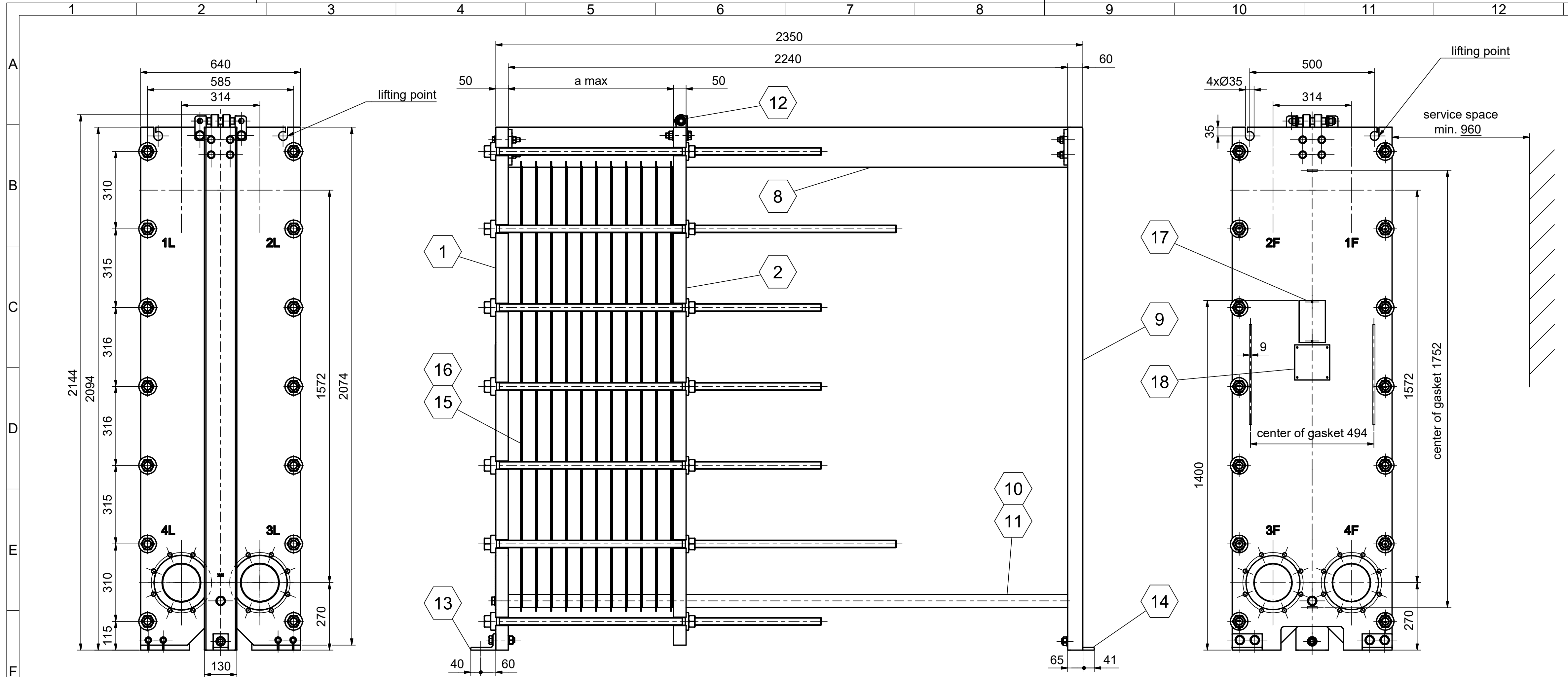
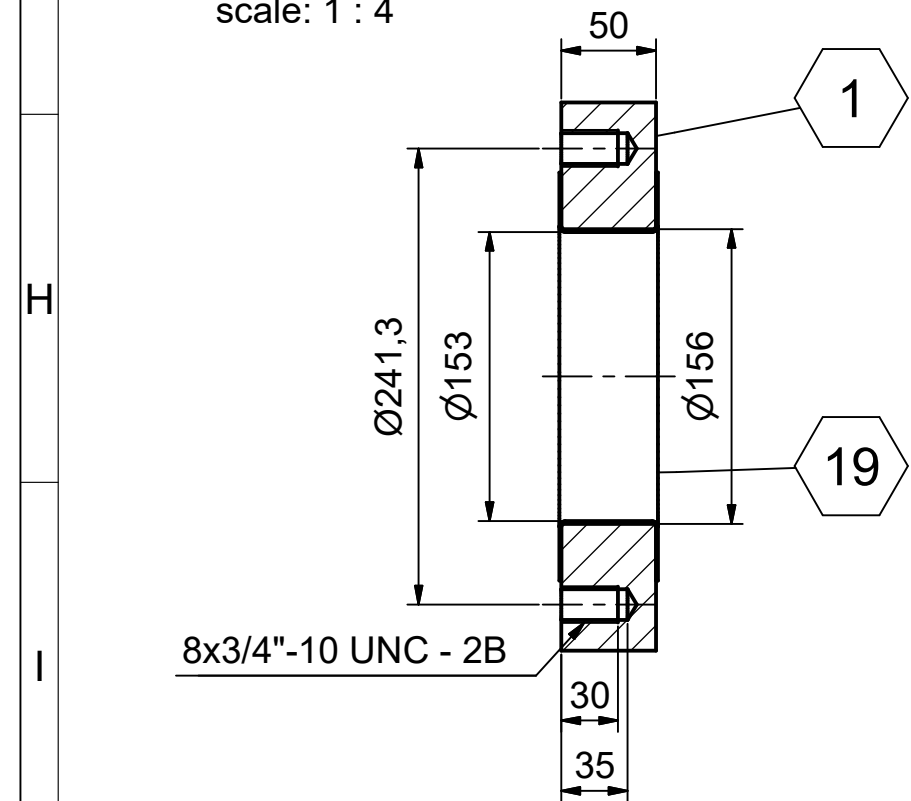
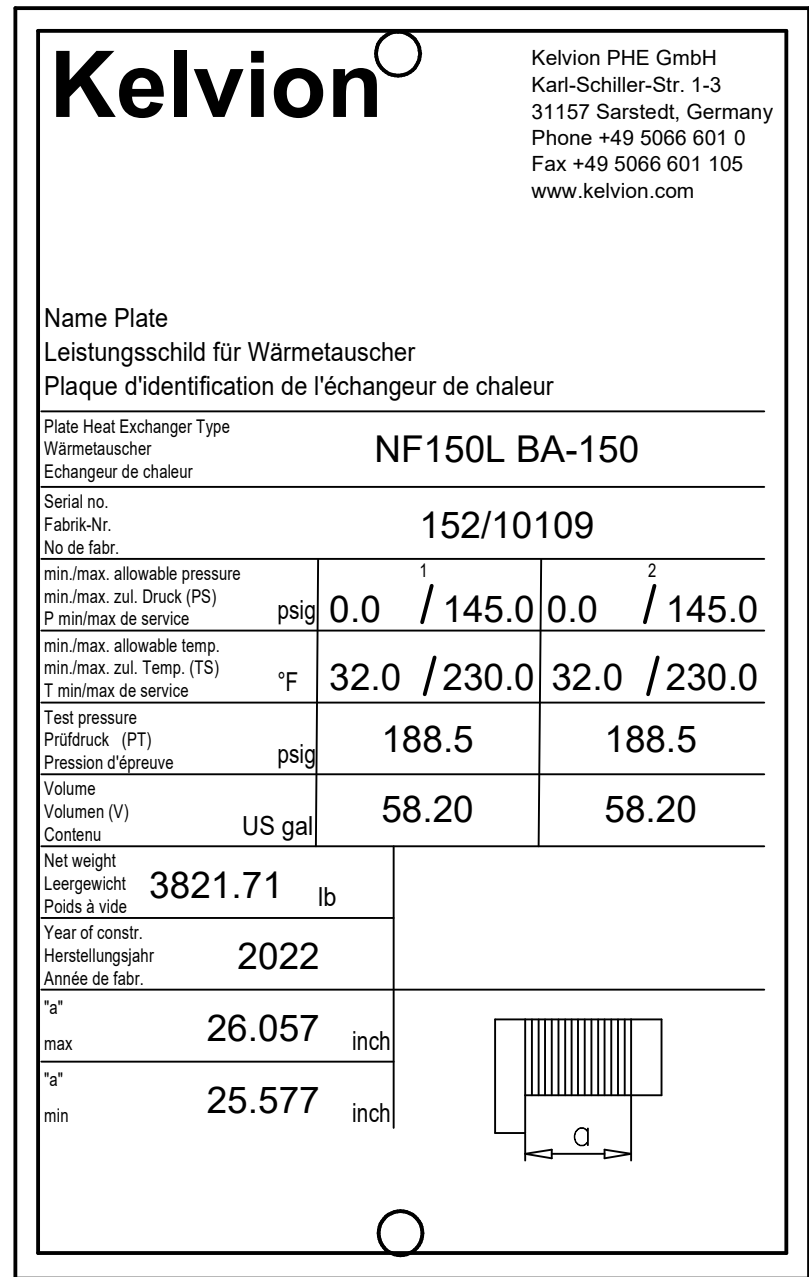
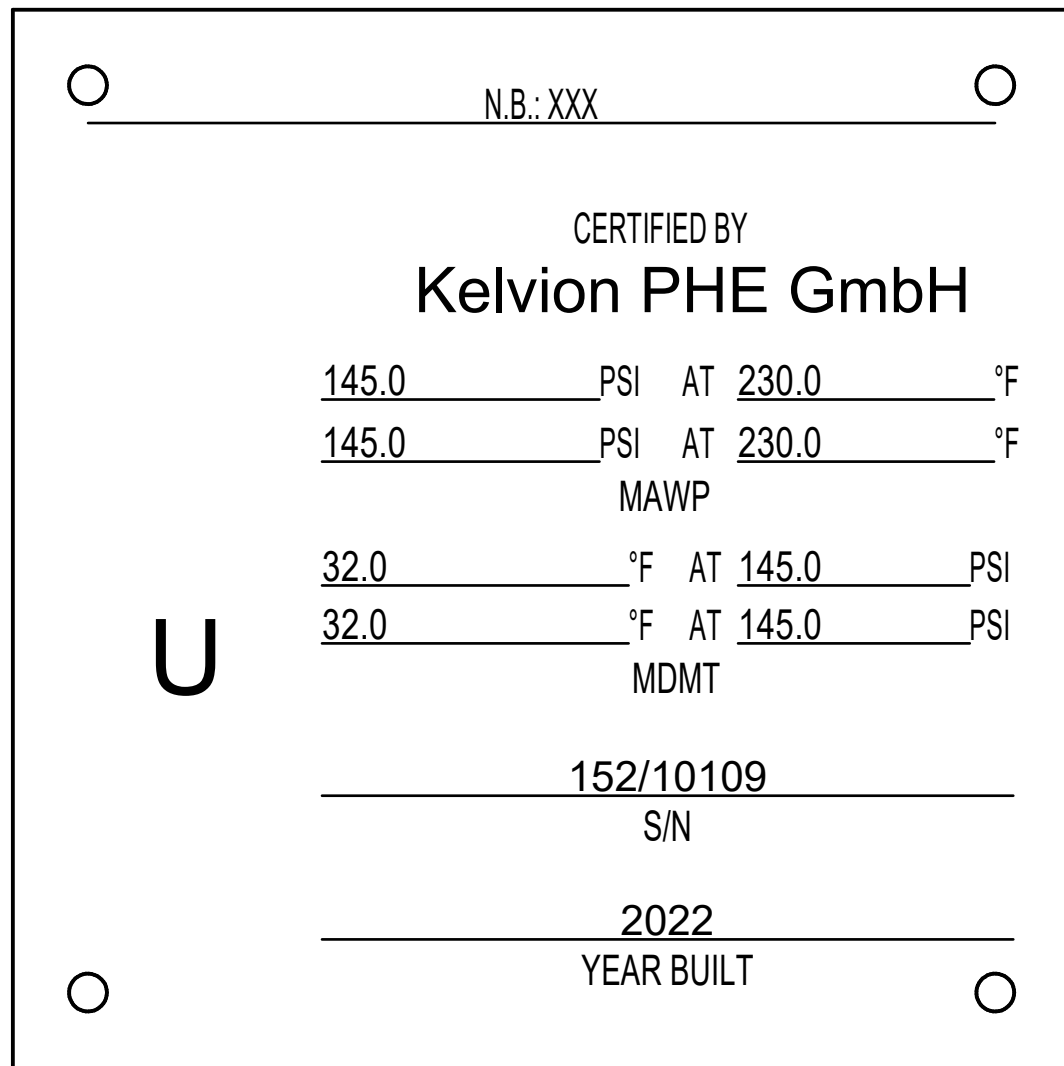
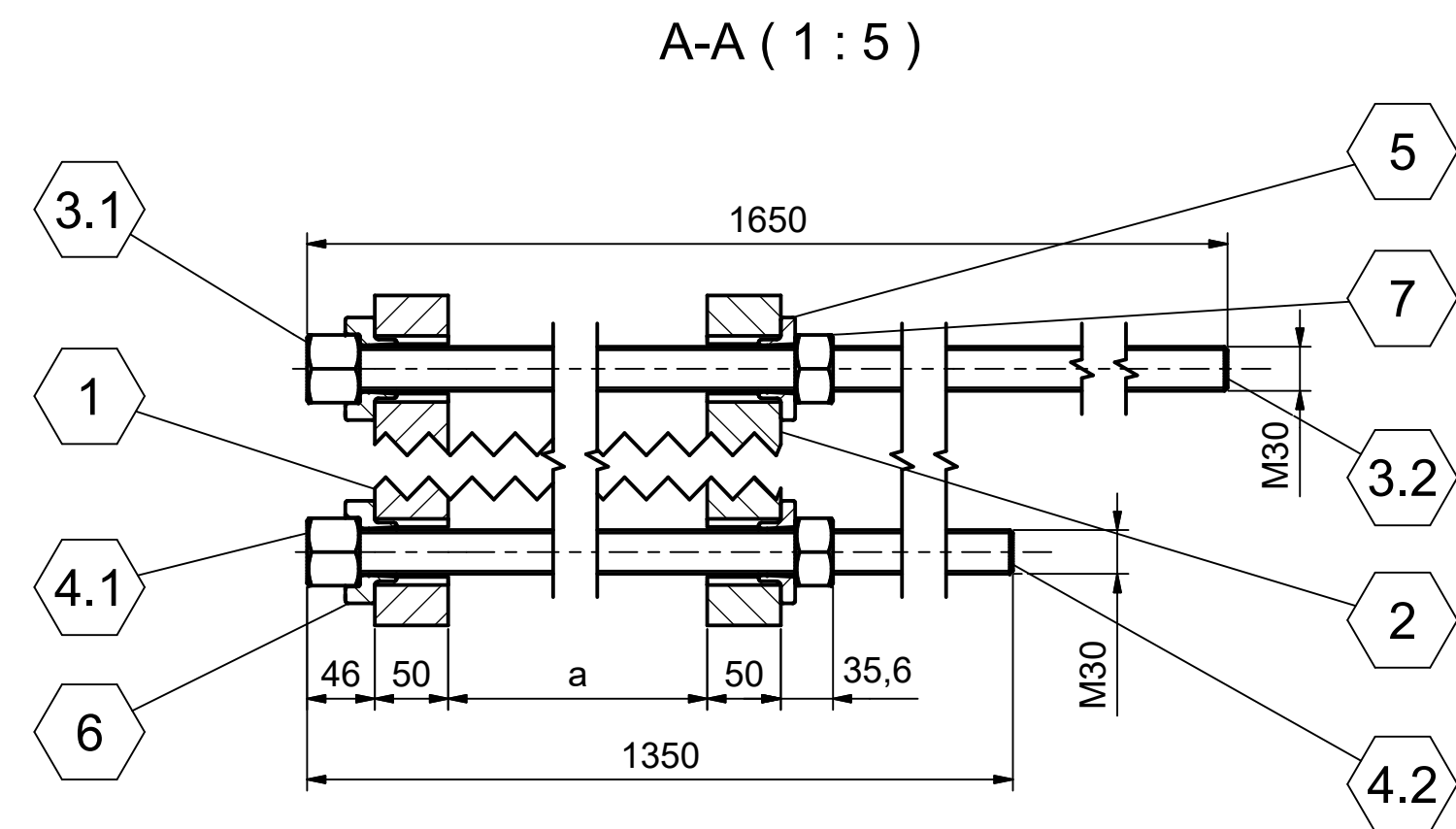
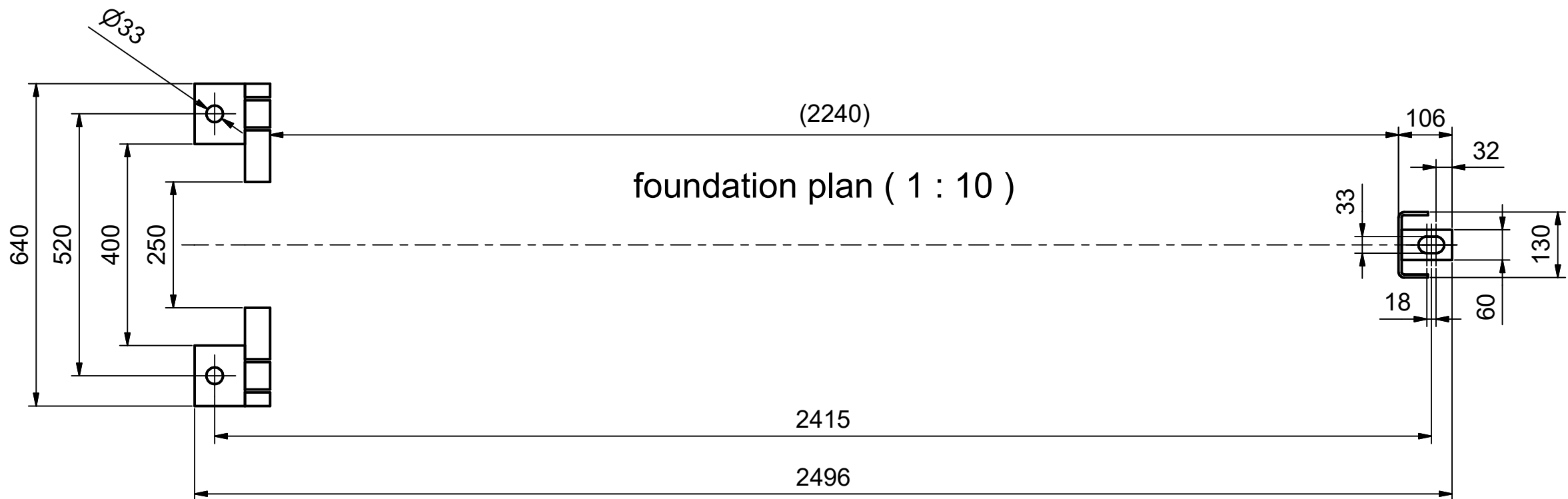
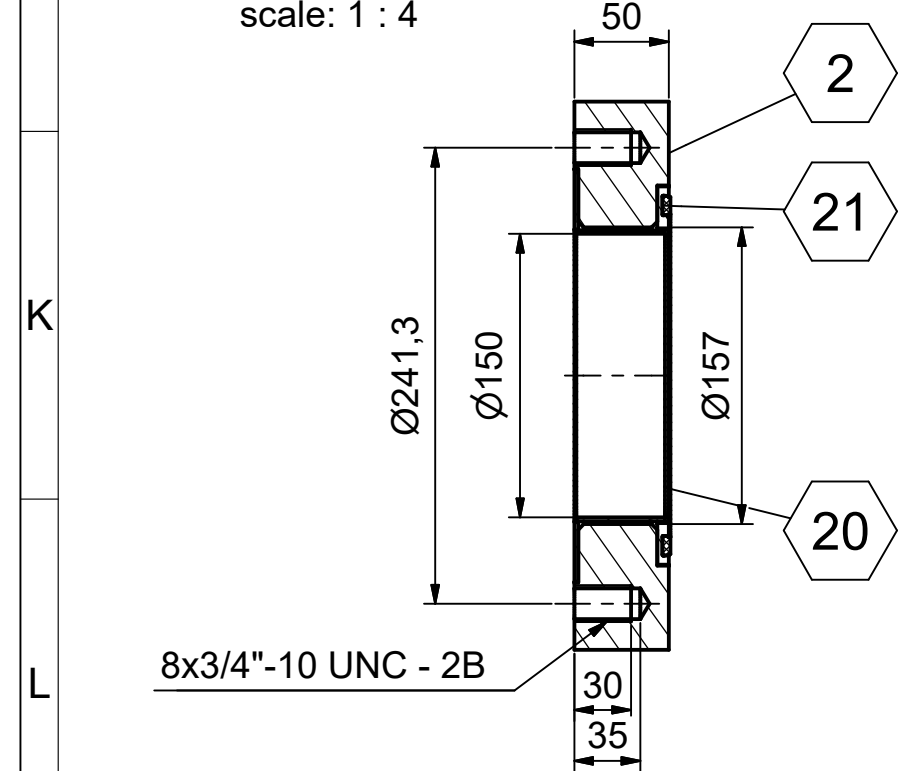




connection 3F + 4F
metal insert
6" ASME B16.5 150lb/sq. in
scale: 1 : 4



connection 3L + 4L
metal insert w. flange ring
6" ASME B16.5 150lb/sq. in
scale: 1 : 4



13				14				15				16			
operating data												room 1-4		room 2-3	
product												ETHYLENE GLYCOL		PRESSATE	
max. allowable working pressure / MAWP								psi g kPa g		145.0 1000.0		145.0 1000.0			
hydrostatic test pressure								psi g kPa g		188.5 1300.0		188.5 1300.0			
max. design temperature								°F		230.0		230.0			
min. design metal temperature / MDMT								°F		32.0		32.0			
volume (V)								gal		58.20		58.20			
HE-surface								ft²		495.35					
weight gross/net								lb		4918.17 / 3821.71					
inlet temperature								°F		195.0		120.0			
outlet temperature								°F		141.4		160.0			
tests	drawing approved by							Kelvion PHE GmbH							
	approval of outward dimensions							LRQA Verification Limited							
	hydrostatic test							LRQA Verification Limited							
	design acc. to							ASME Section VIII Div. 1 Edition 2021 U-STAMP, National Board							
surface	sandblasting			7.096-230 4.1.A			length of pack	a max. = 26.057 inch 662 mm							
	primer			7.096-230 4.1.A											
	top coat			7.096-230 4.1.A				a min. = 25.577 inch 650 mm							
	colour			RAL 5002											
connections	6" ANSI B16.5 150 lb/sq. in	1F	2F	3F	4F	1L	2L	3L	4L						
		—	—	PRESSATE -out-	ETHYLENE GLYCOL -in-	—	—	PRESSATE -in-	ETHYLENE GLYCOL -out-						

21	2	seal ring	-	-	NBR	-	-
20	2	metal insert w. flange ring	-	Bl. 2/6 DIN EN 10131	1.4404/1.4571	3.1	-
19	2	metal insert	-	Bl. 1 DIN EN 10131	1.4404	3.1	-
18	1	U-STAMP plate	-	Bl. 2 DIN EN 10131	1.4571	-	-
17	1	name plate	-	Bl. 0.8 DIN EN 10131	1.4301	-	-
16	61	gasket	-	-	NBR	-	-
15	61	HE-plate	SA-240Gr316L	Bl. 1 austenitic steel	1.4404	3.1	-
14	1	foot support	-	L 100x65x11 DIN 1029	S235JR	-	-
13	2	foot fixed plate	-	L 100x65x11 DIN 1029	S235JR	-	-
12	1	suspension	-	Bl. 5 DIN EN 10029 / Rd.50	1.4301/ Delrin	-	-
11	1	cladding pipe	-	Rohr DIN EN 10220	1.4301	-	-
10	1	connection rod	-	Rd. 48 h11 DIN EN 10278	S235JRG2C+C	-	-
9	1	support	-	-	S235JR	-	-
8	1	beam cpl.	-	INP 160 - DIN 1025-1 / Bl. 15 DIN EN 10029	S235JR	-	-
7	14	hexagon nut	SA-194Gr7	M30 DIN EN ISO 4032	-	3.1	*
6	14	disc	-	round steel DIN EN 10060	C45 DIN EN 10083-2	2.2	-
5	14	disc	-	round steel DIN EN 10060	C45 DIN EN 10083-2	2.2	-
4.2	1	threaded bolt	SA-193GrB7	M30x1350	-	3.1	*
4.1	1	hexagon nut	SA-194Gr7	M30 DIN EN ISO 4032 m=1,2d	-	3.1	*
4	10	tightening bolt	SA-193GrB7	-	-	-	-
3.2	1	threaded bolt	SA-193GrB7	M30x1650	-	3.1	*
3.1	1	hexagon nut	SA-194Gr7	M30 DIN EN ISO 4032 m=1,2d	-	3.1	*
3	4	tightening bolt	SA-193GrB7	-	-	-	-
2	1	flame cut loose plate	SA-516Gr60	Bl.50 carbon steel, normalized	-	3.1	**
1	1	fixed plate	SA-516Gr60	Bl.50 carbon steel, normalized	-	3.1	**
part	quant	denomination	material ASME	pr-product	customer / order-no.	material DIN	cert / remark

* ASME section II part A valid edition, ** SA-20									
152/10109		S152/10109		Lost Creek Dairy, LLC, Roggen, CO 80652 / 0200505343					
serial-no.		flow diagram-no.		customer / order-no.				project	
no.	changes	drawn		date	checked	date	dimensions without tolerances		DIN ISO 2768 - m
01							welded structures		DIN EN ISO 13920 - CF
02								size	scale
03							A1	1 : 10	sheet
04								name	date
05							drawn	O Kulichenko	03.03.2022
							checked	S.Pech	03.03.2022
				Kelvion PHE GmbH Karl-Schiller-Str. 1-3 31157 Sarstedt					
description							drawing-no.		Z152/10109
plate heat exchanger							NF150L BA-150		rev. 00
							item-no.		-
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								1150913_S50_40 106-1310-07	

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