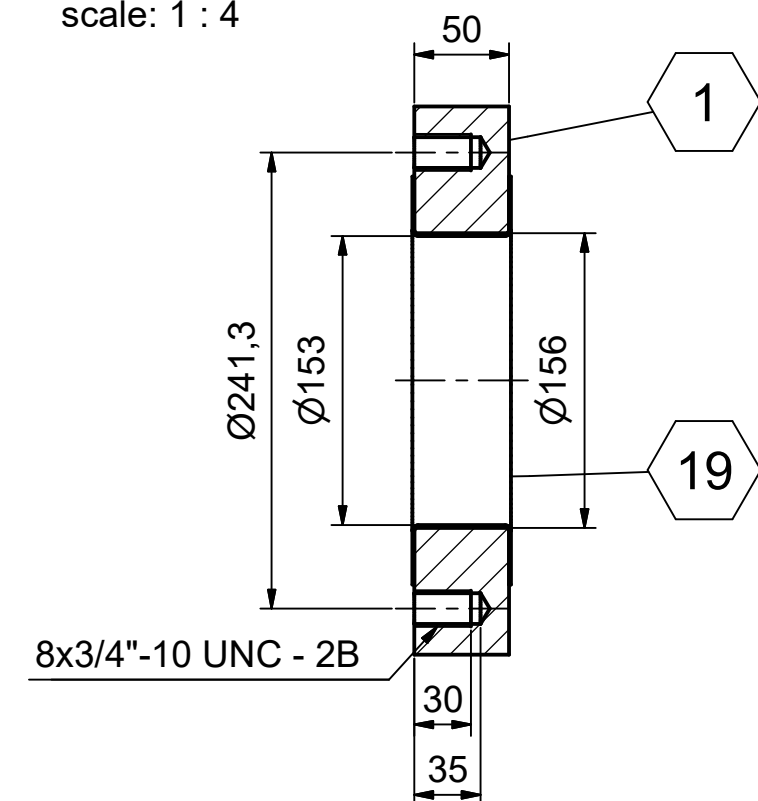
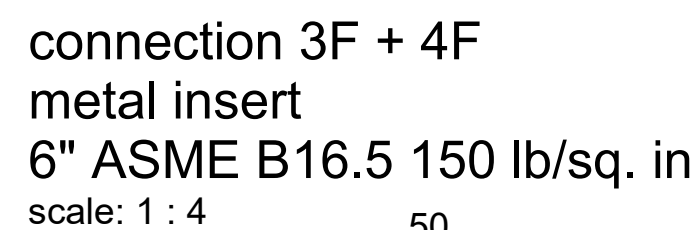
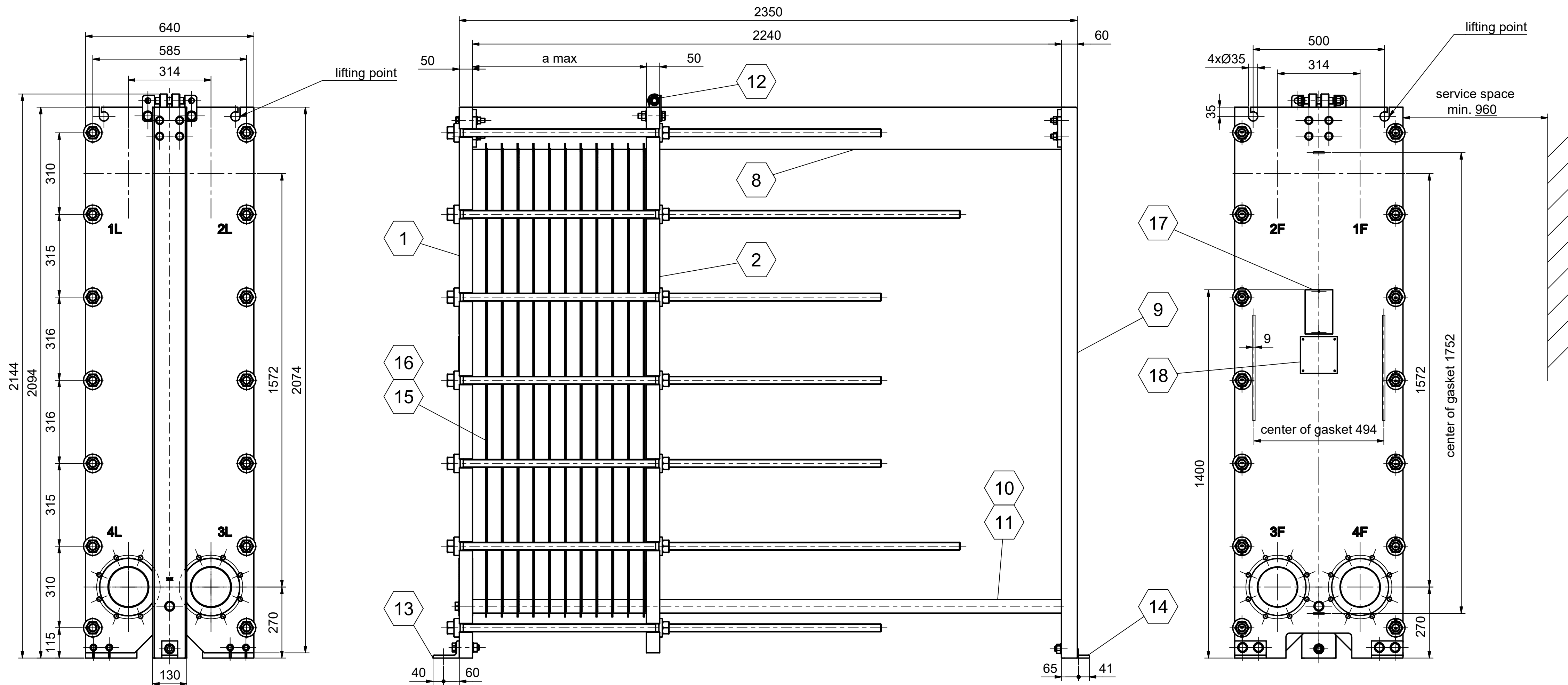
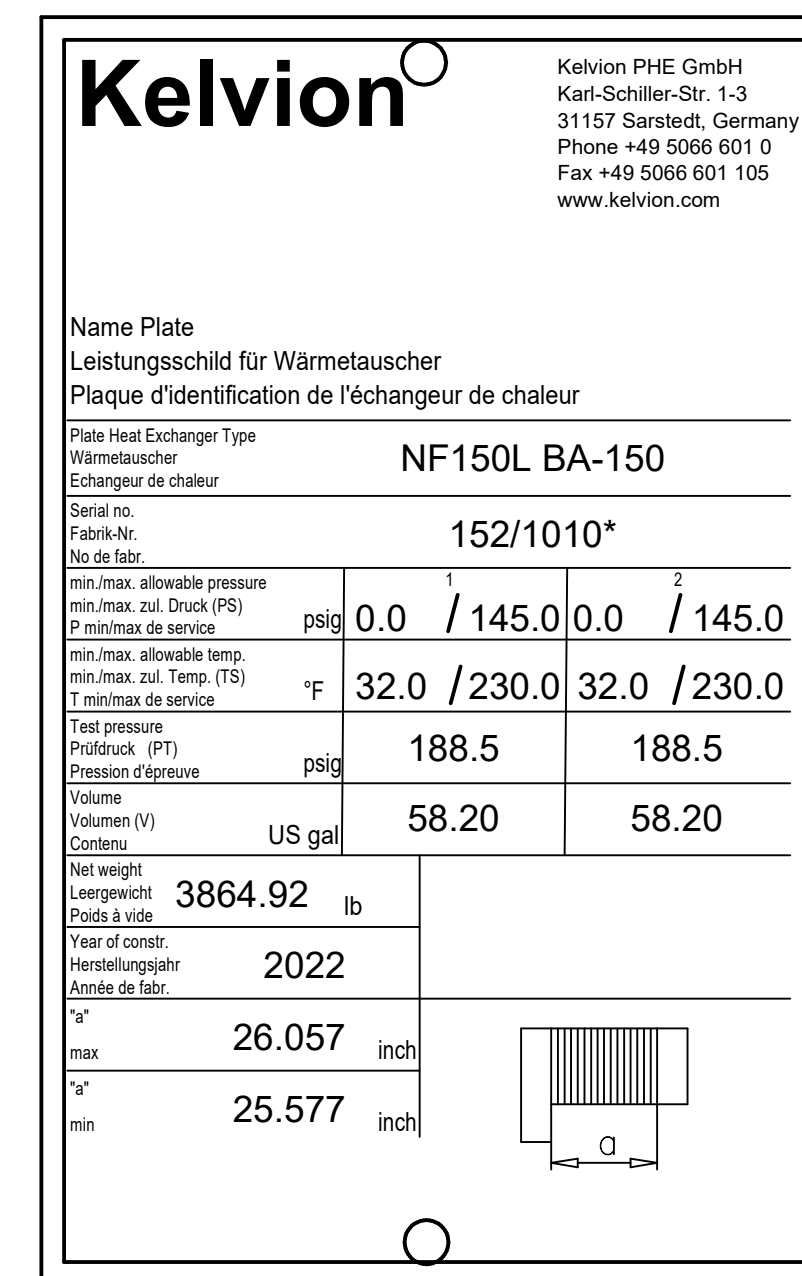
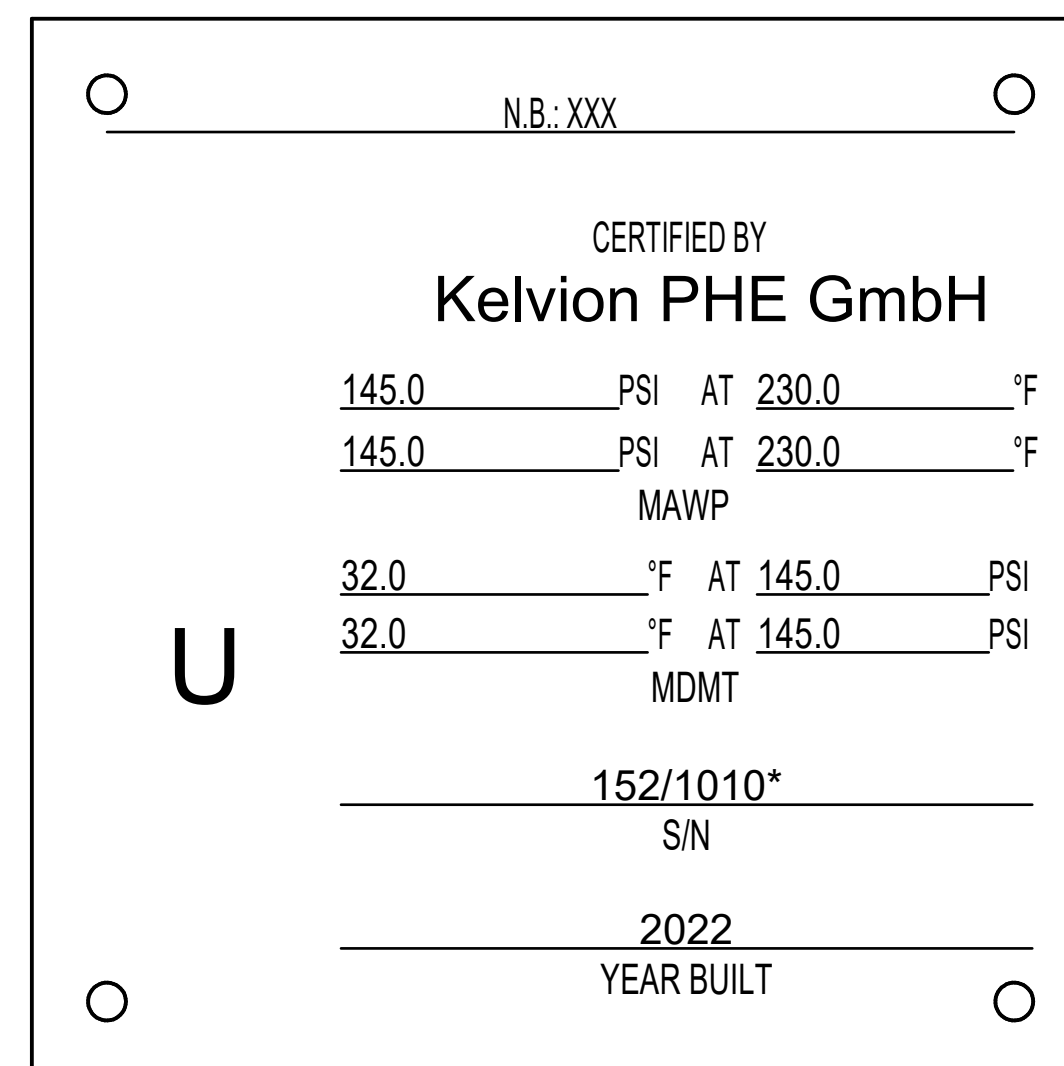
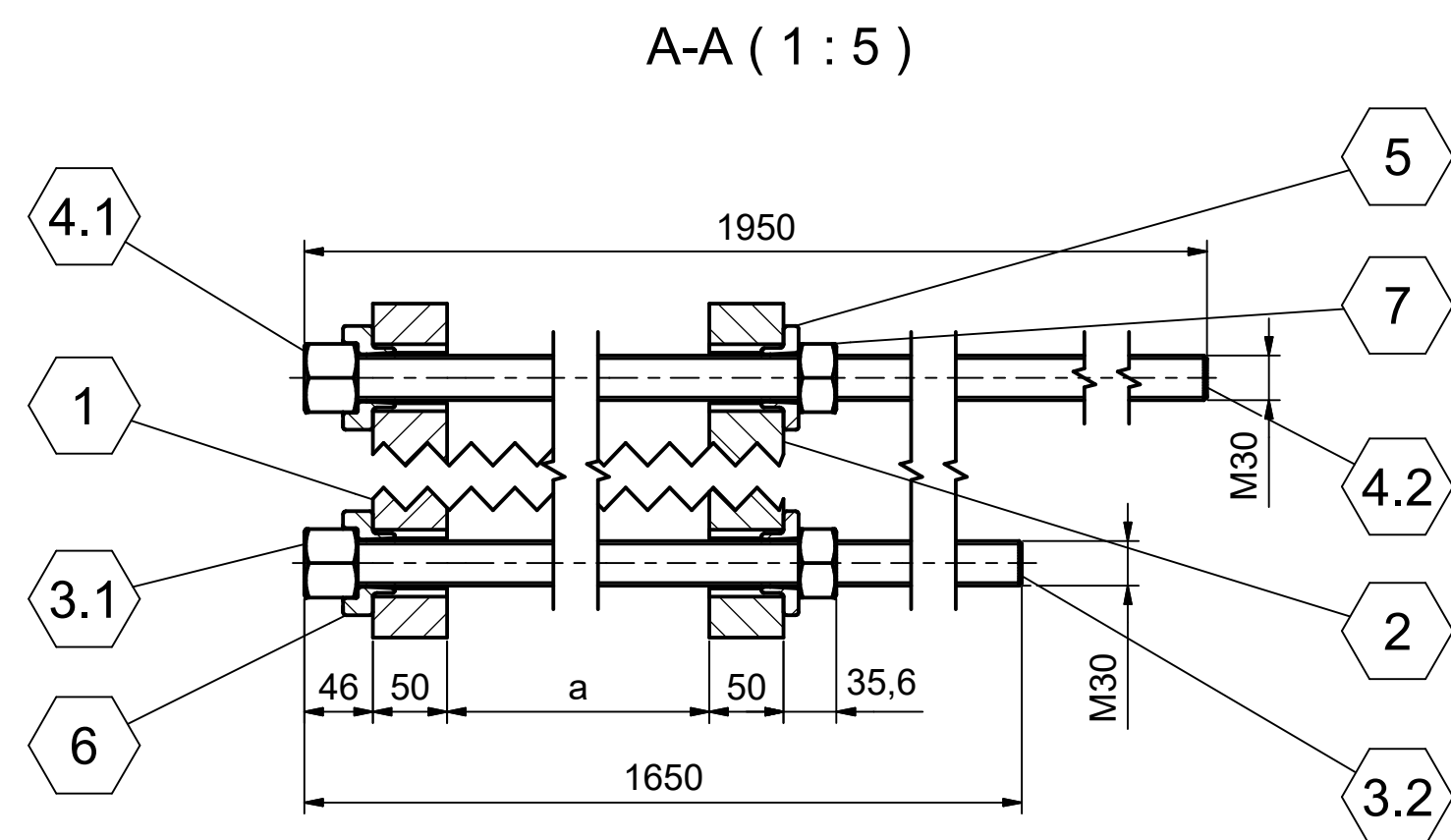
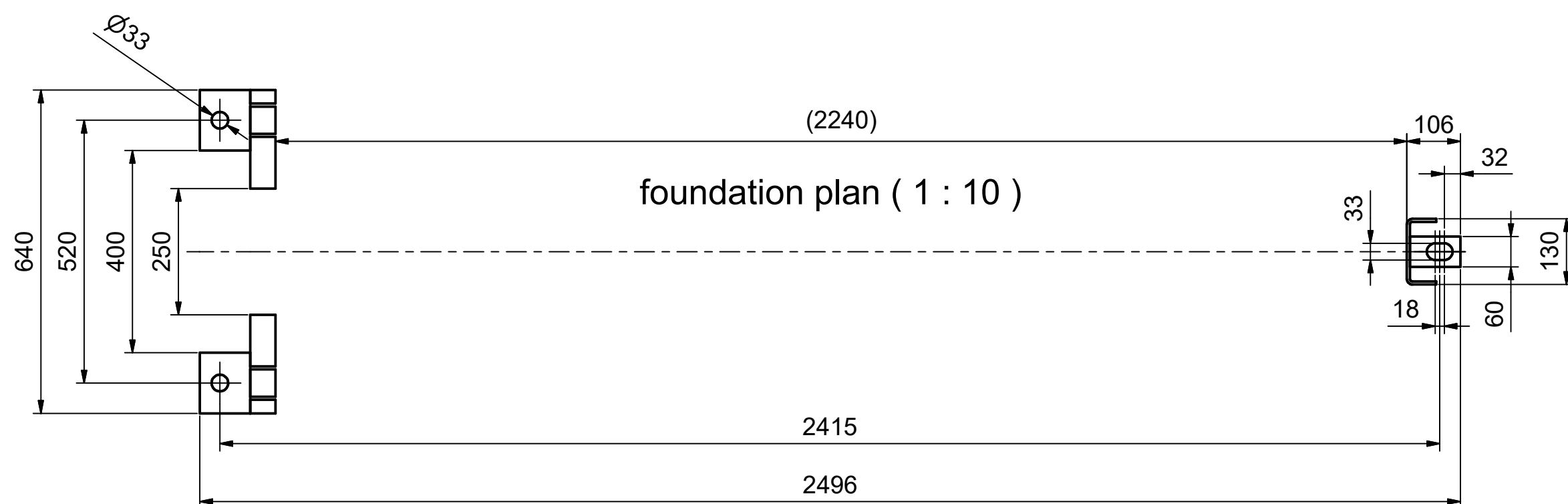
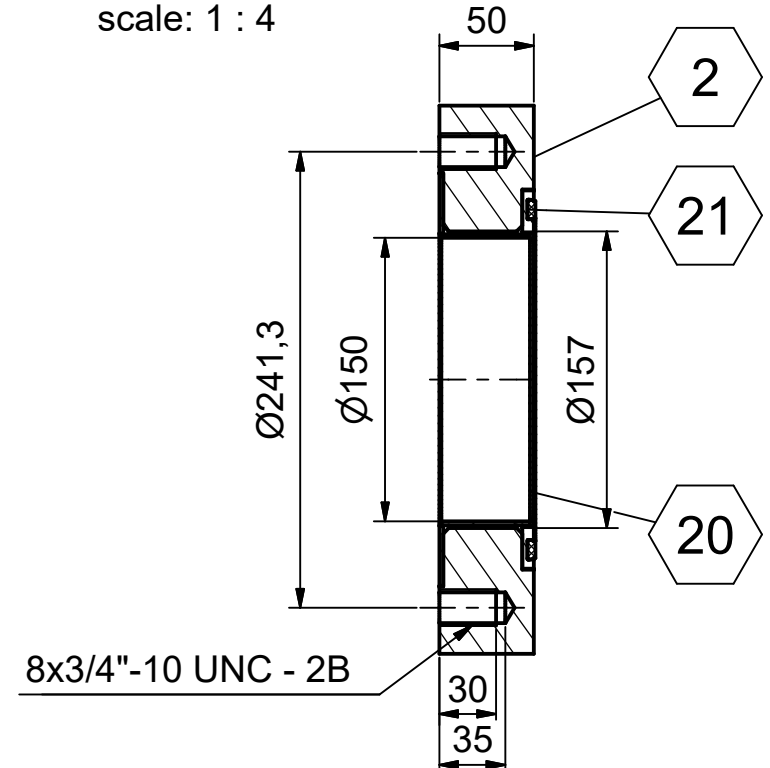




connection 3L + 4L
metal insert w. flange ring
6" ASME B16.5 150 lb/sq. in
scale: 1 : 4



13			14			15			16		
operating data							room 1-4		room 2-3		
product							PRESSATE		RAW MANURE		
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	4855.22 / 3864.92				
inlet temperature						°F	120.0		40.0		
outlet temperature						°F	67.4		85.1		
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 lbsq. in		1F	2F	3F	4F	1L	2L	3L	4L	
	_____		_____	RAW MANURE		PRESSATE	_____	_____	RAW MANURE	PRESSATE	
					-out-	-in-			-in-	-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	M30x1950	-	3.1	*
4.1	1	hexagon nut	SA-194Gr7	M30 DIN EN ISO 4032 m=1,2d	-	3.1	*
4	4	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	10	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	material DIN	cert	remark

* ASME section II part A valid edition, ** SA-20													
152/10103+10104		S152/10103		Lost Creek Dairy, LLC, Roggen, CO 80652 / 0200505343									
serial-no.		flow diagram-no.		customer / order-no.				project					
no. changes		drawn		date		checked		date					
01													
02													
03													
04													
05													
ASME U-STAMP						dimensions without tolerances DIN ISO 2768 - M							
						welded structures DIN EN ISO 13920 - CF							
								size A1		scale 1: 10		sheet 1 / 1	
								name		date			
						drawn		O Kulchenko 28.02.2022					
						checked		S Pech 03.03.2022					
Kelvin  Kelvin PHE GmbH Karl-Schiller-Str. 1-3 31157 Sarstedt						drawing-no. Z152/10103				rev. 00			
						item-no. -							
description													
plate heat exchanger NF150L BA-150													
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1159913_S50_40 106-1310-07													