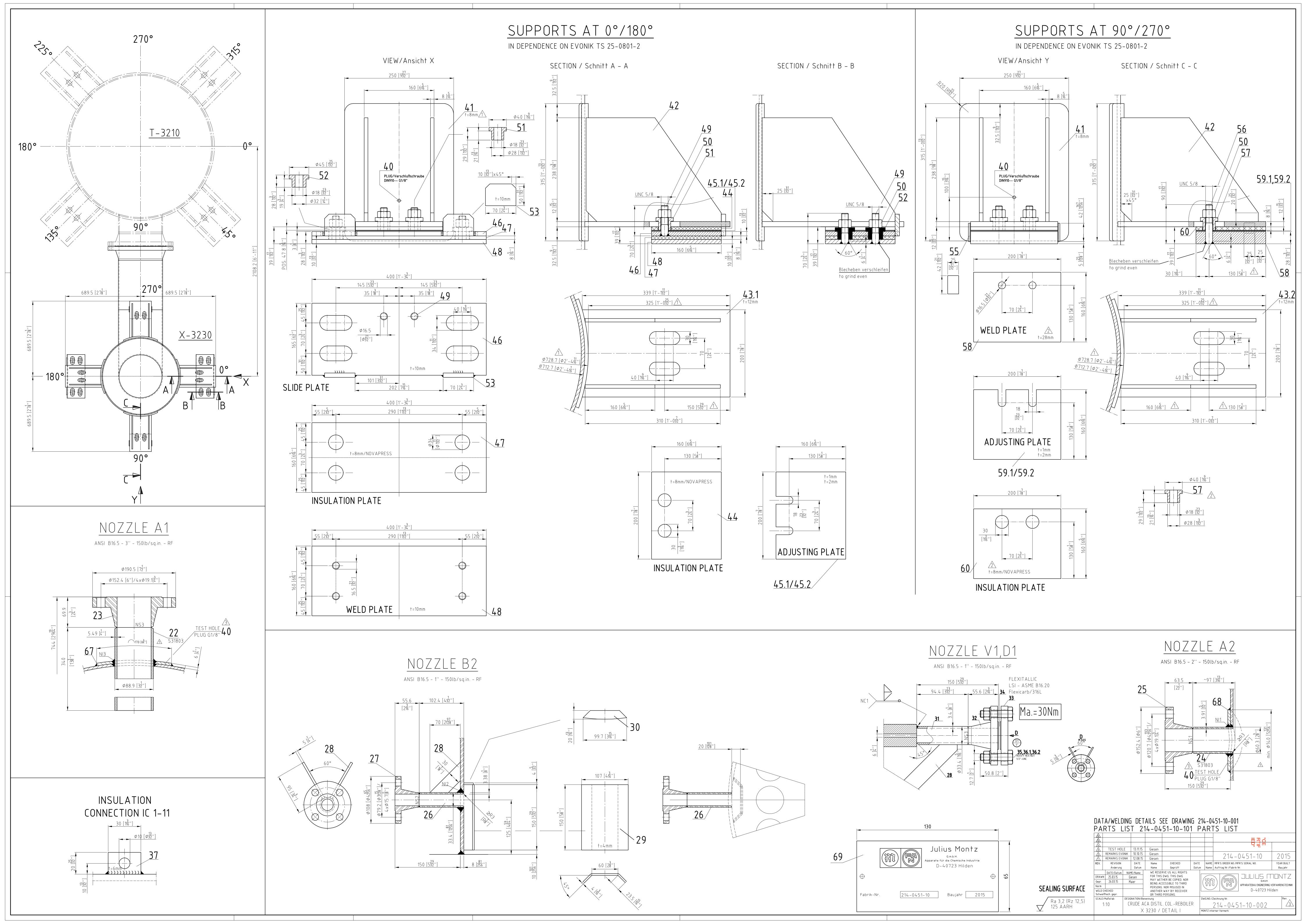
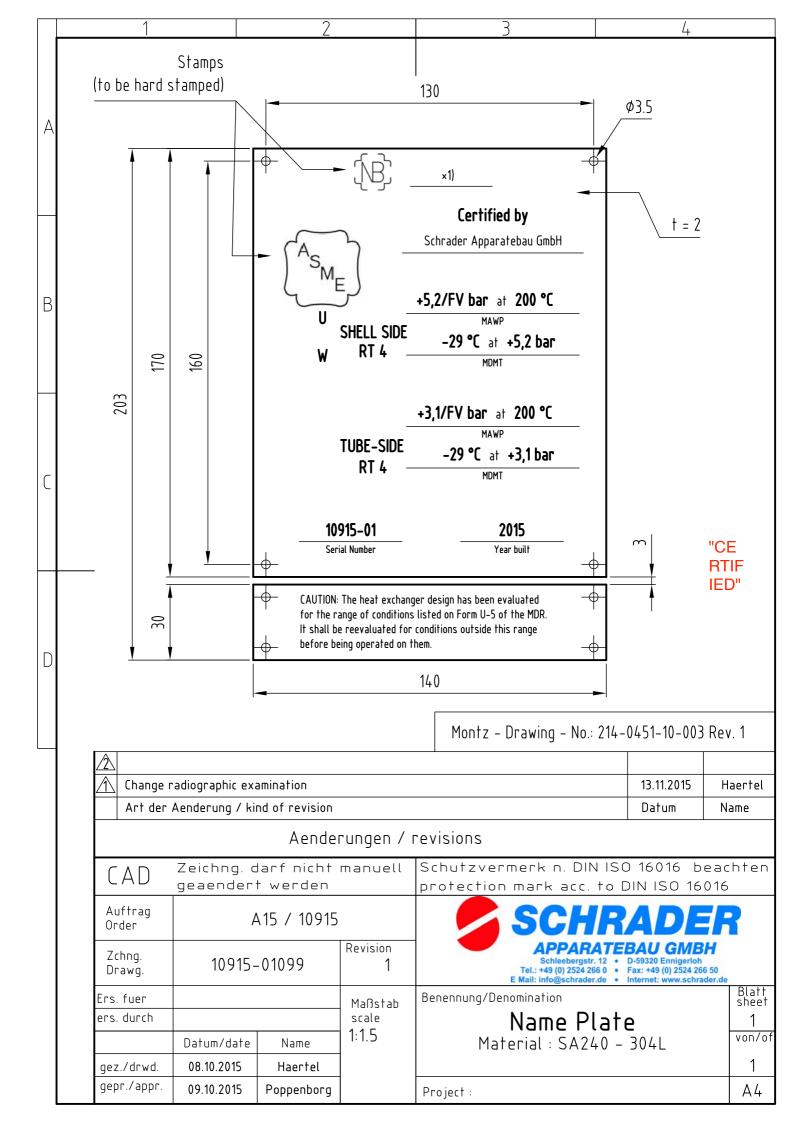
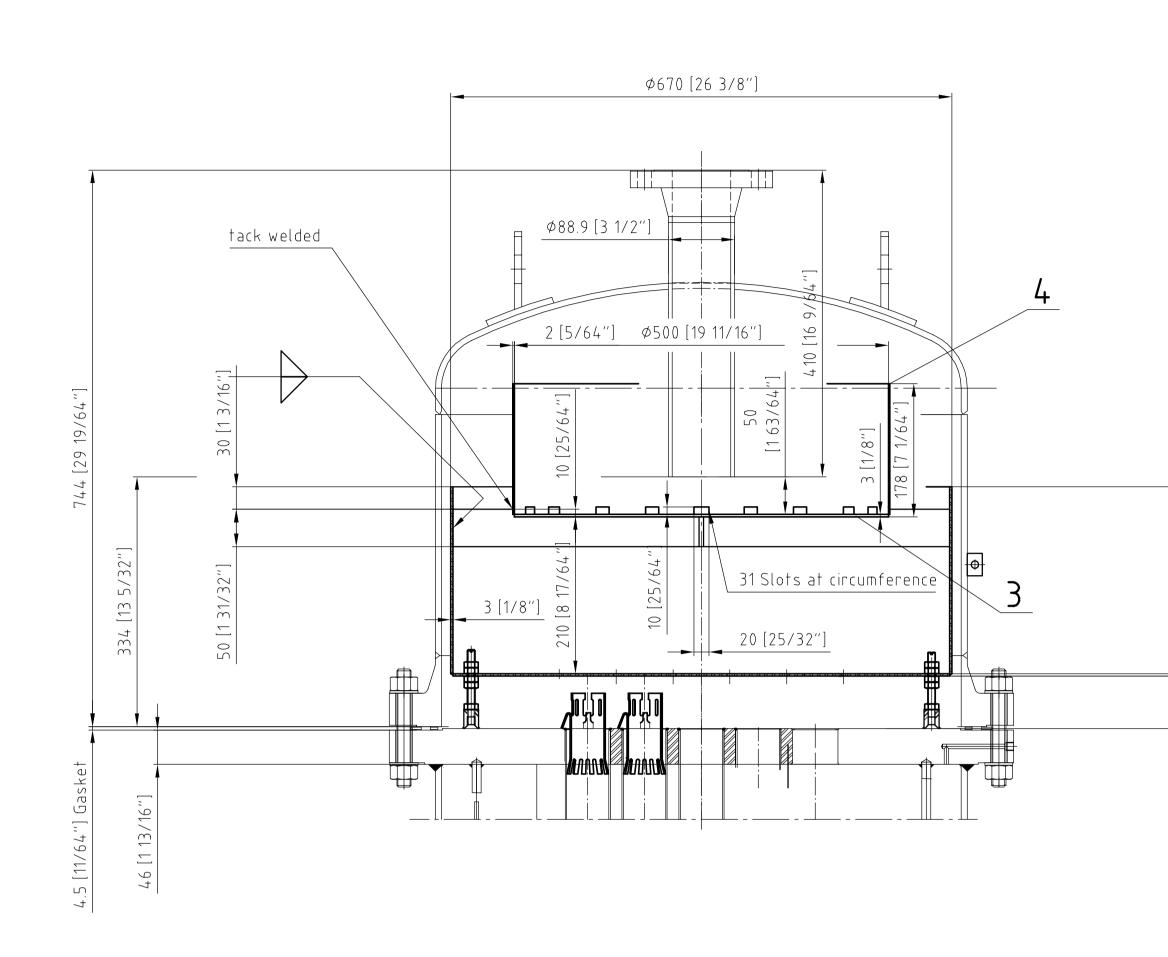


		FLANGE YPE DESIGN. FAC. MATER			TUBE				0.D.		NOZZLE PROJ.	FUNCTION
١G	TYPE	DESIGN.	FAC.	MATERIAL	SCHED.	THK.	MATERIAL	Produce	INCH	mm	Stutzenüberst.	Funktion
ŧ	B16.5	WN	RF	SA182-F316L	40S	5.49mm	SA790-S31803	SEAMLESS	3.50	88.9	-	PRODUCT INLET
ŧ	B16.5	WN	RF	SA182-F316L	40S	3.91mm	SA790-S31803	SEAMLESS	2.375	60.3	-	STEAM INLET
ŧ	B16.5	WN	RF	SA182-F316L	Pl. 0.1875	5 mm	SA240-316L	WELDED	16	406.4	-	PRODUCT OUTLET
ŧ	B16.5	WN	RF	SA182-F316L	405	3.38mm	SA312-TP316L	SEAMLESS	1.315	33.4	-	CONDENSATEOUTLET
;	B16.11	WN	RF	SA182-F316L	405	3.38mm	SA312-TP316L	SEAMLESS	1.315	33.4	_	DRAIN
;	B16.11	WN	RF	SA182-F316L	405	3.38mm	SA312-TP316L	SEAMLESS	1.315	33.4	-	VENT
:	B16.47-B	WN	RF	SA182-F316L	-	-	-	-	-	-	-	BODY FLANGE
unge	B16.5 (20	09)										

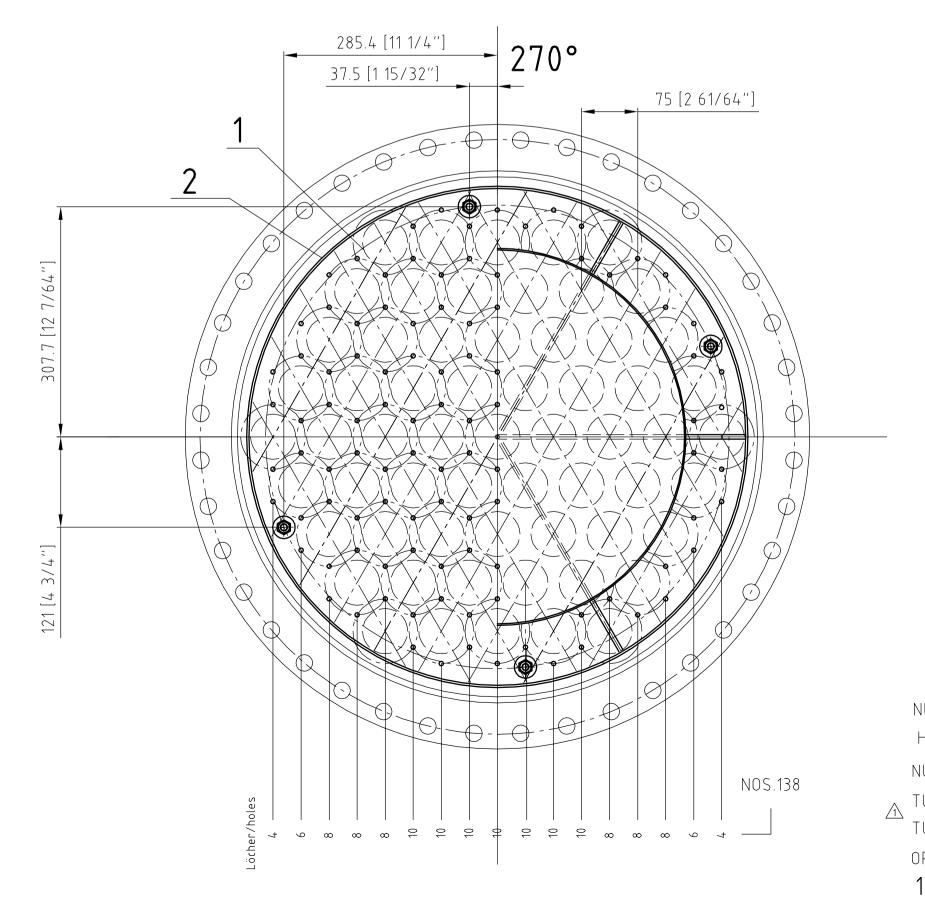
	-ASME Sect.VIII Div1:UG-80,U0 -TS 25-0108 NOTES/Bemerkungen BOLT HOLES TO STRADDLE CENTER LINES/Flanschach									
Π	TEST HOLES WITH/ <del>WITHOUT</del> PLUGS/Prüflöcher mit/ <del>o</del> SPARE PARTS/Reserveteile: BOLTS AND NUTS/Schra	ohne Stopfen (LOSED AFTER PRESSUF auben und Muttern×××%; GASKETS/Dichtungen	RE TEST [PLUGS G 1/8"] 2 SET/Satz; GLASES/Schaugläser – SET/Sat							
	OUTSIDE BOLT TFREADS SHALL BE PROTECTED WITH/Außenliegende Schraubengewinde schützen mit:   MoS2     FLANGE FACINGS SHALL BE PROTECTED WITH:/Oberflächen schützen mit:   COVER PLATE: WOOD/PLASTIC     OPEN NOZZLES TO BE CLOSED WITH/Offene Stutzen verschließen mit:   COVER PLATE: WOOD/PLASTIC     INSULATION/Isolierung:   2" NOT SUPPLIED BY MONTZ									
	TECHNICAL REQUIREMENT -EVONIK SPECIFICATION 2 -EVONIK SPECIFICATION 2 -EVONIK SPECIFICATION 2 -TS25-0101-1	CAUTION: The Co temperatures ma 20.230.013 relate to the des 20.230.014 exchanger design 20.230.036 operating conditi	de-required pressures and orked on the heat exchanger sign conditions. The heat in has been evaluted for specific ons and shall be reevaluated ated at different operating							
		Zugehörige Zeichnungen								
-	Reboiler X3230 - Detail I DGW.NO./Z.Nr. 2 Nameplate DGW.NO./Z.Nr. 2	214-0451-10-001 -   214-0451-10-002   214-0451-10-003   214-0451-11-001	DGW.NO./Z.Nr. DGW.NO./Z.Nr. DGW.NO./Z.Nr.							
	SS-PARTS/Edelstahlteile: PICKLED AND PASSIVATED/gebe	eizt und passiviert: ACC. TO 25-0205 (Include EVONIK r	J							
		OLD/PRELIMINART     PPROX. 2200 kg   GROSS WEIGHT/Gesamtgev     APPROX. 50 kg   VESSEL TEST WEIGHT:     APPROX   kg     VESSEL OPERATING WEIGH	APPROX. 4050 kg							
)	TESTING AND INSPECTIN	CERTIFIC. SPOT X) ULTRASONIC EXAMINATION								
332"]	Röntgen   LONGITUDINAL JOINTS/Längsnähte:     CIRCUMFERENTIAL JOINTS/Rundnähte:     WELD CROSSING/Stoßstellen:     ADDITIONAL MATERIAL TESTING/zusätzl. Materialprüfung:     x   TEST     REPORT	100% x) LEAK-TEST/Dichtheitsprü	INATION/Magnetpulverprüfung: –							
[11 <del>16</del> "."]	xx JOINT EFFICIENCY HEAD / SHELL SHELL Nozzle	0,85 - THE MINIMU	NG SEE CALCULATION M THICKNESS SHOWN ARE ED THICKNESS							
281[11	RT4									
20 [ <sup>25</sup> / <sub>32</sub> '']	DESIGN DATA / Berechnu       CONSTRUCTION CODE : ASI	5	/TEMA-R							
	DESIGN TEMPERATURE	TUBE SIDE	SHELL SIDE							
	DESIGN PRESSURE	3,1/-1 bar	5,2/-1 bar							
	Max. Allowable Working Pressure Min. Design Metal Temperature	3,1/-1 bar at 200°C -29°C at 3,1 bar	5,2/-1 bar at 200°C -29°C at 5,2 bar							
	TEST PRESSURE y)	V=5,8/H=6,3 bar	V=9,6/H=9,9 bar							
norizontal position 3270 together: 7,1 bar	y) Shop test pressure in horizontal positio	•	sition							
5270 Togerner. 7,1 but	J CAPACITY JOINT EFFICENCY	1250L (1,250m³) 0,85	540L (0,540m³) 0,85							
	CORROSION ALLOWANCE	No	No							
	SEISMIC LOADING	Acc. to IBC 2009 >THEODORE ALABAMA								
	WIND SPEED		Y C> 50' ABOVE GRADE							
rnal bolt to be	0PERATING PRESSURE 0PERATING TEMPERATURE (°C)	0,026 bar	1,15 bar							
pricant!	INLET/OUTLET	80,5/79,5°C	103.6/101.5°C							
	PROCESS FLUID DENSITY (kg/m³)	CRUDE ACA <=1000 kg/m <sup>3</sup>	STEAM <=1000 kg/m³							
	DESIGN CHECK / Entwurfspruefu		E/Berechnungsvorschrift							
	TÜV NORD SYSTEMS   ASME CODE Sect. VIII Div.1 Ed. 2013; TEMA-R;     INSPECTION AUTHORITY/Abnahmegesellschaft   INSPECTION CODE/Abnahmevorschrift     TÜV NORD SYSTEMS   ASME RODE/Sect. VIII Div.1 Ed. 2013; TEMA-R;									
	MA <sup>-</sup>	TERIALS / MATERIAI	JX SHELL SIDE							
		dimension des tubes	espace dans la virole							
	SHELL BONNET	SA 240 - 316L	SA 240 - 316L							
	TUBESHEET	SA 240 - 316L SA240-316L or SA182-F316L								
	TUBES (sml) BAFFLE	SA 213 - TP 316L SA 240 316L	SA 240 316L							
	TIE RODS		SA 240 316L SA 479 316L							
	NOZZLE	SA 312 - TP 316L SA 182 - F 316L	SA 312 - TP 316L SA 182 - F 316L							
	FLANGE STUDS A. NUTS	SA 182 - F 316L SA-193 B7 a. SA194 2H	SA 182 - F 316L mechanically galvanized acc. to ASTM B695, class 50							
	-NON LETHA									
	-VESSEL USE FOR NON CORROSION SERVICE -NOZZLE LOADS: INCREASE 10% INTERNAL PRESSURE									
	-IMPACT TEST AS PER PARA									
	-OUTDOOR LOCATION -HEAT TREATMENT:NONE PE									
omente (Nm)	NO. 214-0451-10-101	D PCS SEE SEPARATE PARTS								
L MC M <sup>1</sup> 1 M2	$^{-1}$ -INSPECTION AND TESTPLAN									
400 800 0 900 1800	-ERECTION PLACE: THEODOR -CODE CASES: NO	-NATIONAL BOARD REGISTRATION: YES / CRN: NO 📅 🖫 💍								
			- 11							
, CS6	REMARKS EVONIK     10.10.15     Giesen       A     REMARKS EVONIK     07.08.15     Giesen									
	1- DRAW. RUN EVONIK     19.03.15     Giesen       1     VISIT EVONIK 03-02-2015     12.02.15     Kni.       REV.     REVISION     DATE     Name	CHECKED DATE NAME MFR'S ORDE	14-0451-10     2015       r no./mfr's serial no.     year built							
	DRAWN 16.01.15 Knippenberg FOR THIS D	Geprüft Datum Name Auftrag Nr. VE US ALL RIGHTS DWG. THIS DWG								
	Gepr. 16.01.15 Jansen MAY WETH   Norm PERSONS. N   WELD CHECKED ANOTHER V	NOR MISUSED IN WAY BY RECEIVER	G.m.b.H. APPARATEBAU ENGINEERING VERFAHRENSTECHNIK D-40723 Hilden							
پنځ کې کې WELDED INSIDE	Schweißtech. gepr.     OR THIRD P       SCALE/Maßstab     DESIGNATION/Benennung       1:10     CRUDE ACA DISTIL.	DWG.NO./Zeichnung Nr.	0/.51_10_001							
WELDED INSIDE	X 3230 / L									

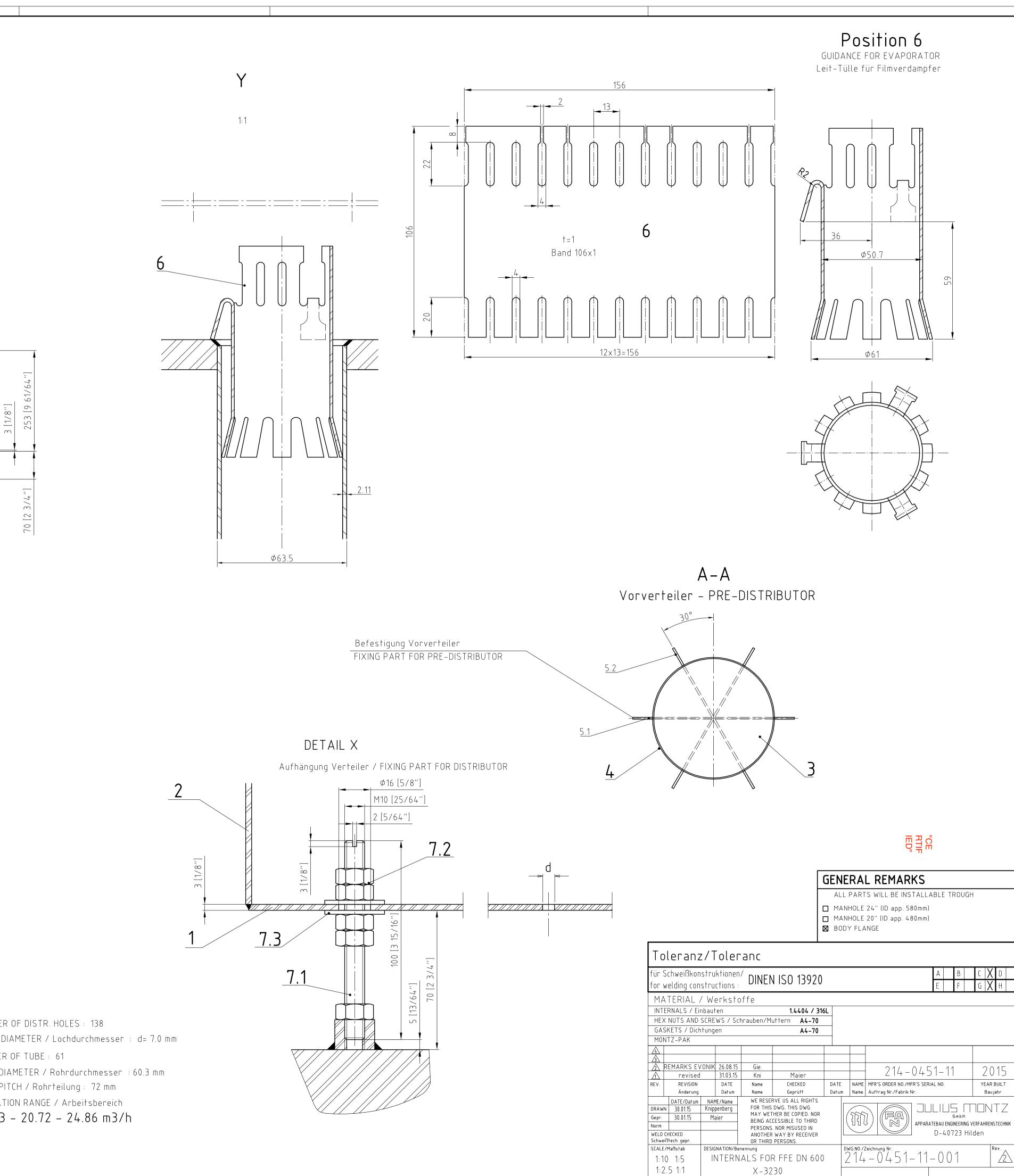






B-B DISTRIBUTOR / Verteiler





NUMBER OF DISTR. HOLES: 138 HOLE DIAMETER / Lochdurchmesser : d= 7.0 mm NUMBER OF TUBE : 61 TUBE DIAMETER / Rohrdurchmesser : 60.3 mm TUBE PITCH / Rohrteilung : 72 mm OPERATION RANGE / Arbeitsbereich 12.43 - 20.72 - 24.86 m3/h

X-3230