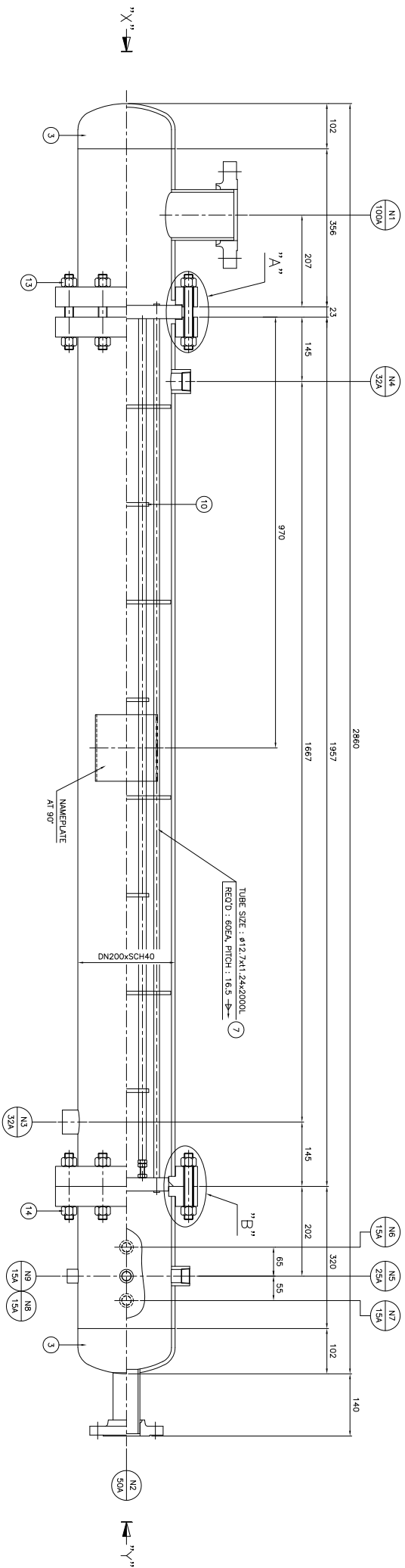
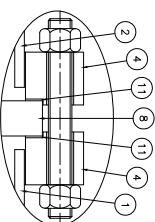
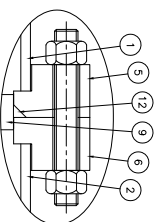




AFTER COOLER

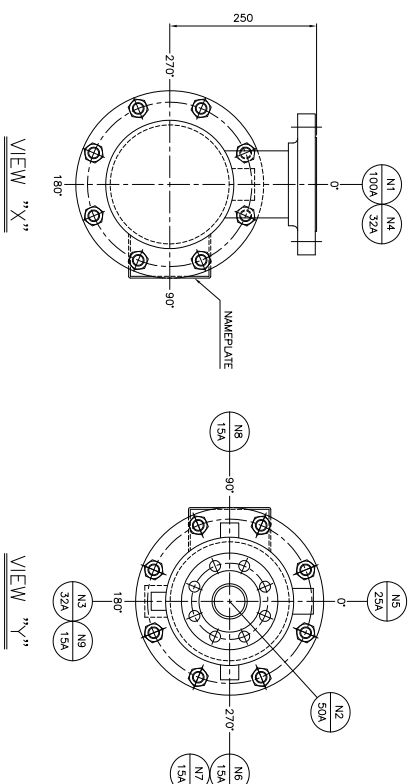


DETAIL "A"



DETAIL "B"

DESIGN DATA									
CODE OR REGULATION		ASME SEC.VIII DIV.1 2023 ED. & KGS AC111							
SHELL SIDE		TUBE SIDE							
FLUID CIRCULATED		COOLING WATER		N2 GAS					
INLET TEMPERATURE		32 °C		171 °C					
OUTLET TEMPERATURE		40 °C		42 °C					
INLET PRESSURE		0.49 MPaG		2.45 MPaG					
DESIGN PRESSURE		0.59 MPaG		2.7 MPaG					
DESIGN TEMPERATURE		75 °C		200 °C					
HYDRO TEST PRESS.		0.767 MPaG		3.51 MPaG					
CORROSION ALLOWANCE		1.0 mm		1.0 mm					
JOINT EFFICIENCY(S/H)		0.7 / -		0.7 / 1.0					
RADIOGRAPH (Shell/Head)		- / -		NO / Y / SNLS					
STRESS RELIEF		NO		FULL					
P.W.H.T		NO		NO					
IMPACT TEST		NO		NO					
M.A.M.T		-29°C at 0.59 MPaG		-29°C at 2.7 MPaG					
M.A.W.P		0.59 MPaG at 75°C		2.7 MPaG at 200°C					
NO. OF PASSES		1		1					
VOLUME		0.048 m³		0.037 m³					
HEAT TRANSFER AREA		4.63 m²							
BUNDLE WEIGHT		72 kg		EMPTY		270 kg			
N9 HALF COUPLING		SA105		N8 HALF COUPLING		SA105			
PT 15A		-		PT 15A		-			
N4 HALF COUPLING		SA105		N3 HALF COUPLING		SA105			
PT 32A		-		PT 32A		-			
N5 HALF COUPLING		SA105		N6 HALF COUPLING		SA105			
PT 15A		-		PT 15A		-			
N6 HALF COUPLING		SA105		N7 HALF COUPLING		SA105			
PT 15A		-		PT 15A		-			
N8 HALF COUPLING		SA105		PT 15A		PRESS. SWITCH			
PT 15A		-		PT 15A		DRAIN			



- NOTE**
1. ALL DIMENSION IN MILLIMETER UNLESS OTHERWISE NOTED.
 2. ALL FLANGE BOLT HOLES TO STABDIE THE NATURAL VESSEL CENTERLINES UNLESS OTHERWISE SPECIFIED.
 3. GASKET SPECIFICATION COMPRESSED SHEET (SYNTHETIC FIBER+NBK)
- MODEL NO. : C-4430, MAAYER : KLINGER

[illegible]