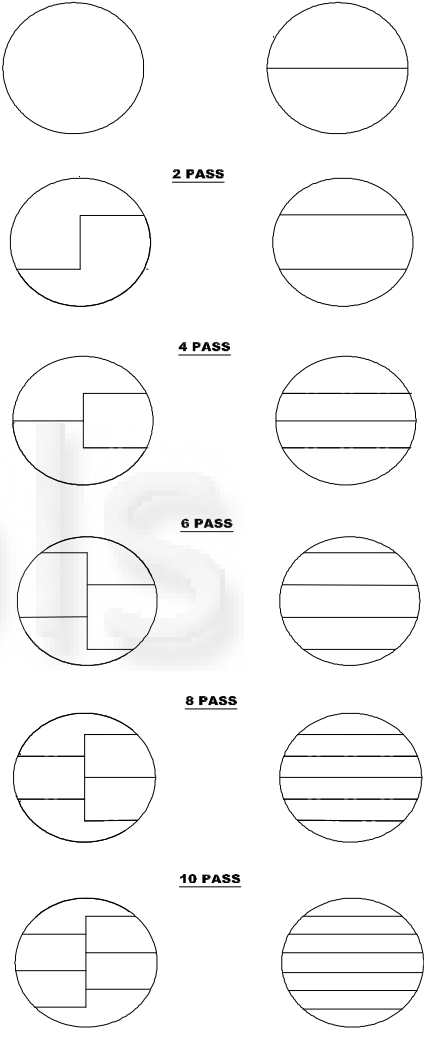
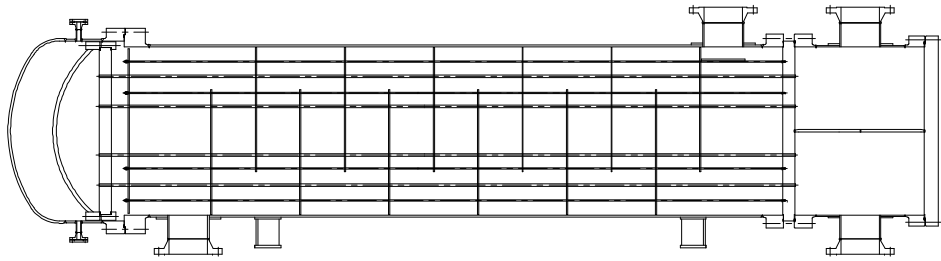


Floating Head Heat Exchanger (AES) Cost Estimation & Drawing
Excel Program



Details

<p>Version : 1 Release Date : 15 December , 2020 Software : Excel Size : 1.5 MB Design Type : Mechanical</p> <p>Design Code : ASME Sec. VIII Div. 1 & TEMA TEMA Type : AES</p> <p>Options : Passes : 2, 4, 6, 8, 10, 12 Nozzle Flange : Slip On and Weld Neck Material : SS304, SS304L, SS316, SS316L,CS (SA516) and Custom to adc</p> <p>Output : 1. BOQ with Costing. 2. G.A Drawing (Hori. Pos. Only) in PDF File. Purpose : Pre-Bid/Costing and preparation of fabrication drawing (Drg. not to use for fabrication purpose)</p>	<p style="text-align: center;">Pass Patterns</p>  <p style="text-align: center;">2 PASS</p> <p style="text-align: center;">4 PASS</p> <p style="text-align: center;">6 PASS</p> <p style="text-align: center;">8 PASS</p> <p style="text-align: center;">10 PASS</p> <p style="text-align: center;">12 PASS</p>
	

Input Sheet

	Shell Side	Tube Side
Material	CS 70	SS316
Passes	1	4
Nozzles	Inlet	300 NB
	Outlet	300 NB
	Vent	25 NB
	Drain	25 NB
Flange rating	300#	300#
Nozzle schedule	80	80

Shell ID / Thk / Length	1300	25	4120
Shell Cover ID / Thk / Length	1438	28	200
Channel Shell Thk / Length	20	620	
Dish Thk Nom / Min	32	26	
Floating Head Dish Nom / Min	48	45	
Tubesheet FT / ST Thk	105	120	
Partition Plate / Ch. Cover Thk	14	145	

Tube	
OD	19.05
Thk	2.11
Length	5000
Qty	1738
Pitch	25.4
Layout	60

Baffle	
Qty	10
Thk	10
Spacing	350
Inlet Spacing	750
% Cut	45
Position	Hori.

Body Flange	THK	ID	OD	BCD	go	gi	Rh	E	h	Boit Size (M)	Qty
F1	172	1438	1722	1646	28	56	48	38	84	36	60
F2	213	1300	1722	1646	25	50		38	75		
F3	152	1300	1572	1496	25	50	48	38	75	36	48
F4	176	1300	1572	1496	20	40	48	38	60		
F5	155	1300	1552	1476	20	40	48	38	60	36	40
Fltg. Hd. Flg.	203	1263	1414	1338						36	48
Backing Ring	140	1258	1414	1338							

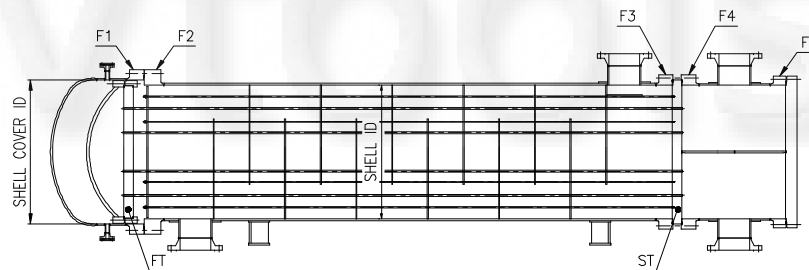
M	12
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OTL	1250
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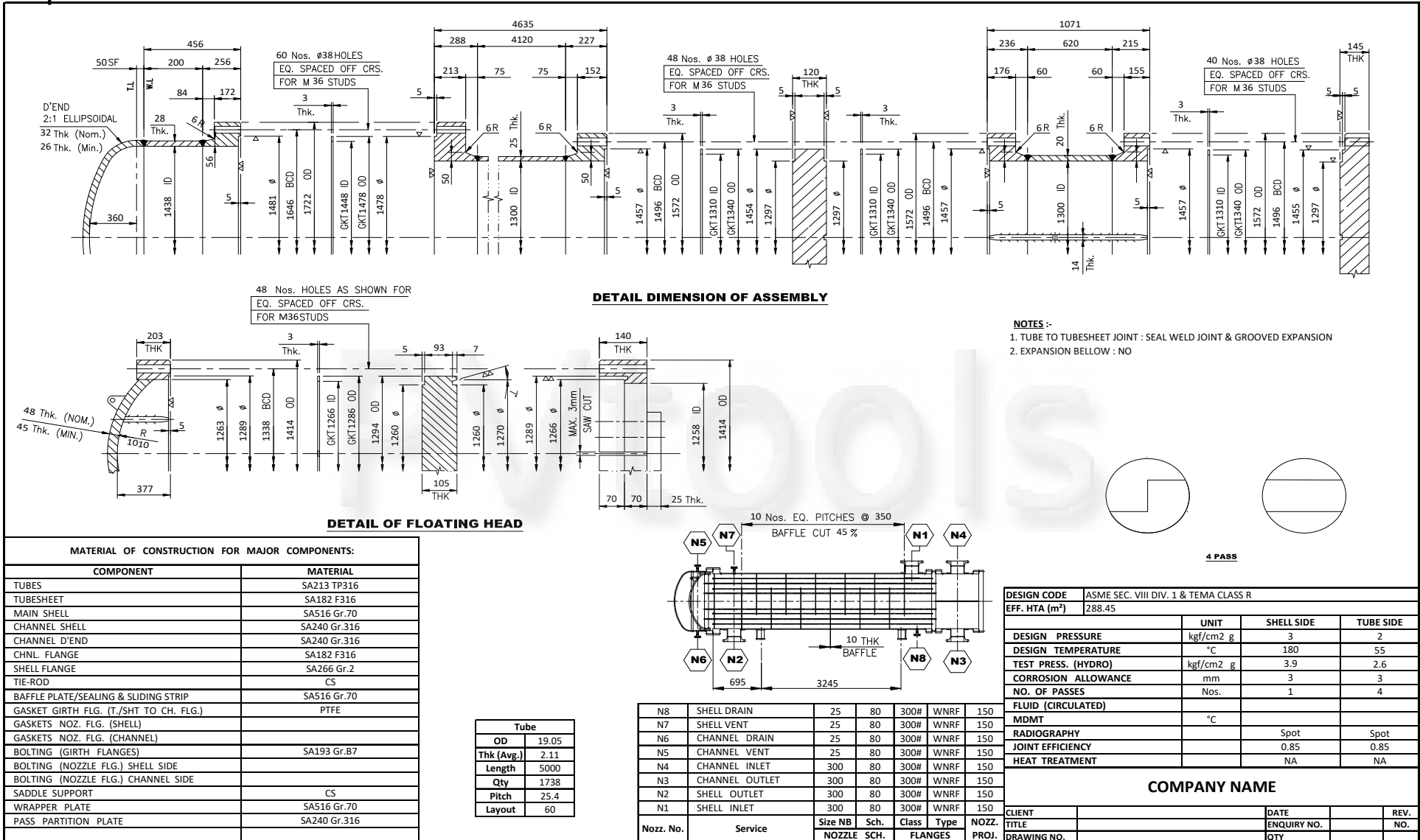
Nozz. Flange WNRF

Tubesheet	FT	ST
OD	1294	1454
STEP ø	1260	1297
GSK ID	1266	1310
GSK OD	1286	1340

COMPONENT	MATERIAL
TUBES	SA213 TP316
TUBESHEET	SA182 F316
MAIN SHELL	SA516 Gr.70
CHANNEL SHELL	SA240 Gr.316
CHANNEL D'END	SA240 Gr.316
BODY FLANGE (TS)	SA182 F316
BODY FLANGE (SS)	SA266 Gr.2
TIE-ROD	CS
BAFFLE	SA516 Gr.70
GASKET GIRTH FLANGE	PTFE
BOLTING (GIRTH FLANGES)	SA193 Gr.B7
GASKETS NOZ. FLG.	PTFE
SADDLE SUPPORT	CS




Output



Demo Video

	<p>Watch Online Link http://tiny.cc/4zq6tz</p>
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