

FIGURE G-5.2  
HEAT EXCHANGER SPECIFICATION SHEET

1						Job No.
2	Customer					Reference No.
3	Address					Proposal No.
4	Plant Location			Date	Rev.	
5	Service of Unit					Item No.
6	Size	Type	(Hor/Vert)	Connected in	Parallel	Series
7	Surf/Unit (Gross/Eff.)		Sq Ft; Shells/Unit	Surf/Shell (Gross/Eff.)		Sq Ft
8	<b>PERFORMANCE OF ONE UNIT</b>					
9	Fluid Allocation			Shell Side		Tube Side
10	Fluid Name					
11	Fluid Quantity Total			Lb/Hr		
12	Vapor (In/Out)					
13	Liquid					
14	Steam					
15	Water					
16	Noncondensable					
17	Temperature (In/Out)			°F		
18	Specific Gravity					
19	Viscosity, Liquid			Cp		
20	Molecular Weight, Vapor					
21	Molecular Weight, Noncondensable					
22	Specific Heat			Btu / Lb °F		
23	Thermal Conductivity			Btu Ft / Hr Sq Ft °F		
24	Latent Heat			Btu / Lb @ °F		
25	Inlet Pressure			Psia		
26	Velocity			Ft / Sec		
27	Pressure Drop, Allow. /Calc.			Psi		
28	Fouling Resistance (Min.)			Hr Sq Ft °F / Btu		
29	Heat Exchanged			Btu / Hr:MTD (Corrected)		°F
30	Transfer Rate, Service			Clean		Btu / Hr Sq Ft °F
31	<b>CONSTRUCTION OF ONE SHELL</b>					Sketch (Bundle/Nozzle Orientation)
32				Shell Side		Tube Side
33	Design / Test Pressure			Psig		/ /
34	Design Temp. Max/Min			°F		/ /
35	No. Passes per Shell					
36	Corrosion Allowance					
37	Connections					
38	Size & Rating					
39	Intermediate					
40	Tube No.	OD	In;Thk (Min/Avg)	In;Length	Ft;Pitch	In $\leftarrow$ 30 $\rightarrow$ 60 $\rightarrow$ 90 $\rightarrow$ 45
41	Tube Type			Material		
42	Shell	ID	OD	In	Shell Cover	(Integ.) (Remov.)
43	Channel or Bonnet			Channel Cover		
44	Tubesheet-Stationary			Tubesheet-Floating		
45	Floating Head Cover			Impingement Protection		
46	Baffles-Cross			Type	%Cut (Diam/Area)	Spacing: c/c Inlet In
47	Baffles-Long			Seal Type		
48	Supports-Tube			U-Bend	Type	
49	Bypass Seal Arrangement			Tube-to-Tubesheet Joint		
50	Expansion Joint			Type		
51	pV <sup>2</sup> -Inlet Nozzle			Bundle Entrance	Bundle Exit	
52	Gaskets-Shell Side			Tube Side		
53	Floating Head					
54	Code Requirements			TEMA Class		
55	Weight / Shell			Filled with Water	Bundle	Lb
56	Remarks					
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