C-8.1 CLOSED FEEDWATER HEATER SPECIFICATION SHEET – ENGLISH UNITS

	Customer				Date	
	Engineer/Consultant				Cust. Ident. No.	
	Address				Mfg. Ident. No.	
	Plant Name				Proposal No.	
	Plant Location				Job No.	
1	Service of Unit				Item No.	
2	Size	Type			Prepared By	
3	Surface Per Shell		Effective	Sq. Ft.	Total	Sq. Ft.
4	No. of Shells Per Unit		No. of Units		Position	

PERFORMANCE OF ONE SHELL

			Shell Side	Tube Side
5	Fluid Circulated		Steam Drains	Feedwater
6	Total Fluid Entering	#/HR.		
7				
8	Inlet Enthalpy	BTU/#		
9	Outlet Enthalpy	BTU/#		
10	Inlet Temperature	°F	(SAT.)	
11	Outlet Temperature	°F		
12	Operating Pressure	PSIA		
13	Number of Passes			
14	Velocity	FT/SEC	Not Applicable	
15	Pressure Drop	PSI	DSH DC	

		Heat Exchanged BTU/HR	Surface Sq. Ft. Effective	LMTD °F	Transfer Rate BTU/HR-- SQ. FT. -- °F	Baffle Spacing	Reference Temperature Differences
16	Desuperheating Zone						TTD °F
17	Condensing Zone						
18	Drain Subcooling Zone						DCA °F

CONSTRUCTION – EACH SHELL

			Shell Side	Tube Side
19	Design Pressure	PSIG		
20	Test Pressure	PSIG		
21	Design Temperature	°F	SHELL SKIRT	

22	Minimum Design Metal Temperature °F			Shell Side	Tube Side	
23	Tubes	No.	(U's) (STR) O.D.	BWG WALL	(avg/min)	Length
24	Shell	Steel	I.D.	THICKNESS	Pitch	TRIANGULAR
25	Shell Cover	Steel – Welded to Shell		Shell Skirt		THICKNESS
26	Channel	Steel		Channel Cover		Steel
27	Tubesheet	Steel		Overlay		
28	Support Plates – Steel	Air Baffle		Zone Baffle – Steel		
29	Shrouds: DSH	DC		Impingement Baffles		
30	Type Joints—Shell Side			Tube Side		
31	Gasket-Shell			Channel		
32	Connections: Steam – Inlet	(W.E.) (FLGD)		Drains – Inlet	(W.E.) (FLGD)	
33	Drains – Outlet	(W.E.) (FLGD)				
34	Feedwater – Inlet	(W.E.) (FLGD)		Outlet	(W.E.) (FLGD)	
35	Code Requirements: ASME SECT. VIII DIV.			Heat Exchange Institute		
36	Weights – Shell and Bundle			Bundle	Flooded	
37	Accessories: Shell Relief Valve			Tube Side Relief Valve		
38	Shell Gage Glass					
39	Method of Tube Attachment (Rolled) (Welded)					
40	Remarks:					
41						
42						
43						

C-8.2 CLOSED FEEDWATER HEATER SPECIFICATION SHEET – SI UNITS

	Customer				Date	
	Engineer/Consultant				Cust. Ident. No.	
	Address				Mfg. Ident. No.	
	Plant Name				Proposal No.	
	Plant Location				Job No.	
1	Service of Unit				Item No.	
2	Size	Type			Prepared By	
3	Surface Per Shell		Effective	m^2	Total	m^2
4	No. of Shells Per Unit		No. of Units		Position	

PERFORMANCE OF ONE SHELL

			Shell Side	Tube Side
5	Fluid Circulated		Steam Drains	Feedwater
6	Total Fluid Entering	Kg/s		
7				
8	Inlet Enthalpy	kJ/Kg		
9	Outlet Enthalpy	kJ/Kg		
10	Inlet Temperature	°C	(SAT.)	
11	Outlet Temperature	°C		
12	Operating Pressure (abs)	kPa		
13	Number of Passes			
14	Velocity	m/s	Not Applicable	
15	Pressure Drop	kPa	DSH DC	

		Heat Exchanged MW	Surface m^2 Effective	LMTD °C	Transfer Rate w/m^2 • °C	Baffle Spacing	Reference Temperature Differences
16	Desuperheating Zone						TTD °C
17	Condensing Zone						
18	Drain Subcooling Zone						DCA °C

CONSTRUCTION – EACH SHELL

			Shell Side	Tube Side
19	Design Pressure	kPag		
20	Test Pressure	kPag		
21	Design Temperature	°C	SHELL SKIRT	

22	Minimum Design Metal Temperature °C				Shell Side	Tube Side
23	Tubes	No.	(U's) (STR)	O.D.	BWG WALL	(avg/min) Length
24	Shell	Steel	I.D.		THICKNESS	Pitch TRIANGULAR
25	Shell Cover	Steel – Welded to Shell			Shell Skirt	THICKNESS
26	Channel	Steel			Channel Cover	Steel
27	Tubesheet	Steel			Overlay	
28	Support Plates – Steel		Air Baffle		Zone Baffle – Steel	
29	Shrouds:	DSH	DC		Impingement Baffles	
30	Type Joints—Shell Side				Tube Side	
31	Gasket-Shell				Channel	
32	Connections: Steam – Inlet		(W.E.) (FLGD)		Drains – Inlet	(W.E.) (FLGD)
33	Drains – Outlet		(W.E.) (FLGD)			
34	Feedwater – Inlet		(W.E.) (FLGD)		Outlet	(W.E.) (FLGD)
35	Code Requirements:	ASME SECT. VIII DIV.			Heat Exchange Institute	
36	Weights – Shell and Bundle				Bundle	Flooded
37	Accessories: Shell Relief Valve				Tube Side Relief Valve	
38	Shell Gage Glass					
39	Method of Tube Attachment (Rolled) (Welded)					
40	Remarks:					
41						
42						
43						