C-8.1 CLOSED FEEDWATER HEATER SPECIFICATION SHEET – ENGLISH UNITS

| Г | O | | | | | | D | - 4 - | | | |
|---------|---|----------------------------------|-----------------------|---------------------|------------|------------|--------|------------------|------------|------|--|
| - | Outstonner Date Engingen/Congultant Outst Mark N | | | | | | | | | | |
| - | Engineer/Consultant Cust. Ident. No. | | | | | | | | | | |
| | Address Mfg. Ident. N | | | | | | | | | | |
| | Plant Name | Proposal No. | | | | | | | | | |
| | Plant Location | | | | | | | Job No. | | | |
| 1 | Service of Unit | | Item No. | | | | | | | | |
| 2 | Size | | Prepared By | | | | | | | | |
| 3 | Surface Per Shell | Sq. Ft | Sq. Ft. Total Sq. Ft. | | | | | | | | |
| 4 | No. of Shells Per Unit | No. o | f Units | nits Position | | | | | | | |
| ľ | PERFORMANCE OF ONE SHELL | | | | | | | | | | |
| ŀ | Shall Sida Tuba Sida | | | | | | | | | | |
| 5 | Fluid Circulated | | Steam Drain | | | raing | | Fee | dwater | | |
| 6 | Total Fluid Entoring #(ID) | | | oteam | D. | Drains | | I couwater | | | |
| 7 | | <i>#/111</i> . | | | | | | | | | |
| | Inlat Entholmy | D/TT 1/# | | | | | | | | | |
| | Orathet Earth alars | DTU/# | | | | | | | | | |
| 10 | | BIU/# | | | | | | | | | |
| 10 | Inlet Temperature | ~F | | (| SAT.) | | | | | | |
| 11 | Outlet Temperature | <u>"F'</u> | | | | | | | | | |
| 12 | Operating Pressure | PSIA | | | | | | | | | |
| 13 | Number of Passes | | | | | | | | | | |
| 14 | Velocity | FT/SEC | | Not 4 | Applicable | | | | | | |
| 15 | Pressure Drop | PSI | DS | H | DC | | | | | | |
| ſ | | | | Surface | | Transfer R | ate | | Refere | nce | |
| | | nged Sa. Ft. | | LMTD | BTU/HR | | Baffle | Temperature | | | |
| | | BTU/HI | R | Effective | °F | SQ. FT | °F | Spacing | Differen | ices | |
| 16 | Desuperheating Zone | | | | | | | | mmp | 0.15 | |
| 17 | Condensing Zone | | | | | | | | TTD | °F | |
| 18 | Drain Subcooling Zone | | | | | | | | DCA | °F | |
| ŀ | | | | | | | | | | | |
| ŀ | | | | | | | | | | | |
| 10 | Degign Progguro | PSIC | | | | | | Iu | | | |
| 20 | Togt Program | PSIC | | | | | | | | | |
| 20 | Design Temperature | - 151G •F | сu | דוז | SKIDT | | | | | | |
| <u></u> | 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. | THI | CKNESS | Pit | ch | TRIANG | | |
| 25 | Shell Cover | Steel – Weld | led to | Shell | Shel | I Skirt | | | THICKN | ESS | |
| 26 | Channel | Steel | | | Cha | nnel 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 | Type Joints—Shell Side Tube Side | | | | | | | | | |
| 31 | Gasket-Shell Channel | | | | | | | | | | |
| 32 | Connections: Steam – Ir | ılet | I) | W.E.) (FLGD) | | Drains – I | nlet | (W. | E.) (FLGD) | | |
| 33 | Drains – C | Outlet | I) | 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 | | | | | | | | | | | |
| -10 | | | | | | | | | | | |

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 | 2 Size Type Prepared By | | | | | | | epared By | | |
| 3 | Surface Per Shell | m ² | 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 | Dı | 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 A | Applicable | | | | | |
| 15 | Pressure Drop | kPa | DS | Н | DC | | | | | |
| | | | | Surface | | | | | Refere | nce |
| | | Heat Excha | nged | m ² | LMTD | Transfer R | late | Baffle | Tempera | ture |
| | | MW | | Effective | °C | w/m² • °(| 2 | Spacing | Differen | nces |
| 16 | Desuperheating Zone | | | | | | | | TTD | °C |
| 17 | Condensing Zone | | | | | | | | | 0 |
| 18 | Drain Subcooling Zone | | | | | | | | DCA | °C |
| | | C | ONS' | FRUCTION | N – EACH S | SHELL | | | | |
| | Shell Side Tube Side | | | | | | | | | |
| 19 | Design Pressure | kPag | | | | | | | | |
| 20 | Test Pressure | kPag | | | | | | | | |
| 21 Design Temperature °C SHELL SKIRT | | | | | | | | | | |
| 22 | Minimum Design Metal | Temperatur | e °C | | Shel | l Side | Tu | be Side | | |
| 23 | TubesNo.(U's) (STR)O.D.BWG WALL(avg/min)Length | | | | | | | | | |
| 24 | Shell | Steel | | I.D. | THI | CKNESS | Pit | ch | TRIANG | ULAR |
| 25 | Shell Cover | Steel – Weld | led to | Shell | Shel | l Skirt | | | THICKN | ESS |
| 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 | e Side | | | | |
| 31 | Gasket-Shell Channel | | | | | | | | | |
| 32 | Connections: Steam – Ir | nlet | () | W.E.) (FLGD) | | Drains – I | nlet | (W. | E.) (FLGD) | |
| 33 | Drains – C | Dutlet | () | 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 Attachm | Remarks: | | | | | | | | |
| 40 | nemarks: | | | | | | | | | |
| 41 | | | | | | | | | | |
| 42 | | | | | | | | | | |
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