



PR: Correct it to 81-W-501 A/C/E & B/D/F

PR: Tag number of fans to be added.

PR: Replace to each other. 81-W-503 at bottom and 81-W-504 at top.

PR: Hold notes shall be specified.

PR:  
- Write tag number of DCW make up tank (83-TK-808)  
- Put a note about like below about related PFD number:  
\* "Note 17: PFD number will be finalized during detail engineering."

PR: Add a row and write capacity in terms of m3/h (norm / max)

STREAM NO.	5001	5002	5003	5004	5005	5006	5007 (NOTE 7)	5008
TEMPERATURE, °C	47	25	37	37	37	37	37	60
PRESSURE, Barg	3.5	5.5	5.5	0.31	5.5	5.5	2	4.5
TOTAL MASS FLOW, kg/h	2.5E+07	532430	2.5E+07	2.6E+07	74882	1248029	520	2900
DENSITY, kg/m3	990.7	1007.5	998.4	998.3	998.4	998.4	998.3	983
VISCOSITY, Cp	0.57	0.89	0.69	0.69	0.69	0.69	0.69	0.46

REFERENCE DRAWINGS

DWG. NUMBER

Note :

1. DELETED.  
2. DELETED.  
3. DELETED.  
4. DELETED.  
5. 7 ELECTRICAL PUMPS ARE CONSIDERED FOR COOLING WATER PUMPS. (5 DUTY PUMPS + 2 SPARE PUMPS).  
6. REQUIRED CONTROL FLOW VALVE SHALL BE CONSIDERED BY FILTRATION PACKAGE VENDOR.  
7. STREAM PRESSURE AND BACK WASH FLOW RATE ARE PRELIMINARY AND WILL BE FINALIZED BY VENDOR DURING  
DETAIL DESIGN.  
8. DELETED.  
9. DELETED.  
10. 6 (5+1) COOLING WATER CELLS CONSIDERED.  
11. DELETED.  
12. DELETED.  
13. DELETED.  
14. DELETED.  
15. THE LOCATION OF PACKAGE 83-W-901 WILL BE CHECKED AND FINALIZED DURING DETAILED DESIGN ENGINEERING  
PHASE AS PER CONTRACT.  
16. WILL BE FINALIZED LATER

PR: Hold notes shall be specified.

Legend :

- As both of stream have a common destination,  
those shall be merged.  
- It will be finalized during technical meeting.

01	ISSUED FOR APPROVAL	20-Sep-2025	A.HOSEINGOO	M.JAMSHIDI	M.H.ESHRAGHI
00	ISSUED FOR COMMENT	18-Dec-2024	M.FALAHI	M.JAMSHIDI	E.SHAFAGHATI
REV.	PURPOSE OF ISSUE	ISSUE DATE	PREPARE	CHECKED	APPROVED
OWNER:		MC:		CONTRACTOR/CONSULTANT: 	
PROJECT TITLE: PROPANE DEHYDROGENATION (PDH) PROJECT					
DOCUMENT TITLE: PFD for Cooling Tower System					
DOC NO.:	PROJ.CODE	Sec.	PHASE	DEP.	DOC. TYPE
	3981	50	DE	PR	PFD
SCALE: 1:100	SIZE: A3	SHEET NO: 1 OF 1		REVISION: 01	CLASS: 1

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