



1. Client's Name	ABC ENGINEERS
2. Consultant	ABC CONSULTANTS
3. Drawn by	SSD
4. Checked by	ABC
5. Approved by	HR
6. Date	07-03-2025
7. Drawing Number	
8. Drawing Path	
9. Project No	PROJECT 123
10. Equipment No	EQPPY 123
11. Tag No	ABC-123
12. Company Job No	002 001
13. End User	ABC ENGINEERS
14. Revision No	0
15. System of Drawing Units: Imperial (Foot inch)	
1. Tube Diameter	1"
2. Number of Tubes	600
3. Length of Tube	15'
4. Tube Thickness BWG	16
5. Tube Thickness	3/16"
6. Distance of Tube Pitch	1 1/4"
7. Number of passes	3
8. Tube extension :	1/8"
9. Type of Pitch	Square
Coast Width for Fixed Tube Sheet	1/2"
Coast Width for Floating Tube Sheet	1/2"
*Fixed Tube Sheet Data	
1. Tube Sheet Type	Weld Flange
2. Outer Tube Limit	3"
3. PSD of Tube Sheet Flanges	4'-1 1/2"
4. OD of Left Tube Sheet	4'-5"
5. Thickness of Left Tube Sheet	3/4"
6. OD of Right Tube Sheet	4'-5"
7. Thickness of Right Tube Sheet	3/4"
*Flange Data	
1. Head Type	Fixed Head
2. OD of Fixed Flange	4'-5"
3. PSD of Fixed Flange	4'-1 1/2"
4. Type of Flange	Slip On
5. Number of Bolt Holes	36
6. Diameter of bolt holes	1 1/8"
7. Length of Stud Bolts	1 1/2"
8. Diameter of stud bolts	1 1/2"
9. Type of Right Flange	Slip On
*Shell Data	
1. Main Shell OD	3'-6"
2. Main Shell Thickness	3/4"
3. Gap in Baffle OD & Shell ID	3'-6"
4. Right Channel OD	3'-6"
5. Right Channel Thickness	3/4"
6. Length of Right Channel	3'-6"
7. Left Channel OD	3'-6"
8. Left Channel Thickness	3/4"
9. Length of Left Channel	3'
*Baffle Data	
1. Total Number of Baffles	12
2. Gap of End Baffles	1'-5"
3. Gap of Baffles	3'-5"
*Top cut Baffle Data	
1. Number of Baffles	5
2. Baffle Size % of Diameter	75.00
3. Thickness of Baffles	1/4"
*Bottom cut Baffle Data	
1. Number of Baffles	5
2. Baffle Size % of Diameter	75.00
3. Thickness of Baffles	1/4"
*Top / Bottom cut Baffle Data	
1. Number of Baffle	1
2. % Top cut	10.00
3. % Bottom Cut	10.00
4. Thickness of Baffles	1/4"
*Top / Bottom / Center cut Baffle Data	
1. Number of Baffle	1
2. % Top cut	5.00
3. % Bottom Cut	5.00
4. Horizontal % of Middle portion Vacant	50.00
5. Vertical % of Middle portion Vacant	50.00
6. Thickness of Baffle	1/4"
*Tie Rods Data	
1. Number of Tie Rods	4
2. Diameter of Tie Rods	5/8"
3. Length of Tie Rods	13'-2 3/8"

[illegible]

REV	DESCRIPTION	DATE	REVISION	SIZE	IN	NO.
0	07-03-2025					
REV	DATE	DESCRIPTION			DRN	CHKD
		REVISION LIST				APPD
		COMPANY NAME				
		CITY				
DRN	USD	Client: ABC ENGINEERS				
DATE	07-03-2025	Consultants: ABC CONSULTANTS				
CHKD	NRK	End User: ABC ENGINEERS				
DATE	07-03-2025	Title :				
APPD	HRM	GENERAL ARRANGEMENT				
DATE	07-03-2025					
SCALE	1:20.0					
	SHEET	C				
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DRAWING No.:		DWS, No.: hsl/10e-df80		SHEET 3 OF 3		REV. No. 0
PROJECT No.:		PROJECT 123		EQUIP No.:		EQUIPT 123
JOB No.:		XYZ 001				
CLIENT'S PO No.:						

WPN	QTY	NOZZLE			FLANGE		RF PWD	NOZZLE	WELD SET	SCALE 1"
No	No	SIZE	TYPE	GLASS	FACE	OD	LENGTH	1" A B	SHEET C	
N1	1	SHELL INLET	6"	80	ASME B16.5	300	WVRF	10" 3/4"	W2 3/4" 3/4"	THE COMPANY ASSUMES NO LIABILITY FOR ALL USE OF THIS PRODUCT
N2	1	SHELL OUTLET	6"	80	ASME B16.5	300	WVRF	10" 3/4"	W2 3/4" 3/4"	
N3	1	CHANNEL INLET	6"	80	ASME B16.5	300	WVRF	10" 3/4"	W2 3/4" 3/4"	
N4	1	CHANNEL OUTLET	6"	80	ASME B16.5	300	WVRF	10" 3/4"	W2 3/4" 3/4"	
N5	1	SHELL WELD + BF	1 1/2"	160	ASME B16.5	300	WVRF	5 1/2" 3/4"	W2 3/4" 3/4"	TAG NO.
N6	1	SHELL DRAIN + BF	1 1/2"	160	ASME B16.5	300	WVRF	5 1/2" 3/4"	W2 3/4" 3/4"	HE-123