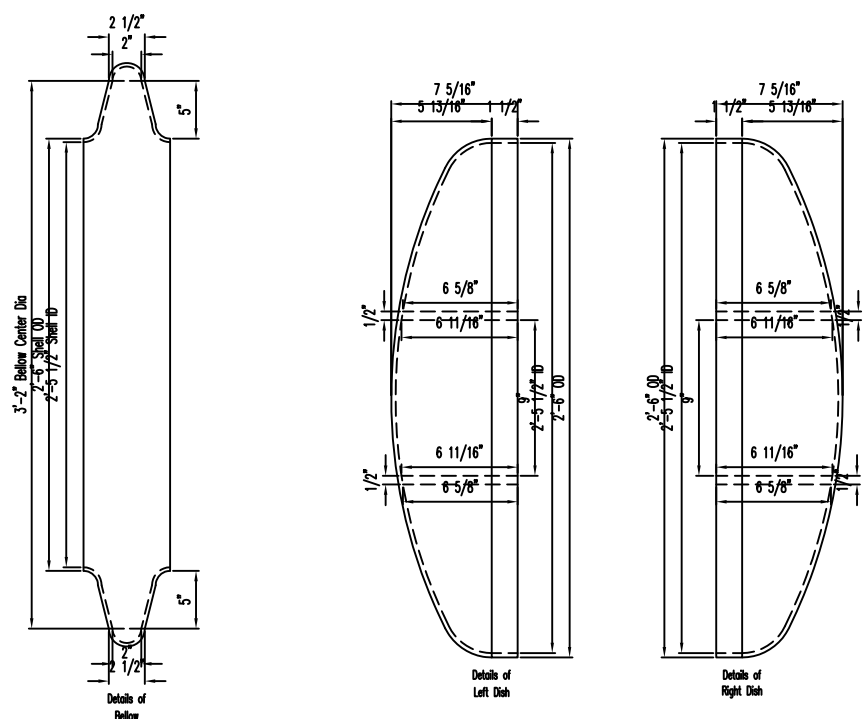
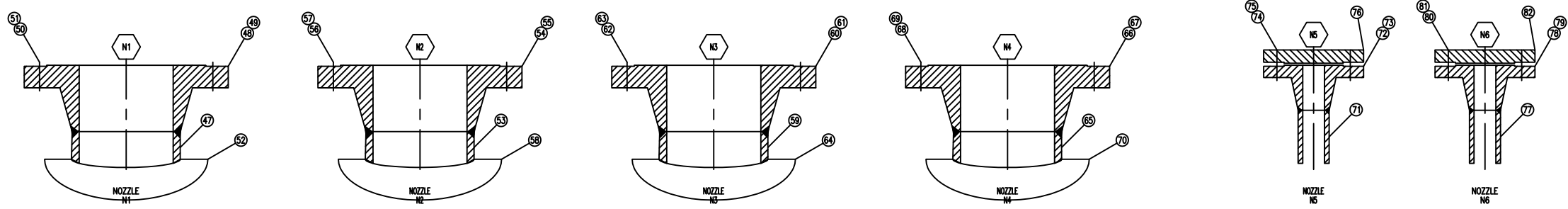


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Drawing Data		
1. Clients Name	ABC ENGINEERS	
2. Consultant	ABC CONSULTANTS	
3. Drawn by	GSD	
4. Checked by	ANR	
5. Approved by	HMR	
6. Date	07-02-2005	
7. Drawing Number	sc-h086	
8. Drawing Path	c:\p	
9. Project No	PROJECT 123	
10. Equipment No	EQP 123	
11. Tag No	AE-123	
12. Company Job No	J07-001	
13. End User	ABC ENGINEERS	
14. Revision No	0	
15. System of Drawing Units: Imperial (Foot Units)		
"Tubule Data		
1. Tube Diameter	3/4"	
2. Number of Tubes	450	
3. Length of Tube	15'	
4. Tube Thickness BWG	16	
5. Tube Thickness	1/16"	
6. Distance of Tube Pitch	1'	
7. Number of passes	41	
8. Tube extension :	3/8"	
9. Type of Pitch	Triangular	
Gasket Width for Fixed Tube Sheet	1/2"	
Gasket Width for Floating Tube Sheet	1/2"	
"Without Flange		
1. Tube Sheet Type	1/2"	
2. Tube Outer Limit	2'-1 1/2"	
3. PCD of Tube Sheet Flanges	3'	
4. OD of Left Tube Sheet	2'-10 5/8"	
5. Thickness of Left Tube Sheet	15/16"	
6. OD of Right Tube Sheet	2'-10 5/8"	
7. Thickness of Right Tube Sheet	15/16"	

Flange Data	
1. Head Type	: Fixed Head
2. 0.0 of Fixed Flange	: 3'-2 3/4"
3. PCD of Fixed Flange	: 3'
4. Type of Left Flange	: Slip On
5. Number of Bolt Holes	: 28
6. Diameter of bolt holes	: 1.3/8"
7. Length of Stud Bolts	: 1.1"
8. Diameter of stud bolts	: 1 1/4"
9. Type of Right Flange	: Slip On
Shell Data	
1. Main Shell 00	: 2'-6"
2. Main Shell Thickness	: 1/4"
3. Gap to Baffle 00 & Shell ID	: 2"
4. Right Channel 00	: 2'-6"
5. Right Channel Thickness	: 1/4"
6. Length of Right Channel	: 1.1"
7. Left Channel 00	: 2'-6"
8. Left Channel Thickness	: 1/4"
9. Length of Left Channel	: 2"
Baffle Data	
1. Total Number of Baffles	: 12
2. Gap of End Baffles	: 1'-5 1/2"
3. 00 of Baffles	: 2'-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 Baffles	: 1/4"
Tie Rods Data	
1. Number of Tie Rods	: 4
2. Diameter of Tie Rods	: 3/8"
3. Length of Tie Rods	: 13'-6 3/16"

[illegible]

GENERAL ARRANGEMENT												
Wk	Qty	SENSE	SIZE	SHA	TYPE	CLASS	RF	PWD	MODTLE	WOLD DET	SCALE 1:12.5	
NO	NO						OD	TH	LENGTH	TYPE	A	B
N1		SHALL MINT	6"	80	ASME B16.3	300	WRR	9"	1/4"	6"	W1	1/4" 1/2"
N2		SHALL MINT	6"	80	ASME B16.3	300	WRR	9"	1/4"	6"	W1	1/4" 1/2"
N3		CHANNEL MINT	6"	80	ASME B16.3	300	WRR	9"	1/4"	6"	W1	1/4" 1/2"
N4		CHANNEL MINT	6"	80	ASME B16.3	300	WRR	9"	1/4"	6"	W1	1/4" 1/2"
N5		SHALL MINT	6"	11/2"	160	ASME B16.3	300	WRR	6"	1/2" 1/4"	W1	1/4" 1/2"
N6		SHALL MINT	6"	11/2"	160	ASME B16.3	300	WRR	6"	1/2" 1/4"	W1	1/4" 1/2"

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PROJECT NO: 123456789

CLIENT'S JOB NO: XYZ 001

COMPANY PO: 123456789

SHEET 3 OF 3

REV. No. 0

EXPT. No: EXPT 12345