

NOZZLE CONNECTIONS:-

NOZZLE MARK	SERVICE	QTY.	SIZE NB.	NOZ. SCH./THK	FLANGE	RATING	STAND OUT	REMARKS
N1	PROCESS INLET	1	250	SCH.40	SORF	#150	770	
N2	VAPOUR OUTLET	1	250	SCH.40	SORF	#150	--	SEE DWG.
N3	BOTTOM DRAIN	1	80	SCH.40	SORF	#150	800	
LT1	LEVEL TRANSMITTER	1	80	SCH.40	SORF	#150	770	
LT2	LEVEL TRANSMITTER	1	80	SCH.40	SORF	#150	770	
PT	PRESSURE TRANSMITTER	1	25	NPT 'F'	SORF	#150	--	SEE DWG.
LS	LEVEL SWITCH	1	32	SCH.40	SORF	#150	--	
MH	MANHOLE	1	450	6 THK	SORF	#150	--	SEE DWG.

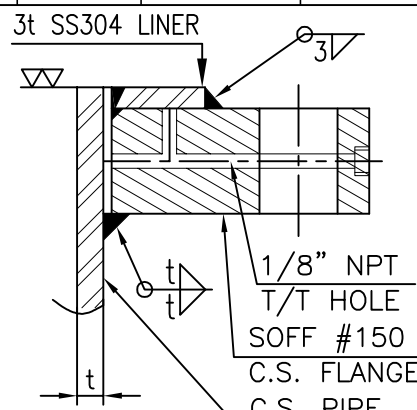
DESIGN CODE - ASME SECTION VIII DIV.1 \ G.E.P

STRUCTURED PACKING & SUPPORT	SS 304
VORTEX BREAKER	SS 304
STIFFENER FOR NOZZLE	SS 304
STIFFENER FOR SHELL	SS 304
NAME PLATE BRACKET & NAME PLATE	SS 304
NOZZLE FLANGE	C.S. WITH SS 304 LINER
NOZZLE PIPES	SA 312 TP 304
SKIRT STIFFENER	C.S.
SKIRT SUPPORT	C.S.
SKIRT SHELL	SS 304+C.S.
LIFTING\TAILING LUG	C.S.
PAD PLATE	SS 304
GASKET	ASBESTOS FREE
DISH END	SS 304
SHELL	SS 304

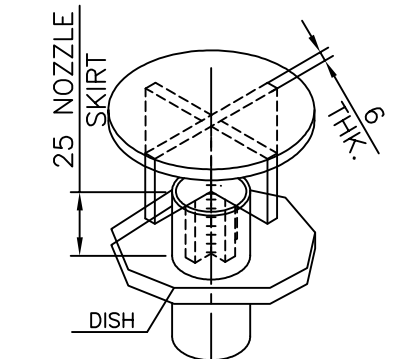
MATERIAL OF CONSTRUCTION

DESIGN DATA:-

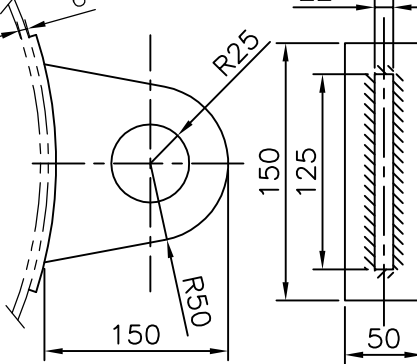
DESIGN AND FAB. CODE:	ASME SEC. VIII DIV. 1 2007/GEP
OPER. PRESSURE psi(g)	14.9/F.V.
DESIGN PRESSURE psi (g)	14.9/F.V.
OPERATING TEMPERATURE °F	350
DESIGN TEMPERATURE °F	400
JOINT EFFICIENCY	SHELL=0.85, HEAD=0.85
RADIOGRAPHY	SHELL-SPOT+T,HEAD-SPOT+T
HYDRO TEST PRESS. psi (g)	19.37



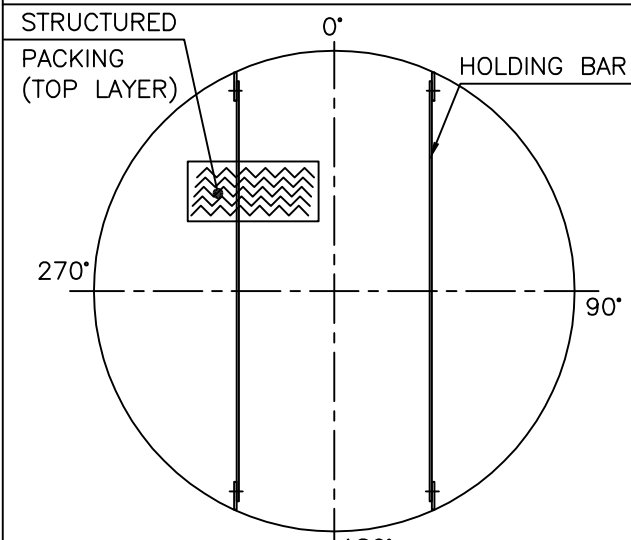
NOZZLE FLANGE DETAIL



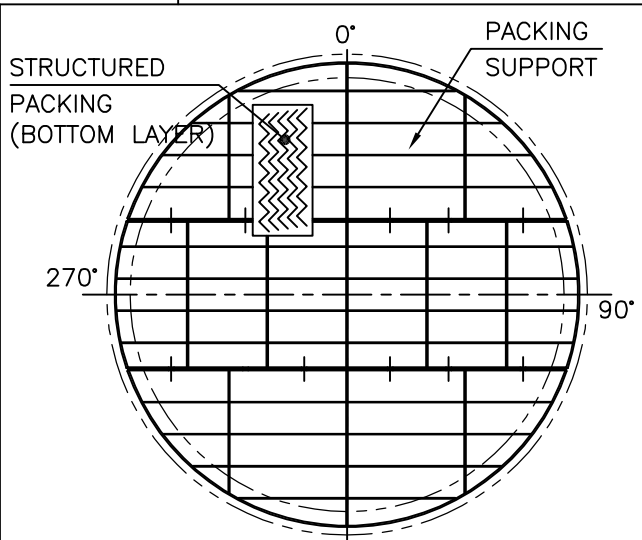
DETAILS OF VORTEX BREAKER



DETAILS OF LIFTING LUG SUPPORT



SECTION 'A-A'



SECTION 'B-B'

GENERAL NOTES:-

- ALL DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED.
- ALL DISTANCE TO BE MAINTAINED W.R.T. CENTER LINE/BASE LINE/T.L. OF EQUIPMENT.
- ALL BOLT HOLES TO STRADDLE THE PRINCIPAL AXIS OF EQUIPMENT.
- 1/8" TELE-TALE HOLES TO BE PROVIDED FOR ALL LINER & REINFORCEMENT PADS. THESE HOLES SHALL BE TESTED PNEUMATICALLY. AT 1.5 KG/CM₂(g) PRESSURE USING SOAP SOLUTION.
- NOZZLES WITHOUT BLIND FLANGES SHALL BE SUITABLY COVERED WITH WOOD/METAL COVER BEFORE DISPATCH.
- ALL VERTICAL NOZZLE FLANGE FACES TO BE PARALLEL TO GROUND LEVEL & HORIZONTAL NOZZLE FLANGE FACES 90° TO GROUND LEVEL, UNLESS OTHERWISE SPECIFIED.
- ALL FLANGES DIM. TO ANSI B16.5 #150, WITHOUT HUB, UNLESS OTHERWISE SPECIFIED.
- ALL GASKETING SURFACE TO BE SERRATED FINISHED.
- NOZZLE STANDOUT ON SHELL IS REFRRED FROM THE CENTER LINE TO FLANGE FACE AND ON DISHED END IT IS REFERRED FROM WELD LINE
- ALL NOZZLE ABOVE 100NB TO BE REINFORCED WITH PAD.
- ALL NOZZLE BELOW 40NB TO BE STIFFENED WITH TWO STIFFENER AT 90° APART.
- VESSEL SHOULD BE PAINTED WITH TWO QUOTES OF WHITE / GRAY PRIMER ON ALL CARBON STEEL MATERIAL.
- ALL NOZZLES SHOULD HAVE EXTENDED PORTION INSIDE THE SHELL (SKIRT PAD) FOR STIFFENING
- PLEASE MAKE SURE THE WORKMANSHIP IS EXCEPTIONAL AND THE PAINT JOB ON C.S. IS GOOD.
- PLEASE NO DAMAGES TO THE VESSEL IN SHIPPING.

3	HOLDING BAR	330295.01.12	1	SS 304
2	PACKING SUPPORT	330295.01.02	1	SS 304
1	STRUCTURED PACKING	330295.01.02	1 SET	SS 304
PART	DRAWING TITLE	DRAWING NUMBER	QTY	MATERIAL

02	REVISED AS PER COMMENTS	GANESH	PNB	MVR	14.07.14
01	REVISED AS PER CLIENT COMMENT	SHAHAJI	PNB	MVR	04.07.14
00	ISSUED FOR APPROVAL	SHAHAJI	PNB	MVR	30.06.14
REV	DESCRIPTION	DRN BY	CHD BY	APPD BY	DATE

CLIENT :	REFERENCE DWG. NO :
SERVICE :	MATERIAL : SS 304 + CS
EQUIPMENT TAG : F-504	QTY : 1
PRODUCT CODE :	IF IN DOUBT ASK

	TITLE : GA DRAWING OF DRYER	DRAWING NO. 390295.02.21C	REV 02	SCALE NTS
		SHEET NO. 1 OF 1		SIZE A3

FENIX PROCESS TECHNOLOGIES, PUNE - 411 004