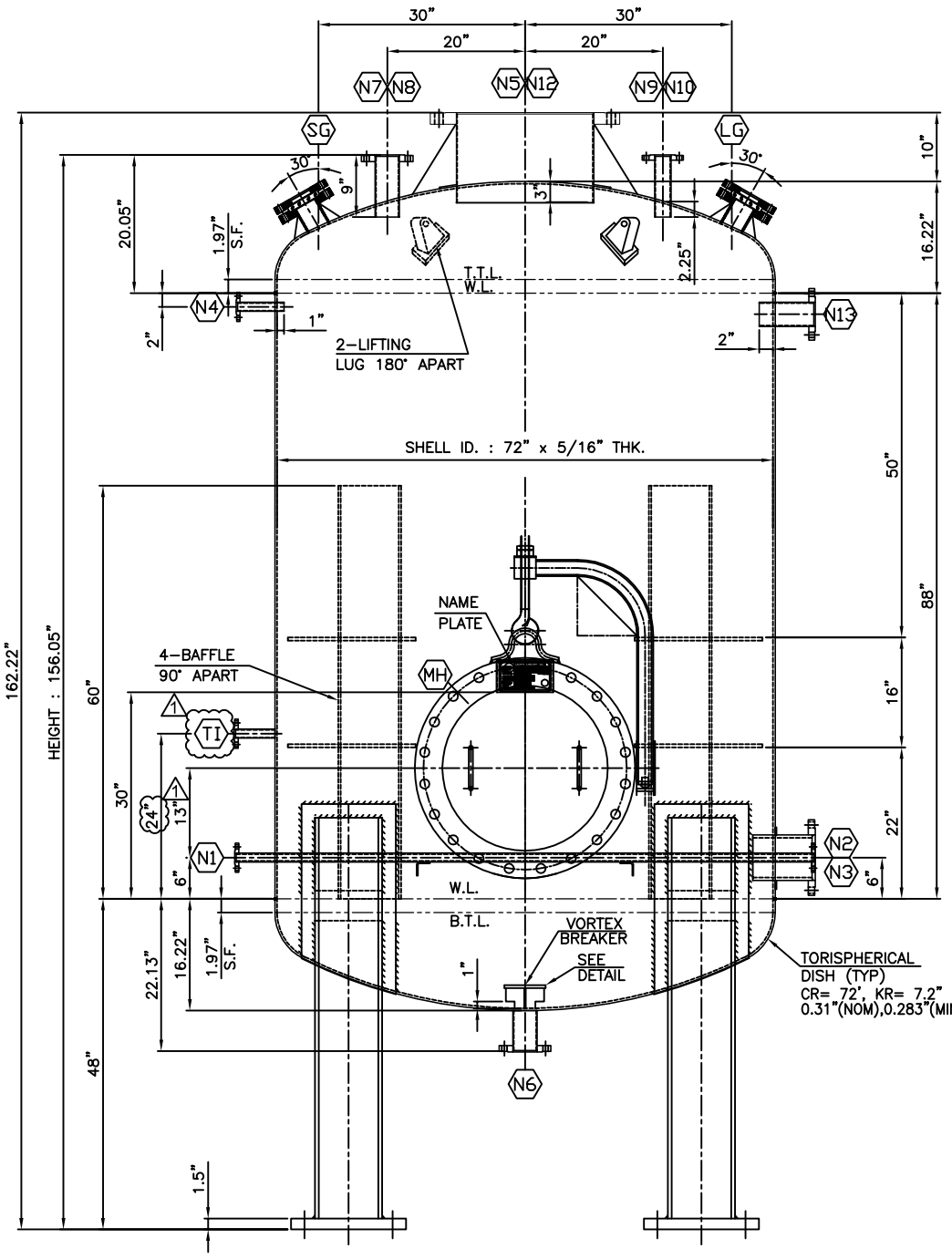


ELEVATION

NOZZLE CONNECTIONS:-

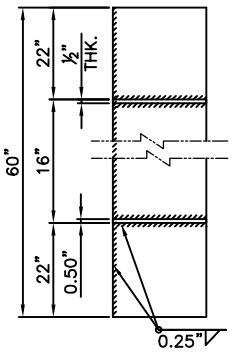
NOZZLE MARK	SERVICE	QTY.	SIZE NB.	NOZ. SCH./THK	FLANGE	RATING	STAND OUT	REMARKS
N1	STEAM INLET	1	1"	SCH.80	SORF	#150	78.5"	SEAMLESS
N2	STEAM OUTLET	1	1"	SCH.80	SORF	#150	78.5"	SEAMLESS
N3	VAPOUR INLET	1	3"	SCH.80	SORF	#150	78.5"	
N4	VAPOUR OUTLET	1	1"	SCH.80	SORF	#150	78.5"	
N5	VENT	1	1 10"	SCH.80	SORF	#150	--	SEE DWG.
N6	DRAIN	1	3"	SCH.80	SORF	#150	78.5"	SEE DWG.
N7	PROSESS INLET	1	2"	SCH.80	SORF	#150	--	SEE DWG.
N8	PROSESS INLET	1	2"	SCH.80	SORF	#150	--	SEE DWG.
N9	PROSESS INLET	1	2"	SCH.80	SORF	#150	--	SEE DWG.
N10	PROSESS INLET	1	2"	SCH.80	SORF	#150	--	SEE DWG.
N11	PROSESS INLET	1	3"	SCH.80	SORF	#150	--	SEE DWG.
N12	MOUNTING NOZZLE	1	24"	SCH.80	SORF	#150	--	SEE DWG.
N13	PROSESS INLET	1	3"	SCH.80	SORF	#150	78.5"	
SG	SIGHT GLASS	1	4"	SCH.80	SORF	#150	--	SEE DWG.
LG	LIGHT GLASS	1	4"	SCH.80	SORF	#150	--	SEE DWG.
MH	MANHOLE(WITH DAVIT)	1	24"	0.31" THK	SORF	#150	--	SEE DWG.
1 TI	TEMPERATURE INDICATOR	1	1"	SCH.80	SORF	#150	--	SEE DWG.)

MATERIAL SPECIFICATION:-

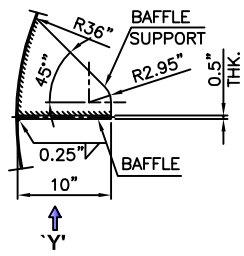
SHELL		SA 240 TP 304
DISHED ENDS		SA 240 TP 304
NOZZLE FLANGES	NOZZLE NECK	SA 312 TP 304
	FLANGE < 100 NB	SS 304
	FLANGE > 100 NB	IS 2062 + SS LINER
	PAD PLATE	SA 240 TP 304
	BOLT WITH NUT	SA 193 B7 / SA 194 2H
	GASKET	GARLOCK 3000 OR EQUIVALENT
BAFFLE & BAFFLE SUPPORT		SA 240 TP 304
COIL FOR STEAM		SS 304

DESIGN DATA :-

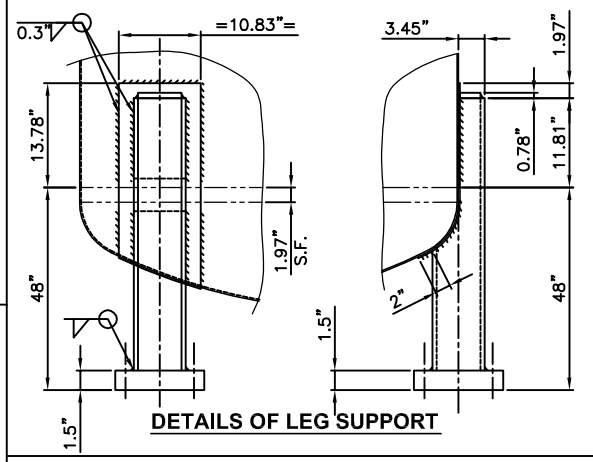
DESIGN CODE - GEP / ASME SECTION VIII DIV.1	
OPERATING PRESSURE (psig)	14.9/F.V.
DESIGN PRESSURE (psig)	14.9/F.V.
OPERATING TEMPERATURE °F	300
DESIGN TEMPERATURE °F	400
TEST PRESSURE (psig)	19.37
CORROSION ALLOWANCE.MM	1/2" mm FOR C.S. PARTS
JOINT EFFICENCY SHELL/END	0.85 / 0.85
RADIOGRAPHY	SHELL–SPOT+T, HEAD–SPOT+T



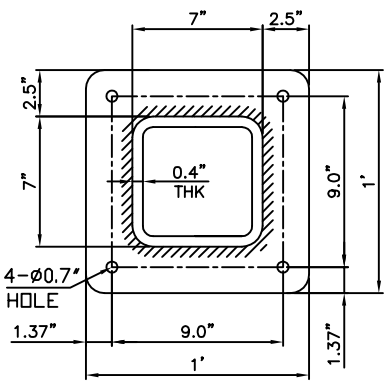
VIEW OF `Y'



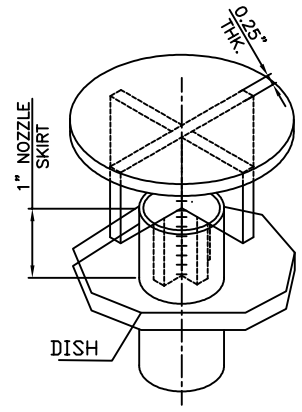
DETAIL `X'



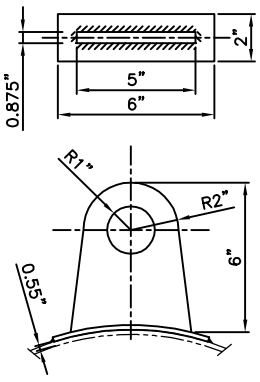
DETAILS OF LEG SUPPORT



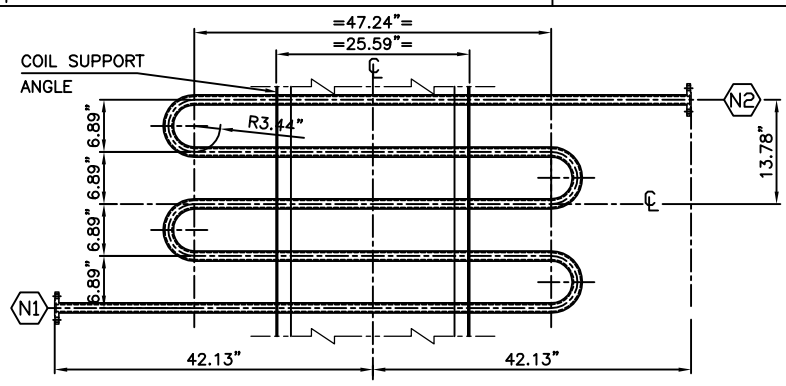
DETAILS OF LEG SUPPORT
BASE PLATE



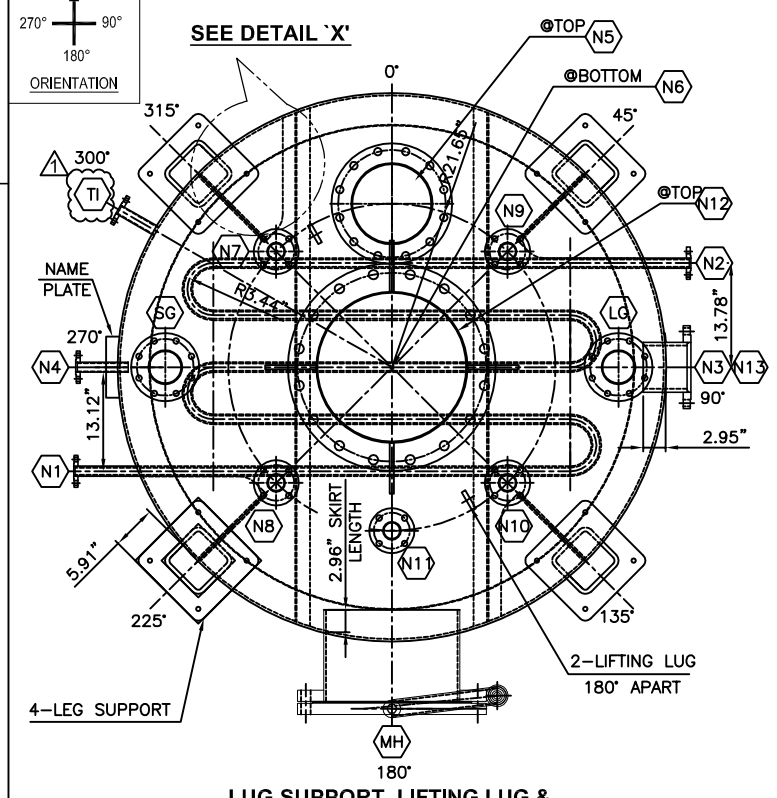
DETAILS OF
VORTEX BREAKER



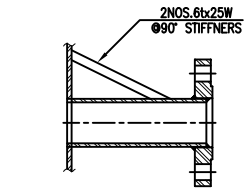
DETAILS OF
LIFTING LUG SUPPORT



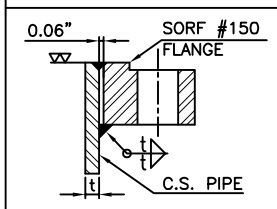
DETAILS OF STEAM COIL



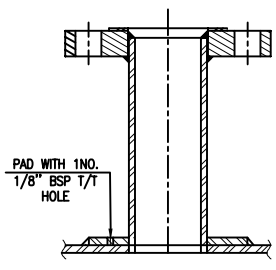
LUG SUPPORT, LIFTING LUG &
NOZZLE ORIENTATION PLAN (CLIENT TO CONFIRM) 1



DETAILS OF NOZZLE
STIFFENER
NOZZLE UPTO 1 1/2""NB



NOZZLE FLANGE DETAIL 1



DETAILS OF
NOZZLE RF PAD
NOZZLE ABOVE 4" NB

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED.
2. ALL DISTANCE TO BE MAINTAINED W.R.T. CENTER LINE/BASE LINE/T.L. OF EQUIPMENT.
3. ALL BOLT HOLES TO STRADDLE THE PRINCIPAL AXIS OF EQUIPMENT.
4. 1/8" TELE–TALE HOLES TO BE PROVIDED FOR ALL LINER & REINFORCEMENT PADS. THESE HOLES SHALL BE TESTED PNEUMATICALLY. AT 1.5 KG/CM^2 (g) PRESSURE USING SOAP SOLUTION.
5. NOZZLES WITHOUT BLIND FLANGES SHALL BE SUITABLY COVERED WITH WOOD/METAL COVER BEFORE DISPATCH.
6. ALL VERTICAL NOZZLE FLANGE FACES TO BE PARALLEL TO GROUND LEVEL & HORIZANTAL NOZZLE FLANGE FACES 90° TO GROUND LEVEL, UNLESS OTHERWISE SPECIFIED.
7. ALL FLANGES DIM. TO ANSI B16.5 #150, WITHOUT HUB, UNLESS OTHERWISE SPECIFIED.
8. ALL GASKETING SURFACE TO BE SERRATED FINISHED.
9. NOZZLE STANDOUT ON SHELL IS REFRRED FROM THE CENTER LINE TO FLANGE FACE AND ON DISHED END IT IS REFERED FROM WELD LINE
10. ALL NOZZLE ABOVE 100NB TO BE REINFORCED WITH PAD.
11. ALL NOZZLE BELOW 40NB TO BE STIFFENED WITH TWO STIFFENER AT 90° APART.
12. VESSEL SHOULD BE PAINTED WITH TWO QUOTES OF WHITE / GRAY PRIMER
13. ALL NOZZLES SHOULD HAVE EXTENDED PORTION INSIDE THE SHELL (SKIRT PAD) FOR STIFFENING
14. PLEASE MAKE SURE THE WORKMANSHIP IS EXCEPTIONAL AND THE PAINT JOB ON C.S. IS GOOD.
15. PLEASE NO DAMAGES TO THE VESSEL IN SHIPPING.

REV	DESCRIPTION	DRN BY	CHD BY	APPD BY	DATE
01	REVISED AS PER CLIENT COMMENT	SHAHAJI	PNB	MVR	04.07.14
00	ISSUED FOR APPROVAL	SHAHAJI	PNB	MVR	01.06.14

CLIENT :	REFERENCE DWG. NO :
SERVICE :	MATERIAL : C.S.+SS 304
EQUIPMENT TAG : V-110	QTY : 1
PRODUCT CODE :	IF IN DOUBT ASK

FENIX™

TITLE :

GENERAL ARRANGEMENT FOR PRE-COAT MIXER

DRAWING NO.	REV	SCALE
390295.03.14C	01	NTS
SHEET NO. 1 OF 1		SIZE A3

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