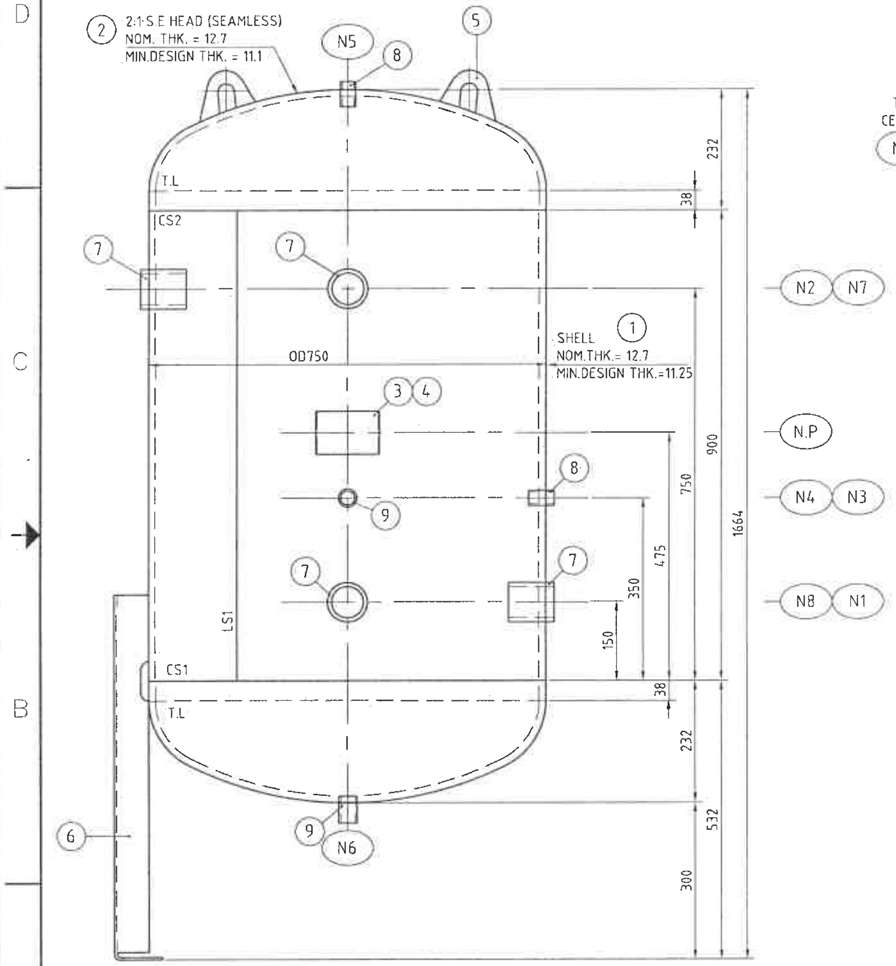
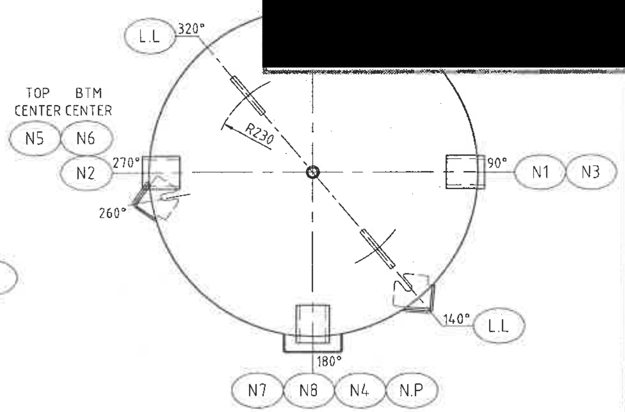
[redacted]



ELEVATION
1 : 10

NOTE : ELEVATION VIEW INDICATES VERTICAL POSITIONING WITH APPROXIMATE ORIENTATION,
PLEASE REFER TO ORIENTATION PLAN FOR ACTUAL POSITION.



ORIENTATION PLAN
1 : 12

DESIGN DATA			
[redacted] CODE (2) (3)			ASME BOILER AND PRESSURE VESSEL CODE SECTION VIII, DIVISION 1, 2017 ED
			SHELL SIDE
[redacted]		(Bar)	36 (2)
[redacted]		(°C)	50
[redacted]		(Bar)	-1/40
[redacted]		(°C)	100
[redacted]		(Bar)	52
[redacted]		(Bar)	NIL
[redacted]		(°C)	10
[redacted]		(Bar)	40 AT 100°C (2)
[redacted]			1
[redacted]			1
[redacted]		(mm)	0.5
TYPE OF SERVICE			AIR / WATER / STEAM (2)
NONDESTRUCTIVE EXAMINATION	RADIOGRAPHY EXAMINATION	FULL	LS1
		SPOT	CS1 & CS2
		NIL	NIL
	ULTRASONIC EXAMINATION		NIL
	LIQUID PENETRANT EXAMINATION		NIL
	MAGNETIC PARTICLE EXAMINATION		NIL
DEGREE OF RT			RT 4 (2)
POST WELD HEAT TREATMENT			NIL
INSULATION		(mm)	NIL
SURFACE TREATMENT & PAINTING		INT.	REFER TO WO OR PROJECT SPECIFICATIONS
		EXT.	REFER TO WO OR PROJECT SPECIFICATIONS
EARTHQUAKE FACTOR			NIL
WIND SPEED		(m/s)	NIL
VOLUME		(m^3)	0.5
FLUID NAME			COMPRESSED AIR / N2 GAS
EMPTY WEIGHT		(kg)	391
FULL WATER WEIGHT		(kg)	891

GENERAL NOTE:

1) ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2) FLANGE BOLT HOLES SHALL STRADDLE NOMINAL HORIZONTAL AND VERTICAL CENTER LINE OF VESSEL.
3) ALL UNSPECIFIED WELDS SHALL BE 5mm CONTINUOUS FILLET WELD UNLESS OTHERWISE NOTED.
4) DIMENSIONAL TOLERANCE SHALL FOLLOW DOCUMENT NO. YF-TOLERANCE- 01(REV.1).
5) FLANGE SHALL COMPLY WITH ASME B16.5, 2013 (2) ED.
6) WROUGHT STEEL PIPE SHALL COMPLY WITH ASME B36.10M, 2015 ED.
7) COUPLING SHALL BE COMPLY WITH ASME B16.11, 2011 ED.
8) FILLET WELD SIZE TOLERENCE : -0/+3
9) ALL REINFORCEMENT PLATE SHALL HAVE Ø6 VENT HOLE AT THE LOWEST POINT.
10) AS PER UG99(b) NOTE 36 MAWP EQUAL TO DESIGN PRESSURE

(2) (3)

NOZZLE SCHEDULE

MARK	SERVICE	SIZE / DN	FLANGE RAT.	FLANGE TYPE	FLANGE MAT.	NECK SCH/THK	NECK MAT.	REMARK
N1	AIR INLET	50	-	-	-	-	-	NPT CLASS 3000
N2	AIR OUTLET	50	-	-	-	-	-	NPT CLASS 3000
N3	PRESSURE GAUGE	15	-	-	-	-	-	NPT CLASS 3000
N4	CONTROL	20	-	-	-	-	-	NPT CLASS 3000
N5	PRESSURE RELIEF	15	-	-	-	-	-	NPT CLASS 3000
N6	DRAIN	20	-	-	-	-	-	NPT CLASS 3000
N7	INSPECTION OPENING	50	-	-	-	-	-	C/W HEX PLUG
N8	INSPECTION OPENING	50	-	-	-	-	-	C/W HEX PLUG

[redacted]

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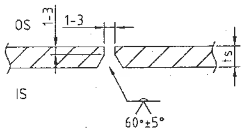
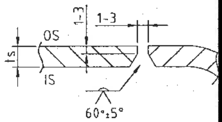
BILL OF MATERIAL

NO.	DESCRIPTION	QTY	MATERIAL	SIZE (mm)
1	PLATE (SHELL)	1	SA-516 70	12.7t x OD750 x 900(L)
2	PLATE (HEAD)	2	SA-516 70	12.7t (NOM THK)
3	NAME PLATE SUPPORT	1	-	REFER STD23.00.F (REV.2)
4	NAME PLATE	1	ALUMINIUM	1.5t x77(W) x 114(L)
5	PLATE	2	SA-516 70	12.7t x 89(W) x 109(L)
6	E.A (BEND FROM PLATE)	3	EN10025 S275 JR	5t x 140(W) x 777(L)
7	HALF COUPLING	4	SA-105	DN50 NPT CLASS 3000
8	FULL COUPLING	2	SA-105	DN15 NPT CLASS 3000
9	FULL COUPLING	2	SA-105	DN20 NPT CLASS 3000

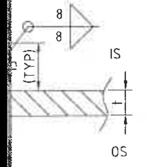


WELD DETAIL - LS1
TABLE UW-12 TYPE 1

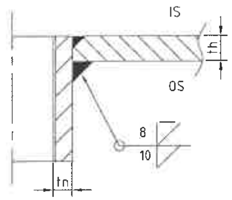


WELD DETAIL - CS1
TABLE UW-12 TYPE 1

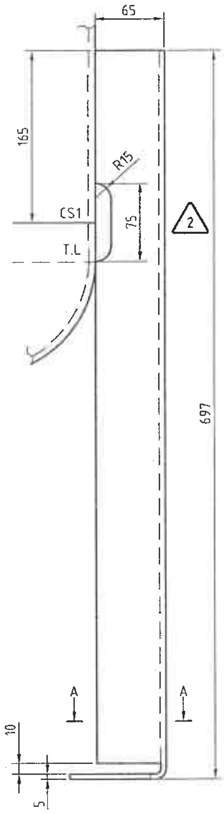
[redacted]



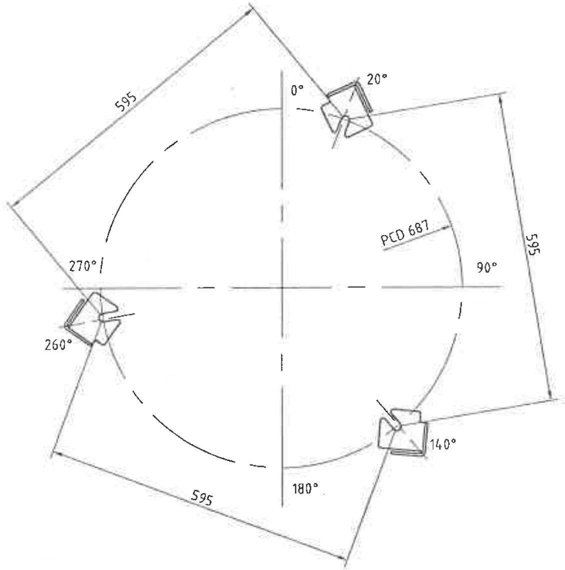
WELDING DETAIL- N1,N2,N3,N4,N5,N7 & N8
FIG UW-16.1 (y-2)



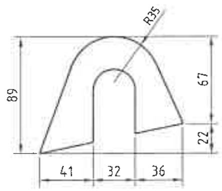
WELDING DETAIL- N6
FIG UW-16.1 (z-2)



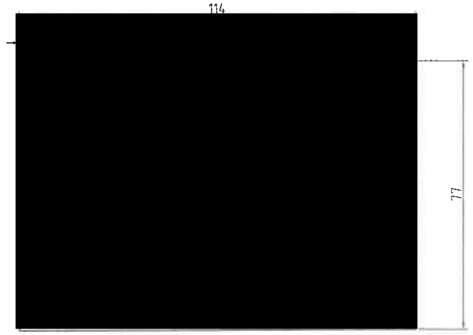
LEG SUPPORT DETAIL (6)
1 : 6



LEG ANCHORAGE DETAIL
1 : 10



LIFTING LUG DETAIL (5)
1 : 4



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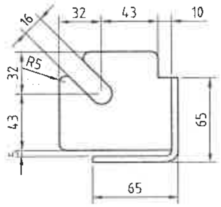
NAME PLATE DETAIL (4)
NOTE : BLANK SPACES
TO BE FILLED



SECTION A-A
1 : 4

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