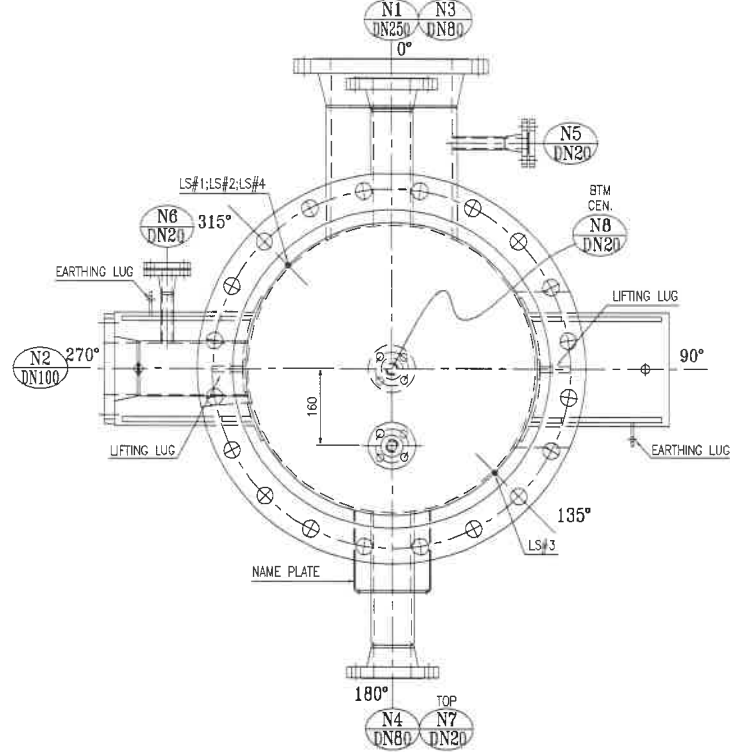
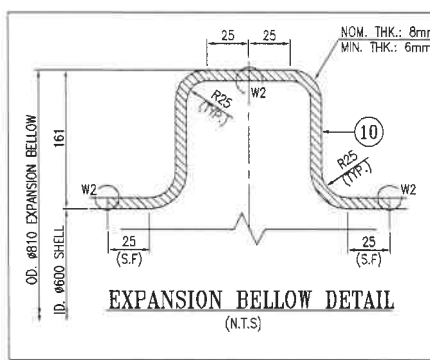


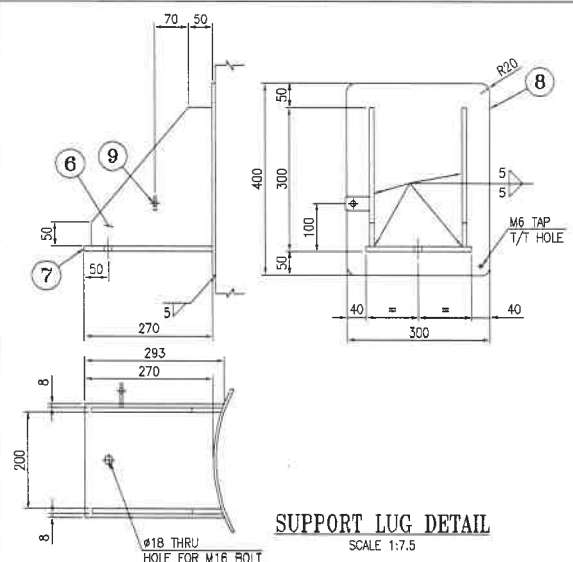
ELEVATION  
SCALE 1:12.5



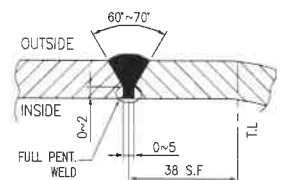
ORIENTATION  
SCALE 1:7.5



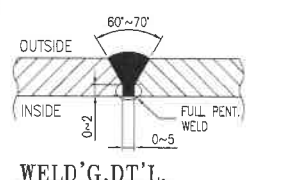
EXPANSION BELLOW DETAIL  
(N.T.S)



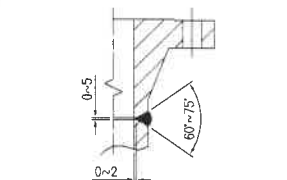
SUPPORT LUG DETAIL  
SCALE 1:7.5



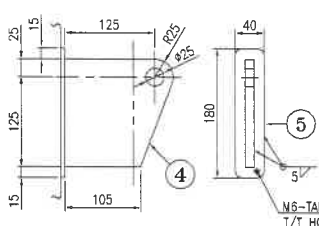
WELD G.D.T.L.  
TABLE: UW-12(1) (ROOT=GTAW/SAW)  
(FILL&CAP=GTAW/SAW/FAW)



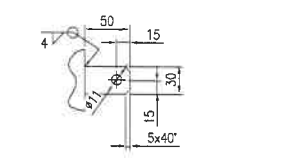
WELD G.D.T.L.  
TABLE: UW-12(1) (ROOT=GTAW/SAW)  
(FILL&CAP=GTAW/SAW/FAW)



FLANGE WELD G.D.T.L.  
App 2-Fig 2-4(6) (GTAW/FAW/SAW)



LIFTING LUG DETAIL  
SCALE 1:5



EARTHING LUG DT'L.  
SCALE 1:4

MATERIAL SPECIFICATION				
NO.	DESCRIPTION	MATERIAL	QTY.	REMARK
1	SHELL	SA-240-GR.316/316L	1	5t
2	SEMI ELLIPS HEAD 2:1	SA-240-GR.316/316L	2	5t (NOM.) 4.25t (MIN.)
3	CHANNEL BODY	SA-240-GR.316/316L	2	5t
4	LIFTING LUG	SA-36 OR EQ	2	12t
5	LIFTING LUG WEAR PAD	SA-240-GR.316/316L	2	5t
6	SUPPORT LUG	SA-36 OR EQ	4	10t
7	SUPPORT LUG BOTTOM	SA-36 OR EQ	2	10t
8	SUPPORT LUG WEAR PAD	SA-240-GR.316/316L	2	5t
9	EARTHING LUG	SA-240-GR.316/316L	2	5t
10	EXPANSION BELLOW	SA-240-GR.316/316L	1	8t

DESIGN DATA				
CODE & STANDARD.		ASME SECT. VIII DIV. 1 2017 ED./TEMA CLASS B 2007 ED.		
FLUID.	SHELL SIDE	VAPOUR & DMSO	TUBE SIDE	CHILLED WATER
VOLUME.		1.02	0.2	C.U.M.
OPERATING PRESS.		0.1	5	Bar(a)
OPERATING TEMP.		50	35~40	C°
DESIGN PRESS.		12/F.V	10	Bar(g)
DESIGN TEMP.		210	200	C°
TEST PRESS.	HYDRO.	16.12	13.34	Bar(g)
	PNEU.	-	-	-
PWHT.		-	-	-
JOINT EFFICIENCY		0.7	0.7	-
RADIOGRAPHIC EXAM.		NIL	NIL	-
CORR. ALLOWANCE		0	0	mm.
MMT		39.55	8.06	C°
NUMBERS OF PASS		1	2	-
SURF / SHELL (EFF)			64.3	m2
INSULATION		100 (BY OTHERS)		mm.
WIND LOAD		32.5		m/s
EMPTY WEIGHT		2239		Kg
OPERATION WEIGHT		2368		Kg
TEST WEIGHT		3628		Kg

- GENERAL NOTES
- ALL DIMENSION SHALL BE IN MM UNLESS OTHERWISE NOTED.
  - ALL BOLTS HOLES SHALL STRADDLE THE PRINCIPAL AXIS.
  - REINFORCEMENT PLATE SHALL BE MADE IN ONE PIECE OF PLATE.
  - FLANGES SHALL BE ACCORDANCE TO ASME B16.5 2015.
  - PRIOR TO FINAL INSPECTION, ALL SLAGS, DIRT, DUST, LOOSE SCALE, OIL, PAINT, WELD SPLATTERS AND OTHER FOREIGN MATERIAL SHALL BE REMOVED FROM INSIDE AND OUTSIDE OF THE VESSEL.
  - DELETED-
  - SPECIFIED 316L MATERIAL SHALL BE COMPLY SS316 MECHANICAL STRENGTH AND CONFORM TO SS316L CHEMICAL COMPOSITION.

DOSH APPROVAL:

JOB NO: 18/02/10/PLCH		MARK		DESCRIPTION		QTY.		PIPE DATA		FLANGE DATA	
N8	DRAIN	1	DN20	SCH. 40s	SA-312-TP.316/316L	DN20	WNRF	150#	SA-182-F.316/316L		
N7	VENT	1	DN20	SCH. 40s	SA-312-TP.316/316L	DN20	WNRF	150#	SA-182-F.316/316L		
N6	DRAIN	1	DN20	SCH. 40s	SA-312-TP.316/316L	DN20	WNRF	150#	SA-182-F.316/316L		
N5	VENT	1	DN20	SCH. 40s	SA-312-TP.316/316L	DN20	WNRF	150#	SA-182-F.316/316L		
N4	CHILL WATER OUTLET	1	DN80	SCH. 40s	SA-312-TP.316/316L	DN80	WNRF	150#	SA-182-F.316/316L		
N3	CHILL WATER INLET	1	DN80	SCH. 40s	SA-312-TP.316/316L	DN80	WNRF	150#	SA-182-F.316/316L		
N2	DMSO OUTLET	1	DN100	SCH. 40s	SA-312-TP.316/316L	DN100	WNRF	150#	SA-182-F.316/316L		
N1	DMSO INLET	1	DN250	SCH. 40s	SA-312-TP.316/316L	DN250	WNRF	150#	SA-182-F.316/316L		

NOZZLE SCHEDULE

