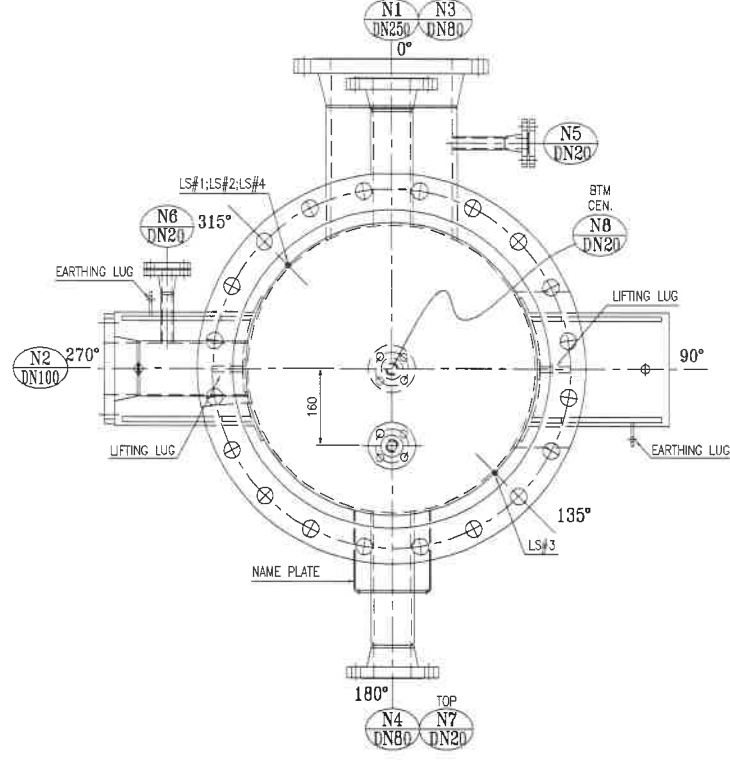
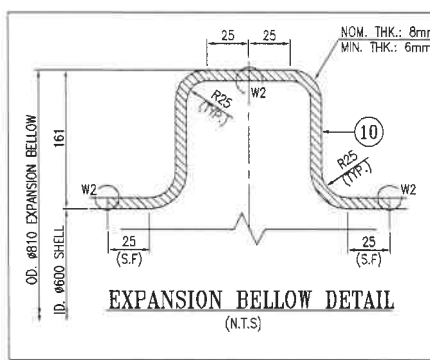


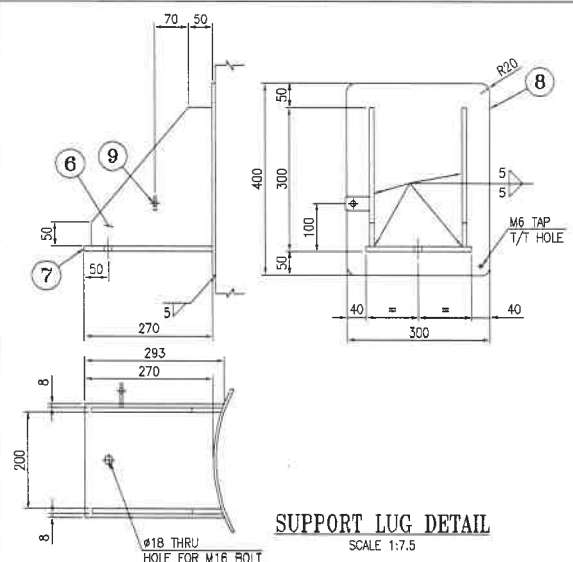
ELEVATION
SCALE 1:12.5



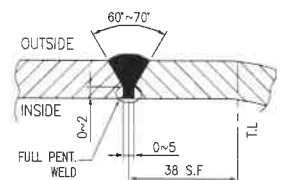
ORIENTATION
SCALE 1:7.5



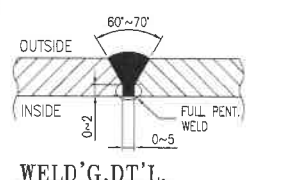
EXPANSION BELLOW DETAIL
(N.T.S.)



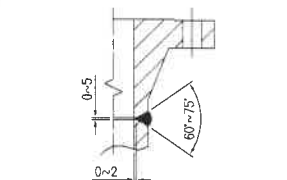
SUPPORT LUG DETAIL
SCALE 1:7.5



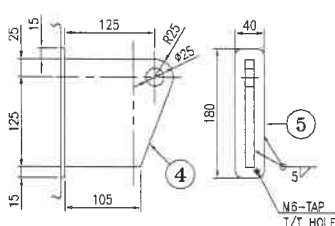
WELD 'G.DT'L.
TABLE: UW-12(1) (ROOT=GTAW/SAW)
(FILL&CAP=GTAW/SAW/FCAW)



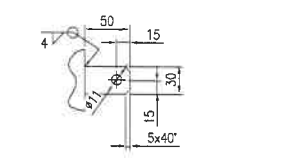
WELD 'G.DT'L.
TABLE: UW-12(1) (ROOT=GTAW/SAW)
(FILL&CAP=GTAW/SAW/FCAW)



FLANGE WELD 'G.DT'L.
APP 2-Fig. 2-4(6) (GTAW/FCAW/SAW)



LIFTING LUG DETAIL
SCALE 1:5



⑨ 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	REFLUX WATER	TUBE SIDE
VOLUME.		1.02	0.2
OPERATING PRESS.		0.1	5
OPERATING TEMP.		50	35~40
DESIGN PRESS.		12/F.V	10
DESIGN TEMP.		210	200
TEST PRESS.	HYDRO.	16.12	13.34
	PNEU.	-	-
PWHT.		-	-
JOINT EFFICIENCY		0.7	0.7
RADIOGRAPHIC EXAM.		NIL	NIL
CORR. ALLOWANCE.		0	0
MMT		39.55	8.06
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:

MARK	DESCRIPTION	QTY.	SIZE	SCH/THK	MATERIAL	SIZE	TYPE	RATING	MATERIAL
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

