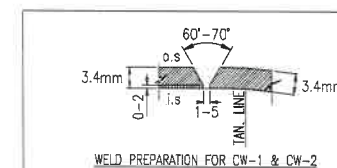
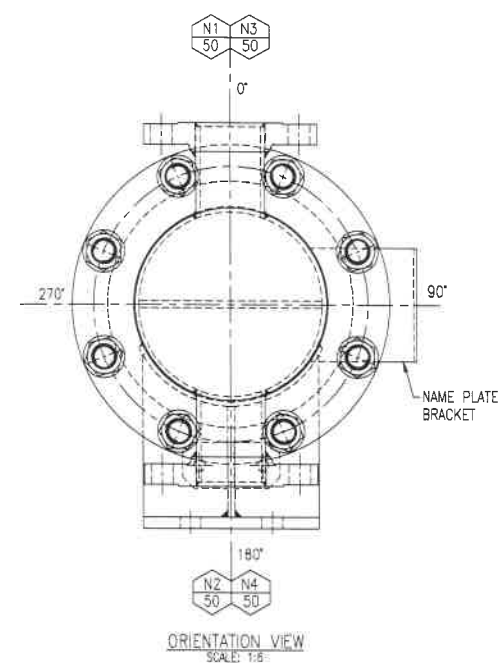


5	EARTHING LUG	SA240-304	2	-	PLATE-40mm x 40mm x 5mm THK
4	PAD	SA240-316	2	-	PLATE = 200mm x 200mm x 5mm TH
3	WEG	SA240-304	2	-	PLATE = 154mm x 141mm x 6mm TH
2	RIB	SA240-304	2	-	PLATE = 138mm x 97mm x 6mm THK
1	BASE PLATE	SA240-304	2	-	PLATE-154mm x 150mm x 10mm THK
ITEM	DESCRIPTION	MATERIAL	QUANTITY	INSTALL SPARE	REMARKS

SUPPORT DETAILS

SCALE: 1:20




N4	1	DN50	SCH.40S	SA182-F316	ASME B16.5 CL150 SORF	CHILLED WATER INLET
N3	1	DN50	SCH.40S	SA182-F316	ASME B16.5 CL150 SORF	CHILLED WATER OUTLET
N2	1	DN50	SCH.40S	SA182-F316	ASME B16.5 CL150 SORF	ALKALINE WATER INLET
N1	1	DN50	SCH.40S	SA182-F316	ASME B16.5 CL150 SORF	ALKALINE WATER OUTLET
NOZZLE	QTY	SIZE	SCH/THK	FLANGE MATERIAL	TYPE OF FLANGE/RATING	SERVICE

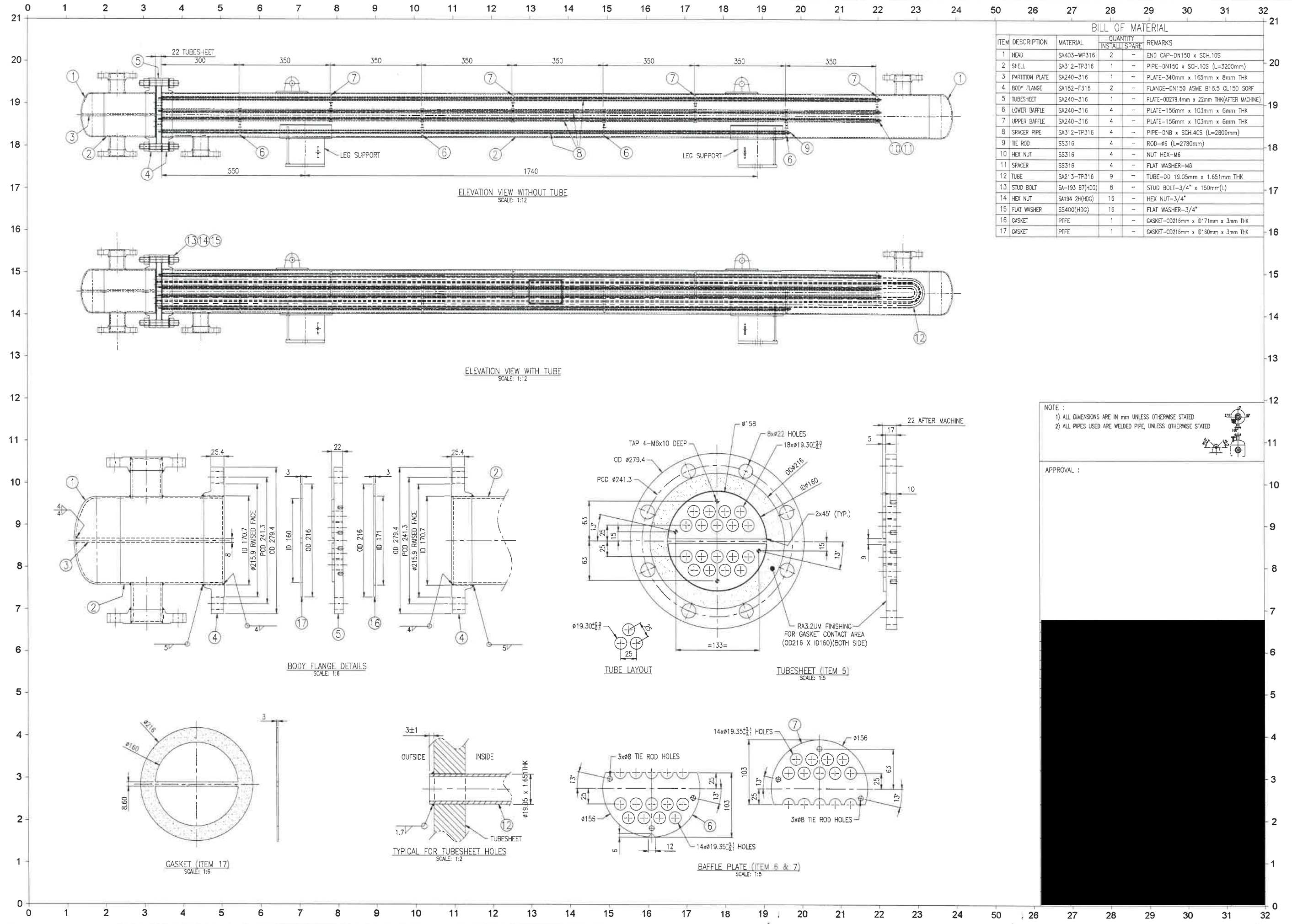
DESIGN CODE		ASME BOILER & PRESSURE VESSEL SECTION VIII, DIV. 1, ED. 2017 + TEMA B	
DESIGN (INT./EXT.)		SHELL SIDE	TUBE SIDE
PRESSURE	BAR	10	10
TEMPERATURE	°C	150	100
TEST	HYDROSTATIC BAR	13	13
PRESSURE	PNEUMATIC BAR	NIL	NIL
JOINT EFFICIENCY	SHELL	LW	0.85
		CW	0.70
	HEAD	LW	0.85
		CW	0.70
CORROSION ALLOWANCE		MM	0
FLUID NAME		CHILLED WATER	ALKALINE WATER
RADIOGRAPHIC EXAMINATION		NIL	NIL
LIQUID PENETRANT EXAMINATION		NIL	NIL
PAD LEAK TEST		NIL	NIL
POST WELD HEAT TREATMENT		EXEMPTED PER UHA-32	
IMPACT TEST		EXEMPTED PER UHA-51(d)	
MAWP	BAR	10	
MDMT	°C		
INSULATIONS		MM	NIL
SURFACE	S.S	NIL	
PREPARATION	C.S	STANDARD SHOP PRIMER	
HEATING SURFACES AREA		M2	3.2
VOLUME		M3	0.16
EMPTY WEIGHT		KG	200
FULL WATER WEIGHT		KG	263.3
LETHAL SERVICE		NO	

NOTE :

- ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED
- ALL BOLT HOLES TO STRADDLE PRINCIPAL AXIS
- ALL FILLET WELD SIZE SHALL WITHIN TOLERANCE -0 & +3
- DIMENSION TOLERANCE AS PER QC MANUAL EXHIBIT 4.2
- LIFTING ANGLE MUST NOT LESS THAN 45°
- ALL PIPES USED ARE WELDED PIPE, UNLESS OTHERWISE STATED



APPROVAL :



BILL OF MATERIAL					
ITEM	DESCRIPTION	MATERIAL	QUANTITY		REMARKS
			INSTALL	SPARE	
1	HEAD	SA403-WP316	2	-	END CAP-DN150 x SCH.10S
2	SHELL	SA312-TP316	1	-	PIPE-DN150 x SCH.10S (L=3200mm)
3	PARTITION PLATE	SA240-316	1	-	PLATE-340mm x 165mm x 8mm THK
4	BODY FLANGE	SA182-F316	2	-	FLANGE-DN150 ASME B16.5 CL150 SORF
5	TUBESHEET	SA240-316	1	-	PLATE-00279.4mm x 22mm THK(AFTER MACHINE)
6	LOWER BAFFLE	SA240-316	4	-	PLATE-156mm x 103mm x 6mm THK
7	UPPER BAFFLE	SA240-316	4	-	PLATE-156mm x 103mm x 6mm THK
8	SPACER PIPE	SA312-TP316	4	-	PIPE-DNB x SCH.40S (L=2800mm)
9	TIE ROD	SS316	4	-	ROD-#6 (L=2780mm)
10	HEX NUT	SS316	4	-	NUT HEX-M6
11	SPACER	SS316	4	-	FLAT WASHER-M6
12	TUBE	SA213-TP316	9	-	TUBE-OD 19.05mm x 1.651mm THK
13	STUD BOLT	SA-193 B7(HDG)	8	-	STUD BOLT-3/4" x 150mm(L)
14	HEX NUT	SA194 2H(HDG)	16	-	HEX NUT-3/4"
15	FLAT WASHER	SS400(HDG)	16	-	FLAT WASHER-3/4"
16	GASKET	PTFE	1	-	GASKET-OD216mm x ID171mm x 3mm THK
17	GASKET	PTFE	1	-	GASKET-OD216mm x ID160mm x 3mm THK

NOTE :
1) ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED
2) ALL PIPES USED ARE WELDED PIPE, UNLESS OTHERWISE STATED

APPROVAL :