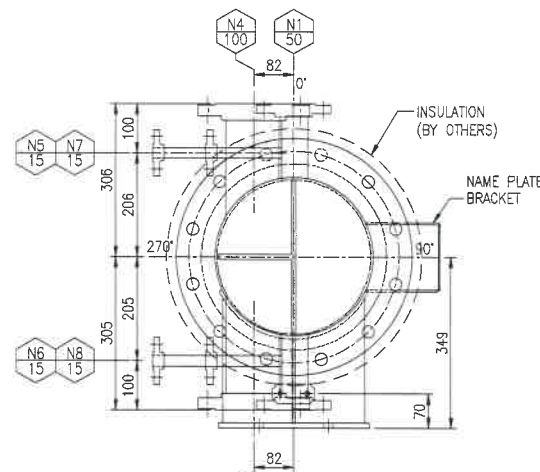
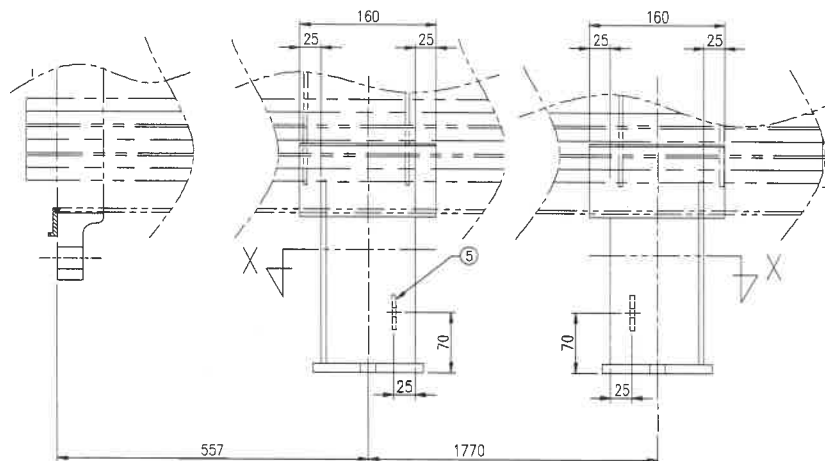


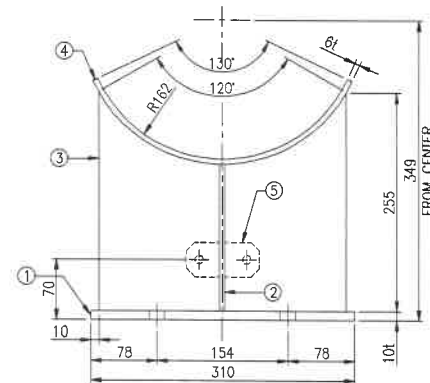
ELEVATION VIEW
SCALE: 1:14



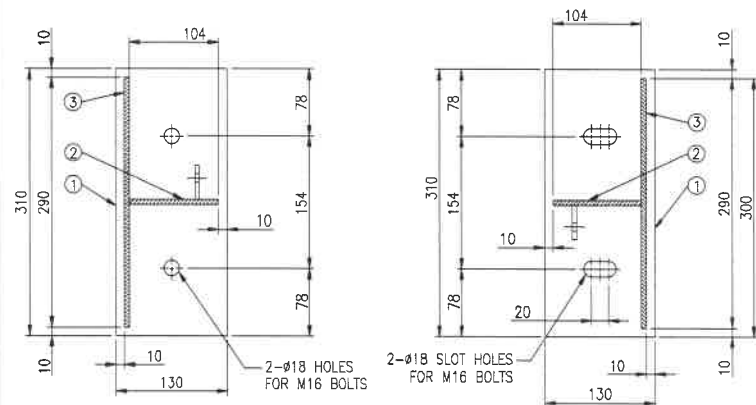
ORIENTATION VIEW (A-A)
SCALE: 1:14



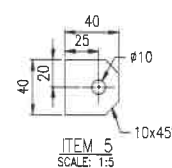
SADDLE DETAILS
SCALE: 1:8



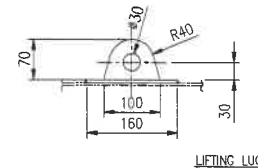
SADDLE VIEW A
SCALE: 1:8



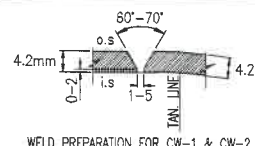
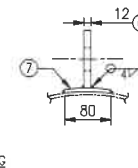
VIEW (X-X)
SCALE: 1:8



ITEM 5
SCALE: 1:5



LIFTING LUG
SCALE: 1:12



WELD PREPARATION FOR CW-1 & CW-2

ITEM	DESCRIPTION	MATERIAL	INSTALL	SPARE	QUANTITY	REMARKS	N8	1	DN15	SCH.40S	SA182-F316	ASME B16.5 CL150 SORF	VENT/RAIN C/W BLIND
7	PAD	SA240-316	2	-	PLATE - 6mm THK		N7	1	DN15	SCH.40S	SA182-F316	ASME B16.5 CL150 SORF	VENT/RAIN C/W BLIND
6	LIFTING LUG	SA240-304	2	-	PLATE - 12mm THK		N6	1	DN15	SCH.40S	SA182-F316	ASME B16.5 CL150 SORF	VENT/RAIN C/W BLIND
5	EARTHING LUG	SA240-304	2	-	PLATE - 5mm THK		N5	1	DN15	SCH.40S	SA182-F316	ASME B16.5 CL150 SORF	VENT/RAIN C/W BLIND
4	PAD	SA240-316	2	-	PLATE - 6mm THK		N4	1	DN100	SCH.40S	SA182-F316	ASME B16.5 CL150 SORF	CHILLED WATER OUTLET
3	WEB	SA240-304	2	-	PLATE - 6mm THK		N3	1	DN100	SCH.40S	SA182-F316	ASME B16.5 CL150 SORF	CHILLED WATER INLET
2	RIB	SA240-304	2	-	PLATE - 6mm THK		N2	1	DN50	SCH.40S	SA182-F316	ASME B16.5 CL150 SORF	WATER DMSO INLET
1	BASE PLATE	SA240-304	2	-	PLATE - 10mm THK		N1	1	DN50	SCH.40S	SA182-F316	ASME B16.5 CL150 SORF	WATER DMSO OUTLET
ITEM	DESCRIPTION	MATERIAL	INSTALL	SPARE	QUANTITY	REMARKS	NOZZLE	QTY	SIZE	SCH/THK	FLANGE MATERIAL	TYPE OF FLANGE/RATING	SERVICE

SUPPORT DETAILS
SCALE: 1:10

NOZZLE LIST

DESIGN DATA

DESIGN CODE		ASME BOILER & PRESSURE VESSEL SECTION VIII, DIV. 1, ED. 2017 + TEMA B	
		SHELL SIDE	TUBE SIDE
DESIGN	PRESSURE	BAR 8	8/-1
	TEMPERATURE	°C 90	90
TEST	HYDROSTATIC	BAR 10.40	10.40
	PNEUMATIC	BAR NIL	NIL
JOINT	LW	0.70	0.70
	CW	0.70	0.70
EFFICIENCY	LW	0.70	0.70
	CW	0.70	0.70
CORROSION ALLOWANCE		MM NIL	NIL
FLUID NAME		WATER DMSO	CHILLED 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 0	
MDMT		°C 0	
INSULATIONS		MM 100mm (BY OTHERS)	
SURFACE		S.S	NIL
PREPARATION		C.S	NIL
HEATING SURFACES AREA		M2 NIL	8.20
VOLUME		M3 0.078	0.195
EMPTY WEIGHT		KG 550	
FULL WATER WEIGHT		KG 819	
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 :

X1	22/11/2019	AS-BUILT	DMAR	IZZAT	MLWONG
0	21/11/2019	ISSUE FOR CONSTRUCTION	DMAR	IZZAT	MLWONG
E	02/10/2019	ISSUE FOR APPROVAL	DMAR	IZZAT	MLWONG
D	14/08/2019	ISSUE FOR APPROVAL	DMAR	IZZAT	MLWONG
C	29/07/2019	ISSUE FOR APPROVAL	DMAR	IZZAT	MLWONG
B	02/07/2019	ISSUE FOR APPROVAL	DMAR	IZZAT	MLWONG
A	29/05/2019	ISSUE FOR APPROVAL	DMAR	IZZAT	MLWONG
REV	DATE	DESCRIPTION	PRE BY	CHKD BY	APPD BY

OWNER: ORGHIM

PROJECT: NORMAN-8 PROJECT EXTENDER OILS
PLANT CONSTRUCTION AT TANJUNG LANGSAT

MANUFACTURER: TUNAS ASAL SDN. BHD.

CONTRACTOR: Esstar Vision

TITLE: GENERAL ARRANGEMENT
TAG NO. : H-8602 (ISBL)

SCALE: NTS SUBJECT: COOLING FOR WATER ON IRRIGATION OF AN ABSORBER A-8.600 UNIT: 1 SHEET: 1 OF 3
DWG. NO.: TASB/EV/2019/2268 REVISION: X1

