

TP	CLIENT'S PIPING SIZE & MATERIAL		DESCRIPTION	PROCESS WORKING / DESIGN PRESSURE	PROCESS WORKING / DESIGN TEMPERATURE
TP01	3" ANSI 300# RF	SS316	FOAM CONCENTRATE OUTLET	17 / 18 BARG	27 / 80 °C
TP02	3" ANSI 300# RF	SS316	FOAM CONCENTRATE OUTLET	17 / 18 BARG	27 / 80 °C
TP03	2" ANSI 150# RF	SS316	TANK REFILLING CONNECTION	2 / 16 BARG	27 / 80 °C
TP04	2" ANSI 150# RF	SS316	TANK REFILLING CONNECTION	2 / 16 BARG	27 / 80 °C
TP05	2" JIS 16K FF	SS316	INSTRUMENT AIR INLET	5 / 12 BARG	40 / 80 °C

COMPARTMENT FOAM CONCENTRATE STORAGE (TANK -01)

DESIGN PRESSURE : ATM
DOME VOLUME : 72 LTRS
WORK VOLUME : 3518 LTRS
DEAD VOLUME : 75 LTRS
TOTAL VOLUME : 3665 LTRS

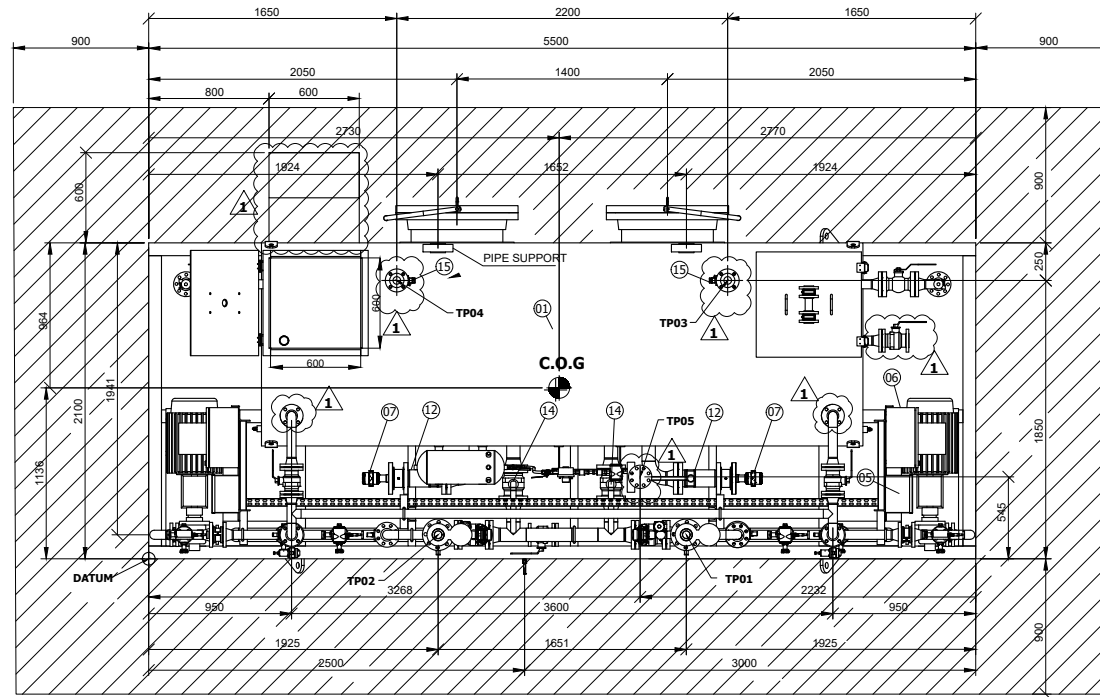
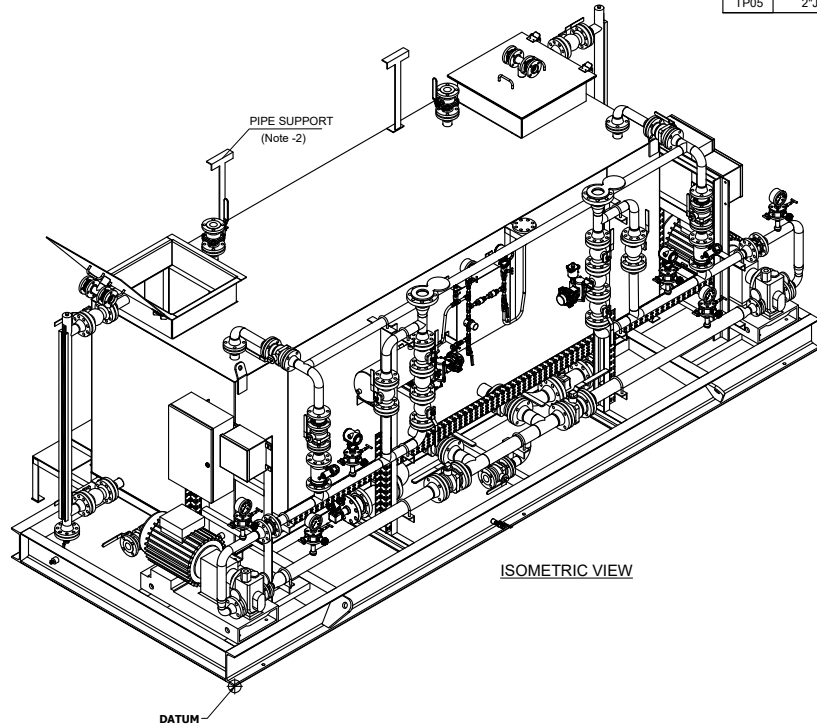
COMPARTMENT FOAM CONCENTRATE STORAGE (TANK -02)

DESIGN PRESSURE : ATM
DOME VOLUME : 72 LTRS
WORK VOLUME : 3518 LTRS
DEAD VOLUME : 75 LTRS
TOTAL VOLUME : 3665 LTRS

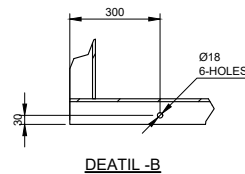
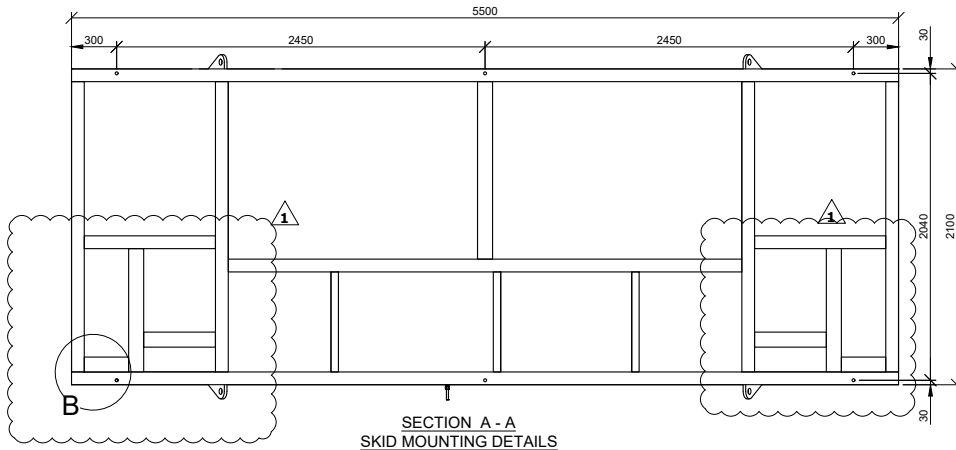
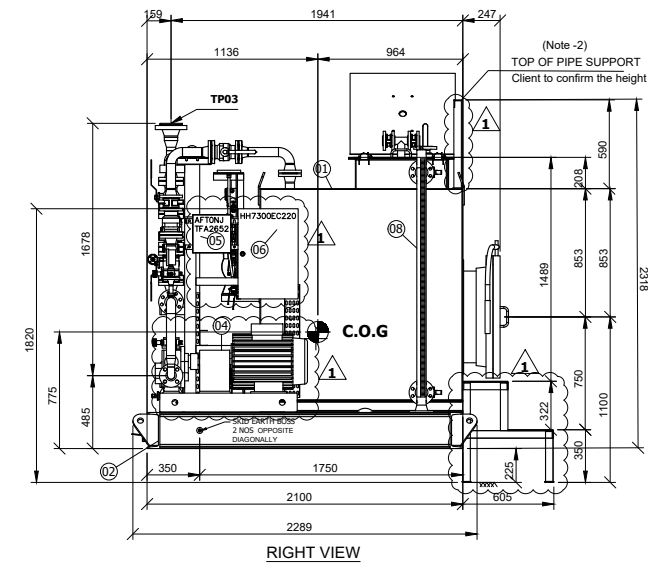
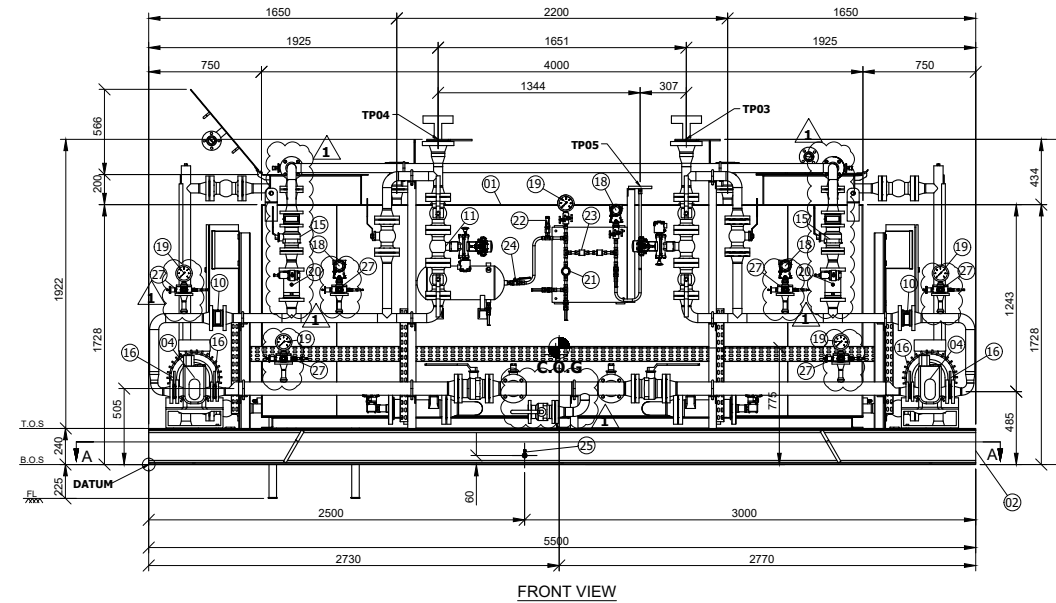
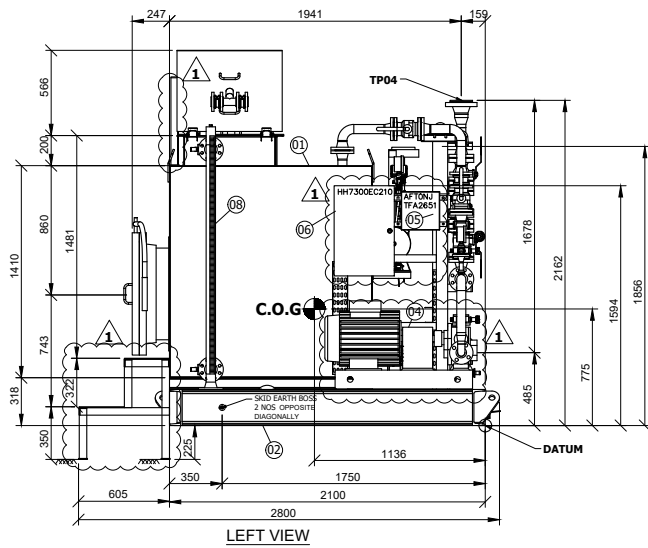
SKID WEIGHT DETAILS

DRY WEIGHT : 7100 Kg (APPX)
WET WEIGHT : 16100 Kg (APPX)

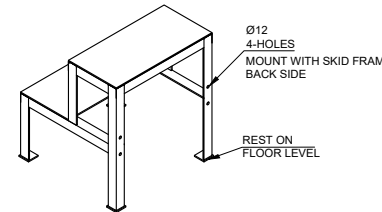
- NOTE:
- ALL DIMENSION ARE IN MM
 - PIPING SUPPORT DESIGN FOR CLIENT'S PIPING AT TP01 AND TP02 SHALL BE CONFIRMED BY CLIENT.
 - FOAM TANK IS SEPARATED TO 2x50% AS PER 4404HDDP5001NQ P&ID.
 - MONOFLANGE TYPE SINGLE BLOCK AND BLEED VALVE MANIFOLD IS APPLIED FOR PRESSURE TRANSMITTERS AND GAGUES. REFER TO 4404HDDW001NQ INSTRUMENT HOOK-UP DRAWING FOR MORE DETAILS.
 - CABLE TRAY INSTRUMENT TUBING ARRANGEMENT CAN BE CHANGED DURING DETAIL DESIGN AND PRODUCTION STAGE AT SEMCO MARITIME.
 - PORTABLE STEP IS NORMALLY MOUNTED ON SKID FRAME. IT CAN BE USED WHEN NECESSARY FOR ACCESS TO EXPANSION DOMES AND VALVES ON TANK.
 - FOAM SUCTION LINE IS ELBOWED DOWNWARD INSIDE TANK.



ITEM	QTY	PARTS DESCRIPTION	MATERIAL
01	01	ATM - FOAM CONCENTRATE STORAGE TANK (2 X 50 %)	SS316 PAINTED RAL3020
02	01	SKID BASE STRUCTURAL	GRADE S355, C.S, RED PAINTED RAL3020
03	-	PIPE FITTINGS AND TUBE FITTINGS	SS316, PAINTED RAL3020 FOR PIPING
04	02	PUMP (HH7300PC210 & HH7300PC220)	GUNMETAL
05	02	JUNCTION BOX (AFTONJTF2651 & AFTONJTF2652)	GRP
06	02	MOTOR STARTER PANEL (HH7300EC210 & HH7300EC220)	STEEL (DETAIL TBD)
07	02	LEVEL TRANSMITTER, 3" FLANGED # 300 (HH7300LT2500 & HH7300LT2501)	SS316
08	02	LEVEL GAUGE, 2" FLANGED # 300 (HH7300LG2500 & HH7300LG2501)	SS316
09	04	1-1/2" CHECK VALVE DOUBLE DISC WAFER TYPE	SS316
10	04	2" CHECK VALVE DOUBLE DISC WAFER TYPE	SS316
11	02	PNEUMATIC ACTUATED ON-OFF VALVE 2" FLANGED # 300 (HH7300OB210 & HH7300OB220)	SS316
12	02	BALL VALVE, 3" FLANGED # 300	SS316
13	10	BALL VALVE, 2" FLANGED # 300	SS316
14	04	BALL VALVE, 3" FLANGED # 150	SS316
15	09	BALL VALVE, 2" FLANGED # 150	SS316
16	04	1-1/2" SPECTACLE BLIND	SS316
17	02	3" SPECTACLE BLIND	SS316
18	03	1/2" PRESSURE TRANSMITTER (HH7300PT2502 & HH7300PT2503 & HH7300PT2504)	SS316
19	05	1/2" PRESSURE GAUGE (HH7300PG2500, HH7300PG2501, HH7300PG2502, HH7300PG2503, HH7300PG2504)	SS316
20	02	PRESSURE CONTROL VALVE, 2" # 300 (HH7300PRV210 & HH7300PRV220)	SS316
21	01	1/2" PRESSURE CONTROL VALVE	SS316
22	01	1/2" PRESSURE SAFETY VALVE (HH7300PSV2500)	SS316
23	02	1/2" CHECK VALVE	SS316
24	04	1/2" BALL VALVE	SS316
25	01	1/2" BALL VALVE FOR DRIP PAN DRAIN	BRASS
26	01	AIR RESERVOIR (SIZE 8 LTR)	SS316
27	06	3/4" MONO FLANGE MANIFOLD	SS316



PORTABLE STEP MOUNTING DETAILS



CONTRACTOR RETURN CODE	CONTRACTOR APPROVAL	SHAWING HEAVY INDUSTRIES
Code A	Approved without Comment Go to PIF for final emission Revise and Resubmit. (IFF and Rev up)	
Code B	Approved with Comment Incorporate comments. Revise and Resubmit. (IFA and Rev up)	
Code C	Not Approved Do not proceed. Revise and Resubmit (Same status and Rev up)	
Code D	Review Not Required / For Information	
Code E	Cosmetic Modification Required Revise and Resubmit within 2 days. (Same status and Same rev)	

EX-DE	01	09/03/18	ISSUED FOR APPROVAL	GSEM	WEPA / HYPA	DALI	
EX-DE	00	19/12/17	ISSUED FOR COMMENTS	GSEM	WEPA	HYPA	
Valley	Revision	Date	Description	Prepared by	Checked by	Approved by	Contractor Approval
Index	Revision	Date	Description	Prepared by	Checked by	Approved by	Contractor Approval
Company Logo and Business				Project Name			
Contractor Logo and Business				Company Document ID			
Vendor Logo and Business Name				Job No			
Facility and Sub Facility Name				Contract N°			
Document Title				Doc Item			
LX FOAM PACKAGE - GENERAL ARRANGEMENT				Vendor Document ID			
				Scale			
				Sheet of Sheets			
				1 : 50			
				1 / 1			
				Superseded N°			
				Superseded by N°			
				Plant Area			
				730			