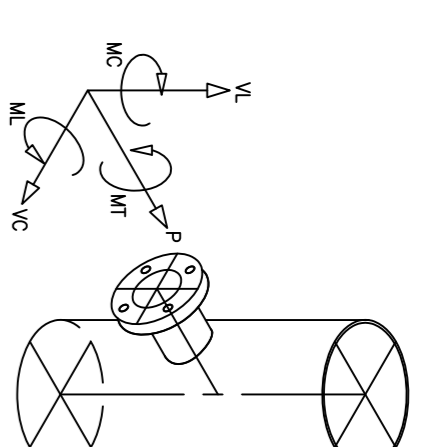


PLAN VIEW



DESIGN DATA

EQUIPMENT NAME	CAUSTIC SOLUTION EVAPORATOR
TAG NO.	EV-101ABC
QTY.	3 ASME SEC.VIII
DESIGN CODE	ASME SEC.VIII
DESIGN PRESSURE	1.5 BAR
SPECIFIC GRAVITY	1.5 m <sup>3</sup>
GEOMETRY VOLUME	3.5 m <sup>3</sup>
OPERATING VOLUME	2000
INTERNAL DIAMETER	3000
LENGTH (T.L. - I.L.)	2000
TOTAL LENGTH (FACE TO FACE OF FIG.)	20
OPERATING PRESSURE (PERMAN./MAX)	60
DESIGN INTERNAL PRESSURE	80
VACUUM PRESSURE	Bar
DESIGN TEMPERATURE	hold/hold
M.A.T.	
HYDROSTATIC PRESSURE	Bar
PNEUMATIC PRESSURE	Bar
FILLING RATE	m <sup>3</sup> /min
EMPTYING RATE	m <sup>3</sup> /min
RADIOGRAPHY TEST	AS PER CODE
SEISMIC ZONE	3
WIND VELOCITY	Km/h
CORROSION ALLOWANCE	
SHELL THICKNESS (AFTER FORMING)	8/10
TANK EMPTY WEIGHT (WITH 3% FILLER METAL)	hold
TANK OPERATING WEIGHT	hold

MATERIALS

SHELL / WEAR PLATE	NICKEL (SR-162 AS ROLLED)
HEAD	SA 240 TP304L (NICKELAS ROLLED)
LUG	SS 304
FLANGE	SS 304
FITTING	SS 304
GASKET	SA 193-GR-B7
INTERNAL STRUCTURE	SA 194-GR-2H
EXTERNAL STRUCTURE	304SS/GRAPHITE
FINAL INTERNAL PAINTING	5.2833 GR.C
FINAL EXTERNAL PAINTING	

AS-BUILT

PART LIST

Pos.	PART NAME	DESCRIPTION	QTY.	MATERIAL	UNIT	TOTAL WEIGHT (Kg)	REMARKS
1	SHELL PLATE	PL.6000x20x6	4	SR-162	198.6	794.4	
2	SHELL PLATE	PL.298x20x6	4	SR-162	9.9	39.6	
3	SHELL PLATE	PL.6000x20x6	1	SR-162	66.6	66.6	
4	SHELL PLATE	PL.298x20x6	1	SR-162	3.3	3.3	
5	TORSIONERICAL HEAD	ID. 2000, THK.=10	1	SA240-304L	643.2	643.2	
6	TORSIONERICAL HEAD	ID. 2000, THK.=8	1	SR-162	643.2	643.2	
7	PNQ PLATE	PL. 350x315x6	4	SR-162	5.9	23.6	
8	BASE PLATE	PL. 329x320x20	4	A283 GR.C	15.8	63.2	
9	RIB PLATE	PL. 324x230x15	8	A283 GR.C	5.7	45.6	
10	TOP PLATE	PL. 101x300x13	4	A283 GR.C	3.8	14.4	
11	CONNECTION PLATE	PL. 200x80x13	8	SR-162	1.9	15.2	
12	NAME PLATE	PL. 188x197x1	1	S.S.	1.0	1.0	
13	BRACKET	PL. 248x248x4	1	A283 GR.C	3.0	3.0	
					TOTAL WEIGHT=(Kg)	2356	

TOTAL WEIGHT FOR 3 TANKS = 7068 KG

GENERAL NOTES

- 1- ALL DIMENSIONS ARE IN (mm), UNLESS SPECIFIED NOTED.
- 2- ALL FLANGES & GASKETS ARE ACCORDING TO ANSIB16.5 & ANSIB16.21 UNLESS SPECIFIED NOTED.
- 3- ALL BOLT HOLES OF FLANGES SHALL BE STRADDLE ON MAIN AXIS.
- 4- ANCHOR BOLTS SHALL BE DONE BY OTHERS.

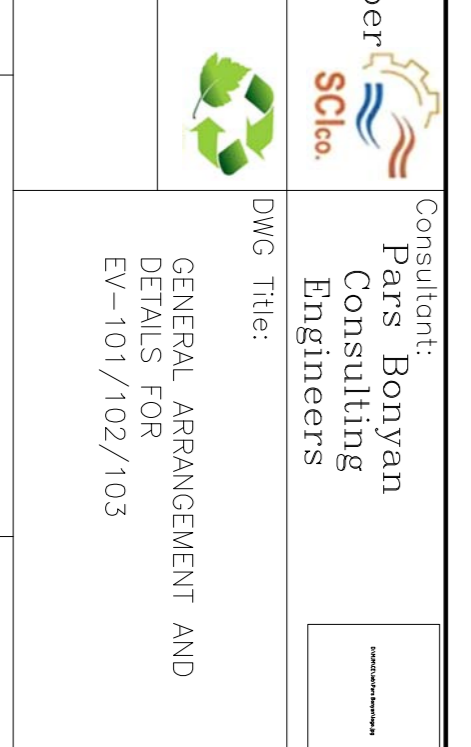
\*\* D.P = DIAMETER OF HOLE IN SHELL, HEAD & REINFORCING PAD.  
 \* PROL. = DISTANCE FROM FLANGE RAISED FACE TO OUTER SURFACE OF THE SHELL OR HEAD.

NOZZLES DATA

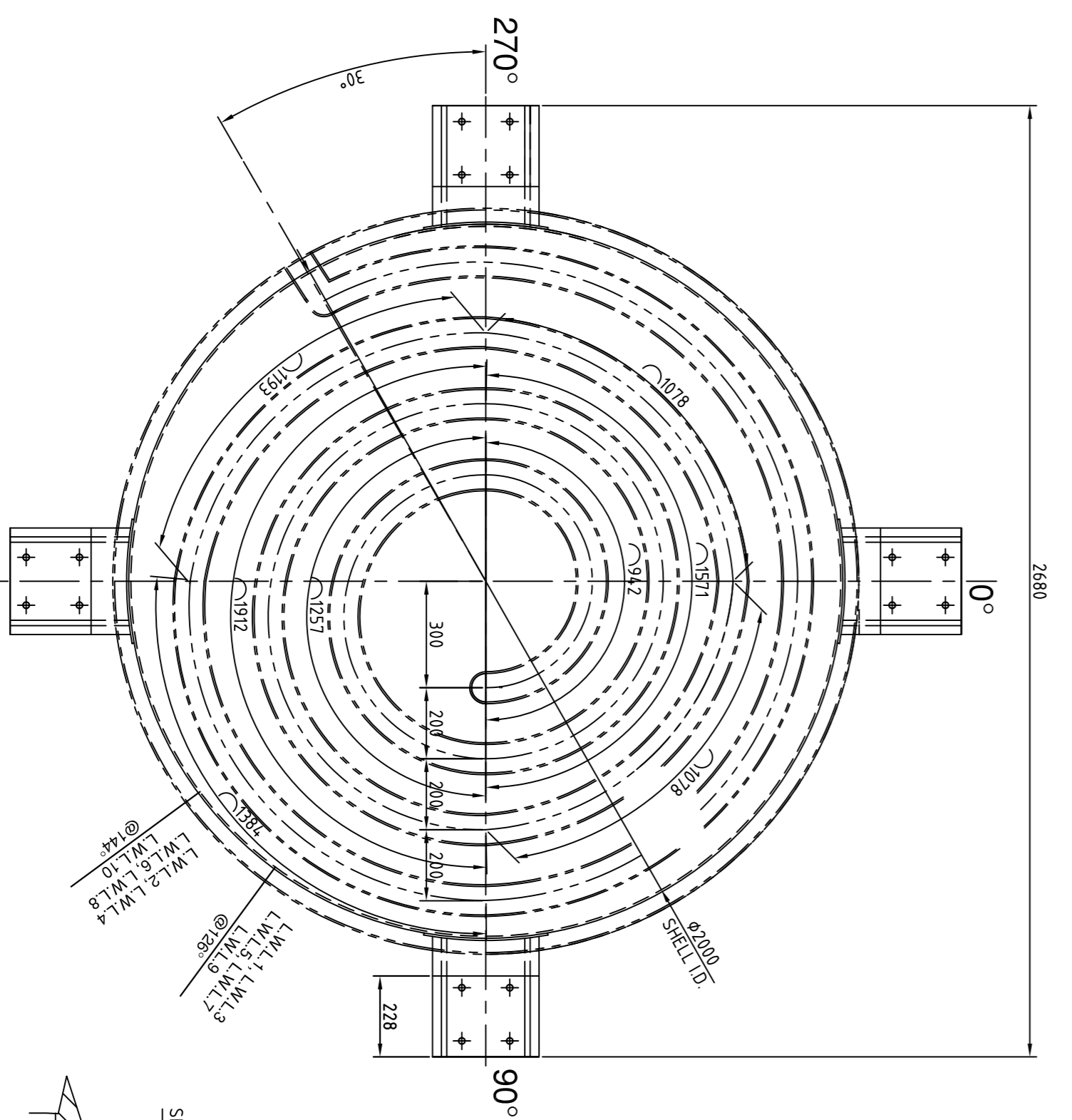
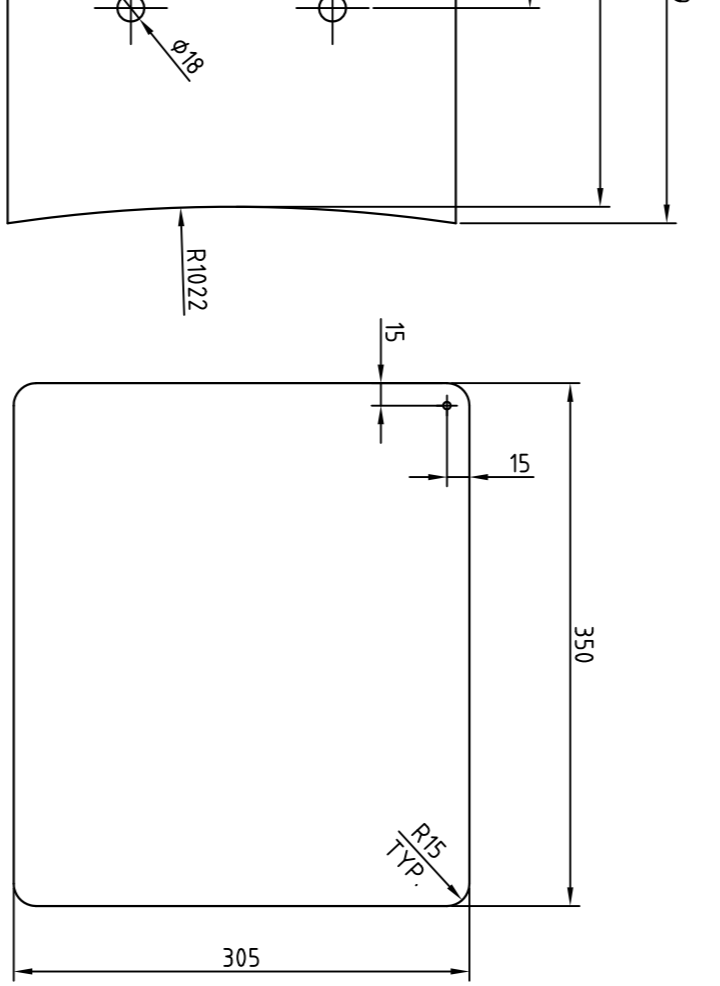
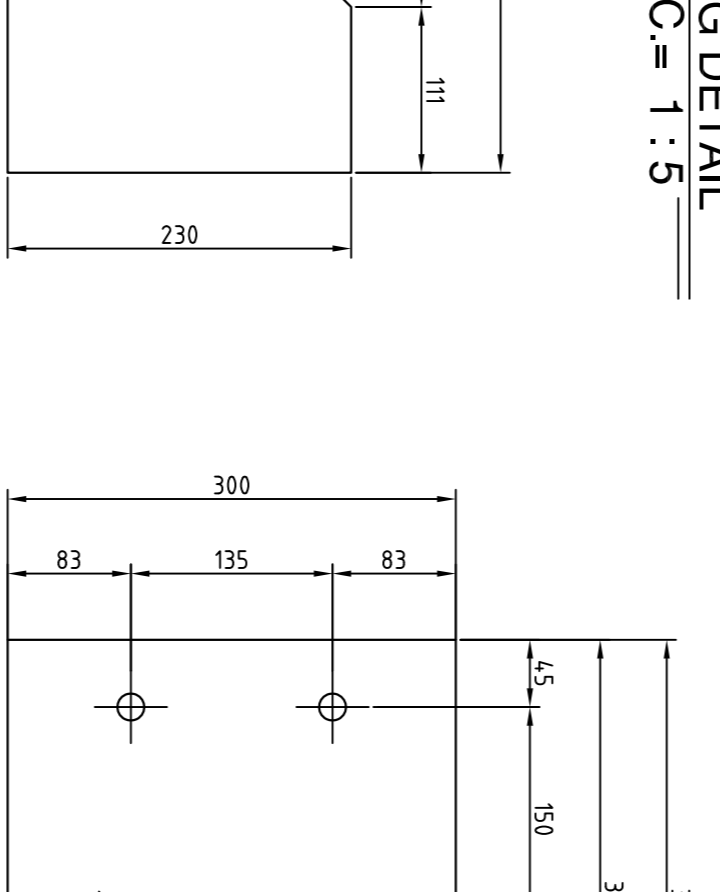
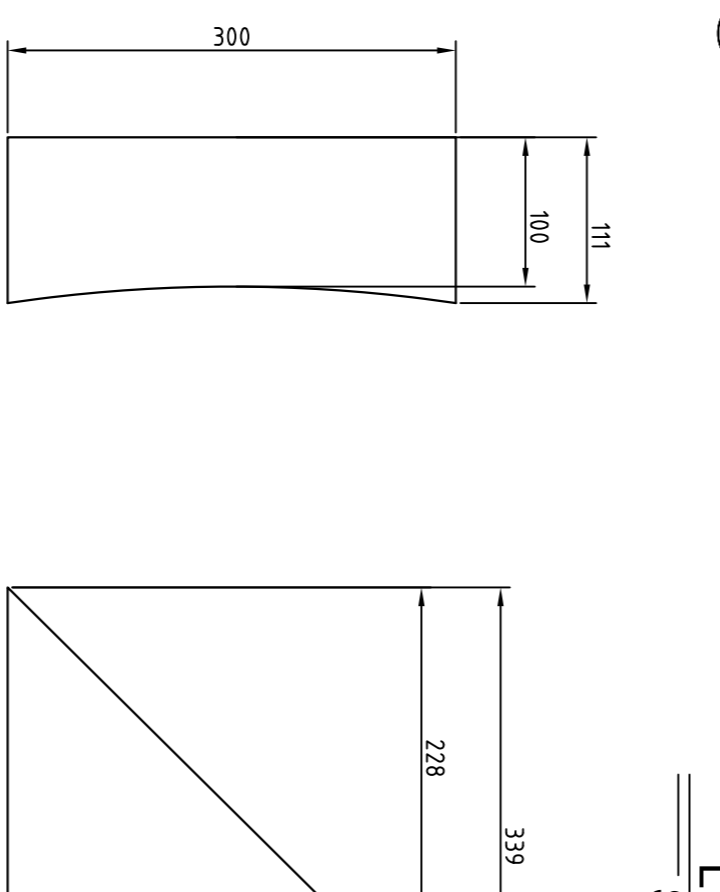
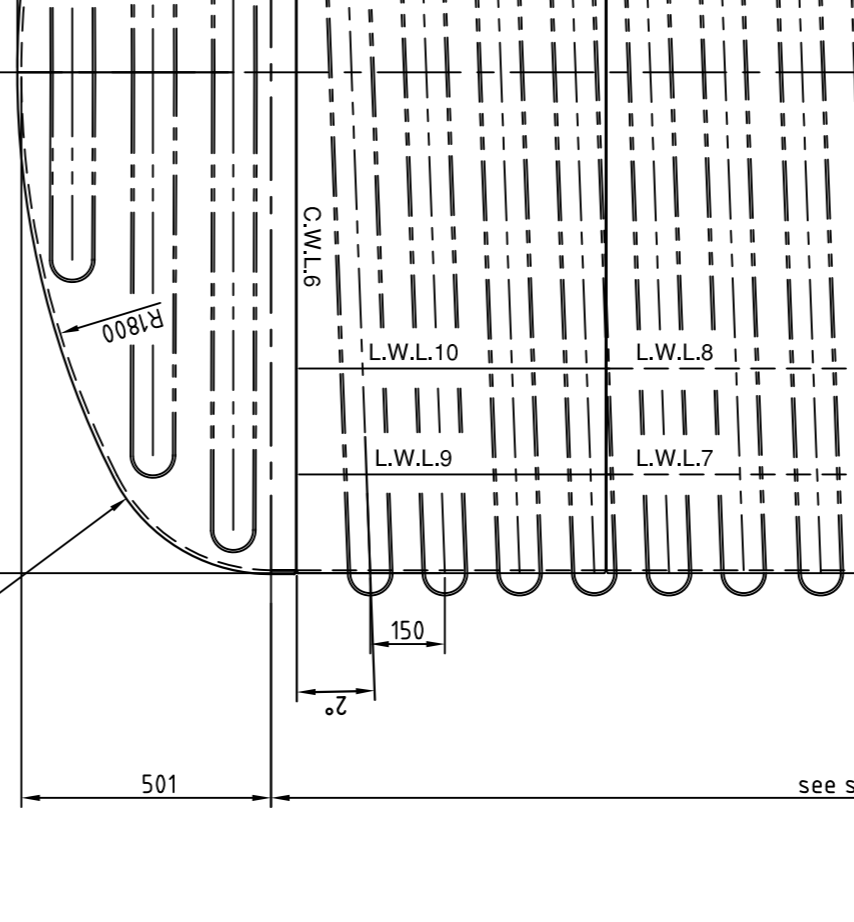
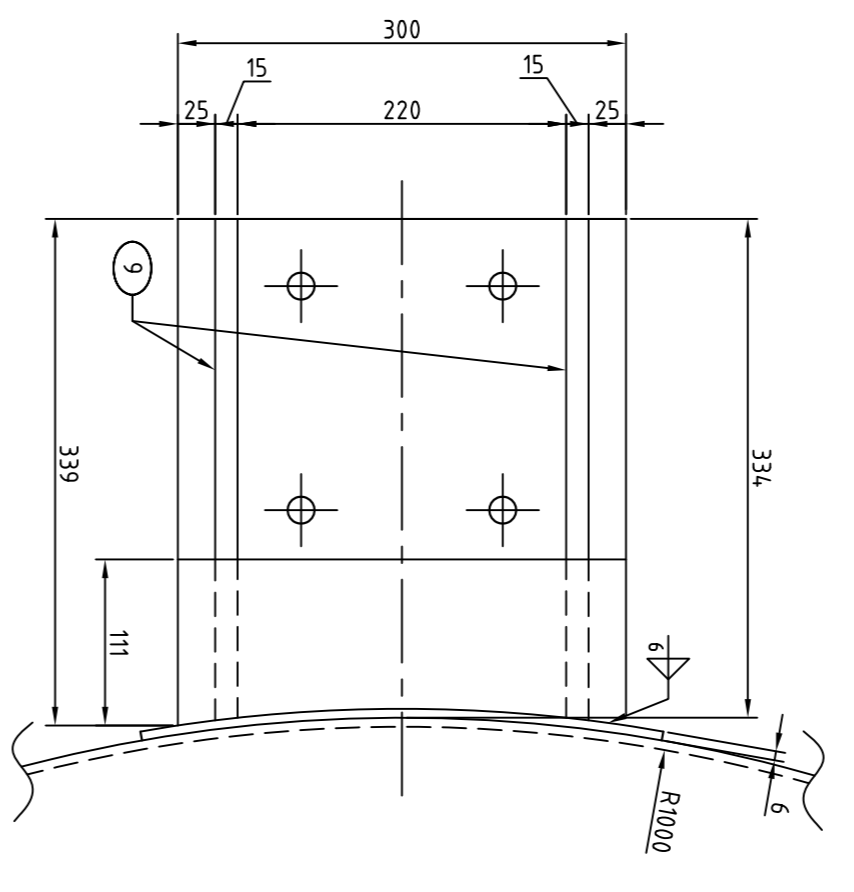
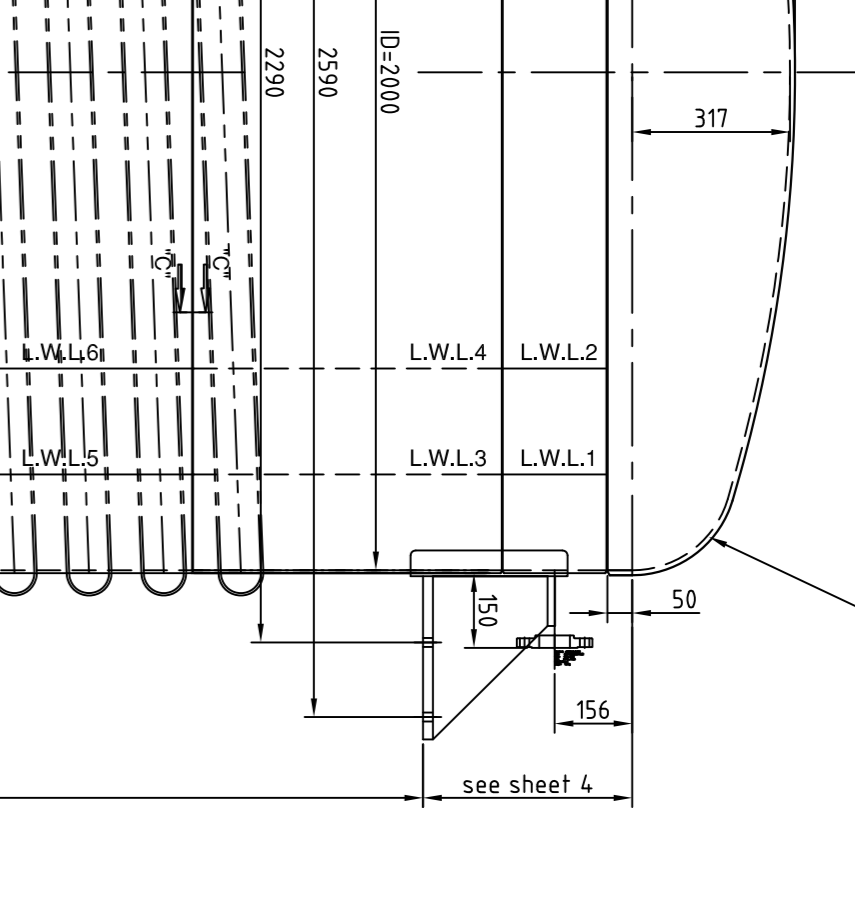
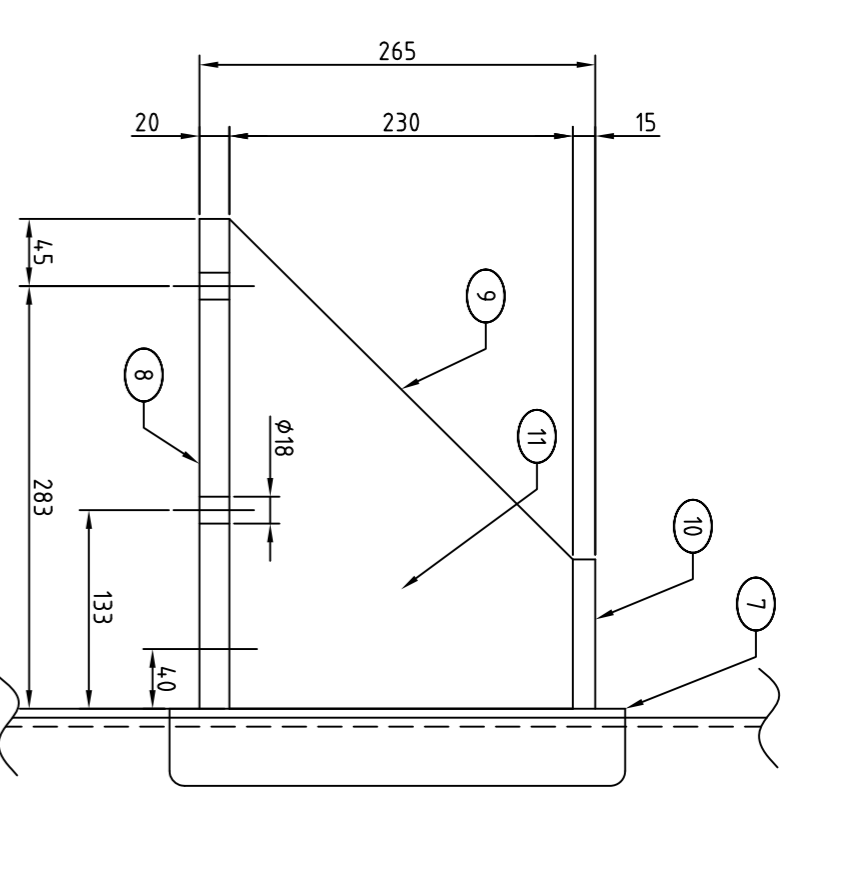
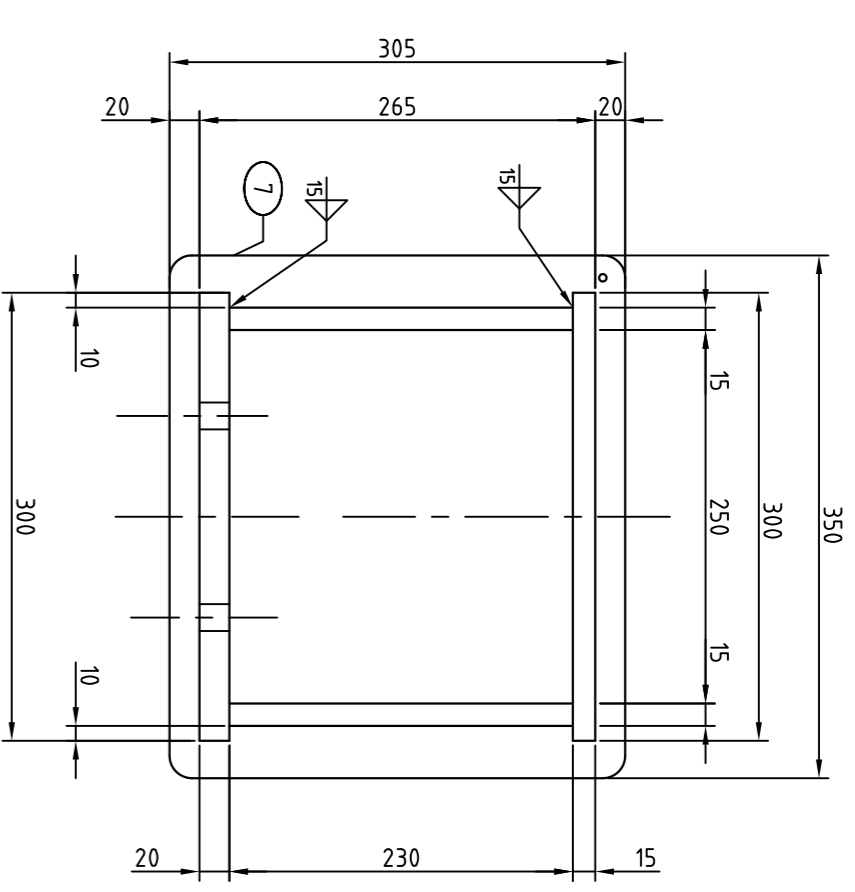
QTY	MARK	SIZE	(IN)	TYP.	SCH.	PROL.	REINFORCING PAD	REINFORCING SERVICE
N10	10"		150					CAUSTIC INLET FROM V-101
N1	2"		150					

Prepared By:	Checked By:	Approved By:

Employer: Sarcheshmeh Copper Investment Co.  
 Consultant: Pars Boyan Consulting Engineers  
 Contractor: Kimia Neshan Kerman Sabz  
 Project Title: Sodium Sulfide  
 GENERAL ARRANGEMENT AND DETAILS FOR EV-101/102/103



DWG No.:	SC101-ME-DWG-EV101
Sheet:	1 of 1



TOP VIEW

SC. = 1 : 15

Torspherical head  
 THK=mm, 10(AFTER FORMING)  
 Material: SA240 TP304L

VIEW 'D'

SC. = 1 : 5

NAME PLATE

SC. = 1 : 2

GENERAL VIEW

SC. = 1 : 15

SECTION 'A-A'

NT.SC.

SECTION 'C-C'

NT.SC.

SECTION 'B-B'

NT.SC.

LUG DETAIL

SC. = 1 : 5

POS '10'

THK.15/DTY=4

POS '9'

THK.15/DTY=8

POS '8'

THK.20/DTY=4

POS '7'

THK.6/DTY=4

GENERAL NOTES

\*\* D.P = DIAMETER OF HOLE IN SHELL, HEAD & REINFORCING PAD.

\* PROL. = DISTANCE FROM FLANGE RAISED FACE TO OUTER SURFACE OF THE SHELL OR HEAD.

NOZZLES DATA

QTY MARK SIZE (IN) TYP. SCH. PROL. REINFORCING PAD REINFORCING SERVICE

Prepared By:

Checked By:

Approved By:

Employer: Sarcheshmeh Copper Investment Co.

Consultant: Pars Boyan Consulting Engineers

Contractor: Kimia Neshan Kerman Sabz

Project Title: Sodium Sulfide

GENERAL ARRANGEMENT AND DETAILS FOR EV-101/102/103

DWG No.:

Sheet: