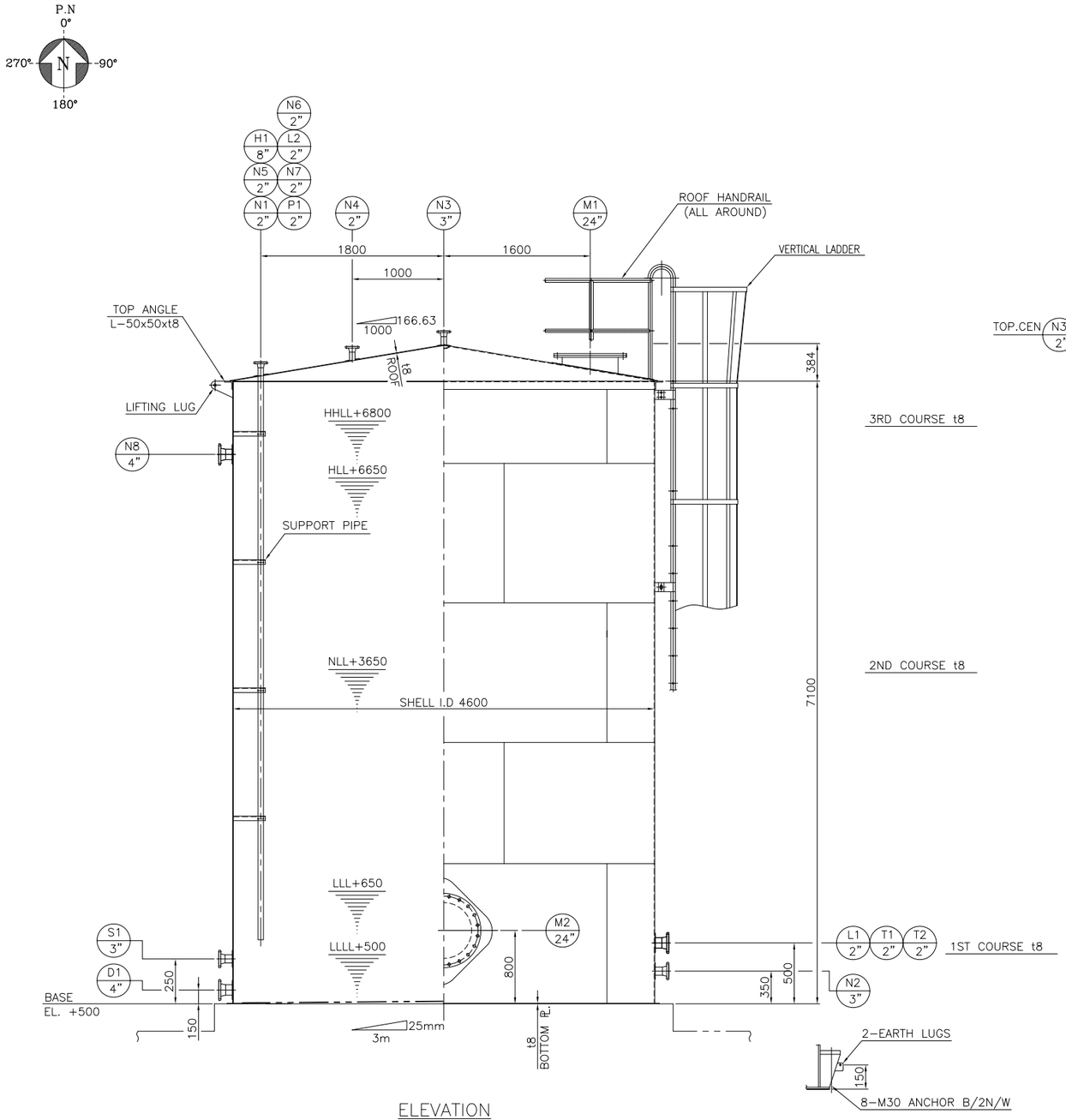
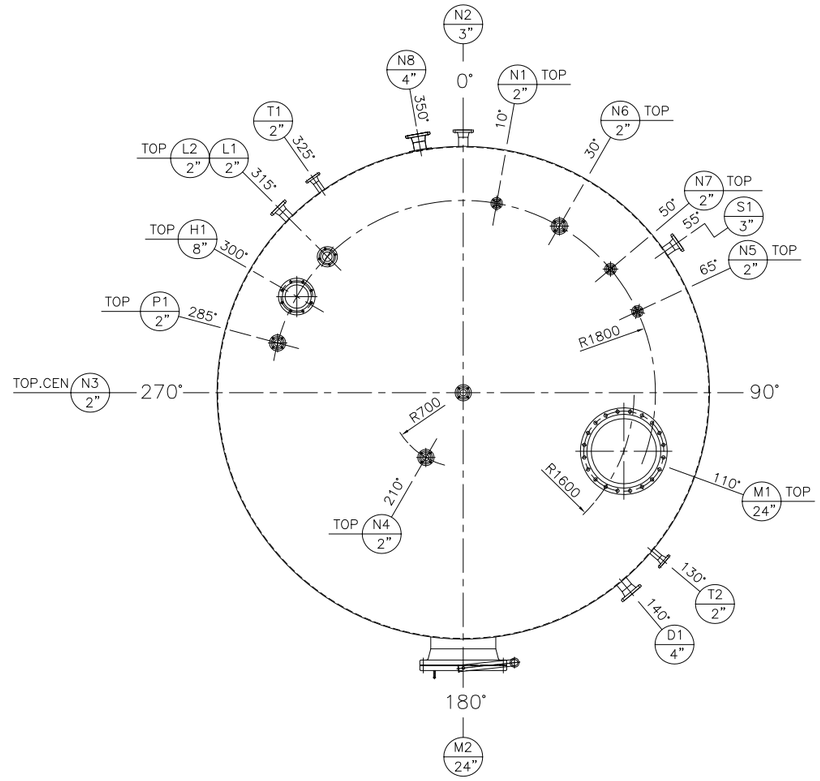
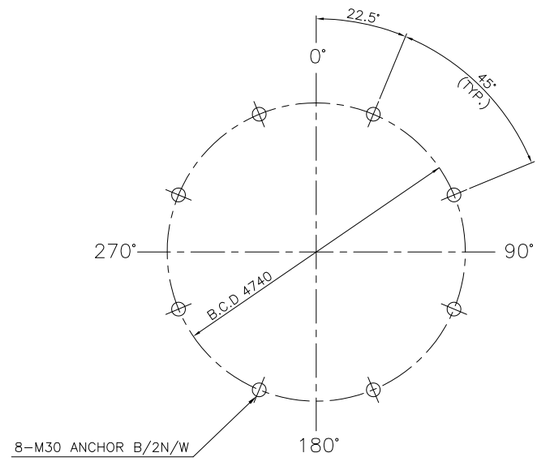
DWG NO. 22-TK7102-D-010



ELEVATION



NOZZLE ORIENTATION



ANCHOR ORIENTATION

MARK NO.	NO REQ'D	SIZE	RATING	TYPE	FACING	SCH.	DESIGNATION	FROM C.L	REMARK
S1	1	3"	ASME 150#	WN	RF	160	SPARE	SEE DWG.	W/BLIND
T2	1	2"	ASME 150#	WN	RF	160	TI CONNECTION	SEE DWG.	
T1	1	2"	ASME 150#	WN	RF	160	TE CONNECTION	SEE DWG.	
P1	1	2"	ASME 150#	WN	RF	160	PRESSURE TRANSMITTER	SEE DWG.	
M2	1	24"	API 650	–	–	t20.7	MANHOLE	2550	
M1	1	24"	API 650	–	–	t6.4	MANHOLE	SEE DWG.	
L2	1	2"	ASME 150#	WN	RF	160	LT CONNECTION	2460	
L1	1	2"	ASME 150#	WN	RF	160	LT CONNECTION	SEE DWG.	
H1	1	8"	ASME 150#	WN	RF	60	GAUGE HATCH CONNECTION	SEE DWG.	W/BLIND
D1	1	4"	ASME 150#	WN	RF	80	DRAIN	2460	
N8	1	4"	ASME 150#	WN	RF	80	FORM CHAMBER	SEE DWG.	
N7	1	2"	ASME 150#	WN	RF	160	OFF-SPEC INLET	SEE DWG.	
N6	1	2"	ASME 150#	WN	RF	160	ORGANIC INLET	SEE DWG.	
N5	1	2"	ASME 150#	WN	RF	160	SPARE	SEE DWG.	W/BLIND
N4	1	2"	ASME 150#	WN	RF	160	N2 INLET	SEE DWG.	
N3	1	3"	ASME 150#	WN	RF	160	PSV CONNECTION	SEE DWG.	
N2	1	3"	ASME 150#	WN	RF	160	LIGHT PURGE OUTLET	2460	
N1	1	2"	ASME 150#	WN	RF	160	LIGHT PURGE INLET	SEE DWG.	W/DIP PIPE

NOZZLE SCHEDULE

MATERIAL SPECIFICATION	
SHELL, ROOF / REINFORCING PADS	SA36
BOTTOM	SA36
FLANGES & COVERS	SA105
FORGED NOZZLES FLANGES & COVERS	–
NOZZLE NECK PLATE	SA36
PIPE NOZZLE NECKS & WELDING FITTINGS	SA106-B
INTERNAL SUPPORTS WELDED TO SHELL	SA36
EXTERNAL LUGS	–
INTERNAL PACKING	–
SCREENS WIRE MESH DEMISTERS	–
INTERNAL PIPE & WELDING FITTINGS	–
EXTERNAL BOLTS/NUTS	SA193-B7 / SA194-2H
GASKETS	SEE NOTE "8"
INSULATION SUPPORT	SA240-304
NAME PLATE W/BRACKET & EARTH LUG	SA240-304
ANCHOR BOLT/NUT	SA307-B/SA563-A(H.D.G)
STRUCTURE	SA36

DESIGN DATA			
CODE	API 650	NATION REGULATION	KSA
FLUID NAME	LIGHT ENDS	CORR. ALLOW.	1.6 MM
DESIGN PRESS.	-6 / 35 mmH2OG	OPER. PRESS.	-5 ~ 30 mmH2OG
DESIGN TEMP.	85 °C	OPER. TEMP.	40 °C
HYDRO.TEST PRESS.	AS PER CODE mmH2OG	PNEUMATIC TEST PRESS.	– mmH2OG
POSTWELD HEAT TREATMENT	NO	INSULATION	NONE MM
JOINT EFF.(SHELL/HEAD)	85 / 85 %	FIRE PROOFING	YES
X-RAY(SHELL/HEAD)	SPOT / SPOT	EARTHQUAKE FACTOR	1.25(SITE CLASS "D")
WIND VELOCITY	42.7 M/SEC	LETHAL SERVICE	–
TYPE OF ROOF	SUPPORTED CONE	M.D.M.T	-5 °C

WEIGHT & CAPACITY (ESTIMATED)			
ERECTION	8.3 TON	WEIGHT LIQUID	100 TON
EMPTY WEIGHT	8.6 TON	TOTAL OPERATING WEIGHT	108.6 TON
WEIGHT INSULATION	– TON	TOTAL FULL OF WATER WEIGHT	121.3 TON
WEIGHT PLATFORM & LADDER	0.3 TON	CAPACITY	118 M^3
WEIGHT OTHERS	– TON		

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT AS NOTED.
2. ALL WELDS ARE CONTINUOUS EXCEPT AS NOTED.
3. ALL FLANGE BOLT HOLES SHALL FLANGE STRADDLE NATURAL CENTER LINE OF EQUIPMENT.
4. VENDOR SHALL CHECK AND GUARANTEE THICKNESS OF EACH PART BY STRENGTH CALCULATION.
5. ALL RECTANGULAR PADS WELDED TO BODY SHALL HAVE 25MM MINIMUM CORNER RADIUS.
6. NOZZLE REINFORCEMENT PAD SHALL BE PROVIDED WITH AT LEAST 1(ONE)-1/4" NPT THREADED TELLTALE HOLES WITH S.S PLUGS. THE TELLTALE HOLE SHALL NOT BE LOCATED ON THE LONGITUDINAL CENTERLINE OF THE EQUIPMENT.
7. HEAD THICKNESS MEANS AFTER FORMING OF HEAD.
8. GASKET MATERIAL ; TEALON1590 OR EQ.
9. ASME "U" STAMP WITH NATIONAL BOARD REGISTRATION SHALL BE REQUIRED.

REV.	DESCRIPTION	DATE	PRE'D	CH'D	CH'D	APP'D (ATEC)	APP'D (SIPC)