



- GENERAL NOTE :
1. ALL DIMENSIONS ARE IN MILLIMETERS.
  2. ALL DIMENSIONS TO BE INSIDE OF PLATEWORK UNO.
  3. ALL FLANGE TO ANSI B16.5 CLASS 150#, HOLES OFF CENTRELINE U.N.O.
  4. BUTT WELD SHALL BE QUALIFIED COMPLETE PENETRATION.
  5. GASKET MATERIAL :  
A). SPESIAL FLANGE : NON ASBESTOS (13)  
B). NOZZLE GASKET : SPIRAL WOUND (14.5)  
-FILLER : FLEXIBLE GRAPHITE -INNER RING : C.S  
-HOOP : 316 S.S -OUTER RING : C.S
  6. SURFACE PREPARATION & PAINTING TO SPEC'N ADIP-3655-2100-018-SFP-0003-2
  7. ALL WELD MUST CONFIRM TO API 650 LATEST EDITION.

**Document / Drawing Review Status**

☐ Proceed, no exception taken

☐ Proceed subject to incorporation of changes indicated. Revise & Re-Submit

☐ Do not proceed. Undertake changes noted and re-submit

☐ Review not required work may proceed

**IMPORTANT**  
Acceptance with or without comments of vendor's drawing or documents shall not relieve the vendor from complying with all terms, conditions, codes, standard & requirements of order & specification. Re-submit when a revision is made to the drawing or document by the manufacture or by sub-sequent.

Sign: \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

DESIGN DATA				
CODE		API 650 13th EDITION, 2020		NO. OF UNIT
CODE STAMP		NO		1 UNIT
REGULATION		DISNAKER (APPROVAL DOC. ONLY)		CLASS OF TANK
PRESSURE kPa.G	DESIGN	ATM		FABRICATION
	OPERAT.	-		EMPTY
TEMP.	DESIGN	48		OPERATING
	OPERAT.	AMB		TEST (SHOP)
TEST PRESSURE kPa.G	HYDRO. (SHOP)	FULL OF WATER		
	PNEUM. (mm)	-		SG. CONTENT
CORROSION ALLOWANCE		(mm)		LIVE VOLUME
RADIOGRAPHY		SPOT		(m <sup>3</sup> )
JOINT EFFICIENCY		0.8 / 0.75		567
POST WELD HEAT TREATMENT		NO		WIND DESIGN CODE
FLUID NAME		-		SEISMIC DESIGN CODE
M.D.M.T. °C		0		ASCE 7
OUTER PAINT		YES (NOTE 6)		WIND SPEED (m/s)
INTERNAL PAINT		YES		40
INSULATION (mm)		N/A		SOUR SERVICE
FIRE PROOFING (mm)		N/A		NO
				PAINTING SPEC.
				AS PER SPEC.

MATERIAL SPECIFICATIONS			
SHELL		ASTM A36	
REINF. PAD		ASTM A36	
BOTTOM PLATE		ASTM A36	
STANDARD NOZZLE FLANGE		ASTM A105	
NOZZLE NECK	PIPE	ASTM A106 Gr.B	
	FORGING	-	
BOLT/NUT	EXTERNAL	A193 Gr.87 / A194 Gr.2H	
	INTERNAL	-	
GASKET		NOTE 5	
INTERNAL PART	FIXED	ASTM A36	
	REMOVABLE	ASTM A36	
ANCHOR BOLT/NUT		A307 Gr.B (HDG)	
NAME PLATE/BRAKET		316 S.S / A36	
EARTHING LUG		304 S.S	

NOZZLE LIST						
NOZZLE MARK	REQ'D NO.	NOM. SIZE	SCH. NO.	FLANGE RATING	SERVICE	REMARKS
N1A	1	400x600	16	-	INLET	SEE DWG. W/DOWNCOMER PIPE
N1B	1	400x600	16	-	INLET	SEE DWG. W/DOWNCOMER PIPE
N2	1	400x600	16	-	OUTLET	SEE DWG. W/LAUNDER
N3	1	8"	SCH.80	ANSI 150# S.O.R.F	DRAIN	4662/SEE DWG. W/CLEAN OUT DOOR
N4	1	6"	SCH.80	ANSI 150# S.O.R.F	OVERFLOW	4510 W/OVERFLOW SPOOL
MH1	1	24"	18	API 650 STD	MANHOLE	4462 W/BLIND & DAVIT

E2502-000-DWG-512	DETAIL OF ANCHOR BOLT & CHAIR
E2502-000-DWG-511	DETAIL OF NAME PLATE
E2502-000-DWG-510	DETAIL OF EXTERNAL SUPPORT
E2502-000-DWG-509	DETAIL OF INTERNAL SUPPORT PIPE
E2502-000-DWG-508	DETAIL OF INTERNAL BAFFLE
E2502-000-DWG-507	DETAIL OF NOZZLE 3/3
E2502-000-DWG-506	DETAIL OF NOZZLE 2/3
E2502-000-DWG-505	DETAIL OF NOZZLE 1/3
E2502-000-DWG-504	DETAIL OF MANHOLE
E2502-000-DWG-503	DETAIL OF BOTTOM SUPPORT
E2502-000-DWG-502	DETAIL OF BODY & SUPPORT
E2502-000-DWG-501	GENERAL ARRANGEMENT

REV	DATE	DESCRIPTION	DRN	CKD	DESIGN ENG	LEAD ENG	PROJ APP	CLIENT APP
C	28/01/26	ISSUED FOR APPROVAL	JNK	HER	DS	HK	MS	-
B	03/11/25	ISSUED FOR APPROVAL	JNK	HER	DS	HK	MS	-
A	15/10/25	ISSUED FOR APPROVAL	JNK	HER	DS	HK	MS	-



DRAWN	INKO	DATE	15/10/25
CHECKED	-	-	-
DESIGN ENG	-	-	-
LEAD ENG	-	-	-
PROJ APP'D	-	-	-
CLIENT	-	-	-



L2, 38 RICHARDSON ST WEST PERTH, WESTERN AUSTRALIA 6005  
+61 8 9432 0100  
www.comoeng.com.au

TITLE  
POB0Y0 2000 TPD EXPANSION PROJECT  
PROCESS PLANT AREA  
ADSORPTION TANK 04 (4430-TK-105)  
GENERAL ARRANGEMENT

PLOT SCALE  
AS-SHOWN

NEITHER THIS DOCUMENT NOR ITS CONTENTS MAY BE USED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN AUTHORIZATION.				THIRD ANGLE PROJECTION
CLIENT NUM		SHT:		
PROJ NUM	-	1 OF	1	
MARK NUM	DRG NUM	REV		
-	E2502-000-DWG-501	C		