



- LEGEND:**
- LSH LEVEL SWITCH (HIGH)
 - LIT LEVEL INDICATOR AND TRANSMITTER
 - FSL FLOW SWITCH (LOW)
 - FIT FLOW INDICATOR AND TRANSMITTER
 - PI PRESSURE INDICATOR
 - ⊗ BALL VALVE
 - ↯ CHECK VALVE
 - ⊘ GENERAL VALVE
 - ⊏ STRAINER
 - ⊏ PRV PRESSURE RELIEF VALVE
 - ⊏ PSV PRESSURE SUSTAINING VALVE
 - ⊘ ROTAMETER
 - ⊏ PULSATION DAMPENER
 - ⊏ F FLOW METER
 - ⊘ M METERING DOSING PUMP

- NOTES:**
1. TANK HIGH HIGH ALARM TO CUT POWER TO GPO THAT IS USED FOR DELIVERY TANKER ON-BOARD PUMP.
 2. LIT TO BE INCLUDED FOR INTERSTITIAL AREA OF SELF-BUNDED TANKS.
 3. SAFETY SHOWER TO BE INSTALLED IN ACCORDANCE WITH AS4775.
 4. THE VALVE SHALL BE ACTUATED WHEN REQUIRED BY THE CHEMICAL MATRIX.
 5. CONSIDER AN ULTRASONIC TYPE FOR CHEMICALS PRONE TO SOLIDIFICATION AND BLOCKAGES (E.G. ALUM, SODIUM HYDROXIDE).
 6. THE ROOF ACCESS IS APPLICABLE FOR TANKS LESS THAN 5,000 L CAPACITY AND IS OPTIONAL OTHERWISE.
 7. PERMANENT INSTALLATION OF WATER LINES WHERE PRACTICABLE.
 8. WHERE SECOND FLOWMETER IS TO BE INSTALLED, LOCATION SHOULD BE AS CLOSE TO DOSE POINT OR PSV DOWNSTREAM AS PRACTICABLE.
 9. SAFE ACCESS TO DOSE POINTS AND SAFE REMOVALS OF DOSE SPEARS NEEDS TO BE CONSIDERED AND IMPLEMENTED.
 10. STATIC OR MECHANICAL MIXING SHOULD BE IMPLEMENTED WHERE POSSIBLE POST CHEMICAL ADDITION.
 11. WHERE SECOND PSV IS TO BE INSTALLED, LOCATION TO BE AS CLOSE TO DOSE POINT AS POSSIBLE.

REVISION PANEL				DETAILS		APR'D	CURRENT REV	DATE	DRN
0.1	23/08/23	PB	FIRST RELEASE	JS	REFER DESIGN PANEL	J. STEWART	23/08/23		
CURRENT REV CONTRACTOR:				CURRENT REV PROJECT:					

DESIGN PANEL		AUTHORISED	
DESIGNED	23/08/23	O.ZINCHENKO	J. STEWART
DRAWN	23/08/23	P.BELANIC	
REVIEWED	23/08/23	J. STEWART	
CONTRACTOR:			

**GENERIC
CHEMICAL DOSING
PROCESS AND INSTRUMENTATION DIAGRAM**

A1	TOTAL SHEETS:	0.1
SHT SIZE	PROJECT No:	
SUPERSEDES:		
DRAWING NUMBER		
TYP-08-00001_01		