

SCHEDULE OF CONNECTIONS			
TAG	DESCRIPTION	SIZE	TYPE
N1	TRUCK-IN OIL - INLET	168-150#	RF
N2	TRUCK-IN OIL - OUTLET	89-150#	RF
N3	SUMP DRAIN	60-150#	RF
N4	UHM SUPPLY	60-300#	RF
N5	UHM RETURN	60-300#	RF
N6	SCALE INHIBITOR - INLET	27-150#	RF
N7	SCALE INHIBITOR - OUTLET	27-600#	RF
N8	SCALE INHIBITOR - OUTLET	27-600#	RF
N9	BIOCIDE - INLET	27-150#	RF
N10	BIOCIDE - OUTLET	27-600#	RF
N11	METHANOL - INLET	27-150#	RF
N12	METHANOL - OUTLET	27-900#	RF
N13	INSTRUMENT AIR	60-150#	RF
N14	UTILITY AIR	60-150#	RF

001-P-27-1620
SCALE INHIBITOR PUMP
MAKE: TEXTTEAM PUMP
MODEL: 25G52AMW69
CAPACITY: 0.00055-0.0055 m3/hr (EACH HEAD)
MATERIAL: 316SS
DISCHARGE PRESSURE: 450 kPag (FWKO)/ 300 kPag (HEATER-TREATER)

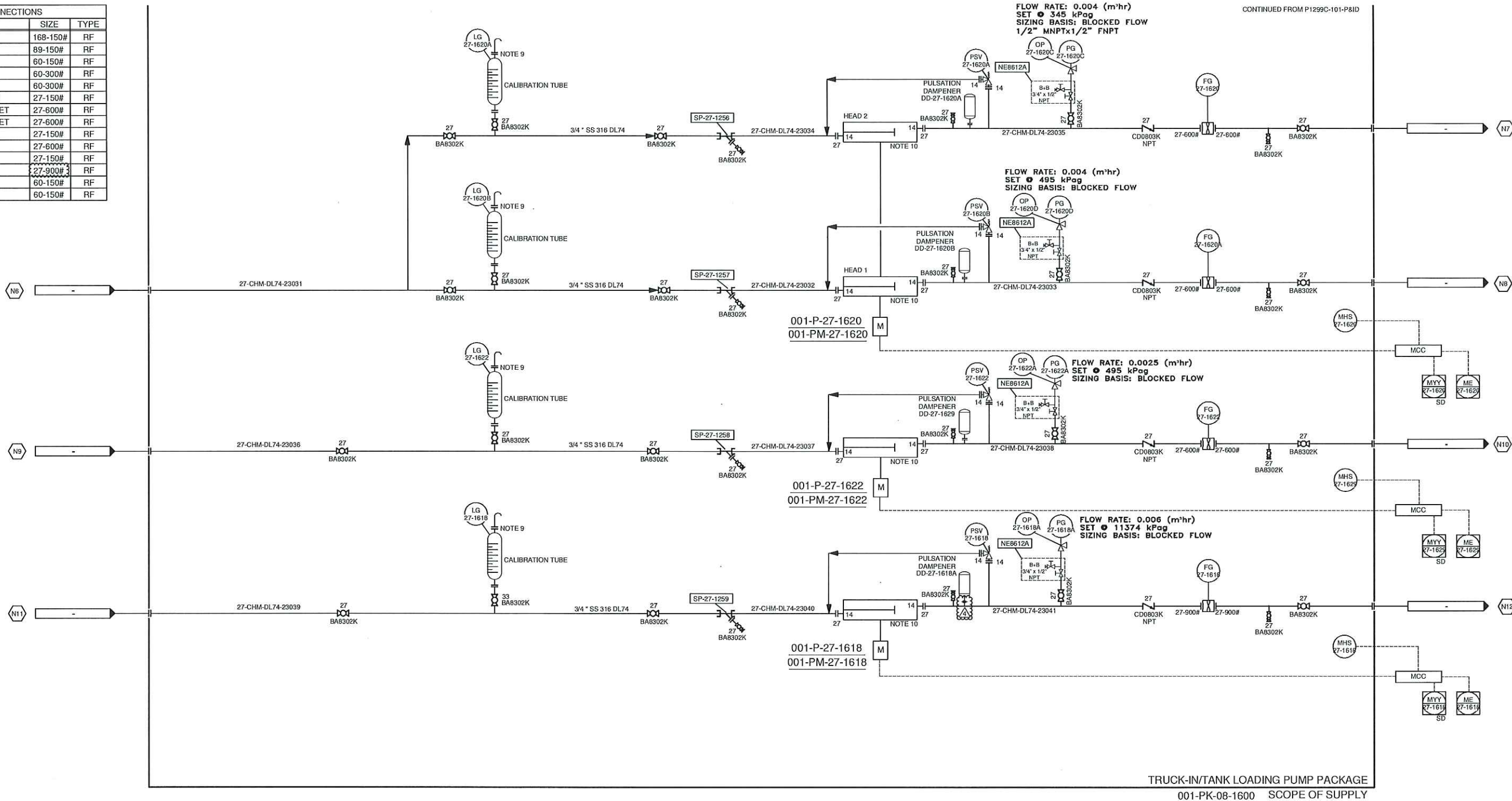
001-PM-27-1620
SCALE INHIBITOR PUMP MOTOR
MAKE: BALDOR RELIANCE
MODEL: VM70065
VOLTAGE: 575V, 60Hz, 3PH
SPECS: 0.5HP, 1725RPM, 56C, CLASS I
ZONE 2, XPFC

001-P-27-1622
BIOCIDE BACTERICIDE PUMP
MAKE: TEXTTEAM PUMP SERIES 2500
MODEL: 25G51AMW69
CAPACITY: 0.00055-0.0055 m3/hr (EACH HEAD)
MATERIAL: 316SS
DISCHARGE PRESSURE: 450 kPag

001-PM-27-1622
BIOCIDE BACTERICIDE MOTOR
MAKE: BALDOR RELIANCE
MODEL: VM70065
VOLTAGE: 575V, 60Hz, 3PH
SPECS: 0.5HP, 1725RPM, 56C, CLASS I
ZONE 2, XPFC

001-P-27-1618
METHANOL PUMP
MAKE: TEXTTEAM SERIES 2500
MODEL: 25F31AMW69
CAPACITY: 0.006 m3/hr
MATERIAL: 316SS
DISCHARGE PRESSURE: 450 kPag (OPERATING)/ 10,340 kPag (DESIGN)

001-PM-27-1618
METHANOL PUMP MOTOR
MAKE: BALDOR RELIANCE
MODEL: VM70065
VOLTAGE: 575V, 60Hz, 3PH
SPECS: 0.5HP, 1725RPM, 56C, CLASS I
ZONE 2, XPFC



- GENERAL NOTES
- ALL INSTRUMENT TAG NUMBERS ON THIS SHEET SHALL FOLLOW ITS ASSOCIATED EQUIPMENT TAG NUMBERS UNLESS OTHERWISE INDICATED (EX. PG-00-1010 ON EQUIPMENT 001-Y-00-1010, FULL INSTRUMENT TAG NUMBER SHALL BE 001-PG-00-1010).
 - WITH AUTOMATIC HIGH & LOW FLOW ADJUSTMENT AND FLOW CUT-OFF AT PRESET VOLUMETRIC FLOW.
 - PUMP CASING DRAIN AND VENT TO BE ROUTED TO A DRAIN SUMP LOCATED IN PUMP BUILDING 001-BU-08-1600.
 - SMART GROUND.
 - INCLUDE RUN TIMER.
 - FALL-1635 TO STOP PUMP 001-P-08-1635 ON TIME DELAY.
 - SLOP OIL TANK #1 & #2 LAHH-0113A/0118A TO TRIP PUMP 001-P-08-1635.
 - FUTURE PUMP BY PASS CONNECTION
 - CALIBRATION GOOSE NECK TO BE ABOVE CORRESPONDING STORAGE TANK. ALL CALIBRATION TUBE GOOSE NECKS TO BE CONNECTED AND VENTED OUTSIDE BUILDING.
 - SUCTION AND DISCHARGE OF INJECTION PUMPS WILL BE TRANSITIONAL TO 1/4" TUBING.
 - PIT-27-1600 TO BE TUBED TO MFD-27-1600 BY WESTPOWER. CLIENT TO TUBE MFD-27-1600 TO COB EYEWASH ON SITE.

REV	DESCRIPTION	DATE	BY	CHECK	APR
5	ADDED INSTRUMENT ALARMS	APR 22/14	SL	SKS	
4	N12 TO 900#	FEB 05/14	YT	SKS	
3	AS BUILT	JAN 18/14	SL	SKS	
2	ADDED INSTRUMENT AIR SPOOL	OCT 29/13	SL	SKS	
1	REVISED VALVE TAGS	OCT 24/13	SL	SKS	
0	ISSUED FOR CONSTRUCTION	OCT 21/13	SL	DC	

STAMPS:



westpower equipment ltd.
ABSA AUTH No.: AQP21428
APEGGA PERMIT TO PRACTICE No.: P07612

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DRAWN: JP		PIPING AND INSTRUMENTATION DIAGRAM			
CHECKED: MT		CLIENT: DEVON			
DATE: 2013/07/26		CONSULTANT: WORLEY PARSONS			
UNIT: P1299C		CLIENT PO No.: P0-4100001410		LOCATION: LSD: 11-2-39-8 W5M	
REF: N/A		TITLE: DEVON FERRIER TRUCK-IN / TANK LOADING PUMP 001-PK-08-1600			
TAG No.:					
SCALE: NTS		DWG No.: P1299C-102-P&ID		SHT No.: 2/2	REV No.: 5