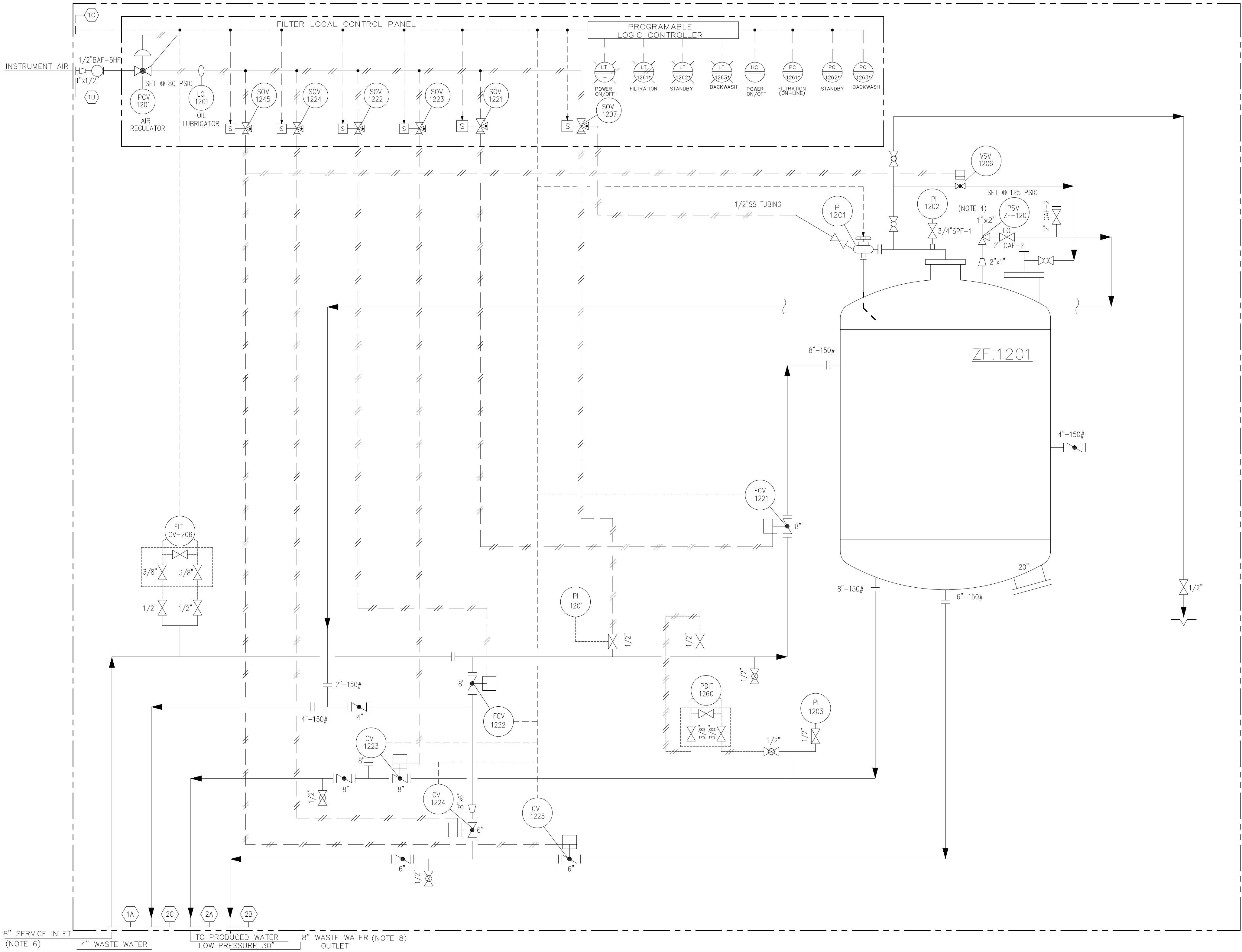


8037.ZF.1201B, C, E, F, M, & P
TYPICAL SHELL FILTER PACKAGE

DIMENSIONS : 14'-0" DIA. X 21'-1" H
DESIGN WORKING
LINED WITH : PECAN A-5 (20%)
FILTER MEDIA : WALNUT AX-102 (80%) WALNUT AX-102 (80%)



INTERCONNECTING PIPING SCHEDULE					
MARK	SIZE (IN)	RATING	TYPE	SERVICE	
1A	8	150#	RF	SERVICE INLET	
1B	1	150#	—	INSTRUMENT AIR	
2A	10	150#	RF	SERVICE OUTLET	
2B	8	150#	RF	WASTE WATER OUTLET	
2C	4	150#	RF	DRAIN & RELIEF	

EVENT SEQUENCE SCHEDULE

EVENT	FILTER FUNCTION MODE	TIME	VALVE POSITION						EQUIPMENT OPERATE
			FCV 1221	CV 1222	CV 1223	CV 1224	CV 1225	VSV 1206	
0	IN SERVICE	—	○	×	×	×	○	×	—
1	FLUIDIZATION	20 SECONDS	×	○	×	×	×	○	FLUIDIZATION PUMP
2	DISCHARGE	15 MINUTES	○	×	○	×	×	○	FLUIDIZATION PUMP
3	SETTLING	20 SECONDS	○	×	×	×	×	○	FLUIDIZATION PUMP
4	NORMALIZATION	40 SECONDS	○	×	×	×	×	○	—
5	RETURN TO SERVICE	5 MINUTES	○	×	×	×	×	○	—

LEGEND :

⊗ INDICATES VALVE CLOSED

○ INDICATES VALVE OPEN

FC FAIL CLOSED (AIR TO OPEN)

NOTES :

- A. THERE IS A 20 SEC. DELAY BETWEEN EACH EVENT DUE TO THE STROKE TIME OF ACTUATOR
B. LENGTH OF TIME OF EACH SEQUENCE IS SUBJECTED TO CHANGE BY FIELD REQUIREMENT

NOTES :

1. ALL EQUIPMENT, INSTRUMENT AND LINE NUMBERS ON THIS DRAWING HAVE THE PREFIX 8037 UNLESS OTHERWISE NOTED
2. THE LETTERS "I" & "O" ARE NOT USED IN THE EQUIPMENT NUMBERING SYSTEM
3. FOR STANDARD P & I.D. LEGEND SEE THE FOLLOWING DRAWINGS :
- FOR PIPING & EQUIPMENT : DWG. NO. CP-050GN-EF-002
- FOR INSTRUMENTATION : DWG. NO. CP-050GN-EF-003
4. BLOCK VALVE AFTER PSV LOCK OPEN (LO)

														<p>THIS DOCUMENT IS UNCONTROLLED WHEN PRINTED, VERIFY THE LATEST VERSION AT THE PSI SHAREPOINT OR DOCUMENTUM PINTAR. ANY OR ALL MODIFICATIONS TO THIS DOCUMENT SHALL FOLLOW APPROVED MOC OR DOCUMENT MANAGEMENT PROCESSES. COPYRIGHT PERTAMINA HULU ROKAN.</p>	<table><tr><td>DRAWN</td><td>ADR</td><td>24-10-94</td></tr><tr><td>CHECKED</td><td>AMN</td><td>07-11-94</td></tr><tr><td>DESIGN ENGR.</td><td>RHD</td><td>07-11-94</td></tr><tr><td>DESIGN TEAM LEADER</td><td></td><td></td></tr><tr><td>PROJECT ENGR.</td><td>DWH</td><td>07-11-94</td></tr><tr><td>OPR'C DEPT.</td><td></td><td></td></tr></table>		DRAWN	ADR	24-10-94	CHECKED	AMN	07-11-94	DESIGN ENGR.	RHD	07-11-94	DESIGN TEAM LEADER			PROJECT ENGR.	DWH	07-11-94	OPR'C DEPT.			<p>DRAWING TITLE</p> <p>PIPING & INSTRUMENT DIAGRAM</p> <p>TYPICAL VERTICAL OIL REMOVAL FILTER</p> <p>8037.ZF.1201B, C, E, F, M & P</p> <p>WATER TREATMENT PLANT</p> <p>DURI AREA-3</p>			<table><tr><td>ITC NO.</td><td>21/OE-PMF/RP/2011</td></tr><tr><td>SCALE</td><td>: N.T.S</td></tr><tr><td>SIZE</td><td>:</td></tr><tr><td>DRAWING NO.</td><td>CP-603GS-EF-008-10</td></tr></table>		ITC NO.	21/OE-PMF/RP/2011	SCALE	: N.T.S	SIZE	:	DRAWING NO.	CP-603GS-EF-008-10	<table><tr><td>CAD</td><td>DRAWN WITH CAD</td></tr><tr><td></td><td>NEVER CHANGE THIS</td></tr><tr><td></td><td>DRAWING BY HAND</td></tr></table>		CAD	DRAWN WITH CAD		NEVER CHANGE THIS		DRAWING BY HAND																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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