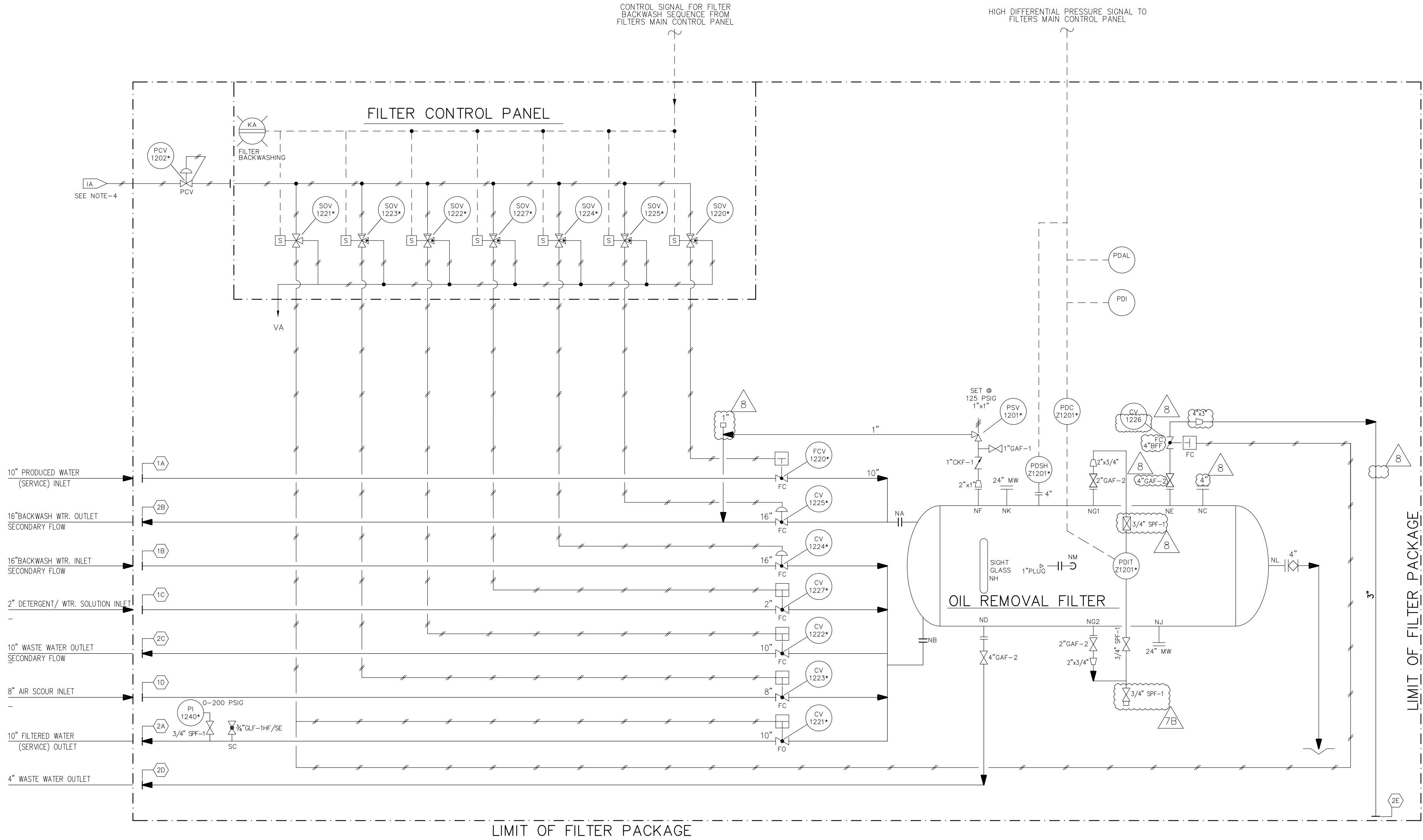


8037.ZF.1201N
TYPICAL OIL REMOVAL FILTER PACKAGE

OIL REMOVAL FILTER VESSEL

DIMENSIONS : 8'-0" DIA. x 34'-6" T/1
DESIGN : 125PSIG @200°F
WORKING : 75 PSIG @ 100°F TO 200°F
LINED WITH : ENGARD 482
FILTER MEDIA : 1'-4" GARNET (BOTTOM)
1'-8" ANTHRACITE (TO)



EVENT	FILTER FUNCTION MODE	TIME			VALVE POSITION								EQUIP. OPERATED	NOTES
		EVENT MIN.	START	COM- PLETE										
					SERVICE WATER INLET 1200 1201	SERVICE WATER OUTLET 1202 1203	WASTE WATER OUTLET (LOWER) 1204 1205	AIR SCOUR INLET 1206 1207	BACKWASH WATER INLET 1208 1209	BACKWASH WATER OUTLET 1210 1211	DETERGENT SOLUTION INLET 1212 1213	WASTE WATER OUTLET 1214 1215		
0	IN SERVICE				X	X	X	X	X	X	X		NOTE-A, B, C	
1	DRAIN DOWN	5	0	5										
2	DETERGENT FEED	15	5	20		X	X	X	X	X	X	DETERGENT PUMP		
3	AIR SCOUR	5	20	25				X	X	X	X	AIR SCOUR BLOWER		
4	SETTLE BED	1	25	26				X	X	X	X			
5	BACKWASH	15	26	41		X	X	X	X	X	X	BACKWASH PUMP		
6	RINSE/RESET	15	41	56		X	X	X	X	X	X			
7	RETURN TO SERVICE										X			

EVENT SEQUENCE SCHEDULE
(INITIATED FROM FILTERS MAIN CONTROL PANEL)

LEGEND:

- ☒ : INDICATES VALVE CLOSED
☐ : INDICATES VALVE OPEN

NOTES FOR EVENT SEQUENCE

- A : SEQUENCE SET BY MASTER SELECTOR
B : TIME BETWEEN FILTER BACKWASH SET BY MASTER
TIME 90 MIN. - 360 MIN., ADJUSTABLE WITH MANUAL OVER RIDE
C : FILTERED SELECTED BY STEPPER WITH MANUAL OVER RIDE

NOTES :

- ALL EQUIPMENT, INSTRUMENT & LINE NUMBERS ON THIS DRAWING HAVE THE PREFIX "8037" UNLESS OTHERWISE NOTED
- THE LETTERS "I" & "O" ARE NOT USED IN THE EQUIP'T. NUMBERING SYSTEM
- 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
- INSTRUMENT AIR SUPPLY TO FILTERS CONTROL PANEL BY CPI
- CONTROL SIGNAL FOR FILTER BACKWASH SEQUENCE IS INITIATED FROM THE EXISTING FILTERS MAIN CONTROL PANEL
THE EVENT SEQUENCE SCHEDULE IS TYPICAL FOR EXISTING FILTERS 8037.ZF.1201H, J, N, Q, R, S, T & FOR NEW FILTER.

- PACKAGES TO BE INSTALLED IN AREA-3, WATER TREATING FACILITIES. THE ELECTRICAL INTERLOCK SYSTEM (EXISTING) IS DESIGNED TO PROVIDE FOR A MAXIMUM OF 2 FILTERS TO BE IN BACKWASHING SEQUENCE AT ANY ONE TIME.
- INSTRUMENT TAG NUMBERS ARE TYPICAL, WHERE SHOWN BY THE SYMBOL THUS** A SEQUENTIAL LETTER IS TO BE ADDED TO THE TAG NUMBER CORRESPONDING TO THE PACKAGE (LAST DIGIT) SEQUENTIAL NUMBER
 - ALL EQUIPMENT SHOWN WITHIN PACKAGE LIMITS IS TO BE SUPPLIED BY THE VENDOR
 - FOR NEW FILTER PACKAGE NUMBERS REFER TO THE EQUIPMENT SPECIFICATION NO. SP-003-3
 - ALL INSTRUMENT TAG NUMBERS, EQUIPMENT NUMBERS & TIE-IN POINT NUMBERS DESIGNATED FOR VENDOR SUPPLIED ITEMS ARE TO BE USED BY THE VENDOR TO REFERENCE THESE ITEMS IN ALL DRAWINGS & PUBLICATIONS PRODUCED FOR THE FILTER PACKAGES

REV.	DATE	DESCRIPTION	BY	CHKD	DESIGN ENGR	T. LDR	PROJ ENGR	OPR'D DEPT.	REFERENCE DRAWINGS
8	26/12/18	AS BUILT (PSI V&V AS PER MOC#481540)	RO	AM			TZSX		PAID LEGEND INSTRUMENT
7	16-12-15	AS BUILT PSM-PSI REMEDIATION PROJECT UNDER JOB NO.2445	HP	JX	BAY	MWS	BAY		PAID LEGEND PIPING & EQUIPMENT
6	23-07-15	OP-DATE FOR SMO FLARE & RELIEF PROJECT (JOB NO.2432)	RDY	EVK	MRD	MWS	MRD		
5	03-11-11	AS BUILT DONE BY TF JAKARTA	ARN	DKM	IKS	JA	AKH		
4A	30-09-11	AS BUILT DONE BY TF JAKARTA. (ISSUED FOR APPROVAL)	YD	DKM	IKS	JA	AKH		
3	28-05-07	AS BUILT JOB NO. 4154	DAL	JT	25-7-07		FDD	25-7-07	
B	26-11-98	REVISED AS BUILT	SUR						



DRAWN	EDDY.S. 03-10-1987
CHECKED	
DESIGN ENGR.	TD 15/10. 1987
DESIGN TEAM LEADER	
PROJECT ENGR.	DWR 15/10. 1987
OPR'G DEPT.	

DRAWING TITLE
PIPING & INSTRUMENT DIAGRAM
WATER TREATING FACILITIES
TYPICAL OIL REMOVAL FILTER PACKAGE
WATER PLANT EXTENSION 8037.ZF.1201N
CENTRAL GATHERING STATION
DURI AREA-3

ITC NO. 21/OE-PMF/PP/2011 21/OE-PMF/2011	CAD DRAWN WITH CAD NEVER CHANGE THIS DRAWING BY HAND
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DRAWING NO.
CP-603GS-EF-009-8