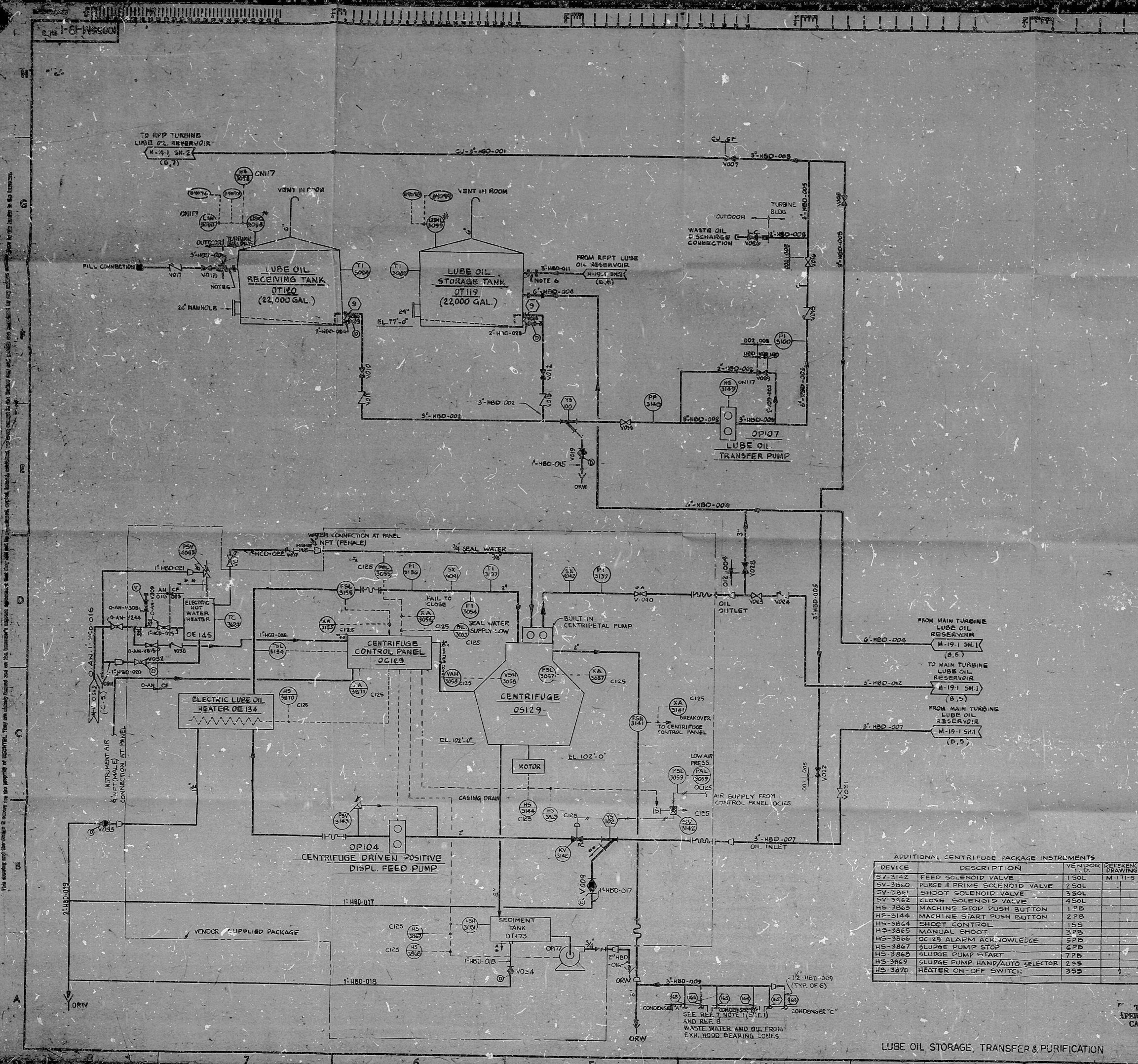




- NOTES:**
1. ALL INSTRUMENTATION WITHIN VENDOR PACKAGE OUTLINE TO BE SUPPLIED BY VENDOR.
 2. ALL LINES MARKED WITH SHALL BE 1/2" PER FOOT MINIMUM.
 3. THIS P&ID CONTAINS SYSTEMS OR PORTIONS OF SYSTEMS:
AN-DEMINERALIZED WATER MAKEUP, STORAGE & TRANSFER
CF-LUBE OIL STORAGE, TRANSFER, & PURIFICATION
CJ-REP TURBINE LUBE OIL
 4. THE ELECTRIC WATER HEATER OE145 WILL BE SHIPPED LOOSE.
 5. VALVES V008 AND V022 ARE IN SERIES TO PREVENT DEAD LEG FROM FILLING WITH LUBE OIL WHEN NOT IN USE.
 6. REMOVABLE SPOOL FOR FLUSHING.

ADDITIONAL CENTRIFUGE PACKAGE INSTRUMENTS

DEVICE	DESCRIPTION	VENDOR	REFERENCE
SV-3142	FEED SOLENOID VALVE	150L	M-171-S
SV-3860	PURGE & PRIME SOLENOID VALVE	250L	
SV-3861	SHOOT SOLENOID VALVE	350L	
SV-3862	CLOSE SOLENOID VALVE	450L	
HS-3863	MACHINE STOP PUSH BUTTON	1PB	
HS-3144	MACHINE START PUSH BUTTON	2PB	
HS-3864	SHOOT CONTROL	1SS	
HS-3865	MANUAL SHOOT	3PB	
HS-3866	OC125 ALARM ACKNOWLEDGE	2PB	
HS-3867	SLUDGE PUMP STOP	6PB	
HS-3868	SLUDGE PUMP START	7PB	
HS-3869	SLUDGE PUMP HAND/AUTO SELECTOR	2SS	
HS-3870	HEATER ON-OFF SWITCH	3SS	

REV	DATE	DESCRIPTION	BY	CHKD	APP'D
1	10/1/55	REVISED TO INCORP. FCN-M160			
2	10/1/55	REVISED TO INCORP. FCN-M160			
3	10/1/55	REVISED TO INCORP. FCN-M160			
4	10/1/55	REVISED TO INCORP. FCN-M160			
5	10/1/55	REVISED TO INCORP. FCN-M160			
6	10/1/55	REVISED TO INCORP. FCN-M160			
7	10/1/55	REVISED TO INCORP. FCN-M160			
8	10/1/55	REVISED TO INCORP. FCN-M160			
9	10/1/55	REVISED TO INCORP. FCN-M160			
10	10/1/55	REVISED TO INCORP. FCN-M160			

DECHTEL
SAN FRANCISCO

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
HOPE CREEK GENERATING STATION

P&ID
LUBE OIL

JOB NO. 19555 DRAWING NO. M-19-1 SH3 8

LUBE OIL STORAGE, TRANSFER & PURIFICATION

PDR RIDS

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