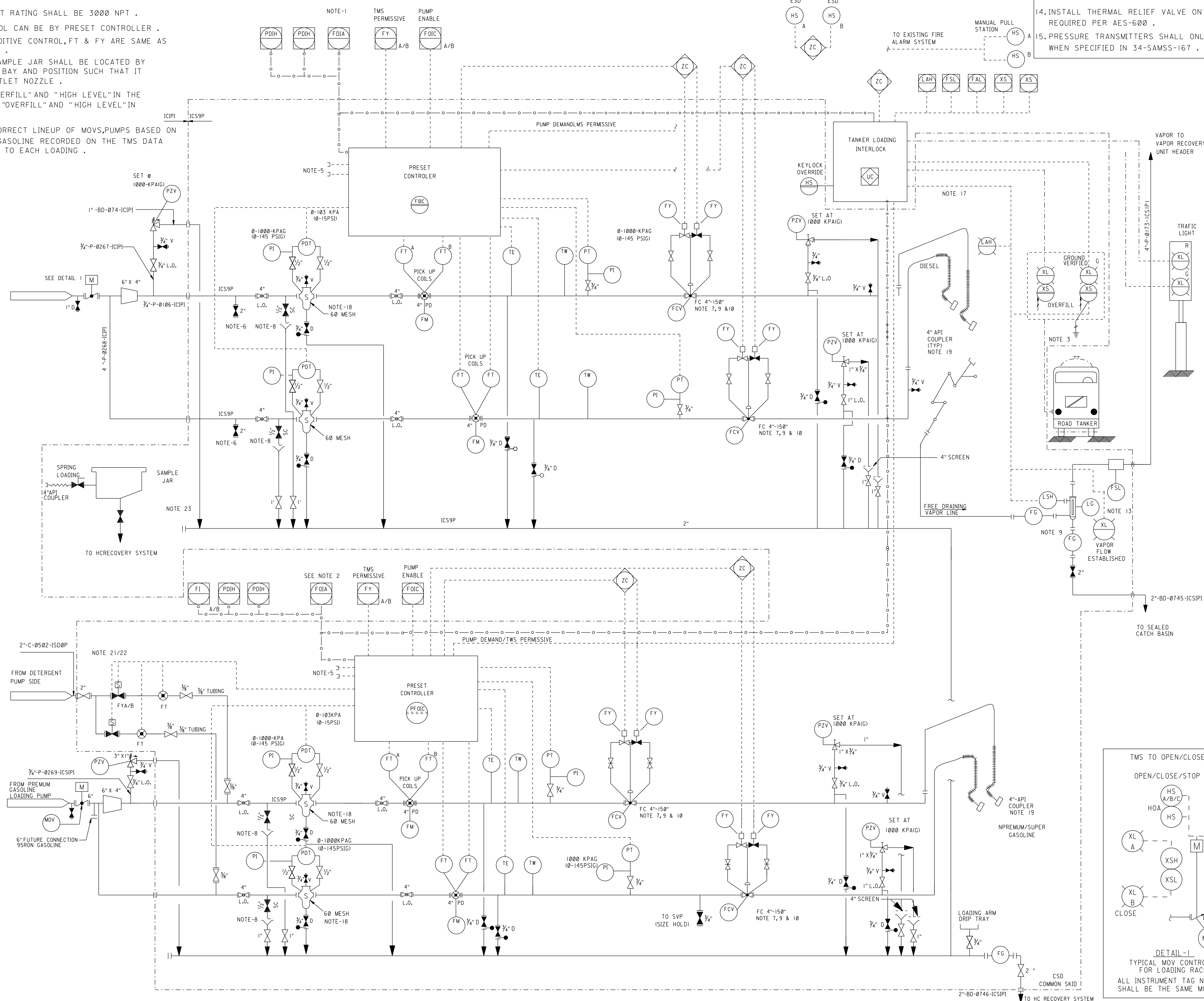


6. EXISTING ESD PUAL BUTTON AND ESD RESET SWITCH LOCATION AT THE OPERATION AND MAINTAINANCE BUILDING DISPATCH ROOM SHALL BE UTILIZED TO INSIATIE SHUTDOWN SEQUENCE AND RESET OF THE NEW LOADING ISLAND RESPECTIVLY .
7. TMS SHALL INCLUDE THE CRITICAL INTERLOCKS SIGNALS LIKE , VAPOUR LOW FLOWS, OVERFILLING,GROUND VERIFICATION AND TRAFIC LIGHT .
8. STRAINERS ARE 6" WITH 4" INLET AND OUTLET FLANGES .
9. API-RF 1004 STRAIGHT DRYBREAK COUPLER TO SUIT TRUCK CONNECTION .
10. PZV INLET AND OUTLET RATING SHALL BE 3000 NPT .
21. ADDITIVE RATIO CONTROL CAN BE BY PRESET CONTROLLER .
22. TAG NUMBERS FOR ADDITIVE CONTROL, FT & FY ARE SAME AS RESPECTIVE FION TMS .
23. 20 LITER CAPACITY SAMPLE JAR SHALL BE LOCATED BY SIDE OF THE LOADING BAY AND POSITION SUCH THAT IT BELOW THE TRUCK OUTLET NOZZLE .
24. MOV TO CLOSE ON "OVERFILL" AND "HIGH LEVEL" IN THE 24. MOV TO CLOSE ON "OVERFILL" AND "HIGH LEVEL" IN THE KNOCKOUT POT .
25. TMS SHALL ENSURE CORRECT LINEUP OF MOVs,PUMPS BASED ON THE GRADES OF THE GASOLINE RECORDED ON THE TMS DATA BASE CORRESPONDING TO EACH LOADING .



1. VAPOR FLOW SWITCH SHALL ANNUNCIATE ALARM AND INITIATE SHUTDOWN IF FOLLOWING CONDITIONS ALL EXIST:
 - A. BATCH TRANSATION STARTED AND
 - B. LOW FLOW CONDITIONS EXIST FOR AT LEAST 10 SECONDS
2. LOADING ARMS SHALL BE SUSPENDED TYPE AND THE VAPOR ARM IS HORIZONTAL COUNTER BALANCE TO HOLD THE ARM IN PARKING LEVEL AND MAKE IT EASY FOR DRIVERS /OPERATORS TO HANDLE .
3. PARKING ADAPTOR SHALL BE PROVIDED ON THE SKID FRAME WORK TO RESTLOADING ARMS AND VAPOR ARM . ON WHEN LOADING BAY IS NOT IN SERVICE .
4. INSTALL THERMAL RELIEF VALVE ON METER SKID AS REQUIRED PER AES-600 .
5. PRESSURE TRANSMITTERS SHALL ONLY BE REQUIRED WHEN SPECIFIED IN 34-SAMSS-167 .

1. FOIC INCLUDES ALL LOADING RACK FUNCTIONS AND TANKER LOADING INTERLOCK LOGIC .
2. ESD PULL BUTTONS IS PROVIDED AT BOTH ENDS OF ISLANDS .
3. GROUNDING & HIGH LEVEL SWITCH INCORPORATED IN SINGLE CONNECTION TO TRUCK .
4. ESD BUTTONS ARE OUTSIDE THE SCOPE OF THE METERING SYSTEM VENDOR AND ARE TO BE PROVIDED BY OTHERS .
5. EXPLOSION PROOF SOCKET FOR CONTROL UMBILICAL CONNECTION TO PORTABLE SMALL VOLUME METER PROVER .
6. 2" CONNECTION FOR FUTURE CHEMICAL CONNECTION .
7. PRSET CONTROLLER PROVIDES RAMP OPEN AND RAMP CLOSE CONTROL FOR FCV .
8. SAMPLE CONNECTION TO CONFORM TO
SAES-Y-103 7.3.5 .
9. FCV PROVIDED WITH INTERNAL RELIEF VALVE .
10. TMS SHALL ANNUNCIATE FCV FAILURE ALARM DURING FOLLOWING CONDITIONS:
 - A. ENERGIZED TO OPEN AND FLOW READING = 0
 - B. ENERGIZED TO CLOSE AND FLOW READING > Ø

[illegible]

REFERENCE DRAWINGS	
LETTER IDENTIFICATION OF LINES	AD-036284
PIPING SYMBOLS	AB-036227
EQUIPMENT SYMBOLS	AB-036305
INSTRUMENT SYMBOLS	AC-036950
PIPING LAYOUT INDEX	
PLOT PLAN	
PROCESS FLOW DIAGRAM	VA603948.001
HYDROSTATIC TEST DIAGRAM	
DRAWING CONTROL FOR J.O. (10-03548-0008)	VD-027637
INSTRUMENT INSTALLATION SCHEDULES	

REVISION VALIDATION				
THIS REVISION NO. 00 IS COVERED, FOR ALL APPROVAL AND CERTIFICATION REQUIREMENTS, PER MEP-134, UNDER DRAWING COMPLETION CERTIFICATE NO. [REDACTED]				
DESIGN CERTIFICATION		REVIEW BY KEY DRAWINGS		OTHER
DESIGN AGENCY/DATE	REVIEWED FOR	CAUD/ AGENCO		
ENCLG./DATE	CERTIFIED BY/DATE	CONST. AGENCY/DATE	OPERATIONS/DATE	BY/DATE
REVISION NO./DATE	REVISION DESCRIPTION			
00				
JOB ORDER [REDACTED]		THIS REVISION IS NOT TO BE USED FOR CONSTRUCTION UNTIL CERTIFIED AND DATED		

SAUDI ARABIAN OIL COMPANY	
PIPING & INSTRUMENT DIAGRAM	DRAWING TYPE STD
TWO PRODUCT TRUCK LOADING	

STD DWG.			SAUDI ARABIA	
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	A	AA-036146	001	00