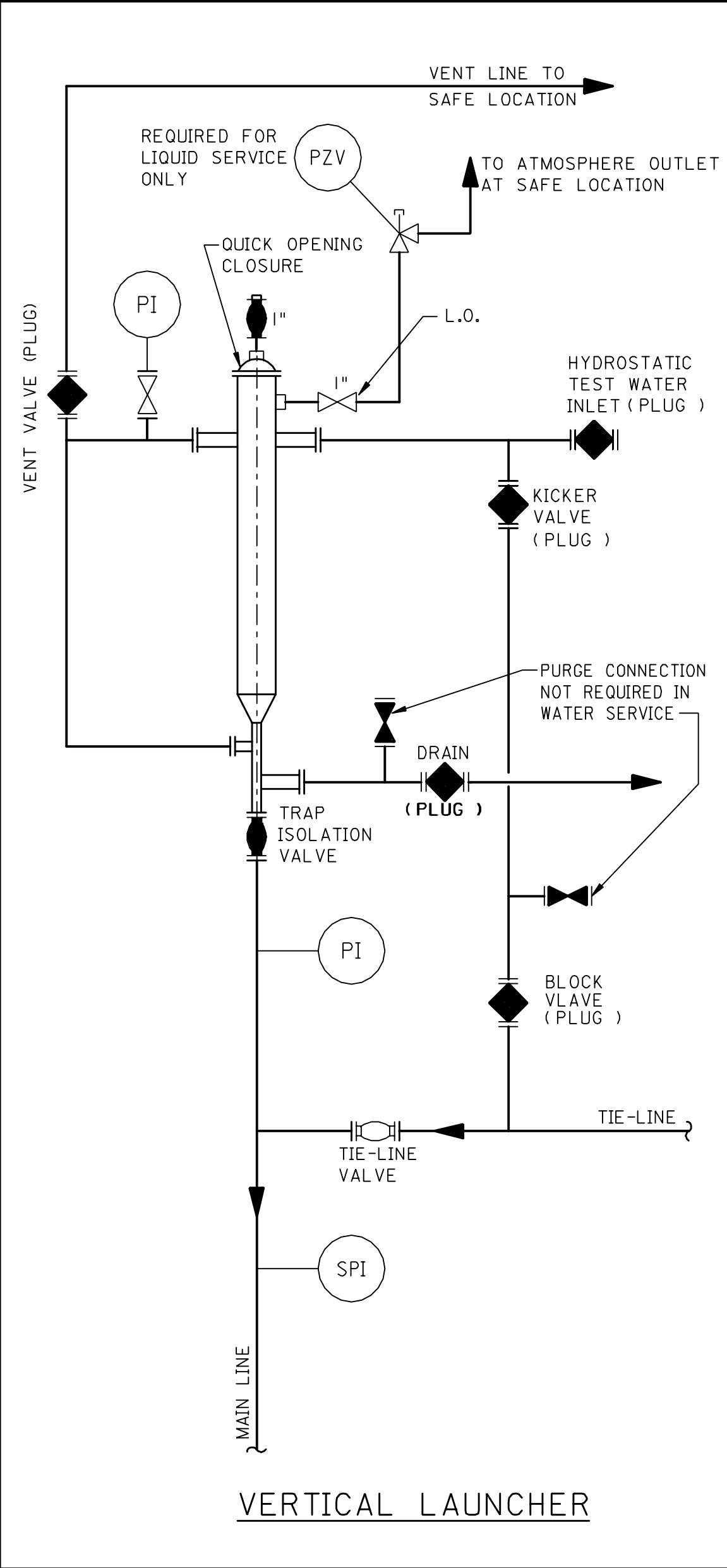
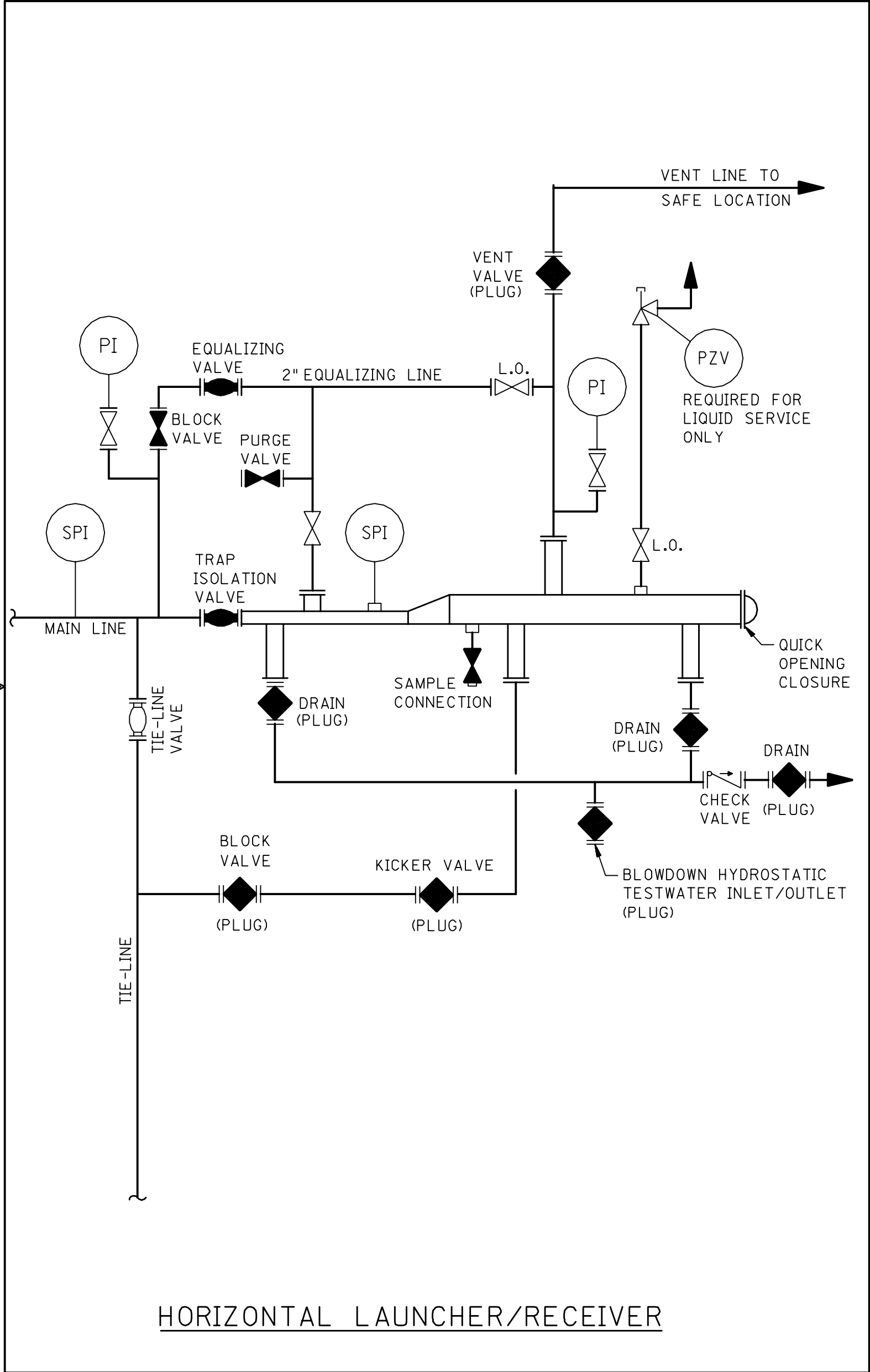




NOTES:

1. SCRAPER TRAP PIPING SHALL BE DESIGNED IN ACCORDANCE WITH SAES-L-420. THIS DRAWING ILLUSTRATES TYPICAL APPLICATIONS FOR HORIZONTAL AND VERTICAL TRAPS.
2. VALVE SELECTION SHALL BE IN ACCORDANCE WITH SAES-L-108.
3. PZV DISCHARGE TO SAFE LOCATION.

PIPING LEGEND

- GATE VALVE
- GLOBE VALVE
- BALL VALVE
- RELIEF VALVE
- PLUG VALVE

INSTRUMENT LEGEND

- PI PRESSURE INDICATOR
- SPI SCRAPER PASSAGE INDICATOR
- PZV PRESSURE RELIEF VALVE
- L.O. LOCKED OPEN

DRAWING RESPONSIBILITY:
PIPING STANDARDS COMMITTEE

SCALE: NONE

REVISION VALIDATION

THIS REVISION NO. IS COVERED, FOR ALL APPROVAL AND CERTIFICATION REQUIREMENTS, PER SAEP-334, UNDER DRAWING COMPLETION CERTIFICATE NO: 714120-0406-01

DESIGN CERTIFICATION (DESIGN AGENCY)		REVIEW FOR KEY DRAWINGS (SAUDI ARAMCO)		OTHER
ENGG./DATE	CERTIFIED BY/DATE	CONST. AGENCY/DATE	OPERATIONS/DATE	BY/DATE
REV.NO.	DATE	REVISION DESCRIPTION		
08	APR06	REMOVED EQUALIZING VALVES		
JOB ORDER/EWO NO.			THIS REVISION IS NOT TO BE USED FOR CONSTRUCTION UNTIL CERTIFIED AND DATED	

SAUDI ARABIAN OIL COMPANY
PIPING & INSTR DIAG.FOR
PIPELINE SCRAPER TRAP STATIONS

STD. DWG		SAUDI ARABIA		
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	L	AC-036541	001	08