

# **PREVENTION**

## **Fire Protection**

Risk of fire or explosion is greater at aboveground tank sites than at underground tank sites. Set-back and separation requirements are intended to reduce the risk of exposure from fire to other buildings, vehicles, storage tanks, and to provide room for fire fighters to work. Some communities may have additional or more restrictive requirements than those administered by the Kansas State Fire Marshal.

## **Fire Extinguisher**

Each service station shall provide at least one 40BC rated fire extinguisher. Unattended service stations shall install the extinguisher within 100 feet of the dispensers. NOTE: Convenience stores shall have at least one 2A-40BC rated fire extinguisher.

## **Signage**

Islands dispensing Class I liquids shall have warning signs with the following equivalent wording:

- (1) NO SMOKING
- (2) STOP ENGINE or MOTOR
- (3) IT IS UNLAWFUL AND DANGEROUS TO DISPENSE GASOLINE INTO UNAPPROVED CONTAINERS.

Island dispensing ONLY Class II liquids shall have "NO SMOKING" signs.

## **Attended Self-Service Stations Additional Requirements**

All attended self-service stations shall have at least one attendant on duty while station is open for business. Attended self-service stations shall provide an emergency shut off control at the attendant's console. The dispensing area shall at all times be in clear view of the attendant OR shall have a two-way intercom which monitors island activity.

## **Unattended Self-Service Station Additional Requirements**

All unattended self-service stations shall provide emergency controls to shut off all power to all dispensing devices and shall be located within 100 feet of all dispensers.

Operating instructions shall be posted and visible in the dispensing area and include the following information:

- (1) Location of emergency shut off (unless obvious); and
- (2) Location of fire extinguisher (unless obvious); and
- (3) Emergency instructions which incorporate the following or equivalent wording:

Company Name

IN CASE OF FIRE OR SPILL

Use emergency shut off

Report to:

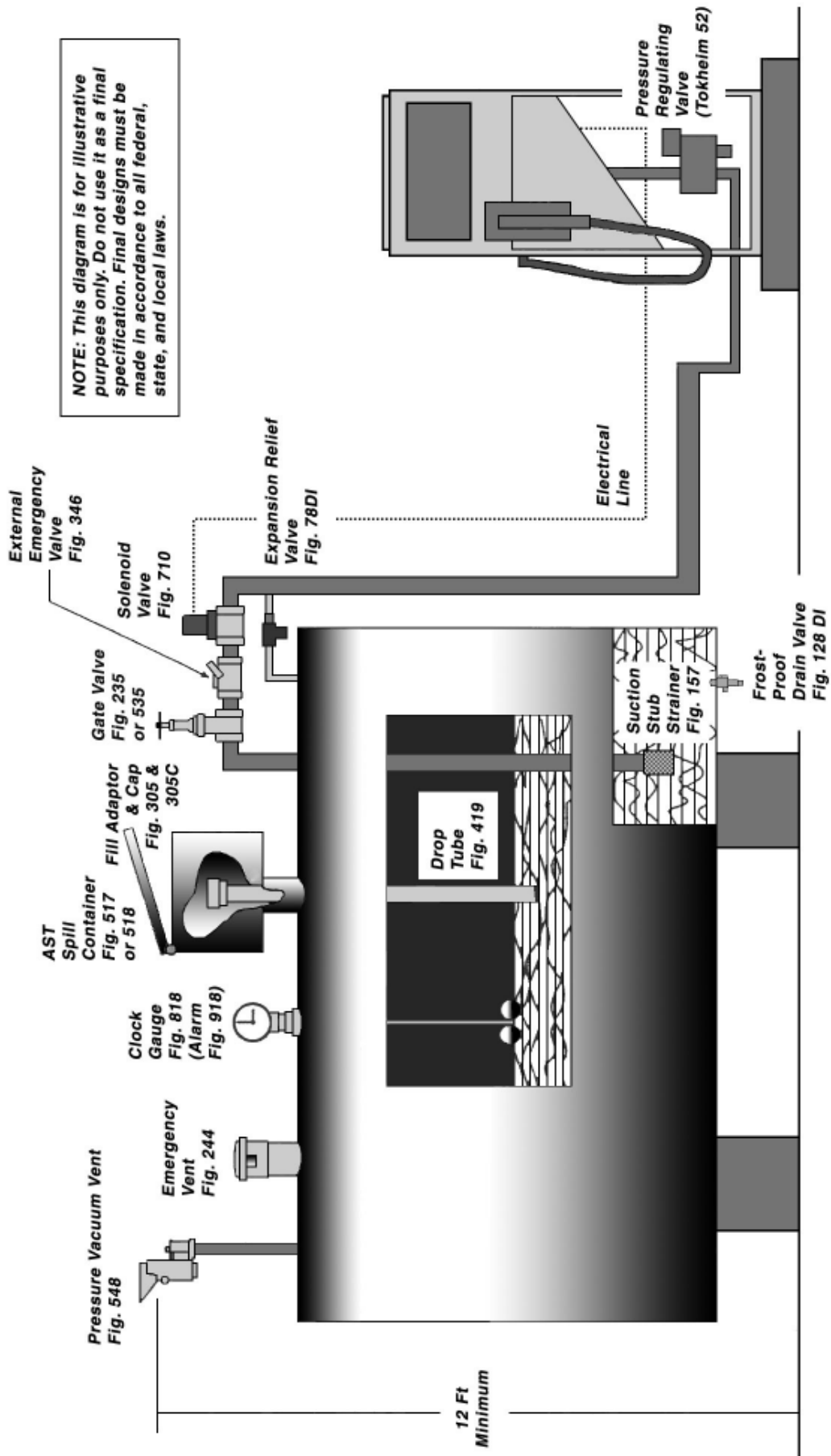
(Company emergency telephone number)

(Local fire department telephone number)

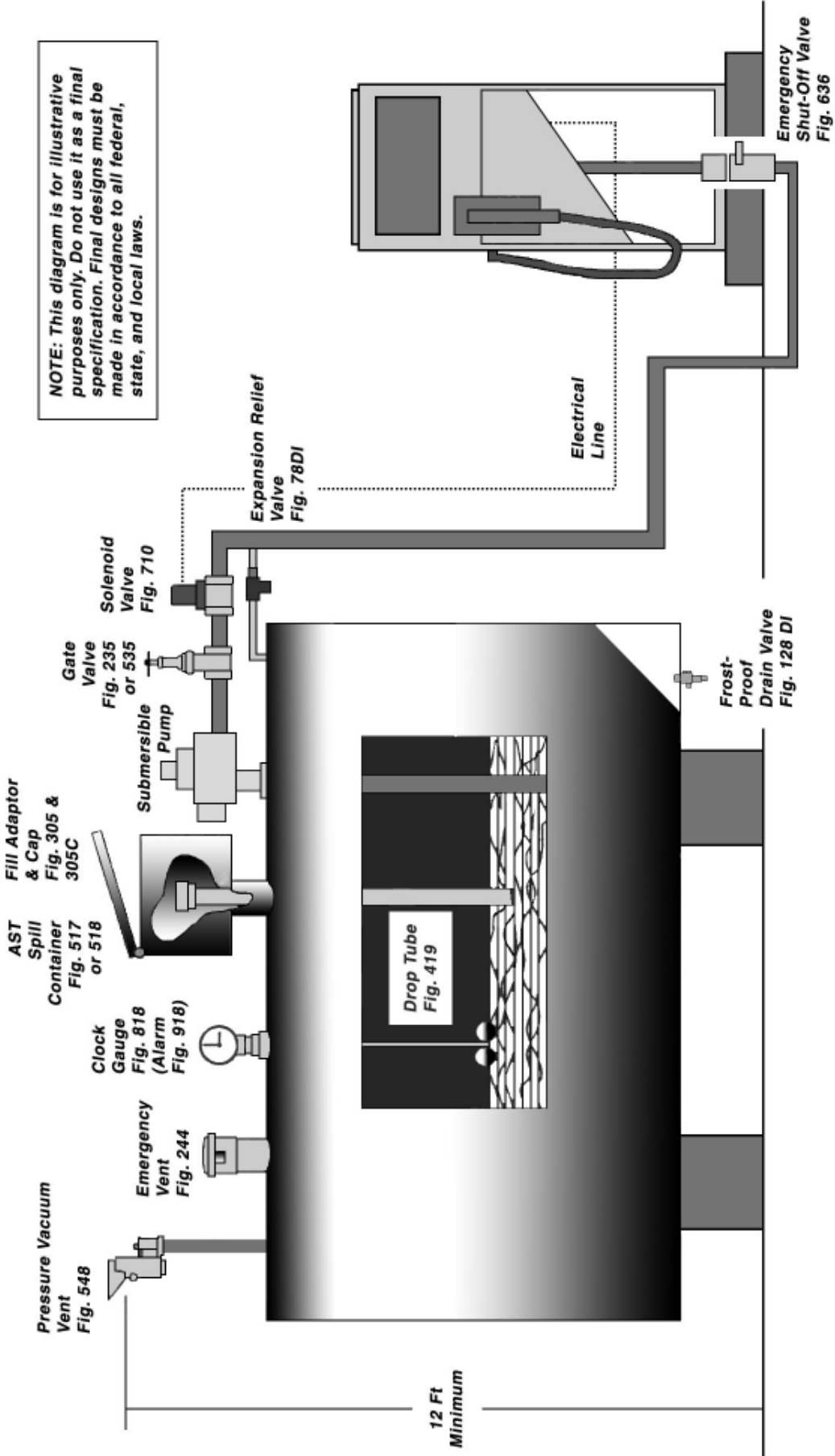
An on-site telephone OR clearly understood posted instructions of how to notify the fire department shall be provided on site.

All illustrations are reprinted with the expressed written consent of the Petroleum Equipment Institute, P.O. Box 2380 Tulsa, Oklahoma, 74101-2380 from RP200-92 Recommended Practices for Installation of Aboveground Storage Systems for Motor Vehicle Fueling.

# Aboveground Fuel Storage - Suction System



# Aboveground Fuel Storage - Pressure System



**NOTE:** This diagram is for illustrative purposes only. Do not use it as a final specification. Final designs must be made in accordance to all federal, state, and local laws.

12 Ft  
Minimum