# INSTALLATIONS AFFECTING 3A EQUIPMENT



DENNIS GLICK
EQUIPMENT REVIEW SPECIALIST
USDA DAIRY GRADING BRANCH

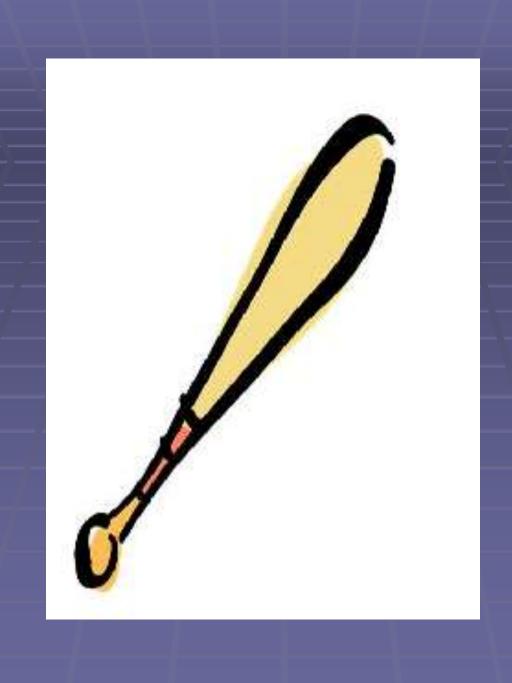






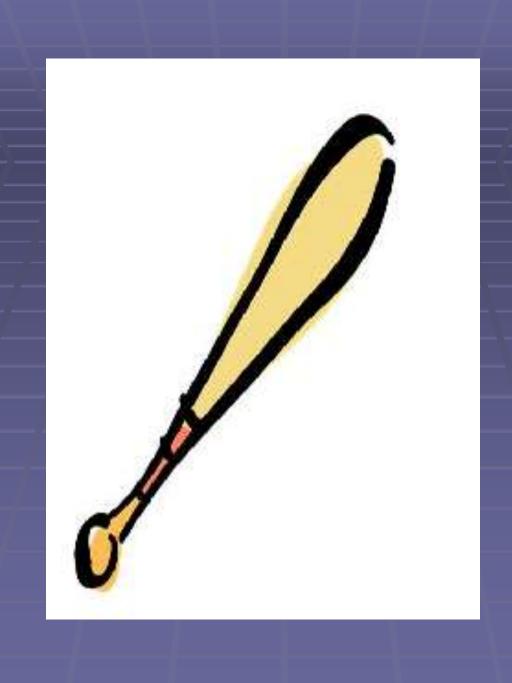










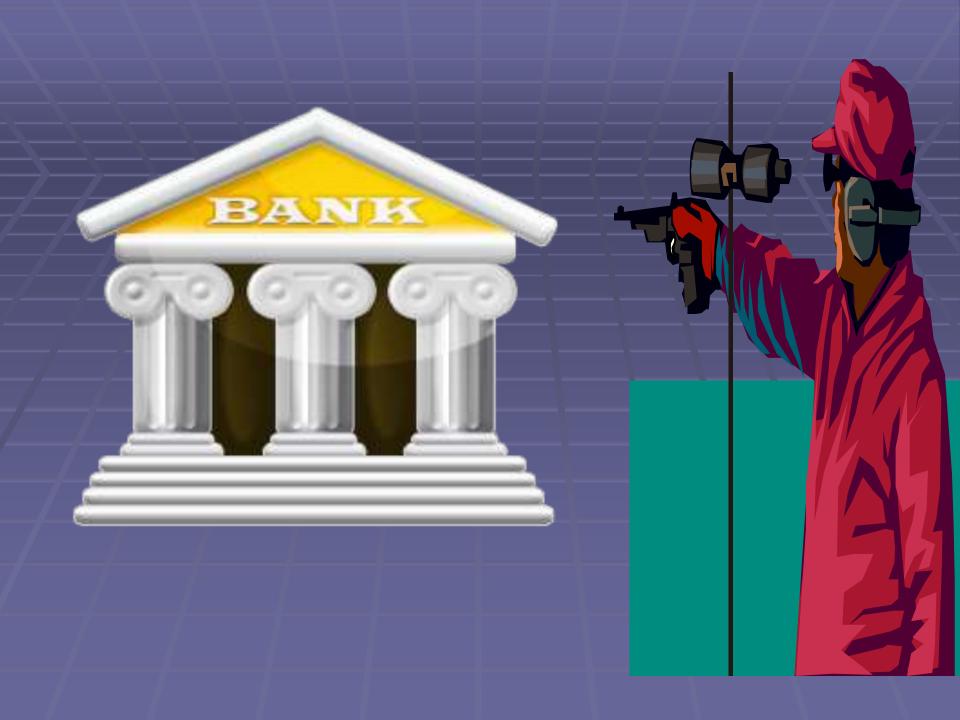


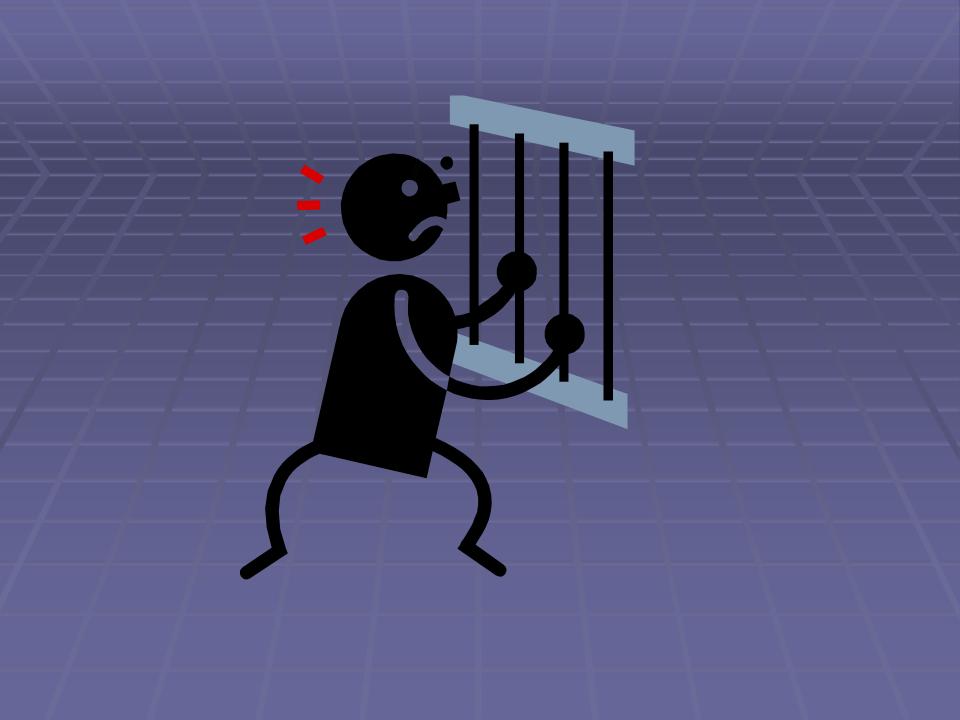
# THINGS THAT AFFECT 3A COMPLIANCE AT INSTALLATION.

LOCATION



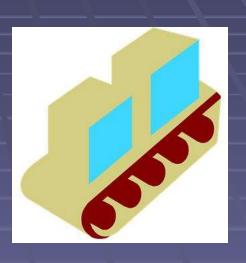






#### LOCATION ISSUES

- -DRIP
- DROP
- -DRAIN
- -DRAWN



# REASONS FOR NON COMPLIANCE.

- -IMPROPER INSTALLATION
- CUSTOMERMODIFICATIONS

# COMPRESSION VALVES



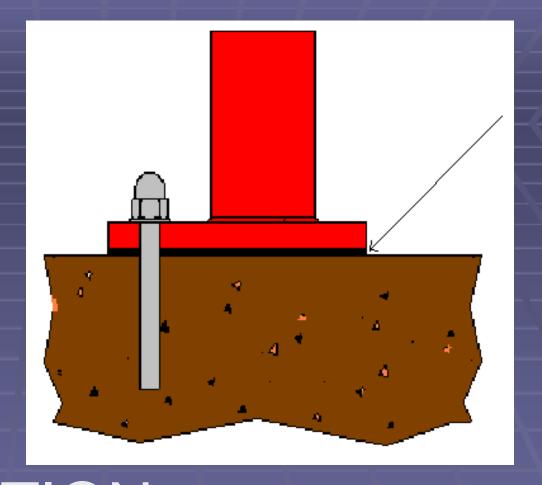
# MUST BE INSTALLED TO ALLOW FREE DRAINAGE TO COMPLY WITH 3-A.

## MACHINE LEVELING FEET





SHALL BE SEALED TO THE FLOOR AT

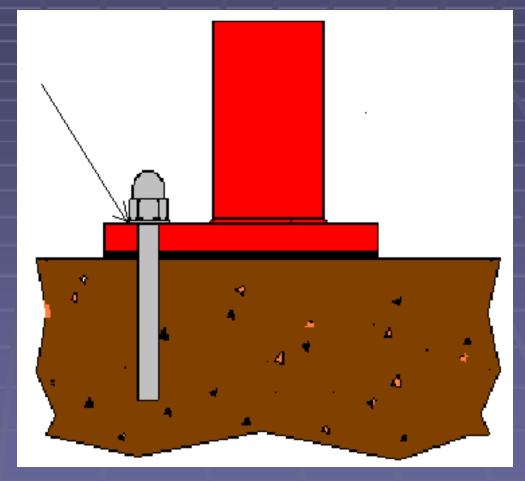


INSTALLATION.

THERE SHALL

BE NO EXPOSED THREADS.

THREADS
SHALL BE
SEALED.



### FILLERS





- REQUIRED IF CONDENSATION IS PRESENT.
- NOT REQUIRED IF PRODUCT
   TEMPERTURE IS ABOVE DEW POINT.

## TUBULAR HEAT EXCHANGERS

- SHALL BE DRAINABLE.
- REMOVE ALL LIQUID INCLUDING LIQUID TRAPPED IN CROSS SECTION PROFILE MODIFIED TUBING

## INLINE STRAINERS

 SHALL BE REMOVED FROM THE LINE FOR MANUAL CLEANING.

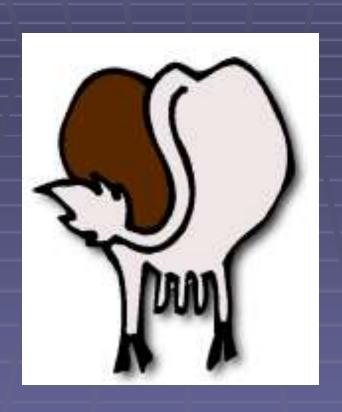
#### DIAPHRAGM VALVES

- SHALL BE SELF DRAINING IN THE INSTALLED POSITION.
- SHALL BE A TAG OR MARK TO SHOW ANGLE OF INSTALLATION.
- LEAK DETECT HOLE AT THE LOWEST POINT.

#### QUESTIONS



THE



END