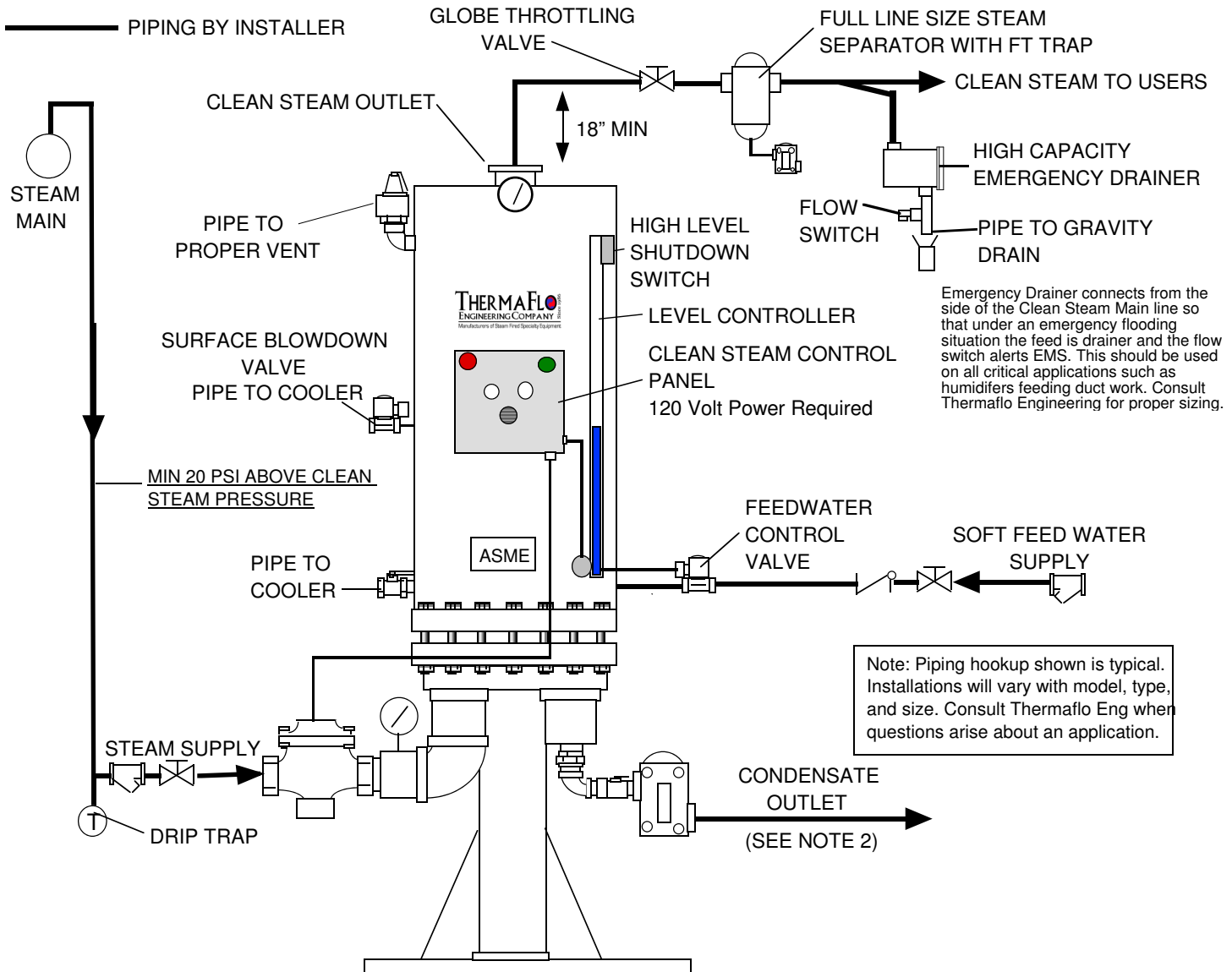


## THCS Vertical Clean Steam Generator Unit Piping Hookup



Emergency Drainer connects from the side of the Clean Steam Main line so that under an emergency flooding situation the feed is drainer and the flow switch alerts EMS. This should be used on all critical applications such as humidifiers feeding duct work. Consult Thermaflo Engineering for proper sizing.

Note: Piping hookup shown is typical. Installations will vary with model, type, and size. Consult Thermaflo Eng when questions arise about an application.

Notes:

1. SUGGESTED PIPING DESIGN. DESIGNER SHOULD CONSULT LOCAL CODES TO VERIFY COMPLIANCE.
2. ALWAYS PIPE OUTLET CONDENSATE TO GRAVITY ATMOSPHERIC RETURN LINES, TO AVOID WATERHAMMER AND INTERNAL STEAM SPACE FLOODING.
3. ALWAYS PIPE SUPPLY STEAM FROM THE TOP OF THE HEADER AS SHOWN, AND INSTALL A MAIN DRIP BEFORE CONTROL VALVE INLET.
4. SOFT WATER 1 GRAIN PER GALLON MAX TO AVOID SCALING.
5. INSTALL A LINE SIZE SEPARATOR OR FULL LINE SIZE MAIN DRIP WITH FT STEAM TRAP TO AVOID CARRYOVER. PITCH STEAM LINE AWAY FROM THE CLEAN STEAM OUTLET.
6. FEEDWATER SHOULD BE SUPPLIED 15 PSI MIN ABOVE CLEAN STEAM OUTLET PRESSURE AT ALL TIMES.
7. ALWAYS PIPE BLOWDOWN TO A COOLER BEFORE PIPING TO DRAIN.