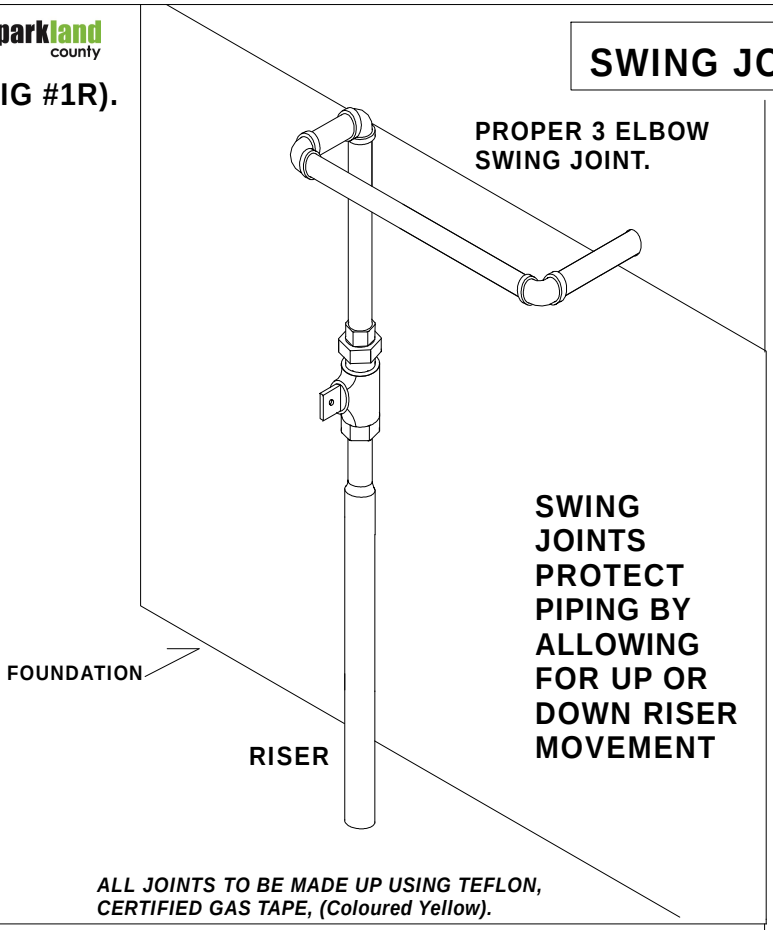
SWING JOINTS

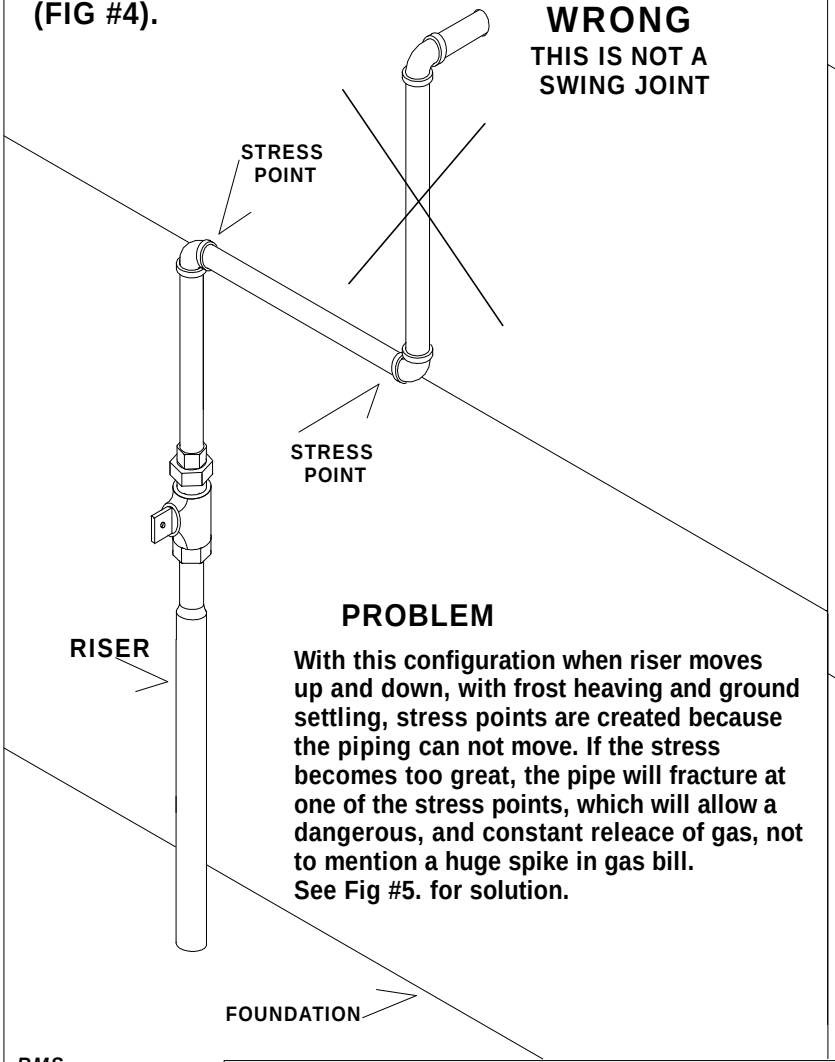
(FIG #1R).



SWING JOINTS PROTECT PIPING BY ALLOWING FOR UP OR DOWN RISER MOVEMENT

ALL JOINTS TO BE MADE UP USING TEFLON, CERTIFIED GAS TAPE, (Coloured Yellow).

(FIG #4).

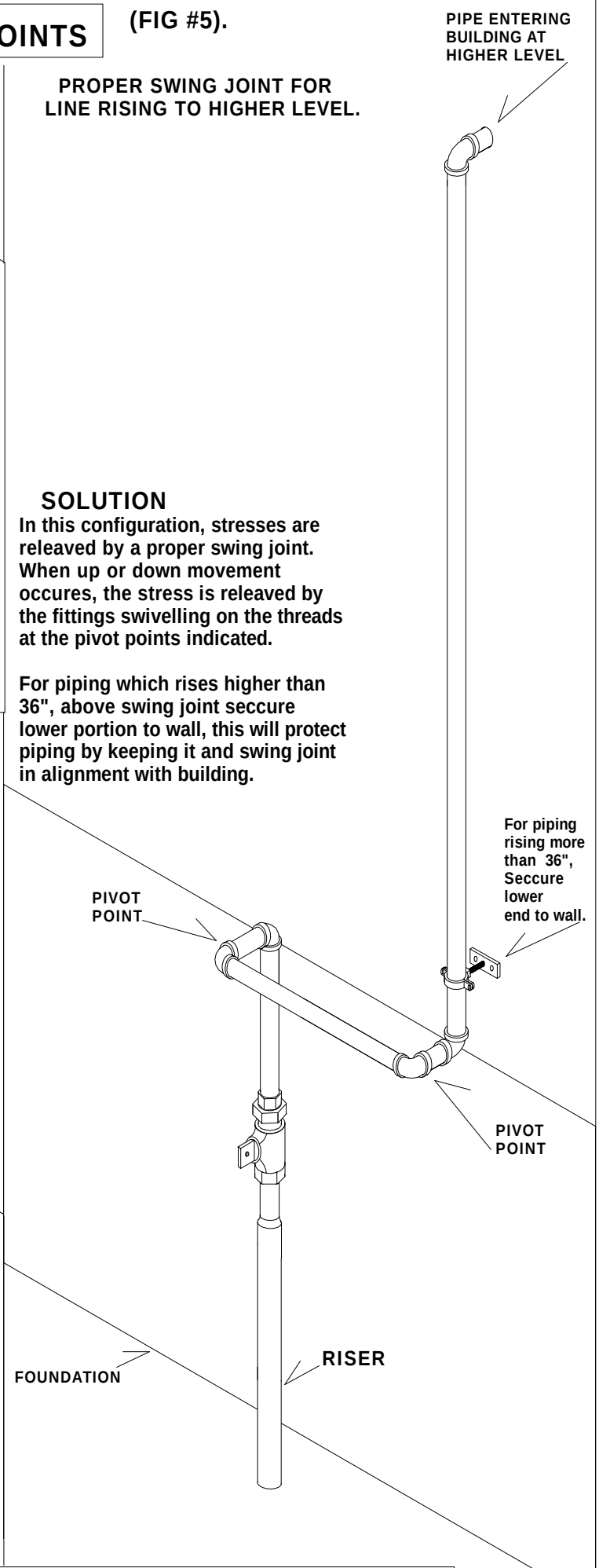


PROBLEM

With this configuration when riser moves up and down, with frost heaving and ground settling, stress points are created because the piping can not move. If the stress becomes too great, the pipe will fracture at one of the stress points, which will allow a dangerous, and constant releace of gas, not to mention a huge spike in gas bill.
See Fig #5. for solution.

(FIG #5).

PROPER SWING JOINT FOR LINE RISING TO HIGHER LEVEL.



SOLUTION

In this configuration, stresses are releaved by a proper swing joint. When up or down movement occures, the stress is releaved by the fittings swivelling on the threads at the pivot points indicated.

For piping which rises higher than 36", above swing joint seccure lower portion to wall, this will protect piping by keeping it and swing joint in alignment with building.

RMS
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NOTE: ALL JOINTS TO BE MADE UP USING TEFLON, CERTIFIED GAS TAPE, (Coloured Yellow).