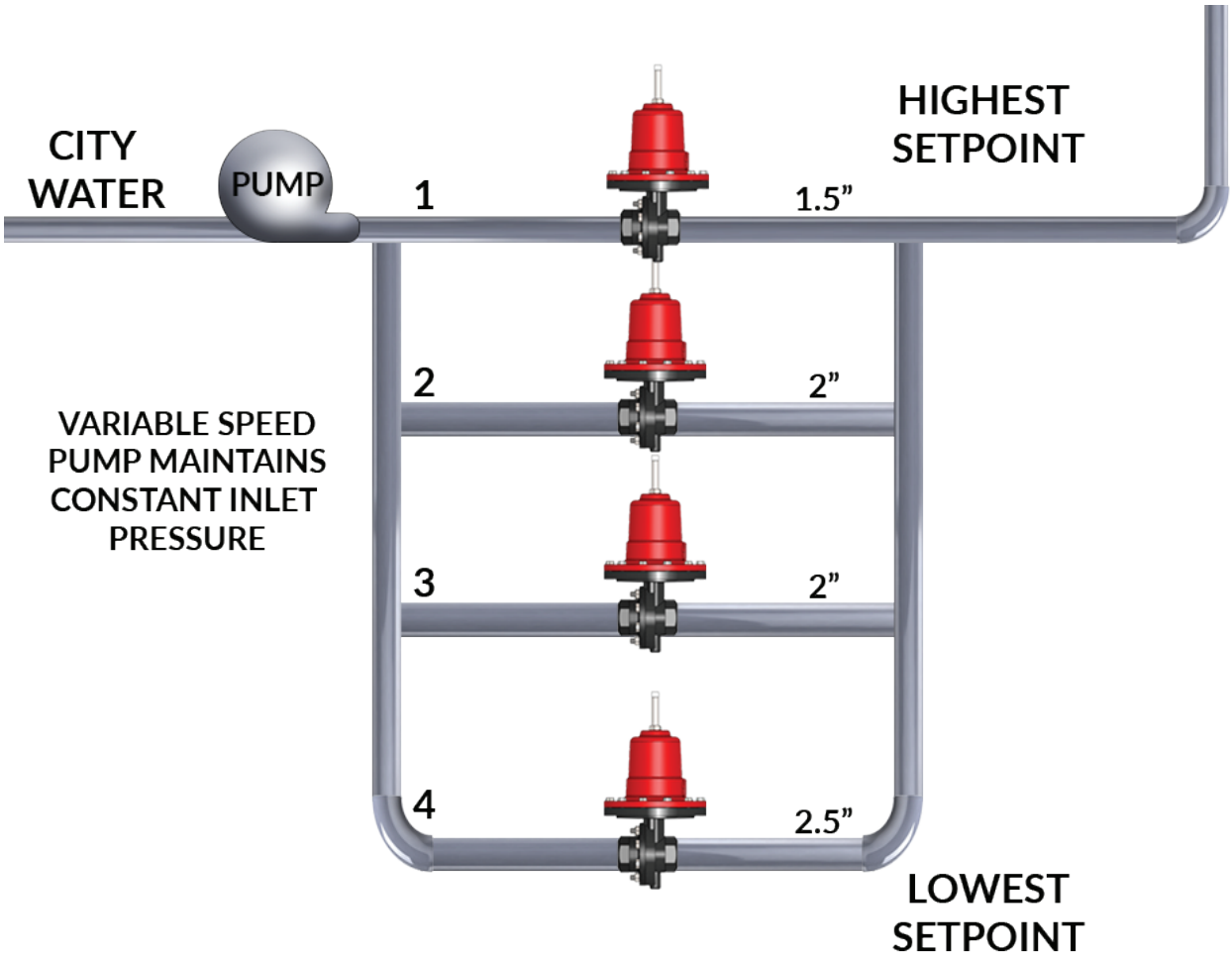

PRESSURE REGULATOR CONFIGURATION

A hotel ran into the problem of not having enough hot water for the top floors of the hotel. This was due in part to inadequate city water supply pressure, plus the use of ineffective pumps at the hotel. A prominent contractor/engineering house was called in to evaluate the problem and to come up with a solution. A variable pump as well as a series of Mark 60’s were installed to regulate the water pressure to the entire hotel. The maximum flow demand for the hotel would be approximately 750 gallons per minute. The average flow rate would be roughly 500 gpm, and they had sized pressure reducing station to almost 1200 gpm. Under normal circumstances, the droop and sizing rules were in place to indicate that this was a proper installation. The Mark 60’s were mounted in a parallel arrangement and set each of the pressures from small to large valve such that an offset had been incorporated.