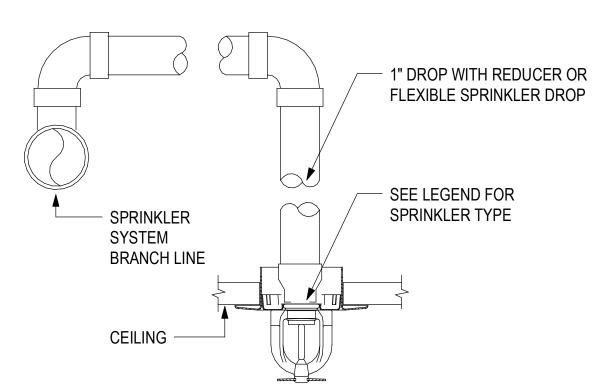
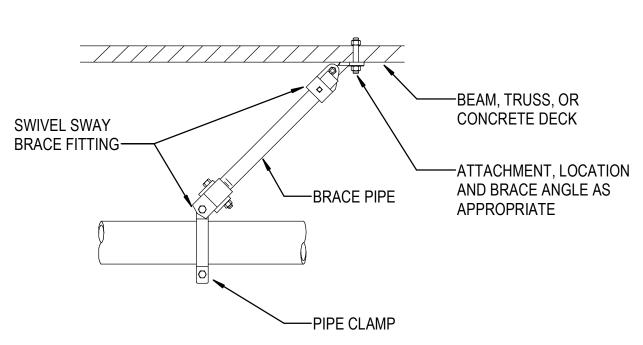


NOTE: SURGE RESTRAINERS ARE TO BE USED ONLY WITH BAND HANGERS TO RESTRAIN THE UPWARD MOVEMENT OF PIPE AS IT OCCURS DURING SPRINKLER HEAD ACTIVATION OR SEISMIC ACTIVITY. INSTALL AT ENDS OF LINES AND AT 30' INTERVALS ON BRANCH LINES.

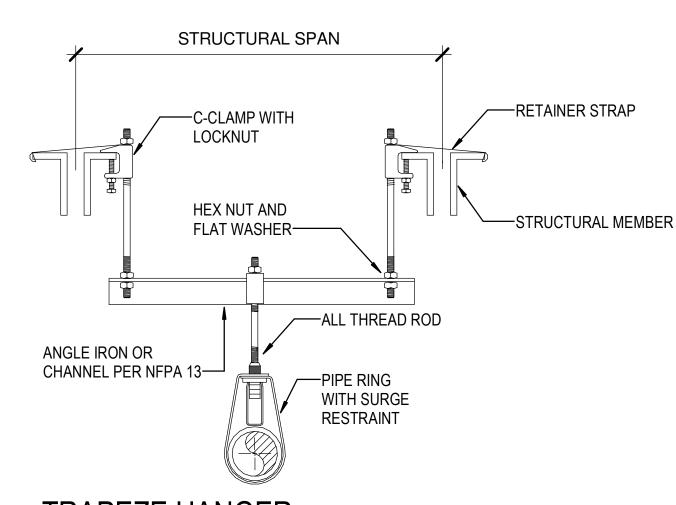
## HANGER SURGE



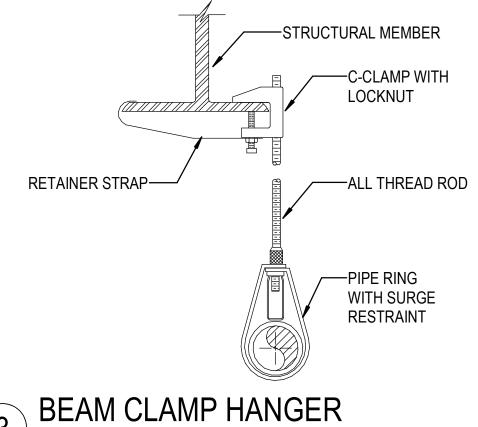
7 RETURN BEND
NOT TO SCALE

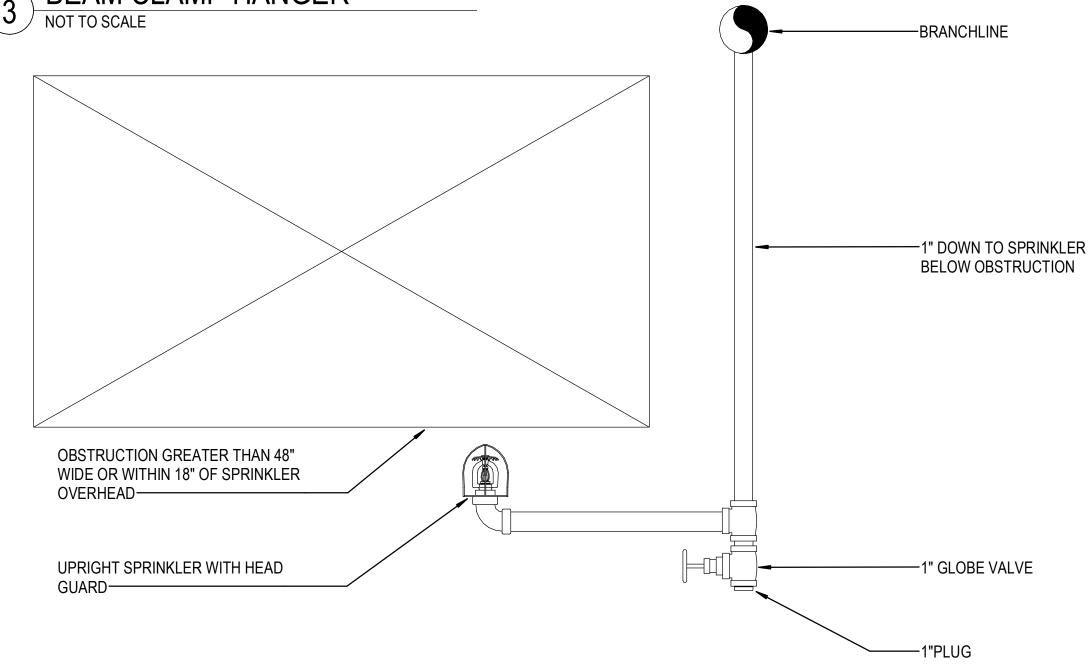


2 LONGITUDINAL SWAY BRACE DETAIL

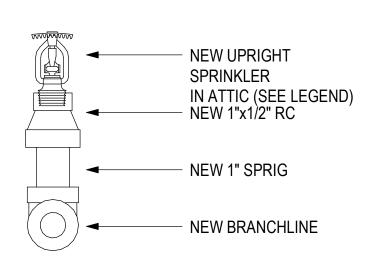








SPRINKLER UNDER OBSTRUCTION NOT TO SCALE



8 UPRIGHT SPRINKLER DETAIL
NOT TO SCALE

