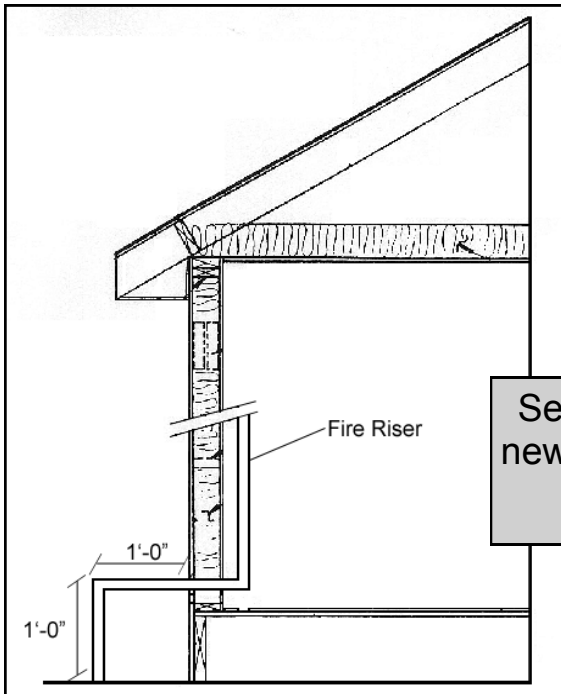


# Fire Suppression Systems Requirements

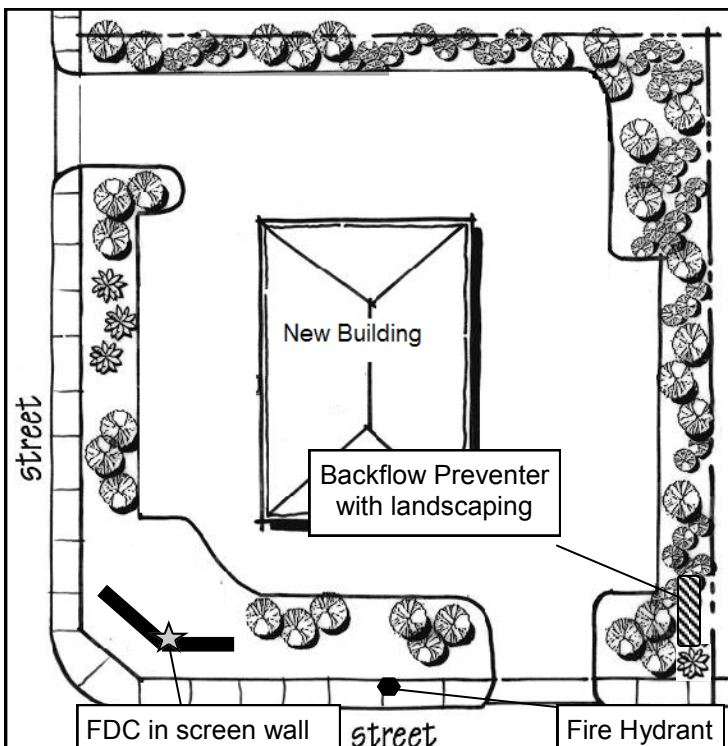
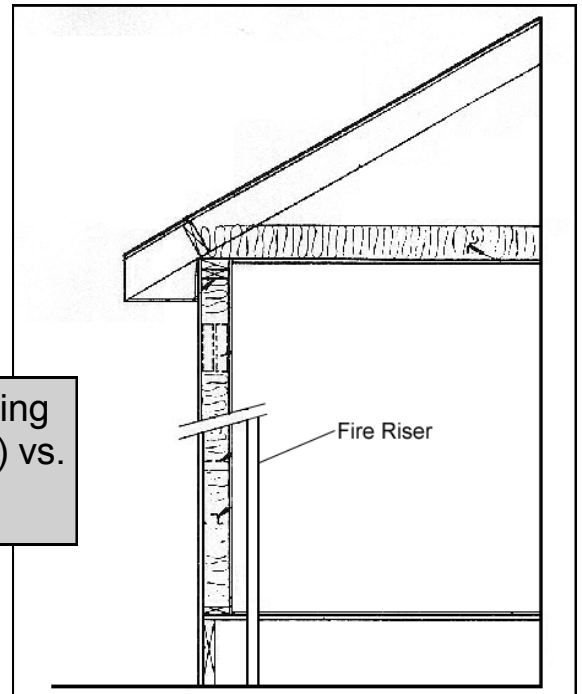
## Fire Riser:

### New Construction vs. Retrofit:

- For all new construction, fire riser must be located inside building wall.
- For retrofit construction, the maximum exterior protrusion of fire riser is 1-foot out and 1-foot up (see section below).



Section drawing showing new construction (right) vs. retrofit (left)



### Definitions:

1. Fire Department Connection (FDC) - Point where the Fire Department can connect to assist the fire suppression system within the building.
2. Double-check Detector Assembly (DCDA) - Protects public water by preventing water from the building from flowing back down the pipe to the main water line at the street.
3. Post Indicator Valve (PIV) - The PIV controls water flow into the private system from the public water system.

Sample site plan showing ideal locations for Fire Department Connections and Back-flow Preventer