

Commercial Plan Submittal Requirements

FIRE PROTECTION PLANS:

Fire Protection plans with the following information must be provided as the information relates to the particular project.

A site plan must be provided with fire department connection and all hydrants shown, with placement approved by fire official.

A sprinkler design data sheet must be completed and included on the fire plan of the sprinkler drawings.

Floor plans must be provided for each floor. They should show sprinkler and/or standpipe, piping, layout, pipe sizes, pipe hanger details, piping materials, doors, walls and room identities.

Ceiling plans showing sprinkler head(s) layout, walls, soffits, openings, doors, dimensions and room identities must be provided.

Verify system design by providing hydraulic calculations along with the following information: Recent water flow test. 10 psi safety margin. Type of backflow preventer or reduced pressure zone showing equivalent foot loss. Fire pump summary.

All fire-rated walls (both existing and new) must be shown on each applicable floor plan along with a corresponding wall legend.

All applicable UL/FM penetrating procedure details used to maintain the integrity of the rated assemblies for each type of penetration must be shown. The penetration details must be exactly as tested by an approved testing laboratory or agency and they must include their system numbers.

Show Fire App access roadways with turning radii and vertical clearances (*where applicable*).

One (1) extinguishing system plan for commercial cooking operations, heat treating, or other operations shall be submitted along with copies of equipment specifications.

Fire protective signaling system plans must be submitted, as a separate sheet of the electrical plans, and must show placement of all, signaling, and control devices. Equipment specification sheets shall accompany plans.

Fire protection and/or building plans shall show designation of fire official approved location for Knox – Key box rapid access system and fire alarm remote enunciator panel for fire department from Chief or Asst. Chief of fire department.

Four (4) plans and specifications for standpipe systems shall be submitted just as sprinkler plans.