

Commercial Plan Review Requirements

Building Plan Review Requirements

1. Plan(s) showing to scale the size and location of all new construction and all existing structures on the site. Distances from lot lines, established street grades and the proposed finished grades. Site plan shall be drawn in accordance with an accurate boundary line survey.
2. *One copy of report signed and sealed by a reporting engineer or registered design professional.*

Geo-technical report or soil investigation with any recommendation.
3. *Three (3) sets of plans and specifications signed and sealed by a registered design professional licensed in the state where the construction is to be performed.*
 - Front, rear and side elevations
 - Type(s) construction
 - Use group(s) and use of each area or room
 - Occupant load of each area or room
 - Means of egress plan
 - Rated assembly details with design numbers
 - Window, door and finish schedule
 - Design loads and design calculations
 - Shop and prefabricated component drawings
 - Wall, floor, roof & foundation sections

Details, connections and material designation

Commercial Plan Review Requirements

Mechanical Plan Review Requirements

1. SITE PLAN

Plan(s) showing to scale the size and location of all new construction and all existing structures on the site. Distances from lot lines, established street grades and the proposed finished grades. Site plan shall be drawn in accordance with an accurate boundary line survey

Three (3) sets of plans and specifications signed and sealed by a registered design professional licensed in the state where the construction is to performed.

- Location and size of equipment.
- Air distribution and return air system.
- Ventilation and exhaust schedule(s).
- Duct detection system.
- Combustion air.
- Gas piping diagram.
- Oil piping diagram.
- Hydronic piping diagram.
- Chimney system.
- Vent system.
- Design calculations.
- Floor plan(s) of systems and piping.
- Material designation.

Commercial Plan Review Requirements

Fire Alarm/Detection System Plan Review Requirements

Three (3) sets of plans and specifications signed and sealed by a registered design professional licensed in the state where the construction is to be performed.

- Types of systems or services.
- System signals and functions.
- Monitoring.
- Location of alarm initiating devices.
- Types of alarm initiating circuits.
- Primary and secondary power sources.
- Wiring types and methods.
- Manufacturers' specifications.
- Manufacturers' installation instructions.

Commercial Plan Review Requirements

Sprinkler/Standpipe Plan Review Requirements

1. SITE PLAN

Plan(s) showing to scale the size and location of all new construction and all existing structures on the site. Distances from lot lines, established street grades and the proposed finished grades. Site plan shall be drawn in accordance with an accurate boundary line survey

Three(3) sets of plans and specifications signed and sealed by a registered design professional licensed in the state where the construction is to be performed.

- Water supply test results
- Make, type, location and orifice size of sprinkler heads
- Number of sprinkler heads on each riser per floor
- Total area protected by each system on each floor
- Total number of heads on each dry pipe, preaction, deluge or combination system
- Temperature rating and location of high-temperature sprinkler heads
- Make, type, model and size of alarm on dry-pipe valve
- Make, type, model and size of preaction or deluge valve
- Capacity of each dry-pipe system
- Type and location of alarm bells
- Type, location and methods of securing sprinkler system
- Control valves, check valves, drain pipes and test connections
- Pipe size, type and schedule
- Type of fittings and joints and locations of welds and bends
- Location and size of riser nipples

Commercial Plan Review Requirements

Commercial Cooking System Plan Review Requirements

Three (3) sets of plans and specifications signed and sealed by a registered design professional licensed in the state where the construction is to be performed.

1. Hood

- Canopy or non-canopy.
- Material, gauge, joints welded, surface
- Exhaust CFM.
- Make-up air.
- Grease removal device, size, accessibility and angle.
- Clearances.

2. Duct Construction and Termination

- Each independent system.
- Material, gauge and connection to hood.
- Collection points.
- Air velocity.
- Cleanout location.
- Penetration protection.
- Clearances.
- Front lot line, air intake, above roof
- Above adjoining ground level.
- Weather protection, penetration protection.
- Clearances.