

Submittal Guide for Commercial Projects

Building Plan Requirements for Commercial Projects

The following items are required for new commercial projects. Drawings should be drawn to ¼ in. or 1/8 in. scale and shall provide the necessary information to verify compliance with the building code.

All drawings shall bear the stamp and signature of the design professional responsible for the design.

Two (2) sets of construction drawings shall be submitted and shall include:

Title Page Drawing; to include the contact information for all design professionals, description of square footage per floor, number of floors, type of construction to be utilized, area modifications utilized, use group classification(s), separation or non- separation of mixed use groups, design occupant load(s), finish materials classification, design codes utilized.

Site Plan Drawings; to include all utility layouts, handicap parking & access, designated fire lanes, distance between adjacent structures and property lines.

Floor Plan Drawings; to include the use of all areas, location & types of fire resistant construction, U.L. Listing of fire resistant construction, means of egress components, handicap access.

Structural Drawings; to include the structural design calculations, geo-technical engineering report, uniform live loads, dead loads, roof & snow loads, wind loads, footing construction detail, foundation construction details, framing construction details, concrete construction details, masonry construction details, wood construction details, steel construction details.

Electrical Drawings; to include all lighting facilities, electrically operated equipment, and electrical circuits required for all service equipment of the building or structure. Drawings should include panel schedules, grounding systems, and wiring methods.

Mechanical Drawings; to include size & type of appliances, construction of flues and chimney systems, ventilation air provided, fresh air make-up provided, location of all ducting and piping.

Plumbing Drawings; to include a plan view and a riser diagram of waste & water piping, pipe sizing, grade of piping, drainage fixture unit loads on stacks and drains, water distribution design criteria.

Fire Protection Systems; to include the submittal guide for each type of system. See specific submittal guide requirements.