



MINIMUM REQUIREMENTS FOR SUBMITTAL OF **COMMERCIAL / INDUSTRIAL PLANS**

The major codes adopted by the City of Upland are:

2010 CBC, CPC, CMC, CEC, CRC, CAL GREEN, ENERGY CODE, 2010 CA FIRE CODE

I. SUBMIT TO BUILDING DEPARTMENT

7 COMPLETE SETS OF PLANS - in ink and drawn to scale, minimum size 24" x 36" sheets.

ALL ITEMS LISTED BELOW SHALL BE ATTACHED TO PLANS

- Structural Engineering calculations with Engineer's original signature on cover sheet.
- Energy calculations (TITLE 24).
- Soils report and/or geological report.

II. PLANS SHALL CONSIST OF:

A. PLOT PLAN

- Fully dimensioned with legal description and lot lines indicated.
- All site improvements including existing and proposed construction, parking, light standards, trash enclosures, etc.
- Grades and elevation of site and building.
- Path of travel for disabled from street, parking spaces, and building.
- Location of existing and/or proposed utilities and all easements.
- Project address along with owner's name and address.
- Building location, Occupancy classification, floor area, type of construction, number of stories, height, occupant load, sprinklers, and area separation wall(s).

B. FOUNDATION PLAN

- Provide plan view of foundation, showing all footings, type and size, and cross referenced to proper details.
- Note soil type and all allowable soil bearing pressure used for building design.
- Indicate all steel reinforcement, anchor bolt and holdown sizes and locations, wire mesh, vapor barrier, etc.

C. BUILDING PLANS

- Fully dimensioned floor plan showing use of all occupied space (office, storage, etc.), exits, area separation walls, corridors, etc.
- Fully dimensioned cross sections and details.
- Show all elements of construction (walls, partitions, cabinets, shelving, etc.) on floor plan and door & window schedule.
- Interior finish schedule.
- Show fully dimensioned elevations.
- Complete structural plans, calculations and specifications.
- Final plans to be stamped and wet signed by the professional responsible for their preparation.
- Plans, details, and specifications for disable access compliance.
- Energy compliance forms and mandatory measures.
- Detail all Fire Rated elements and penetrations of Fire Rated elements.



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D. PLUMBING AND MECHANICAL PLANS

- Provide plumbing isometric/schematic showing sewer, soil, waste, vents, and cleanout sizes and material.
- Show water & waste piping system, pipe sizes, pipe material, and all plumbing fixtures.
- Show location of all gas meters and all gas piping including size on outlet side of meter.
- Show location of a heating and air conditioning equipment including manufacturer's name, model number, and weight of equipment.
- Show duct and register locations, material & sizes and indicate location of Fire Dampers.
- Location of roof top units and equipment.
 - a. weight of units.
 - b. details on roof framing that supports units and/or equipment.
 - c. type of curb: detail from unit to curb and from curb to roof framing.
- Energy compliance forms and mandatory measures.
- Engineering, if applicable, with stamp and signature on plans.

E. ELECTRICAL PLANS

- Provide single line diagram showing service, feeders, panels, conductors, disconnects, over current protection, grounding methods, and service load calculation.
- Provide panel schedule with circuit identification, description of circuits, and volt/amps.
- Provide fixture plans and schedule showing all outlets, switches, lighting, exit signs, and emergency power.
- Location of fixed appliances and exhaust fans.
- Horsepower/KWHS/tons per unit.
- Roof framing supports for units.
- Mounting specification.
- Energy compliance forms and mandatory measures.
- Engineering, if applicable, with stamp and signature on plans.