



Mariposa County Environmental Health



Public Health
Prevent. Promote. Protect.

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FOOD FACILITY PLAN CHECK GUIDE

I. GENERAL CONSTRUCTION AND EQUIPMENT REQUIREMENTS

The plans shall show and specify, in detail, the following:

A. FLOORS:

1. Floors in food establishments (except in sales and dining areas) shall be durable, smooth, impervious, and easily cleanable. Floor surfaces in all areas where food is prepared, packaged, or stored, where any utensil is washed, where refuse or garbage is stored, where janitorial facilities are located, in all toilets and hand washing areas and in employee change and garment storage areas, shall be an approved type that continues up the wall at least four (4) inches, forming a 3/8-inch minimum radius seamless covered base as an integral unit. Toe-kicks shall meet the same standards. The use of topset base is discouraged. Examples of approved floors include quarry tile, commercial grade sheet vinyl and/or seamless epoxy floors. [CalCode 114268]
2. Floor drains are required in floors that are water-flushed for cleaning and/or where pressure spray methods for cleaning equipment are used. Where floor drains are utilized in association with these cleaning methods, the entire floor surface shall be sloped 1:50 (1/4 inch per foot) to the floor drains. Area depressions are not acceptable. [CalCode 114269]
3. Approved anti-slip floor finishes or materials are acceptable in areas where necessary for safety reasons, such as traffic areas. [CalCode 114268]

B. WALLS AND CEILINGS:

1. Walls and ceilings of all rooms, (except bars, rooms where food is stored in unopened containers, and dining areas), shall be smooth, nonabsorbent, and washable. It is highly recommended that the walls and ceilings in food preparation and dishwashing areas, and in walk-in refrigeration units also be light colored. [CalCode 114271]
2. Brick, concrete block, rough concrete, rough plaster or textured gypsum board is not acceptable. [CalCode 114271]
3. All painted surfaces shall be sealed with a gloss or semi-gloss enamel, epoxy, varnish, or other approved sealer as necessary. [CalCode 114271]
4. Provide a durable, cleanable, smooth, non-corrosive and nonflammable material (e.g., stainless steel, ceramic tile, etc.) on wall surfaces behind the cook-line and to any sidewalls that are adjacent or in close proximity.
5. Wall and ceiling surface requirements are less stringent in the customer areas.

C. CONDUITS:

1. All plumbing, electrical, and gas lines shall be concealed within the building walls, floors, and ceiling or within approved conduit runs or chases. [CalCode 114271]
2. Where conduit or pipelines enter a wall, ceiling or floor, the opening around the line(s) shall be tightly sealed. [CalCode 114271]

3. Provide typical wall and cabinet details on the drawings.

D. SERVICE OF UNPACKAGED FOODS DIRECTLY TO OR BY THE CUSTOMER:

1. With the exception of produce displays in retail grocery stores, unpackaged foods shall be shielded so as to intercept a direct line between the customer's mouth and the food being displayed or shall be dispensed from approved self-service containers. Provide detailed drawings (scale 1 inch = 1 ft.) of all proposed sneeze guards. [CalCode 114060]
2. Utensils, food preparation equipment and food preparation areas in cafeterias, buffets, and at salad bars, etc., must be protected by approved sneeze guards.

E. STORAGE:

1. Adequate and suitable floor space and shelving shall be provided for the storage of food, beverages, and related products. [CalCode 114047]
2. A designated storage area separated from any food preparation or storage area, or utensil washing or storage area, must be provided for non-food items such as paper products, chemicals, and cleaning supplies. [CalCode 114281]
3. Shelving shall be constructed in an easily cleanable design of smooth metal, plastic laminate, or wood that has been finished and sealed. All shelving shall meet or be equivalent to approved applicable sanitation standards. The lowest shelf shall be at least six (6) inches above the floor, with a clear unobstructed area below, or be the upper surface of a completely sealed continuously coved base, with a minimum height of four (4) inches. [CalCode 114047]
4. Adequate and suitable space must be provided for the storage of both clean and soiled linens. [CalCode 114178]
5. A room, area or cabinet separated from any food preparation or storage area, or utensil washing or storage area, must be provided for the storage of all cleaning equipment, supplies, and poisonous substances (e.g., mops, buckets, brooms, cleaning compounds, pesticides, detergents or any other injurious or poisonous materials). [CalCode 114254 & 114254.2]

F. GARBAGE AND TRASH STORAGE AREA:

1. An area shall be provided for the storage and cleaning of garbage and trash containers. [CalCode 114245.4]
2. The walls, floor and ceiling of this room or area shall be constructed to be smooth, impervious, and easily cleanable. [CalCode 114268]
3. The room or enclosure shall be well ventilated. [CalCode 114149]
4. Outside trash storage areas should be situated as far away from delivery doors as possible. All exterior trash (garbage) containers must be kept in leak proof and rodent proof containers. [CalCode 114245.1]
5. Hot and cold running water through a mixing valve protected with a backflow protection device shall be provided and located so that the room or enclosure can be cleaned. [CalCode 114192.1]

G. RESTROOMS:

1. Toilet facilities shall be provided within each food establishment, convenient for the employee. The number of toilet facilities shall be in accordance with the local building and plumbing codes. [CalCode 114250]

2. Toilet facilities shall be so situated that patrons do not pass-through food preparation, food storage, or utensil washing areas when they are allowed access to the toilet facilities. [CalCode 114276]
3. The floors, walls, and ceilings shall have surfaces that are smooth (non-textured), nonabsorbent, light colored, and easily cleanable. [CalCode 114271]
4. Hand washing facilities shall be provided within or immediately adjacent to the toilet rooms. The hand washing facility shall be provided with hot and cold running water from a mixing type faucet and hand cleanser and towels as specified in item W, "HANDWASHING SINKS", below. [CalCode 113953 & 113953.2]
5. Toilet tissue shall be provided in a permanently installed dispenser at each toilet. [CalCode 114250]
6. The restrooms shall be provided with self-closing, tight fitting doors. [CalCode 114276]
7. All toilet rooms shall be provided with ventilation approved by this department. If an openable-screened window cannot provide adequate ventilation, mechanical ventilation will be required. [CalCode 114149]
8. Public toilet facilities shall be provided in each food establishment with more than 20,000 square feet of floor space. Separate men and women's toilet facilities are required. [CalCode 114276]
9. Buildings shall have restrooms for customers or guests if it contains a food establishment that provides space for food consumption on the premises, [CalCode 114276]

H. CLOTHING CHANGE/STORAGE ROOM:

1. A room, lockable enclosure or area separate from toilets, food storage or preparation areas, shall be provided where employees may change and store their outer garments and personal belongings. [CalCode 114256.1]

I. EXTERIOR DOORS AND WINDOWS:

1. All exterior doors shall be well fitted and self-closing to effectively prevent the entrance of flies, rodents, and vermin. [CalCode 114259]
2. All openable windows, such as restroom windows, shall be screened with not less than 16-mesh screening. [CalCode 114259.2]
3. Except as provided above, all food establishments shall be fully enclosed to prevent the entrance of flies, rodents, and vermin. Walk-in refrigeration and freezer units, restroom, janitorial areas, etc., must open directly into the establishment. [CalCode 114259]

J. PASS-THROUGH WINDOWS:

1. The pass-through opening must be fitted with an easily cleanable window that must be kept closed when not in use. [CalCode 114259.2]
2. The minimum distance between pass-through openings may not be less than 18 inches. [CalCode 114259.2]
3. The size of the opening shall not exceed 432 square inches. [CalCode 114259.2]

K. LIGHTING:

1. All food preparation areas, dishwashing areas, bar and fountain glass washing sinks (except where alcoholic beverage utensils are washed), shall be provided with at least 20 foot-candles of light, as measured 30 inches above the floor. [CalCode 114252]

2. Food and utensil storage rooms refrigerated storage areas, toilet rooms, and dressing rooms shall be provided with at least 10 foot-candles of light. [CalCode 114252]
3. In areas where food, equipment, utensils, or linens are exposed or stored, shatterproof covers shall be installed over all lights. [CalCode 114252.1]

L. WATER:

1. An adequate, protected, pressurized, potable supply of hot water at least 120 degrees Fahrenheit and cold water shall be provided. Indicate the water heater capacity (gallons), BTU's or kW's, and the recovery rate. [CalCode 114192]
2. The water supply shall be from a water system approved by the health officer or the state health department. [CalCode 114192]

M. FLOOR SINKS:

1. All condensate and similar liquid waste, e.g., espresso machines, soda and beer dispensers, and some coffee units, shall be drained by means of indirect waste pipes into an open floor sink. Floor sinks shall be installed in compliance with local plumbing ordinances and shall be easily accessible. [CalCode 114193] [UPC]

N. GREASE TRAPS AND INTERCEPTORS:

1. Check with the local water pollution control plant in your area regarding the size of the grease retention device.
2. All installations of grease retention devices must comply with the current edition of the Uniform Plumbing Code.
3. Unless adequate space is provided between the grease retention device and the wall for cleaning purposes, the grease retention device must be flush mounted in the floor.
4. Flush-mounted devices may be installed in vaults provided the vault is constructed to be watertight and of such construction so as not to create a nuisance.
5. Multiple grease retention devices may be approved on a case-by-case basis.
6. Each grease retention device must be clearly identified on plans submitted to this department.
7. Each grease retention device must be readily accessible for servicing.
8. Revisions to approved plans, caused by changes in the size or location of the grease retention device, must be resubmitted to this department for review and approval.

O. VENTILATION:

Provide adequate ventilation to remove gases, odors, steam, heat, grease, vapors or smoke from all rooms in the facility including food preparation, scullery, toilet, janitorial, garbage and change rooms, consistent with the requirements of local building codes. [CalCode 114149]

1. EXHAUST HOODS AND DUCTS:

- a) Mechanical exhaust ventilation shall be required at or above all cooking equipment such as ranges, griddles, ovens, deep fat fryers, barbecues, gas-fired appliances, and rotisseries, and may be required at or above mechanical dishwashing equipment, to effectively remove cooking odors, smoke, steam, grease, and vapors. An interlocked makeup air system is required. [CalCode 114149.1]

- b) All hoods, ducts, and exhaust outlets shall be installed in accordance with the current edition of the Uniform Mechanical Code as adopted by the local building department. Upon completion and before final approval of the ventilation system serving the heat processing equipment, a performance test will be required. This test is used to verify the rate of airflow and proper operation of the system. This test is to be conducted by competent individuals using equipment intended for that purpose. [UMC Chapter 5]

P. EQUIPMENT:

1. All equipment and utensils shall meet or be equivalent to approved applicable sanitation standards. Equipment design, construction and installation are subject to approval by the enforcement agency. [CalCode 114130]
2. Used equipment may be approved and will be evaluated on a case-by-case basis. [CalCode 114130]
3. All cracks and crevices at construction joints of counters, cabinets, bars, and similar fixtures shall be sealed with a caulking type sealant. All finishes shall be smooth and washable. [CalCode 114130.1]
4. Equipment shall be placed off the floor on six (6) inch high, round metal legs where possible or on a pedestal with a continuously covered base at the floor juncture. [CalCode 114169]
5. Provisions must be made for the rapid cool down of any potentially hazardous food that has been heated. Such food shall be cooled from 135^o Fahrenheit to 70^o Fahrenheit within two (2) hours and from 70^o Fahrenheit to 41^o Fahrenheit within four (4) hours. [CalCode 114002]

Q. REFRIGERATION:

1. All refrigeration units shall be adequate in capacity for the needs of the proposed operation and shall comply with the following requirements: [CalCode 114153]
 - a. Be specifically constructed for commercial use (domestic model refrigeration units will not be accepted). [CalCode 114130]
 - b. Be provided with an accurate, readily visible thermometer. [CalCode 114157]
 - c. Condensate waste from reach-in refrigeration units must be drained into a floor sink with an air gap separation or to an approved evaporator unit. [CalCode 114193] [UPC]
2. Walk-in refrigeration units shall also:
 - a. Have shelving that is at least six (6) inches off the floor with smooth, round metal legs, or cantilevered from the wall, for ease of cleaning. [CalCode 114047]
 - b. Have condensate waste drained into a floor sink. The floor sink is not to be located inside the walk-in refrigeration unit. [CalCode 114193] [UPC]
 - c. Where pre-manufactured walk-in boxes are installed on existing flooring, top set base may be allowed. [CalCode 114268]
 - d. Open into the building. [CalCode 114266]

R. ICE MACHINES:

1. All ice machines shall be located within the building in an easily cleanable, well-ventilated area, and shall be drained to a floor sink or other approved indirect connection. [CalCode 114193]

S. KITCHEN UTENSIL SINK:

1. Where multiservice kitchen utensils (i.e., pots, pans, spatulas, tongs, knives, scoops, etc.) are utilized or where food is prepared, there shall be provided at least a three-compartment approved stainless steel sink with dual integrally installed stainless steel drain boards. A stainless-steel backsplash shall be provided. [CalCode 114095]
2. The sink must be capable of accommodating the largest utensil to be washed and the drain boards shall be as large as the largest sink compartment. [CalCode 114099]
3. The three-compartment sink may be required within each separate section of a large food establishment that handles unpackaged foods (i.e., deli, meat, bakery, sushi or oyster bars, etc.). [CalCode 114095]

T. EATING AND DRINKING UTENSIL SINKS:

1. Where multiservice eating and drinking utensils are washed by hand, a three (3) compartment approved stainless steel sink with dual integrally installed stainless steel drain boards and backsplash shall be provided. [CalCode 114099.2]
2. The sink must be capable of accommodating the largest utensil to be washed and the drain boards shall be as large as the largest sink compartment. [CalCode 114099 (b)]

U. FOOD PREPARATION (CULINARY) SINK:

1. A food preparation sink shall be provided in all facilities that require a sink to soak, wash or prepare ready-to-serve foods. [CalCode 114193] [UPC]
2. The food preparation sink shall meet applicable sanitation standards. This sink does not require a drain board. [CalCode 114130]
3. The waste pipe from the food preparation sink shall discharge into an open floor sink via an air gap separation. [CalCode 114193] [UPC]

V. HANDWASHING SINKS:

1. A hand washing sink shall be provided within the food preparation area. [CalCode 113953]
2. Hand washing cleanser and single service towels shall be provided in dispensers adjacent to each hand washing facility. [CalCode 113953.2]
3. Hand washing sinks shall have water provided from a combination faucet, or water from a premixing faucet that supplies warm² water for a minimum of fifteen (15) seconds while both hands are free for washing. [CalCode 113953]

² "WARM WATER" means water that is supplied through a mixing valve or combination faucet at a temperature of at least 100°F

W. JANITORIAL SINK (SERVICE SINK):

1. A one-compartment, nonporous commercial service sink used solely for janitorial purposes. This sink must be provided with hot and cold running water through a mixing faucet equipped with an integral vacuum breaker. [CalCode 114279]

-OR-

2. A slab, basin, or floor constructed of concrete or equivalent material, and be of adequate size to wash large floor mats. This area must be curbed and sloped to a drain. This facility must be provided with hot and cold running water through a mixing faucet equipped with an integral vacuum breaker. [CalCode 114279]

This sink must be located so as not to contaminate any food preparation areas food storage areas, utensils, or equipment. [CalCode 114282]

X. AUTOMATIC DISHMACHINES:

1. All automatic dish machines must meet or be equivalent to sanitation standards approved by the department. [CalCode 114130]
2. Automatic dishwashing machines that are designed for a hot water sanitizing rinse must be installed beneath a mechanical exhaust hood. The design of this hood should account for the release of steam and vapor out of the automatic dishwashing machine. Make-up air will be required as part of the overall mechanical exhaust system [UMC]
3. A minimum of a three (3) compartment stainless steel sink with dual integral metal drain boards is required in addition to any dishwashing machine. [CalCode 114099]

Y. DIPPER WELL:

1. A cold running water dipper well shall be provided if scoops or other reusable serving utensils are stored in water. The dipper well shall be drained by means of an indirect connection. [CalCode 114193]

II. FIELD CONSTRUCTION INSPECTION PROCEDURE

- A. The contractor or owner is responsible to contact this office to arrange for a construction inspection before the following milestones:
- Installation of equipment (Pre-final Inspection)
 - Upon completion of the project (Final Inspection)

Approved materials and good workmanship are significant factors in the evaluation and final field approval of food facility construction and equipment installation. A final inspection should be requested no less than five (5) working days before the proposed opening of the establishment.

- B. In the case of new food facilities, no food storage or food preparation will be allowed onsite unless authorized to do so by this department. A permit will be issued upon the successful conclusion of our final construction inspection.