INDUSTRIAL OVENS

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A-Approved; AC-Approved w/comments; I-Incomplete; D-Denied

PURPOSE

This plan review checklist applies to Class A, Class B, Class C, and Class D ovens, dryers, and furnaces, thermal oxidizers, and any other heated enclosure used for processing of materials and related equipment.

CODE REFERENCES

2007 California Building Code (CBC)

2007 California Fire Code (CFC) Chapter 21

2007 California Mechanical Code

NFPA 86, 5th edition

PERMIT(S) REQUIRED

A permit is required for the installation of Industrial Ovens. Categories and fee amounts are found at: http://ci.santa-rosa.ca.us/doclib/Documents/IB%20018.pdf

Permits shall be required as set forth in Appendix Chapter 1, Sections 105.6 and 105.7.

CUPA

If the business or operation stores hazardous, flammable or combustible materials as part of their business operation or process a Hazardous Materials Business Plan and a Hazardous Materials Management Plan shall be submitted to UNIDOCs.

PLAN REVIEW

Plans shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show that it will conform to the provisions of the adopted California Codes and National Standards. Plans which do not contain the minimum information required will be denied.

Y  N
1. ☐ ☐ Three (3) copies of plans (24” x 36”, or 30” x 42”) must be submitted for review.

2. ☐ ☐ Plan sets shall all be of the same size.
Plan Review Checklist
Industrial Oven

Y N
3. □ □ Working Drawings - scale to 1/8" = 1’.
4. □ □ Plans shall be drawn in indelible ink.
5. □ □ Sheets that are cut and pasted, taped, or that have been altered by any means (pen, pencil, marking pen, etc.) will not be accepted for plan review.
6. □ □ Site Plans – scale to 1” = 20’ or 1” = 40’

PROJECT INFORMATION
7. □ □ Owner’s name, address, telephone number.
8. □ □ Occupant’s name, address, telephone number, if different from owner.
9. □ □ Contractor’s name, address, fax number, telephone number and California State Contractor’s license number.

DOCUMENTATION
10. □ □ Type of construction and occupancy classification of building.
11. □ □ Copy of standard “Furnace or Oven Manufacturer’s Application for Acceptance.”
12. □ □ Calculations showing ventilation rates.

WORKING DRAWINGS
13. □ □ Location in building where baking and drying oven is installed, showing clearances from combustibles.
14. □ □ Detailed cross-section of floor on which oven is installed.

TYPE OF OVEN CONSTRUCTION SHOWING
15. □ □ Method to prevent exterior surface temperature reaching 160°F.
16. □ □ Type and amount of insulation used in panel construction.
17. □ □ Method and calculations of explosion control.
18. □ □ Location, size and material construction of exhaust ducts, including termination of ducts in relation to building openings.
19. □ □ Location, size and type of fresh air ventilation equipment.
20. □ □ Type, location, make, model and operational sequence of safety controls, including,
   • Ventilation interlocks controls,
   • Fuel-safety interlocks controls,
   • Excess temperature controls,
   • Conveyor interlock controls, if applicable.
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