

SANTA ROSA FIRE DEPARTMENT

FIRE PREVENTION BUREAU PLAN REVIEW CHECKLIST

July 1, 2010



INDUSTRIAL OVENS

Address:		Permit #:
Inspector:	Date:	Status:
Inspector:	Date:	Status:
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. | <input type="checkbox"/> | <input type="checkbox"/> | Three (3) copies of plans (24" x 36", or 30" x 42") must be submitted for review. |
| 2. | <input type="checkbox"/> | <input type="checkbox"/> | Plan sets shall all be of the same size. |

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- | | Y | N | |
|----|--------------------------|--------------------------|--|
| 3. | <input type="checkbox"/> | <input type="checkbox"/> | Working Drawings -scale to 1/8" = 1'. |
| 4. | <input type="checkbox"/> | <input type="checkbox"/> | Plans shall be drawn in indelible ink. |
| 5. | <input type="checkbox"/> | <input type="checkbox"/> | 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. | <input type="checkbox"/> | <input type="checkbox"/> | Site Plans – scale to 1" = 20' or 1" = 40' |

PROJECT INFORMATION

- | | | | |
|----|--------------------------|--------------------------|--|
| 7. | <input type="checkbox"/> | <input type="checkbox"/> | Owner's name, address, telephone number. |
| 8. | <input type="checkbox"/> | <input type="checkbox"/> | Occupant's name, address, telephone number, if different from owner. |
| 9. | <input type="checkbox"/> | <input type="checkbox"/> | Contractor's name, address, fax number, telephone number and California State Contractor's license number. |

DOCUMENTATION

- | | | | |
|-----|--------------------------|--------------------------|---|
| 10. | <input type="checkbox"/> | <input type="checkbox"/> | Type of construction and occupancy classification of building. |
| 11. | <input type="checkbox"/> | <input type="checkbox"/> | Copy of standard "Furnace or Oven Manufacturer's Application for Acceptance." |
| 12. | <input type="checkbox"/> | <input type="checkbox"/> | Calculations showing ventilation rates. |

WORKING DRAWINGS

- | | | | |
|-----|--------------------------|--------------------------|---|
| 13. | <input type="checkbox"/> | <input type="checkbox"/> | Location in building where baking and drying oven is installed, showing clearances from combustibles. |
| 14. | <input type="checkbox"/> | <input type="checkbox"/> | Detailed cross-section of floor on which oven is installed. |

TYPE OF OVEN CONSTRUCTION SHOWING

- | | | | |
|-----|--------------------------|--------------------------|--|
| 15. | <input type="checkbox"/> | <input type="checkbox"/> | Method to prevent exterior surface temperature reaching 160°F. |
| 16. | <input type="checkbox"/> | <input type="checkbox"/> | Type and amount of insulation used in panel construction. |
| 17. | <input type="checkbox"/> | <input type="checkbox"/> | Method and calculations of explosion control. |
| 18. | <input type="checkbox"/> | <input type="checkbox"/> | Location, size and material construction of exhaust ducts, including termination of ducts in relation to building openings. |
| 19. | <input type="checkbox"/> | <input type="checkbox"/> | Location, size and type of fresh air ventilation equipment. |
| 20. | <input type="checkbox"/> | <input type="checkbox"/> | Type, location, make, model and operational sequence of safety controls, including, <ul style="list-style-type: none">• Ventilation interlocks controls,• Fuel-safety interlocks controls,• Excess temperature controls,• Conveyor interlock controls, if applicable. |

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- | | Y | N | |
|-----|--------------------------|--------------------------|---|
| 21. | <input type="checkbox"/> | <input type="checkbox"/> | Type and location of fuel source. |
| 22. | <input type="checkbox"/> | <input type="checkbox"/> | Type of automatic fire and explosion suppression, if applicable. |
| 23. | <input type="checkbox"/> | <input type="checkbox"/> | Make, model and location of continuous vapor concentration indicators and controllers |