

REDDING FIRE DEPARTMENT

PLAN REVIEW: OWNER'S STATEMENTS
April 13, 2004

GENERAL STORAGE AND USE
OWNER'S STATEMENT OF INTENDED USE

Occupancy Address: _____	
Tenant: _____	Telephone: _____
Owner: _____	Telephone: _____
Owner's Address: _____	

The Redding Fire Department's review of this project indicates there is a potential for it to be used for one or more of the hazardous operations, processes or storage listed below. If this is the case, special fire protection features may be required beyond those specified in the initial building permit plan review.

Please check the appropriate box below, sign and return this form to the Redding Fire Department at the address listed above. If you have questions, please contact us at (530)225-4150 or via e-mail at firedept@ci.redding.ca.us. If additional fire protection features are required, you will be notified in writing.

- [] This building will not be used for one or more of the hazardous operations, processes or storage listed below.
- [] This building will be used for one or more of the hazardous operations, processes or storage listed below. A fire department permit may be required.

- | | |
|--|--|
| <input type="checkbox"/> Aerosol storage and/or retail display | <input type="checkbox"/> Combustible fiber storage or handling |
| <input type="checkbox"/> Combustible liquid storage or use | <input type="checkbox"/> Compressed gases storage or use |
| <input type="checkbox"/> Cryogenic fluid storage or use | <input type="checkbox"/> Explosives/blasting agent storage |
| <input type="checkbox"/> Gunpowder/primers storage or display | <input type="checkbox"/> Fiberglass operations |
| <input type="checkbox"/> Flammable liquid storage or use | <input type="checkbox"/> Hazardous material storage or use |
| <input type="checkbox"/> Motor vehicle repair operations | <input type="checkbox"/> Spray finishing/Dip coating |
| <input type="checkbox"/> Welding/Cutting | <input type="checkbox"/> Woodworking |

- [] This building is a speculation building without a tenant at this time. The owner will notify the tenant that there may be special fire department requirements for one or more of the hazardous operations, processes or storage listed above, and will be advised to contact the fire department for permits prior to occupancy.

Owner's signature

Date

REDDING FIRE DEPARTMENT

PLAN REVIEW: OWNER'S STATEMENTS
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HIGH-PILED OR RACK STORAGE
OWNER'S STATEMENT OF INTENDED USE

Occupancy Address: _____	
Tenant: _____	Telephone: _____
Owner: _____	Telephone: _____
Owner's Address: _____	
Gross Building Area: _____ sq. ft.	Designated storage are(s): _____ sq. ft.
Is the storage area accessible to the general public? <input type="checkbox"/> Yes <input type="checkbox"/> No	

The Redding Fire Department's review of this project indicates there is a potential for it to be used for high-piled or rack storage as defined by the local fire code. If this is the case, special fire protection features may be required beyond those specified in the initial building permit plan review.

Please check the appropriate box below, sign and return this form to the Redding Fire Department at the address listed above. If you have questions, please contact us at (530)225-4150 or via e-mail at firedept@ci.redding.ca.us . If additional fire protection features are required, you will be notified in writing.

- This building will not be used for high-piled storage as defined by the code:
 - Storage in piles or on pallets, in racks or shelves where the material being stored will not exceed twelve (12) feet in height, or,
 - Tires, Group A plastics, flammable liquids, idle pallets or similar high hazard materials will not be stored above six (6) feet in height.

- This building will be used for high-piled storage, and will be designed to conform to fire code requirements. A fire department permit is required.
NOTE: If you checked this box, please complete the attached supplemental form.

- This building is a speculation building without a tenant at this time. The owner will notify the tenant that there may be special fire department requirements for high-piled storage, and will be advised to contact the fire department for permits prior to occupancy.

Owner's signature

Date

REDDING FIRE DEPARTMENT

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HIGH-PILED OR RACK STORAGE
SUPPLEMENTAL APPLICATION

Occupancy Address: _____		
Tenant: _____	Telephone: _____	

Please answer all questions to the best of your ability. The detail of the description will help establish your commodity classification and storage fire protection requirements.

If you cannot answer these questions, please contact the Redding Fire Department at (530)225-4150 or via e-mail at firedept@ci.redding.ca.us. You may have to retain the services of a qualified fire protection engineer to evaluate the hazard and prepare a report for fire department review.

Mixed commodity classifications must be protected to the highest commodity classification shown unless it can be proved by engineering analysis the fire protection equipment can protect the hazard.

1. Describe the commodities to be stored. Provide a detailed description of the product(s), packing materials and containers. Products that are packaged with Group A expanded or non-expanded plastics should be described with the amount of each plastic by weight or volume.
2. Describe the method of storage. Provide a description of the method of storage such as in solid piles, on pallets (wood, steel or plastic), loose, racks (single, double or multiple-row), carousel, flow-through, bin box, etc.
3. Specify the amount of building area designated for high piled storage. _____ Sq. ft.
4. Specify the maximum height the material will be stored. _____ feet

FIRE DEPARTMENT USE ONLY	
<input type="checkbox"/>	Based on the information provided, the Redding Fire Department has determined your commodity classification is Class _____, and the storage area is Class _____. Deviations from the information supplied may require additional fire protection features.
<input type="checkbox"/>	The Redding Fire Department is unable to classify your commodit(ies). You will have to provide an engineering analysis for review and approval.

Please provide the following materials and/or information listed on the next page.

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GENERAL

- [] Floor plan showing the locations and dimensions of high-piled storage areas.
- [] Location of required fire department access doors.
- [] A description of the type of fire suppression and detection systems. Separate plans may be submitted for review later.
- [] Type, location, dimensions and specifications of smoke removal and curtain board systems.
- [] Location within storage areas of each commodity by class.
- [] Location of commodities that are banded or encapsulated.
- [] Useable storage height for each storage area.
- [] Clearance between the top of storage and sprinkler deflectors for each area.
- [] Aisle dimensions between each storage array.
- [] Evacuation plan for areas that are accessible to the public.

If storage is on racks or shelves:

- [] Verification the system is rack or shelf storage, or bin boxes greater than five (5) feet in any dimension.
- [] Number of tiers within each rack, shelf or bin box system.
- [] The use of solid or slatted decks.
- [] Location and anticipated quantity of plastic pallets or bin boxes, if applicable.
- [] Description of material from which plastic pallets or bin boxes are made.
- [] Dimension and location(s) of transverse and longitudinal flue spaces.
- [] Location and anticipated quantity of idle pallet storage area, if applicable.

If storage is solid-piled, palletized or small bin boxes:

- [] Verification the system is solid-pile, palletized, shelves less than fifteen (15) feet high or bin boxes smaller than five (5) feet in any dimension.
- [] Pile dimensions (length, width and height) for each storage array.
- [] Maximum pile volume for each storage array.
- [] Location and anticipated quantity of plastic pallets or bin boxes, if applicable.
- [] Description of material from which plastic pallets or bin boxes are made.
- [] Location and anticipated quantity of idle pallet storage area, if applicable.

If you have questions, please contact us at (530)225-4150 or via e-mail at firedept@ci.redding.ca.us.

REDDING FIRE DEPARTMENT

PLAN REVIEW: OWNER'S STATEMENTS
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**AEROSOL STORAGE AND SALES
OWNER'S STATEMENT OF INTENDED USE**

Occupancy Address: _____	
Tenant: _____	Telephone: _____
Owner: _____	Telephone: _____
Owner's Address: _____	
Gross Building Area: _____ sq. ft.	Designated storage are(s): _____ sq. ft.

The Redding Fire Department's review of this project indicates there is a potential for it to be used for storage and/or sales of hazardous aerosol products as defined by the local fire code. If this is the case, special fire protection features may be required beyond those specified in the initial building permit plan review.

Please check the appropriate box below, sign and return this form to the Redding Fire Department at the address listed above. If you have questions, please contact us at (530)225-4150 or via e-mail at firedept@ci.redding.ca.us. If additional fire protection features are required, you will be notified in writing.

Aerosol products are classified as Level 1, 2, or 3 depending upon their chemical composition and propellant gas. Classifications can be obtained from the Material Safety Data Sheet (MSDS) for the product or from the box in which they are shipped. MSDS are available from the product manufacturer or distributor. Please note: **If aerosol-containing cartons are not marked to identify their classification, they are treated as Level 3 aerosols.**

- This building will not be used for storage or retail display of five hundred (500) pounds net weight or more of Level 2 or 3 aerosols, or any amount of aerosols packaged in vent-release containers.
- This building will be used for storage or retail display of five hundred (500) pounds net weight or more of Level 2 or 3 aerosols, or any amount of aerosols packaged in vent-release containers. A fire department permit is required.
NOTE: If you checked this box, please complete the attached supplemental form.
- This building is a speculation building without a tenant at this time. The owner will notify the tenant that there may be special fire department requirements for aerosol storage and/or retail display, and will be advised to contact the fire department for permits prior to occupancy.

Owner's signature

Date

Please answer all questions. The detail of the description will help establish accurate code requirements.

REDDING FIRE DEPARTMENT

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Aerosol products are classified as Level 1, 2, or 3 depending upon their chemical composition and propellant gas. Classifications can be obtained from the Material Safety Data Sheet (MSDS) for the product or from the box in which they are shipped. MSDS are available from the product manufacturer or distributor. Please note: **If aerosol-containing cartons are not marked to identify their classification, they are treated as Level 3 aerosols.**

- 1. **Retail sales and Display.** Provide an estimated maximum quantity of the aerosols you intend to have in retail display at any time. (One pallet load of aerosols is approximately five hundred (500) net pounds.)

	Maximum Net Pounds
Level 2	_____
Level 3	_____
Vent Release Containers	_____

- 2. **Storage.** Provide an estimated maximum quantity of the aerosols you intend to have in storage at any time. (One pallet load of aerosols is approximately five hundred (500) net pounds.)

	Maximum Net Pounds
Level 2	_____
Level 3	_____
Vent Release Containers	_____

- 3. **Storage Array.** Storage will be on:
 Shelves Racks Pallets Other

Shelf storage normally includes those shelves less than thirty (30) inches deep with shelves usually two (2) feet apart vertically. Rack storage includes larger storage arrangements and structures.

- 4. **Height.** The maximum storage height of aerosol containers will be _____ feet. Aerosols in retail display may not exceed eight (8) feet in height on shelves, or six (6) feet in cartons.

- 5. **Aisles.** Aisles around storage will be _____ feet wide. Aerosols in retail displays must have aisle widths four (4) feet wide on three (3) sides of the display.

- 6. **Relocation.** Once you have established the designated display or storage area, do you intend to move your aerosols? Yes No
Moving the aerosol storage or display may affect the performance of the building's fire sprinkler system. A permanently designated storage and display area may be less costly.

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**FLAMMABLE AND COMBUSTIBLE LIQUID STORAGE
IN WHOLESALE AND RETAIL SALES
OWNER'S STATEMENT OF INTENDED USE**

Occupancy Address: _____	
Tenant: _____	Telephone: _____
Owner: _____	Telephone: _____
Owner's Address: _____	
Gross Building Area: _____ sq. ft.	Designated storage are(s): _____ sq. ft.

The Redding Fire Department's review of this project indicates there is a potential for it to be used for the storage and/or sales of flammable or combustible liquids as defined by the local fire code. If this is the case, special fire protection features may be required beyond those specified in the initial building permit plan review.

Please check the appropriate box below, sign and return this form to the Redding Fire Department at the address listed above. If you have questions, please contact us at (530)225-4150 or via e-mail at firedept@ci.redding.ca.us. If additional fire protection features are required, you will be notified in writing.

Flammable and combustible liquids are classified as Class I-A, I-B, I-C, II, III-A or III-B depending upon their flash point and boiling temperatures. Classifications can be obtained from the Material Safety Data Sheet (MSDS). MSDS are available from the product manufacturer or distributor.

- This building will not be used for storage or retail display of flammable or combustible liquids exceeding the amounts listed on the top of the next page.
- This building will be used for storage or retail display of flammable or combustible liquids exceeding the amounts listed on the top of the next page. A fire department permit is required.
NOTE: If you checked this box, please complete Part Two of this form.
- This building is a speculation building without a tenant at this time. The owner will notify the tenant that there may be special fire department requirements for flammable or combustible liquid storage and/or retail display, and will be advised to contact the fire department for permits prior to occupancy.

Owner's signature

Date

REDDING FIRE DEPARTMENT

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EXEMPT AMOUNTS (Gallons) PER CONTROL AREA

	Unsprinklered Building	Sprinklered Building*
Class I-A	30	60
Class I-B, I-C, II, III-A	1,600	7,500
Class III-B	13,200	Unlimited

A control area is a space separated from the remainder of the building by one-hour fire resistive construction.

* To qualify as sprinklered, special water application rates are required, and the ceiling height must not exceed 18 feet. Please have your sprinkler contractor contact the fire department for guidance.

PART TWO

1. **Container Sizes And Construction.** The maximum size of any one container will not exceed _____ gallons.

Class I and II flammable and combustible liquids will be stored in metal and/or plastic containers.

2. **Storage array.** Storage will be on:

Shelves Racks Pallets Other

Shelf storage normally includes those shelves less than thirty (30) inches deep with shelves usually two (2) feet apart vertically. Rack storage includes larger storage arrangements and structures.

3. **Height.** The maximum storage height of containers will be _____ feet. Maximum storage height is limited by the type of fire protection provided. The maximum storage height will be specified on your fire department permit.
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HAZARDOUS MATERIALS EXEMPT AMOUNT DECLARATION

Occupancy Address: _____	
Tenant: _____	Telephone: _____
Owner: _____	Telephone: _____
Owner's Address: _____	

The following information must be completed for the building department to properly assign the occupancy classification for your project, and the fire department to perform a fire code plan review.

Please complete this information to the best of your ability, and check all that apply. If you do not know into which categories your products fall, please contact us at (530)225-4150 or via e-mail at firedept@ci.redding.ca.us. If additional fire protection features are required, you will be notified in writing.

- 1. This occupancy will not contain hazardous materials in excess of the quantities listed in the attached tables.

If you checked box No. 1, you may need fire department permits, but no additional work on this Hazardous Materials Declaration is required. Please sign and return it to the building department.

- 2. This occupancy will contain hazardous materials of the type and quantities listed on the back of this report.
- 3. These materials will be stored in original, unopened containers.
- 4. These materials will be used indoors in open systems where products or vapors may be emitted to the atmosphere.
- 5. These materials will be used outdoors in open systems where products or vapors may be emitted to the atmosphere.
- 6. These materials will be used indoors in closed systems where products or vapors will not be emitted to the atmosphere.
- 7. These materials will be used outdoors in closed systems where products or vapors will not be emitted to the atmosphere.

I understand, when required by the building or fire department, I must provide Material Data Safety Sheets (MSDS) and/or a hazardous materials inventory statement so an accurate hazard assessment may be made.

Owner's signature

Date

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Where mixed units are listed, please circle gallons, pounds or cubic feet as appropriate.

	PHYSICAL HAZARDS	Qty. in Storage	Unit	Qty. in Use	Unit
1	Combustible liquids		gals.		gals.
	Class II		gals.		gals.
	Class III-A		gals.		gals.
	Class III-B		gals.		gals.
2	Combustible fibers		cu. ft.		cu. ft.
3	Cryogenic Fluids		gals.		gals.
4	Explosives		lbs.		lbs.
5	Blasting Agents		lbs.		lbs.
6	Gunpowder		lbs.		lbs.
7	Flammable solids		lbs.		lbs.
8	Flammable gases				
	Gaseous		cu. ft.		cu. ft.
	Liquefied		cu. ft.		cu. ft.
9	Flammable Liquids				
	Class I-A		gals.		gals.
	Class I-B		gals.		gals.
	Class I-C		gals.		gals.
10	Organic Peroxides				
	Class I		lbs./gals.		lbs./gals.
	Class II		lbs./gals.		lbs./gals.
	Class III		lbs./gals.		lbs./gals.
	Class IV		lbs./gals.		lbs./gals.
11	Oxidizers, other than gases				
	Class 1		lbs./gals.		lbs./gals.
	Class 2		lbs./gals.		lbs./gals.
	Class 3		lbs./gals.		lbs./gals.
	Class 4		lbs./gals.		lbs./gals.
12	Oxidizing gases				
	Gaseous		cu. ft.		cu. ft.
	Liquefied		cu. ft.		cu. ft.
13	Pyrophorics		lbs./cu.ft.		lbs./cu.ft.
	Unstable (Reactives)		lbs./cu.ft./gals.		lbs./cu.ft./gals.
14	Water Reactive Materials		lbs./gals.		lbs./gals.

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HEALTH HAZARDS					
15	Highly toxic and toxics				
	Solids		lbs.		lbs.
	Liquids		cu.ft.		cu.ft.
	Gases		gals.		gals.
16	Radioactive materials		lbs./cu.ft./gals.		lbs./cu.ft./gals.
17	Corrosives		lbs./cu.ft./gals.		lbs./cu.ft./gals.
18	Carcinogens, irritants, sensitizers, other health hazards				
			lbs./cu.ft./gals.		lbs./cu.ft./gals.

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FIRE SPRINKLER SYSTEM PERMANENT RECORD
DO NOT REMOVE FROM FILE

Date: _____	Building Permit No.: _____
Occupancy Address: _____	

Construction Type: _____ Area: _____ sq. ft.

Required fire flow with sprinklers: _____ gpm

Required fire flow without sprinklers: _____ gpm

- This building is required to be outfitted with an automatic sprinkler system designed and installed in accordance with:
 - NFPA 13-D, One- and Two-Family Dwellings and Mobile Homes, _____ Edition
 - NFPA 13-R, Multi-Family Residential Occupancies up to and Including Four Stories in Height , _____ Edition
 - NFPA 13, Installation of Automatic Sprinkler Systems, _____ Edition
 - Other (describe): _____

- This sprinkler system was installed to meet the requirement of
 - _____ Building Code, Chapter _____, _____ Edition
 - _____ Fire Code, Chapter _____, _____ Edition
 - Limited application system for special hazard, described as follows: _____

- This sprinkler system was installed as a substitute for:
 - Inadequate fire apparatus access.
 - Inadequate available fire flow.
 - Area increases per Building Code Chapter _____ requirements.
 - Height or story increases per Building Code Chapter _____ requirements.
 - One-hour fire resistive construction per Building Code Chapter _____ requirements.
 - Exit hardware requirements per Building Code Chapter _____.
 - Other item, described as follows: _____

- This sprinkler system was not required by code, and was installed at the owner's choice.