



***REQUIRED INFORMATION***  
***FOR***  
***HIGH-PILED COMBUSTIBLE STORAGE***

(Storage height greater than 12 feet)

*(See Chapter 32 of the 2018 International Fire Code and NFPA 13, 2022 Edition for specific code requirements.)*

1. **Chapter 32 of the International Fire Code. Plans and specifications submittal.** At the time of permit application, plans and specifications including the information specified in Section 3201.3 shall be submitted for review and approval. The plans shall include the following:
  - 1) Floor plan of the building showing locations and dimensions of high-piled storage areas.
  - 2) Useable storage height for each storage area, AND **Minimum Ceiling/Roof Deck Height.**
  - 3) Number of tiers within each rack, if applicable. Indicate if there is solid shelving.
  - 4) Commodity clearance between top of storage and the sprinkler deflector for each storage arrangement.
  - 5) Aisle dimensions between each storage array.
  - 6) Maximum pile volume for each storage array.
  - 7) Location and classification of commodities in accordance with Section 3203.
  - 8) Location of commodities which are banded or encapsulated.
  - 9) Location of required fire department access doors.
  - 10) Type of fire-suppression and fire-detection systems. **INCLUDE: Fire Sprinkler System: Design Density (GPM/sq.ft.), Temperature Rating of Sprinkler Heads, Sprinkler Head "K-Factor" and Minimum Sprinkler Operating Pressure.**
  - 11) Location of small hose connections, valves controlling the water supply of ceiling and in-rack sprinklers.
  - 12) Type, location and specifications of smoke-removal and curtain board systems. (Not required with ESFR Fire Sprinkler Systems.)
  - 13) Dimension and location of transverse and longitudinal flue spaces.
  - 14) Additional information regarding required design features, commodities, storage arrangement and fire-protection features within the high-piled storage area shall be provided at the time of permit, when required by the chief.

**PROVIDE ALL INFORMATION & DATA REQUESTED  
OR THE PLAN REVIEW PROCESS MAY BE DELAYED!**

**SEE OVER PAGE FOR PLAN SUBMITTAL WORKSHEET**

**RENO FIRE DEPARTMENT  
STORAGE PERMIT APPLICATION WORKSHEET**

ITEM	INFORMATION REQUIRED	INFORMATION PROVIDED
<b>1</b>	Floor Plan of entire building.	YES    NO
	a. Scalable Floor Plan of Storage Occupancy	YES    NO
	b. Dimensions of High-Piled Storage Area (Rack and/or shelving Area <u>PLUS</u> 15 feet beyond in any open direction)	Ft.    in. <u>X</u> Ft.    In. Area:                      Sq. Ft.
	c. Location of Smoke/Heat Vents (Not required with ESFR fire sprinkler systems)	YES    N/R*
	d. Location of Curtain Boards (Not required with ESFR fire sprinkler systems)	YES    N/R*
	e. Location of Fire Department Access Doors	YES    N/R*
	f. Aisle Dimension between storage arrays/racks	Ft.    in.
	g. Location of Small Hose Stations if provided.	
	h. Location of Fire Sprinkler Riser and System Control Valves	YES    NO
<b>2</b>	Minimum Height from floor to ceiling/roof deck	Ft.    in.
<b>3</b>	Maximum Storage Height	Ft.    in.
<b>4</b>	Elevation View of Storage Racks or Shelves, Number or Tiers	
	a. Solid Shelving? (Circle correct answer)	YES    NO
	b. Dimension and Location of Flue Spaces	YES    N/R*
<b>5</b>	Clearance between Top of Storage and Sprinkler Deflectors	
<b>6</b>	Location and Classification of Commodities (IFC 3203)	
	a. Class I Commodities	YES    NO
	b. Class II Commodities	YES    NO
	c. Class III Commodities	YES    NO
	d. Class IV Commodities	YES    NO
	e. High-Hazard Commodities	YES    NO
	f. Group A Plastics	YES    NO
	g. Group B Plastics	YES    NO
	h. Group C Plastics	YES    NO
<b>7</b>	Location of Commodities Banded or Encapsulated	Cu.ft.
<b>8</b>	Maximum Solid Pile/Shelf Storage Volume for each storage array	
<b>9</b>	Fire Sprinkler System Data:	
	a. Design Density, Ceiling	Gpm/ft <sup>2</sup>
	b. Temperature Rating, Ceiling Sprinkler Heads	°F
	c. K-Factor of Sprinklers (i.e.: 8.0, 11.2, 14, 16.8, 25.2, etc.)	K =
	d. Minimum Sprinkler Operating Pressure (i.e.: 15, 25, 50, 75)	Pressure =            psi
	e. In-Rack Sprinklers? (Circle correct answer)	YES    N/R*
	f. Temperature Rating, In-Rack Sprinkler Heads (If required)	°F

\*= Not required

**IMPORTANT NOTE: A response to all the above listed items must be provided in order to process your application for a High-Piled Rack or Shelving Storage Plan.**

**Please provide the appropriate information or mark a response as N/R if not required.**