



Name of Project:	
Project Address:	

If any interior portion of your building is over 500 sq ft and considered “High-Piled Combustible Storage”, you must submit plans, to the Fire Prevention office (150 S 12th Street) for review. The design shall be in accordance with Chapter 32 (Phoenix Fire Code).

DEFINITIONS:

High-piled combustible storage. Storage of combustible materials in closely packed piles or combustible materials on pallets, in racks or on shelves where the top of storage is greater than 12 feet (3658 mm) in height. Where required by the *fire code official*, *high piled combustible storage* also includes certain high-hazard commodities, such as rubber tires, Group A plastics, flammable liquids, idle pallets and similar commodities, where the top of storage is greater than 6 feet (1829 mm) in height.

High-piled storage area. An area within a building which is designated, intended, proposed or actually used for *high-piled combustible storage*, including operating aisles.

PROTECTION OF HIGH-PILED COMBUSTIBLE STORAGE AREAS:

Section 3206.2 Type of protection. Where required by Table 3206.2, fire detection systems, smoke and heat removal, and automatic sprinkler design densities shall be provided to protect the *high-piled storage area*.

Section 3206.2.1 Extent of protection. The fire safety features required in Table 3206.2 shall extend to the lesser of 15 feet (4572 mm) beyond the *high-piled storage area* or a full height wall. Where portions of *high-piled storage areas* have different fire protection requirements because of commodity, method of storage or storage height, the fire protection features required by Table 3206.2 within this area shall be based on the most restrictive design requirements.

TECHNICAL REPORTS:

Section 3206.2.2 Group F-1 and S-1 with a storage area greater than 500,000 square feet (46 451 m2). When storage areas in Group F-1 and S-1 are greater than 500,000 square feet a Technical Report prepared by an Arizona Professional shall be submitted for review and approval by the *fire code official*. Additional fire protection and/or life safety systems may be required by the *fire code official*.

Section 3206.2.3 Storage height greater than 40 feet (12 192 mm). When the designated storage height is greater than 40 feet (12 192 mm), a Technical Report shall be prepared by an Arizona Professional and shall be submitted to the Phoenix *fire code official* for approval.

FIRE SAFETY AND EVACUATION PLAN:

Section 3201.4 Fire safety and evacuation plan. Where required by the Section 403, a fire safety and evacuation plan shall be submitted at the time of permit application for review and approval. A copy of the *approved* fire safety and evacuation plan shall be maintained on the premises in an *approved* location.



HAZARDOUS MATERIALS:

Hazardous materials will not be covered under this application. 5001.5.2 A Hazardous Materials Inventory Statement (HMIS) will be required to be submitted for review separately.

If materials being stored are deemed hazardous, all hazardous materials storage shall be in accordance with Chapters 50-63.

Two sets of scaled floor plans (1/8" scale minimum) shall be provided including at least the following (Section 3201.3, 2018 Phoenix Fire Code):

- Locations and dimensions of *high-piled storage areas*.
- Sprinkler design criteria for all high piled combustible storage areas.
- Elevation plans indicating the following:
 - Usable storage height for each storage area.
 - Number of tiers within each rack.
 - Commodity clearance between top of storage and the sprinkler deflector for each storage arrangement.
- Aisle dimensions between each storage array.
- Maximum pile volume for each storage array (if not in racks).
- Description and classification of commodities in accordance with Section 3203 (2018 Phoenix Fire Code).
If high hazard, please state as well.
- Location of commodities that are banded or encapsulated. If storage is neither, please state.
- Locations, dimensions, and hardware information of required fire department access doors.
- Type of fire suppression and fire detection systems.
- Location of valves controlling the water supply of ceiling and in-rack sprinklers.
- Type, location, and specifications of smoke removal and curtain board systems.
- Dimension and location of transverse and longitudinal flue spaces.
- State if the high piled storage areas are accessible to the public or not (Table 3206.2, 2018 Phoenix Fire Code).

If any item does not apply to your high piled combustible storage arrangement, please state the reason either on your plans or a signed letter with your plan submittal.

Note: 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, where required by the *fire code official*.

Applicant - Print & Sign Name

Date