



# Pompano Beach Fire Rescue

## High Pile Storage Questionnaire



*The purpose of this questionnaire is to assist the Fire Prevention Division in determining the Fire Code requirements for the storage of “High-Piled Combustible Storage” at your facility. These requirements will be based on the latest adopted Florida Fire Prevention Code 2004 Edition, Broward County Amendments and the applicable NFPA Standards. The following information should be completed and signed by a person qualified to answer these questions correctly. This may include: Architect, Owner, Fire Suppression System Designer or Fire Protection Engineer. Complete plans, which clearly indicate what your warehouse facility will look like, and how all storage, will be stored, must also be submitted with this questionnaire*

If you need assistance with this questionnaire, **PLEASE** see the attached information sheets which will assist you on each required item listed on this form.

The P.B.F.R. must have this necessary information, along with applicable drawings, submitted for our review during the plan review process before a permit from the Building Department can be issued.

These plans must include, but not limited to, the following:

- Floor plan of the building showing the locations and dimensions of high-piled storage areas.
- Useable storage height for each storage area.
- Number of tiers within each rack, if applicable.
- Commodity clearance between the top of storage and the sprinkler deflector for each storage arrangement.
- Aisle dimensions between each storage array.
- Maximum pile volume for each storage array.
- Location and classifications of commodities in accordance with NFPA 13 and NFPA 230.
- Location of commodities which are banded or encapsulated.
- Location of all required fire department access doors.
- Type of fire-suppression and fire-detection systems. **Include design density of existing system.**
- Type, location and specification of the smoke removal and curtain board systems.
- Dimensions and locations of all transverse and longitudinal flue spaces.
- A site plan showing all access routes and roadways, and how the Fire Department is meant to access the structure.
- Show how the interior of the building will be accessed by the firefighters, and where all outside keyed entry doors are located.
- Additional information regarding design features, commodities, storage arrangements and fire-protection features within the high-piled storage area shall be provided at the time of construction plan review for building permits.





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### Instructions for Completion of the Questionnaire for HIGH-PILED COMBUSTIBLE STORAGE

**Explanation of requested information:** The information on this questionnaire is *vital*, and is required for a full plan review. Without the correct submittal information, we will NOT be able to provide you with a full construction plan review. We THANK YOU for your assistance.

#### **BUSINESS NAME**

Please provide the name of the tenant/business which will be occupying the space intended for stocking of high-piled combustible materials.

#### **BUSINESS ADDRESS**

The correct and complete address must be provided to insure we correctly track your plans. Contact the Regional Building Department Enumerator if you need assistance.

#### **BUSINESS PHONE NUMBER**

Please provide at least one daytime phone number that we can use to contact you at your business. If you can, include a fax number and a secondary number if possible.

#### **CITY OF POMPANO BEACH PLAN REVIEW NUMBER**

This number is used by us to track your plans. All projects reviewed by our Fire Department will be assigned one. This is a very important number for you to know and have available when contacting us. In the early stages of some projects, there may not such a number assigned to your project. In these cases we will utilize the City's Development Services Plan Number for tracking all plans.

#### **COMMODITY CLASS**

By utilizing the listings of the commodity classifications, (NFPA 13) please provide us with the correct determination that best describes the commodity classifications of the high piled items. Adequate information must accompany the submitted plans to insure the Fire Department will be able to verifying the commodity classification(s) are accurate.

#### **DESCRIPTION OF STORAGE**

Provide an accurate and detailed description of all storage which will be kept within the warehouse. Classify these items into the commodity classifications the items would fall into, and also provide us with adequate documentation to substantiate your determination.

#### **MAXIMUM HEIGHT OF STORAGE**

Provide us with the maximum height(s) of any storage within the warehouse (in feet) from the floor level to the TOP of your stored items.

#### **CLEAR CEILING HEIGHT FROM FLOOR TO BOTTOM OF ROOF DECK**

We need the height of the warehouse as measured from the finished floor level (FFL) to the bottom of the roof decking.

#### **CLEAR HEIGHT TO BOTTOM OF STRUCTURAL SUPPORTS FOR ROOF**

We need the height from the finished floor level (FFL) to the bottom of the structural supports of the roof decking. This will be at the bottom of the roof joists, twin "T's", rafters. etc.

#### **METHOD OF RACK STORAGE**

Provide us with the method(s) in which you plan on storing, and indicate all that may apply. A lot of customers also include the actual specification sheet(s), pictures, and information from the manufacture supplying the racks, which is very helpful to us.



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### **RACK INFORMATION – This information must be detailed, and exact.**

- **TYPE OF RACKS** - We need to know if the racks will be made of steel or wood, solid shelves or slatted, portable or fixed racks, etc. Your rack supplier will be able to assist you in this, and will be the contact for the detailed specification sheets you will need to provide us in your submittal packet along with your plans.
- **HEIGHT OF RACKS** - How high will the racks be? Are the racks going to be 15 feet high in one area and 35 feet in another? Provide good details and specification sheets from your supplier, with your submittals.
- **DEPTH OF RACKS** - How deep will your racks be from the front aisle to the rear of the rack.
- **WIDTH OF RACKS** - How wide are the racks going to be from side to side.
- **AISLE WIDTH BETWEEN RACKS** – We need the aisle width you will be providing. If some areas will be 4ft wide, while other areas will be 8ft wide, this type of information is critical for us to know. **BROWARD ADMENDMENTS** provides the **MINIMUM** aisle width requirements.
- **LONGITUDINAL and TRANSVERSE FLUE SPACES** - Provide the flue space measurements for both *longitudinal and transverse* areas of your racking systems.

### **SMOKE REMOVAL & VENT SYSTEMS**

BROWARD ADMENDMENTS, indicates the requirements for mechanical smoke removal systems and/or smoke vents. Broward Amendments must be reviewed to determine how many vents will be needed, and the exact spacing of the vents within your given facility.

### **DRAFT CURTAINS**

Once again refer to the BROWARD ADMENDMENTS, will spell out the requirements necessary for your warehouse facility.

### **WILL THIS BUILDING BE FIRE SPRINKLERED THROUGHOUT?**

Refer to BROWARD ADMENDMENTS and the Florida Fire Prevention Code for requirements on when sprinklers are required for storage spaces depending on size and height of storage.