



TOWN OF ISLIP
DEPARTMENT OF PLANNING AND DEVELOPMENT
Building Division

High Pile / Rack Questionnaire

The purpose of this questionnaire is to assist the Town of Islip Building Plans Examiners in determining the Fire Code requirements for your building or tenant space. The requirements are based on the 2017 NYSUC, 2017 NYSUC Supplement, reference standard 2015 IFC 3rd printing Chapter 32 as amended and applicable standards such as NFPA 13 2010. The following information should be completed and signed by a person qualified to answer these questions correctly. This may include the architect, fire suppression system designer, or fire protection engineer. Complete code compliance plans that indicate how your warehouse or store will be designed as per above reference standards, including how all storage will be stocked or maintained must be submitted with this questionnaire. This questionnaire contains 3 pages.

Business Name _____

Business Address _____
Street City Zip Code

Business Phone Number () _____

Business Fax Number () _____

Commodity Information:

*Commodity Class: _____ Source: _____

2015 IFC NFPA (13-2010)

*Will you be storing plastics? Yes No If yes, please fill out the following section:

1. Group A Group B Group C

2. Percentage of Plastic in Storage: _____ %

3. Is the Plastic: Expanded Non-Expanded Free Flowing

4. How is the plastic packaged: Exposed Cartoned

5. How is the plastic piled: Stable Unstable

Aerosols to comply Chapters 51 & 50 2015 IFC & NFPA 30B 2015 Yes No

*Provide commodity classification list

Height Information:

1. Maximum Storage Height Possible by Building Design: _____ Feet

2. Clear Ceiling Height – Floor to Bottom of Roof Deck: _____ Feet

3. Clear Height – Floor to Bottom of Structural Supports for Roof: _____ Feet

4. Commodity clearance between top of storage and the sprinkler deflector _____ Feet

***Method of Storage – Check all that Apply:**

- Encapsulated in Plastic Non-Encapsulated Wooden Pallets Plastic Pallets
- On Racks With Solid Shelves On Racks Without Solid Shelves Bin Box
- Solid Pile Movable Racks Automated Racking – Carousel Storage Record Storage
- Other _____ Other _____

*Provide rack details

Provide the Following Data

- *Type of Racks: Single Row Double Row Multiple Row
- Height of Racks: _____ Feet Depth of Racks: _____ Feet Width of Racks: _____ Feet
- Aisle Width Between Racks: _____ Feet
- Size of Longitudinal Flue Space: _____ Inches
- Size of Transverse Flue Space: _____ Inches

*Provide rack details

Storage Areas:

- Gross Square Footage of Entire building or Tenant Space: _____
- Gross Square Footage of High-Pilled Storage Areas Only: _____
- Gross Square Footage of High-Pilled Storage Areas Only: _____
- Gross Square Footage of High-Pilled Storage Areas Only: _____

Is the Facility Sprinkled Throughout? Yes No

Is a Smoke Detection System Required or Provided? Yes No

*Area Access Roadways to within 150 Feet of All Portions of the Exterior Walls? Yes No

*Are Access Doors Provided Every 100 Lineal Ft on All Exterior Walls? Yes No

Are Keyed Access Locks for Fire Dept. Emergency Entry provided on All Exterior Doors? Yes No

Are Draft Curtains Required? Yes No

Is Mechanical Smoke Removal Required? Yes No

*Provide Site Plan

High-Piled/Rack Combustible Storage

(Reference 2015 IFC 3rd printing as amended Chapter 32)

Complete a Separate form for each storage array.

Location on Plan: _____

Commodity & Packaging Description (Ref. 2015 IFC 3203): _____

Class: _____ Plastic Group:** _____ Mixed Separated

Building Fire Sprinklered

Yes No If yes, provide system design information. System installed (approx. date): _____

Fire Sprinkler Spacing (ft/2): _____, Design Density (ft/2) _____, Design Area (ft/2) _____.

Storage Type/Method

Solid Piled _____% Palletized _____% Rack _____% Shelf _____%

Bin Boxes _____% Compartmented Locations addressed and dimensioned on plans

Rack

Single Row Double Row Multiple Row Open Shelve Solid Shelve Movable

Portable Carousel Horizontal Barriers Column protection required (Supporting walls & inside)

Flue Spacing in Inches: Longitudinal: _____ Transverse: _____ (Ref. 3208.3 2015 IFC)

Storage Aids

Pallet, type: Conventional Slave Wood Plastic Encapsulated

Banded Solid Pile, Type: Pallet Dunnage Separator Skids

Other: _____

Pile

Closed Array Open Array Stable Unstable

Pile Dimensions: _____ Pile Heights: _____ Pile Separation: _____ Ft. (Ref. IFC 3207)

Paper

Records Role On-End Flat Arrays Closed Open

Standard Heavyweight Lightweight Tissue Banded Other: _____

Roof Support

Construction Details: _____

Maximum Available Storage Height: _____ Ft. _____ in., Smoke/Heat Vents, Draft Curtains Available

(If separated with more than one design, address each commodity separately with another sheet).

Minimum Aisle Width: _____ Modified densities for storage height (NFPA 13-2010)

Incorporating ESFR's Aggregate Area (ft/2) of High Pile Storage (Ref.2015 IFC 3206.2) + 15'-0" or 1- Hour Walls: _____ ft/2.

Opening(s) in separation walls (Ref. 2015 IFC 3206.3.2.1 With Protected Openings) YES NO

Building Requirements

Requires Building Access (2015 IFC 3206.6) Requires Smoke Heat Vents (2015 IFC 910)