

# Marietta Fire Department

<p><b>Fire Marshal's Office</b></p>  <p><b>Plan Review</b></p>	<p><b>Commodity Protection Assessment &amp; Commodity Arrangement Plan<sup>1</sup></b></p> <p>Job Name: _____</p> <p>Address: _____ Bldg: _____ Suite: _____</p> <p>City: _____ Zip: _____</p> <p>Responsible Party: _____ Phone: _____</p> <p>Email: _____ Bldg Permit #: _____</p> <p><b>GENERAL BUILDING INFORMATION:</b></p> <p>Building Construction Type: Type IA <input type="checkbox"/> Type IB <input type="checkbox"/> Type IIA <input type="checkbox"/> Type IIB <input type="checkbox"/>          Type IIIA <input type="checkbox"/> Type IIIB <input type="checkbox"/> Type IV <input type="checkbox"/> Type VA <input type="checkbox"/> Type VB <input type="checkbox"/>          Fire Sprinkler System Present Y <input type="checkbox"/> N <input type="checkbox"/> Fire Alarm System Present Y <input type="checkbox"/> N <input type="checkbox"/></p>
<p>Tenants/Owners for all Storage Occupancies and Storage use areas must submit a Storage Commodity Description Letter and Commodity Arrangement Plans. Additional items will be required where the building or space is protected with a fire sprinkler system. The applicable sections for sprinkled buildings are indicated below.</p> <p>It is important to provide accurate information for the proposed commodities and the arrangement of the storage to apply the most appropriate provisions of the fire codes.</p> <p>By signing below I have acknowledged that I have provided all the required documents and the information provided is accurate to the best of my ability.</p> <p>Print Name: _____ Signature: _____ Date: _____</p> <p style="text-align: right;">✓ = Pass, X = Fail, NA = Not applicable</p>	
<b>Status</b>	
<b>STORAGE COMMODITY DESCRIPTION<sup>2,3</sup> (in accordance with NFPA 101, 6.2.1.2)</b>	
1) Description must identify all commodities being stored in the building/warehouse	
2) Description must identify whether any hazardous materials will be stored	
3) Hazardous materials information must include: Material Safety Data Sheets, maximum quantities, and the classification of the material (i.e. flammable liquid, toxic gas, or oxidizer)	
<b>COMMODITY ARRANGEMENT PLANS<sup>2</sup> (IFC, 2012 edition, 3201.3)</b>	
4) Plans must show the storage arrays (how the commodity is stored) to include but limited to the following: racks, pallets, shelves, bulk storage, or bin boxes	
5) Plans must be scaled or dimensions must be provided to indicate the width between storage arrays, the length of storage arrays, and the height to the top of storage	
6) Indicate the floor to ceiling or floor to ceiling heights	
7) Indicate the slope/pitch of the roof	
8) Indicate the location of High Volume Low Speed fans where provided	
<b>THE FOLLOWING SECTIONS ARE APPLICABLE TO BUILDINGS WITH A FIRE SPRINKLER SYSTEM</b>	
<b>STORAGE HEIGHT OF COMMODITIES<sup>2</sup></b>	
9) Indicate Yes or No if the storage height to the top of any commodity will be 12 feet or more	Y <input type="checkbox"/> N <input type="checkbox"/>
10) Indicate Yes or No if the storage height of any plastics will be 5 feet or more	Y <input type="checkbox"/> N <input type="checkbox"/>
<b>NOTE:</b> If the storage of commodities will NOT exceed 12 feet or the storage of plastics will not exceed 5 feet the sections below will not be applicable. Complete the sections below if you answered YES to #9 or #10	
<b>SPECIAL MATERIALS (indicate Yes or No where any of the following will be present)<sup>2</sup></b>	
11) Flammable or combustible liquids	Y <input type="checkbox"/> N <input type="checkbox"/>
12) Aerosol products	Y <input type="checkbox"/> N <input type="checkbox"/>
13) Nitrate film	Y <input type="checkbox"/> N <input type="checkbox"/>
14) Pyroxylin plastics	Y <input type="checkbox"/> N <input type="checkbox"/>
15) Compressed or liquefied gasses	Y <input type="checkbox"/> N <input type="checkbox"/>
16) Liquid or solid oxidizers	Y <input type="checkbox"/> N <input type="checkbox"/>
17) Organic peroxide formulations	Y <input type="checkbox"/> N <input type="checkbox"/>
18) Tires (must show the orientation of the tire storage)	Y <input type="checkbox"/> N <input type="checkbox"/>
19) Foams (indicate the type of foam)	Y <input type="checkbox"/> N <input type="checkbox"/>
20) Plastics (indicate the type of plastic where stored over 5 feet; i.e. polyvinyl chloride (PVC))	Y <input type="checkbox"/> N <input type="checkbox"/>
<b>COMMODITY PACKAGING DESCRIPTION<sup>2</sup></b>	

21) Identify how each commodity is packaged (i.e. cardboard box, palletized, crate, plastic crate/box)	
22) Indicate the type of pallet utilized (i.e. wood or plastic)	
23) Identify the packing material for each commodity (i.e. packing peanuts, cardboard, Styrofoam)	
24) Indicate commodity stored on the pallets as encapsulated, not encapsulated, or banded	
25) Idle pallets (indicate location and height of idle pallets on the plan where provided)	
<b>STORAGE RACK DETAILS (WHERE PROVIDED)<sup>2</sup></b>	
26) Provide a cross section drawing of the racks with the width and the height indicated on the drawing. The rack plan must also indicate whether single, double row, or multi-row racks will be used	
27) Indicate shelving type: solid, mesh, or none	
28) Indicate dimensions of the flue spaces in the racks (horizontal and longitudinal)	
<b>SPRINKLER ASSESSMENT LETTER<sup>4</sup></b>	
29) Indicate the commodity classification per NFPA 13 based on the information provided, both here and in the Owner's Information Certificate (OIC) [Chapter 5]	
30) Indicate the required sprinkler design density, the appropriate code sections and tables must be referenced	
31) Indicate whether the existing sprinkler system design meets or exceeds the required sprinkler design density, the existing design information must be provided (can be obtained from the hydraulic placard)	
32) Provide recommendations for code compliance where the existing sprinkler system does not meet the required sprinkler design density	

<sup>1</sup>The above is not an all-inclusive list, all applicable fire and life safety provisions must be met.

<sup>2</sup>The Tenant/Owner is responsible for completing this section. A Fire Protection Professional can assist the Tenant/Owner with completing this form

<sup>3</sup>The storage of hazardous materials exceeding the maximum allowable quantities (MAQ) is outside the scope of this checklist. Additional items are required of hazardous materials exceeding the MAQ's.

<sup>4</sup>The Fire Protection Professional (fire sprinkler contractor or fire protection engineer) must provide a Sprinkler Assessment Letter. In some cases a report from a FPE may be required.

Notes: \_\_\_\_\_  
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Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

J's Storage and Warehousing  
1234 Marietta Street, Suite A  
Marietta, GA 30060

Dear [Fire Sprinkler Professional or Fire Protection Engineer],

The facility we occupy is protected by a fire sprinkler system, and our company plans to modify the arrangement of storage in the warehouse by....[state planned arrangement, and intended maximum height of the storage]. The building has [24-foot ceilings, with web metal trusses; a flat metal deck roof...]

We currently have [ceramic parts packaged in wooden crates with natural fibrous packing].

I am attaching a National Fire Protection Association (NFPA) 13, Owner's Information Certificate, and the Marietta Fire Department Commodity Protection Assessment and Arrangement Plan Checklist.

Please provide us a sprinkler system assessment, and letter of compliance for this improved arrangement plan. The local Fire Marshal's Office requires the following:

1. The commodity classification from NFPA 13
2. The required sprinkler design density based on the proposed improvements, with table references
3. Indicate whether the existing sprinkler system design meets or exceeds the required sprinkler design density, the existing design information must be provided
4. Recommendations for code compliance where the existing sprinkler system does not meet the required sprinkler design density.

Sincerely,

John Q Public,  
Owner