



July 11, 2008

MEMORANDUM

Bulletin G-11-08

To: All Permit Applicants

From: Thomas H. Goldsbury, P.E., C.B.O., LEED AP
Chief, Building Inspection Division

Subject: **Permit Requirements for High Rack Storage**

As you are aware, high rack storage systems present special challenges with regard to sprinkler and egress requirements. This bulletin is to remind all contractors, architects and engineers that all high rack storage systems not shown on the plans for an active building permit must be permitted and inspected as a stand alone permit. Submitted drawings must reflect sprinkler requirements, emergency and exit lighting as well as alarm requirements and locations. A life safety floor plan indicating travel distances, path of egress and overall layout is also required along with erection plans of the equipment.

Plan review for high rack combustible storage includes the following:

1. Floor Plan of the building showing locations and dimensions of high-piled storage areas.
2. Usable storage height for each storage area.
3. Number of tiers within each rack, if applicable.
4. Aisle dimensions between each storage array.
5. Maximum pile volume for each storage array.
6. Location and classification of commodities
7. Commodity clearance between top of storage and the sprinkler deflector for each arrangement.
8. Location of commodities which are banded or encapsulated.
9. Location of required fire department access doors.
10. Type of suppression and fire detection system.
11. Location of valves controlling the water supply of ceiling and in-rack sprinklers.
12. Type, location and specifications of smoke removal and curtain board systems