



Plan Review Requirements for Storage Rack Systems

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Storage Rack System Installation or Modification Instructions

1. All relevant code data including, but not limited to, code design information, IBC use designation of the structure, building construction classification, seismic design category, and soil classification;
2. Egress plan indicating exit door location, exit path travel distances, exit signage locations, emergency lighting locations, fire extinguisher locations and fire alarm device locations;
3. Floor plan of storage rack layout indicating separation distances of racks, height of racks, storage tier heights, and dimensions of all of these items;
4. Structural calculations of the floor where the racks are to be placed indicating the ability of the floor to support the imposed loads;
5. Storage rack anchoring details;
6. Manufacturer's cuts/specs for the racking system components and listings;
7. Information as to how the building columns located within the storage rack system will be protected in a code compliant manner;
8. Electrical plans showing the exit/emergency lighting locations, electrical panel schedules for the exit emergency lighting circuits, wiring diagram, and wire size information;
9. Complete existing sprinkler system analysis information based on the storage commodity classification, top of storage height, separation distance of the racks, and in rack/ceiling or ceiling only sprinkler heads.
 - a. As needed, complete sprinkler system modification shop plans, hydraulic calculations, and system component cuts;
10. As necessary (if existing fire alarm system affected by storage racks), complete fire alarm system shop plans, battery and voltage drop calculations, and system component cuts;
11. As necessary (if Seismic Design Category is a D, E, or F), all seismic restraint information and details, along with all of the Special Inspection information as outlined within NJ 2009 IBC 1707.5.

All of the above shall be submitted in triplicate (3), signed and sealed by a NJ Registered Architect and/or NJ Licensed Professional Engineer accompanied by an NJSEA Project Review Application, associated fees, and copies of the UCC subcode permit technical forms (building, fire, electrical) stamped in by the local construction department office