



City of Pontiac

Division of Building Safety

47450 Woodward Ave. - 1st Floor

Pontiac, Michigan 48342

Phone: 248-758-2800

http://www.pontiac.mi.us/departments/community_development/building_and_safety.php

Sprinkler Plan Review Checklist

Sprinkler Plan Reviews are based on the NFPA 13, 13D or 13R standard as referenced by the Michigan Building, Mechanical, Plumbing, and Electrical Codes. In order to perform a thorough Sprinkler Plan Review, the following items should be submitted:

- Complete signed and sealed (as required by applicable laws) plans and specifications for the sprinkler system and related equipment.
- Description and locations of uses within the building and corresponding occupancy class for each room or area.
- Location and size of all concealed spaces, closets, attics and bathrooms.
- Details of occupancies utilized for high-piled storage including commodity types and storage arrangement.
- Design details in accordance with the appropriate sprinkler system standard (i.e., NFPA 13, 13D, 13R) as referenced by the IBC and all other applicable design standards (NFPA 14, NFPA 20, NFPA 24, etc.)
- Design calculations indicating the discharge requirements of the sprinkler system including the design density, area of application, and inside/outside hose stream demand for each occupancy.
- Results of a current flow test indicating the location, date and witness of the test.
- Site plan indicating the overall water supply source and arrangement.
- Working drawings indicating all pipe sizes and the spacing between branch lines and sprinklers on the branch line. Hydraulic reference points on the drawings correlated with the hydraulic calculations.
- Make, model, type, temperature rating and k-factor for all sprinklers. Total number of sprinklers on each floor and for each system.
- Full height section views and location of all interior partitions, fire barriers, fire partitions, fire walls and horizontal assemblies.
- Material specifications and equipment specifications for all sprinkler system components including type of sprinkler pipe(s), pipe fittings, control valves, check valves, dry pipe valves, test connections, pipe hangers, backflow preventers, fire department connections, and alarm bells. All materials used should be verified that they are installed in accordance with their listing.