



AUBURN HILLS FIRE DEPARTMENT



Fire Suppression Submittal Checklist

- Four sets of complete drawings and calculations must be submitted. Fees will be assessed in approval letter.
- System must be designed utilizing a minimum 10 psi pressure below available supply.
- Plans must be to scale and clearly show work to be done including a detailed scope of work.
- Plans must show the job name and complete address.
- All plans must have the contractors name, address, and phone number.
- The specific type and quantity of sprinklers must be provided on every page.
- Design details in accordance with applicable standard as referenced by the Michigan Building Code and/or other applicable codes.
- Occupancy class and use of each area or room shall be shown.
- Catalog cut sheets for all equipment including sprinklers, valves, etc. must be included and highlighted.
- Fire hydrant flow test information must be dated and less than 1 year old.
- Hydraulic calculations must clearly show the friction lost for the backflow preventer and include a graph curve sheet.
- All hydraulic node points must be clearly shown on the drawings and match the calculations.
- All ceiling information including soffits, heights, construction type, slope, etc. must be shown and noted with the cross section detailed on the plans.
- For existing systems enough of the existing system must be shown or detailed so thorough review can be completed.
- Specific code sections and storage information must be provided for all design densities over an Ordinary Group II.
- Provide a scaled site plan indicating North and clearly showing the building fire department connection and fire hydrant locations.

Inspection requirements

- AHFD must witness hydrostatic test. Contact AHFD 48 hours prior to test. Contractor's material and test certificate must be provided
- Contractor must schedule a piping inspection prior to installation of ceilings, or the enclosure of concealed spaces 48 hours prior.
- No on-site work will be allowed without first obtaining a permit unless expressed permission has been given by this department
- All fees must be paid prior to final suppression inspection and subsequent approval.
- Cutouts shall be made available at time of inspection.