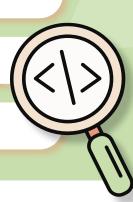
The Performance-Based Design Process

Performance-based design (PBD) leverages engineering tools to develop fire protection solutions in buildings. Since there is no one-size-fits-all approach to buildings, strictly adhering to prescriptive codes isn't always the best option. PBD proves you can design a solution to overcome any challenge without sacrifcing fire protection or life safety for occupants. Below is a general overview of the PBD process.

PRE-ANALYSIS STAGE \longrightarrow

- Hold an initial consultation to understand the situation.
- Assess the prescriptive means of code compliance.
- Determine the technical basis of a PBD approach.
- Discuss potential implications with the design team.



ANALYSIS STAGE \longrightarrow

- Prepare letter of intent for AHJ approval of PBD approach.
- Prepare and review design brief with AHJ.
- Prepare a fire and egress model and run simulations.
- Evaluate the results and relay design requirements to the team.



POST-ANALYSIS STAGE \longrightarrow

- Prepare the final PBD report.
- Respond to any final comments from stakeholders and AHJ.
- Obtain final approval, including a sign-off of the approach and basis.
- Review design documents to ensure proper PBD implementation.



