



## Engineering/Design Capabilities

# Code Consulting

Evergreen Engineering understands the intent of IBC/IFC family of codes. We have extensive knowledge of the older editions of UBC and BOCA codes as well. Therefore, we can evaluate existing facilities and forecast future expansion capabilities or any required upgrades. We also help identify cost-effective code compliance paths during design or construction phases of new facilities.

### **Building Compliance**

- Occupancy Classifications
- Extensive “H” Occupancy Experience in Multiple Jurisdictions
- Allowable Areas & Fire Separations
- Building Adjacency & Separation Requirements
- High Rise Buildings
- Assembly Occupancies
- OSHA & NFPA Regulations
- Accessibility

### **Hazardous Materials Storage & Handling**

- Material Classification
- Storage, Use, and Transportation
- Managing Control Areas in Non-Hazardous Occupancies
- Hazardous Chemical & Gas Piping Systems
- HPM Storage and Dispensing Rooms
- Hazardous Materials Management Program
- Hazardous Materials Inventory Statement
- Explosion Control
- Incompatible Separation

### **Permitting**

- Liaison with Code Authorities during Plan Review
- Extensive “Alternate Means and Methods” (AM&M) Experience
- Application and Interpretation of “Grandfather” Rules for Older Facilities

### **Mechanical HVAC Systems**

- HVAC Systems
- Exhaust and Treatment Systems
- Boiler Room & Piping Design
- Chillers-Refrigeration System Design
- Smoke Control & Removal
- Heat & Smoke Venting

### **Electrical Systems**

- Emergency Power Systems
- Emergency Shut-offs
- Classified Electrical Systems

### **Life Safety Alarm & Monitoring Systems**

- Emergency Control Stations
- Alarm & Monitoring Systems
- Toxic Gas Monitoring
- HPM Alarms
- Evacuation Alarms
- Sprinkler Alarms