Harris County

Fire Alarm Plans and Documents Submittal Requirements

Comply with 2012 IFC (sections 907.1.1 & 907.1.2) and 2013 NFPA 72

(Fire Alarm Plans will be reviewed based on these requirements)

- Drawings must be Stamped/signed/dated by an A.P.S w/ company name, phone number and address and must certify plans meet applicable code and standards. A.P.S. must be registered in the State of Texas. And/or Texas Registered Engineer
- Name of owner and/or occupant per Harris County permit
- Location, including correct street address (HC permit & plan addresses must match
- Site Plan showing all Bldgs. on site w/ point of compass indicating north, showing location of the FACP (if in another suite/ building)
- Location of Fire Alarm Control Panel, transponders, power supplies
- Name , address, and phone number of the Fire Alarm installing company
- Fire Code Bldg. permit and project numbers must be included
- Harris County approved fire code review sheet and approved fire code finished floor plans, if plans went only through express fire code the only the approved floor plans needed
- Detailed Scope of Work
- Floor plans w/ all rooms labeled (floor plans must match the approved fire code floor plan)
- Common Architect scale (matching door openings)
- Location of audible, visuals and audible/visual devices w/ candela ratings
- Riser Diagram
- Zoned NAC circuit (numbered) layouts w/ gauge wire being used
- Battery Calculations
- “End of Line” Voltage Drop calculations (beginning at 20.4 w/ gauge of wire being used)
- Manufactures Spec sheets
- Details of Ceiling heights and construction type (any pocket depths)
- Detailed Sequence of Operation and/ or Matrix, include UL approved Monitoring, must be on floor plans w/ an APS stamp
- Surge protection per NFPA 70 & 907.6.2.1 “Surge protection shall be provided on all fire alarm related components including but not limited to (signal line circuit, notification appliance circuits, telephone lines, A/C power connections) & fire alarm circuits extending beyond boundaries of a bldg. to a connecting bldg.
- Large projects that have approved MEP plans, shall have a copy of the MEP sheets included with Fire Alarm plans to confirm correct design of Fire Alarm plans concerning the “Smoke Detection for the Air Duct System” must comply with 2012 International Mechanical Code and NFPA 72 sec. 17.7.5.4.2, show actual location of the duct detector on the floor plans
- FACP Monitoring must comply with sec. 907.6.5 “Alarms, supervisory and trouble signals shall be transmitted to an approved supervising station & each signal shall identify the building, room and location of the specific device that was initiated or activated. When approved by the County Fire Code Official, a performance based alternative may be approved”