

TRAVIS COUNTY ESD No. 12 FIRE ALARM NOTES

PLACE THE FOLLOWING NOTES VERBATIM ON THE PLAN:

- 1) The fire alarm plan shall be approved by Travis County ESD No. 12 prior to the installation of any fire alarm components.
- 2) The approved fire alarm plan shall be on site at all times for Travis County ESD No. 12 inspections. The Travis County ESD No. 12 inspector will not perform the fire alarm inspection without the Travis County ESD No. 12 approved fire alarm plan.
- 3) The scope of work shall be tested by the installer prior to the Travis County ESD No. 12 inspection to determine the system functions properly as approved and meets all applicable code requirements. Proof of the system pre-test may be requested by the Travis County ESD No. 12 inspector.
- 4) For extremely large systems, Travis County ESD No. 12 may require the installing contractor to provide a written certification by a different third-party licensed contractor, to verify all or specific portions of the system function as approved on the plan.
- 5) After final inspection, the Travis County ESD No. 12 approved fire alarm plan and maintenance instructions shall be given to a representative of the occupying business. The approved fire alarm plan shall be kept at the main fire alarm control panel in a secure document box.
- 6) Written records and reports of the alarm system testing frequencies and results shall be available for review on the premises for the Travis County ESD No. 12 inspector during inspections.
- 7) Testing and service personnel shall be qualified and experienced per NFPA 72.
- 8) The general contractor and the sprinkler contractor shall be present during the fire alarm final inspection.
- 9) The room containing the main fire alarm control panel shall be in a room that is accessible from the exterior of the building. The room shall be appropriately labeled. Refer to the Travis County ESD No. 12 website for signage requirements.
- 10) A 24-hour emergency response phone number shall be permanently posted at the fire alarm control panel.
- 11) The alarm system circuit breaker power disconnect shall be accessible to only authorized personnel and marked red or as "fire alarm." The electrical panel housing the circuit breaker shall be in a secure room and the circuit breaker shall be marked in red and locked in the open position.
- 12) Storage batteries shall be marked with the month and year of manufacture per 2013 NFPA 72 10.6.10.1.1.
- 13) The batteries shall be able to run the system in stand-by mode for 24 hours without building power in a non-alarm condition, and then immediately be able to operate all devices for 5 minutes (15 minutes for voice evacuation systems) per 2013 NFPA 72 10.6.7.2.1
- 14) A battery charger fail shall be detected as a trouble signal.
- 15) An alarm signal shall occur within 10 seconds after initiating device activations. The alarm signals shall be audibly distinctive from all other different types of audible systems or alarms.
- 16) Alarm signals shall be a three-pulse temporal pattern.
- 17) When more than two visual notification devices are located within the same room or area or adjacent space within the field of view, they shall be synchronized per NFPA 72.
- 18) Manual pull station key(s) should be placed in the main FACP box or sprinkler head box.
- 19) When tied to the main fire alarm panel, duct detectors shall cause a supervisory signal at the alarm panel and the central station monitoring agency.
- 20) Duct detectors shall be required on any single AHU with an air exchange of 2000 cfm or greater or when the co-mingled air of multiple units totals at least 2000 cfm. Contact Travis County ESD No. 12 for coverage requirements if RTU/MAU's are present.
- 21) The FACP shall be protected with a smoke detector.
- 22) If the building is equipped with a fire sprinkler system, the FACP or a fully functioning annunciator shall be in the sprinkler riser room.
- 23) The fire alarm system shall report to the monitoring center with the device type and **specific** location. The fire alarm system shall identify the specific initiating device type, specific location in the building (ex. outside room 203), floor level if applicable, and alarm status at the main fire alarm control panel.
- 24) A minimum of one weatherproof horn/strobe will be required on the exterior of the building. This device shall be a minimum of 75 cd. Additional horn/strobes may be required and the locations of the horn/strobes will be determined during the plan review process.
- 25) The waterflow alarm signal shall not be able to be silenced while the water is flowing and shall be connected to the service panel on an uninterruptible house circuit.
- 26) Waterflow switches shall be provided on the fire sprinkler riser on every floor of a multi-story building. Each waterflow switch shall report to the FACP to indicate the location (floor) of the waterflow activation, as required by Travis County ESD No. 12.
- 27) The activation of all sprinkler valve tamper switches shall cause a supervisory signal.
- 28) If building is equipped with sprinklers in the elevator shaft, the shunt trip shall be monitored.
- 29) Where a building fire alarm system is installed, automatic fire-extinguishing systems shall be monitored by the building fire alarm system.

- 30) Carbon monoxide signals shall be a four-pulse temporal pattern. If deemed necessary by the specific application, a separate sheet of the alarm plans shall be dedicated specifically to the location of carbon monoxide detectors and the subsequent monitoring of specific appliances and devices.
- 31) The following must be completed by the designer prior to copying on the plans. List the number of all total devices proposed only for this specific job.

This scope of work only covers the following quantity of devices:				
List the number of initiating devices below:			List the number of other devices below:	
<u>Detectors</u> New: Relocated: Replaced:	<u>Duct Detectors</u> New: Relocated: Replaced:	<u>Manual Pull</u> New: Relocated: Replaced:	<u>Tamper/Waterflow</u> New: Relocated: Replaced:	<u>Fire Alarm Control Panel</u> New: Relocated: Replaced:
List the number of notification devices below:			Dialer Replaced? Yes No Extinguishing system? Yes No	
<u>Horns/Strobes</u> New: Relocated: Replaced:				

- 32) Approval of this plan submittal does not constitute a verification of all data, codes, information and calculations supplied by the applicant. The licensed designer and/or professional engineer of record is solely responsible for the completeness, accuracy, and adequacy of the submittal whether or not the plan submittal is reviewed and approved for code compliance by Travis County ESD No. 12.