



Travis County ESD No. 12

11200 Gregg Lane
Manor, Texas 78653
(512) 272-4502
FirePrevention@tcesd12.com



BUILDING SUBMITTAL REQUIREMENTS

TCESD No. 12 is governed by the 2015 International Fire Code as amended and adopted. The submittal shall conform to that, and the most current editions of the IBC, IMC, IEC, and IRC. The use of newer editions of code references is acceptable as long as the design meets or exceeds the requirements of the current adopted editions.

THE INFORMATION IN THIS DOCUMENT IS NOT ALL INCLUSIVE OF POSSIBLE ITEMS REQUIRED PER CODE. IT IS THE RESPONSIBILITY OF THE DESIGNER AND SUBMITTING CONTRACTOR TO INCLUDE ALL THE PERTINENT INFORMATION NOT MENTIONED IN THIS DOCUMENT.

REQUESTS FOR BUILDING INSPECTIONS WILL ONLY BE ACCEPTED FROM THE GENERAL CONTRACTOR.

- The building plan shall be approved by TCESD No. 12 prior to the installation of any building or architectural components.
- The approved building plan shall be on site at all times for TCESD No. 12 inspections. The TCESD No. 12 inspector will not perform the building inspection without the TCESD No. 12 approved building plan.
- The cover page shall include:
 - Name of the project
 - Address of the project
 - Vicinity map
 - Scope of work
 - Travis County ESD No. 12 Reviewer Signature Block
 - Scope of any project phasing (if applicable)
 - Contact information for property owner
 - All applicable codes referenced and applied for the project
 - Sheet index corresponding to all pages of the submittal
 - Revision table
 - Type of construction (I, IIA/IIB, IIIA/IIIB, IV, VA/VB)
 - Square footage and building height
 - Number of stories

Additional sheets of the plan submittal shall include the following information:

- The TCESD No. 12 Fire Department Notes shall be on the plan.
- Where applicable, a TNR and/or TDLR number shall be provided with the permit application.
- A building plan is required to be stamped and wet-signed by the architect of record.
- Any plan submitted to TCESD No. 12 by an architect, other than a building plan, **WILL NOT** be reviewed by TCESD No. 12. Fire sprinklers, fire alarms and any other plan types pertaining to fire safety systems shall be submitted by the licensed designer of the system for a separate review and approval.
- Unless otherwise approved by TCESD No. 12, a third party shall perform a fire flow test to verify adequate fire flow is provided for the building.

- The occupancy classification shall be determined by the architect prior to submittal of the building plan. TCESD No. 12 will not make the determination on the occupancy classification for the architect prior to the submittal. If the occupancy classification has not been determined prior to submittal and has not been included on the plans, the plans **WILL NOT** be reviewed by TCESD No. 12 and returned to the applicant. TCESD No. 12 will notify the applicant if the occupancy classification does not match the building submittal if needed.
- The accurate square footage of all rooms shall be determined by the architect prior to the submittal of the building plan. TCESD No. 12 will not calculate the square footage of the rooms. If the square footage of each room has not been determined prior to submittal and is not included on the plans, the plans **WILL NOT** be reviewed by TCESD No. 12 and returned to the applicant.
- The architect shall refer to all applicable NFPA, IFC and IBC codes for applicable project specific codes/guidance prior to the submittal of the building plans.
- The architect shall refer to **2015 IFC Section 903** for information related to automatic sprinkler system requirements for their project.
- The **FIRE AREA** shall be identified on the building plan submittal.
- An accurate and complete door schedule shall be provided.
- The entrance doors to all buildings shall be shown.
- Double key cylinder deadbolt locks or any lock that requires the use of a key, a tool or special knowledge or effort shall not be permitted to be on any door that serves as an EXIT or any door along the EXIT ACCESS.
- Doors serving rooms or spaces with an occupant load of 50 or more in Group A or E occupancies shall not be provided with a latch or lock other than **panic hardware or fire exit hardware**.
- The unlatching of any door or leaf shall not require more than one operation.
- Egress doors shall be readily openable from the egress side without the use of a key or special knowledge or effort. Door handles, pulls, latches, locks and other operating devices on doors required to be accessible by Chapter 11 of the International Building Code shall not require tight grasping, tight pinching or twisting of the wrist to operate.
- Door hardware type shall be indicated on the plan. If panic or fire exit hardware is installed, clearly state the requirement and indicate which doors have this requirement.
- Door swing shall be clearly indicated on the plan and shall not encroach on any required exit path or path of exit travel.
- If any power-operated doors are to be installed, the door shall be able to be opened manually in case of power failure.
- If a new building is four or more stories above grade plane shall be provided with a **STAIRWAY** to the roof. The stairway shall be marked at street and floor levels with a sign indicating that the stairway continues to the roof. The necessary landings and platforms shall be provided.
- The project shall be designed with any applicable occupancy specific egress requirements.
- Exit signs shall be clearly noted on the plan at all required exits. The location of any directional exit signs shall be noted on the plan.
- Emergency lighting shall be provided to illuminate the means of egress serving a room or space at all times that the room or space is occupied. Emergency lighting shall also be provided in storage rooms, fire riser rooms, ADA restrooms and outside of all exit doors on the exterior of the building.
- The path of travel from each exit to a public way shall be noted. Dimension lines showing maximum travel distance from the furthest occupied location to an exit shall be shown on the plan.

- A wall legend shall be provided. The plan shall show rated and non-rated walls, new walls and existing to remain/to be demolished walls.
- Where rated walls and non-rated walls intersect or where walls with different ratings intersect, a detail indicating how required fire ratings are maintained at each intersection shall be provided.
- The location of all attic access doors and draft stop doors shall be provided on the plan. A graphic detail for all attic access and draft stop doors shall be provided. Methods for maintaining the integrity of the draft stops shall be specifically noted and adhered to throughout the duration of the project.
- The detail and UL design number for firestopping all penetrations in fire rated assemblies shall be provided. Any penetrations made in fire rated assemblies for piping and/or equipment shall be properly sealed.
- In addition to required means of egress, emergency escape and rescue openings shall be provided in Group R-2 occupancies in accordance with 2015 IFC Tables 1006.3.2(1) and 1006.3.2(2) and Group R-3 occupancies.
- Approved access walkways shall be provided to all required openings and rescue windows.
- The number of provided exits or access to exits does not supersede the requirements for emergency escape and rescue openings.
- All specifications, dimensions, and detail sheets for emergency escape and rescue openings shall be noted on the plan.
- All elevators and stair landings shall accommodate ambulance backboards and stretcher (24 inches x 84 inches) with not less than 5-inch radius corners in the horizontal position. (2015 IBC, 3002.4)

MECHANICAL, ELECTRICAL, PLUMBING AND LANDSCAPING SHEET REQUIREMENTS

- The location of all ducts, smoke dampers, fire dampers, and air handlers with applicable CFM information shall be provided.
- The location of all rated walls shall be noted on the mechanical sheet in addition to other sections of the building plan submittal.
- The locations of all carbon monoxide detectors and corresponding gas fueled equipment shall be provided. If applicable to the specific application, a separate sheet of the plans shall be dedicated specifically to the location of CO detectors and the subsequent monitoring of specific appliances and devices.
- The location of all exit signs and direction of the arrows on the signs shall be provided.
- The location of all emergency lights, including exterior emergency lights, shall be provided.
- Any circuit that provides power to a life safety or fire protection feature shall be clearly identified on the electrical schedule. The individual circuits supplying the various items shall be identified at the individual breaker. The method of identification shall be approved by the fire code official. This includes, but is not limited to, exit signs, emergency lights, and fire alarm systems.
- The location of the main electrical disconnect shall be shown. A graphic detail of the main electrical disconnect shall be provided.
- The location of all electrical rooms shall be shown.
- The location of natural gas and/or propane piping shall be clearly noted on the plan. The gas service line shut off shall be clearly shown on the plan.
- The location of landscaping in relation to fire department access and equipment shall be clearly noted on the plan.
- If a solar photovoltaic system is to be installed, the layout shall be included with the submittal and APPROVED by TCESD No. 12. The layout of all panels, conduit and system shut offs shall be included.
- Submit the signed TCESD No. 12 Building Submittal Checklist and a PDF copy of the plan with your submittal.