

CROWLEY FIRE DEPARTMENT

FIRE MARSHAL'S OFFICE

201 E. Main Street

Crowley, Texas 76036

Phone (817) 297-1638 ex: 5020 Email: FireMarshal@ci.crowley.tx.us

Ventilation Hood Suppression Plan Submittal Guidelines

These guidelines are provided as an aid to successful prompt plan review and to ensure the minimum information required to inform the extent and intent of the work proposed in the City of Crowley based on the documentation requirements of the adopted national standard NFPA 17A. This document includes examples of information presented as figures, tables, and best practice recommendations. These examples are not intended to establish the only forms by which this information may be presented.

The following are the codes & standards in force in the City of Crowley Ordinance/Amendments

- International Fire Code 2021
- International Building Code 2021
- International Mechanical Code 2021
- The most current published edition of NFPA 17A
- Manufactures Installation Instructions
- The most current published edition of NFPA 96

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All inspections shall be performed by the Crowley Fire Marshal's office. System types shall include:

- Underground fire service
- Aboveground sprinkler suppression systems
- Fire Alarm systems
- Kitchen hood suppression systems
- Alternative suppression systems
- Controlled access systems (building and/or gates)
- Underground fire service
- Aboveground sprinkler suppression systems
- Fire Alarm systems
- Alternative suppression systems
- Kitchen hood suppression systems
- Controlled egress doors and controlled access gate systems

Contact the Fire Marshal's Office at 817-297-1638 ex: 5020 regarding these requirements.

- The Fire Marshal's Office must receive stamped and approved plans, data submittal packages and the approval review letter in PDF format as three (3) separate attachments before permit issuance.

The policies & procedures established under the Crowley Fire Department Ordinance/Amendments for documentation collection shall remain unchanged.

Our goal is to provide a *complete and accurate review in the shortest possible time.*

Plan Submittal & Permitting Process

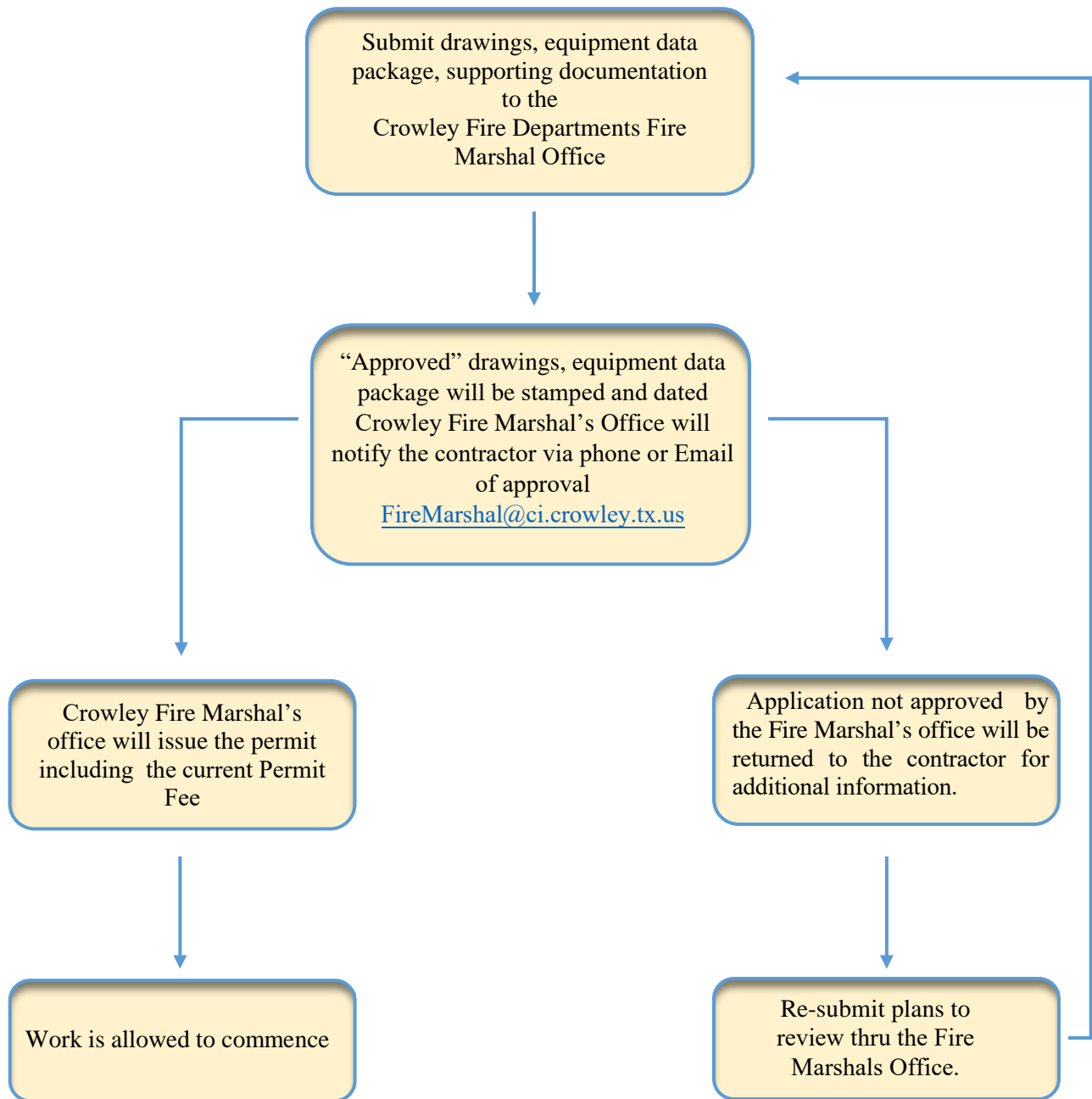


Figure 1

Submittal Check List

Does the submittal contain?

- Electronic scaled drawings in PDF Format
- Equipment submittal data package in PDF Format
- Full company information including, street address, city, state & zip, contact name, office number, cell number, email address, State Registration number (ECR) and EPL electronic signature in contrasting color (if applicable)
- Full project information including, street address, city, state & zip, contact name, office number, cell number, email address

Do the drawings contain?

- Company name, address, and license number
- Planner's name and license number (not required on pre-engineered systems)
- Project name and address
- Scope of work
- Applicable codes and standards used in the design
- Scale (1/8" = 1' minimum)
- Drawing of room to indicate the location of the system(s) and pull station(s)
- Show all piping, detectors, and nozzles indicating minimum and maximum dimensions to their assigned appliance based on the actual hood installation height, positioning and aiming
- Provide specific descriptions of all appliances, including dimensions, volume, etc. Include any features relative to the operation of the system.
- System activation description
- Pipe descriptions and volumetric calculations (*not required for pre-engineered systems*)
- Flow points used and flow points available
- Manufacturers cut sheets for all equipment being installed (*not required for pre-engineered systems*)
- Agent flow calculations (*not required for pre-engineered systems*)
- **For Pre-engineered systems only:** Manufacturers documentation to indicate system limitations, pipe size, coverage, etc.

Do the Drawing Notes contain?

- Jurisdictional authority
- Designed-in-accordance-with codes, code dates, and local amendments
- Describe all relevant operation and control functions

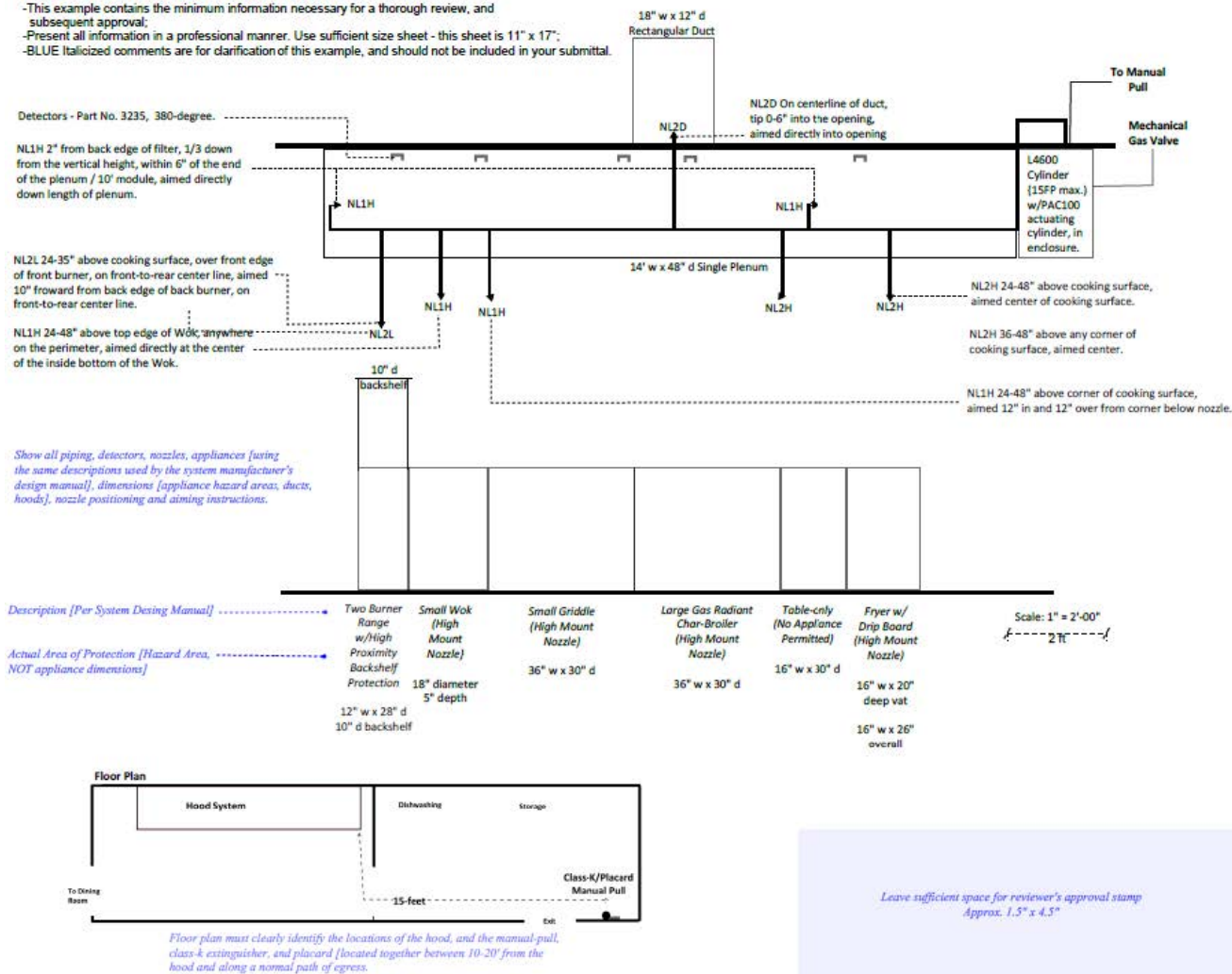
This checklist is provided as a submittal aid only and is not intended to cover every code requirement

Figure 2

Shop Drawing Submittal Elements

EXAMPLE HOOD SUPPRESSION SYSTEM SUBMITTAL:

- This example contains the minimum information necessary for a thorough review, and subsequent approval;
- Present all information in a professional manner. Use sufficient size sheet - this sheet is 11" x 17";
- BLUE italicized comments are for clarification of this example, and should not be included in your submittal.



Following information is required:

- System activation description;
- Applicable Codes and Standards;
- Pipe descriptions and volumetric calculations;
- Flow points used and flow points available;
- Appliance positioning system.

Upon system activation, all fuel sources below the hood will shut-off, make-up air fan will shut-down, exhaust fan will continue to operate, agent will release at all nozzles, simultaneously.

System complies with:

- 2015 International Fire Code, as amended and adopted by the Town of Prosper
- 2017 NFPA 96 (Or most current edition)
- 2017 NFPA 17A (Or most current edition)

This system uses 3/8" pipe, 12 flow points, and total pipe volume is approximately 1162 mls. L4600 cylinder supports maximum 15 flow points with maximum pipe volume 2600 mls.

Appliance location marking: [per NFPA 96 12.1.2.3.1]

- Floor-mounted appliances: Metal [or plastic] caster positioning devices. *
- Table-top appliance(s): L-shaped metal angle bar at front legs, bolted into table surface. *
- *Or other PHYSICAL positioning system: Show details and submit Data Sheet(s). Paints, markers, tapes, etc... are NOT approved.

ABC Fire Protection
1234 E 1st Suite A
Anytown, TX 75123
(214) 555-1212
ECR-1234

Project Info:
My Healthy Diner
4321 Main Street

System Description:
ProTek II Restaurant Fire Protection System

Drawn By:
FEL-A-
Date:

Figure 3