

# Memorandum



DATE: August 5, 2016

TO: Honorable Members of the Public Safety Committee:  
Adam Medrano (Chair), B. Adam McGough (Vice Chair), Sandy Greyson, Tiffinni A. Young,  
Jennifer S. Gates, Philip T. Kingston

SUBJECT: **New Construction**

On Monday, August 8, 2016, you will be briefed on New Construction by Lieutenant Jacklyn Gilmore of the Dallas Fire-Rescue Department.

The briefing materials are attached for your review.

Please contact me if you have any questions or need additional information.



Eric D. Campbell  
Assistant City Manager

[Attachment]

cc: Honorable Mayor and Members of the City Council  
A.C. Gonzalez, City Manager  
Christopher D. Bowers, (I) City Attorney  
Craig D. Kinton, City Auditor  
Rosa A. Rios, City Secretary  
Daniel F. Solis, Administrative Judge  
Ryan S. Evans, First Assistant City Manager

Jill A. Jordan, P.E., Assistant City Manager  
Mark McDaniel, Assistant City Manager  
Joey Zapata, Assistant City Manager  
Jeanne Chipperfield, Chief Financial Officer  
Sana Syed, Public Information Officer  
Elsa Cantu, Assistant to the City Manager – Mayor & Council



# New Construction

Dallas Fire Rescue - Inspection and Life Safety Education  
Public Safety Committee  
August 8, 2016



# Mission:

To promote Public Safety through testing of all life safety systems before it is occupied



# New Construction Team I & II

- 2 Lieutenants
- 12 Senior Inspectors
- 1 Pre-Development Liaison
- 1 Senior Office Assistant



# What is the role of the New Construction Inspector?

- Inspectors are responsible for testing of all life safety systems from start to finish for all new buildings and renovations of existing buildings within the Dallas city limits
- There are thirty-four (34) different tests
- Many tests are performed before and after normal business hours, (0800-1700) to prevent disruption of retail and corporate activities



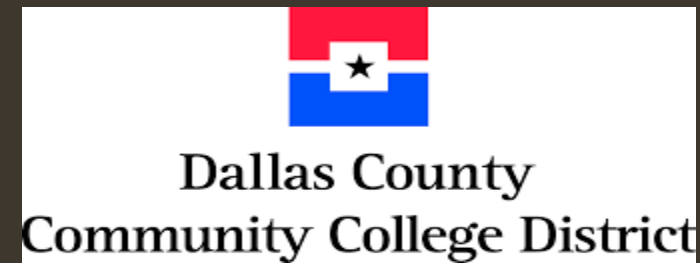
# This includes:

- High Rise Commercial and Residential



- Educational Facilities

Including public, private, higher education, and charter schools



- Hospital / Healthcare





- Places of Assembly

Restaurants, bars, clubs, churches, and malls



- Low Rise Commercial and Residential



- Special Construction Projects

Klyde Warren Park and Dallas Area Rapid Transit (DART) rail



- Single Family Homes

Over 7500 sq. feet require residential sprinkler systems



- Flammable and Combustible Hazardous Material (HazMat) Locations  
Underground, aboveground tank installation and removal



# Types of Acceptance Testing



- Fire Alarm Acceptance Testing

Smoke alarms, heat detectors, pull stations, tamper switches, water flow, duct detectors, and audio/visual devices



- Sprinkler System Acceptance Testing

Hydrostatic pressure, wet systems, dry systems, wet/dry standpipe systems, pre-action systems, deluge systems, foam systems and underground fire lines





- Generator Tests

Backup power for Life Safety Systems to include fire alarm, fire pump, emergency lighting and elevators



- Elevator Recall

Automatically recalls elevators to ground level during fire alarm and gives firefighters full use of elevators



- Access Control

Electronic egress devices or “magnetic locks” are frequently chosen for added security to workplace



- Commercial Cooking Extinguishing Systems

Required over any appliances that produce grease laden vapors



- Paint Booth

Extinguishing systems are required in all spray paint booths



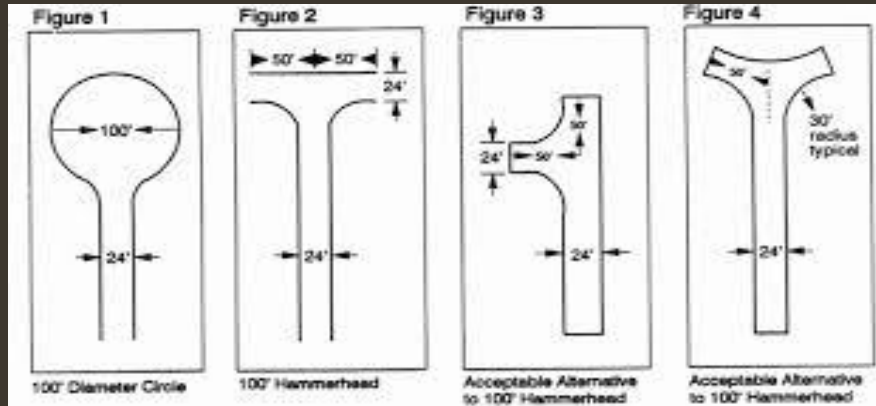
- Alternative Extinguishing Systems

Factory Mutual (FM) 200 and Inert Gas Room Systems



- Fire Lane Acceptance Plans

Knox locks, Knox boxes, Key Switches (KS-2) and gate radio receivers



- Fire Pump Testing

Fire pumps are compulsory when the city water pressure does not meet the requirements of the sprinkler system





- High Rise Roof Flow

Test to determine if the adequate water pressure is reached at the roof level



Questions?