



# **Central York Fire Services**

## **Presents**

# **Residential Sprinkler Systems**

## **NFPA 13D – single family homes**



# The Fire Prevention Division

The Fire Protection & Prevention Act (FPPA) Section 2. (1) mandates that every municipality establish the following:

- Public Education
- Enforces the Ontario Fire Code and Ontario Building Code through inspections and
- Conduct fire investigations to determine origin and cause.



# ***Advantages of Fire Sprinklers***

- NEW HOME CONSTRUCTION has changed
- Light Weight Construction
- Open Concept Design
- Modern Furniture is made with polyurethane materials
- Open concept construction, light weight construction and modern furniture = only have 2 – 3 minutes to escape

## ***ADVANTAGES***

- Enhances life safety and protection
- Increased firefighter and occupant safety for homes with response time issues.



# House Construction

1950's Homes  
Ordinary Construction



NEW Homes  
Light weight Construction



# Light weight Construction

- 1) Fails quickly in fire situations
- 2) Only 2 -3 minutes to escape
- 3) Ontario Building Code permits this type of construction



# Open Concept

1950's Home



Today's Home





# Furniture

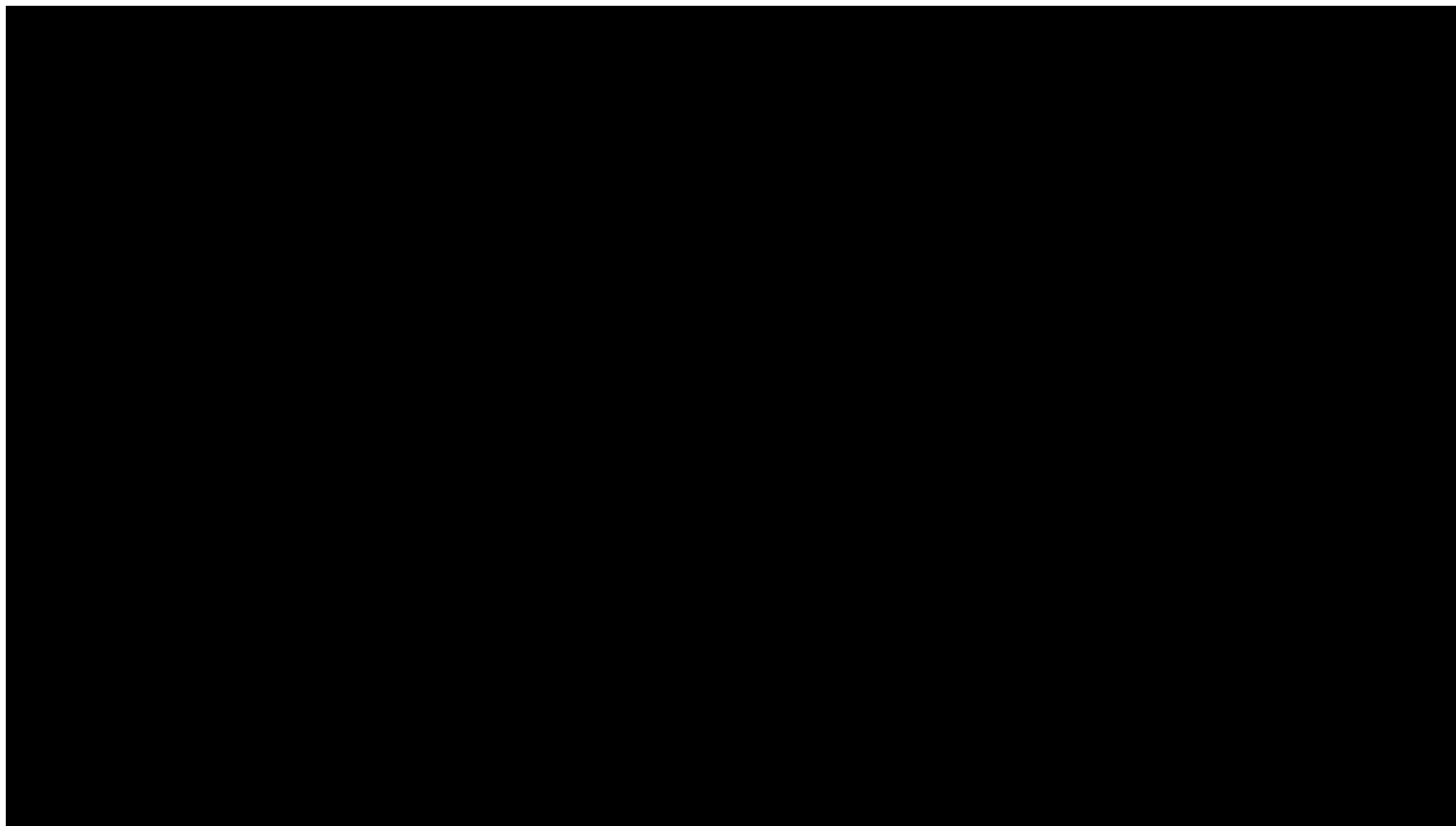
Hand Crafted Furniture  
(Solid Wood)



Today's Furniture  
(Polyurethane materials)

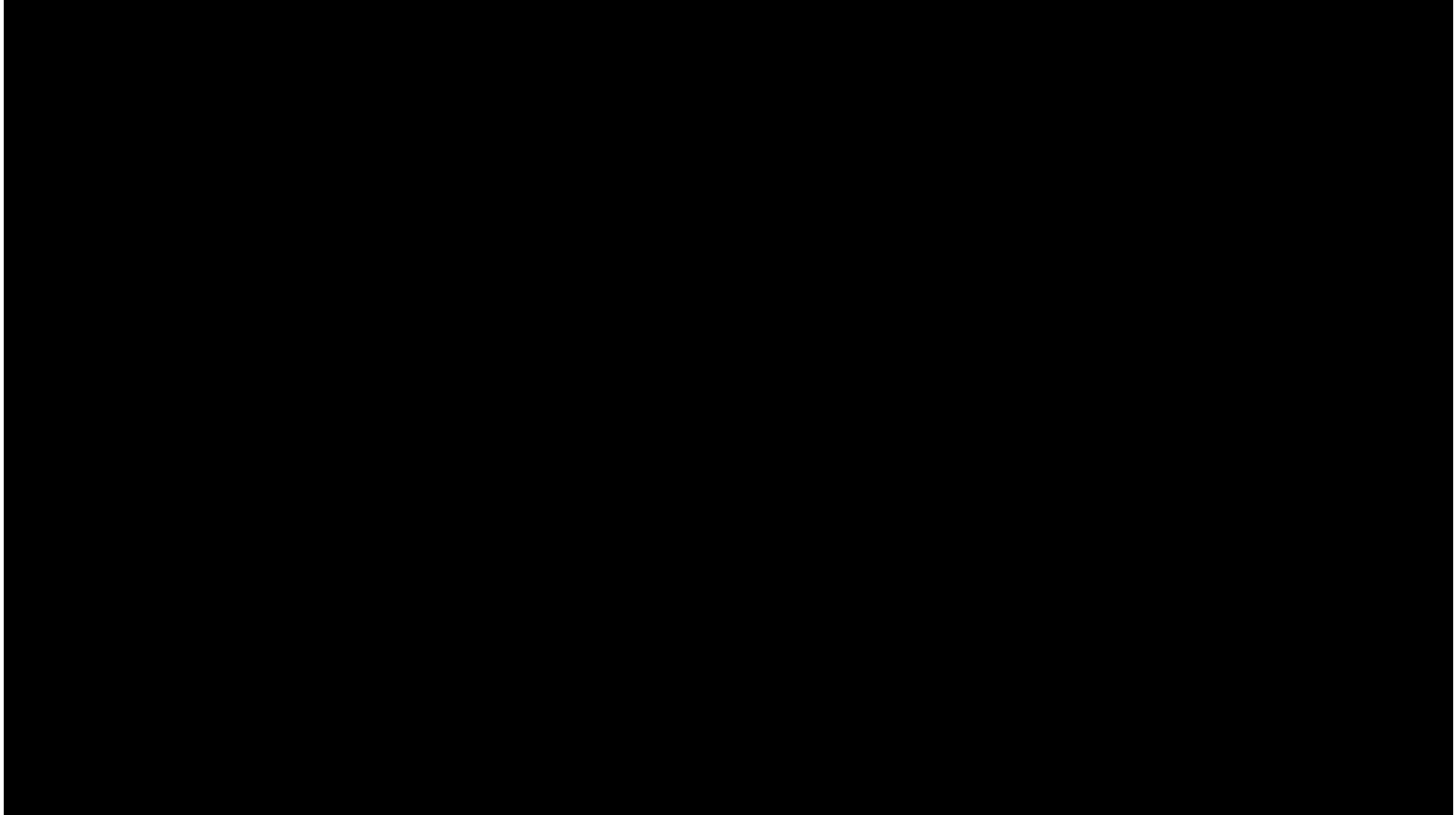


# Bedroom Fire

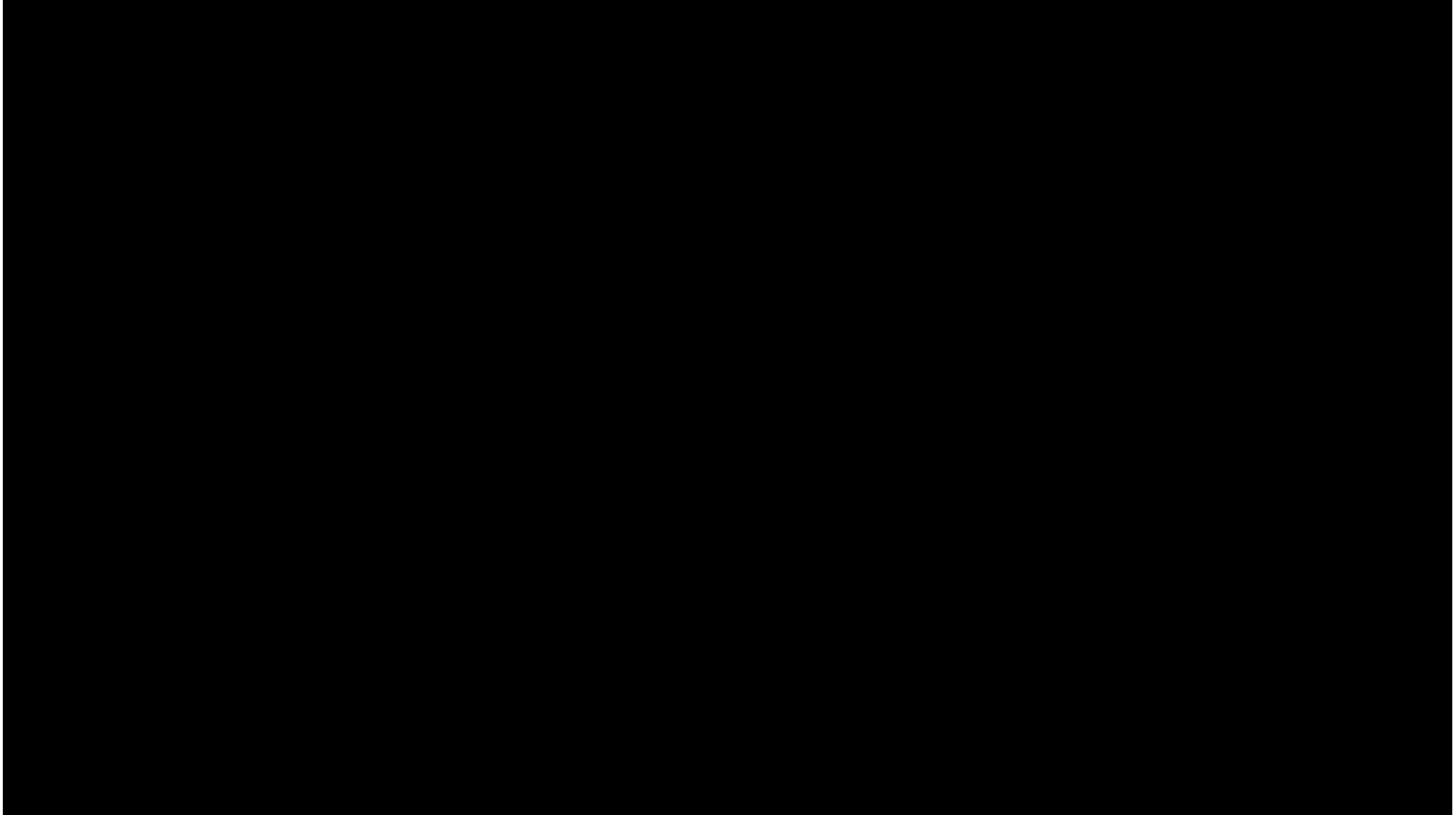




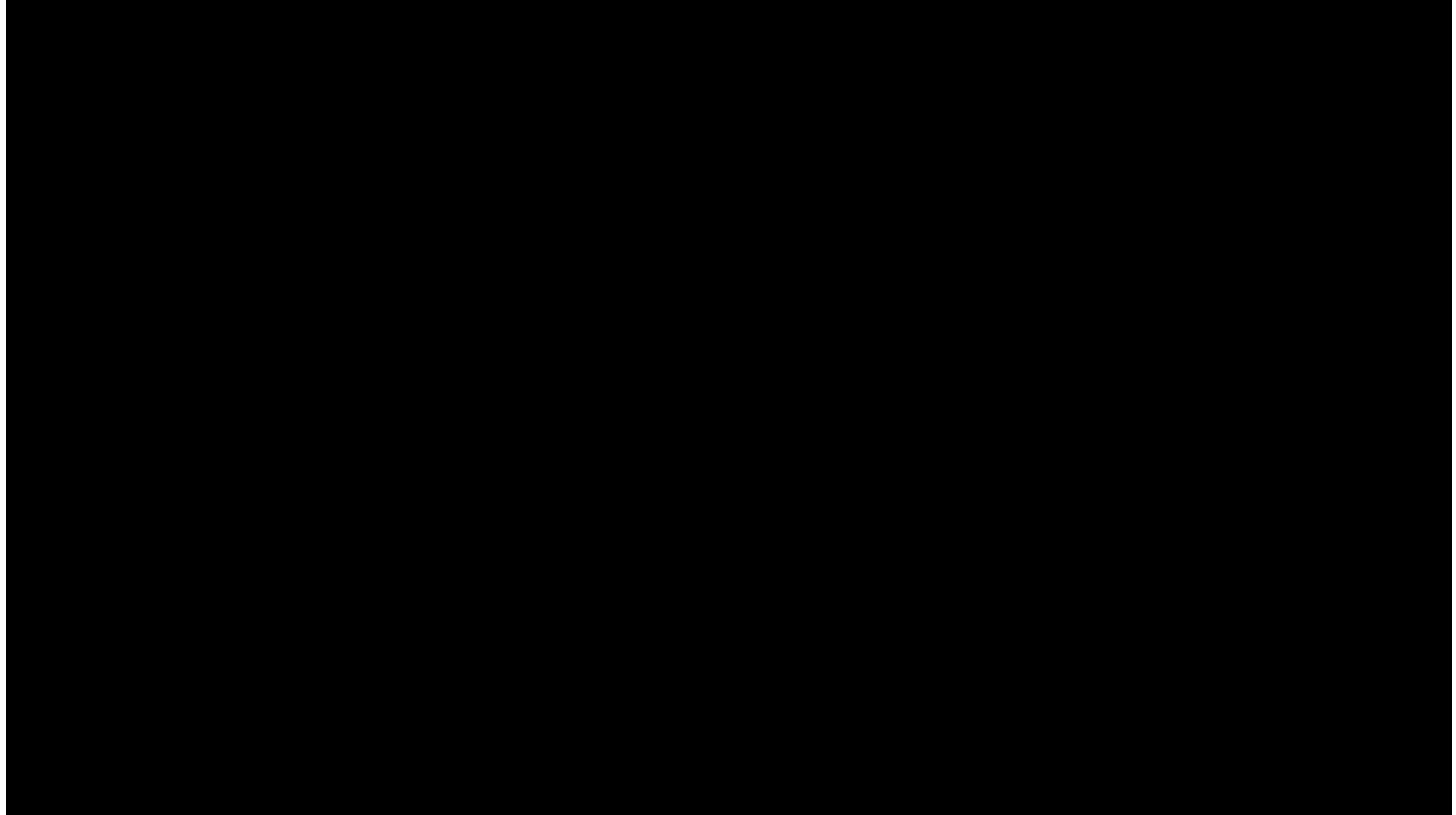
# How Fire Sprinklers Work



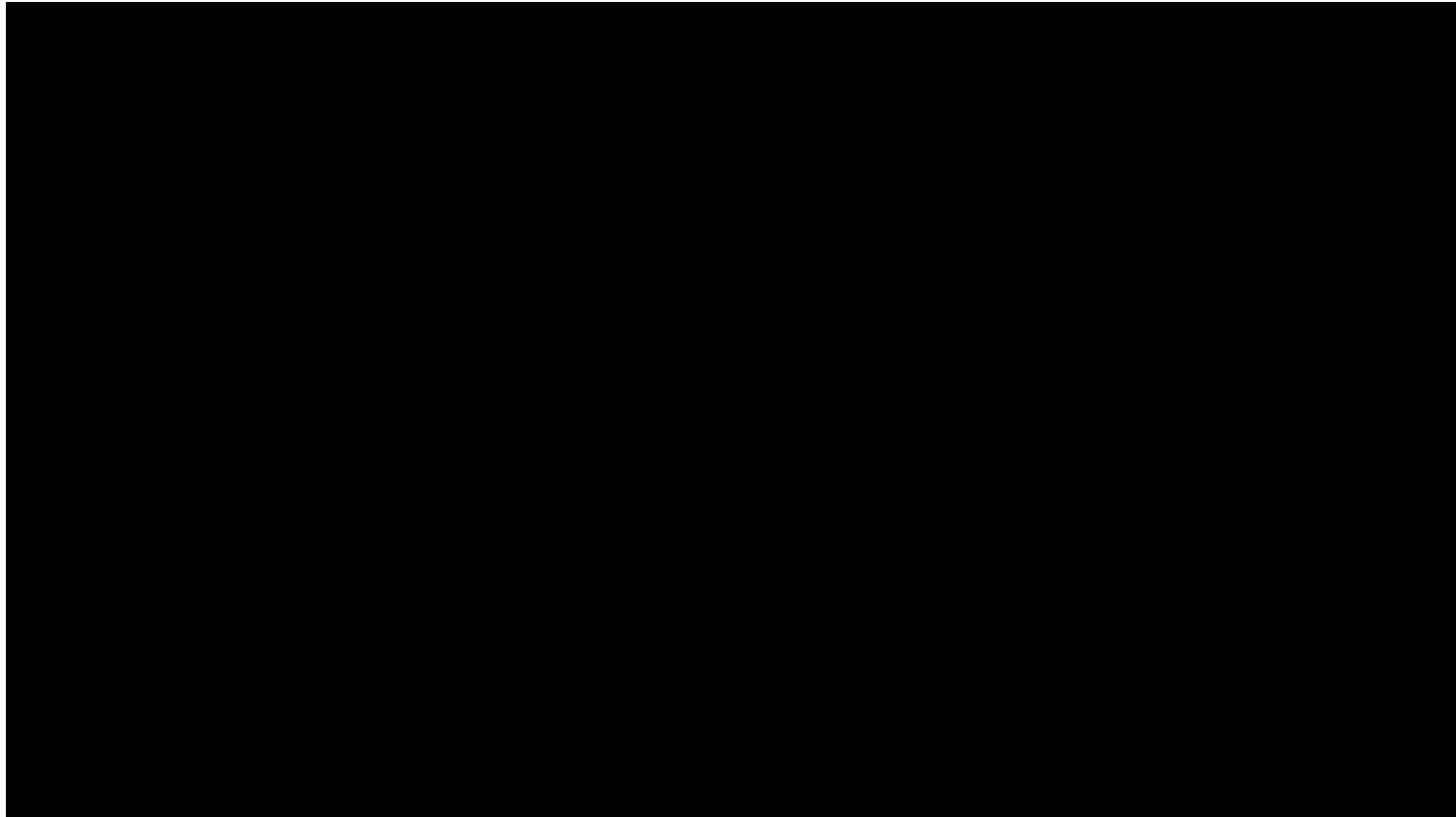
# How Much Water?



# Home Fire Timeline



# Selling a Home Protected by Fire Sprinklers



# Myths

Fire sprinklers difficult to maintain

Fire sprinklers are ugly

Fire sprinklers activate all at once.



# *Summary*

- Sprinklers work automatically, are concealed and heat activated
- Light weight construction.
- Escape times
- Discounts on insurance





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**PROUDLY PROTECTING THE COMMUNITIES  
OF AURORA AND NEWMARKET**

