



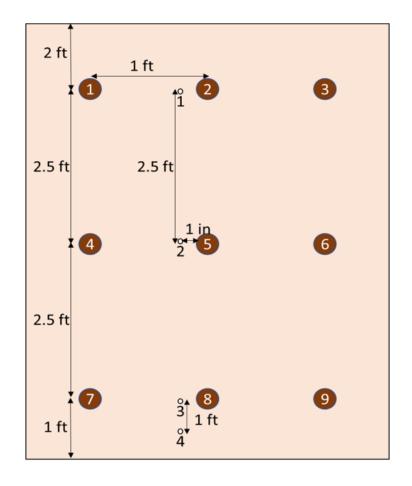






# **Experimental Setup**







#### Fire source

Natural gas burner, Heat release rate (HRR) 80 kW for 5 minutes

Wooden cribs



#### Flame tilt



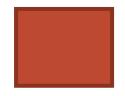
Wind speed: low



Wind speed: high



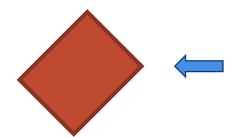
Wind speed: medium





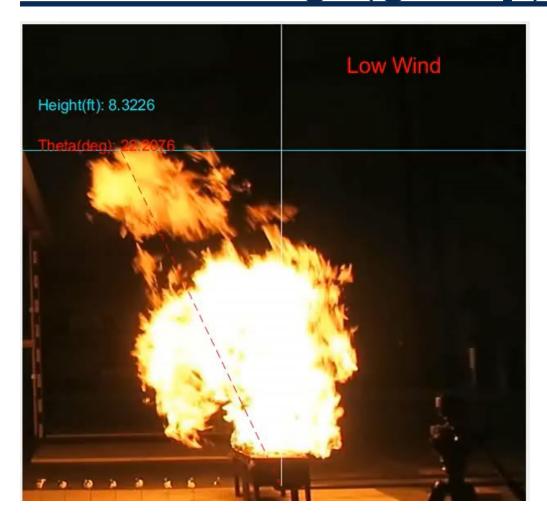


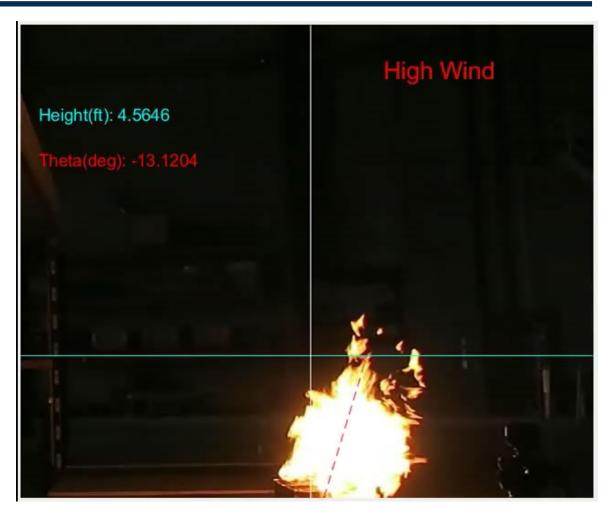






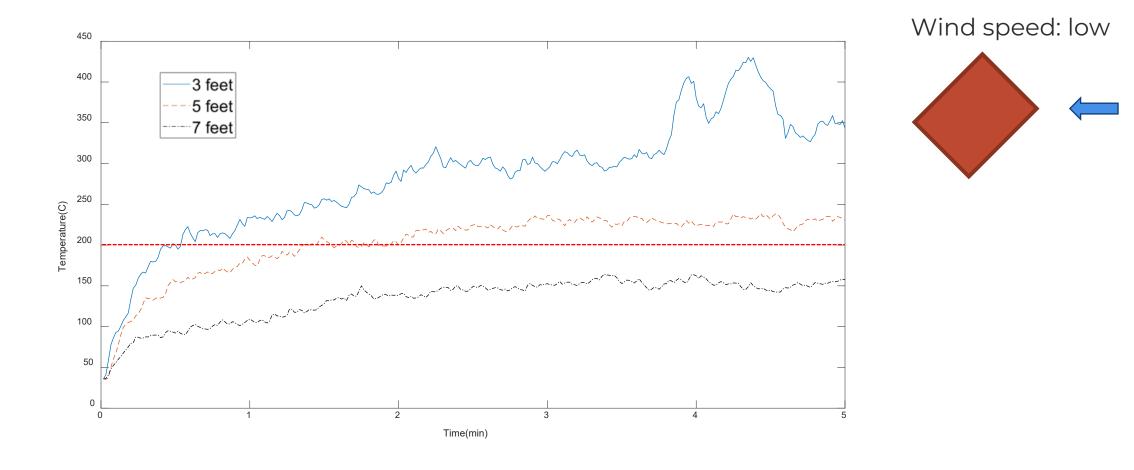
# Fluctuating (gusty) wind effects



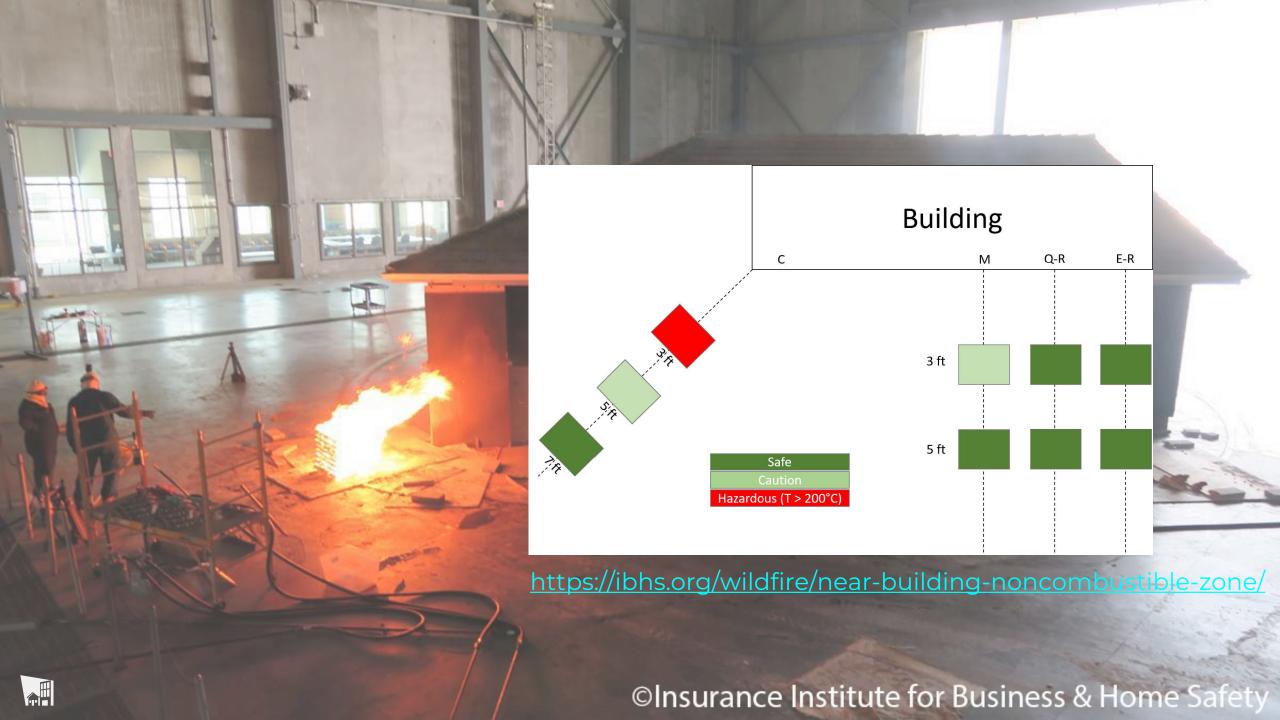




### Wall surface temperature







#### Attached deck

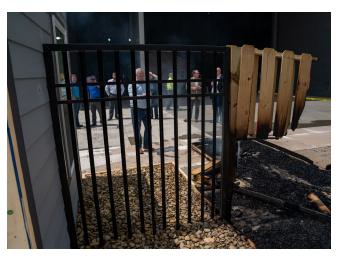


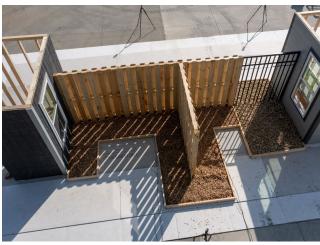




### Attached fence









# Combustibles (fuel) in Zone 0











# Vegetation Separation

