

**FIREX**  
INTERNATIONAL

# Tall Building Fire Safety Conference 2020

## Tactics for dealing with external ascending wall fires

Wednesday 7 Oct  
11:00-11:30

### Mark Reilly

*35+ years' experience in  
crisis and emergency  
management*



**JOIN ME ONLINE, BOOK YOUR PLACE NOW**



**FIREX**  
INTERNATIONAL

Tall  
**Buildings**  
*fire safety network*

# Tactics for dealing with external ascending wall fires

## Critical Analysis



# **critical thinking** *noun [c]*

the objective analysis and evaluation of an issue in order to form a judgement ...



# Tall Buildings Conference Virtual Presentation

**Mark Reilly** CMI FireE

Institution of Fire Engineers Australia



THE INSTITUTION OF FIRE ENGINEERS  
FOUNDED 1918 • INCORPORATED 1924  
AUSTRALIA BRANCH



# Before the Incident

## Planning and Design





# BIA-HAWAII

BUILDING INDUSTRY ASSOCIATION

## YOU'RE INVITED

*It was a big win for BIA-Hawaii, our members, our supporters, and for hard working families in Hawaii that our sprinkler mandate prohibition was extended another ten years to 2027!*

*To show our appreciation, please join us at a Mahalo Reception on*

**Friday, August 4<sup>TH</sup>  
5:00-6:30pm  
at Bethel Union Restaurant**

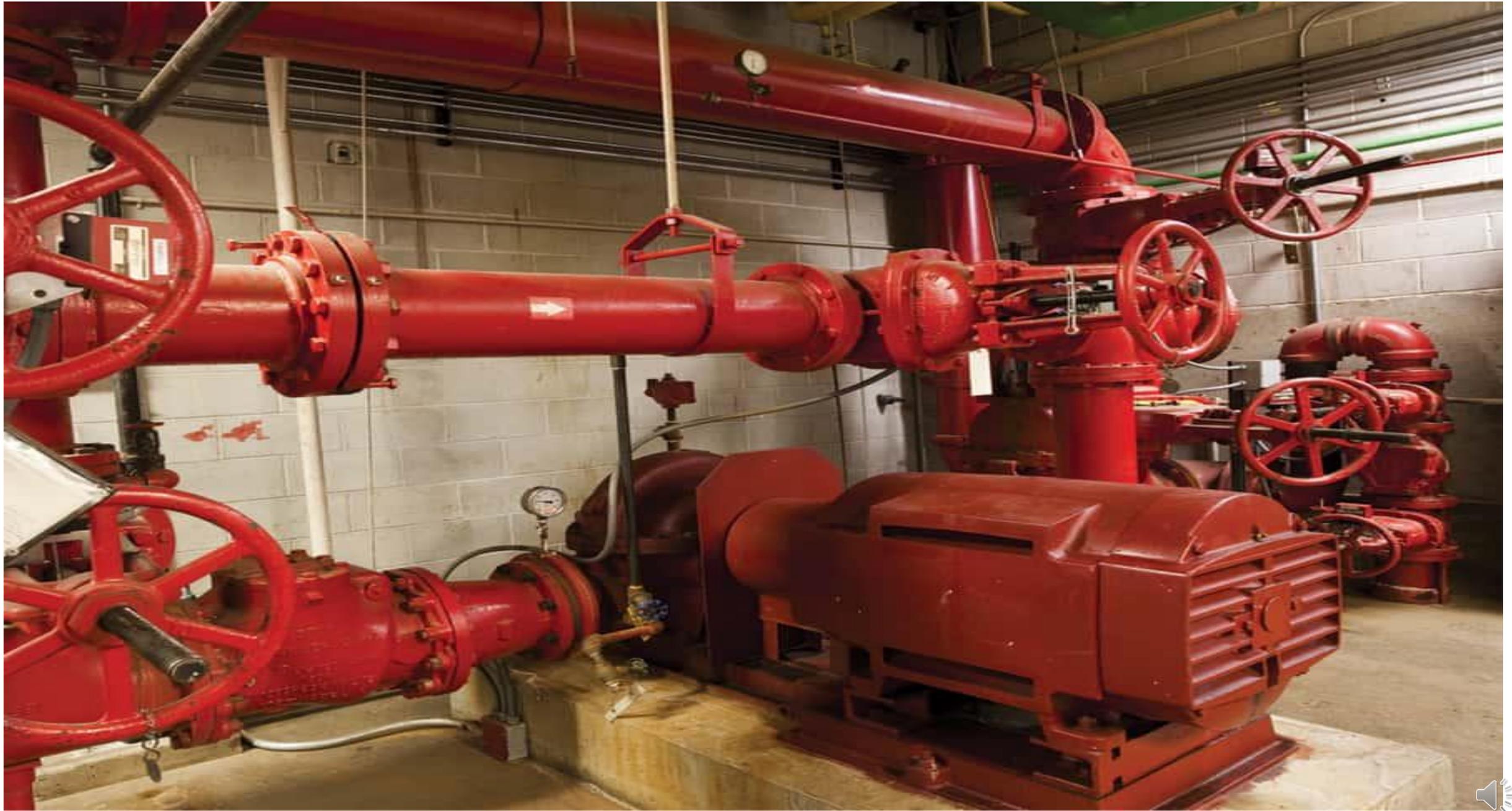
*Please RSVP by July 31<sup>st</sup>.  
\*Invitation is non-transferable*



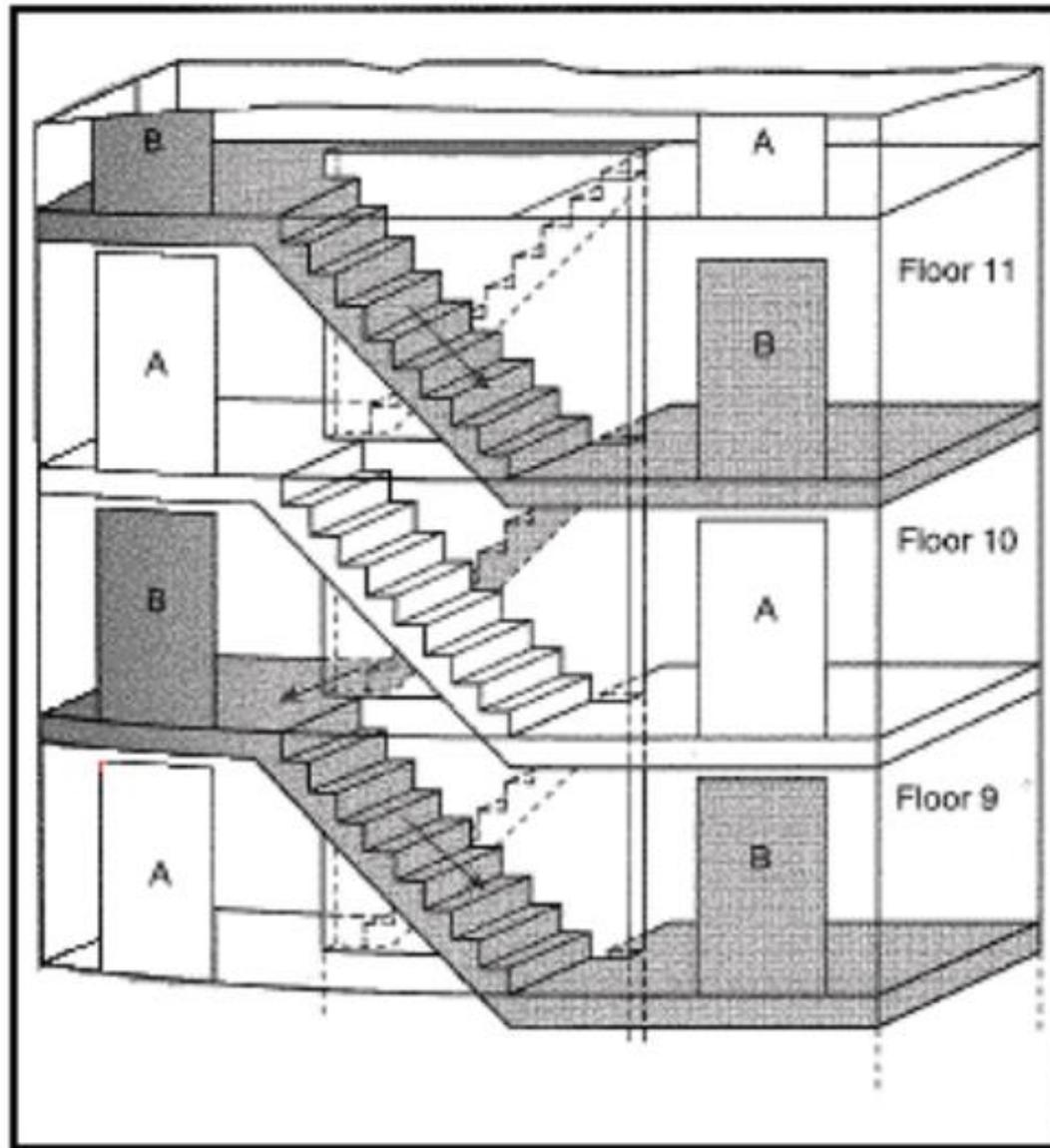


The Marco Polo building as seen on Saturday after a fire gutted several of the top floors of the residential complex on Friday. Honolulu fire investigators have determined the origin of the fatal high-rise fire occurred in a separate unit from two units where three residents died Friday. The building did not have any installed fire sprinklers!









**Scissor exit stairway**







National  
Fire Protection  
Association

William F. Jenzway

# Preincident Planning

Third Edition











## SKYLIFT MODEL: BRONTO 54M

THIEN HONG MACHINERY (M) SDN. BHD.  
 No. 14, Jalan Wawasan 1, Sg. Kapar Indah Ind. Park  
 Bt 6 Jalan Kapar, 42200 Klang, Selangor  
 Tel: 03-32901111 Fax: 03-32902199  
 H/P: 012-2108236, 012-3807700

### TECHNICAL DATA

#### WORKING RANGE

Max working height	54.0 m / 180 feet
Max cage load	400/200 kg
Max cage load by extendable cage	300/100 kg
Max working outreach	20 ~25 m (400/200 kg cage load)
Max downreach to cage bottom below the ground level	3.5 m (400 kg cage load)
Max downreach to cage bottom below the ground level	5.0 m (200 kg cage load)

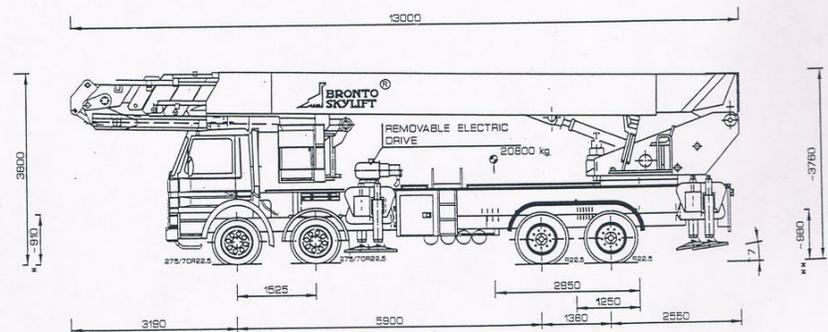
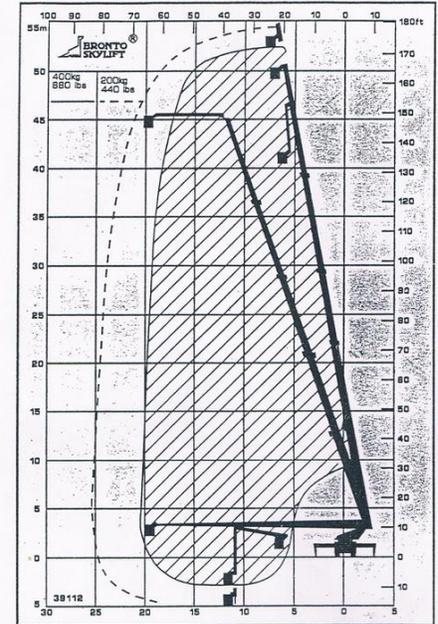
#### ELEVATION

Rotation angle 360° Continuous

#### DIMENSIONS

Overall length	13 m
Overall height	3.8 m
Overall width	2.5 m
Overall weight	31,800 kg
Extendable working cage	0.9 x 2.0 / 3.4 x 1.1 m
Changing cage	0.9 x 1.3 x 1.1 m
Max outrigger width	6.0 m

### WORKING DIAGRAM



# Training

Simulated high rise scenario  
using the XVR program

IMT members workshop  
options with regards to  
location of fire, response  
considerations, initial  
attack, evacuation strategies









# In closing

As we started with a definition,  
I'd like to close with another to  
provoke your thoughts on what  
you may have learnt from your  
practical responses or your  
training programs



**paradigm shift** *noun [c]*

a time when the usual and accepted way of doing or thinking about something changes completely ...



# Questions?



Thank you for your time and attention today!

Please don't hesitate to reach out to me on LinkedIn

Or at my email: [mark.reilly09@gmail.com](mailto:mark.reilly09@gmail.com)



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