

# Barrier Management Symposium

## An Executive Summary

### Objective

Build & Maintain Safe Buildings

### History



# Details

- Emergency Exits
- Restrooms
- Mobile Phones...

# Objective – Share Knowledge

- Barriers are for Safety – DIIM
  - Properly **Designed** and Specified
    - **Tested and Listed Systems** – Directories, Tables
    - *Specified*
  - Professional **Installation** Companies, Workforce
  - Properly **Inspected** – by Companies, Workforce
  - **Maintained** –
    - NFPA 101 - 2000 (TJC, CMS)
    - International Fire Code - IFC 2012 - Annually (Local)
- **Effective Compartmentation  
for Fire & Life Safety**

# Barrier Management Symposium

- **World Travelled Faculty – Varies by Audience...**
  - Bill McHugh, FCIA
  - Rich Walke, UL , Testing, Barriers, Walls
  - Bill Koffel, Koffel Associates, Barriers
  - Nestor Sanchez, Gypsum Assoc., USG Corp.
  - Bill McHugh, FCIA – Firestopping
  - Paul Baillargeon, DHI – Fire Doors
  - Marc Sorge/Mark Belke, Greenheck – Fire & Smoke Dampers
  - Bill McHugh & Rich Walke, UL – Fire Rated Glazing
  - Bill McHugh, Barrier Management Systems
  - Don Murphy, Aedan Gleeson, FCIA

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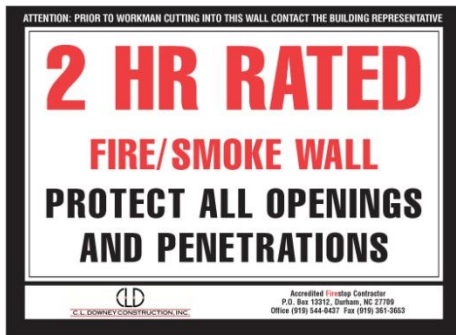
## It's about Effective Compartmentation



# “TOTAL FIRE PROTECTION”

## Fire Resistance

- Effective Compartmentation
  - Fire Barriers, Fire Walls/Floors, Smoke Barriers
  - Firestopping, Fire Dampers, Swinging and Rolling Fire Doors, Fire Rated Glazing
- Detection & Alarm Systems
- Sprinkler Suppression Systems
- Education & Egress—
  - Building Owners & Managers, Building Occupants and Firefighters – Ingress/Egress



# Summary

- **Leadership** must be **aware**
  - Physical environment fails clinical needs cannot be met
- Barriers Systems Essential to Protect Occupants, Students, Staff, Patients
- Penetrations and Door Failures =
  - 22% of 2014 TJC Findings

## #5 LS.02.01.30

50%

- The hospital provides and maintains building features to protect individuals from the hazards of fire and smoke.
  - EP2 Hazardous Areas
    - Door issues – self-closing/positive latching
    - Improper construction and maintenance of area
  - EP 11 Corridor Doors
  - EP 18 **Smoke Barrier Penetrations**
  - EP 23 **Smoke Barrier Doors**





CLEAN  
UTILITY

# LS.02.01.10 EP 5

## Rated Door Self Closing



#7 LS.02.01.10 EP 5 & 9

46%

- Building and fire protection features are designed and maintained to minimize the effects of fire, smoke, and heat.
  - EP 5 **Door issues**
  - EP 9 **Fire Barrier Penetrations**
- Barrier Management



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