Barrier Management Symposium

Objective

Build & Maintain Safe Buildings - DIIM
Details

• Emergency Exits
• Restrooms
• Mobile Phones...

• Thanks...
  – MOSHE/SICHE Staff
  – MOSHE/SICHE Committee
Objective – Share Knowledge

• Barriers are for Safety – DIIM
  – Properly *Designed* and Specified
    • *Tested and Listed Systems* – Directories, Tables
    • *Specified by CCS, RSW*
  – Professional *Installation*, Companies, Workforce
  – Properly *Inspected* – Companies, Workforce
  – *Maintained* –
    • NFPA 101  - (TJC, CMS)
    • International Fire Code - IFC 2012 - 2018- Annually

= *Effective Compartmentation*

*for Fire & Life Safety*
Barrier Management Symposium

- **World Travelled Faculty**
  - Bill McHugh, FCIA & MOSHE
  - Rich Walke, UL, Testing, Glazing
  - Lennon Peake/Bill Koffel; Koffel Associates, Barriers
  - Nestor Sanchez, Gypsum Assoc., USG Corp.
  - Rich Walke, UL – Fire Rated Glazing
  - Marc Sorge, Greenheck – Fire & Smoke Dampers
  - Bill McHugh, FCIA – Firestopping
  - Laura Frye, DHI – Fire Doors
  - Bill McHugh, Barrier Management Systems
“TOTAL FIRE PROTECTION”

Fire & Smoke 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
Barrier Management Symposium

It’s about Effective Compartmentation
# Top 10 Findings – summary chart – 3 years

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<th>Standard</th>
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Where is the 2 Hr Fire Barrier??

The Wall above the building separation was not constructed from floor slab to ceiling deck, therefore, non compliant.
LS.02.01.10 – EP-14 – Barrier Penetrations
LS.02.01.10: Facility Scenario Assessment: Door and Chase
LS.02.01.10 – Label on TOP of door!
Barriers Not Alone...

LS.02.01.35 – EP-4 - Sprinkler piping supports nothing else.
Required Barrier Penetration Permit Programs

SR.5 The Life Safety Management System shall include in the elements of SR.4d a written plan for the protection of the integrity of hospital smoke and fire barriers.

The plan shall include:

SR.5a Name(s) of Responsible hospital staff for barrier protection program
SR.5b Requirement for written permission for anyone (including all hospital staff, contractors and vendors) to penetrate a smoke or fire barrier wall, ceiling or floor
SR.5c Input from Infection Control and Prevention Practitioner on critical clinical areas prior to issuance of written permit for performing work on barriers
SR.5d Establishment of monitoring process to ensure all work is completed correctly
HFAP & Barrier Management

Life Safety Plans

HFAP standard 13.06.04 - LS Drawings
- Rated walls and barriers
- Exits, exit enclosures, horiz. exits, exit discharge
- Hazardous Rooms
- Smoke barriers, smoke compartment area & travel distances
- Travel distance for the farthest location to the closest exit
- Suites (boundaries & SF)
- Smoke partitions
- Areas that are fire sprinklered / not fire sprinklered

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HFAP & Barrier Management
• **Leadership** must be **aware**
  – Physical environment fails clinical needs cannot be met

• Barrier Systems Essential to Protect Occupants, Staff, Patients

• Penetrations and Door Failures =
  – Big Issues...But....It’s about the Barriers.
NEW! Barrier Management Symposium Video Series @ ASHE

FREE and available to anyone!
Earn 12 contact hours by watching the video series and taking a quiz.

ashe.org/barrier
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Thanks MOSHE & SICHE Leadership