

PAUL DAVIS

RECOVER • RECONSTRUCT • RESTORE

Introduction to Fire Restoration

presented to guests of



Wisconsin Association of
School Business Officials

PAUL DAVIS

Our Company

Growing in Our Markets

2019

A new headquarters for our Fox Valley operation allows us to operate on a larger more efficient scale.

2020

Celebrating over 30 years serving our local community, Paul Davis completed construction on a brand new, state of the art, Southeast Wisconsin facility. This new 100,000SF, two-story building set on 10 acres houses over 130 employees, 90 vehicles, and sees all operations in one centralized location.



Our Services

Water Damage



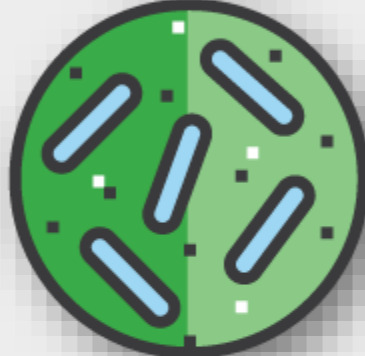
Water Mitigation
Dehumidification
Moisture Control
Reconstruction

Fire Damage



Site Stabilization
Deodoriation & Soot Removal
Contents Packout & Cleaning
Document & Electronics Cleaning
Reconstruction

Mold/Enviromental



Air Quality Testing
Remediation
Abatement

Catastrophe



Disaster Recovery
Debris Removal
Temporary Power
Pre-loss Disaster Planning
Business Continuity
Priority Status
Reconstruction

Other Services



General Contracting
Trauma Scene Clean
Large Scale Clean
Building Inspection
Risk Analysis
Staff Training
Consulting

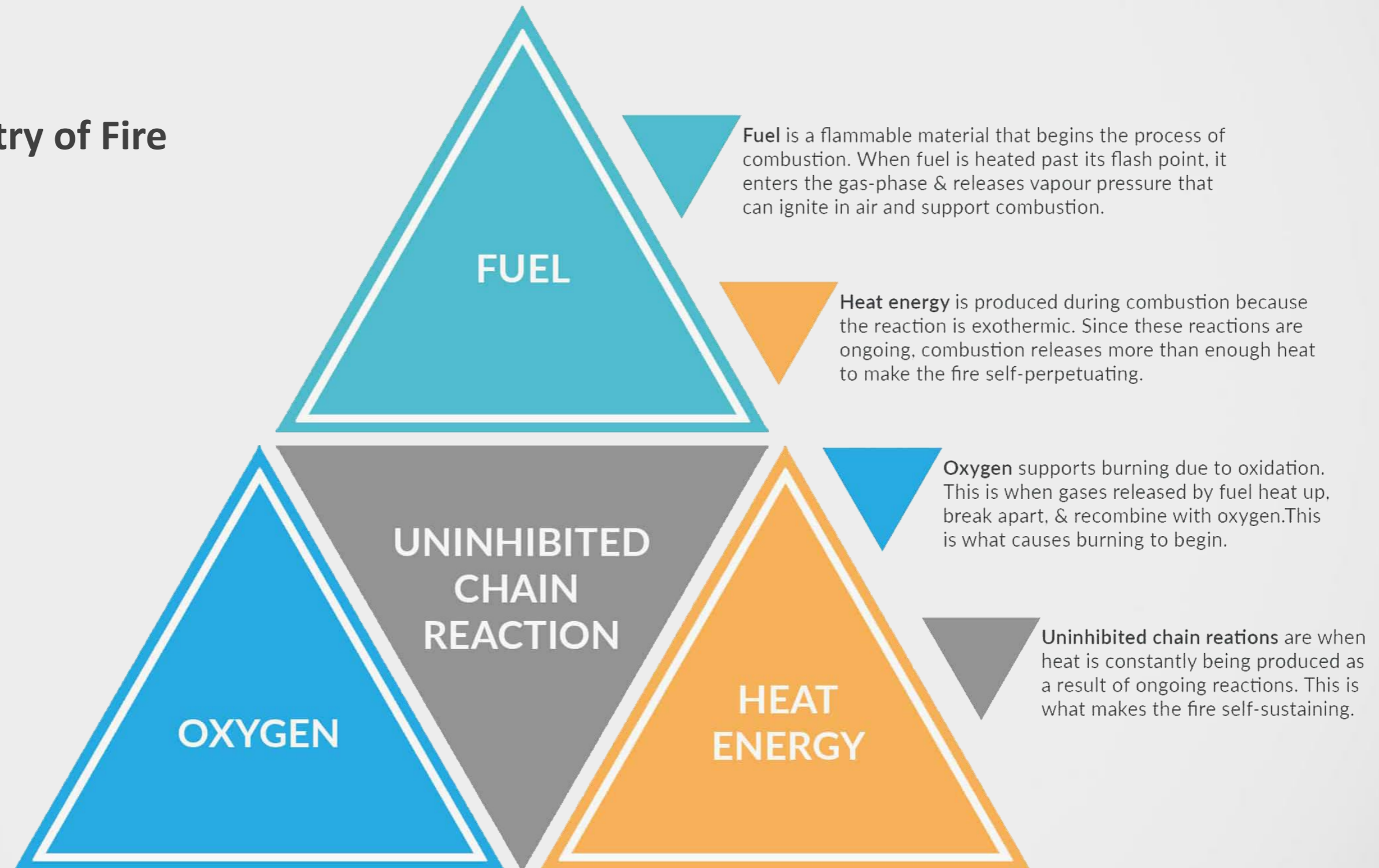
An end-to-end solution from small to large claims for both mitigation and reconstruction of any size or type.

Fire/Smoke Restoration



Fire/Smoke Restoration

The Chemistry of Fire



Fire/Smoke Restoration Process



Emergency Response

- Site preservation/stablization
- Peace of mind
- Services provided in a respectful manner
- A measured mitigating approach
- Coordinated team effort and next steps

Fire/Smoke Restoration Inspection

Inspection: Heat Line

- Smoke & heat increase, heat rises carrying along with it contaminates.
- Heat collects at the ceiling and progresses downward.
- **ANYTIME** a heat line is visible, expect much heavier damage above it.



Fire/Smoke Restoration Inspection



Smoke Tags

- People believe they are from poor house cleaning.
- Actual result of certain plastics and rubbers burning.
- As heat rises heavy smoke webs accumulate in corners

Fire/Smoke Restoration Pre-Clean

The Fire Call to Action

Mitigation: At Risk Surfaces

- Chrome
- Marble
- Porcelain
- Tile/Grout
- China
- Crystal
- Metal & Glass Surfaces
- Faucets
- Towel Bars
- Aluminum Window Frames

Time Stamp	Consequence to Delayed Mitigation
Minutes	Acid and oily residues coupled with high temperatures may cause discoloration to plastic surfaces
Hours	Acid residues will stain grout, fiberglass fixtures, Formica counter tops and appliances will begin to fade
Days	Metal becomes corroded and pitted, walls yellow permanently
Weeks	Crystal, glass and china may be permanently damaged. Carpet fibers yellow permanently

* IICRC – Fire Damage Restoration

Fire/Smoke Restoration Options

Restoration Options

Cleaning:

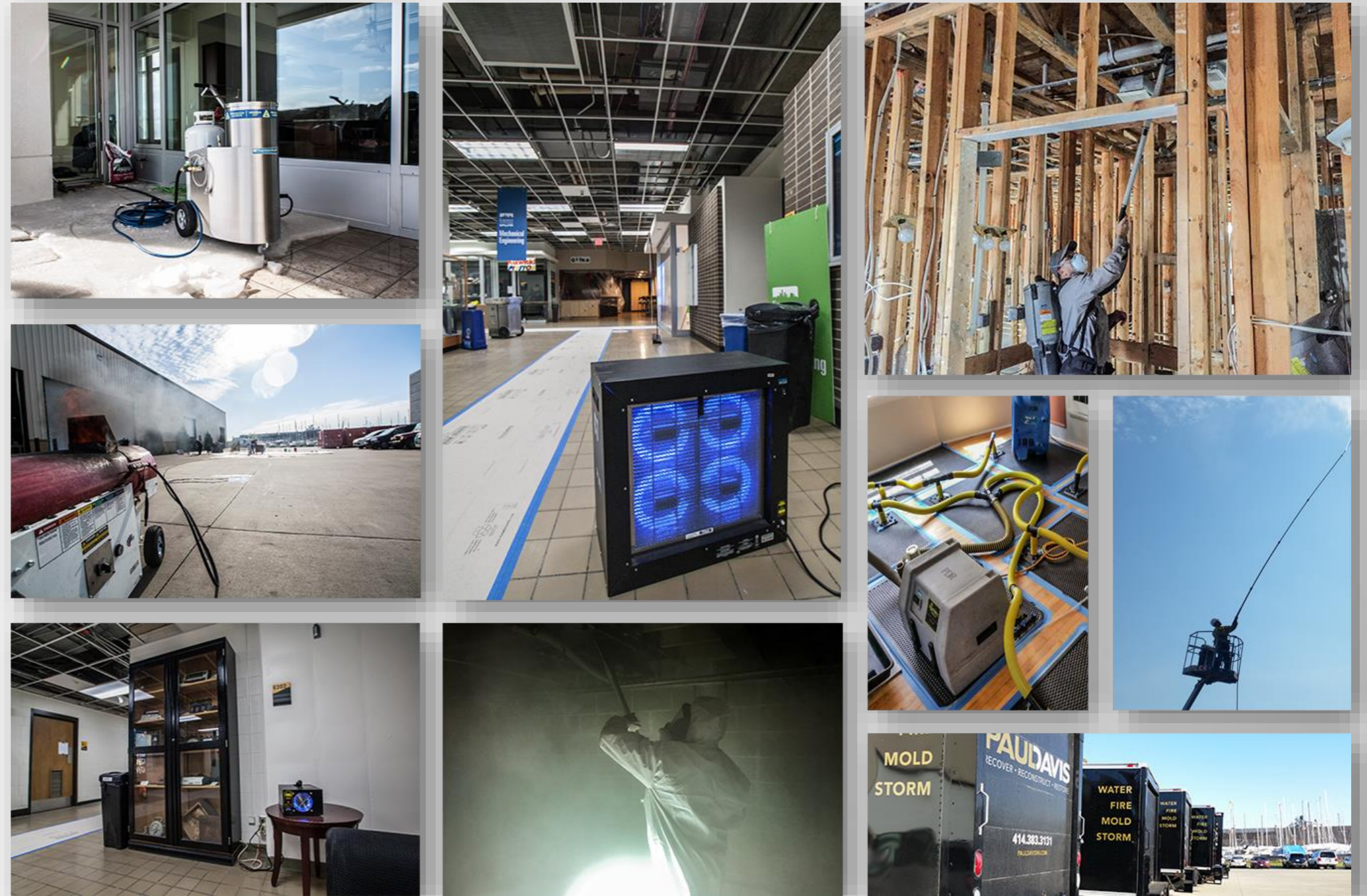
Least expensive, preserve & protect the surfaces, while attempting to return the surface to its pre-loss condition

Resurface:

Painting is an example.

Replacement:

Removing and replacing of floor covering, cabinets, appliances and other structural materials.



Fire/Smoke Restoration

Deodorizing & Cleaning

Deodorization

What is the first step in deodorization?

Remove the source

Odors are amplified by humidity and?

Temperature

Effective deodorization is obtained with....

Ozone, Hydroxyl, Thermal Fogging, Air Scrubber & Vaportek

Cleaning

Does the ductwork need cleaning if it wasn't running?

Yes

Disposable Filters?

Should always be replaced

What is a puff-back?

A malfunction in an oil fired heating system

Fire/Smoke Restoration Tools

Deodorization: Media Blasting

Media Blasting is generally used to remove surface contaminants that cause odors and visual signs of soot/smoke damage. A pressurized fluid, typically compressed air, or a centrifugal wheel is used to propel the blasting material (often called the media).



Fire/Smoke Restoration Tools



Deodorization: Hydroxyl

Hydroxyl radicals (OH) are created naturally in the atmosphere when the sun's ultraviolet rays react with water vapor (H₂O) and oxygen (O₂). They rapidly decompose chemicals in the air and are often referred to as "nature's broom" because of their crucial role in helping to keep the Earth's atmosphere clear of harmful organic and inorganic compounds. Hydroxyls work primarily by abstracting hydrogen atoms, thereby dismantling the molecular structure of odors and volatile organic compounds (VOCs). Powerful hydroxyl generators using the same broad range of UV radiation as the sun are now used to naturally clean and deodorize indoor environments. The hydroxyls created by these generators are very efficient at eliminating smoke and other odors, permanently.

Translation: stinky air is safely neutralized and your staff doesn't have to leave the building.

Fire/Smoke Restoration Tools



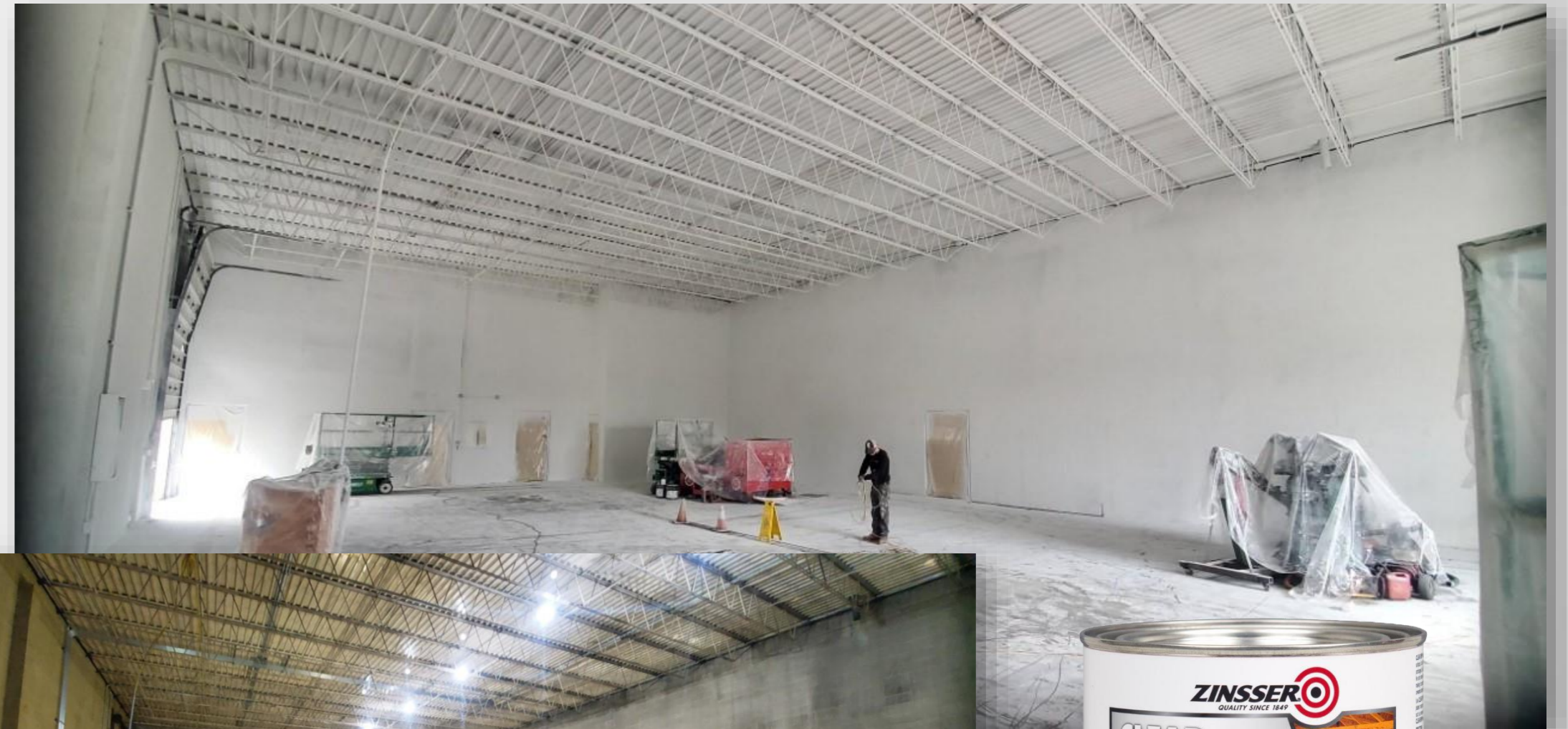
Deodorization: Air Scrubbers

Negative air refers to the act of scrubbing the air with a HEPA filtering device and discharging it outside of the sealed environment.

Fire/Smoke Restoration Product

Deodorization: Sealer

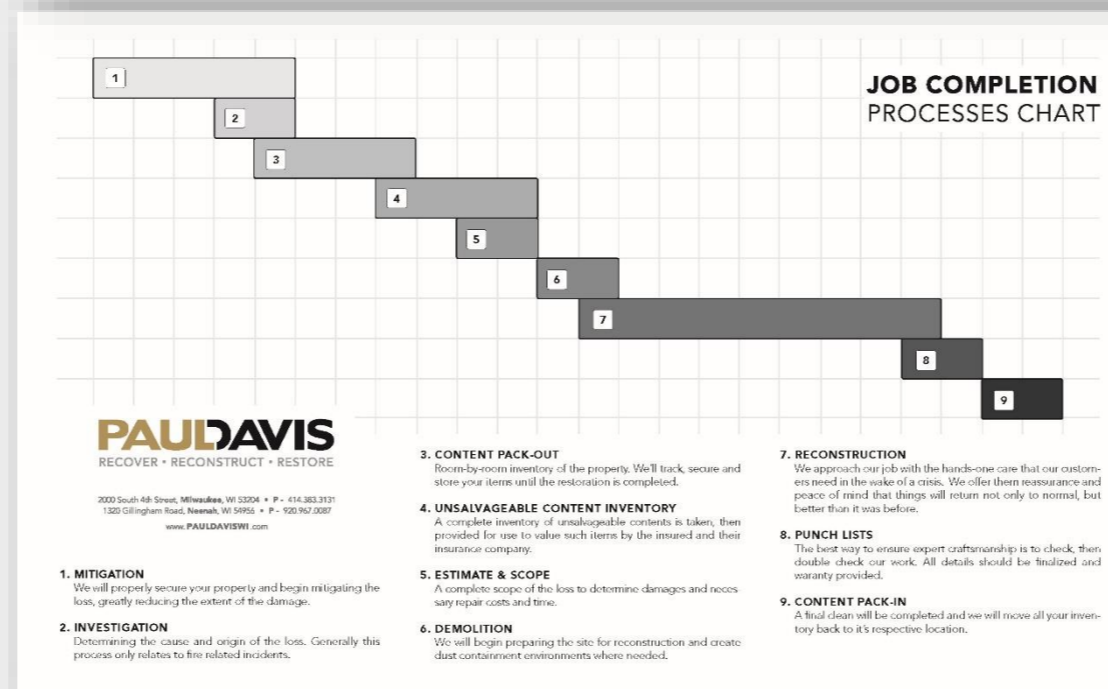
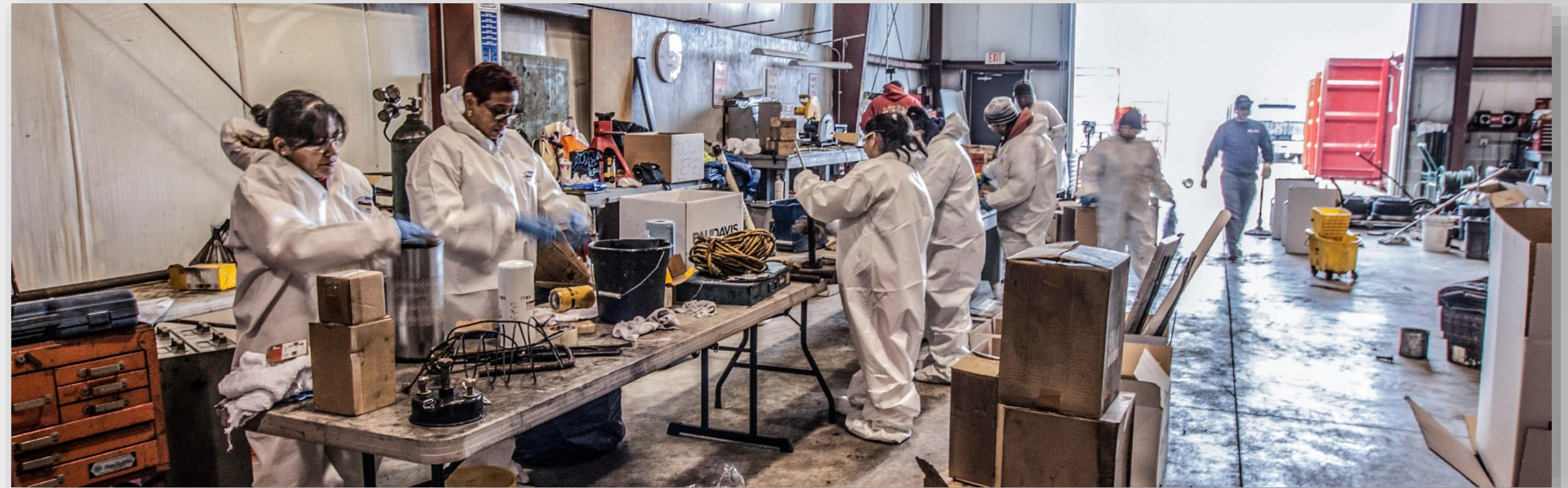
- Sealers are used to seal the surface after cleaning.
- As a stain sealer, **B-I-N** is unsurpassed. Water stains, mildew stains, nicotine, etc. can all be sealed with B-I-N.
- One coat application.



Fire/Smoke Restoration Contents

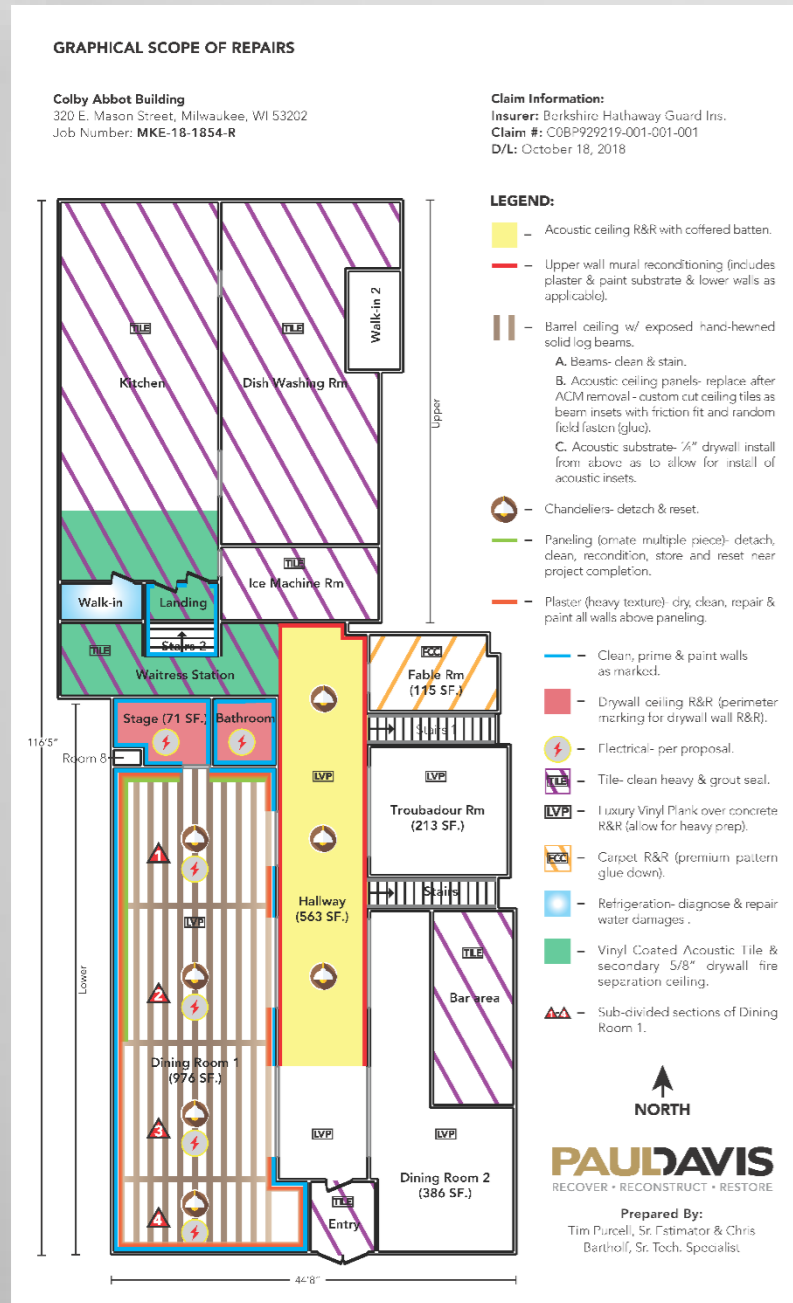
Contents Time Line

- Field inventory
- Pack-out
- Load-in
- Non-repairable inventory
- Appraisal service
- Cleaning
- Return



Fire/Smoke Restoration Tools

Matterport, Drones & Documenting the Losses



Consulting Services

PAULDAVIS
RECOVER • RECONSTRUCT • RESTORE



Construction
Consulting Services

SOLUTIONS built on **EXPERTISE**

An industry leader in restoration and general contracting, Paul Davis works directly with commercial and private industries, and is responsible for properly investigating, assessing, and reporting construction related damages.

We have the experience and the expertise to properly analyze the cause, effect, and full extent of damage to your building(s) by providing and facilitating:

- Building Evaluations
- Quality Detailed Reports
- Detailed Cost Estimates
- Legal Procedures
- Design Assistance
- Contract Administration

We're proud to provide technical support and construction expertise to insurance companies, attorneys, contractors, owners, lenders and design professionals in public, private and government sectors. For more information visit:

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Thank You



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