Case Study — Manufacturing

industry

MPW Restores Vintage Warehouse Following Fire and Smoke Damage

"The rapid response of all partners exceeded the expectations of the client."

- Owner, General Contractor.

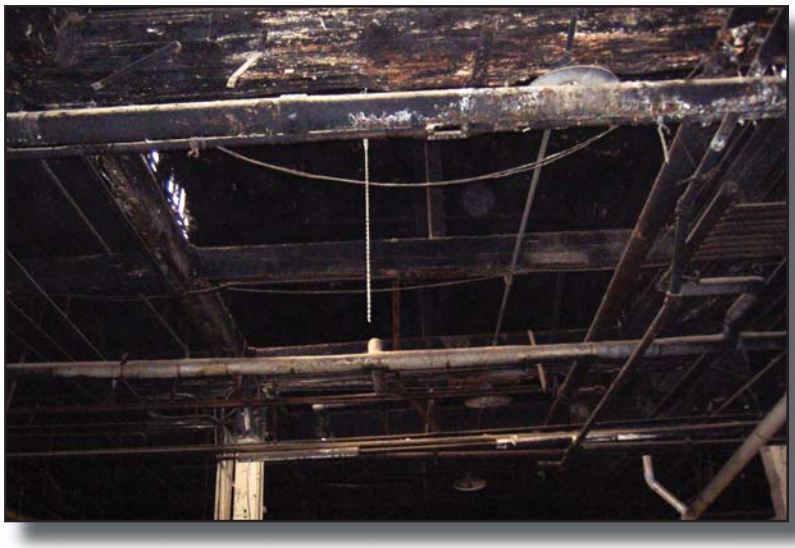
Problem

Employees of a Northeastern cabinetry manufacturer called firefighters to the scene when a fire broke out in a vacant quarter, of the century-old warehouse, slated for expansion. Flames destroyed a 50' x 30' section of roof, windows and antiquated support beams. Smoke migrated throughout 4,000 sq. feet of the warehouse, adhering to building components in its path. Authorities secured the area to examine the damage. Further investigations determined that the fire was attributed to a roofing contractor's hot tar application. Due to aged wood and lack of fire prevention insulation, the hot tar ignited the existing roof decking.

The insurance adjuster's assessment of $425,000 in damages would provide for reconstruction of a roof, new windows and updated wood infrastructure. A cleaning procedure was mandated to remove smoke and soot damage from the 3-story ceiling, brick walls, structural beams and concrete flooring. The manufacturer contracted a restoration contractor to manage all aspects of the project as general contractor. MPW was tapped by the general contractor to provide personnel, and industrial cleaning expertise in completion of the restoration solution.

MPW Solution

A team of MPW operations personnel met with the general contractor and building owner to perform a walk-thru of the secured scene. MPW addressed safety issues and structural uncertainties. Following the walk-thru, MPW personnel submitted a recovery procedures plan encompassing cleaning applications and further minimization of damages. After several plan revisions, MPW was awarded a 7-day window to complete the restoration process with no



A team of MPW specialists responded immediately to the scene of destruction to determine the extent of damage, scope of work required and scheduling of crews. MPW safety personnel inspected structural hazards that needed to be addressed prior to executing the restoration project.

MPW Industrial Services

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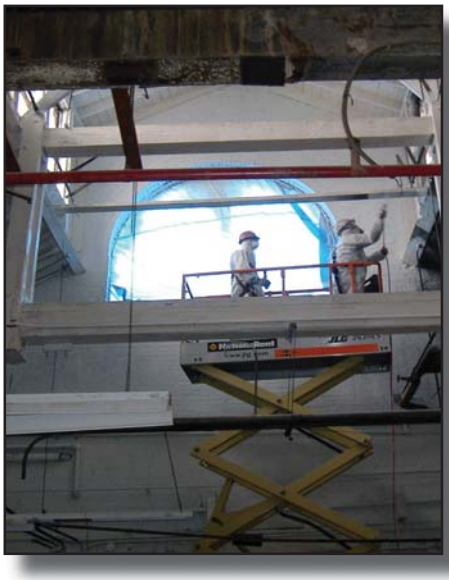
disruption to new construction. To properly address smoke damage, MPW technicians needed to safely remove hundreds of feet of decommissioned process piping that was obstructing access to areas scheduled for restoration. Following the cleaning process, an Alkyd sealer formulated to inhibit smoke damage, odor and mold, would be applied to the brick walls, ceiling and structural beams. 10-hour shifts were anticipated so that the slightest departure from the cleaning schedule would not conflict with the projected completion date.

Results

Within hours, ancillary equipment and a cross-functional team of MPW specialists were dispatched to the warehouse to begin the restoration process. A Job Safety Analysis (JSA) was implemented due to overhead obstructions and electrical hazards. MPW safety personnel observed as technicians boarded scissor lifts with reciprocating saws, cutting and dismantling the decommissioned piping. To ensure adherence to safety and operational requirements, technicians gathered dismantled piping to relocate to a designated area of the building for recycling. Electrical boxes were covered in plastic and identification tape. Approximately 4,000 sq. ft. of the warehouse affected by the fire damage received a complete wipe down. Compressed air and vacuums were utilized to remove accumulated sawdust, tattered paint,

Full restoration of the warehouse was completed under an aggressive timeline in order to minimize potential business interruption, due mainly to the support and communication between MPW 's restoration team and the client management team.



A seamless spray application of Alkyd sealer was applied to the brick walls, ceiling and support beams. The meticulous approach resulted in complete coverage, eliminating all traces of surface damage to existing infrastructure.

fugitive dust and soot. Scissor lifts elevated to 40 ft. offered narrow access capability within congested quarters. Following stringent cleaning procedures, MPW technicians applied numerous coats of Alkyd sealer to the interior infrastructure using paint guns. The sealer successfully encapsulated smoke damage, discoloration and faint odor that had altered the interior brick and wood. Technicians used hydroblasting and vacuuming techniques to restore the floor, followed by an application of epoxy floor paint.

MPW operations personnel restored over 4,000 sq. ft. of contamination in the time allotted and returned the warehouse to a like-new condition. MPW's restoration efforts impressed the general contractor and owner so much so, they initiated 50 additional man-hours to perform a complete wipe down on two adjacent rooms unaffected by the fire.