

# **Post Water Infiltration Treatment Report**

For  
25 Sigourney Street  
Hartford, CT 06106  
DPW Project Number B1-2B-033L

Prepared For  
**STATE OF CONNECTICUT**  
Department of Public Works

October 14<sup>th</sup>, 2008



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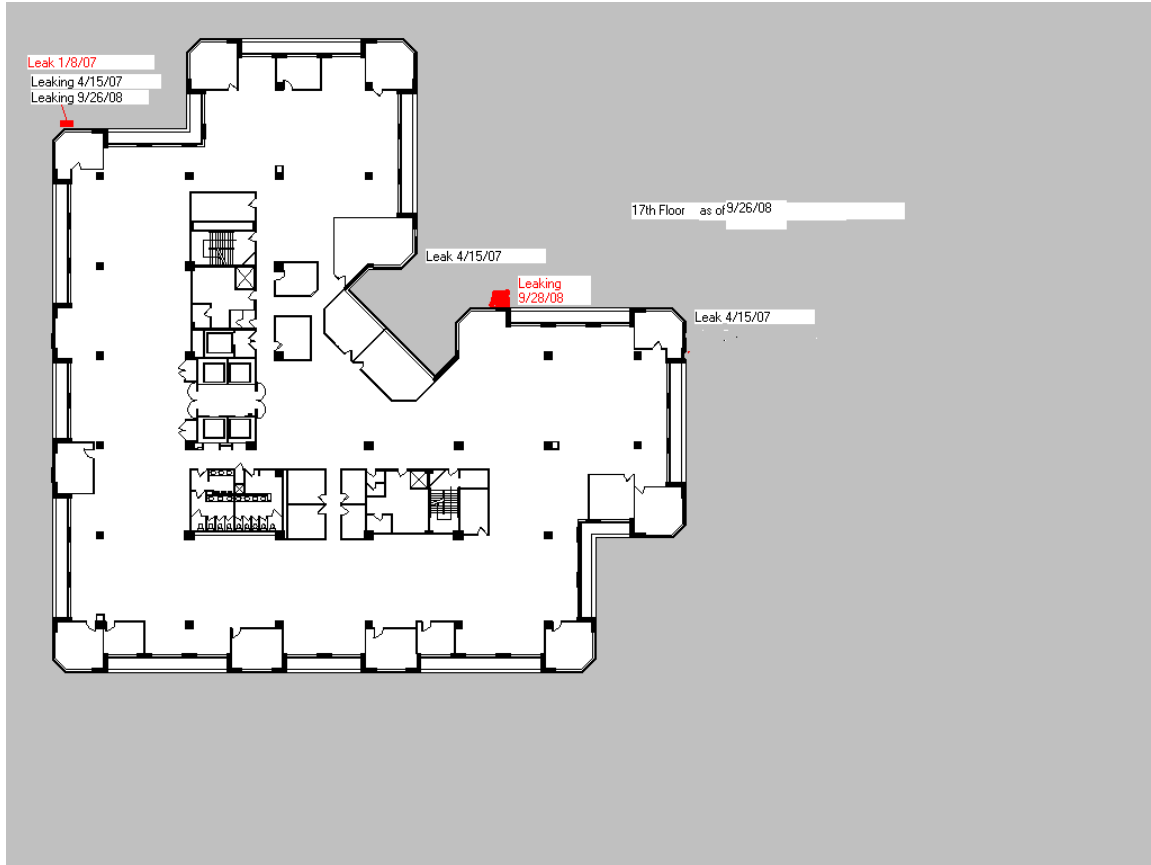
## **EXECUTIVE SUMMARY**

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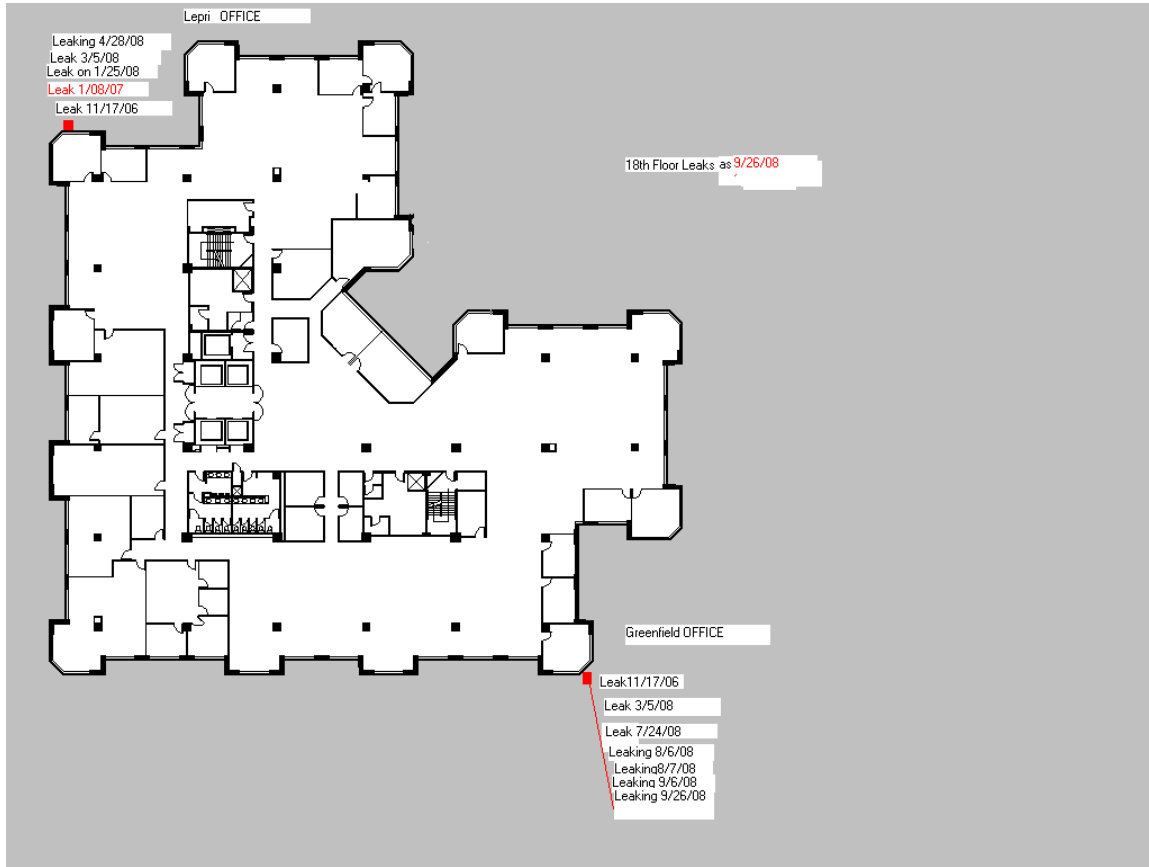
At the request of Connecticut Department of Public Works, Silver Petrucelli & Associates, Architects and Engineers was retained to conduct a water infiltration study at 25 Sigourney Street Hartford, Connecticut. Field work was conducted by Silver Petrucelli & Associates, Architects and Engineers as well as Kelly Enterprises, during June and July, 2007, to evaluate and determine the cause of repeating leaks in the 16<sup>th</sup>, 17<sup>th</sup>, 18<sup>th</sup> and 19<sup>th</sup> floor of the office building at 25 Sigourney Street. After water was determined to be gaining access to the building via a small gap between the metal flashing above the window heads and below the thin paper membrane flashing, Silver Petrucelli & Associates proposed sealing this gap in order to impede the passage of water into the building. In later November of 2007, this remedy was tested at several locations on the 19<sup>th</sup> floor. (The southwest corner balcony window head and at the northeast balcony window head) After almost a year of weathering, without further leaking at these two locations, it was determined that this solution was strong enough to resist the infiltration of water into the building. On October 13<sup>th</sup>, 2008 a small crew from Kelly Enterprises along with members of Silver Petrucelli & Associates, returned to 25 Sigourney St. in Hartford to repeat this process on several other locations in the facility still reported to be leaking at this time. Future storms will prove if this solution in fact solves the water infiltration into the facility, as water testing the fresh sealant will be detrimental to the new joints. However, after positive results from the original two windows fixed in November 2007, we believe that the work performed in October 2008 should eliminate further infiltration of water into the building at the locations where sealant was applied. Below please find plans indicating areas sealed in October 2008 along with images of the crew performing the work.

# LOCATIONS OF LEAKS

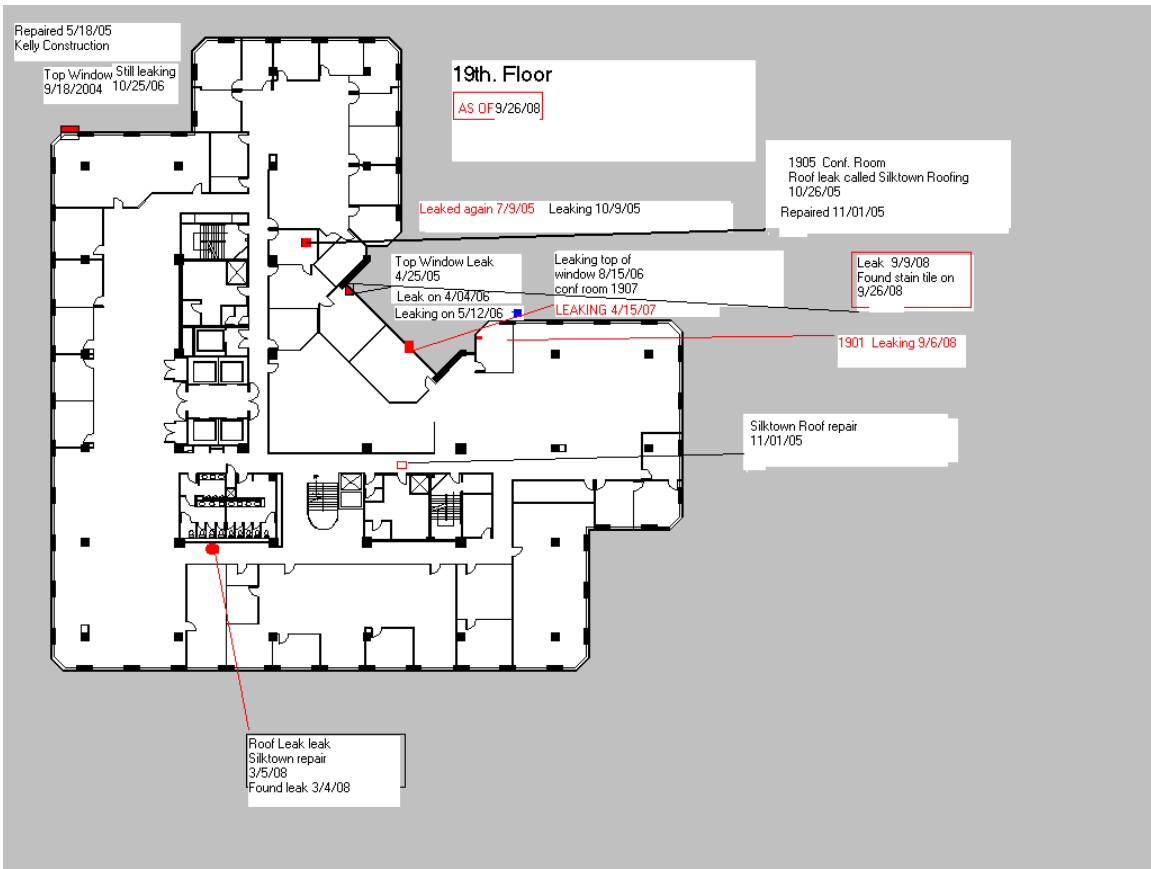
## 17<sup>TH</sup> FLOOR



# 18<sup>TH</sup> FLOOR



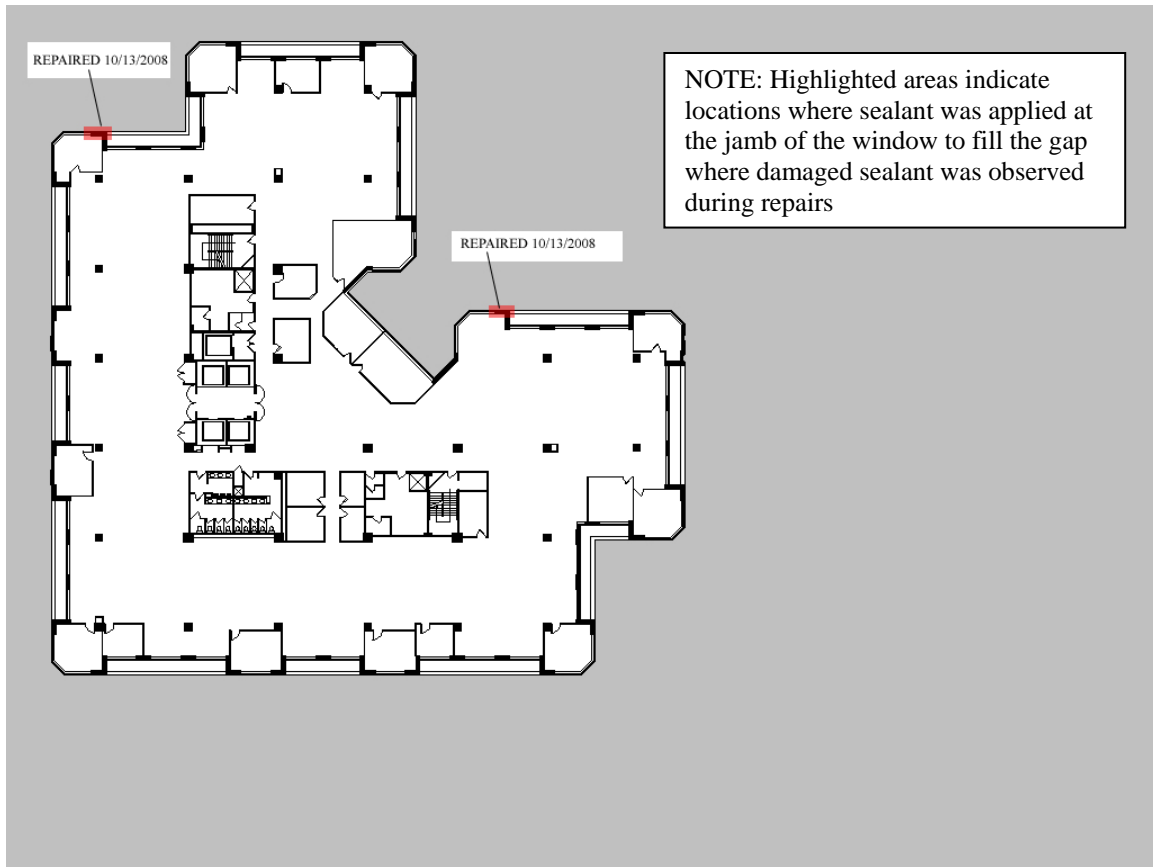
# 19<sup>TH</sup> FLOOR



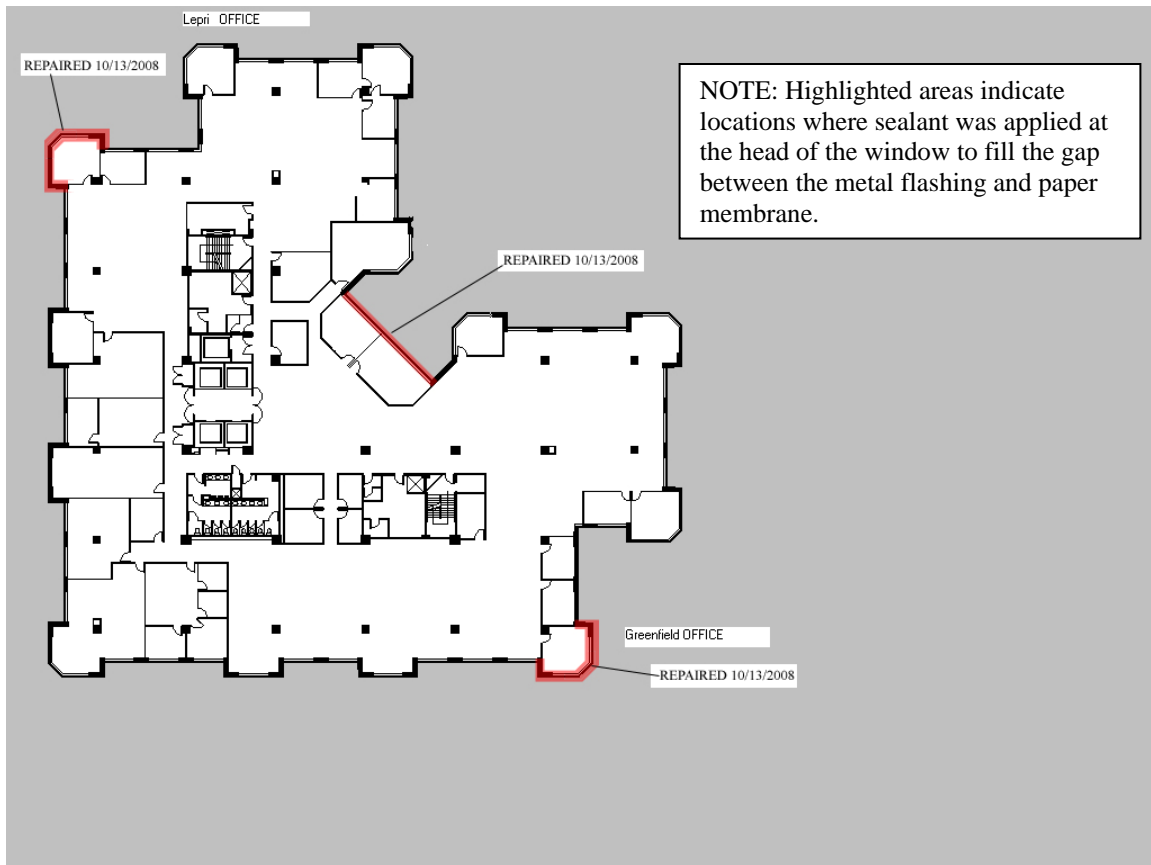
## LOCATIONS OF REPAIRS

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### 17<sup>th</sup> FLOOR

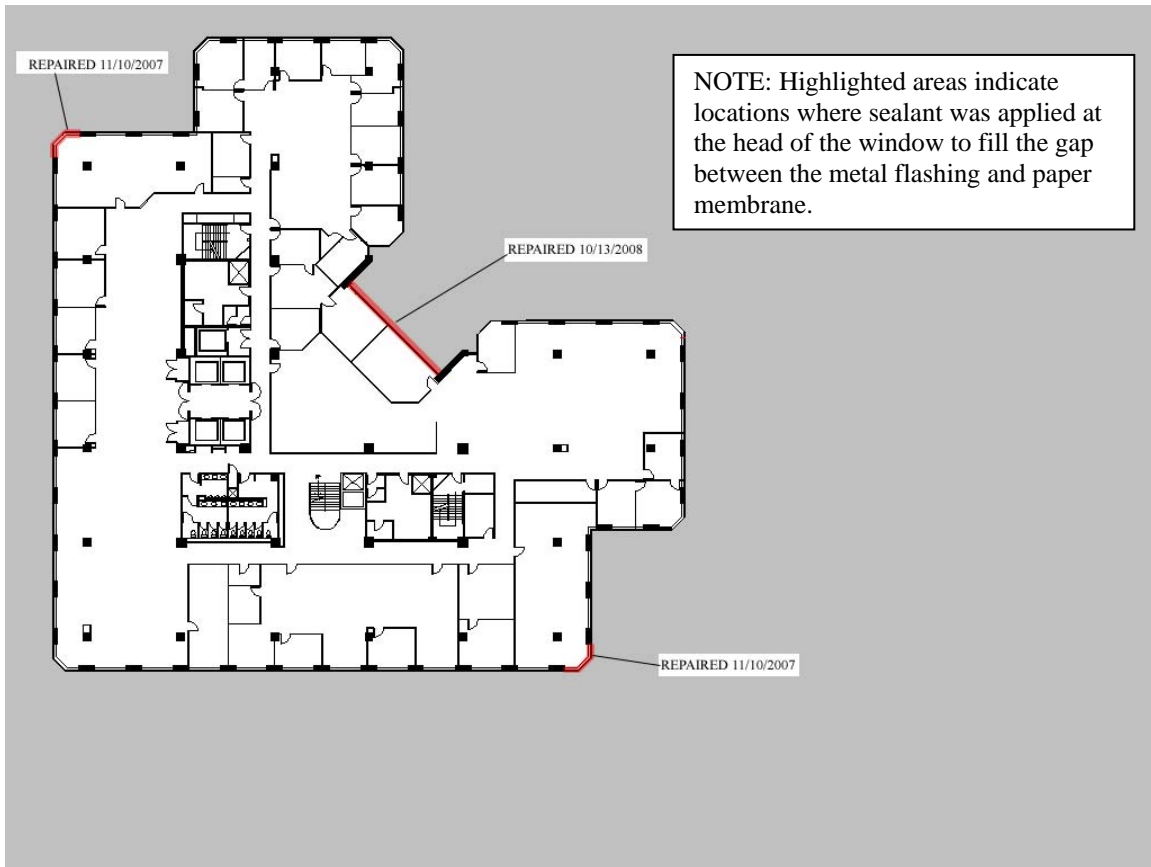


# 18<sup>th</sup> FLOOR





# 19<sup>th</sup> FLOOR



**PHOTOGRAPHS OF WORK PREFORMED ON OCTOBER 13<sup>TH</sup> 2008**

