

# Herbert C. Hoover Building Renovation

## Washington, DC



GSA





# What Flooding?

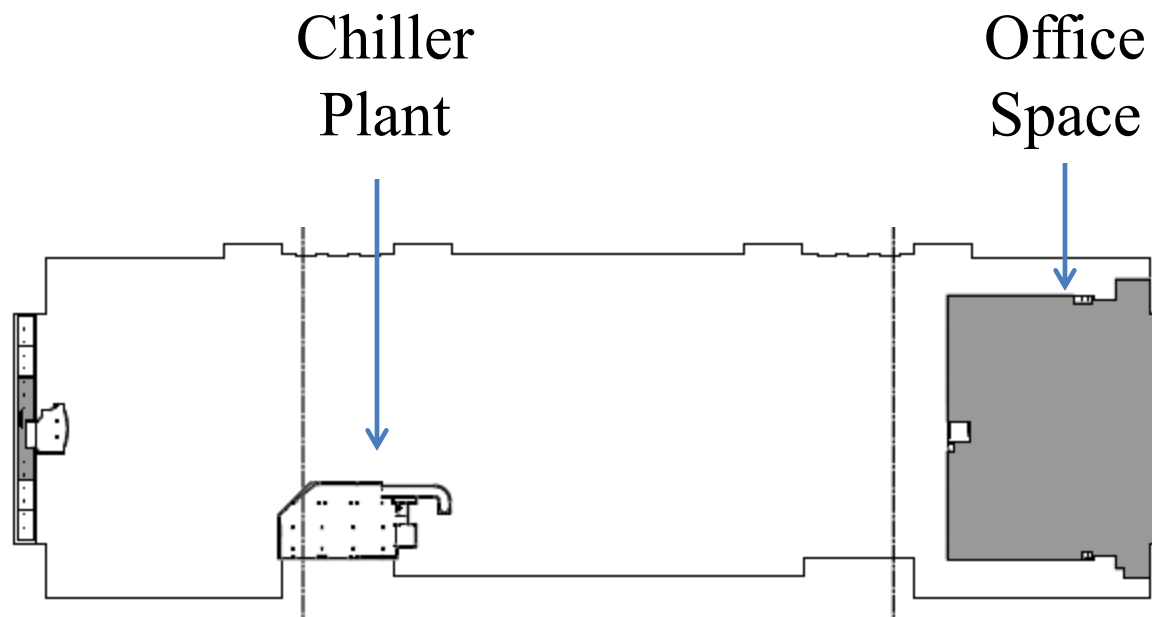
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# Background

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- History of flooding in subbasement areas.



- Flooding into basement areas of the building from the GSA Steam Tunnels.



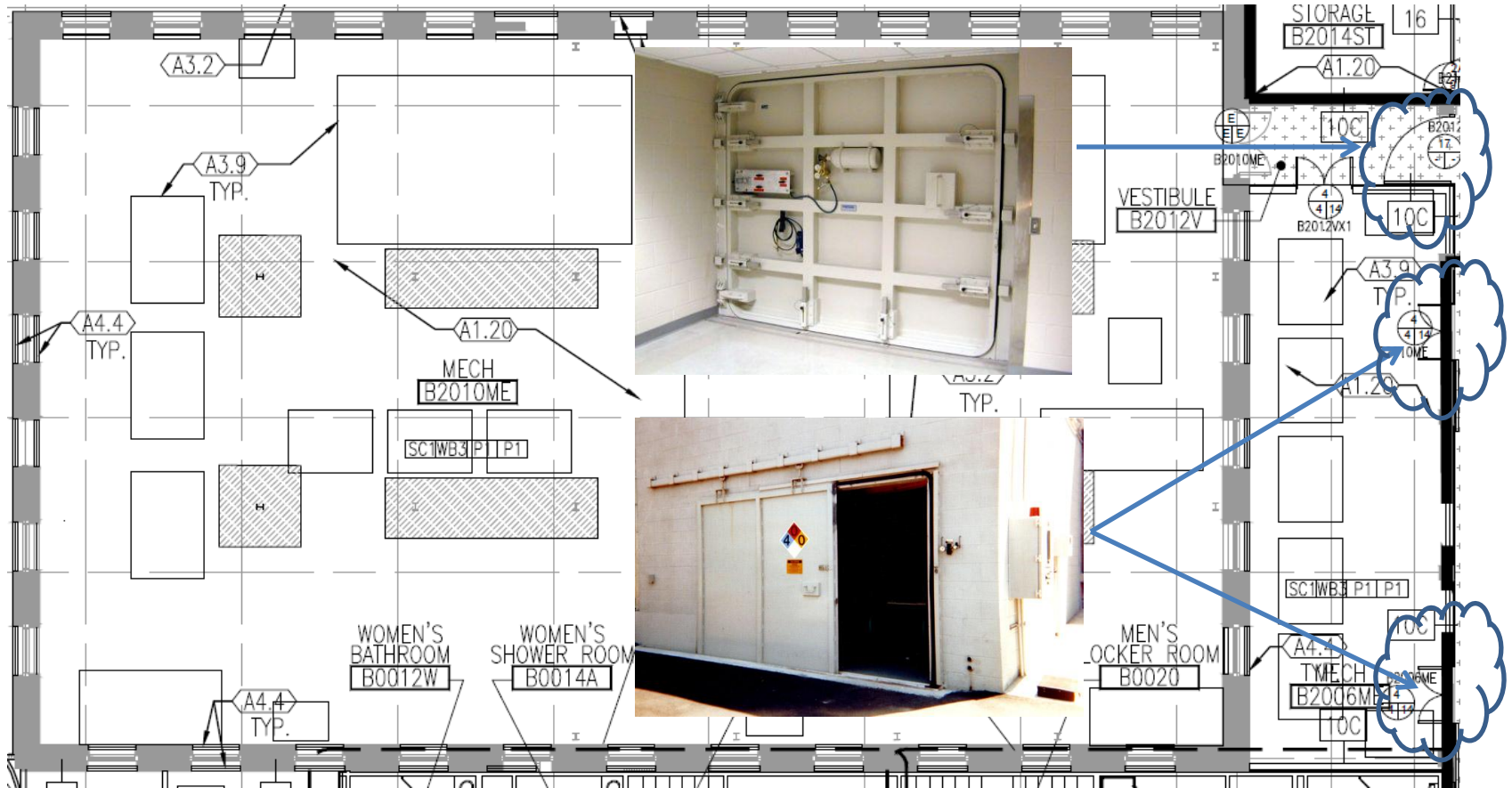
# Corrective Measures

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## Chiller Plant:

- Relocate chiller plant to higher elevation (basement versus subbasement)
- Crystalline Waterproofing & Watertight Doors
- Old location: New space built at basement versus subbasement level. Subbasement level is abandoned.

# New Chiller Room





# Corrective Measures

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## Floor A Office Space:

- Floor has cracks sealed & chrySTALLINE waterproofing applied.
- New sump pits for under slab drainage system.

## **New Problems:**

- Space flooded September 6<sup>th</sup> after earthquake & 2 hurricane events.
- Exploratory work still in progress.



# Corrective Measures:

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Steam Tunnel Access: TBD

Note: Steam Tunnels are maintained by HOTD.



# Preventative Measures

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## Electrical Equipment Enclosure (EEE):

- Main electrical controls and emergency power are all located in the EEE.
- EEE location selected was new construction on top of 1<sup>st</sup> floor structure. The EEE occupies floors 2 thru 4, & will therefore not be impacted by flood events.



EEE

