#### 130 Liberty Street - Case Study

#### Robert Smilowitz

Weidlinger Associates

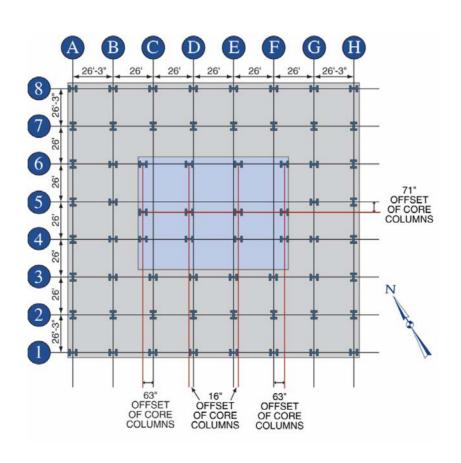
New York • Cambridge • Mountain View • Washington, DC • Santa Monica • Albuquerque • Edinburgh, UK

## Gash in North Face

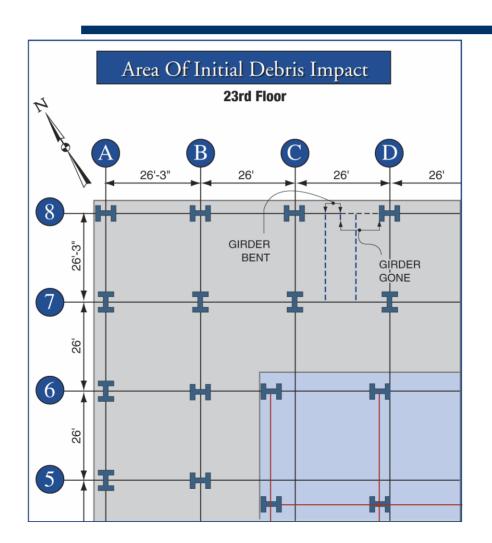




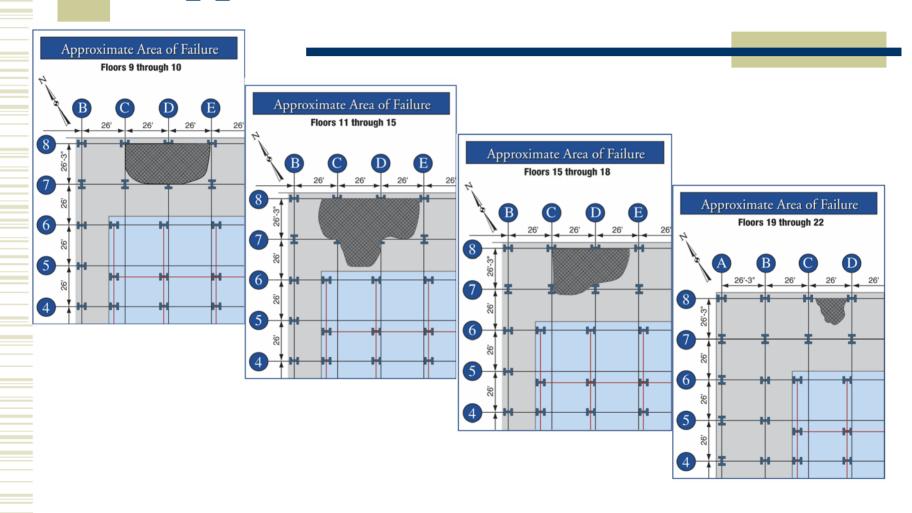
## Floor Plan Above 2<sup>nd</sup> Level



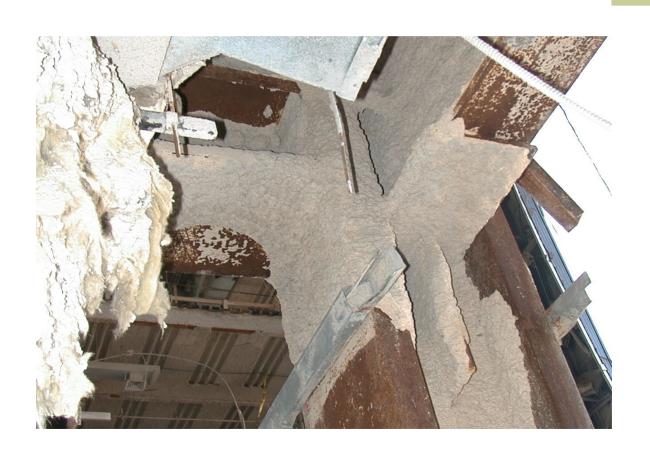
# Area of Initial Debris Impact



# Approximate Areas of Failure



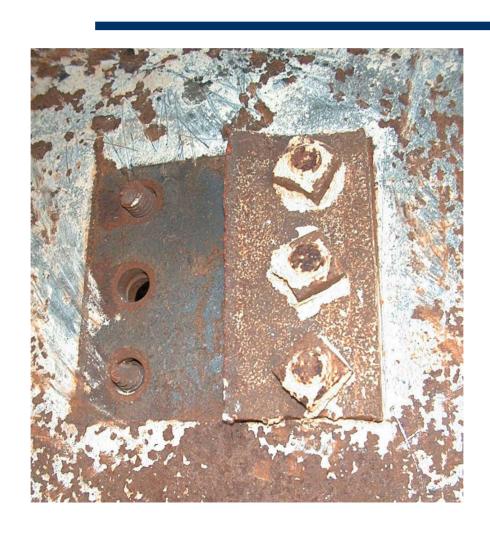
#### Beam-Column Connection



## Damaged Beam-Column Connection



## Failed Shear Connection



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