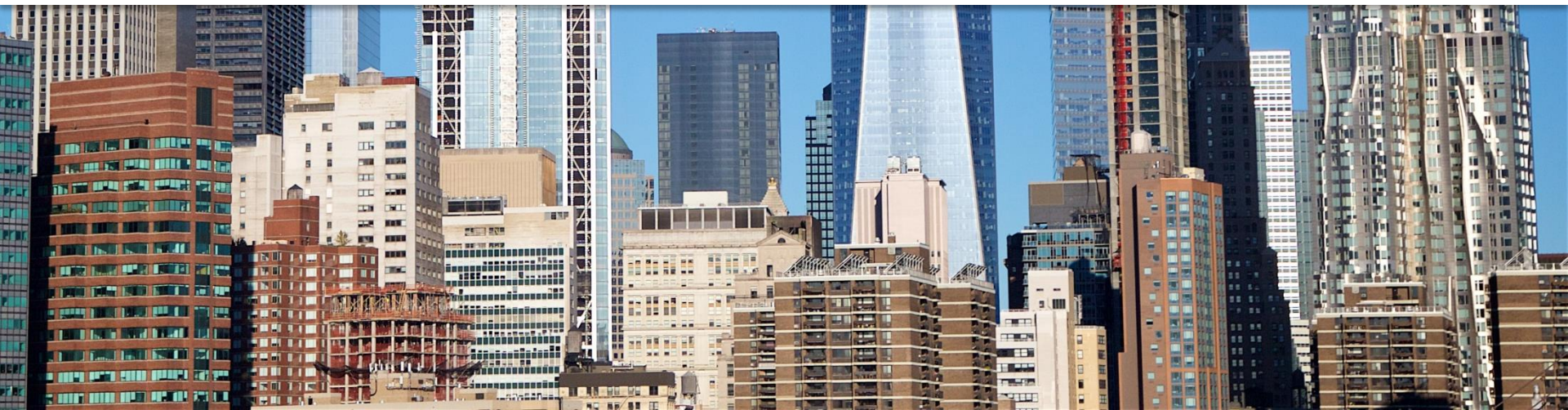




THE REAL ESTATE BOARD OF NEW YORK

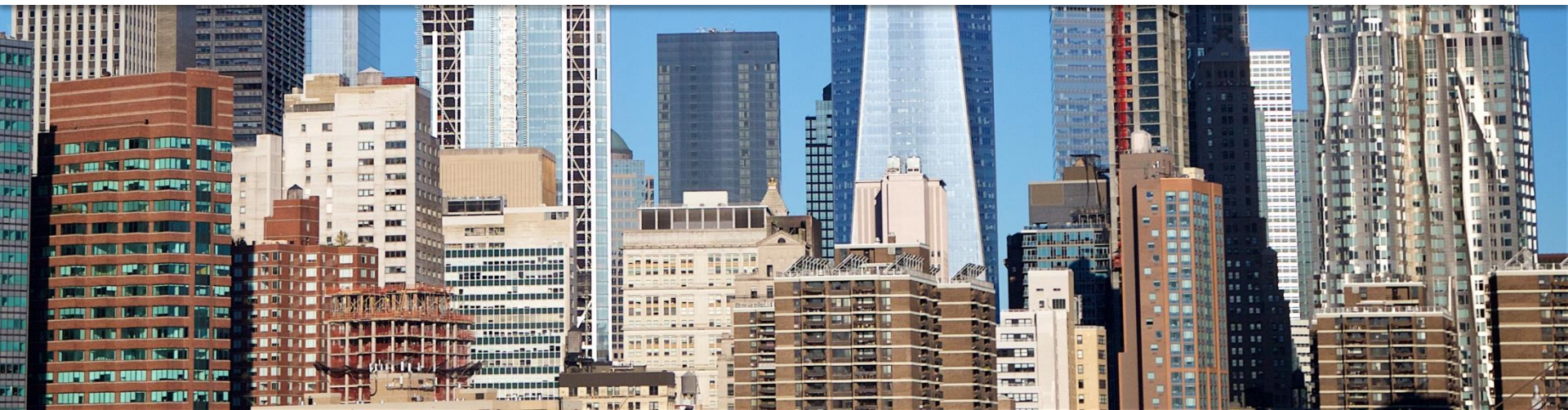
CONSTRUCTION SAFETY

REBNY Stay On Top
of New York.





ANALYSIS OF CONSTRUCTION ACCIDENTS (2010 – 2015)

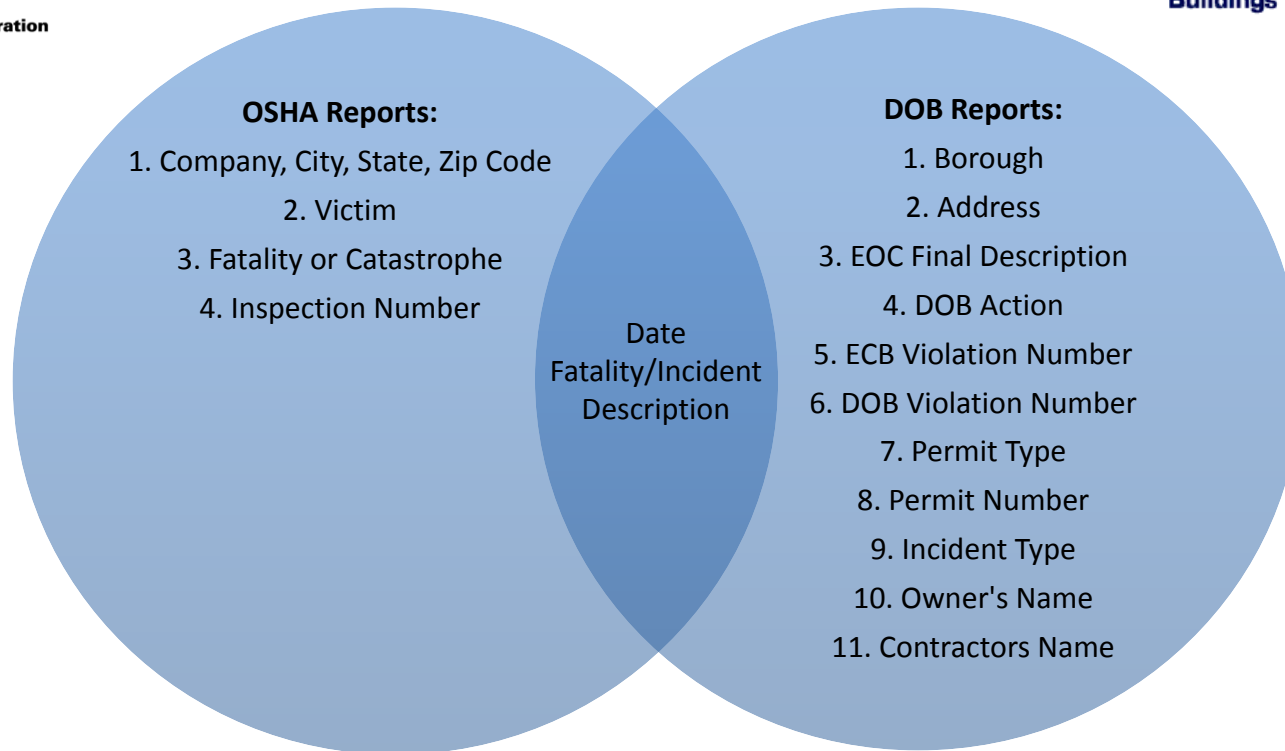


CONSTRUCTION RELATED ACCIDENT REPORTS

- In 2008, DOB enacted rule changes that made construction accident reporting more comprehensive
- DOB reports have far higher level of detail compared to OSHA records
- OSHA reports workplace accidents only, omitting pedestrian and/or bystander accidents



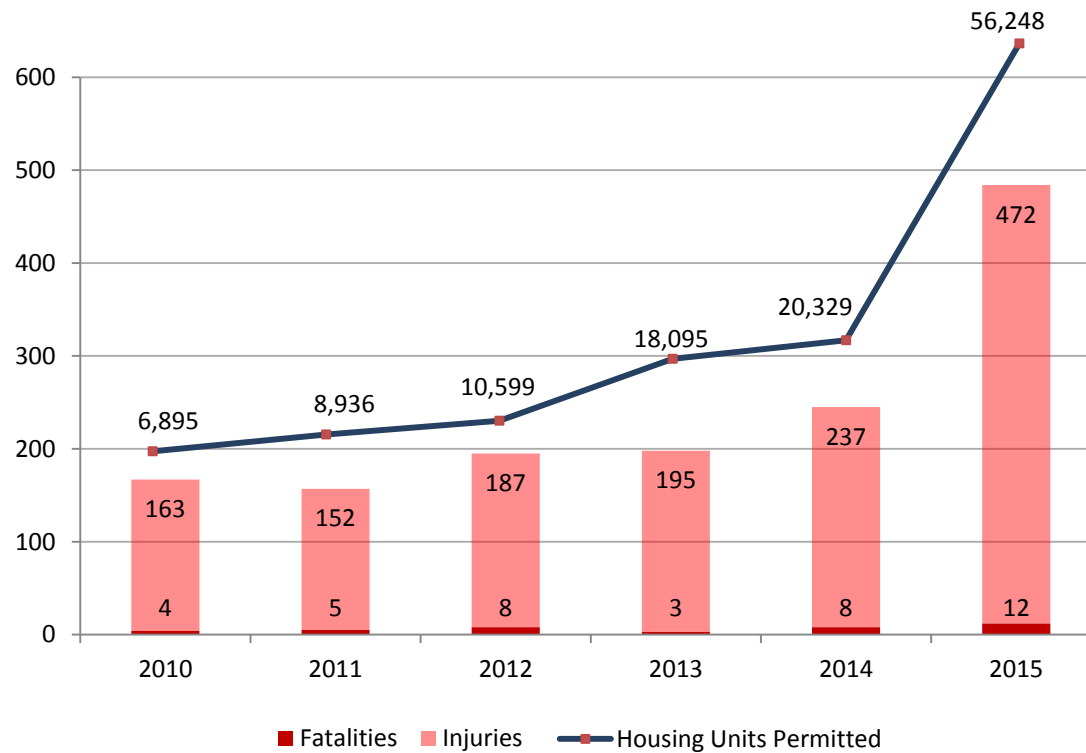
Monthly Accident Details



CONSTRUCTION ACCIDENTS BY YEAR (2010 – 2015)

As construction increases, accidents increase:

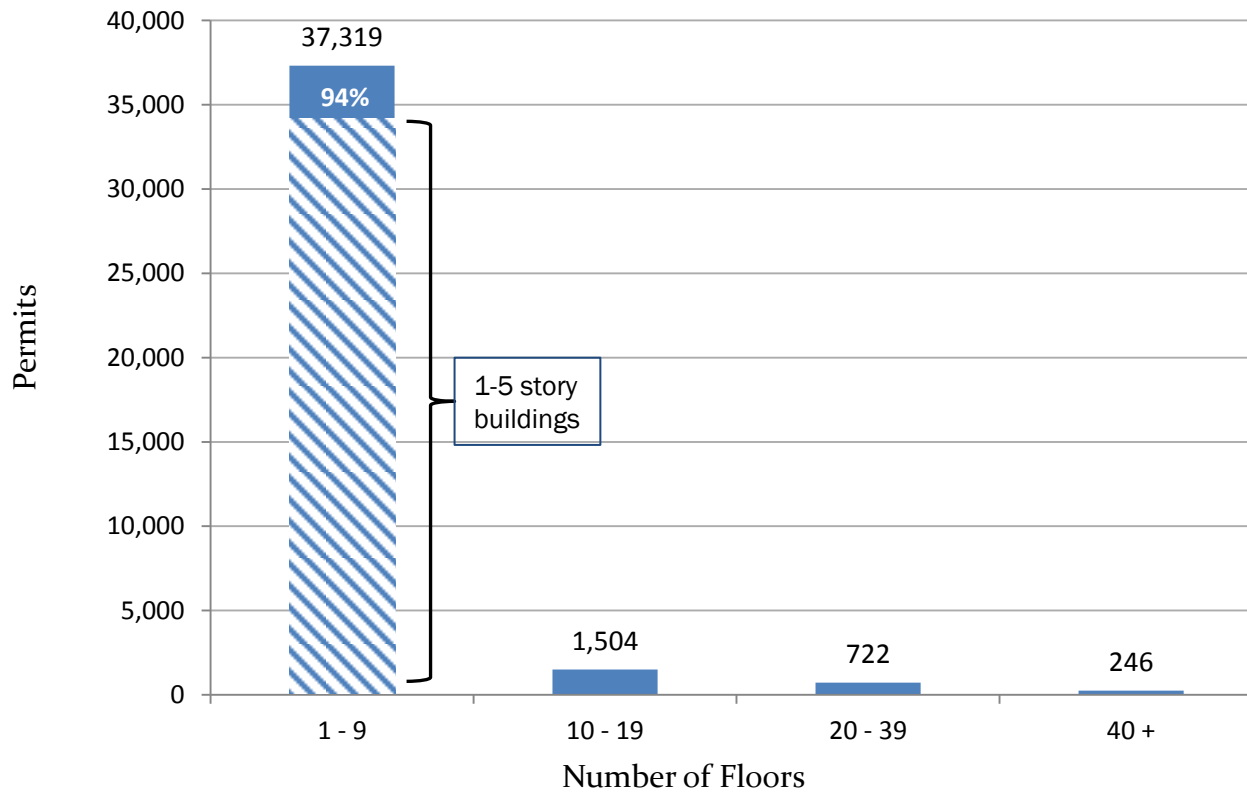
- Over 6 years, there were 1,446 accidents on 738 unique sites, resulting in 40 fatalities



CONSTRUCTION ACTIVITY BY BUILDING SIZE (2010 – 2015)

- Buildings under 10 stories account for 94% of all major construction permits
- 1 - 5 story buildings account for 86% of all new construction permits

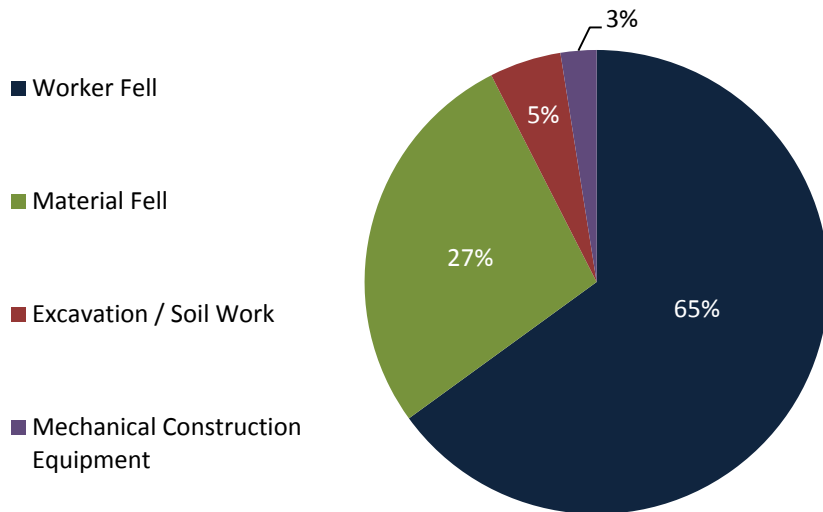
NB & ALT-1 BUILDING PERMITS BY FLOORS



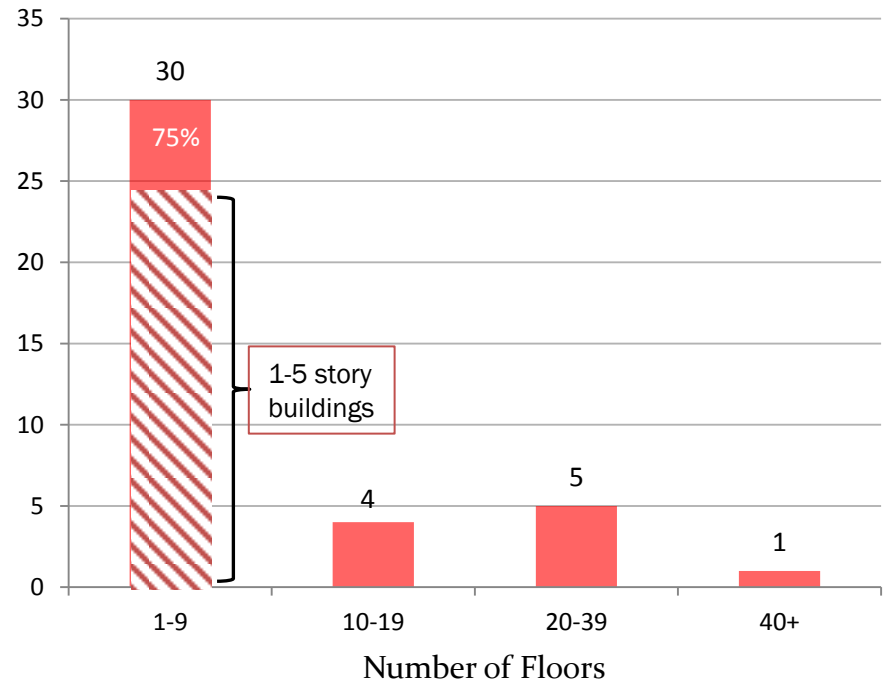
FATALITIES BY TYPE AND BUILDING SIZE (2010 – 2015)

- 92% of all fatalities are fall-related (worker or material)
- 75% of fatalities occurred on buildings under 10 stories
 - 1 - 5 story buildings account for 60% of all fatalities

FATALITIES BY TYPE

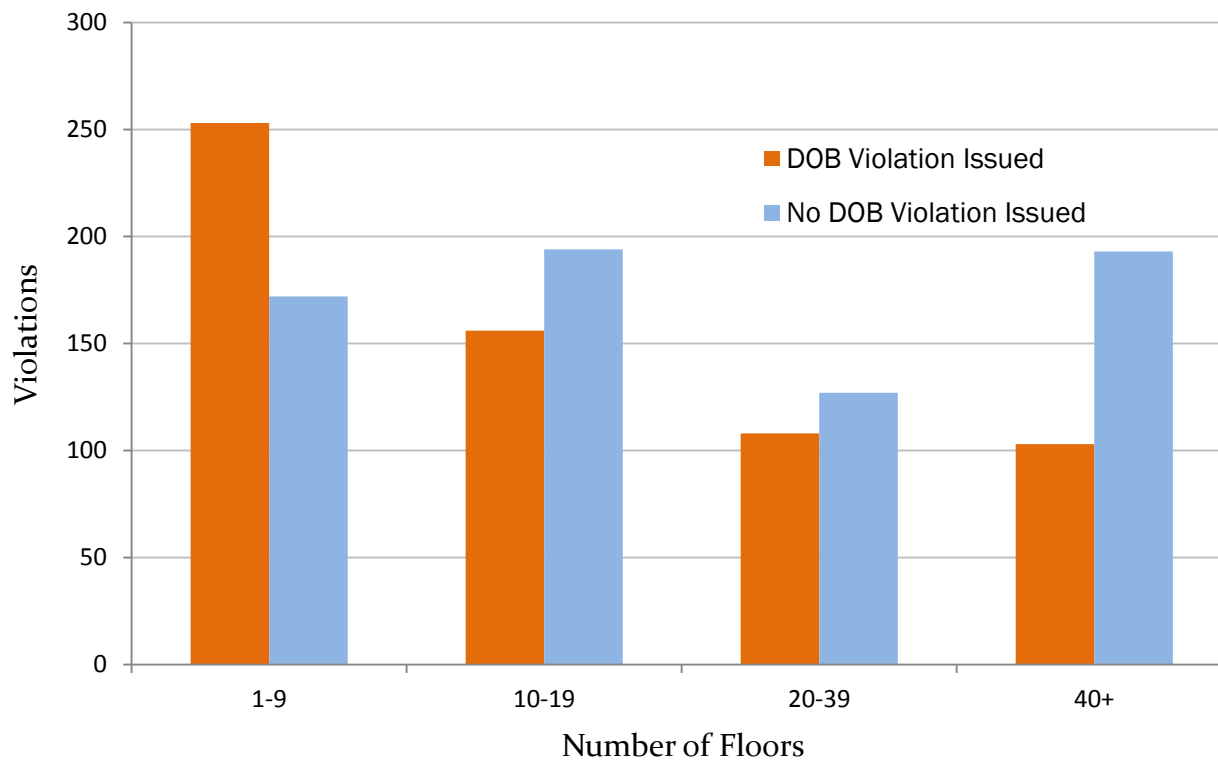


FATALITIES BY FLOORS



DOB ACTION FOR CONSTRUCTION ACCIDENTS BY FLOOR (2010 – 2015)

43% more likely to get a safety violation on smaller projects (under 10 stories) when there is an accident

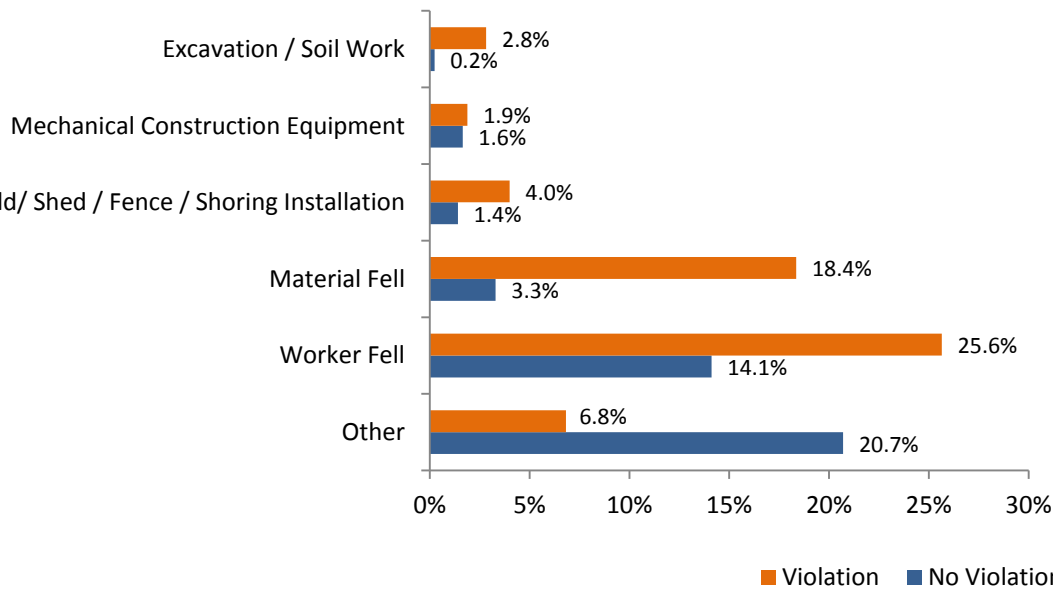


DOB ACTION BY ACCIDENT TYPE AND BUILDING SIZE (2010 – 2015)

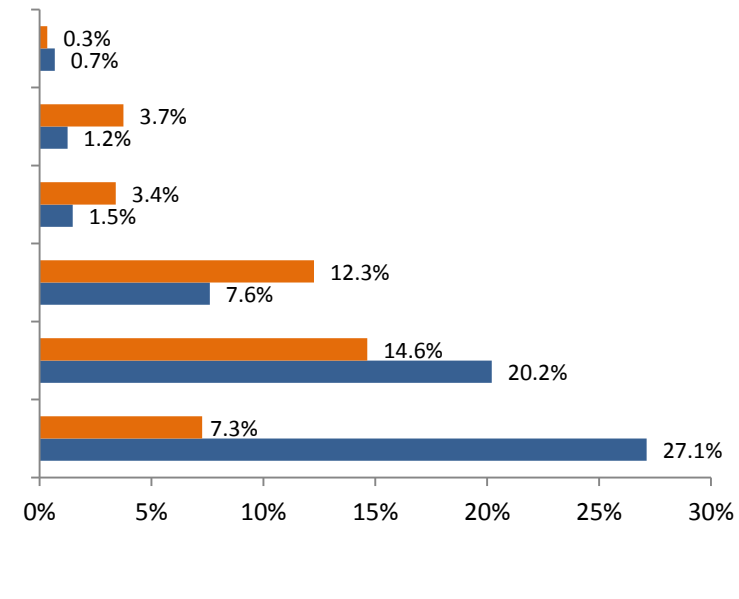
When there is an accident, smaller projects are:

- 51% more likely to get a safety violation for workers falling
- 24% more likely to get a safety violation for materials falling
- Almost 2 times more likely (170%) to get a safety violation for excavation/soil work

UNDER 10 STORIES

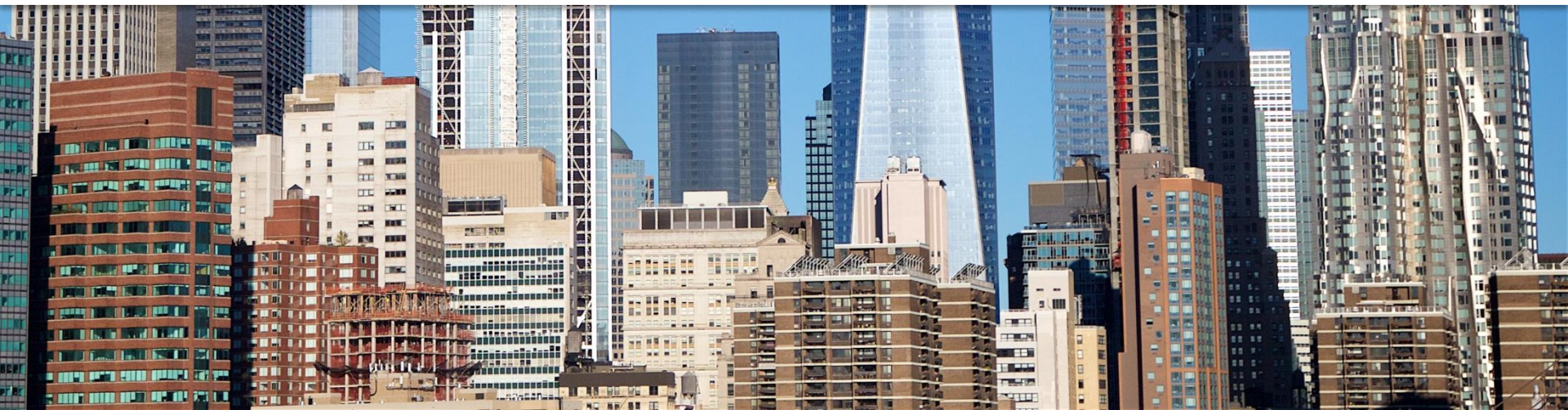


10 or MORE STORIES





STEPS TO IMPROVE CONSTRUCTION SAFETY



SAFETY STEPS FOR ALL PROJECTS

- 1) Require the use of 60” guardrail systems for all unprotected shaftways, and require full perimeter floor-to-ceiling netting on all New Building and exposed Alt-1 projects, excluding LL11 façade work

- 2) Prohibit the use of any type of personal electronic media device for social or entertainment purposes outside of designated areas

- 3) Require documented training for all workers on New Building construction projects with ID and training certification verification on at least the following topics:
 - a. OSHA 10 Construction

 - b. Supported Scaffold 4 hour

 - c. Fall Protection Training

SAFETY STEPS FOR ALL PROJECTS

- 4) Require safety orientations for all new hires detailing site-specific safety procedures, requirements and logistics, and an overview of current construction activities

- 5) Require documented safety pre-task plan meetings for hazardous operations and extraordinary activities with general contractors and construction managers and all high risk trades on New Building construction projects

- 6) Require the creation of site safety plans for all New Building construction projects

REGULATORY RECOMMENDATION FOR DOB

7) Provide more funding to hire more DOB staff to:

- I. Improve DOB's ability to handle its increasing workload; and
- II. Create an inspection squad focused on the worst violators



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