

# Sidewalk Sheds

# **Construction Equipment**

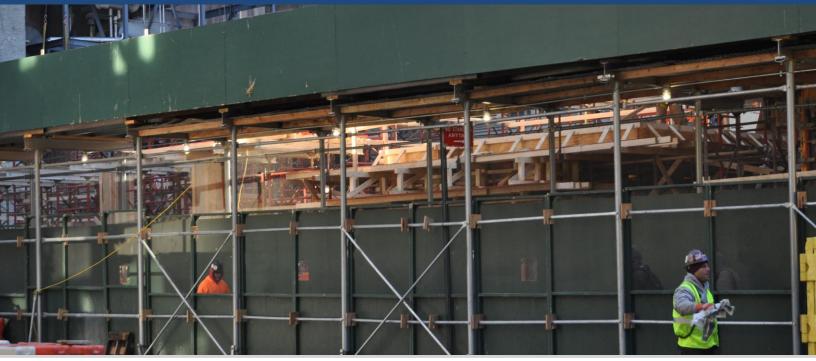


Photo: Samantha Modell



Bill de Blasio Mayor Rick Chandler, PE Commissioner

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Sidewalk sheds are erected over sidewalks and pedestrian walkways to protect pedestrians from debris that could fall from construction work above the sidewalk. They are temporary structures that keep sidewalks open for foot traffic and allow businesses to operate during construction.

#### **Building Code**

The NYC Building Code outlines conditions that require sidewalk sheds to be installed. Sidewalk shed requirements contemplate building height and elevation of construction work above the shed, and can be required when construction equipment is operated above the sidewalk. Standards are also prescribed for the construction and specifications of sheds.

#### **Board of Standards and Appeals**

Standard sheds prescribed by the Board of Standards and Appeals (BSA) in the meeting minutes of BSA #351-74-SM may be filed with the Department by an unlicensed applicant. If the shed is based on a BSA approved design, minimum design loads and specific member sizes, spans and spacing must be highlighted.

#### **Related Construction Equipment**

Other types of construction equipment commonly filed in conjunction with sidewalk sheds include supported scaffolds, which rest on top of a sidewalk shed, safety netting, hoists, cranes, derricks and chutes.

This publication is an overview of the requirements for this type of work. There may be additional, applicable Zoning Resolution, Construction Code, Multiple Dwelling Law or Energy Code requirements.



# **SIDEWALK SHEDS** ALT 2 OR ALT 3 – SIDEWALK SHED (EQ)

# FIRST STEPS

- PW1 job description, reason for sidewalk shed, length of frontage
- Zoning district, site designations (special purpose districts, waterfront area or block, flood hazard area, fire district, landmark district, little 'e' DEP designated block, wetlands, 200' within transit authority infrastructure)
- Lot diagram, scope and area of work indicated, location of traffic signals shown
- Height of the building
- · Light / heavy duty classification indicated

# ADMINISTRATIVE

#### **DOB Forms**

- PW1 Only Approved BSA sheds may be filed by an owner or contractor as non-Directive 14 application
- TR1 by RA / PE for final inspection if Directive 14 application

#### **Technical Documents**

BSA #351-74-SM minutes

#### **Related Applications**

- Electrical application for required lighting under sidewalk shed
- Separate application for New Building, Alteration or Demolition
- Separate scaffold application if supported on sidewalk shed

#### **BIS Required Items**

• N/A



# **SIDEWALK SHEDS** ALT 2 OR ALT 3 – SIDEWALK SHED (EQ)

# ZONING

• N/A

# MULTIPLE DWELLING LAW

• N/A

# FIRE CODE

• N/A

# **BUILDING CODE**

#### Minimum Information on Plans Required – BC §3307.6.4, §3307.6, 3301.9

- Height of the building
- Width of the sidewalk
- Distance of the building from the sidewalk (street line)
- · Sidewalk shed dimensions: width, length, height
- Shed extension and coverage past the building BC §3307.6.3
- Passageway ceiling height BC §3307.6.4.7
- Design load BC §<u>3307.6.4.2</u>
- BSA minutes if designed according to BSA standards BC §3307.6.4.1
- Sidewalk shed that acts as a base for a scaffold cannot use BSA design
- Construction material of the shed including the decking BC §3307.6.4
- Member size and spacing BC §3307.6.4.4
- Any required structural analysis BC §3307.6.4
- Parapet requirements BC §3307.6.4.6
- Sidewalk shed lighting requirements BC §3307.6.4.8
- Required signage on shed and parapet panel BC §3301.9.2



# **SIDEWALK SHEDS** ALT 2 OR ALT 3 – SIDEWALK SHED (EQ)

- Safety netting where applicable BC §3308.5
- Accessibility Requirements BC §3307.2.6
- Warning signs, personnel and barriers BC §3307.4
- Maintenance and inspection requirements BC §3307.6.5
- Daily Inspection requirements BC §3307.6.5.10

### ENERGY CODE

• N/A

# ELECTRICAL CODE

• Sidewalk shed lighting requirements – EC §590.8

# **APPLICABLE BULLETINS, DIRECTIVES, PPNS, MEMOS**

- BSA #351-74-SM Minutes
- TPPN 9/99 Sidewalk Shed Applications
- <u>BB 2013-011</u> Action plan for extreme weather
- BB 2015-018 Anchors into masonry

# OTHER AGENCY APPROVALS

• DOT: approval required if shed extends beyond sidewalk into the street