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HOME RESILIENCY REPORT | TECHNICAL ASSESSMENT

PAGE 1 OF 7

For definitions of the technical terms below, see the **GLOSSARY** on page 8.



All measurements are in feet to sea level. For example, ${f 5}$ means five feet above sea level.

*This is the Flood Risk Zone and Base Flood Elevation for your property under FEMA's advisory New York City Flood Insurance Rate Map, which was issued in 2013. The advisory map should only be used as a guide for future rates. A final map is under development.

 $\{x\}$ This code corresponds to the line item under Section C2 of your Elevation Certificate

HOME RESILIENCY REPORT | TECHNICAL ASSESSMENT

PAGE 2 OF 7



HOME RESILIENCY REPORT | TECHNICAL ASSESSMENT

PAGE 3 OF 7

| | | | The roof is gable in configuration and |
|--|---|--|--|
| Root Shape | Gable | Other Roof Type | covered with asphalt shingles, which were replaced within the past year |
| Roof Material | Asphalt shingle | | |
| Roof Resiliency Com The homeowner rep that he was contem | ments orted that the roof shingles were plating installing solar panels. | damaged during Supers | torm Sandy. He also stated |
| Exterior Finish Mater | ial EFIS | Exterior Finish Cond | Nion Pool |
| Grading | Not Visible | Exterior Grade | N/A |
| Does the home have Unknown Backflow entry poin | a backwater valve? | Has the home experius Unknown | enced sewer backflow? |
| Unknown | t[s] | | |
| Drainage Resiliency | Comments | | |
| Drainage is provid was not visible be | ed by gutters and downspout cause of snow coverage. No i | s which appear to disc ssues were reported by | harge to grade. Discharge v the homeowner. |
| Drainage is provid was not visible be | ed by gutters and downspout cause of snow coverage. No i | s which appear to disc ssues were reported by | harge to grade. Discharge v the homeowner. |
| Drainage is provid was not visible be Wall Framing Type | ed by gutters and downspout cause of snow coverage. No i | s which appear to disc ssues were reported by Wall Framing Condi | harge to grade. Discharge the homeowner. ^{tion} Not Visible |
| Drainage is provid was not visible be Wall Framing Type Balloon Wall Framing Pesilie | led by gutters and downspout cause of snow coverage. No i | s which appear to disc ssues were reported by Wall Framing Condi | harge to grade. Discharge the homeowner. ^{tion} Not Visible |
| Drainage is provid was not visible be Wall Framing Type Balloon Wall Framing Resilie The homeowner sta crawlspace was pre | led by gutters and downspout cause of snow coverage. No i ncy Comments ted that balloon framing was use vented by hard snow on the grou | s which appear to disc ssues were reported by Wall Framing Condi d. This could not be verif and. Balloon-framing was | the homeowner. tion Not Visible ied since access to prevalent for homes of this |
| Drainage is provid was not visible be Wall Framing Type Balloon Wall Framing Resilie The homeowner sta crawlspace was pre age. H/O reported severa were reportedly dan Sill plates were repla | ed by gutters and downspout cause of snow coverage. No i ncy comments ted that balloon framing was use vented by hard snow on the grou Il modifications to the structure i raged during Sandy. The studs w aced due to rot. | s which appear to disc ssues were reported by Wall Framing Condi d. This could not be verif and. Balloon-framing was ncluding sistering of joist vere damaged from water | harge to grade. Discharge the homeowner. tion Not Visible ied since access to prevalent for homes of this s and studs. First floor joists infiltration through the EIFS. |
| Drainage is provid was not visible be Wall Framing Type Balloon Wall Framing Resilie The homeowner sta crawlspace was pre age. H/O reported severa were reportedly dan Sill plates were repil Garage Resiliency O | led by gutters and downspout cause of snow coverage. No i ncy Comments ted that balloon framing was use vented by hard snow on the grou d modifications to the structure i raged during Sandy. The studs w aced due to rot. | s which appear to disc ssues were reported by Wall Framing Condi d. This could not be verif ind. Balloon-framing was ncluding sistering of joist vere damaged from water | tion Not Visible ied since access to prevalent for homes of this s and studs. First floor joists infiltration through the EIFS. |
| Drainage is provid was not visible be Wall Framing Type Balloon Wall Framing Resilie The homeowner sta crawlspace was pre age. H/O reported severa were reportedly dan Sill plates were repil Garage Resiliency O N/A | led by gutters and downspout cause of snow coverage. No i nct Comments ted that balloon framing was use vented by hard snow on the grou Il modifications to the structure i naged during Sandy. The studs w aced due to rot. | s which appear to disc ssues were reported by Wall Framing Condi d. This could not be verif and. Balloon-framing was ncluding sistering of joist vere damaged from water | tion Not Visible ied since access to prevalent for homes of this s and studs. First floor joists infiltration through the EIFS. |
| Drainage is provid was not visible be Wall Framing Type Balloon Wall Framing Resilie The homeowner sta crawlspace was pre age. H/O reported severa were reportedly dan Sill plates were repl Garage Resiliency O N/A Garage Comments | led by gutters and downspour cause of snow coverage. No i ncy comments ted that balloon framing was use vented by hard snow on the grou Il modifications to the structure i laged during Sandy. The studs w aced due to rot. | s which appear to disc ssues were reported by Wall Framing Condi d. This could not be verif and. Balloon-framing was ncluding sistering of joist rere damaged from water | harge to grade. Discharge the homeowner. tion Not Visible ied since access to prevalent for homes of this s and studs. First floor joists infiltration through the EIFS. |

HOME RESILIENCY REPORT | TECHNICAL ASSESSMENT

PAGE 4 OF 7

| Heading Facility of T | A 1 11 7 | Userting Fruing at Occurrent | |
|---|--|---|---|
| Heating Equipment Type | AHU | Heating Equipment Condition | Good |
| Heating Equipment Location | Other | Heating Equipment Can be Elevated | Yes |
| Heating Equipment Resilienc The AHU is located | y Comments d in the attic, well | above the Preliminary BF | E. |
| The air handling u heat to the living a | nit is located in tl reas. | ne attic. Forced-air distribu | ites the |
| Cooling Equipment Type | Central | Cooling Equipment Condition | Good |
| Cooling Equipment Resilience | | All Cap be Elevated? | No |
| Cooling Equipment Resilience | goptions | And Can be Lievatea: | INU |
| Cooling Equipment Commen The AHU is in the replaced after Sup Preliminary BFE. E | hanicals hattic, above the P erstorm Sandy. In Elevate above the | Condensel Can be Elevated? reliminary BFE. The condense approximately 2' below Preliminary BFE. | Yes enser was the |
| Elevate mec Cooling Equipment Commen The AHU is in the replaced after Sup Preliminary BFE. E | hanicals tattic, above the P erstorm Sandy, t Elevate above the | Condensor Can be Elevated? reliminary BFE. The condense approximately 2' below Preliminary BFE. | Yes enser was the |
| Elevate mec Cooling Equipment Commen The AHU is in the a replaced after Sup Preliminary BFE. E | hanicals tattic, above the P erstorm Sandy, t Elevate above the Other | Condensor Can be Elevated? reliminary BFE. The condense approximately 2' below Preliminary BFE. | Yes enser was the Fair |
| Elevate mec Cooling Equipment Commen The AHU is in the a replaced after Sup Preliminary BFE. E | hanicals trattic, above the Perstorm Sandy, the Elevate above the Other | Condensor Can be Elevated? reliminary BFE. The condense approximately 2' below Preliminary BFE. | Yes enser was the Fair |
| Elevate mec Cooling Equipment Commen The AHU is in the a replaced after Sup Preliminary BFE. E LECTRICAL EQUIPMENT Electrical Panel Location Electrical Meter Location Distribution System Can be | hanicals hanicals t attic, above the P erstorm Sandy, t Elevate above the Other Out Building Elevate? N/A | Condensor Can be Elevated? Treliminary BFE. The condense approximately 2' below Preliminary BFE. | Yes enser was the Fair Fair |
| Elevate mec Cooling Equipment Commen The AHU is in the replaced after Sup Preliminary BFE. E | hanicals hanicals t attic, above the P erstorm Sandy, f Elevate above the Other Out Building Elevated? N/A | Condensor Can be Elevated? reliminary BFE. The condense approximately 2' below preliminary BFE. Electrical Panel Condition Electrical Meter Condition | Yes enser was the Fair Fair |

HOME RESILIENCY REPORT | TECHNICAL ASSESSMENT

PAGE 5 OF 7





HOME RESILIENCY REPORT | TECHNICAL ASSESSMENT

PAGE 6 OF 7



HOME RESILIENCY REPORT | TECHNICAL ASSESSMENT

PAGE 7 OF 7

This rapid Home Resiliency Assessment and the cost estimates included herein were p pared to present resiliency options pertaining to flooding and climate conditions, are intended to redu property damage and time of displacement of residents in the event of flooding, and may result wer flood insurance rates. Some recommendations included are based on information provided by t roperty ow /owner's agents, and other entities involved in the Residential Technical Assistance Pil APP), while rogram other recommendations are based on the rapid assessment of an experienced en ne information collected and the recommendations included in this report are not to be construe the result in-depth feasibility investigation or a detailed design. No warranty whatsoever is provide the C r for New York City Neighborhoods, Inc. (the "Center") or its engineers with respect to the inform lected or recommendations provided. Actual costs will vary based on find of additional investigation, design, and market conditions. Upon selection of a path forward, design should completed by chicensed professional and bids obtained from relevant experienced consta ontrac The Cente and its engineers work, n thods of any such are not liable or responsible in any manner for any design is or for s and contractors or professionals.



Governor's Office of Storm Recovery



GLOSSARY

- Advisory Map (a.k.a. preliminary map) New York City successfully challenged the adoption of a preliminary map released by FEMA in 2013 that greatly expanded high-risk flood zones. It is now considered an advisory map.
- Base Flood Elevation (BFE) Only properties in high-risk flood zones have a BFE, which reflects the height (in feet) above sea level that flood water is projected to rise in a "100-year" storm — a storm that has a 1% per year chance of occurring.
- Basement For the purposes of flood insurance, a basement is lower than ground level on all four sides, and is taller than 5 feet.
- **Crawlspace** If the space is less than 5 feet high, it is a crawlspace.
- Datum Referenced There are two sets of std reference datum for elevations. For consiste elevations provided on this report have been converted to the datum set referenced.
- **Design Flood Elevation (DFE)** determines the safest elevation for construc Vin F is us hazard zones. In New York City, the the Base Flood Elevation plus two fee nown as "freeboard," fo d safety. Your d ner or architect should <u>Ci</u>ty Depart nsu of Buildings during d ign and ting to ensure that they are f owing
- Elevatio means lifting your rating your on temporary supp h ndation, then building w founda high e new fo dation.
 - ts above its current o or creating a then lowering the
- Enclosure A partially an elevated buildin elevated
- ully shut in an area of at is below the lowest
- FEMA FEMA stands for the Federal Emergency Management Agency. According to its website, FEMA's "mission is to support citizens and first responders to ensure that as a nation we work together to build, sustain and improve our capability to prepare for, protect against, respond to, recover from and mitigate all hazards." FEMA runs the National Flood Insurance Program (NFIP) and also provides emergency aid after a disaster.

- **Floodproofing** Changes or additions to a property aimed at reducing the risk od damage. Examples include install ood vents, raising your mechanicals, an evating you me.
- os fem tasked Flood Insurance Rate with creating special mo etermine flo hazards and insurance pre s in commu These maps are periodically up ed. Th rrent lew York City was adop 33 map fg
- Flood Risk ones Flood risk zones are geographic e the level of **p** properties face that a oding se are le ed zones and are s e aation zones. In New differe han the the three h York C ones are: X (low to e risk); AE (high risk); and VE (highest risk). mod
 - ents These are openings in a foundation I that permit water to enter an interior area xit when flooding recedes, all without the human intervention. nee
 - eeboard Freeboard is additional elevation ove the Base Flood Elevation, and ensures that construction is at a safer elevation from future flooding. In New York City, this means adding two additional fee above the BFE. Besides increasing safety from floods, freeboard can lead to lower insurance premiums that can help in recouping construction costs.
- Lowest Adjacent Grade The lowest elevation of the ground next to the property.
- Lowest Level The lowest floor of the lowest enclosed area in a property. This includes the basement. It does not include an unfinished or flood-resistant enclosure used solely for vehicle or other storage.
- Machinery Machinery includes heating and cooling equipment, electrical equipment, water treatment, hot water equipment, and/or laundry equipment.
- Primary Residence A primary residence is the home that a resident ordinarily lives in most of the time. A home that is occupied by tenants year-round is also a primary residence.
- Residential Unit A residential unit is a space reserved largely for dwelling, not for commercial purposes.