

SECTION 01 35 23

NYCHA SAFETY REQUIREMENTS FOR BRICK AND ROOF

THIS SECTION WILL BE PROVIDED BY CSQ/QA AS PER CONTRACT REQUIREMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. General Safety
- B. Safety Submittals
- C. Safety Meetings
- D. Safety and Facilities Controls
- E. Corrections and Safety Deficiencies
- F. Permits and Authorizations
- G. General Security
- H. Appendix A: Site-Specific Safety Program Template

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Other Division 01 Specification Sections, apply to this Section.
- B. 01 14 00 - Work Restrictions
- C. 01 74 00 - Construction Waste Management
- D. 01 74 16 - Site Maintenance

1.03 GENERAL SAFETY

- A. The Contractor shall establish and implement a Site Safety Program to ensure protection of persons and property on the Site and surrounding areas. Contractor shall submit the Site-specific Safety Program (SSP) for NYCHA Quality Assurance Unit (QA) approval no later than 21 calendar days after issuance of the Letter of Award. No contract work shall be performed in the absence of a NYCHA Quality Assurance Unit (QA) Approved SSP. A proposed template for the SSP is included in Appendix A at the end of this section to be used by the contractor as a minimum requirement.
- B. The Contractor shall be responsible for ensuring that all construction operations are performed in a safe and lawful manner, in full conformance with the NYC Building Code, the requirements of the Fire Department of New York City (FDNY), OSHA regulations, and all other Local, State, and Federal Regulatory Agencies and all regulations defined in the NYCHA Quality Assurance (QA) approved Site Safety Program (unless otherwise instructed in writing by NYCHA Program Manager), as well as accepted industry standards for worker and public safety. The Contractor shall conduct all work so as to provide complete safety to workmen and the public and to provide access to buildings at all times.
- C. The Contractor shall provide a dedicated full-time Qualified Safety Representative. The Qualified Safety Representative will be responsible for safety only; he/she shall not be involved in any other construction related activities on the job site and shall have successfully completed:
 - 1. Site Safety Manager 40-hr course and 7-hour Refresher every three years thereafter from a Department of buildings (DOB) approved vendor.
 - 2. 32-hour Supported Scaffold Erector course and 8-hour refresher every four years thereafter from a DOB approved vendor.
 - 3. 32-hour Suspended Scaffold Supervisor course and 8-hr refresher every four years thereafter from a DOB approved vendor.
 - 4. 30-hr OSHA Construction Safety course from a Department of Labor approved vendor within the last five (5) calendar years.
 - 5. 5 years of Construction Site Safety experience.

- D. NYCHA Field Team Role: the NYCHA field team, which may include a consultant as the Construction Manager, will monitor the Contractor's safety performance, and will periodically conduct inspections to ensure that Work is done in accordance with all requirements, including the Contractor's approved Site Safety Plan and Site Safety Program. The NYCHA field team will not be responsible for the Contractor's means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work of the Contractor, since these are solely the Contractor's responsibility. The NYCHA field team reserves the right to implement an immediate stop work order or require immediate corrective action in the event of an unsafe work condition. NYCHA also reserves the right to direct the removal or suspension of any worker or supervisor who demonstrates an inability to work safely within the rules and procedures established, as detailed in these specifications.
- E. Site Safety Orientation: develop a Site Safety Orientation briefing. The briefing should be designed to take approximately 15 to 20 minutes, and include a basic project description, clearly lay out safety expectations (e.g., PPE, Fall Protection, Housekeeping, Accident Reporting), explain the emergency evacuation plan, identify key personnel including Site Safety Representative, explain the consequences for failure to follow safety policies, etc. Prior to being allowed on site all personnel, including administrative staff, must attend the site-specific safety orientation. At the completion of orientation each individual must receive a uniquely numbered hard hat sticker indicating they have successfully completed orientation. As part of the indoctrination brief, copies of individual's Safety Certifications (e.g., OSHA 10 hour card) must be made and kept on file. As per prevailing wage rate law, NY State Labor Law §220, section 220-h, every worker employed in the performance of a public work contract shall be certified as having completed an OSHA (Occupational Safety and Health Administration) 10-hour Construction Safety and Health Course. A sign off sheet must also be completed, acknowledging that the individual has been through the orientation.
- F. PPE requirements: 100% wear of ANSI Approved hardhats, appropriate construction footwear (a minimum 6" high, with steel or composite toe), safety glasses, reflective vests, long trousers and sleeves with a minimum of 4" half-length sleeves. The requirement will be mandatory whenever inside of project boundaries.
- G. Pre-Plan Meetings: conduct and document participation in safety planning for key events, including completion of Job Hazard Analyses. The NYCHA Construction Management team will participate in these meetings. Examples would be, prior to doing roofing work, prior to mobilizing a crane, prior to the 1st hot work, etc.
- H. Barriers to protect residents and pedestrians: All areas within the range of falling material from the Work of this contract but not required for public access shall be barricaded with four (4) ft. high orange vinyl fence. Place warning signs thirty feet apart on all such barricades.
- I. Fall Protection: NYCHA requires positive fall protection whenever a worker is exposed to anything greater than a six (6) ft. fall (measured from the worker's heels to the surface below). The requirement can be met through standard barriers (Guardrails/handrails), but where barriers are not feasible; Personal Fall Arrest Systems (PFAS) are required. Prior to allowing use of PFAS, contractors must ensure the worker has been trained and has proper documentation of the training, and that each worker knows how to use PFAS (including proper wear and fit, how to select tie-off points, how to select appropriate lanyards, etc.). Contractors must also establish procedures for inspections of workers using PFAS at the start of each shift.
- J. Accident Reporting: Included in the NYCHA QA SSP template (see Appendix A), is the NYCHA Emergency Contact List, this list denotes all NYCHA Representatives who must be notified within 30 minutes of any site incident. The personnel on this list must be included in all subsequent updates regarding the incident in question. The NYCHA Emergency Contact List must be posted in all site trailers. Construction Manager and/or NYCHA's Representative on site must receive copies of any completed Incident Report/Workmen's Compensation Report within 24 hours of submission by a worker. In addition, immediate phone or in-person notification to Construction Manager and/or NYCHA's Representative is required whenever a passerby or NYCHA resident is involved in any accident, or complains of unsafe practices by the Contractor.

- K. Policy for failure to follow Safety Policies: NYCHA reserves the right to demand the permanent removal from the project any worker who puts him or herself or others into imminent risk situations (e.g., removing a barrier from a shaft without establishing alternate barriers, bypassing lock-out, tag-out systems, being observed outside perimeter barricade systems without PFAS). Similarly, NYCHA can direct the removal of any supervisor who fails to enforce the requirements of the safety program. NYCHA can also direct the suspension of any worker who repeatedly fails to follow PPE rules or repeatedly fails to follow established safety procedures that do not meet the "imminent risk" threshold.
- L. Certification requirements: workers must carry certifications as required by NYC DOB and FDNY. All workers must possess a valid OSHA 10 hour Construction card. In addition, workers must have the required certification for specific areas of work, including the 4-hour Scaffold User Card for any worker who will have a need to be on supported scaffolding, the 32-hour Supported Scaffold Erector/Dismantler card, the 16-hour Suspended Scaffold Users card, FDNY Certificates of Fitness for hot work and fire guard, etc.
- M. Safety Data Sheets (SDS): maintain a binder on site in a known location including an organized grouping of SDS sheets for all products utilized on the project. This binder must be easily accessible to all workers so that they understand the risks of the materials, and the required PPE measures that must be taken when working with the materials. The binder must also be easily accessible to any member of the NYCHA field team, and to any emergency responder.
- N. Emergency Evacuation Procedures: Contractors must have a plan showing muster locations, explaining emergency evacuation signals, per OSHA 1010/1926 Standard. An emergency evacuation drill must be conducted quarterly (every three months). Coordination with the NYCHA field team is required in advance of any emergency evacuation drill.
- O. Radio Policy: use of personal radios on NYCHA job sites is prohibited. Similarly, workers will not be allowed to use ear phones/buds.
- P. Respiratory Protection: the Contractor must have a documented policy for respiratory protection, including dust mask and respirators, along with training requirements.
- Q. Lock-Out/Tag-Out: the Contractor must have a documented policy for lock-out/tag-out, defining responsibilities and procedures for ensuring workers and residents will be safe from accidental activation of energized circuits.
- R. Hot Work: the Contractor must have a documented policy for hot work conforming to FDNY hot work procedures. This includes requirements for permitting, fire watches, etc.
- S. Smoking: comply with FDNY rules; smoking is prohibited on NYCHA's job sites.
- T. Alcohol/Controlled Substances: no alcohol or controlled substances will be allowed on site or consumed on site. No one on the project team will be under the influence of drugs or alcohol while on the project.

1.04 SAFETY SUBMITTALS

- A. Site-Specific Safety Program (See Appendix A) including:
 - 1. Tenant Protection Plan: (Submit copy of the DOB approved plan [TPP-1] to NYCHA QA)
 - 2. Site-Specific Safety Plan (See Appendix A for Safety Plan requirements).
 - a. Site Specific Site Safety Plans shall be developed and signed by a New York City Site Safety Manager or Professional Engineer. Construction work will not be performed until the Program and Plan have been approved by NYCHA Quality Assurance Group.
- B. Site Safety Orientation Briefing: within 14 calendar days of NTP provide, for NYCHA's review, a copy of a proposed Site Safety Orientation Brief as defined in these specifications.
- C. Records of Tool Box Safety Talks: provide copies of weekly Tool Box Safety Talks conducted, along with copies of sign-in sheets for these meetings.
- D. Job Hazard Analyses/JHA: prepare copies of completed Job Hazard Analyses, whether initiated by the Contractor, or if directed by the NYCHA field team.

- E. Competent Person Listings: provide an initial Competent Persons List within fourteen (14) calendar days of NTP. Provide updated copies of the listing as needed as new subcontractors are brought onto the project, and whenever a replacement is required for a previously-designated competent person. All designated Competent Persons must have at least 30 hours of Department of labor Approved OSHA Construction Safety Training within the last 5 calendar years.
- F. Incident Reports/Workmen's Compensation Forms: copies must be submitted any time an incident occurs, immediately upon completion of the form.

1.05 SAFETY MEETINGS

- A. Monthly Safety Meetings: shall be required with the NYCHA field team, and with Contractor supervisory personnel, including key subcontractor supervisory personnel. The agenda for this meeting shall include a review of any safety incident that occurred in the prior period, a review of any safety-related trend observed, and a review of safety aspects of upcoming work.
- B. Safety Planning Meetings: shall be required with the NYCHA Designated Representative(s) in advance of beginning new areas of work, prior to beginning roofing work, prior to beginning excavation work for site utilities. The agenda for this meeting will include the review of any required Job Hazard Analyses. Participants will include key safety and supervisory personnel who will be involved in planning and supervising the Work, including Site Safety Representative and any designated Competent Person involved in the Work.
- C. Tool Box Safety Meetings: shall be conducted by the Contractor weekly. Notice shall be provided to the NYCHA Designated Representative(s) of the time and location of when and where this training will be done, to allow NYCHA to participate if time allows.

1.06 SAFETY AND FACILITIES CONTROLS

- A. Provide and maintain all temporary facilities and controls required for implementation of the Site Safety Plan and Program.
- B. At the start of each workday the Contractor shall inform the NYCHA Designated Representative(s) as to the location and scope of work planned. Any condition which might adversely affect the tenants whether during the workday or after the close of operations shall be reported to the NYCHA Designated Representative(s) promptly.
- C. Provide sidewalk sheds where indicated in the Contract Documents, where required by law, and wherever the Work has the potential of creating an overhead hazard that could lead to serious injury or death.
- D. Unless approved in writing by the Authority, sidewalk sheds, on site sheds, and fences shall not be dismantled or relocated as work proceeds at various locations of the building. All protection shall remain in place at all times until NYCHA Designated Representative(s) directs its removal in writing.
- E. Protective sheds located within the property line, on site, for protection from overhead hazards shall be constructed in the same manner as required by Code and the Contract Documents for sidewalk sheds and shall have the same auxiliary elements including electrical lighting.
- F. Where overhead protection is required, partial closing of sidewalks or streets will not be permitted. Proper protection shall be provided by means of sidewalk sheds or full street closing. Full street closing shall include the street and the sidewalks on both sides of the street.
- G. While removing existing masonry or other structural components, take all measures necessary to protect and safeguard the facilities and exposed areas from any damage or loss. Use wet methods when demolishing wall or other components that produce dust during demolition. Wet all surfaces to be disturbed with a fine spray of water. Use power tools if necessary. Power tools shall be equipped with a HEPA vacuum capable of trapping and retaining 99.97% of all particles 0.3 micrometers in diameter or greater. Avoid spreading dust and debris outside of the Work area. Cover all windows in work areas with 6 mil plastic sheets and duct tape each day. Remove the plastic at the end of each day.

- H. Do not work in the vicinity of any entrances before clearing those areas and advising the NYCHA Designated Representative(s) accordingly.
- I. The Contractor shall take every precaution to minimize noise generated by contract work. The site will need to conform to all noise reduction requirements of the City Department of Environmental Protection (DEP) and NYC Local Law 113. The following detailed description is for security only. The security fence may also serve as the noise reduction barrier, and the Contractor will be responsible for revising the materials listed herein to bring the fence into full compliance, with materials, details, and design as approved by the Authority and DEP. Contract noise shall not exceed fifty (50) db within any occupied apartment space at any time during the Work. All work will comply with requirements of the New York City Noise Control Code.
- J. Provide a dumpster for disposal of daily debris and cart away from the project regularly to dispose of the collected debris material. At the end of each day's work, remove all debris and any material not used during the day.
- K. Protect roof areas including those under the scaffold frame by laying 1/2" thick plywood boards and insulation.
- L. The Contractor shall be responsible for the removal, salvage and reinstallation of any structures and/or fixtures on the building surfaces at no cost to NYCHA.
- M. Identify and protect from all damage all caliper size 1-1/2", and larger trees surrounding the Work site.
- N. Maintain access to fire fighting facilities at the site at all times.
- O. The Contractor shall have a licensed electrician on the premises during all contract Work affecting electrical wiring, outlets, fixtures, temporary electric connections, etc.

1.07 CORRECTIONS OF SAFETY DEFICIENCIES

- A. No unsafe condition shall be left uncorrected.
- B. Where a deficiency noted during a safety inspection does not entail the existence of a hazardous condition, the maximum time for correction of the deficiency shall be twenty-four (24) hours, except where a shorter response time is required by other Contract Documents, local regulations, or the NYCHA Designated Representative(s). New York City Fire Department inspection deficiency and all hazardous conditions shall be acted upon immediately and corrected before leaving the site.

1.08 PERMITS AND AUTHORIZATIONS

- A. General Security
 1. The Contractor is responsible for the security of the Work sites and provides suitable site protection to prevent unauthorized entry onto the site until final acceptance by NYCHA.
 2. The Contractor shall allow unrestricted access to all areas under the Contractor's control to Authority employees and emergency personnel in the performance of their duties.
 3. The Contractor is responsible for the security of the Work site until final acceptance by the NYCHA Designated Representative(s). The Contractor shall be responsible for providing suitable site protection to prevent unauthorized entry onto the site and shall be responsible for any loss or damages for the duration of the contract until final completion and acceptance by the NYCHA Designated Representative(s).
 4. No worker on this Project shall remove scrap or salvage material or grant any third party access to do so without the permission of the Contractor and NYCHA Designated Representative(s).
 5. Scrap or waste material scheduled to be removed shall be removed only during designated times and under supervision of those stated in (4) above.
 6. Provide and maintain fencing, footbridges, warning lights, signs, watchers, flaggers, or other personnel as required by NYC's Building code, sub article 1901, for the maintenance of the site and adjacent areas to the extent required by law.
 7. The Contractor shall locate all existing utilities and service lines prior to demolition or construction. Notify the utility company or city agency affected and the NYCHA

Designated Representative(s) at least seventy-two (72) hours in advance, for any removal, relocation, or interruption in services required. Cap all existing utilities as directed.

8. Any scheduled activities that will result in interruptions of basic services or utilities or may cause inconvenience to the tenants shall be reported to the NYCHA Designated Representative(s) in advance per Section 01 14 00 - Work Restrictions.
9. The Contractor shall adequately enclose and protect areas against the weather where the installation is incomplete at the end of the working day, and shall be responsible for any damage or inconvenience due to a failure to do so. Such protection shall be done to the complete satisfaction of Construction Manager and/or NYCHA Representative. Secure construction site by taking all precautionary measures including but not limited to the following:
 - a. Tie down and secure material and loose debris at construction sites.
 - b. Cover electrical equipment from exposure to the weather.
 - c. Secure netting, scaffolding, sidewalk sheds, etc.
 - d. Secure all crane equipment.
 - e. Secure all exterior hoists.
 - f. Brace and secure construction fences.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION