

~~~~~ **PROJECT NOTE** ~~~~~

AOR/EOR IS RESPONSIBLE FOR REVIEWING THIS SPECIFICATION SECTION IN DETAIL FOR COORDINATION WITH THE PROJECT SCOPE OF WORK.

ALL "PROJECT NOTE" TEXT IS TO BE REMOVED FOLLOWING REVIEW OF THE CONTENT OF EACH NOTE BY THE AOR/EOR.

EDIT THE DOCUMENT FOOTER TO INCLUDE THE PROJECT NAME AND NUMBER.

EDIT THE DOCUMENT HEADER TO INDICATE THE "AOR PROJECT ISSUE" DATE. THE "CPS CONTROL" DATE SHOULD NOT BE EDITED.

ALL DIVISION 00 AND DIVISION 01 SECTIONS ARE TO BE REVIEWED BY THE DESIGN MANAGER/CONSTRUCTION MANAGER FOR THE PROJECT. AOR/EOR TO COORDINATE ACCORDINGLY.

~~~ **END OF PROJECT NOTE** ~~~

**SECTION 01 70 00
EXECUTION REQUIREMENTS**

~~~~~ **PROJECT NOTE** ~~~~~

WHEN USING THIS SECTION THE FOLLOWING SPECIFICATIONS SHALL BE ISSUED BY THE MEC:

SECTION 02 13 15 SMALL SCALE DISTURBANCE OF ASBESTOS CONTAINING MATERIALS.

SECTION 02 83 20 SMALL SCALE DISTURBANCE OF PAINTED SURFACES ASSUMED TO CONTAIN LEAD.

~~~ **END OF PROJECT NOTE** ~~~

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Examination, preparation, and general installation procedures.
- B. Environmental requirements.
- C. Pre-installation meetings.
- D. Surveying for laying out the work.
- E. Shoring, bracing, and scaffolding.
- F. Progress cleaning and protection of work.
- G. Starting of systems and equipment.
- H. Correction of the Work.
- I. Final cleaning including Site Cleaning, Construction Cleaning, and Deep Cleaning.

1.02 REFERENCE STANDARDS

- A. NFPA 241 - Standard for Safeguarding Construction, Alteration, and Demolition Operations; 2022, with Errata (2021).

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. See Division 02 for requirements related to removal and waste management.

| | | |
|----------------------------------|--------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 1 | EXECUTION REQUIREMENTS |
|----------------------------------|--------------|------------------------|

~~~~~ **PROJECT NOTE** ~~~~~

DELETE 'SURVEY' PARAGRAPH BELOW IF NOT REQUIRED FOR PROJECTS. TYPICALLY ONLY REQUIRED FOR NEW CONSTRUCTION/ADDITIONS.

~~~ **END OF PROJECT NOTE** ~~~~

- C. Survey work: Submit name, address, and telephone number of Surveyor before starting survey work.
 - 1. Qualification Data: Demonstrate Surveyor's capabilities and experience. Include list of completed projects with project names and addresses, names and addresses of architects and owners, and size and type of project.
 - 2. On request, submit documentation verifying accuracy of survey work.
 - 3. Submit six (6) copies of site drawing signed/certified by the Land Surveyor, that the elevations and locations of the work are in compliance with Contract Documents. Provide electronic drawings in both *.dwg and *.pdf format.
 - 4. Submit two (2) copies of certified surveys and survey logs for the project record.
- D. Cleaning:
 - 1. Qualification Data: Submit supporting documentation demonstrating qualifications of cleaning personnel.

1.04 RELATED WORK

- A. All work to be completed in accordance with Section 02 13 15 Small Scall Disturbance of Asbestos Containing Materials
- B. All work to be completed in accordance with Section 02 83 20 Small Scall Disturbance of Painted Surfaces Assumed to Contain Lead

~~~~~ **PROJECT NOTE** ~~~~~

DELETE 'SURVEY' PARAGRAPH BELOW IF NOT REQUIRED FOR PROJECTS. TYPICALLY ONLY REQUIRED FOR NEW CONSTRUCTION/ADDITIONS.

~~~ **END OF PROJECT NOTE** ~~~~

1.05 QUALIFICATIONS

- A. For surveying work, employ a land surveyor registered in Illinois and acceptable to Architect/Engineer of Record. Submit evidence of surveyor's Errors and Omissions insurance coverage in the form of an Insurance Certificate. Employ only individual(s) trained and experienced in collecting and recording accurate data relevant to ongoing construction activities.
- B. See "Environmental Requirements" Article in this Section for additional qualification requirements.

1.06 PROJECT CONDITIONS

- A. All work shall comply with all applicable laws, codes and regulations.
- B. Signs: No signs advertising the work or identifying any person, firm or entity concerned with the work shall be allowed at the site unless approved in advance by the Board's Representative. The Contractor is to maintain the project sign provided by the Board.
- C. No press or public relation releases are to be made without approval of the Board.
- D. Use of explosives is not permitted.

| | | |
|----------------------------------|--------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 2 | EXECUTION REQUIREMENTS |
|----------------------------------|--------------|------------------------|

- E. Grade site to drain at areas of work. Maintain excavations free of water. When necessary, provide, operate, and maintain pumping equipment.
 - F. Protect site from puddling or running water in areas of work. Provide water barriers as required to protect site from soil erosion.
 - G. Ventilate enclosed areas to assist cure of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases.
 - H. Conduct operations to minimize fumes or odors to building air intakes. Advise Board's Representative if a problem is foreseen so that concerned parties can be notified in advance.
 - I. The Contractor shall include in the bid costs for all standby trades should work need to be performed during other than normal work hours. This may include electrical tie-in, water taps, abatement (lead/asbestos/tank removal), work which is excessively noisy (i.e. grinding, demolition etc.); removal of materials containing lead based paints etc. Costs for inspections and any other additional work related to the Contract scope deemed necessary by Commonwealth Edison, City - Water, Sewer and Sanitary department are to borne by the Contractor.
 - J. Dust Control: Execute work by methods to minimize raising dust from construction operations. Provide positive means to prevent air-borne dust from dispersing into atmosphere and over adjacent property.
 - 1. Install, maintain and effectively operate appliances, machines or equipment in a manner approved by authorities having jurisdiction for the elimination of dust.
 - K. Noise Control: Provide methods, means, and facilities to minimize noise produced by construction operations. Do not use tools or equipment that produce harmful noise levels.
 - L. Dewatering: If required, dewater trenches, footings, pits and excavations made for the work. Discharge the water so as not to interfere or create safety hazards to the public or allow water to run on other property. Adhere to all federal, state and city regulations.
 - M. Pollution Control: Provide methods, means, and facilities to prevent contamination of soil, water, and atmosphere from discharge of noxious, toxic substances, and pollutants produced by construction operations. Comply with federal, state, and local regulations.
- 1.07 ENVIRONMENTAL REQUIREMENTS
- A. CONTRACTOR AND CONTRACTOR'S EMPLOYEES ACKNOWLEDGE THE FOLLOWING:
 - 1. **Asbestos-Containing Building Materials (ACBM)** are or may be present in this building. An asbestos management plan is available in the school for review upon request. No person may disturb asbestos-containing materials (ACM) or ACBM unless that person is a licensed asbestos abatement worker and conducts such work in accordance with project specification(s) contained in the project documents and in compliance with the Illinois department of public health (IDPH) rules and regulations. If other suspect materials, not referenced in the asbestos management plan or project documents, are identified during renovation activities, these materials are to be assumed ACM.
 - 2. **Lead-Based Paint (LBP)** is or may be present within the building. It is the responsibility of the contractor to take appropriate compliance and safety measures in accordance with applicable federal (including OSHA (1926.62)), state, and local rules and regulations to prevent lead exposure to building occupants, visitors and contractors. All work with surfaces containing LBP shall be performed in accordance with project specifications contained in the project documents and in compliance with the IDPH rules and regulations. In addition, various components/surfaces within the school have tested above and below the LBP threshold of 1.0 mg/cm² [or 0.5% by weight (5,000 mg/kg)] or have not been tested and should be assumed to have lead present. Regardless of lead concentration, there is a potential for lead dust generation during drilling, coring, painting preparation and other renovation/demolition activities.

| | | |
|----------------------------------|--------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 3 | EXECUTION REQUIREMENTS |
|----------------------------------|--------------|------------------------|

3. **Crystalline silica** may be present within certain building materials, including, but not limited to, sand, stone, concrete, masonry, and mortar. It is the responsibility of the contractor to take appropriate safety measures in accordance with applicable federal, state, and local rules and regulations including OSHA (1926.1153) to prevent silica exposure and dust migration during disturbance of these materials during construction activities.

1.08 COORDINATION

- A. Coordinate scheduling, submittals, and work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.
- B. Coordinate scheduling and timing of required administrative procedures with construction activities and activities of other contractors (where applicable) to avoid conflicts and to ensure orderly progress of the Work.
- C. Notify affected utility companies and comply with their requirements.
- D. Verify that utility requirements and characteristics of new operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- E. Coordinate construction activities to ensure that operations are carried out with consideration given to conservation of energy, water, and materials.
- F. Coordinate space requirements, supports, and installation of mechanical and electrical work that are indicated diagrammatically on drawings. Follow routing indicated for pipes, ducts, and conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
- G. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
- H. Coordinate completion and clean-up of work of separate sections.
- I. After Board occupancy of premises, coordinate access to site for correction of defective work and work not in accordance with Contract Documents, to minimize disruption of Board's activities.

PART 2 PRODUCTS

2.01 CLEANING MATERIALS

- A. Contractor to follow Chicago Public Schools Cleaning Product Specifications. Verify cleaning products below with PMO PM for all finishes and surfaces to be cleaned, waxed and/or polished.
 1. Floor Finish
 - a. ProX High Mileage
 - b. Spartan iShine Floor Finish 5 gal
 - c. Bona Resilient (alternative to stripping and waxing floors in need of extreme repair)
 2. Oil Based Wood Floor Finish
 - a. Rustoleum Varathane
 3. Black Wax
 - a. Black Beauty II Black Asphalt & Vinyl Tile Sealer
 4. Terra Glaze Floor Care
 - a. Plaza Plus Pro X (Diversey)
 - b. 5TER 581005 Terra Glaze Floor Sealer 5 Gal. Alkaline RTU 25% Solids Acrylic Polymer 1/Drum (Spartan)
 5. Floor Stripper
 - a. ProStrip Ultra Floor Stripper 20J852 5 Gal (Diversey)
 6. Baseboard Stripper

| | | |
|----------------------------------|--------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 4 | EXECUTION REQUIREMENTS |
|----------------------------------|--------------|------------------------|

- a. Baseboard Stripper, Liquid 23oz 10F958 (Diversey)
- 7. General Floor Maintenance
 - a. Diversey Pro Strip Ultra (*must be Ultra, not regular Pro)
- 8. Wood Floor Maintenance
 - a. Varathane High Traffic Formula Floor Oil-Based Polyurethane (specify gloss, satin, or semi-gloss) for wood floors.
- 9. VCT Tile Maintenance
 - a. Diversey High Mileage
 - b. Spartan iShine
- 10. VT
 - a. Spartan On Base
- 11. Terrazzo Finish
 - a. Spartan Shinline Emulsifier
 - b. Spartan Terra Glaze
- 12. Ceramic Tile Finish
 - a. Spartan On Base
- 13. Asphalt Flooring
 - a. Spartan Glossy Black Floor Finish

2.02 WOOD FLOOR REFINISHING MATER

- A. Polyurethane
 - 1. Varathane High Traffic Formula Floor Oil-Based Polyurethane (specify gloss, satin, or semi-gloss) for wood floors. 350 or lower VOC

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent work. Review conditions with installer or applicator present where indicated to confirm compliance with requirements for installation tolerances and other conditions affecting performance.
 - 1. Record observations. Where a written report listing conditions detrimental to performance of the Work is required by other Sections, include the following:
 - a. Description of the Work.
 - b. List of detrimental conditions, including substrates.
 - c. List of unacceptable installation tolerances.
 - d. Recommended corrections.
- B. Verify that existing substrate is suitable for new work being applied or attached including structural readiness and compatibility with finishes.
- C. Examine and verify specific conditions described in individual specification sections.
- D. Examine roughing-in for mechanical and electrical systems to verify actual locations of connections before equipment and fixture installation.
- E. Take field measurements before confirming product orders or beginning fabrication, to minimize waste due to over-ordering or misfabrication.
- F. Take field measurements as required to fit the Work properly. Recheck measurements before installing each product. Where portions of the Work are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication. Verify space requirements and dimensions of items shown diagrammatically on Drawings.
- G. Do not scale drawings.
- H. Verify that utility services are available, of the correct characteristics, and in the correct locations. Failure to do so does not constitute a change order to the Work. The existence and location of underground and other utilities and construction indicated as existing are not guaranteed.

| | | |
|----------------------------------|--------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 5 | EXECUTION REQUIREMENTS |
|----------------------------------|--------------|------------------------|

1. Before construction, verify the location and invert elevation at points of connection of sanitary sewer, storm sewer, and water-service piping; and underground electrical services.
2. Furnish information to the Board that is necessary to adjust, move, or relocate existing utility structures, utility poles, lines, services, or other utility appurtenances located in or affected by construction. Coordinate with authorities having jurisdiction.
- I. Prior to Cutting: Examine existing conditions prior to commencing work, including elements subject to damage or movement during cutting and patching. After uncovering existing work, assess conditions affecting performance of work. Beginning of cutting or patching means acceptance of existing conditions.
- J. Notify Board's Representative in writing, immediately on discovery of errors, omissions, discrepancies and non-compliance with applicable codes and regulations within the documents or any work which will not fit, meet acceptable tolerances, or properly function if it were to be installed as indicated in the Contract Documents. Use Request For Information processes indicated in Section 01 30 00 - Administrative Requirements. This item is in no way intended to relieve the Architect/Engineer of Record of design responsibility.
- K. Start of work specified in each section indicates contractor's acceptance of conditions related to the work including existing construction and substrates. Contractor is responsible for the satisfactory execution and results of the finished work.

3.02 PREPARATION

- A. See Division 02 for requirements related to removal and waste management.
- B. Clean substrate surfaces prior to applying next material or substance.
- C. Seal cracks or openings of substrate prior to applying next material or substance.
- D. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

3.03 PREINSTALLATION MEETINGS

- A. When required in individual specification sections, or as requested by the Architect/Engineer of Record or Board's Representative, or as required by the progress of the work, convene a preinstallation meeting at the site prior to commencing work of the section.
- B. Require attendance of parties directly affecting, or affected by, work of the specific section; including the following:
 1. Contractor.
 2. School Principal.
 3. Contractor's Representative.
 4. Architect/Engineer of Record.
 5. Installer's affected by the work.
 6. Manufacturer's or Fabricator's Representatives affected by the work.
 7. All participants shall be familiar with Project and authorized to conclude matters relating to the Work.
- C. Prepare agenda and preside at meeting:
 1. Review conditions of examination, preparation and installation procedures.
 2. Review coordination with related work.
 3. Review installation requirements with approved submittals.
- D. Record minutes and distribute copies within 5 days of meeting, to participants and those affected by decisions made.
- E. Do not proceed with installation if the conference cannot be successfully concluded. Initiate whatever actions are necessary to resolve impediments to performance of the Work and if necessary, reconvene the conference at earliest feasible date.

| | | |
|----------------------------------|--------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 6 | EXECUTION REQUIREMENTS |
|----------------------------------|--------------|------------------------|

~~~~~ **PROJECT NOTE** ~~~~~

DELETE "SURVEYING" ARTICLE BELOW IF NOT APPLICABLE TO WORK. TYPICALLY ONLY USED FOR NEW CONSTRUCTION/ADDITIONS. REVIEW CAREFULLY.

~~~ **END OF PROJECT NOTE** ~~~~

3.04 SURVEYING FOR LAYING OUT THE WORK

- A. Verify locations of survey benchmark or control points prior to starting work.
- B. Promptly notify Architect/Engineer of Record of any discrepancies discovered.
- C. Protect survey benchmark or control points prior to starting site work; preserve permanent benchmark or control points during construction.
- D. Promptly report to Architect/Engineer of Record the loss or destruction of any benchmark or control point or relocation required because of changes in grades or other reasons.
- E. Replace dislocated survey benchmark control points based on original survey control. Make no changes without prior written notice to Architect/Engineer of Record.
- F. Utilize recognized engineering survey practices.
- G. Establish a minimum of two permanent bench marks on site, referenced to established control points. Record locations, with horizontal and vertical data, on project record documents.
- H. Establish elevations, lines and levels. Locate and lay out by instrumentation and similar appropriate means:
 - 1. Site improvements including pavements; stakes for grading, fill and topsoil placement; utility locations, slopes, and invert elevations.
 - 2. Grid or axis for structures.
 - 3. Building foundation, column locations, ground floor elevations.
- I. Periodically verify layouts by same means.
- J. Maintain a complete and accurate log of benchmark, control, and survey work as it progresses. Make log accessible to Board at all times.
- K. Close site surveys with an error of closure equal to or less than the standard established by authorities having jurisdiction.
- L. On completion of foundation walls and major site improvements, prepare a certified survey illustrating dimensions, locations, angles, and elevations of construction and site work.
- M. Prepare a final property survey showing significant features (real property) for Project. Include on the survey a certification, signed by land surveyor, that principal metes, bounds, lines, and levels of Project are accurately positioned as shown on the survey.
 - 1. Show boundary lines, monuments, streets, site improvements and utilities, existing improvements and significant vegetation, adjoining properties, acreage, grade contours, and the distance and bearing from a site corner to a legal point.
 - 2. At Preliminary Acceptance, have the final property survey recorded by or with authorities having jurisdiction as the official property survey.

3.05 GENERAL INSTALLATION REQUIREMENTS

- A. In addition to compliance with regulatory requirements, conduct construction operations in compliance with NFPA 241, including applicable recommendations in Appendix A.
- B. Install products as specified in individual sections, in accordance with manufacturer's instructions and recommendations, and so as to avoid waste due to necessity for replacement.
- C. Contractor is to provide equipment necessary for the completion of the work including equipment for hoisting and staging of materials.
- D. Make vertical elements plumb and horizontal elements level, unless otherwise indicated.

| | | |
|----------------------------------|--------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 7 | EXECUTION REQUIREMENTS |
|----------------------------------|--------------|------------------------|

- E. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and horizontal lines, unless otherwise indicated.
 - F. Where space is limited, install components to maximize space available for maintenance and ease of removal for replacement.
 - G. Conceal pipes, ducts, and wiring in finished areas, unless otherwise indicated.
 - H. Lay out required blocking, backings and grounds in concealed areas.
 - I. Install products at the time and under conditions that shall ensure the best possible results. Maintain conditions required for product performance until Preliminary Acceptance.
 - J. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.
 - K. Anchors and Fasteners: Provide anchors and fasteners as required to anchor each component securely in place, accurately located and aligned with other portions of the Work.
 - 1. Mounting Heights: Where mounting heights are not indicated, mount components at heights directed by Architect/Engineer of Record.
 - 2. Allow for building movement, including thermal expansion and contraction.
 - L. Joints: Make joints of uniform width. Where joint locations in exposed work are not indicated, arrange joints for the best visual effect. Fit exposed connections together to form hairline joints.
 - M. Provide necessary access panels for work provided under the contract.
 - N. Hazardous Materials: Use products, cleaners, and installation materials that are not considered hazardous.
 - O. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated.
 - P. Make neat transitions between different surfaces, maintaining texture and appearance.
- 3.06 BOARD-INSTALLED PRODUCTS/WORK BY OTHER CONTRACTORS
- A. Provide access to Project site for Board's construction forces.
 - B. Coordinate construction and operations of the Work with work performed by Board's construction forces.
 - C. Inform Board of Contractor's preferred construction schedule for Board's portion of the Work. Adjust construction schedule based on a mutually agreeable timetable. Notify Board if changes to schedule are required due to differences in actual construction progress.
 - D. Include Board's construction forces at preinstallation conferences covering portions of the Work that are to receive Board's work. Attend preinstallation conferences conducted by Board's construction forces if portions of the Work depend on Board's construction.

~~~~~ **PROJECT NOTE** ~~~~~

DELETE 'ALTERATIONS' ARTICLE BELOW IF NOT APPROPRIATE FOR NEW CONSTRUCTION PROJECTS. REVIEW CAREFULLY.

~~~ **END OF PROJECT NOTE** ~~~

3.07 ALTERATIONS

- A. See Section 01 73 29 - Cutting and Patching
- B. Keep areas in which alterations are being conducted separated from other areas that are still occupied.
 - 1. Provide, erect, and maintain temporary dustproof partitions as necessary to protect Board's property and operations .
- C. Maintain weatherproof exterior building enclosure except for interruptions required for replacement or modifications; take care to prevent water and humidity damage.

| | | |
|----------------------------------|--------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 8 | EXECUTION REQUIREMENTS |
|----------------------------------|--------------|------------------------|

1. Where openings in exterior enclosure exist, provide construction to make exterior enclosure weatherproof.
2. Insulate existing ducts or pipes that are exposed to outdoor ambient temperatures by alterations work.
- D. Protect existing work to remain from damage or loss at all times during the execution of the Work. This includes all existing fixed, movable, or built-in furniture, equipment, and materials.
 1. Prevent movement of structure; provide shoring and bracing if necessary.
 2. Perform cutting to accomplish removals neatly and as specified for cutting new work.
 3. Repair adjacent construction and finishes damaged during removal work.
 4. Protection of items to remain is to include all measures necessary to prevent any accumulation of dust, dirt, construction debris or any physical damage. The Contractor shall be responsible for the cost of any cleaning, repair, or replacement required due to inadequate protection.

3.08 SHORING, BRACING, AND SCAFFOLDING

- A. Provide all shoring and bracing required for safety and the proper execution of the work. Install bracing and shoring so it does not interfere with the work of the Board or other Contractors.
- B. Remove shoring and/or bracing that is no longer required.
- C. Scaffolding - Provide and maintain scaffolding required in connection with the work. All scaffolding shall conform to the rules and regulations of all authorities having jurisdiction.

3.09 PROGRESS CLEANING

- A. Contractor is to comply with all requirements of the City of Chicago Construction Site Cleanliness Ordinance as applicable to this project.
 1. Portions of the ordinance that become effective subsequent to the commencement of this Contract shall be followed from the time they become effective. No change orders shall be considered for work related to provisions of the Construction Site Cleanliness Ordinance.
- B. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition. Clean debris outside of work area, including public spaces, which has resulted from construction activities.
- C. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.
- D. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.
- E. Clean areas of cutting and patching.
- F. Collect and remove waste materials, debris, and trash/rubbish from site and work areas daily and dispose in dumpsters; do not burn or bury. Do not allow washed-down debris to enter sewers or waterways.
 1. All crates and boxes are to be dismantled or flattened before being placed in the container.
 2. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
 3. Do not hold materials more than 7 days during normal weather or 3 days if the temperature is expected to rise above 80 deg F.
 4. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.
 5. See Division 02 for additional waste disposal requirements.
- G. Provide and maintain all dumpsters and/or disposal boxes as may be required for the execution of the work. Dumpsters are to be immediately removed from the site when level full. Do not over-fill.

| | | |
|----------------------------------|--------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 9 | EXECUTION REQUIREMENTS |
|----------------------------------|--------------|------------------------|

1. Use of dumpsters and waste containers belonging to the Board (Chicago Board of Education) or User (School) is strictly prohibited
 - H. Snow Removal: Remove snow and ice from the site in all work areas for access, equipment, and material storage. This includes all fenced boundaries of the construction site and sidewalks. No salt or calcium chloride is to be used in snow and ice removal.
 - I. Maintain public roads/alleys, stockpiles, storage areas, and paving areas that are used for construction operations free from any debris or damage.
- 3.10 PROTECTION OF INSTALLED WORK
- A. Protect installed and existing work from damage by construction operations. Keep installed work clean.
 1. Comply with manufacturer's written instructions for temperature and relative humidity.
 2. Clean installed surfaces according to written instructions of manufacturer or fabricator of product installed, using only cleaning materials specifically recommended and that are not hazardous to health or property.
 - B. Provide special protection where specified in individual specification sections.
 - C. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.
 - D. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings where susceptible to damage by construction activities.
 - E. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.
 - F. Protect work from spilled liquids. If work is exposed to spilled liquids, immediately remove protective coverings, dry out work, and replace protective coverings.
 - G. Clean and provide maintenance on completed construction as frequently as necessary through the remainder of the construction period. Adjust and lubricate operable components to ensure operability without damaging effects.
 - H. Prohibit traffic or storage upon waterproofed or roofed surfaces. If traffic or activity is necessary, obtain recommendations for protection from waterproofing or roofing material manufacturer. Any damage resulting from roof leaks caused by roof operations shall be the responsibility of the Contractor.
 - I. Prohibit traffic from landscaped areas.
 - J. Remove protective coverings when no longer needed; reuse or recycle coverings if possible.
 - K. Refinish or replace all damaged surfaces, assemblies, and equipment representing the finished work
 - L. Clean concealed areas before enclosing.
 - M. Supervise work to prevent damage to existing and installed construction.
- 3.11 SAFETY, SECURITY, AND FIRE PROTECTION
- A. The Contractor is solely responsible for all safety and security at the project site. Assign a designated job safety person.
 - B. Conduct operations in accordance with all applicable regulations and requirements of local state and federal laws, including OSHA.
 - C. Provide safety protection, fall protection, barricades, warning signs, and coverings as required by the City of Chicago Building Code and Ordinance, OSHA or by the Board. Maintain lights or signals as warning during the work, removing same when completed. Maintain MSDS/SD Sheets on site for products used in the work. Submit with close-out documents.
 - D. Replace protection, barriers, safety devices or warnings immediately upon completion of work requiring the removal of same or at the end of a working day should the work exceed one day.
 - E. Provide all safety equipment or weather protective gear required to perform the work including personal protective equipment such as eye, ear protection, and hard hats. Access to roofs

| | | |
|----------------------------------|---------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 10 | EXECUTION REQUIREMENTS |
|----------------------------------|---------------|------------------------|

shall be through roof scuttles where available, otherwise use properly anchored, OSHA approved ladders.

- F. Furnish all flagmen required for deliveries to the site..
- G. Watchman Service: No watchmen will be provided. The Board will not be responsible for a loss on account of theft of or damage to the property and/or equipment of any Contractor.
- H. When working in an existing facility, lock and secure the premises at the end of the workday. Protect all work from damage, vandalism, and theft.
- I. Fire Protection: Conform with all regulations for the City of Chicago Fire Department and of the Contractor's and Board's Fire Insurance carrier for storage of flammable materials on site.
- J. Provide blankets and auxiliary fire protection as required to prevent damage to adjacent work or materials as a result of welding, burning, or cutting by torch. Obtain Board's approval of welding or torch work in the existing facility before starting.
- K. Fire prevention facilities shall include fire extinguishers in adequate supply where flammable demolished materials accumulate and as otherwise required by OSHA and NFPA regulations.

3.12 SYSTEM STARTUP

- A. Coordinate schedule for start-up of various equipment and systems.
- B. Verify that each piece of equipment or system has been checked for proper lubrication, drive rotation, belt tension, control sequence, and for conditions that may cause damage. Adjust for proper operation.
- C. Verify tests, meter readings, and specified electrical characteristics agree with those required by the equipment or system manufacturer.
- D. Verify that wiring and support components for equipment are complete and tested.
- E. Execute start-up under supervision of applicable Contractor personnel and manufacturer's representative in accordance with manufacturers' instructions.
- F. When specified in individual specification Sections, require manufacturer to provide authorized representative to be present at site to inspect, check, and approve equipment or system installation prior to start-up, and to supervise placing equipment or system in operation.
- G. See Section 01 40 00 - Quality Requirements for additional requirements.
- H. Start equipment and operating components and test to confirm proper operation. Remove damaged or malfunctioning units, replace with new units, and retest.

3.13 CORRECTION OF THE WORK

- A. Repair or remove and replace defective construction. Restore damaged substrates and finishes.
 - 1. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment.
- B. See Section 01 73 29 - Cutting and Patching for additional requirements.
- C. Restore permanent facilities used during construction to their specified condition.
- D. Remove and replace damaged surfaces that are exposed to view if surfaces cannot be repaired without visible evidence of repair.
- E. Repair components that do not operate properly. Remove and replace operating components that cannot be repaired.
- F. At newly installed locations, or locations impacted by construction activities Remove and replace chipped, scratched, and broken glass or reflective surfaces.

3.14 SITE CLEANING

- A. At all site areas impacted by construction activities:
 - 1. Remove all rubbish, waste material, litter, and other foreign substances.
 - 2. Remove all tools, machinery, construction equipment, dumpsters, temporary fencing and barriers, temporary storage containers and stored materials.

| | | |
|----------------------------------|---------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 11 | EXECUTION REQUIREMENTS |
|----------------------------------|---------------|------------------------|

3. Remove temporary protection from plants and gardens, remove trash and debris, and return areas to their previous condition.
4. Sweep paved areas broom clean and power wash to remove equipment marks, spills, stains or other deposits left by construction activities.
5. Rake grounds that are neither planted nor paved to a smooth, even-textured surface.
6. Remove snow and ice to provide safe access to building.

3.15 CONSTRUCTION CLEANING

A. Complete the following Construction Cleaning operations at all areas impacted by construction activities before requesting inspection for certification of Preliminary Acceptance for entire project or for a portion of project:

1. General - Construction Clean:
 - a. Remove construction debris from limited access spaces including but not limited roofs, plenums, equipment vaults, and attics.
 - b. Remove labels that are not permanent and protective film from newly installed products. Do not remove "UL" labels and other similar identifiers including mechanical and electrical nameplates.
 - c. Clean surfaces and finishes to a dirt- and dust-free condition; take care not to scratch finished surfaces.
 - d. Touch up and otherwise repair and restore marred, exposed finishes and surfaces. Replace components that cannot be satisfactorily repaired.
 - 1) Do not paint over "UL" and similar labels, including mechanical and electrical nameplates.
 - e. Verify entire project area is clean and ready for occupancy, with a CPS Authorized Representative.
2. Floors and Horizontal Surfaces - Construction Clean:
 - a. Sweep concrete floors broom clean using sweeping compound or other non-dust producing product.
 - b. Vacuum carpet and similar soft surfaces, removing debris and excess nap.
 - c. Clean newly installed resilient floors in accordance with manufacturer's written instructions for post installation initial cleaning.
 - d. Clean existing resilient floors using microfiber wet mop.
 - e. Clean newly installed terrazzo floors in accordance with manufacturer's written instructions for post installation initial cleaning.
 - f. Clean existing terrazzo floors using microfiber wet mop.
 - g. Clean newly installed and existing wood floors using microfiber wet mop.
 - h. Clean resilient or tile floors in food service areas and finish according to manufacturers' specifications. Comply with requirements of CDPH.
 - i. Clean countertops, window sills, woodwork, and finished horizontal surfaces in classrooms, offices, corridors, and other occupied spaces.
3. Walls and Vertical Surfaces - Construction Clean:
 - a. Clean walls, woodwork, and finished vertical surfaces in classrooms, offices, corridors, and other occupied spaces.
 - b. Clean transparent materials, including mirrors and glass in doors and windows.
4. Fixtures, Specialties, Furnishings, and Equipment - Construction Clean:
 - a. Clean toilet room fixtures, partitions, accessories and mirrors to provide sanitary condition.
 - b. Wipe surfaces of mechanical and electrical equipment, elevator equipment, and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.

| | | |
|----------------------------------|---------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 12 | EXECUTION REQUIREMENTS |
|----------------------------------|---------------|------------------------|

- c. Clean exposed surfaces of diffusers, registers, and grills.
- d. Replace disposable air filters and clean permanent air filters on newly installed equipment.
- e. Clean lenses and reflectors of newly installed light fixtures, and those impacted by construction activities.

~~~~~ **PROJECT NOTE** ~~~~~

DELETE DEEP CLEANING PARAGRAPH IF NOT REQUIRED BY PROJECT. AOR TO COORDINATE WITH CPS PM/DM FOR SCOPE REQUIREMENTS

~~~ **END OF PROJECT NOTE** ~~~

3.16 DEEP CLEANING

- A. This project will require a Deep Cleaning of areas affected by construction, including non-renovated spaces. Complete the following Deep Cleaning operations before requesting inspection for certification of Preliminary Acceptance for entire project or for a portion of project:
 - 1. General - Deep Clean:
 - a. At a minimum, all expectations noted in Construction Clean should be reached in addition to the Deep Clean requirements below.
 - b. Verify entire project area is clean and ready for occupancy, with a CPS Authorized Representative.
 - 2. Floors and Horizontal Surfaces - Deep Clean:
 - a. Vinyl tile floors are to be stripped and scrubbed clean to remove old wax and receive new wax per CPS requirements.
 - 1) Apply floor finish remover or stripper with a microfiber mop. Allow enough time for the stripper to liquefy the finish. Always strip the floor wet.
 - 2) Scrub the floor using the least abrasive pad possible. Run the machine at a low rate of speed (175-300 rpm).
 - 3) Use a wet vacuum to thoroughly clean the floor and remove the old wax/finish (Wet Vac must have a Hepa Filter).
 - 4) Dispose of dirty wax in designated sink basins.
 - 5) If necessary, repeat the steps above until all the existing finish is removed
 - 6) Thoroughly rinse the floor after all existing finish is removed.
 - 7) Apply floor finish to clean, dry floors. Apply five (5) finish coats at classrooms, apply seven (7) finish coats at corridors. Allow each coat enough time to cure and dry before applying the next coat.
 - 8) Burnish floor. Make sure floor is well sealed and /or finished before you begin. Run the machine used to buff the floor at the lowest rate of speed possible (300-1100 rpm's).
 - b. Where existing flooring has been previously finished with "Black Wax" apply two coats of the Black Wax and three coats of floor finish.
 - c. Scrub terrazzo floors. Apply two (2) coats of terrazzo seal and seven (7) coats of floor finish, and burnish floor.
 - d. Wood floors that do not receive a new finish in the contract are to be screened and receive new polyurethane finish.
 - 1) A 120 grit screen pad is typically used for this process. Do not apply water to the floor. Screening is always done on a dry floor.
 - 2) Ensure that the area is well ventilated as this process will create lots of dust

| | | |
|----------------------------------|---------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 13 | EXECUTION REQUIREMENTS |
|----------------------------------|---------------|------------------------|

- 3) After screening a floor, another layer of poly should be applied to the floor
3. Toilet Rooms and Locker Rooms - Deep Clean:
- Remove all trash from the restroom
 - Spray shower and tub with germicidal cleaner from the bottom up. (Let it soak)
 - Spray corners of restroom with all-purpose cleaner. Let it soak to work on stubborn stains and build-up
 - High dust. (Including light)
 - Sanitize all surfaces. (Do not use this cleaning cloth outside of the restroom)
 - Spot clean walls.
 - Clean entire sink with all-purpose cleaner. (Under sink too) (Used daily, cream cleansers can damage porcelain.
 - Clean mirrors using glass cleaner.
 - Clean inside toilet with bowl cleaner and brush. (Do not touch outside of toilet with toilet bowl brush)
 - Clean outside of toilet with germicidal solution. (Discard cleaning cloth when toilet is complete.)
 - Restock all supplies. (Never store extra supplies outside of containers)
 - Wipe down shower and tub. (Remove any hair or debris from the drain)
 - Wipe out corners of restroom.
 - Empty trash and place in new liner in the can.
 - Dust mop and damp mop using microfiber mops.

~~~~~ **PROJECT NOTE** ~~~~~

DELETE PEST CONTROL BELOW IF NOT APPLICABLE TO PROJECTS. VERIFY WITH OWNER'S REPRESENTATIVE.

~~~ **END OF PROJECT NOTE** ~~~

3.17 INTEGRATED PEST MANAGEMENT

- A. Integrated Pest Management: Engage the approved, licensed exterminator to make a final inspection and rid Project of rodents, insects, and other pests. Prepare a report per 01 57 51 - Integrated Pest Management.

END OF SECTION

| | | |
|----------------------------------|---------------|------------------------|
| NAME OF SCHOOL
PROJECT NUMBER | 01 70 00 - 14 | EXECUTION REQUIREMENTS |
|----------------------------------|---------------|------------------------|