

SECTION 011200 – MULTIPLE CONTRACT SUMMARY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes a summary of each Prime Contract, including responsibilities for coordination and temporary facilities and controls. One set of Construction Documents is issued covering the Work of multiple Prime Contracts. Each Prime Contract is responsible to review all drawings and specifications for specific requirements indicated, and for a general understanding and knowledge of the work of other Prime Contracts. All Prime Contracts are responsible for all Work of their Contract no matter what drawing on which the Work appears. All Prime Contracts are responsible to coordinate their work related to the complete set of drawings and specifications, not limited to each prime contractor scope. **All Bidders should acknowledge that for each contract listed below, each contractor is their own General Contractor and subject to all General Contractor requirements.**
- B.

1. General Construction Contract

The General Construction Contractor shall be selected based on the bid procedure as described in the Bid Documents. Contract Bidders are responsible for trade work coordination and are not limited to the drawings listed below.

- a. Bid Package Contract No. 01 – General Construction Work: All work related to General Construction includes removal and reinstallation. Work includes but not limited to the following items: (Refer to the Contract Documents for full scope of work.)
 - i. Fire rated wall repair, new and existing ACT ceiling demolition and reinstallation, abatement, painting, patching, access door installation, and installing any noted casework, lintel and steel angle install, roof openings, structural steel, roof flashing, installation of roof curbs and reinstallation of roof exhaust fans (coordinate with MC), install access panels for MEP trades, removal of equipment and appliances as noted, joint sealing, patch and repair openings, reinstallation of existing

casework & countertops (coordinate sink reinstallation with PC/MC), install of new gypsum board ceilings (coordination required with PC/MC/EC) & provide access panels at necessary locations, demolition and reinstallation of mechanical grilles.

- ii. Work related to drawings; *(In addition to these drawings, the contractor is required to review all specifications included in the overall contract that may contain related scope or detail for this specific contract.)*
 - 1. District wide Kitchen Hood Replacement Architectural Drawings and other referenced drawings.

2. Electrical Contract

The Electrical Contractor shall be selected based on the bid procedure as described in the Bid Documents. Contract Bidders are responsible for trade work coordination and are not limited to the drawings listed below.

- a. Bid Package Contract No. 02 - Electrical Work: All work related to Electrical Contractor which includes but is not limited to the following items: (Refer to the Contract Documents for full scope of work.)
 - i. Provide all electrical power demolition and reinstallation for kitchen equipment, lighting devices and switches, and kitchen hood exhaust fans. Demolition and reinstallation of lighting fixtures (new, remove and replace), fire alarm devices and equipment, kitchen hood fire suppression system (FA connection & power), connections to FACP, smoke detector and heat detector equipment and wiring, all patching and painting and firestopping related to the installation of this scope, transformers/drivers/relays, power to exhaust fans, and disconnection and reconnection of power to any mechanical HVAC units and all city filings and permits for any reason and as required throughout the District Wide Projects.
 - ii. Work related to drawings; *(In addition to these drawings, the contractor is required to review all specifications included in the overall contract that may contain related scope or detail for this specific contract.)*
 - 1. District wide Kitchen Hood Replacement Electrical Drawings.

3. Mechanical Contract

The Mechanical Contractor shall be selected based on the bid procedure as described in the Bid Documents. Contract Bidders are responsible for (a) trade work coordination, (b) the scope contained in drawings listed below and (c) any and all additional scope specifically identified to be performed by the Mechanical Contractor in other Bid Packages in the Contract.

- a. Bid Package Contract No. 03 - Mechanical Work: All work related to Mechanical construction includes but is not limited to the following items: (Refer to the Contract Documents for full scope of work.)
- b.
 - i. Providing of mechanical access panels, new or reuse of existing mechanical work, demolition of existing equipment and mentioned in contract drawings, furnish roof curbs and roof exhaust equipment, commissioning/decommissioning of all equipment, any temporary support required for ductwork needed during ceiling demolition, furnishing & installation for hangers and supports for any new ductwork installations, furnish and install all fans, ventilation, make up air units, air grilles, metal ductwork, kitchen hood exhaust equipment and associated ductwork and dampers, final mechanical connections for Kitchen Equipment provided by Kitchen Equipment contractor, watertight protection of open duct and mechanicals, mechanical system demolition, control wiring and BMS integration, patching and painting related to installation of all scope, and all city and Department of Health and AHJ required filings and permits.
 - ii. All work related to drawings; *(In addition to these drawings, the contractor is required to review all specifications included in the overall contract that may contain related scope or detail for this specific contract.)*
 - 1. District Wide Kitchen Hood Replacement Mechanical Drawings.

4. Plumbing Contract

The Plumbing Contractor shall be selected based on the bid procedure as described in the Bid Documents. Contract Bidders are responsible for trade work coordination and are not limited to the drawings listed below.

- a. Bid Package Contract No. 04 - Plumbing Work: All work related to plumbing construction which includes but is not limited to the following items: (Refer to the Contract Documents for full scope of work.)
 - i. Provide any necessary access panels for valves, fire rating/firestopping of penetrations, all demolition and discard of plumbing fixtures, valves and piping as mentioned in contract documents, installations of gas piping, gas piping connection to equipment, interior and exterior gas piping, temporary capping of all piping back to mains and new connections, addition of any necessary valves and deemed by the owner and any shut off valves mentioned in contract documents, final connections for Kitchen Equipment provided by the KE contractor, testing and inspection of piping, all city filings and permits for any reason and as required, Rockland County Department of Health and the AHJ, throughout the District Wide Project (DW). Gas hoses are to be furnished by (KE) Kitchen

Equipment Contractor and turned over to (PC) Plumbing Contractor for installation and final connections.

- ii. All work related to drawings; *(In addition to these drawings, the contractor is required to review all specifications included in the overall contract that may contain related scope or detail for this specific contract.)*
 - 1. District wide Kitchen Hood Replacement Plumbing Drawings.

5. Kitchen Equipment Contract

The Kitchen Equipment Contractor shall be selected based on the bid procedure as described in the Bid Documents. Contract Bidders are responsible for (a) trade work coordination, (b) the scope contained in drawings listed below and (c) any and all additional scope specifically identified to be performed by the Kitchen Equipment Contractor in other Bid Packages in the Contract.

- a. Bid Package Contract No. 05 – Kitchen Equipment Work: All work related to Kitchen Equipment construction includes but is not limited to the following items: Provide referenced kitchen equipment as noted in construction documents. Kitchen Equipment Contractor is to coordinate with other Prime contracts for MEP connections and dates scheduled. KE Contractor is responsible for the testing and commissioning of the equipment provided as well as training for district kitchen staff at all building locations.
(Refer to the Contract Documents for full scope of work.)
 - i. Provide all kitchen equipment noted on drawings.
 - ii. All work related to drawings; *(In addition to these drawings, the contractor is required to review all specifications included in the overall contract that may contain related scope or detail for this specific contract.)*
 - 1. District Wide Kitchen Hood Replacement Drawings.

- 1) Related Sections include, but are not limited to, the following:
 - 2. Division 01 Section "Work Restrictions" for use of the Project site and for requirements for continued Owner occupancy of premises.
 - 3. Division 01 Section "Project Management and Coordination" for general coordination requirements.
 - 4. Division 01 Section "Project Forms" for documents required for Testing and Coordination.
 - 5. Division 01 Section "Temporary Facilities and Controls" for specific requirements for temporary facilities and controls.

1.3 DEFINITIONS

- A. Building Site: The Building Site shall be defined in the Construction Documents, as the building footprint, and all related construction within a five-foot (5'0") distance of the building's exterior face, unless noted or assigned otherwise. Coordinate with specific exceptions to the 5'0" limit indicated within each Scope of Work outline.
- B. Permanent Enclosure: As determined by the Architect: permanent or temporary roofing is complete, insulated, and weathertight; and all openings are closed with permanent construction or substantial temporary closures. All cost associated with failure to maintain described installations that result in any damage or contamination to the Owner's property, shall be borne by the Prime Contract responsible for the installation.

1.4 MANAGEMENT AND COORDINATION

- A. The Owner shall provide a Construction Manager.
 - 1. The Construction Manager shall provide a full time construction site representative recognized as the Construction Manager.

1.5 CONSTRUCTION MANAGER

- A. The construction manager shall provide on-site administration of the Contracts for Construction in cooperation with the Architect as set in AIA Document A232TM – 2019, General Conditions of the Contract for Construction, Construction Manager as Adviser Edition, as modified.
- B. The Construction Manager shall provide administrative, management and related services to coordinate scheduled activities and responsibilities of the Multiple Prime Contractors with each other and with those of the Construction Manager, the Owner and the Architect. The Construction Manager shall coordinate the activities of the Multiple Prime Contractors in accordance with the latest approved Project Schedule and the Contract Documents.
- C. Utilizing the construction schedules provided by the Multiple Prime Contractors, the Construction Manager shall update the Project schedule, incorporating the activities of the Owner, Architect, and Multiple Prime Contractors on the Projects, including activity sequences and durations, allocation of labor and materials, processing of Shop Drawings, Product Data and Samples, and delivery and procurement of products, including those that must be ordered will in advance of construction. The Project schedule shall include the Owner's occupancy requirements showing portions of the Project having occupancy priority.
- D. Utilizing information from the Multiple Prime Contractors, the Construction Manager shall schedule and coordinate the sequence of construction and assignment of space in areas where the Multiple Prime Contractors are performing Work, in accordance with the Contract Documents and the latest approved Project Schedule.

1.6 GENERAL REQUIREMENTS OF PRIME CONTRACTS

- A. Prime Contracts: The context used in this Section are separate Prime Contracts that represent significant elements of work that is to be performed concurrently and in close coordination with the work of other Prime Contracts for the benefits of the Owner. Each Prime Contract is recognized to be a major part of the Work.
- B. Assignment of Work: Should a conflict be indicated, Section 011200 shall take precedence over all scope of work assignments that may be indicated elsewhere within the Construction Documents.
- C. Seismic Requirements: Prime Contracts are to be aware that the building(s) is located within a Seismic Zone indicated in the documents and shall provide installations in compliance with all related code requirements.
- D. Layout and Installation: Each Prime Contractor shall schedule, layout and install their Work in such manner as not to delay or interfere with, but to compliment the execution of the work of other Prime Contracts, utility companies and Owner's operations.
- E. Extent of Contract: The Contract Documents, drawings and specifications each contain more specific descriptions of the Work facilitating which Prime Contract includes specific elements of the Project.
 - 1. Work provided by each Prime Contract shall mean complete and operable systems and assemblies, including products, components, accessories and installations required by the Construction Documents or indicated otherwise.
 - 2. Prime Contractors shall exercise good judgment and perform all work according to related industry standards.
 - 3. The Owner is exempt from payment of Federal, State and local taxes, including sales and compensating use taxes on all materials and supplies incorporated in completing the Work; these taxes are not to be included in the Bid. This exemption does not apply to tools, machinery, equipment or other property leased by, or to, the Contractor or sub-contractor, or to supplies and materials, which even though consumed are not incorporated into the completed work. Prime Contractors, and their sub-contractors, shall be responsible for paying any and all applicable taxes on said tools, machinery, equipment or property, and upon all said unincorporated supplies and materials, whether purchased or leased.
 - 4. Prime Contracts shall understand that time is of the essence, and will adequately staff the Project by employing the appropriate trade's people to perform the Work; these people shall be experienced in their respective trades. A shortage of labor in the industry shall not be accepted as an excuse for not properly staffing the Project; all efforts shall be made to meet or exceed the schedule, including additional staff and/or labor hours necessary. All cost associated with this item shall be included within the Bid.

5. Local custom and trade union jurisdictional settlements will not control the scope of the Work of each Prime Contract.
 - a. When a potential jurisdictional dispute or similar interruption of Work is first identified, or threatened, the affected Prime Contracts shall promptly negotiate a reasonable settlement to avoid or minimize the pending interruption and delays.
 - b. Contractor's trade-related issues shall not be grounds for modification or extension of scheduled completion date(s).
6. The Work of all Prime Contracts requires close coordination with other Prime Contracts and construction personnel. Maintain flexibility and cooperation through the Project. "Out of Sequence" and "Delay" claims will only be considered when requirements of Division 01 "Administrative Requirements" have been adhered to. Delay claims must be in writing and forwarded to the Architect, per the requirements of the General Conditions of the Contract. Claims not submitted per these requirements will be rejected and/or denied.
7. The intention of the Work is to follow a logical sequence, however, a Prime Contractor may be required by the Architect or Construction Manager, to temporarily install, omit or leave out a section(s) of Work, out of sequence. All such out of sequence work, and come back time, at these areas shall be performed at no additional cost to the Owner.
 - F. Substitutions: Per Division 01 Section "Substitution Procedures", each Prime Contractor shall cooperate with the other Prime Contractors involved, to coordinate approved substitutions with remainder of the Work. Contractors shall submit all "Substitutions" at least ten (10) days prior to the date for receipt of Bids as specified in the Instructions to Bidders 002113 Section 3.3 Equivalents or bid will be considered per "basis of design".
 - G. Construction Schedules: Refer to Divisions 01 Section "Construction Progress Documentation", "Milestone and Phasing Schedule" and "Project Management and Coordination" for requirements related to meetings and schedules.
 - H. All Multiple Prime Contractors shall bid and schedule work based on Construction Schedule for Kitchen Hoods provided below:
 1. During Summer School Break 2022 work for all trades shall be focused on completion of work at Elmwood Elementary School, Kakiat STEAM Academy, Margetts Elementary School, Chestnut Ridge Middle School, Hempstead Elementary School, and Pomona Middle School. Work at the following locations shall commence upon release of students for Summer Break and shall be completed before students return for the start of the school year in September of 2022.

2. During Summer School Break 2023, work for all trades shall be focused on completion of work at Eldorado Elementary School, Fleetwood Elementary School, Grandview Elementary School, Summit Park Elementary School, and Lime Kiln Elementary School. Work at these locations shall commence upon the release of students for the Summer Break and shall be completed before students return for the start of the school year in September of 2023.
- I. Construction Sequencing and Phasing: Prime Contractor shall understand that Sequencing and/or Phasing Plans are contingent upon the work areas being complete/occupied, prior to the next area of Work beginning. Should an area of construction not be complete per the Milestone and Phasing Schedule, the Project Master Construction Schedule/Sequencing Plans will be adjusted accordingly. The Owner will not be responsible for delay claims due to adjustments being no fault of their own.
 1. Prime Contracts may be required to re-sequence the phasing of the project as a result of changes to the schedule. Prime Contracts shall provide these adjustments at no additional cost to the Owner.
 - J. Prime Contract shall verify existing conditions in the field prior to work commencing in that area and immediately report conditions to the Architect that are not represented correctly by the Construction Documents.
 1. Each Prime Contract is responsible for familiarizing himself with Project Site Logistics and provide a "site logistics plan locating storage area, scaffolds, rubbish areas, stock piles and egress related to all work, included phased construction within 30 days of award.
 2. Each Prime Contract has been given ample opportunity to review Existing Conditions related to the Project. Existing Conditions not noted in the Construction Documents that could be easily recognized during pre-bid review that interfere with the respective Prime Contract's work, shall be the responsibility of the respective Prime Contract. This includes all costs associated with removal, patching, relocation or re-fabrication of installations.
 - K. Hazardous Materials: Each Prime Contract shall familiarize themselves with the Hazardous Materials Sections/Drawings of the Construction Documents, and follow DOL/OSHA/EPA/SED regulations while performing their respective Work in these areas. Discovery of non-identified or concealed hazardous materials shall be reported to the Construction Manager immediately and followed up with written documentation of the event.
 - L. Protection of Installations: Each Prime Contract is responsible for protecting their installations at all times. All costs incurred to repair, replace or clean insufficiently protected materials/installations shall be the responsibility of the installing Prime Contract.

1. Architect shall be notified, in writing, immediately upon material/installation being damaged; notification shall indicate responsible party.
 2. Owner will not be liable for damaged materials and/or installations by "others", when "others" cannot be identified.
 3. Repair damaged work, clean exposed surfaces or replace construction installations that cannot be repaired.
 4. Each Prime Contract shall be responsible for removing all labels not required to remain from their installations.
 5. Installations shall be wiped clean and proper protection then installed.
 6. Each Prime Contract is responsible to protect another primes work in the event that prime has to work over or on top of that other primes work being complete. The prime working over the completed work takes full responsibility of that other primes completed work both in condition and operation.
- M. Daily Cleaning: All Prime Contracts are responsible for any and all debris caused by their Work, including the Work of their subcontractors. A daily clean up and disposal is required by each Prime Contract for the periods which that Prime Contract, or its subcontractors, are performing Work on site.
1. Assign at least one person for a daily clean and sweep of the work area(s). Prime Contractor shall allot sufficient manpower and time for this to be completed by the end of each shift. Submit name of this person(s) to Construction Manager.
 - a. Construction Manager shall have the authority to give direction to person(s) on the Project Site identified by the Prime Contract as designated for cleanup tasks. This shall include the safety review/securing of the site-work zone after each shift.
 - b. This person must check that no construction debris was dumped in any district dumpers during this end of shift site review; if found the contractor must remove immediately the next morning to avoid back charge costs of \$1500 per day not removed.
 2. Any Prime Contract not providing personnel for Daily Cleaning will be Back Charged for labor provided by the Owner to complete this task.
 3. Contractor working solely in an area shall be responsible for clean/sweep of that area.
 4. Daily cleaning will not mean any one Prime Contract is responsible for assisting another Prime Contract with removing major quantities of debris created by a particular Prime Contract's Work.
 5. Daily cleaning will be mandated to remove from the building any debris created by day-to-day activities. All Prime shall assist in sweeping shared work areas and shared corridors while working on site. Each Prime shall assist in mopping of shared corridors while working on site or as required by the Owner.
 6. All prime contractors and subcontractors are required to provide sweeping compound for daily cleaning in their respective exterior and interior work areas.

Each Prime Contract shall provide a sufficient number of brooms or other necessary tools, for use by their personnel to adequately fulfill their obligations.

7. All prime contractors shall provide and maintain garbage cans/refuse containers with liners for each construction area of their respective contracts as directed by the Construction Manager and shall be responsible for disposing of these materials to a dumpster.
8. All prime contractors provide the necessary equipment/containers (lull/skip-box) to move daily clean/sweep debris from the building to a dumpster on a daily basis, for each construction area of their respective contracts. Skip-box shall be emptied to a dumpster by 9:00 a.m. the following day.
9. Cleaning shall be deemed a Safety & Health issue, with Prime Contracts being held accountable for fulfilling their contractual obligations.
10. Final Cleaning: At Substantial Completion of each area of construction, each Prime Contract shall wipe/vacuum clean all of their respective installations; All interior contracts performing work inside the buildings shall mop clean all building surrounding areas and finish flooring and remove all marks/blemishes to the finish, for each construction area of their respective contracts. Each area of construction shall be wiped clean of all construction dust and debris prior to turnover to the Owner.

N. Cutting and Patching: All Primes are responsible for cutting and patching required to complete their Work. All repair of existing finish Work (including finish floors) shall be performed by contract requiring work, meeting or exceeding minimum contract requirements for that particular section, specification, or type of work. All concealed openings (piping, ductwork, conduit, etc.) must be repaired to comply with specified wall or deck conditions as well as required fire and sound ratings. All corridor penetrations require fire safing. If contractor elects to install their new work in an existing unrated wall or floor opening, whereas the wall/floor is a fire rated condition, that contractor is responsible to fire rate that opening to match the wall/floor fire rating with new and all other existing wire, piping, ducts etc. Other areas are noted in drawings and specifications.

- 1.7 PROJECT SCHEDULE. The nature of this project is to complete all the work listed in the schedule by **the Project Closeout Dates specific to each Prime Contract as listed below**. Each Prime Contractor shall include in their bid proper allowances for foul weather.

A. Bids Received: **10AM Wednesday, June 1st, 2022.**

- B. Award of Contract: **June 8th, 2022.**
 - C. Notice to Proceed: **June 13th, 2022.**
 - D. Submittals: The following items are to be submitted within 60 business days after Notice to Proceed:
 - 1. Submittal List and Submission Schedule
 - 2. Field Investigations
 - 3. Shop Drawings
 - 4. Long Lead Items
 - 5. Schedule of Values and Key Submittal List
 - E. Mobilization for Summer 2022 schools: June 27, 2022.
 - F. Start of Construction Work for Summer 2022 schools: June 27, 2022
 - G. Substantial Completion for Summer 2022 schools: August 26, 2022
 - H. Project Closeout for Summer 2022 schools: October 31, 2022
 - I. Mobilization for Summer 2023 schools: June 27, 2023.
 - J. Start of Construction Work for Summer 2023 schools: June 27, 2023
 - K. Substantial Completion for Summer 2023 schools: August 26, 2023
 - L. Project Closeout for Summer 2023 schools: October 31, 2023
- 1.8 TEMPORARY FACILITIES AND CONTROLS OF PRIME CONTRACTS
- A. Conditions of Use: Keep temporary services or conditions clean and neat in appearance. Operate in a safe and efficient manner. Relocate temporary facilities as required as work progresses; do not overload facilities or permit them to interfere with progress. Take necessary fire prevention measures; do not allow hazardous, dangerous, or unsanitary conditions to develop or persist on the Project site.
 - 1. Installation, operation, maintenance, and removal of each temporary service or condition are considered part of the respective Prime Contract's own construction activity, as are costs and use charges associated with each facility.

2. Locate service or condition where they will serve the Project adequately and with minimum interference of the Work, coordinate with the Construction Manager and the other Prime Contracts prior to installation.
- B. Temporary Use of Permanent Facilities: Prime Contract, as installer of each permanent service or condition, shall assume responsibility for its operation, maintenance and protection during use as a construction facility prior to the Owner's acceptance, regardless of previously assigned temporary facilities and controls responsibility.
- C. Owner's Facilities: Contractors are not allowed to use the Owner's facilities (toilets, telephones, food service, etc.) for their own benefit or convenience. Prime Contract Superintendents shall enforce this policy with their respective work forces.
1. Construction personnel parking will be restricted to area as directed and agreed to by the Owner, and to facilitate the completion of the work. Owner reserves the right to remove from their property, unauthorized vehicles occupying unauthorized areas, at respective vehicle owner's expense.
- D. Storage on the Project Site: Each Prime Contract shall provide sufficient secure weather-tight storage facilities for their materials and equipment. These storage containers are required to be located on the "site logistics plan" The Owner's facilities and the Project's building areas shall not be used for storage unless agreed upon, in writing, with the Owner via the Construction Manager.
1. Until permanently incorporated into the Work, all materials on the Project site are considered to be the Prime Contract's responsibility for security and protection.
 2. Prime contractor is required to check on their onsite stored material periodically to ensure that all material continues to be located in the stored location and that it remains protected from all damage, theft, and endangerment to others and ready to be used on notice for coordination with other contractors. Failure to arrange for materials to be on site to complete coordinated work with other Prime Contractors will result in back charges for delays resulting therefrom.
 3. Temporary long-term storage facilities are not available to Prime Contracts by the Owner.
 4. Prime Contractors and their subcontractors, shall coordinate deliveries with the Construction Manager to ensure that disruptions and Owner inconvenience are avoided.
- E. Tools and Equipment: Each Prime Contractor shall provide all tools and equipment necessary for its own activities; this includes secure lock-up and storage for all items on the Project Site.
1. Provide all construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities; this shall include any additional supplementary power, ventilation, lighting requirements and weather protection.

- F. Project Site Communication: Each Prime Contractor shall provide their Superintendent with a mobile phone for the duration of the Project, as indicated in their Scope of Work. Construction Manager shall be furnished with contact numbers associated with each phone.
- G. Safety: Prime Contracts, not the Architect or Construction Manager, are responsible for Project Site Safety, as related to their operations (refer to Section 013150 "Special Procedures" for further requirements).
 - 1. Each Prime Contract shall correct safety hazards and violations immediately. If safety issues are not immediately rectified, the Owner shall secure outside sources to correct the deficiency and back charge the responsible Prime Contract.
 - 2. Maintain unobstructed access/egress to fire extinguishers, fire hydrants, stairways, corridors, ladders and other safety routes/devices.
- H. Fire Extinguishers: All Prime Contracts provide and maintain "general use" fire extinguishers for each construction area of their respective contracts; comply with applicable codes for quantities required. Use of the Owner's fire extinguishers to meet this requirement is not permitted. Comply with NFPA for recommended classes for exposure; extinguishers shall be inspected and appropriately tagged prior to being brought on site. Provide stands, painted bright orange, sturdy enough to carry the extinguisher, and built as not to create a tripping hazard.
 - 1. Each Prime Contract shall supplement this requirement by providing additional fire extinguishers specifically related to their work activity (e.g., welding, soldering, abrasive cutting, etc.).
 - 2. Each Prime Contract shall provide and maintain proper fire extinguishers at/in their respective on site office and storage facilities.
 - 3. Store combustible materials in approved containers in fire-safe locations.
- I. Welding: Any Prime Contract performing welding, cutting or other activities with open flames or producing sparks shall at a minimum:
 - 1. Coordinate interruption/shutdown of detection system(s) to avoid creating false alarms.
 - 2. Protect the area and surrounding areas from fire and damage.
 - 3. Maintain fire extinguishers, compatible with activity, at the location of the activity.
 - 4. Provide a continuous Fire Watch during the activity and one-half hour beyond the completion of the activity.
 - 5. Provide all necessary fans and ventilation required for the activity.
 - 6. Any welding, burning and or use of flame the contractor is required to provide all required "hot work permit" to use such equipment 24 hours prior to start of the hot work. Its mandatory that no "hot work" shall start without these permits issued to the CM and Owner for each time that hot work is scheduled to be performed.

Failure to this requirement will result to the removal of the project super of that company from all district projects.

7. "Hot work" in buildings cannot occur during periods when building is occupied.
- J. Remove each temporary facility when it can be replaced by the authorized permanent facility no later than Substantial Completion, or as directed by the Architect and/or Construction Manager. Complete or restore permanent facilities that may have been delayed due to interim use of a temporary barrier or condition.
- K. Temporary Power: Each Prime Contractor shall provide for their own temporary power needs for any scheduled electrical utility shutdowns. Each Prime Contractor shall provide for their own temporary generators, power cords and temporary lighting as needed during these periods to continue to perform their work and maintain adherence to the Milestone Phasing Schedule and approved Project Master Schedules. All temporary power equipment shall comply with all applicable codes and regulations.
- L. Waste Disposal Facilities:
 1. General debris/refuse/construction waste containers (dumpsters) shall be provided by each prime contractor and secured as specified herein this contract.
 2. It shall be the responsibility/requirement of each Prime Contract to bring their waste to the dumpsters, including but not limited to all equipment, demolition debris, discarded materials with further identification including the following; construction and demolition debris refers to discarded materials generally considered non-hazardous in nature, including but not limited to steel, glass, brick, concrete, asphalt material, pipe, gypsum wallboard, and lumber, from the construction or destruction of a structure as part of a construction or demolition project or from the renovation of a structure, including such debris from construction of structures at a site remote from the construction or demolition project site.
 3. It shall be the responsibility and requirement of each Prime Contract to recycle metals generated by its Work, and the Work of its subcontracts.
 4. Joint-effort recycling by all Prime Contracts is encouraged.
- M. Temporary Sanitary Facilities: Provide temporary self-contained toilets units for duration of the project.
 - a. Temporary Sanitary Facilities:
 - 1) Each prime contractor is required to provide their own Temporary Sanitary Facilities and secured behind fencing and/or locked after work hours and weekends.
 - b. Comply with regulations and health codes for type, number, location, operation, and maintenance of fixtures and facilities.
 - c. Provide separate facilities (minimum of one ea.) for male and female personnel in proportion required by OSHA.
 - d. Shield toilets to ensure privacy.

- e. Coordinate mobilization and demobilization of units with Construction Manager.
- f. Toilets shall be cleaned at least once per week, with additional facilities or cleanings provided if requested by Construction Manager.
- g. Provide and maintain adequate supply of toilet tissue and hand sanitizer for each facility.

1.9 WORK HOURS & SEQUENCE

- A. **All work related to this project will be performed during the summer months of 2022 and 2023 from June 27th – August 26th.** With district approval, work is allowed to be performed from 7:00am to 10:00pm. There is no additional cost to the owner for working the hours of 3:30pm through 10:00pm, or weekend work during the school year. **Any work done during the school year MUST BE COMPLETED, CLEANED, AND TESTED AS NECESSARY FOR STUDENT/STAFF OCCUPANCY BEFORE THE START OF THE NEXT SCHOOL DAY. Contractors are required to schedule work during school breaks, school days off, and school holidays.**
 - 1. **Kitchen Hoods Projects GC, PC, EC, MC Multiple Prime Contracts** - This work is to occur in the summer of 2022 and 2023. With district approval, work may continue in this contract when school is in session during the hours of 3:30pm to 10:00pm on weekdays and Saturdays and Sundays from 7:00am to 3:30pm. During School breaks, work is to be performed from 7:00am to 10:00pm. There is no additional cost to the owner for working the hours of 3:30pm through 10:00pm, or weekend work during the school year.
- B. Summer work starts June 27th and occurs through August 26th for 2022. The summer working hours are from 7:00am to 10:00pm. There is no additional cost to the owner for working the hours of 3:30pm through 10:00pm or on weekends and holidays during the summer in order to meet schedule.
- C. Contractors are required to start working upon receipt of the Notice to Proceed. Contracts are to follow within 30 days of the Notice to Proceed. Contractors are required to coordinate and perform work simultaneously with other Contractors. Contractors are required to complete their contract work by the designated Substantial Completion and Final Completion end dates as indicated on the Invitation to Bid.
- D. Mandatory clean up period - From August 29, 2022, to September 2, 2022, contractors shall clean up all interior and exterior areas.
- E. Contractors are required per contract to fully staff the project during the work shifts stated above with the required manpower to complete their work within the allowed scheduled time frame. Contractors are required to provide a 72-hour advanced request to the Owner via the Construction Manager for any Saturday and Sunday work. If a project schedule delay has been caused by the fault of the contractor, the contractor is

required to provide 3rd shift work from 9pm to 6am to make up the project schedule. All costs for CM, Architect and district personal related to this 3rd shift request will be charged to the contractor at a combined rate for all at \$3,000 per 8hr shift.

- F. The shifts noted above are not considered overtime or premium time hours.
- G. Additional requirements:
 - 1. Multiple Crews: Each Prime Contract shall provide multiple crews, supervision, cranes, scaffold and other means necessary to perform the Work, and maintain the Project Master Schedules.
 - 2. Interruption of any utility and/or power must be coordinated with the Owner, via the Construction Manager.
 - 3. Any and all overtime, weekend and/or holiday work required to meet the Project Master Schedules shall be incorporated in the respective Prime Contract's bid.
 - 4. Should a Contractor's progress fall behind, as to schedule, Prime Contractor shall employ additional – 3rd shift and/or overtime and/or weekend workforce until situation is rectified, to the satisfaction of the Architect and Construction Manager, at no additional cost to the Owner, however subject to charges as stated in section 1.9 E for lack of maintaining schedule.
 - 5. Should a Prime Contract feel another Prime Contract is delaying them sufficient time to complete their installations, per the schedule, the Architect and Construction Manager shall be notified in writing immediately of the situation (refer to Conditions of the Contract for protocol). A Prime Contract creating such a delay, that causes a proven burden upon another Prime Contract to maintain schedule, shall bear all costs incurred by the delayed Prime Contract to maintain the schedule.
 - 6. The Architect and Construction Manager shall not be overburdened as to overtime cost, to monitor the work, due to no cause of his or her own. Owner will compensate the Architect and Construction Manager for all additional cost related to the issue of a Prime Contractor's failing to execute the Contract by fully staffing per the work hours and days noted herein. The Owner reserves the right to back charge the responsible Prime Contract for these fees if incurred.
 - 7. All Asbestos and/or Lead Abatement shall take place to meet the requirements of the Milestone Phasing Schedule and Project Master Schedules and shall be coordinated with the other Prime Contractors prior to commencement.
- H. The Work shall be conducted to provide the least possible interference to the activities of the Owner's personnel and the surrounding property owners (neighbors).
 - 1. Prime Contracts are hereby notified that: All Prime Contractors and their subcontractors shall limit excessive noise during 2nd shift known as work extending to 10PM weekdays upon approval by owner and city work hour restrictions. These operations shall not create a disturbance to neighboring properties.

- I. Construction access to the site shall be limited to personnel, equipment and deliveries by suppliers relative to the Work of Prime Contractors and their subcontractors. Prime Contracts shall keep the Construction Manager advised of persons accessing the site and shall seek assistance with coordinating parking and storage facility locations for all Prime Contracts.
 1. Where applicable, Contractors shall provide Building Site perimeter barricades as described herein the project and all temporary exit doors/lockable gates on the Project, securing these doors, fencing and/or gates at the end of each work shift.
 2. When a Prime Contract engages in overtime, weekend or 2nd shift work, during the summer months and or during the normal school year, the respective Prime Contract shall notify Construction Manager of such and be responsible for securing the Project Site at the end of that work shift and perform site walk around the outside of construction area/work zone ensuring all debris is pickup up and there are no construction related hazards of any kind present once the responsible person leaves the site for the evening or weekend. This includes that all materials and equipment are fenced in and keys are removed. All interior projects have the same requirement to ensure that outside the work zone is clean from dust-dirt and that no materials are left outside the work area at any time.

1.10 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.11 DRAWINGS AND SPECIFICATIONS

- A. Construction Documents indicate the sum total of the Contract that make up the complete work for the Project. Through this Section "Summary of Work", the intent of the Contractor's scope of Work and responsibility is generally described. Related requirements and conditions that are indicated in the Contract Documents include but are not limited to the following:
 1. General Conditions and Requirements.
 2. Referenced and applicable Codes, Regulations and Standards.
 3. Scheduling and phasing requirements.
 4. Existing conditions and restrictions on use of the site and facilities.
- B. Drawings and Specifications are cooperative and supplementary. Portions of the Work, which can best be illustrated by Drawings, are not included in the Specifications and portions best described by Specifications are not depicted on Drawings.

1. All items necessary to complete the work shall be furnished whether written or illustrated.
2. All primes shall exercise good judgment and perform all work according to related industry standards.

PART 2 - SCOPE OF WORK

2.1 PRIME CONTRACTS

- A. Scope of Work: Work includes but is not limited to, the following:
 1. Provide all work identified in the Contract Documents.
 2. All Specification Sections provided.
 3. All abatement drawings provided for reference.

PART 3 - EXECUTION

3.1 WORK SEQUENCE

- A. The Work shall be conducted to provide the least possible interference to the activities of the Owner's personnel, per the Project Phasing Schedule.
- B. Work required during overtime, extended shifts, or holidays due to failure of contractor to maintain schedule, will be monitored by Architect/Construction Site representative, and may be monitored by Owners' personnel. Additional costs for Architect/Construction Site Representative and/or Owner personnel will be borne by the Contractor.
- C. Coordination of any utility and power interruption must be done with approval of the Architect/Construction Site Representative. Shutdowns must occur during non-occupied timeframes only.
- D. Construction access to the site shall be limited to those designated for personnel, equipment and deliveries by the Owner. All contractor staging, parking and storage shall be coordinated with the Construction Site Representative and subject to change.
- E. Payments: Each bid that covers more than one school (i.e., one SED project) shall provide completed AIA G702 & G703 by building (for each SED project).
- F. No work shall be installed without approved shop drawings. Any work in place without approved shop drawings will be rejected and removed by that contractor at their expense and backed charge all other costs related to.
- G. Any work deemed by CM, Architect and District not properly installed by a contractor per the contract drawings and specifications shall be removed immediately and corrected, with all associated costs to be borne solely by that contractor.
- H. All prime contractors shall coordinate their contract work with other primes to meet the project schedule and for a complete operational system or area or work.

- I. All contractors are to provide within 3 weeks of award a "base line" construction schedule for their work from commencement to completion including all phasing. This schedule is to be updated monthly to show percentage progress of each item listed. This schedule shall be revised to provide a recovery schedule in the event of a delay for any reason. The recovery schedule shall include the "base line" item and the recovery to show how the delay is affecting the overall project schedule. This schedule is to be provided in MS Project or Primavera. Excel schedules are not accepted.
- J. Prime contractor "base line" schedules are to be reviewed by each prime contractor and coordinated where work is related and that each prime's work shall be included in each "base line" contractor's schedule as necessary for coordination.
- K. All contractors are to provide 2-week look ahead schedules showing work related to the base line and shall be coordinated with other prime 2-week look ahead schedules. These schedules will be Excel format. Format will be provided by the CM.
- L. Contractors to provide a full-time supervisor on site 100% of the time. This is not a working foreman. Supervisors are not working with tools they are supervising their workers and coordinating with other contractors and district/ CM. Failure to provide will be default of your contract and subject costs related to and termination.
- M. All prime contractors are to provide a project manpower structure showing names and telephone numbers of each responsible person on the project. This shall be updated as needed if personal changes are made.
- N. All site equipment and dumpsters are to be behind temporary chain link fence when stored on site and or within the construction work zone where temporary chain link fence has been providing and installed by the prime. Each prime contractor is responsible to provide and install temporary chain link fence around their own stored equipment and dumpsters on site.
- O. No equipment, panels or any services shall be turned off for any reason without written request and approval by the district. Project form shall be used for all shutdowns and required a 3-day notice. Other shutdowns may require more time.
- P. All Prime Contractor's work force is to sign-in and sign-out daily with the Construction Manager.

3.2 **CONTRACT NO. 01 (GC), GENERAL CONSTRUCTION PRIME CONTRACT WORK — EAST RAMAPO DISTRICT WIDE KITCHEN HOOD REPLACEMENTS.** (Applies to all prime contracts).

- A. Project Site Superintendent: GC shall provide one (1) full time Project Site Superintendent while any work related to this Contract is being performed on site. Superintendent may be a working Foreman as long as the daily requirements of this Contract are maintained, as they relate to the Construction Documents and the Project Schedule. Construction Manager reserves the right, in their opinion, to revoke this privilege if these requirements are not maintained. Superintendent shall work closely with the Construction Manager, and the other Prime Contract Superintendents and

Foremen, in a manner that best promotes the Project Master Schedules and the objectives of the Project.

1. Superintendent shall be on site while Prime Contractor's own forces, and/or their sub-contractors forces, are on site; also while other Prime Contracts are installing work, or require coordination of work, related to this Contract, and/or as requested by the Construction Manager.
 2. Superintendent shall be the same individual throughout the Project.
 3. Project Site Superintendent shall be an individual with minimum of five (5) years' experience in this field of work.
 4. Refer to Section 013100 "Project Management and Coordination" for further requirements.
- B. Project Foreman: GC shall provide at least one (1) full time Project Foreman during each shift of Work at each school; Foreman shall be able to make binding decisions, as they relate to the daily activities of their crew, as related to achieving the goals of the Project.
- C. Site Communications: GC shall provide Project Superintendent with a mobile phone, all costs and service charges paid for by GC; provide Construction Manager with contact number(s).
- D. Project Site Field Office: Provide site office facilities for this Contract's Project Superintendent. Site Office shall be equipped with telephone w/answering machine, fax, and e-mail. Contact information shall be provided to the Construction Manager.
1. The Owner reserves the right to seek reimbursement for temporary facilities not provided by this Prime Contract.
- E. Scope of Work: Work of the GC Contractor includes, but is not limited to, the following:
1. Coordination with other Prime Contracts, Owner and Construction Manager as required to adhere to and maintain approved Project Master Schedules. Prior to first payment, this includes developing and submitting the Project Master Schedule as indicated on the construction drawings.
 2. All demolition and new scope indicated in Contract Documents, including removal and legal disposal of debris off site. This includes demolition and installation of partition walls, CMU walls, window openings, overhead door installations, wall finishes including GWB and paint, and epoxy finishes.
 3. The GC will coordinate with MC and PC for roof openings and is responsible for temporary protection of roof and structural upgrades needed for MEP equipment.
 4. All necessary general construction scope to accommodate the work of others related to the completion of the general construction scope.
 5. All site concrete repair included in the base contract as indicated in Contract Documents.

6. The KE contractor will be responsible for furnishing and installing the kitchen equipment in coordination with the drawings, the other prime contractor's schedules, Architect and Construction Manager.
7. Each GC Prime Contractor shall provide and install adequate protection to adjacent areas of construction work.
Each Prime Contractor, including GC Prime shall conform to phasing and sequencing of site work as shown on phasing drawings. Any deviation shall be clearly indicated and defined in the bid proposal. See the preliminary milestone schedule. coordinated with the Construction Manager. See Milestone Schedule.
8. Work delineation between building and site is indicated on the Contract Drawings.
9. For work performed between June 27th, 2022 and August 26, 2022, GC Contractor shall do the following:
 - a. At the start of each work day, GC Contractor shall maintain access to the building at all times. Coordinate with Construction Manager for any changes to building access due to site work.
10. For work performed during all periods, Each Prime Contractor shall do the following:
 - a. Maintain clear and debris free access to the building. Remove any tripping hazards.
11. Prime Contract shall understand that General Contract Work may require work to proceed while school will be session; all cost associated with this sequence shall be incorporated into the Bid.
12. Environmental Protection: Provide protection, and conduct construction in ways and by methods that comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
 - a. Restrict use of noisemaking tools and equipment to hours that will minimize complaints from persons or firms on or near the Project site.
13. Provide dust control while the Work of this Contract is being performed. Limit situations that may create dust contamination while Work of this Contract is idle. Provide all demolition as indicated in the Construction Documents, or required for Work of this Prime Contract:
 - a. Coordinate all demolition with Hazardous Materials documents. Coordinate with all other Prime Contracts regarding removals required for the Project. Demolition of a system shall mean any and all components removed in their entirety, to the point of origin, source or substrate
14. Provide cut and patch work related to that of this Prime Contract, and at those areas specifically identified in the Construction Documents, regardless of trade creating the area to be patched
 - a. Each Prime Contract is responsible for all other respective cutting and patching required of their installations (refer to Section 01 73 29 for further information).

15. Provide all miscellaneous supports for items or equipment installed under this Prime Contract, and as coordinated with other Prime Contracts for metal strapping and/or wood blocking for installation of EC and PC Work related to site work.
16. Final connection of utilities to equipment provided by this Prime Contract, are by EC, MC and/or PC, unless noted or assigned otherwise.
17. Mechanical roof curbs are to be furnished by MC and installed by GC including all associated roof work and flashings.
18. GC Contractor shall coordinate with general work MEP and shall provide all necessary work required to complete the MEP general contract work.
19. Substantial Completion: Clean all GC Contractor installations and provided equipment at the time of Substantial Completion or as directed by Construction Manager.
20. Refer to Division 00 Section "Project Forms" and make use of these forms for the installation and coordination of the Work. These forms are included to assist this Prime Contract with coordinating the installation of Work by others prior to enclosing and/or finishing work. Owner will not compensate Prime Contract for work not properly coordinated that result in added work, or removal of work. Secure the proper signatures or acknowledgements, as indicated, prior to installing/completing the Work.
21. Coordinate all the preceding requirements, accordingly, with all applicable Alternates indicated in Section 012300 "Alternates".
22. Submission of all required closeout documentation and final application for payment no later than October 31, 2022.

Applicable Specification Sections: All specification Sections itemized below are to be provided complete by this Prime Contract, unless noted otherwise. In addition to these specifications, the contractor is required to review all specifications included in the overall contract that may contain related scope or detail for this specific contract.

1. All Division 00 and 01 – Procurement and Contracting Requirements & General Requirements.
2. Division 02 – Existing Conditions
3. Division 03 – Concrete
4. Division 04 – Masonry
5. Division 05 – Metals
6. Division 06 – Wood, Plastics and Composites
7. Division 07 – Thermal and Moisture Protection
8. Division 08 – Openings
9. Division 09 – Finishes
10. Division 10 – Specialties
11. Division 11 – Equipment
12. Division 12 – Furnishings

- 13. Division 31 – Earthwork
- 14. Division 32 – Exterior Improvements

- A. Supplemental Temporary Facilities and Controls by SW Contractor include, but are not limited to:
 - 1. Waste Disposal Facilities: See Subparagraph 1.8.L of this Section
 - 2. Snow and Ice Removal: Provide removal of snow and ice until Substantial Completion of the Project, or as required to avoid delays in the Schedule.
 - a. Removal includes temporary roadways, Owner provided contractor parking areas, staging areas, remote staging areas, sidewalks, exterior temporary ramps and stairs within the construction and staging area.
 - b. Removal shall include open areas of the Project building that is under construction, including, but not limited to: SOG, SOD and roof deck areas.
 - 3. Temporary Barricades: Provide, maintain and eventually remove all temporary barricades per OSHA Regulations, Industry Standards, or as indicated in the Construction Documents. These include, but are not limited to, the following areas:
 - a. To isolate site renovation areas.
 - 4. Temporary Sanitary Facilities: See Subparagraph 1.8.M of this Section.
 - 5. Provide all shoring required for Work of this Prime Contract, including but not limited to;
 - a. Cutting or altering of existing construction.
 - b. Provide protection of all new and existing surfaces during the Work. Do not stand, walk, or work off of any unprotected finished surface above the floor.
 - 6. Maintain temporary chain link fencing with driven posts in the ground and Yodock or approved equal barricading to keep unauthorized persons away from excavations and hazardous areas for which this Prime Contract is responsible.
 - 7. Traffic Controls: Provide flagman while any operations of this Prime Contract interfere with traffic flow on adjacent roadways, active parking lots and while any pedestrian traffic is entering the area or parking lots.
 - 8. See Specification 013150 Safety & Health for further detailed information.

3.3 **CONTRACT NO. 02 ELECTRICAL WORK (EC) – ELECTRICAL PRIME CONTRACT AT EAST RAMAPO CENTRAL SCHOOL DISTRICT – DISTRICT WIDE KITCHEN HOOD REPLACEMENTS**

- A. Project Site Superintendent: EC shall provide one (1) full time Project Site Superintendent while any work related to this Contract is being performed on site. Superintendent may be a working Foreman as long as the daily requirements of this Contract are maintained, as they relate to the Construction Documents and the Project Schedule. Construction Manager reserves the right, in their opinion, to revoke this privilege if these requirements are not maintained. Superintendent shall work closely with the Construction Manager, and the other Prime Contract Superintendent(s), in a

manner that best promotes the Master Construction Schedule and the objectives of the Project.

1. Superintendent shall be on site while Prime Contractor's own forces, and/or their sub-contractors' forces, are on site; also, while other Prime Contracts are installing work, or require coordination of work, related to this Prime Contract, and/or as requested by the Construction Manager.
 2. Superintendent shall be the same individual throughout the Project.
 3. Refer to Section 01 31 00 "Project Management and Coordination" for further requirements.
- B. Project Foreman: EC shall provide at least one (1) full time Project Foreman during each shift of work for each school; Foreman shall be able to make binding decisions, as they relate to the daily activities of their crew as related to achieving the goals of the Project.
- C. Site Communications: EC shall provide Project Superintendent with a mobile phone, all costs and service charges paid for by EC; provide Construction Manager with contact number(s).
- D. Project Site Field Office: Provide site office facilities for this Contract's Project Superintendent. Site Office shall be equipped with telephone w/answering machine, fax, and e-mail. Contact information shall be provided to the Construction Manager.
1. The Owner reserves the right to seek reimbursement for temporary facilities not provided by this Prime Contract.
- E. Scope of Work: In addition to Divisions 26, 27 and 28, Work of the EC includes but is not limited to, the following:
1. Coordination with other Prime Contracts, Owner and Construction Manager as required to adhere to and maintain approved Project Master Schedules. Prior to first payment, this includes submitting the Contractor's Construction Schedule to Construction Manager of the Project Master Schedule.
 2. Electrical scope is identified on the Contract Documents for removal, installation and replacement of all electrical interior and exterior components shown on the Contract Documents for all schools. Including but not limited to coordination and installation of exterior lighting, conduits, panels, and switchgear. Provide all removals of existing Electrical Devices, Fixtures & Systems indicated, or required, for Work of this Prime Contract.
 - a. Coordinate all removals with Hazardous Materials documents.
 3. This contract includes furnishing access doors for walls and ceiling as required, which may include fire rated conditions, and coordinate with General Contractor (GC) for installation.
 4. Provide all reinstallation of existing Electrical Devices, Fixtures & Systems, replacement or new Electrical Devices, Fixtures & Systems associated with Roof Repairs, Roof Replacement, Façade Restoration, Site, interior and exterior work.

5. EC shall conform to phasing and sequencing of roof repairs, roof replacement, façade repairs and site work as coordinated with the Owner. See Milestone Schedule for all work as shown on the phasing plans.
6. The Electrical Contractor shall review the Contract Documents in its entirety for complete electrical scope of work in this contract.
 - a. EC shall install work in accordance with the National Electrical Code requirements. No additional compensation will be made for extra offsets in conduit or retro-fit work due to improper component location, or lack of Prime Contractor's coordination.
7. Prime Contract shall understand that renovation work may require work to proceed while existing systems are required to be maintained; all cost associated with this sequence shall be anticipated, and incorporated into the Bid.
8. Prime Contractor shall read and familiarized themselves with the Lead Sections of the Construction Documents. Lead-based paint has been identified to exist on specific areas/surfaces of the work located within the building(s), and when encountered the Prime Contractor shall follow all applicable regulations while working with this material.
9. Prime Contractor shall read and familiarized themselves with the Asbestos Sections of the Construction Documents. Asbestos Containing Material is scheduled to be abated throughout specific areas of the building(s). Should ACM be encountered (after Abatement is completed), that may interfere with an installation; Prime Contractor shall cease work, and notify Construction Manager immediately.
 - a. Penetrations not coordinated with GC, prior to abatement of these spaces, shall become the responsibility of the respective Prime Contract requiring the penetration.
10. EC shall provide all Work associated with creating structural openings or penetrations requiring lintels whether for their own work (i.e. conduit penetrations). This applies to all openings/penetrations greater than 5-inches through masonry or concrete walls.
 - a. Non-structural openings/penetrations, including those for convenience, shall be self-provided by the EC.
 - b. This assignment applies to new and existing construction areas.
 - c. Refer to Structural documents for lintel type/size requirements and Architectural drawings for wall types. Walls not specifically identified in the documents are to be assumed as masonry construction.
 - d. All openings/penetrations are to be identified on Record Drawings by the Prime Contract requiring the opening.
11. Provide cut and patch work related to that of this Prime Contract, related to that of their Prime Contract, and at those areas specifically identified on the Construction Documents, regardless of trade creating the area to be patched.

- a. Each Prime Contract is responsible for all other respective Cutting & Patching required of their installations (refer to Section 017329 for further information).
12. Provide complete electrical requirements, materials and methods including, but not limited to:
 - a. Service and distribution including bus-way, switchgear, panel boards, and disconnect switches.
 - b. Provide grounding protection for all circuits and outlets and as required by applicable codes and authorities having jurisdiction. Properly ground building equipment provided by this project.
 - c. Coordinate any electrical switchover as to least impact the Project Schedule. This scope is considered "critical path" and is required to be addressed submitted and shop drawing submitted within 2 weeks upon BoE approval.
 - d. Provide all power, controls, and standby generator requirements for temporary power that might be required during the renovation upgrade for all other prime contractors working during the shutdown.
 - e. Immediately after installation, provide and maintain temporary ID of all circuit breakers and at all shut offs/disconnects until permanent ID is in place.
 - f. Exterior lighting and lighting control equipment; provide occupancy sensors and/or timing devices as indicated.
 - g. Provide raceways, boxes, cabinets and sleeves through existing and new construction as part of the complete electrical installation.
 - h. Provide wire, cable, conduit, boxes, and wiring devices as part of the complete electrical installation.
 - i. Provide permanent electrical identification. Provide type written panel board schedules. Clearly label all panel boards, disconnects, relays, junction boxes, and other electrical devices and equipment.
13. Final connections of utilities are by EC unless noted or assigned otherwise.
14. Final connection of installations or equipment that are provided by others including but not limited to plumbing & mechanical.
 - a. Provide final connections to all scheduled equipment furnished by the Owner.
15. Provide Fire Alarm system as indicated in the Construction Documents.
 - a. EC shall provide Fire Alarm and/ or coordinate as indicated on drawings.
16. Coordinate with Owner and provide confirmation to Construction Manager of low voltage systems, including but not limited to telephone, building access, security, PA/intercom, data and CCTV systems, as indicated in the Construction Documents.
 - a. EC shall confirm full operational status of existing low voltage systems following reinstallation of existing devices. Replace and commission all devices and components damaged by construction work.

- b. Provide all components, and their installations required for a complete system.
 - c. Provide, terminate, test, and label all point-to-point field wiring.
 - d. Provide all associated power circuits and requirements that support these systems, including but not limited to, final connections.
 - 17. Provide sleeves required for piping penetrating walls, slabs and/or decks.
 - 18. Provide through-penetration fire stop systems at all penetrations made by EC. Maintain listed ratings of indicated assemblies. Provide repair of existing through-penetration fire stopping damaged by work of this Prime Contract.
 - a. Sleeves with fire stopping are to be installed in sequence with fire-rated construction. This Prime Contract shall be responsible for installing fire stopping material at intersection of sleeve and constructed materials.
 - 19. Provide all testing and adjusting, instruction and guarantees for materials and equipment of this Prime Contract. Refer to Division 00 Section "Project Forms" for applicable documents.
 - a. Substantial Completion: Clean all light fixtures and electrical equipment at the time of installation or at Substantial Completion, whichever is later, or as directed by Construction Manager.
 - 20. Coordinate all the preceding requirements, accordingly, with all applicable Alternates indicated in Section 012300 "Alternates."
 - 21. Submission of all required closeout documentation and final application for payment no later than August 26, 2022.
- F. Applicable Specification Sections: All specification Sections itemized below are to be provided complete by this Prime Contract, unless noted otherwise. In addition to these specifications, the contractor is required to review all specifications included in the overall contract that may contain related scope or detail for this specific contract.
- 1. Divisions 00 and 01 – Procurement and Contracting Requirements & General Requirements.
 - 2. Division 26 – Electrical
- G. Supplemental Temporary Facilities and Controls by the EC include, but are not limited to:
- 1. Waste Disposal Facilities: See Subparagraph 1.8.L of this Section.
 - 2. n. Temporary Interior Barricades: Provide, maintain and eventually remove all temporary barricades per OSHA Regulations, Industry Standards, or as indicated in the Construction Documents. These include, but are not limited to, the following areas:
 - a. Roof openings/penetrations.
 - b. To isolate Abatement areas.
 - c. To isolate renovation areas.
 - d. Floor openings/penetrations, including stairwells.

- 1) Horizontal Openings: close openings in floors, roof decks, and horizontal surfaces with load bearing, wood and/or steel framed construction per applicable regulations.
3. Temporary Doors, Frames & Wall Assemblies: Provide, maintain and eventually remove all temporary installations where required per OSHA Regulations, Industry Standards, or as indicated in the Construction Documents. Provide fire rated assemblies as required. Provide exit (panic bar/crash bar) devices at locations of egress. Coordinate locations with Construction Exiting Plan, Sequencing/Phasing Plans, and the Construction Manager. Temporary doors shall be constructed using 1/2' plywood and 2x construction, equipped with hasps, locks, handle and latch mechanism, and spring or counter weight installed to allow door to close after opening. Permanent doors will not be used in temporary conditions.
4. Temporary Heat: The existing heating system and ventilation system in the building area are not to be used for temporary heat or ventilation in construction areas. The contractor for General Construction must provide temporary heat in construction in construction areas. Provide submittal for temporary heat strategy that states what equipment will be used and where fuel will be stored. Fuel source cannot be located in the building. Heaters with self-contained fuel sources are not allowed to be placed in the building.
5. Temporary Window Openings: Window openings shall be enclosed using 2x construction, 1/2' plywood, and reinforced polyethylene. Where window opening start at or near the floor, plywood shall be installed from finish floor to minimum of 42" AFF; reinforced poly may be installed from this point up. Should contractor choose to install plywood across the entire opening, sufficient area will be installed with reinforced poly to allow emergency escape, if required, and to allow natural light into the work area.
 - a. Installation shall be insulated if temporary heat or cooling is being employed.
6. Temporary Exterior Wall Enclosure: Provide and maintain temporary enclosures for weather protection and security of the construction in progress, where needed, up until completion of permanent installation specified. Enclosures shall protect the building from exposure, foul weather, other construction operations, and similar activities. Provide temporary weather tight enclosure for building exterior.
 - a. Where heating and cooling is needed and permanent enclosure is not complete, provide insulated temporary enclosures. Coordinate enclosure with venting and material drying or curing requirements to avoid dangerous conditions and effects.
 - b. Install tarpaulins securely; install fire retardant materials only.
 - c. Where temporary wood enclosures exceed 100 sq. ft. in area, use fire retardant treated materials for framing and sheathing.
 - d. All cost incurred to repair and/or replace materials damaged, due to the failure of EC to provide and maintain weather tight enclosure shall be borne by this Prime Contract. This includes any contamination of materials that may lead to the introduction of mold and mildew.

- e. Immediately notify the Construction Manager, in writing, as to damage to temporary enclosures by "others"; identify responsible party in the submission. Owner shall not be liable for damages caused by "others" if Prime Contract cannot identify responsible party.
- 7. Temporary Sanitary Facilities: See Subparagraph 1.8.M of this Section.
- 8. Existing Stair Usage: Use of Owner's existing stairs in unoccupied areas will be permitted, provided that at Substantial Completion, stairs are restored to conditions existing before initial use.
 - a. Provide photo documentation of existing stair conditions prior to use by all Prime Contracts. Document during use, and at completion of the Renovation Project in order to document any and all damage to the Owner's property.
 - b. Provide protective coverings, barriers, devices, signs, or other procedures to protect stairs and to maintain means of egress. If, despite such protection, stairs become damaged, restore damaged areas so no evidence remains of correction work.
- 9. Provide all shoring required for Work of this Prime Contract, including but not limited to;
 - a. Cutting or altering of existing construction.
 - b. Provide protection of all new and existing surfaces during the Work. Do not stand, walk, or work off of any unprotected finished surface above the floor.
- 10. Maintain temporary fencing and barricading to keep unauthorized persons away from hazardous areas for which this Prime Contract is responsible.
- 11. Traffic Controls: Provide flagman while any operations of this Prime Contract interfere with traffic flow on adjacent roadways.

3.4 **CONTRACT NO. 03 – MECHANICAL WORK (MC) – MECHANICAL PRIME CONTRACT AT EAST RAMAPO CENTRAL SCHOOL DISTRICT – DISTRICT WIDE KITCHEN HOOD REPLACEMENTS**

- A. Project Site Superintendent: MC shall provide one (1) full time Project Site Superintendent while any work related to this Contract is being performed on site. Superintendent may be a working Foreman as long as the daily requirements of this Contract are maintained, as they relate to the Construction Documents and the Project Schedule. Construction Manager reserves the right, in their opinion, to revoke this privilege if these requirements are not maintained. Superintendent shall work closely with the Construction Manager, and the other Prime Contract Superintendents and Foremen, in a manner that best promotes the Project Master Schedules and the objectives of the Project.
 - 1. Superintendent shall be on site while Prime Contractor's own forces, and/or their sub-contractors forces, are on site; also while other Prime Contracts are installing work, or require coordination of work, related to this Contract, and/or as requested by the Construction Manager.
 - 2. Superintendent shall be the same individual throughout the Project.

3. Project Site Superintendent shall be an individual with minimum of five (5) years' experience in this field of work.
 4. Refer to Section 013100 "Project Management and Coordination" for further requirements.
- B. Project Foreman: MC shall provide at least one (1) full time Project Foreman during each shift of work at each school; Foreman shall be able to make binding decisions, as they relate to the daily activities of their crew, as related to achieving the goals of the Project.
- C. Site Communications: MC shall provide Project Superintendent with a mobile phone, all costs and service charges paid for by MC; provide Construction Manager with contact number(s).
- D. Project Site Field Office: Provide site office facilities for this Contract's Project Superintendent. Site Office shall be equipped with telephone w/answering machine, fax, and e-mail. Contact information shall be provided to the Construction Manager.
1. The Owner reserves the right to seek reimbursement for temporary facilities not provided by this Prime Contract.
- E. Scope of Work: In addition to Divisions 22 & 23, Work of the MC includes but is not limited to, the following:
1. Coordination with other Prime Contracts, Owner and Construction Manager as required to adhere to and maintain approved Project Master Schedules. Prior to first payment, this includes submitting the Contractor's Construction Schedule to the Lead Contractors for preparation of the Project Master Schedules for Roofing Repairs, Roof Replacement, Façade Restoration and Site Work.
 2. All Mechanical demolition and new construction as indicated in the Contract Documents.
 3. All housekeeping pads for mechanical equipment shall be furnish and installed by this prime contract.
 4. Mechanical scope is identified in the Contract Documents which include but is not limited to ALL drawings, specifications, this multiple contract summary, etc. This contract includes furnishing access doors for walls and ceiling as required, which may include fire rated conditions, and coordinate with Interior Contractor (IC) for installation.
 5. This contract includes furnishing access doors for walls and ceiling as required, which may include fire rated conditions, and coordinate with General Contractor (GC) for installation.
 6. Prior to the submission of shop drawings for mechanical curbs, survey all existing curbs for accurate measurements. Determination of new curb height shall be made in coordination with Contract Documentation.
 7. Prior to removal, survey condition of all existing roof top mechanical equipment scheduled to be removed and reinstalled and submit a report of the condition of

- each piece of existing equipment. Report shall include photographs and a location plan, and be submitted to the Architect and Construction Manager.
8. Removal, safe storage off roof (or outside of work area, as coordinated with BE Contractor), and reinstallation of all existing mechanical roof top equipment as indicated in the Contract Documents. Demolish existing curbs (following asbestos abatement by others) and provide and install new equipment curbs.
 9. Reinstallation mechanical scope includes all miscellaneous piping, ductwork extension, low voltage wiring, equipment, hardware and insulation required for a complete and functional reinstallation of existing rooftop equipment, water heater replacement, gravity vent and make up air, exhaust fan installation and coordination, kitchen hood and associated equipment. Coordinate any new roof penetrations, if required, with GC Contractor.
 10. Reinstallation mechanical scope includes start-up, testing & balancing and recommissioning services for reinstalled mechanical equipment. Submit testing & balancing and commissioning reports to Architect and Construction Manager.
 11. Prime Contract shall understand that renovation work may require work to proceed while existing systems are required to be maintained; all cost associated with this sequence shall be anticipated, and incorporated into the Bid.
 - a. MC shall be cognizant of phasing and sequencing conditions, that may require MC to make temporary connections or installations of heating system components, in order to maintain operation of existing/new system configuration(s). It shall be the Prime Contract's responsibility to employ its own means and methods of accomplishing any such temporary conditions, at no additional cost to the owner.
 - b. All new heating system components must be protected, from potential contamination, by any existing components that are still employed during system operation, should a partial existing/new configuration exist during the required heating period, September 15th – May 31st.
 12. Prime Contractor shall read and familiarized themselves with the Lead Sections of the Construction Documents. Lead-based paint has been identified to exist on specific areas/surfaces of the work located within the building(s), and when encountered the Prime Contractor shall follow all applicable regulations while working with this material.
 13. Prime Contractor shall read and familiarized themselves with the Asbestos Sections of the Construction Documents. Asbestos Containing Material is scheduled to be abated throughout specific areas of the building(s). Should ACM be encountered (after Abatement is completed), that may interfere with an installation; Prime Contractor shall cease work, and notify Construction Manager immediately.
 - a. Penetrations not coordinated with the Prime Contractor responsible for asbestos abatement, prior to abatement of these spaces, shall become the responsibility of the respective Prime Contract requiring the penetration.

14. Environmental Protection: Provide protection, and conduct construction in ways and by methods that comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
 - a. Restrict use of noisemaking tools and equipment to hours that will minimize complaints from persons or firms on or near the Project site.
15. The HVAC are schematic in nature, and the MC will make adequate provisions to accommodate the actual field conditions without additional cost to the Owner.
16. Document on the Record Drawings all ductwork openings and penetrations larger than 2 inches in diameter.
17. Provide all demolition of Mechanical Systems indicated in the Construction Documents, and/or required for Work of this Prime Contract.
 - a. Coordinate all demolition with Hazardous Materials documents.
 - b. Coordinate with all other Prime Contracts regarding all removals required for the Project.
 - c. Demolition of a system shall mean any and all components, removed in their entirety, to the point of origin or source.
18. Provide valves, whether permanent or temporary, to permit shutoff and/or capping of systems to achieve the Work of this Prime Contract.
19. Each Prime Contract shall be responsible for all respective SOG/SOD removals, and related infill thereof (doweled with #4 bar 16" o.c. unless otherwise detailed), that are not indicated on the Architectural Demolition plans.
 - a. All concrete/masonry demolition shall be completed using wet saw methods.
20. MC Contractor shall provide all Work associated with creating penetrations whether (i.e. ductwork and pipe or conduit penetrations). This applies to all openings/penetrations less than 5-inches through masonry or concrete walls.
 - a. MC shall indicate all required openings/penetrations requiring lintels on their Shop Drawings. Mechanical contractor is required to provide openings/penetrations on the coordination drawings that will require structural openings in accordance with the contract documents at no additional cost. Non-structural openings/penetrations, including those for convenience, shall be self-provided by the respective Prime Contractor.
 - b. This assignment applies to new and existing construction areas.
 - c. Refer to Structural documents for lintel type/size requirements and Architectural drawings for wall types. Walls not specifically identified in the documents are to be assumed as masonry construction.
 - d. All openings/penetrations are to be identified on Record Drawings by the Prime Contract requiring the opening.
 - e. All scheduled exterior wall louver openings indicated on Architectural and/or Structural documents are to be created by this MC Contractor. MC shall supply and install louver.
 - f. Exact physical locations shall be laid-out by MC for coordinated sequencing with other respective Prime Contractors.

21. Provide cut and patch work related to that of this Prime Contract,, related to that of their Prime Contract, and at those areas specifically identified on the Construction Documents, regardless of trade creating the area to be patched.
 - a. Each Prime Contract is responsible for all other respective Cutting & Patching required of their installations. Refer to Section 017329 "Cutting and Patching" for further information.
 - b. Provide cut and patch for all affected materials at building interiors as required to provide access for relocation of existing or installation of new roof drains and rood drain leaders, to point of connection to existing piping or to building exterior, as indicated in Contract Documents.
22. Provide new HVAC system(s), or modifications of existing system(s) as indicated in the Construction Documents, complete and fully operational.
 - a. Furnish all disconnects and motor starters (including related "heaters, fuses, and phase protection relays") for all equipment provided under this contract, for coordinated installation by EC.
 - b. Provide Instrumentation and Controls (Building Management System) complete as indicated on the drawings or specifications:
 - 1) Electrical Contractor shall provide line voltage power wiring to the control panels as indicated in the Contract Documents.
 - 2) BMS installer shall provide all low voltage wiring of controls, transformers, actuated dampers, motors, etc., as required for a complete operational system.
 - c. Provide thermal insulation of all HVAC components provided by this Prime Contract.
23. Final connections of utilities are by MC, EC or PC, unless noted or assigned otherwise.
24. Provide sleeves required for piping penetrating walls, slabs and/or decks.
25. Provide through-penetration fire stop systems at all penetrations made by MC. MC Contractor shall maintain listed ratings of indicated assemblies. Provide repair of existing through-penetration fire stopping damaged by work of this Prime Contract.
 - a. Sleeves with fire stopping are to be installed in sequence with fire-rated construction. This Prime Contract shall be responsible for installing fire stopping material at intersection of sleeve and constructed materials.
26. Provide coordination with, and notification to, the Construction Manager for all specified testing, training, commissioning, etc., of the Work of this Prime Contract. Refer to Division 00 Section "Project Forms" for applicable documentation documents.
27. Substantial Completion: Clean all mechanical and plumbing installations and provided equipment at the time of Substantial Completion or as directed by Construction Manager.
28. Coordinate all the preceding requirements, accordingly, with all applicable Alternates indicated in Section 012300 "Alternates".

29. Submission of all required closeout documentation and final application for payment no later than October 31, 2022.
 - F. Applicable Specification Sections: All specification Sections itemized below are to be provided complete by this Prime Contract, unless noted otherwise. In addition to these specifications, the contractor is required to review all specifications included in the overall contract that may contain related scope or detail for this specific contract.
 1. All Division 00 and 01 – Procurement and Contracting Requirements & General Requirements
 2. Division 03 – Concrete
 3. Division 05 - Metals
 4. Division 07 – Thermal and Moisture Protection
 5. Division 08 – Doors and Windows
 6. Division 09 – Finishes
 7. Division 22 – Plumbing
 8. Division 23 – HVAC
 9. Division 26 – Electrical
 - G. Supplemental Temporary Facilities and Controls by MC include, but are not limited to, the following:
 1. Waste Disposal Facilities: See Subparagraph 1.8L of this Section.
 2. Provide all shoring required for Work of this Contract, including but not limited to;
 - a. Cutting or altering of existing construction.
 - b. Provide protection of all new and existing surfaces during the Work. Do not stand, walk or work off of any unprotected finished surface above the floor.
 3. Maintain temporary fencing and barricading to keep unauthorized persons away from excavations and hazardous areas for which this Prime Contract is responsible.
 4. Traffic Controls: Provide flagman while any operation of this Prime Contract interferes with traffic flow on adjacent roadways.
- 3.5 **CONTRACT NO. 04 PLUMBING WORK (PC) — PLUMBING PRIME CONTRACT AT EAST RAMAPO CENTRAL SCHOOL DISTRICT – DISTRICT WIDE KITCHEN HOOD REPLACEMENTS**
- H. Project Site Superintendent: PC shall provide one (1) full time Project Site Superintendent while any work related to this Contract is being performed on site. Superintendent may be a working Foreman as long as the daily requirements of this Contract are maintained, as they relate to the Construction Documents and the Project Schedule. Construction Manager reserves the right, in their opinion, to revoke this privilege if these requirements are not maintained. Superintendent shall work closely with the Construction Manager, and the other Prime Contract Superintendents and Foremen, in a manner that best promotes the Project Master Schedules and the objectives of the Project.

1. Superintendent shall be on site while Prime Contractor's own forces, and/or their sub-contractors forces, are on site; also while other Prime Contracts are installing work, or require coordination of work, related to this Contract, and/or as requested by the Construction Manager.
 2. Superintendent shall be the same individual throughout the Project.
 3. Project Site Superintendent shall be an individual with minimum of five (5) years' experience in this field of work.
 4. Refer to Section 013100 "Project Management and Coordination" for further requirements.
- I. Project Foreman: PC shall provide at least one (1) full time Project Foreman during each shift of Work at each school; Foreman shall be able to make binding decisions, as they relate to the daily activities of their crew, as related to achieving the goals of the Project.
- J. Site Communications: PC shall provide Project Superintendent with a mobile phone, all costs and service charges paid for by PC; provide Construction Manager with contact number(s).
- K. Project Site Field Office: Provide site office facilities for this Contract's Project Superintendent. Site Office shall be equipped with telephone w/answering machine, fax, and e-mail. Contact information shall be provided to the Construction Manager.
1. The Owner reserves the right to seek reimbursement for temporary facilities not provided by this Prime Contract.
- L. Scope of Work: In addition to Divisions 22 & 23, Work of the PC includes but is not limited to, the following:
1. Coordination with other Prime Contracts, Owner and Construction Manager as required to adhere to and maintain approved Project Master Schedules. Prior to first payment, this includes submitting the Contractor's Construction Schedule to the Lead Contractors for preparation of the Project Master Schedules for all work related noted in the Contract Documents. All Plumbing demolition and new construction as indicated in the Contract Documents.
 2. All Plumbing scope is identified on the drawings as noted on the Contract Documents. Prior to the submission of shop drawings for work related to this contract and as shown on the Contract Documents.
 3. This contract includes furnishing access doors for walls and ceiling as required, which may include fire rated conditions, and coordinate with General Contractor (GC) for installation.
 4. There is work shown on the drawings for the utilities scope to be installed by this contractor during this phase.
 5. Removal, safe storage off roof (or outside of work area, as coordinated with GC), and reinstallation of all existing roof mounted piping as indicated in the Contract Documents. Seal all penetrations upon removal of piping to protect building from

weather. New supports for piping will be supplied by PC, coordinate with BE for installation of supports.

6. All new roof drains are to be coordinated with GC Contractor.
7. Temporary connection and disconnection of domestic water as required to facilitate asbestos abatement by others.
8. This contract includes the removal and furnishing and installation of new sprinkler heads as per the Contract Documents.
9. Prime Contract shall understand that renovation work may require work to proceed while existing systems are required to be maintained; all cost associated with this sequence shall be anticipated, and incorporated into the Bid.
 - a. PC shall be cognizant of phasing and sequencing conditions, that may require PC to make temporary connections or installations of plumbing components, in order to maintain operation of existing/new system configuration(s). It shall be the Prime Contract's responsibility to employ its own means and methods of accomplishing any such temporary conditions, at no additional cost to the owner.
10. Prime Contractor shall read and familiarized themselves with the Lead Sections of the Construction Documents. Lead-based paint has been identified to exist on specific areas/surfaces of the work located within the building(s), and when encountered the Prime Contractor shall follow all applicable regulations while working with this material.
11. Prime Contractor shall read and familiarized themselves with the Asbestos Sections of the Construction Documents. Asbestos Containing Material is scheduled to be abated throughout specific areas of the building(s). Should ACM be encountered (after Abatement is completed), that may interfere with an installation; Prime Contractor shall cease work, and notify Construction Manager immediately.
 - a. Penetrations not coordinated with the Prime Contractor responsible for asbestos abatement, prior to abatement of these spaces, shall become the responsibility of the respective Prime Contract requiring the penetration.
12. Environmental Protection: Provide protection, and conduct construction in ways and by methods that comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
 - a. Restrict use of noisemaking tools and equipment to hours that will minimize complaints from persons or firms on or near the Project site.
13. The Plumbing Drawings are schematic in nature, and the PC will make adequate provisions to accommodate the actual field conditions without additional cost to the Owner.
14. Document on the Record Drawings all openings and penetrations larger than 2 inches in diameter.
15. Provide all demolition of Plumbing Systems indicated in the Construction Documents, and/or required for Work of this Prime Contract.
 - a. Coordinate all demolition with Hazardous Materials documents.

- b. Coordinate with all other Prime Contracts regarding all removals required for the Project.
 - c. Demolition of a system shall mean any and all components, removed in their entirety, to the point of origin or source.
16. Provide valves, whether permanent, chlorination, or temporary, to permit shutoff and/or capping of systems to achieve the Work of this Prime Contract.
17. Each Prime Contract shall be responsible for all respective SOG/SOD removals, and related infill thereof (doweled with #4 bar 16" o.c. unless otherwise detailed), that are not indicated on the Architectural Demolition plans.
- a. All concrete/masonry demolition shall be completed using wet saw methods.
18. PC shall coordinate housekeeping pads for new equipment with GC.
19. PC shall provide all shop drawings and information of new equipment.
20. PC shall provide all Work associated with creating penetrations for their own work (i.e. pipe penetrations). This applies to all openings/penetrations less than 5-inches through masonry or concrete walls.
- a. MC, EC and PC shall indicate all required openings/penetrations requiring lintels on Coordination Drawings. Failure to note required openings/penetrations on the coordination drawings will require that the respective MC, EC and PC provide their own structural openings in accordance with the contract documents at no additional cost.
 - b. Non-structural openings/penetrations, including those for convenience, shall be self-provided by the respective MC, EC and PC.
 - c. This assignment applies to new and existing construction areas.
 - d. Refer to Structural documents for lintel type/size requirements and Architectural drawings for wall types. Walls not specifically identified in the documents are to be assumed as masonry construction.
 - e. All openings/penetrations are to be identified on Record Drawings by the Prime Contract requiring the opening.
 - f. Exact physical locations shall be laid-out by PC for coordinated sequencing with all other prime contracts.
21. Provide cut and patch work related to that of this Prime Contract,, related to that of their Prime Contract, and at those areas specifically identified on the Construction Documents, regardless of trade creating the area to be patched.
- a. Each Prime Contract is responsible for all other respective Cutting & Patching required of their installations. Refer to Section 017329 "Cutting and Patching" for further information.
 - b. Provide cut and patch for all affected materials at building interiors as required to provide access for relocation of existing or installation of new roof drains and roof drain leaders, to point of connection to existing piping or to building exterior, as indicated in Contract Documents.
22. Provide new Plumbing system(s), or modifications of existing system(s) as indicated in the Construction Documents, complete and fully operational. This includes CH&HW piping supply and return, plumbing fixtures demolition and install,

- installation and connections to kitchen equipment, grease interceptor scope, specialty fixtures, floor drain and waste piping, vent piping, and temporary cutting and capping of water and gas lines to facilitate the scope.
23. Final connections of utilities are by MC, EC or PC unless noted or assigned otherwise.
 24. All trenching for drain and sanitary lines including interior and exterior is the responsibility of the PC contractor. This includes back fill, concrete and or site restoration as required.
 25. Provide sleeves required for piping penetrating walls, slabs and/or decks.
 26. Provide through-penetration fire stop systems at all penetrations made by PC.. This Prime Contract shall maintain listed ratings of indicated assemblies. Provide repair of existing through-penetration fire stopping damaged by work of this Prime Contract.
 - a. Sleeves with fire stopping are to be installed in sequence with fire-rated construction. This Prime Contract shall be responsible for installing fire stopping material at intersection of sleeve and constructed materials.
 27. Provide coordination with, and notification to, the Construction Manager for all specified testing, training, commissioning, etc., of the Work of this Prime Contract. Refer to Division 00 Section "Project Forms" for applicable documentation documents.
 28. Substantial Completion: Clean all mechanical and plumbing installations and provided equipment at the time of Substantial Completion or as directed by Construction Manager.
 29. Coordinate all the preceding requirements, accordingly, with all applicable Alternates indicated in Section 012300 "Alternates".
 30. Submission of all required closeout documentation and final application for payment no later than October 31, 2022.
- M. Applicable Specification Sections: All specification Sections itemized below are to be provided complete by this Prime Contract, unless noted otherwise. In addition to these specifications, the contractor is required to review all specifications included in the overall contract that may contain related scope or detail for this specific contract.
1. All Division 00 and 01 – Procurement and Contracting Requirements & General Requirements
 2. Division 22 – Plumbing
 3. Division 23 – HVAC
 4. Division 26 – Electrical, as related to installations of this Prime Contract specifically identified herein
- N. Supplemental Temporary Facilities and Controls by PC include, but are not limited to, the following:
1. Waste Disposal Facilities: See Subparagraph 1.8.M of this Section.

2. Provide all shoring required for Work of this Contract, including but not limited to;
 - a. Cutting or altering of existing construction.
 - b. Provide protection of all new and existing surfaces during the Work. Do not stand, walk or work off of any unprotected finished surface above the floor.
3. Maintain temporary fencing and barricading to keep unauthorized persons away from excavations and hazardous areas for which this Prime Contract is responsible.
4. Traffic Controls: Provide flagman while any operations of this Prime Contract interfere with traffic flow on adjacent roadways.

3.6 **CONTRACT NO. 05 KITCHEN EQUIPMENT CONTRACT (KE) — KITCHEN EQUIPMENT PRIME CONTRACT AT EAST RAMAPO CENTRAL SCHOOL DISTRICT – DISTRICT WIDE KITCHEN HOOD REPLACEMENTS**

- A. Scope of Work: Work of the (KE) Kitchen Equipment contractor includes, but is not limited to, the following:
 1. Coordination with all other Prime Contracts, Owner, and Construction Manager as required to adhere to and maintain approved Project Master Schedules. Prior to first payment, this includes developing and submitting the Project Master Schedule for (KE) Kitchen Equipment order, delivery, and installation dates.
 2. Providing all Equipment noted construction drawings and related specification sections.
 3. (KE) Prime Contractor shall provide and install flooring protection as to not cause unwanted disturbance to Owner's existing flooring.
 4. (KE) Prime Contractor is to coordinate with all other Prime Contract's to provide information on anticipated order and delivery dates of Kitchen Equipment (KE). Prime Contractor is required to furnish per Construction Documents.
 5. (KE) Equipment Contract is responsible for testing and commissioning of newly provided and installed Kitchen Equipment. KE Prime Contractor is also responsible for the Owner's Training at each district location for all KE equipment installed.
 6. (KE) Contractor shall be responsible for storage of Kitchen Equipment procured and delivered ahead of installation.
- B. Supplemental Temporary Facilities and Controls by (KE) include, but are not limited to:
 1. Waste Disposal Facilities : Provided by each prime contractor.
 2. Temporary Interior Barricades per OSHA regulations, Industry Standards, or as indicated in the Construction Documents. These include but are not limited to the following areas:
 - a. To isolate new construction areas.

- b. To isolate new renovation areas.
- c. Floor openings/ penetrations, including stairwells.
- 3. Temporary Doors, Frames, and Wall Assemblies : Provide, maintain, and eventually remove all temporary installations per OSHA Regulations, Industry Standards, or as indicated in the Construction Documents. Provide Fire Rated Assemblies as required. Provide exit (panic/crash bar) devices at locations of egress. Coordinate locations with Construction Exiting Plan, Sequencing/Phasing Plans, and the Construction Manager. Temporary doors shall be constructed using 1/2" plywood and 2x construction, equipped with hasps, locks, handle and latch mechanism, and spring or counterweight installed to allow door to close after opening. Permanent doors will not be used in temporary conditions.
- 4. Temporary Sanitary Facilities : Provided by each contractor.
- 5. Exiting Stair Usage : Usage of Owner's existing stairs in unoccupied areas will be permitted, provided that at Substantial Completion, stairs are restored to conditions before initial use.
 - a. Provide photo documentation of existing stair conditions prior to use by all Prime Contracts. Document during use, and at completion of the Renovation Project to document any and all damage to the Owner's Property.
 - b. Provide protective coverings, barriers, devices, signs, or other procedures to protect stairs and to maintain means of egress. If, despite such protection, stairs become damaged, restore damaged areas so no evidence remains of correction work.
- 6. Provide all necessary dust partitions, fans, temporary ducts and barricades to properly contain and ventilate all work area fumes and odors, created by demolition and new construction or alterations, directly to the outside. Ventilate to an area outside the building, sufficiently away from the building, as to not contaminate other areas. There will be no additional claims honored if the Construction Manager requests additional ventilation requirements.
- C. Applicable Specification Sections: All specification Sections itemized below are to be provided complete by this Prime Contract, unless noted otherwise. In addition to these specifications, the contractor is required to review all specifications included in the overall contract that may contain related scope or detail for this specific contract.
 - 1. All Division 00 and 01 – Procurement and Contracting Requirements & General Requirements
 - 2. Division 22 – Plumbing
 - 3. Division 23 – HVAC

END OF SECTION 011200