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Mike Spano, Mayor

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Purchasing

12 Pages Including Attachments

January 22, 2021

To: Prospective bidders

FROM: KIM SANSEVERE, PRINCIPAL BUYER

Re: IFB-6570: HVAC UPAGRADES AT SAUNDERS TRADES & TECHNICAL HIGH SCHOOL

ADDENDUM NO. 2

The contents of this addendum alter and amend the original bid requirements and take precedence over the related items therein. This addendum forms a part of the contract documents. Bidders must acknowledge receipt of all addenda when submitting their bids. Failure to acknowledge receipt may render your bid as non-responsive and ineligible for award. Vendors are responsible for ensuring that they receive all addenda.

Additions/Clarifications to the bid specifications

Attachments:

Section 01 1000 – Summary of Work (pages 01 1000-1 thru 01 1000-11)

The bid due date remains 2:00 pm on February 4, 2021

IFB-6570 ADDENDUM 2 ACKNOWLEDGEMENT

Acknowledgements must be submitted with your bid

lding Firm:		
Address:		
Bidder's Representative:	Title:	_
Signature:	Date:	_
Email:	Phone:	

SECTION 01 1000 SUMMARY OF WORK

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Project consists of roof replacement, interior renovations and door replacement as defined within the Invitation and Instructions to Bidders for the Saunders Trades and Technical High School as depicted on the accompanying Contract Drawings and the Technical Specifications.
 - 1. Project Location: 183 Palmer Road, Yonkers, New York 10701
 - 2. Owner: Yonkers Public Schools

1.3 CONTRACTS

- A. Contract Type: Multiple prime contracts each based on a Stipulated Price as described in following specification.
- C. The work of each separate prime contract are identified in this section, specifications and on the Drawings.
- D. Local custom and trade-union jurisdictional settlements do not control the scope of Work included in each prime contract. When a potential jurisdictional dispute or similar interruption of work is first identified or threatened, the affected contractor(s) shall promptly negotiate a reasonable settlement to avoid or minimize the pending interruption and delays.
- E. If it becomes necessary to refer to the contract documents to determine which prime contract includes a specific element of required work, begin by referring to the prime contracts, themselves; then, if a determination cannot be made from the prime contracts, refer, in the following order, to the Supplementary Conditions, this section of the Specifications, followed by the other Division 1 sections and finally with the drawings and other sections of the specifications.
- F. If, after referring to the contract documents, it cannot be clearly determined which prime contractor will perform a specific item of required work, then that item of work will be brought to the architect's or construction manager's attention in writing for determination.
- G. Summary of references: Work of the prime contracts can be summarized by reference to the prime contracts, General Conditions, Instructions to bidders, specification sections, drawings, addenda, or Modifications to Contract Documents issued subsequent to the initial printing of this Project Manual, and including but not necessarily limited to printed material referenced by any of these. It is recognized that the work of the prime contracts is unavoidably affected or influenced by governing regulations, natural phenomenon, including weather conditions, and other forces outside the contract documents.
- H. Contractors shall include all labor materials, plans, tools, equipment, and supervision which are required for or incidental to the proper completion of the work as indicated on the drawings and described in the following specification sections.

DIVISION 0 - BIDDING DOCUMENTS, CONTRACTS AND CONDITIONS (Applicable to all contracts)

COVER PAGE
IMPORTANT INFORMATION FOR BIDDERS
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INFORMATION FOR BIDDERS COVER SHEET
INFORMATION FOR BIDDERS
BID SCHEDULE OF PRICES

GENERAL CONDITIONS

DIVISION 1 - GENERAL REQUIREMENTS (Applicable to all contracts)

01 1000	SUMMARY OF WORK
01 2005	Partial Release of Lien
01 3000	Administrative Requirements
01 3216	Construction Progress Schedule
01 4100	Regulatory Requirements
01 5000	Temporary Facilities and Controls
01 6000	Product Requirements
01 7000	Execution
01 7800	Closeout Submittals

BID PACKAGES

1.4 CONTRACT No. 1 - GENERAL CONSTRUCTION

Demolition, removals and construction work as detailed on drawings A100 thru A626.

Structural work as prescribed on drawings S-001 thru S-012.

Asbestos Remediation

Abatement sub-contractor:

Selective demolition and asbestos abatement as described on H-100A (H-100A thru H-104)

Specification sections:

028200

031000	Concrete Forming and Accessories
032000	Concrete Reinforcing
033000	Cast-in-place Concrete
040100	Maintenance of Masonry
042600	Single-Wythe Unit Masonry
051200	Structural Steel Framing
061010	Roof Related Rough Carpentry
075010	Modifications to Existing Roofing
078400	Fire-stopping
079005	Joint Sealers
092116	Gypsum Board Assemblies
095100	Suspended Acoustical Ceilings
096500	Resilient Flooring
099123	Interior Painting

1.5 CONTRACT NO. 2 – HVAC CONSTRUCTION

Mechanical demolition and construction work as prescribed on drawings M-001 thru M-901.

Controls Sub-contractor:

Controls system modification and construction work as prescribed on drawing M-901.

Specification Sections:

078400	Fire-stopping
230500	Common Work Results for HVAC

230513	Common Motor Requirements for HVAC Equipment
230514	Variable Frequency Drives
230519	Meters and Gauges for HVAC Piping
230523	General Duty Valves for HVAC Piping
230529	Hangers and Supports for HVAC Piping and Equipment
230533	Electric Heat Tracing for HVAC Piping
230548	Vibration and Seismic Controls for HVAC Piping and Equipment
230553	Identification for HVAC Piping and Equipment
230593	Testing, Adjusting and Balancing for HVAC
230700	HVAC Insulation
230800	Commissioning of HVAC
230993	Sequence of Operations for HVAC Controls
232113	Hydronic Piping
232116	Hydronic Piping Specialties
232123	Hydronic Pumps
233113	Metal Ducts
233300	Air Duct Accessories
233416	Centrifugal HVAC Fans
233713	Diffusers, Registers and Grilles
235413	Electric Unit Heaters
237416	Packaged, Rooftop Air-Handling Units
238223	Unit Ventilators
250100	Building Automation System Scope of Work
255000	Integrated Automation Facility Controls

1.6 CONTRACT NO. 3 - ELECTRICAL CONSTRUCTION

Electrical demolition and construction work as described on drawing E-001 and detailed on E-001 thru E-801.

Fire Alarm Sub-contractor:

Fire Alarm system modification as prescribed on drawings FA-001 thru FA-204.

Specification Sections:

078400	Fire-stopping
260500	Common Work Results for Electrical
260511	Requirements for Electrical Installations
260519	Low-Voltage Electrical Power Conductors and Cables
260526	Grounding and Bonding For Electrical Systems
260533	Raceways and Boxes for Electrical Systems
260544	Sleeves and Sleeve Seals for Electrical Raceways and Cabling
260553	Identification for Electrical Systems
260416	Panelboards
262726	Wiring Devices
262815	Safety Switches and Fuses

262816 Enclosed Switches and Circuit Breakers283111 Digital, Addressable Fire-Alarm System.

1.7 CONTRACTOR USE OF PREMISES

- A. Construction Operations: Limited to areas designated by the Owner.
- B. Arrange use of site and premises to allow:
 - 1. Yonkers City Schools occupancy.
 - 2. Work by Others.
 - 3. Use of site and premises by the public.
- C. Provide access to and from site as required by law and by School District personnel:
 - 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
 - 2. Do not obstruct roadways, sidewalks, or other public ways without permit.
- D. Existing building spaces may not be used for storage unless approved by the Owner..
- E. Contractors shall comply with Local Noise Ordinance. Work disrupting the community must be performed with the following hours:
 - 1. Monday thru Friday: 8 AM to 8 PM.
 - 2. Weekends/ Holidays: 9 AM to 6 PM.
- F. General: Limitations on site usage as well as specific requirements that impact utilization are indicated on the drawings and by other contract documents. In addition to these limitations and requirements, the Contractor shall administer allocation of available space equitably among the separate sub contractors and other entities needing access and space, so as to produce the best overall efficiency in performance of the total work of the project. The Contractor shall schedule deliveries so as to minimize space and time requirements for storage of materials and equipment on site.
- G. Only materials and equipment, which are to be used directly in the work, shall be brought to and stored on the project site by the Contractor. After equipment is no longer required for the work, it shall be promptly removed from the project site. Protection of construction materials and equipment stored at the project site from weather, theft, damage and all other adversity is solely the responsibility of the Contractors.
- H. Do not unreasonably encumber the site with materials or equipment. Confine stockpiling of materials and location of storage sheds to the areas indicated. If additional storage is necessary obtain and pay for such storage off-site.
- I. The Contractor(s) and any entity for which the Contractor is responsible shall not erect any sign on the Project site without the prior written consent of the Owner, which may be withheld in the sole discretion of the Owner.
- J. Contractor shall ensure that the work, at all times, is performed in a manner that affords reasonable access, both vehicular and pedestrian, to the site of the work and all adjacent areas. The work shall be performed, to the fullest extent reasonably possible, in such a manner that public areas adjacent to the site of the work shall be free from all debris, building materials and equipment likely to cause hazardous conditions. Without limitation of any other provision of the Contract Documents, contractor shall use its best efforts to minimize any interference with the occupancy or beneficial use of:
 - 1. Any areas and buildings adjacent to the site of the work or;
 - 2. The Building in the event of partial occupancy as more..
- K. Without prior approval of the Owner, the Contractor shall not permit any workers to use any existing facilities at the Project site, including, without limitations, lavatories, toilets, entrances and parking areas other than those designated by the Owner. Without limitation of any other provision of the Contract Documents, the Contractor shall use its best efforts to comply with the rules and regulations promulgated by the Owner in connection with the use and occupancy of the Project Site, and the Building, as amended from time to time. The Contractor shall immediately notify the Owner in writing if during the

performance of the Work, the Contractor finds compliance with any portion of such rules and regulations to be impracticable, setting forth the problems of such compliance and suggesting alternatives through which the same results intended by such portions of the rules and regulations can be achieved. The Owner may, in the Owner's sole discretion, adopt such suggestions, develop new alternatives or require compliance with the existing requirements of the rules and regulations. The Contractor shall also comply with all insurance requirements, applicable to use, and occupancy of the Project Site and the Building.

- L. Maintain the existing building in a safe and weather tight condition throughout the construction period. Repair damage caused by construction operations. Take all precautions necessary to protect the building and its occupants during the construction period. When work is scheduled after hours clean and remove all temporary barriers and protection so that the building can be occupied the following day when normal building occupancy will occur.
- M. Keep public areas such as hallways, stairs, elevator lobbies and toilet rooms free from accumulation of waste material, rubbish or construction debris.
- N. Smoking, drinking of alcoholic beverages or open fires will not be permitted on the project site.
- O. Utility Outages and Shutdown:
 - 1. Limit disruption of utility services to hours the building is unoccupied, weekends, or holidays.
 - 2. Do not disrupt or shut down life safety systems, including but not limited to fire sprinklers and fire alarm system, without 7 days notice to Yonkers and authorities having jurisdiction.
 - 3. Prevent accidental disruption of utility services to other facilities.
 - 4. All costs for manning of temporary shutdowns and utility crossovers, including firewatch if needed is included in the contractor's bid, regardless of weekend, holiday, etc

1.8 OCCUPANCY REQUIREMENTS

- A. Full Owner Occupancy: The Owner will occupy the site and existing building during the entire construction period. Cooperate with the Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with the Owner's operations.
- B. Partial owner Occupancy: The Owner reserves the right to occupy the place and install equipment in completed areas of the building prior to Substantial Completion, provided such occupancy does not interfere with completion of the Work, Such placing of equipment and partial occupancy shall not constitute acceptance of the total Work.
 - 1. The Architect will prepare a Certificate of Substantial Completion for each specific portion of the Work to be occupied prior to Owner occupancy.
 - 2. Obtain a Certificate of Occupancy from local building officials prior to Owner occupancy.
 - Prior to partial Owner occupancy, mechanical and electrical systems shall be fully operational.
 Required inspections and tests shall have been successfully completed. Upon occupancy, the
 Owner will operate and maintain mechanical and electrical systems serving occupied portions of
 the building.
 - 4. Upon occupancy, the Owner will assume responsibility for maintenance and custodial service for occupied portions of the building.

1.9 **DEFINITIONS**

- A. A. Definitions as applied to "Contractors" involved with the work of this Project.
 - 1. Contractor" or "Contractor" meaning that Respective Prime Contractor normally responsible for that work referenced;
 - 2. Prime Contractor" meaning either the General Trades, HVAC or Electrical Contractors normally responsible for the referenced work;
 - 3. Contractor" meaning that Respective Prime Contractor as above; and such other terms relating to Contractors to be taken in context with respect to referenced work.
 - 4. Further, wherein said Division 0 and 1 and respective Sections therein, any reference is made to "General Contractor", same shall be construed to mean "Contractor for the General Construction".

- 5. The Architect cannot guarantee the correctness of the existing conditions shown and assumes no responsibility therefore. It shall be the responsibility of the Contractor to visit the site and verify all existing conditions prior to bid.
- B. The Owner will purchase certain items required for the overall operation of this facility.
 - The Contractor(s) will cooperate with said vendors as may be necessary to permit the work to be accomplished.
 - 2. The cooperation may extend to the receiving, unloading and placement of said equipment if directed by the Owner.
 - Terms of payment, if any, shall be in accordance with Article 7 of the General Conditions as amended or modified.
- C. The Contractor is advised that the Owner may enter into separate contracts as may be in their best interests.
- D. The Contractor is further advised that there will be a full time on-site Project Representative/Construction Manager, whose duties will be defined at the pre-construction meeting.

1.10 ADDITIONAL SECURITY PROVISIONS (See Section 01565 - Security Measures For More Information)

- A. All Contractors' employees shall use a single means of access and egress, except in the case of emergency, to be designated by the Construction Manager.
- B. Each Contractor and each Subcontractor, while on the job site, must wear, in a conspicuous location, a Photo I.D. badge bearing the name of the Contractor. The badges of each Contractor shall be numbered consecutively.

1.11 ASBESTOS AND LEAD PAINT AWARENESS REQUIREMENTS

- A. Contractor agrees not to use or permit the use of any asbestos containing material in or on any property belonging to the Owner.
- B. For purposes of this requirement, asbestos free shall mean free from all forms of asbestos, including actinolite, amosite, anthrophyhllite, chrysotile, cricidolite and tremolite, both in friable and non-friable states and without regard to the purposes for which such material is used.
- C. Reference Sections 01 2100 and 02 2080 of these documents for procedures and protocols to be followed in the event of discovery of asbestos or lead paint contamination.
- D. Contractors will investigate / verify then carefully demolish existing ceiling items so as not to disturb any asbestos containing fittings and / or insulation which may be located above existing ceilings.

1.12 CONSTRUCTION TIME AND PHASING REQUIREMENTS

- A. The Contractor is advised the "time is of the essence" of the Contract as defined in Article 8 of the "General Conditions" for the completion of the construction of the facility. It is understood that the work is to be carried through to completion with the utmost speed consistent with good workmanship. Time of Completion shall be as established in the Milestone Schedule. Further, safe and legal ingress and egress shall be maintained at all times to and through the occupied portions of the construction site.
- B. Work shall proceed in such a manner as to cause the least amount of disruption to the ongoing operations as possible.
- C. Upon request by the Contractor, the building may be made available, at the discretion of the Owner, and at the Cost to the Contractor, during such times as are allowed by local noise ordinance, in addition to the above listed hours. A request for use during these off-regular hours must be made at least two (2) days before the use. Such off-hours may include Saturdays, and Holidays.
- D. If the Contractor requests the use of the facility for off-hours to maintain the scheduled completion date, the Contractor shall pay all additional costs in connection with opening, providing security and project management expenses incurred with no costs to the Owner. All expenses shall be deducted from the Contractors contract price. Comply with other portions of this Section.

1. Weekend, Holiday and Night Work:

- a. The contractor shall make no claim for delay for the inability of the Owner to make the site available for off-hours work. Should the Owner make the site available during these hours at the contractor's request, the cost will be borne by the Contractor.
- E. THE CONTRACTOR SHALL BE REQUIRED TO PERFORM SCHEDULED WORK WITHIN THE EXISTING BUILDING ONLY DURING THE TIME PERIODS INDICATED AND SHALL INCLUDE IN THE BID ALL COSTS FOR LABOR, MATERIAL, ETC. INCLUDING PREMIUM TIME TO PERFORM THE WORK, PER PHASE PER TIME PERIOD.
 - 1. All work and storage areas shall be completely enclosed by a fence or barricade at all times so that no student or the public can approach the area or the equipment. The Contractor shall maintain fences and barricades at all times and shall:
 - Repair/ restore and/ or pay for any temporary fencing damaged by their work.
 - 3. Maintain at all times, all exits and walkways from the Building.
 - 4. Where the barricade is removed for work, the Contractor performing such work shall provide adequate safety personnel to prevent unauthorized persons from approaching the work area.

1.13 CONSTRUCTION PHASING

- A. The phasing and/ or milestone schedule contained in the contract has been established for the overall construction of the project.
- B. The Contractor is advised that areas of the existing buildings which are to be added to and / or altered under this Contract will remain in use during construction, coordinate with Section 01500 for temporary facilities.
- C. Electrical and mechanical services to the functioning spaces shall be maintained at all times.
- Swing-overs to new facilities shall be made so as to cause the least interruption to the facilities' operations.
- E. Limit utility shutdowns to two consecutive non-school work days including weekends or holidays at no additional cost to the Owner unless prior agreement is made with the operating personnel of the facility.
- F. The Contractor shall provide and maintain all required separations between old and new construction to prevent:
 - Unauthorized entrance to construction areas by others than Architect, Construction Manager or Owner.
 - Heat loss from existing buildings.
 - 3. Water (rain or ground water) infiltration into existing building.
- G. Exterior alteration and restoration, as requires, may proceed outside of phasing schedule at the Contractor's option with concurrence from the Architect, Construction Manager and Owner.
- H. Site development work shall proceed in such a manner to cause the least amount of disruption to the ongoing operations as possible.

1.14 PROOF OF ORDERS AND DELIVERY DATES - COORDINATE WITH SECTION 01300.

- A. Within 2 weeks after the approval of shop drawings, samples, product data and the like, the Contractor shall provide copies of purchase orders for all equipment and materials which are not available in local stock. The Contractor shall submit written statements from suppliers and subcontractors confirming the orders and stating promised delivery dates. Failure to provide this critical information will result in withholding monthly requisition payments until received.
- B. This information shall be incorporated within the progress schedules so required as part of Section 01300 and shall be monitored so as to insure compliance with promised dates.

1.15 FIELD MEASUREMENTS

A. Each Respective Contractor shall take all necessary field measurements prior to fabrication and installation of work and shall assume complete responsibility for accuracy of same.

B. This project is an ALTERATION and therefore necessitates additional attention to existing conditions receiving newly fabricated and installed equipment, i.e. note the requirements for field dimensioning of shop fabricated items whether or not so required by each technical section.

1.16 INITIAL SUBMITTAL REQUIREMENTS

A. Each Contractor shall provide items noted including - bonds, insurance, emergency telephone numbers, progress scheduling, schedules of submittals, subcontractor listings and the like prior to the start of any work.

1.17 SCHEDULES

A. The schedule presented in the documents is for bidding and identification of milestones. Due to the nature of the work, it is the intention of the Construction Manager to coordinate actual work periods and tasks / sequencing for the project among the various Prime Contractors involved with this bidding process, as well as separate contractors involved with other phases of the work solicited under separate proposals. Each Contractor shall, under terms of the General Conditions, mutually cooperate in the rescheduling of work to permit an uninterrupted use of the facilities by the Owner, without additional cost to the Owner.

1. General

- a. The objective of this project is to complete the overall work in the shortest period of time and to protect the building and occupants from damages caused by weather and construction activity during the progress of the work.
- b. To meet these objectives, the Contractor shall plan the work, obtain materials, and execute the construction in the most expeditious manner possible in accordance with the requirements listed below.
- c. If the Contractor fails to expedite and pursue any part of the work, the Owner may terminate the contract as per the General Conditions.
- d. The Contractor shall work in coordination with work of other Contractors and with school activities with special attention to noise, dust, safety and other contract requirements for work in and around the occupied buildings.

1.18 ADDITIONAL REQUIREMENTS

- A. The following are additional general and special requirements which will govern the work of the projects covered by these Documents.
 - 1. If it appears that some of the work cannot be completed by the scheduled date, the Contractor shall increase the work force or increase the hours of work, including evenings and weekends or necessary, at no additional cost to the Owner.
 - 2. If the work is complete but the area is not cleaned and debris or equipment is not removed, the Owner shall have the right to prepare the area for occupancy with his own forces and deduct the costs from the Contract Amount. (If Contractor does not respond within 24 hours' notice).
 - 3. If the Contractor fails to staff the job adequately to meet the completion date, the Owner reserves the right to assume possession of the material and complete installation with the Owner's forces or other Contractors or to require the Contractor to work evenings and weekends.
 - 4. The school can be made available on weekends and evenings to allow the Contractor adequate time to complete the work before final completion date. Any custodial on-site Construction Manager Field Superintendent, security costs at their contractual rate resulting in this after hours scheduling will be the Contractor's responsibility.
 - 5. In addition to the above-stated requirements for phasing of the work, the Contractors shall not do any noisy work in the areas where examinations will be conducted as per the published school calendar.
 - Work in each work period shall progress at least at a pace in proportion to the Contract time available.
 - 7. The Contractor is responsible for temporary protection of all work until acceptance.
 - 8. The school will be closed on Saturdays, Sundays, regularly schedules district holidays, and at night after cleaning crews have finished.

- 9. If any contractor wishes to work at any time when the school is normally closed, that Contractor shall arrange and pay for custodial services for the building at the applicable district pay rates.
- 10. All existing conditions must be verified in the field. The Owner takes no responsibility for actual conditions found deviating from the drawings. If existing condition interferes with contract work, contractor is responsible to eliminate this condition.
- 11. Contractor must plan, provide and maintain his own access, ramping, and egress as required into and out of the site, staging of trailer(s), materials, machinery, and equipment in agreement with the Construction Manager's Superintendent. Maintain free and safe access on the jobsite for other related project personnel. Maintain safe pedestrian or vehicular traffic must be regulated by a flagman. Trucking and delivery operation should be coordinated with Construction Manager's Superintendent and all other trades.
- 12. Contractor is responsible for all work shown on Contract Documents, including drawings of other trade disciplines. For example, the HVAC Contractor will be responsible for HVAC work shown on Architectural Drawings.
- 13. Contractor is responsible to maintain existing site fencing in its existing condition. Modifications to the fence to better accommodate the contract work can be discussed with the Construction Manager. These changes shall then be handled by this contractor at his expense and in accordance with the Construction Manager's Superintendent's direction. Any cost incurred as a result of damages shall be charged to this contractor.
- 14. Time is of the essence. Contractors' proposed schedule must be approved by the Construction Manager. Contractor shall indicate significant events such as submittals, shop drawings, material ordering, fabrication, delivery, coordination precedents, installation, testing and turnover by area or system as agreed with Construction Manager. A revised progress status shall be required on a weekly basis.
- 15. Decisions required from the Construction Manager, Architect and/or Engineer, shall be anticipated by the Contractor to provide ample time for inspection, investigation or detailed drawings.
- 16. Contractor shall limit his operations including storage of materials and prefabrication to areas within the Contract Limit Lines unless otherwise permitted by the Construction Manager at the Owner's option.
- 17. Contractor shall coordinate the use of premises with the Owner and Construction Manager and shall move at his own expense any stored products under Contractor's control, including excavated material, which interfere with operations of the Owner or separate contractors.
- 18. Contractor shall obtain and pay for the use of additional storage of work areas needed for operations.
- 19. Contractor shall assume full responsibility for the protection and safekeeping of products under this Contract stored on the site and shall cooperate with the Construction Manager to insure security for the Owner's Property.
- 20. The intention of the work is to follow a logical sequence; however, the Contractor may be required by Construction Manager to temporarily omit or leave out any section of his work, or perform his work out of sequence. All such out of sequence work and come back time to these areas shall be performed at no additional cost.
- 21. Contractor shall submit a three-week schedule (man-loaded by work activity and area) to Construction Manager each week. Contractor's representative shall attend a weekly meeting with all contractors, chaired by Construction Manager, for the purpose of job coordination and sequencing. Contractor is responsible to coordinate the job with other trades and Construction Manager, and to cooperate with other trades in pursuit of the overall project's shop drawings and actively participate in resolving discrepancies, conflicts, interferences, etc.
- 22. Prime Contractor shall prepare an overall job schedule for his portion of work upon award of Contract, as per Construction Schedules.
- 23. Sufficient manpower shall be provided at all times to maintain progress of the job. A shortage of labor in the industry shall not be accepted as an excuse for not properly manning the job.
- 24. The contractor shall take special care in verifying that his equipment matches the characteristics of the power being supplied.

- 25. Insubordination, unsafe practices, horseplay, abusive behavior or language, wanton destruction of property, use of drugs or alcohol, possession of firearms, and solicitation shall not be tolerated. There will be no warnings, and Contractor shall designate a responsible on-site supervisor to handle any situations that may arise, including termination.
- 26. Each contractor is responsible to supply and install all wood blocking/bracing necessary to properly secure their work. This responsibility includes coordinating the installation in concealed areas without delaying other trades.
- 27. Union business shall not be conducted on site. Any Union representatives that visit the site must declare what Contractor's personnel they represent, and must be escorted by that Contractor's Union steward at all times. No visitors, sales representative or non-working personnel shall be permitted on site without prior consent of the Construction Manager. No photographs shall be taken without the Construction Manager's prior approval. The contractor shall insure that it's work continues uninterrupted during any labor dispute regardless of cause. The contractor shall be liable to the owner for all damages suffered by the disputes or strikes.
- 28. Organize daily clean ups as well as participating in a weekly joint clean up involving all prime contractors on site. Clean up shall be considered a safety issue. If any contractor fails to keep the site safe and clean within 4 hours of being notified by the construction manager, either verbally or in writing, the construction manager will have the clean up work performed by others and will backcharged accordingly.
- Contractor shall provide protection from damage to adjacent and adjoining work and/or structures.
 Contractor shall clean, repair and/or replace any damage for which this contractor is responsible.
- 30. Contractor shall submit hourly rate sheets that would apply to time and material work for all pertinent trades upon Award of Contract.
- 31. Contractor shall examine surfaces and conditions prior to start of work. Report unacceptable conditions to the Construction Manager. Do not proceed until unacceptable conditions are corrected and acceptable. Starting of work implies acceptance.
- 32. Upon removal of exterior walls and window units, the building security and weather protection is the responsibility of the prime contractor performing the removals.
- 33. It is the responsibilities of all Prime Contractors to review the entire summary of work and remaining documents for additional work items.
- 34. SLEEVES AND SLEEVE LAYOUT It is the responsibility of the Prime Contractor requiring a sleeve to provide the sleeve and a layout sketch to the Prime Contractor performing the construction activity that the sleeve goes in.
- Each contractor is responsible to review and become familiar with the scope of work included in all Contracts.
- 36. Limited site space is available in areas as designated by the Construction Manager. Construction trade parking is not permitted in Owner's employee parking lot.
- 37. Each contractor shall provide the engineering layout required to properly complete his work from an established working point. Contractor shall employ only competent engineering personnel skilled in performing layout tasks of similar complexity.
- 38. Prior to commencing the work, each Contractor shall provide written acceptance of grades, structures, substrates, and/or systems installed by other Contractors as suitable for installation of his work. Failure to provide this verification prior to commencing work shall constitute acceptance of the existing conditions.
- 39. Each Contractor shall coordinate with the Construction Manager for lay down areas, staging areas, and overall use of project site.
- 40. All contractors and their employees, subcontractors and supplier are expressly prohibited from entering the occupied areas of the school buildings during school hours without prior written permission of the Construction Manager and for using any of its facilities (i.e. restrooms, cafeteria, etc.).
- 41. Each contractor is responsible for the timely provision of the information required by other Contractors for the progress of other Contractors' work.

Electrical contractor is required to coordinate / obtain the necessary electrical roughing and final inspections. Provide proper certification paperwork.

END OF SECTION