

SECTION 00 02 00 - NOTICE TO BIDDERS

NOTICE TO BIDDERS

Notice is hereby given that sealed bids will be received:

By: Northwestern School Corporation
3075 N. Washington Street
Kokomo, IN 46901

For: Northwestern School Corporation – Multiple Projects
3431 County Rd N 400 W
Kokomo, IN 46901

At: 3075 N. Washington Street
Kokomo, IN 46901

Until: Wednesday, November 29, 2023, 2:00 PM (local time), 2:00 PM

Bid Opening: Bids will be publicly opened and read aloud at 2:00 PM (local time), at the Northwestern School Corporation Administration Building, 3075 N. Washington Street, Kokomo, IN 46901.

All work for the complete construction of the Project will be under one or more prime contracts with the Owner based on bids received and on combinations awarded. The Construction Manager will manage the construction of the Project.

Construction shall be in full accordance with the Bidding Documents which are on file with the Owner and may be examined by prospective bidders at the following locations:

Office of the Construction Manager
The Skillman Corporation
3834 S. Emerson Avenue, Building A
Indianapolis, IN 46203

The Skillman Plan Room
www.skillmanplanroom.com

The Bid Opening on **Wednesday, November 29, 2023 at 2:00 PM (local time)** will be a Virtual Microsoft Teams Meeting **ONLY**.

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

Meeting ID: 246 387 780 094

Passcode: os39LY

[Download Teams](#) | [Join on the web](#)

Or call in (audio only)

[+1 317-762-3960,,999965943#](#) United States, Indianapolis

Phone Conference ID: 999 965 943#

[Find a local number](#) | [Reset PIN](#)

Prime and Non-Prime Contract Bidders must place an order on www.skillmanplanroom.com to be able to download documents electronically or request printed documents. There is no cost for downloading the bidding documents. Bidders desiring printed documents shall pay for the cost of printing, shipping and handling. Reprographic Services are provided by:

Eastern Engineering 9901 Allisonville Road, Fishers, IN 46038, Phone 317-598-0661.

WAGE SCALE: Wage Scale does not apply to this project.

Bid security in the amount of ten percent (10%) of the Bid must accompany each Bid in accordance with the Instructions to Bidders.

The successful Bidders will be required to furnish Performance and Payment Bonds for one hundred percent (100%) of their Contract amount prior to execution of Contracts.

Contractors submitting bids for the performance of any Work as specified in this building Project should make such Bids to **Northwestern School Corporation (a public building corporation)**. Contractors are advised that the Contract as finally entered into with any successful Bidder may be entered into with either the School Corporation or the Building Corporation or certain portions of the Contract may be entered into by both the School Corporation and the Building Corporation.

The Owner reserves the right to accept or reject any Bid (or combination of Bids) and to waive any irregularities in bidding. All Bids may be held for a period not to exceed **60** days before awarding contracts.

Northwestern School Corporation
By: Jeff Layden, Director of Operations

END OF SECTION 00 02 00

SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and General Provisions of the Prime Contract, including amended General Conditions and other Division 1 Specification Sections, apply to Work of this Section.

1.02 SUMMARY

- A. The intent of this Section is to indicate the Work required by the Contractors and to provide information regarding the duties, responsibilities, and cooperation required by the Contractors, with similar requirements for the subcontractors and suppliers.
- B. Owners right to maintain current operations
- C. Occupancy requirements
- D. Work by Owner
- E. Permits, fees, and notices
- F. Labor and materials
- G. Verifications of existing dimensions
- H. Project security
- I. Coordination of work
- J. Time of commencement and completion
- K. Schedule of contract responsibilities

1.03 WORK UNDER SEPARATE CONTRACTS

- A. Prime Contracts are defined to include the following contracts described in the Schedule of Contract Responsibilities included hereinafter; and each is recognized to be a major part of the project, with Work to be performed concurrently and in close coordination with Work of other Prime Contracts.
- B. The "Contract Documents," as defined in the General Conditions, include "the Drawings." Although Drawings are grouped and identified by classification of the Work, Contractors shall be responsible for their Work as specified herein and as

indicated on the Drawings. Although the majority of the Drawings are "to scale," Contractors are directed to use indicated dimensions for determining material quantities and for other reasons. No additional monies will be allowed due to Contractors using "scaling instruments" to determine material quantities or for other reasons.

- C. Separate prime contracts will be awarded as per the **"Schedule of Contract Responsibilities"** (see Part 3 – Execution). Contractors shall include Work required by the Specifications and Drawings for each contract area defined in the Schedule.
- D. Work for the complete construction of the Project will be under multiple prime contracts with the Owner. The Construction Manager will manage the construction of the Project.
- E. Each Contractor shall be responsible for demolition and disposal of existing items relative to his Contract.

1.04 ADMINISTRATIVE RESPONSIBILITIES OF PRIME CONTRACTORS AND CM

- A. The Construction Manager shall be responsible for the maintenance of the Construction Schedule and management of every phase of the Work.
 - 1. Each Contractor shall read the Specifications and Drawings for other separate Contracts for fixed equipment and the like to be incorporated or attached or built into the Work; and familiarize himself with the requirements and responsibilities of other Contracts to enable the required coordination and supervision.
 - 2. Each Contractor shall also familiarize himself with other items to be incorporated into the Work including equipment and Work by the Owner.
 - 3. Each Contractor shall cooperate with the Construction Manager in notifying him when the Work is at a stage to require the services of other Contractors and shall notify the Construction Manager in the event that such other Contractors do not carry out their responsibilities in connection with such notification.
- B. Contractors shall cooperate with and assist the Construction Manager in the preparation of construction progress and procedures, schedule of product deliveries, and their effect on the overall project progress and completion. Other Contractors shall cooperate in getting their Work and the Work of their subcontractors completed according to the schedule as prepared and maintained by the Construction Manager. Each Contractor shall immediately notify the Construction Manager of a delay in delivery of products or the scheduled date of completion that may affect the total progress of construction.
- C. The Owner will furnish the topographical survey, either as a part of these Drawings or separately, giving the general topographical lines existing at the site and the property lines.

- D. Contractors required to make connections to existing utilities, especially sewerage where gravity flow occurs, shall verify grades and locations at points of such connections and shall notify the Construction Manager of circumstances which would adversely affect the proper flow or connection to such facilities.

1.05 PRIME CONTRACTORS USE OF PREMISES

- A. Use of the Site: Limit use of the premises to work in areas indicated. Confine operations to areas within contract limits indicated. Do not disturb portions of the site beyond the areas in which the Work is indicated.
 - 1. Owner Occupancy: Allow for Owner occupancy and use by the public.
 - 2. Driveways and Entrances: Keep driveways and entrances serving the premises clear and available to the Owner, the Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.
- B. Use of the Existing Building: Maintain the existing building in a weathertight 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.

1.06 OWNERS RIGHT TO MAINTAIN OPERATIONS

- A. During the course of this Project, normal and customary functions and operations must be maintained. The Contract Documents are intended to define a strict separation between the school activities of students and staff from the activities of the construction project.
- B. The Construction Manager, Architect, and Owner will not tolerate any visible or audible actions initiated or responded to by any employees of Contractors on this Project toward any students, teachers, or staff members at the school system. Violators shall be promptly removed from the site.
- C. The Owner intends to instruct students, teachers, and staff to refrain from communications with Contractor's personnel working on this Project. All communication with Owner and staff shall be through the Construction Manager.
- D. Contractors must expend their best effort toward protection of the health, safety, and welfare of occupants on the Owner's property during the course of Work on this Project.

1.07 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 and to 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 Construction Manager will prepare a Certificate of Substantial Completion for each specific portion of the Work to be occupied prior to Owner occupancy.
 2. Party which obtained general building permit shall obtain a Certificate of Occupancy from local building officials prior to Owner occupancy.
 3. 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.

1.08 WORK BY OWNER

- A. The Owner intends to complete the following items of Work outside the provisions of these Contract Documents. Contractors shall not restrict or interfere with the Owner's right to the Project to accomplish this Work.
1. Equipment and furniture except as scheduled and specified under Divisions 11 and 12 and shown on the Drawings.
 2. Items which may be deleted from Contracts for Work as required by the Contract Documents.
 3. Existing school maintenance work.
 4. The purchase and supplying of certain materials as noted in the Project Manual.
 5. The Owner, under separate contract, shall provide removal of identified asbestos containing materials from the existing structure. The asbestos report is available through the Construction Manager upon request.

1.09 PERMITS, FEES, AND NOTICES

- A. The Construction Manager will secure the general building permit for the Owner. Each Contractor shall secure and pay for other permits, governmental fees, and licenses necessary for the proper execution and completion of his Work, which are applicable at the time the bids are also received. Fees to relocate utilities on Owner's property shall be included in the bid of the Contractor doing the relocation.
1. State filing fees for plan approval are the responsibility of the Owner and will be paid by the Owner.

- B. Utility Tie-Ins: Shall be arranged with local utility company and other involved parties for minimum interruption of service.
- C. Shutdowns of existing systems shall be limited to minimum time required and scheduled with other involved parties. Provide 2 days written notice of shutdown to Construction Manager and Owner.
- D. Inspections of installed work shall be performed by the governing authority as arranged for by the Contractor. Work shall not be covered until approved.
- E. Each Contractor shall give notices and comply with laws, ordinances, rules, regulations, and orders of public authorities bearing on the performance of his Work. If a Contractor observes that the Contract Documents are at variance therewith, he shall promptly notify the Construction Manager in writing, and necessary changes shall be adjusted by appropriate notification. If a Contractor performs Work knowing it to be contrary to such laws, ordinances, rules, and regulations, and without such notice to the Construction Manager, he shall assume full responsibility therefore and shall bear the costs attributable thereto.

1.10 LABOR AND MATERIALS

- A. Unless otherwise specifically noted, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for the proper execution and completion of his Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.
- B. Each Contractor shall enforce strict discipline and good order among his employees or other persons carrying out Work of his Contract and shall not permit employment of unfit person or persons or anyone not skilled in the task assigned to them.
- C. Contractors and Subcontractors shall be subject to such rules and regulations for the conduct of the Work as the Owner may establish. Employees shall be properly and completely clothed while working. Bare torsos, legs and feet will not be allowed. Possession or consumption of alcoholic beverages or drugs, tobacco or other noxious behavior on the site is strictly prohibited. Violators shall be promptly removed from the site. Smoking is not permitted on school property or within school buildings.
- D. Contractors will conduct criminal background checks (extent of and/or service to be used will be established by the Owner) on every employee assigned to work on the Project and clear them through the National Sex Offender Registry prior to their assignment to Project. Contractors will require the same of sub-contractors.
- E. ID Stickers will be issued by The Skillman Corporation upon receipt of verification from the Contractor that the employee/subcontractor employee or independent contractor has a satisfactory record to work on the Project.

- F. E-Verify Compliance: Pursuant to I.C. 22-5-1.7, Contractor shall enroll in and verify the work eligibility status of all newly hired employees of Contractor through the E-Verify Program (Program). Contractor is not required to verify the work eligibility status of all newly hired employees through the Program if the Program no longer exists. Also pursuant to I.C. 22-5-1.7, Contractor must execute an affidavit affirming that the Contractor does not knowingly employ an unauthorized alien and confirming Contractor's enrollment in the Program, unless the Program no longer exists, shall be filed with the Owner prior to the execution of this contract. This contract shall not be deemed fully executed until such affidavit is delivered to the Owner.

Contractor and its subcontractors shall not knowingly employ or contract with an unauthorized alien or retain an employee or contract with a person that contractor or its subcontractor subsequently learns is an unauthorized alien. If Contractor violates this provision the Owner shall require Contractor to remedy the violation not later than thirty (30) days after the Owner notifies Contractor. If Contractor fails to remedy the violation within the thirty (30) day period, the Owner shall terminate the contract for breach of contract. If Owner terminates the contract, Contractor shall be liable to the Owner for actual damages in addition to any other contractual remedies. There is a rebuttable presumption that Contractor did not knowingly employ an unauthorized alien if Contractor verified the work eligibility status of the employee through the Program.

Prior to performing any work, Contractor shall require each subcontractor to certify to Contractor that the subcontractor does not knowingly employ or contract with an unauthorized alien and has enrolled in the Program. Contractor shall maintain on file a certification from each subcontractor throughout the duration of this contract or project which is the subject of this contract. If Contractor determines that a subcontractor is in violation of this provision, Contractor may terminate its contract with the subcontractor for such violation. In Accordance with I.C. 5-16-13 Contractor must provide the E-Verify Case Number of every employee that works on the project. This requirement includes the contractor's subs and suppliers to the fourth (4th) tier.

- G. The Owner is requiring that all contractors' personnel and their onsite employees and subcontractors submit to expanded history and child protection index check. Contractors shall enroll in the Safe Vendor Program through Safe Hiring Solutions www.safehiringsolutions.com. Enrollment in Safe Vendor will ensure contractors employees are vetted in accordance with I.C. 20-26-5-10 for expanded criminal history and expanded child protection index check. Contractor is responsible for the cost of enrollment and employee background check. All contractors' personnel and employees, once cleared for work will be issued a project identification badge that must be worn at all times while on site. All contractors/subcontractors employees shall provide name, address, picture state driver's license or picture identification card and/or Safe Vendor Card to The Skillman Corporation Site Manager upon request.

- H. Pursuant to Indiana Code 5-16-13 Requirements for Contractors on Public Works Projects enacted by the Indiana Legislator requires, in addition to requirements already in effect, contractors to comply with the following:
1. Tier 1 –General/Prime Contractors to self-perform 15% of their total Contract.
 2. Qualification thru the Department of Administration or INDOT requirement in accordance with IC 4-13.6-4.
 - a. **Bids shall not be considered unless (1) the Prime Bidder and (2) all lower tiered subcontractors whose subcontract value is estimated to be \$300,000 or more are qualified at the time of the bid in accordance with IC 4 – 13.6 – 4.**
 3. Include Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6 with Bid.
 4. Minimum Insurance Requirements \$1M/occurrence \$2M/aggregate. However, check your bidding requirements as the Owners may have higher limit requirements.
 5. Mandatory enrollment in E-Verify by all contractors down to the 4th Tier Sub Contracts and must provide the case verification number of all employees working on the project.
 6. Prohibits contractors down to the 4th Tier Sub Contract from paying employees in cash.
 7. Requirement to retain payroll records for 3 years
 8. All contractors down to the 4th Tier Sub Contract must comply with Fair Labor Act, Indiana’s Workers Compensation and Unemployment Compensation Insurance.
 9. Mandatory Training Requirements based upon number of employees.
 10. Failure to comply may result in debarment from public works projects for up to 4 years.
- I. All contractors down to the 4th Tier Sub Contract must maintain general liability insurance in at least the following amounts: Each Occurrence Limit of \$1,000,000 and General Aggregate Limit of \$2,000,000. Other requirements and limits may apply see specification section 00 50 00 Schedule of Insurance Requirements.

1.11 CUTTING AND PATCHING

- A. Refer to Section 01 73 10 – Cutting and Patching, for provisions on this subject.

1.12 VERIFICATIONS OF EXISTING DIMENSIONS

- A. When verification of existing dimensions is required, the Contractor requiring said verification for the construction or fabrication of his material shall be the Contractor responsible for the procurement of the field information.

1.13 PROJECT SECURITY

- A. Each Prime Contractor shall take all reasonable precautions to prevent injury, damage or loss to people and property in, on and adjacent to the project. This shall include not only their own work or property but that of other contractors and the Owner.
- B. If deemed necessary by The Construction Manager a project wide security program may be developed for the purpose of preventing damage or loss at the project site or property adjacent thereto. Once accepted by the Owner, contractors shall comply.

1.14 SCHEDULE OF CONTRACT RESPONSIBILITIES - SCOPE

- A. Contractors shall submit their proposals based on the work included under each contract area as listed herein. Include Work necessary for a complete project, as shown on the Drawings and called for in the Specifications.
- B. Questions concerning the phasing or "Schedule of Contract Responsibilities" should be directed to the Construction Manager, who will be the interpreter and be responsible for this Schedule of Contract Responsibilities and Contract Breakdown, prior to submitting proposals and during construction.
- C. The requirements of Division 1 are a part of the Work of each and every contract area. The Contractor for any one contract area shall be familiar with the Work and requirements of all other contract areas.
- D. Certain Specification Sections describe Work to be performed under several contract areas. (Example: 06 10 00 - Rough Carpentry.) Provide Work of this nature as required for each contract area whether or not enumerated in the Schedule of Contract Responsibilities.
- E. The following contract areas are broken down by Specifications Section conforming basically to the CSI format.
- F. The Drawings and Specifications as furnished for each of the Contracts is for the convenience of the Contractor in preparing a proposal for this Project. However, each Contractor is responsible to review the complete set of Drawings and Specifications to assure that Work required to be installed to complete his phase of the Work is included in his proposal. This "Schedule of Contract Responsibilities" is a definition of the work as it is to be bid in separate contracts. Where a specific

item of Work is not defined, but is normally inherent to a trade, or is included in the scope of the applicable technical revision, it will be the responsibility of that Contractor to include the Work in his proposal.

- G. This "Schedule of Contract Responsibilities" is to aid each Contractor in defining the Scope of Work to be included in his proposal. However, omissions from this "Schedule of Responsibilities" do not relieve the Contractor from including in his proposal that Work which will be required to complete his Contract. Each Contractor should read the "Schedule of Contract Responsibilities" completely to familiarize himself with the Work of other Contractors that may have Work in adjacent areas and to coordinate the interfacing problems that may occur as the work is assembled and constructed.
- H. Where specific Work is to be completed under a particular phase of the Project and the Work is wholly or partially completed by other trades because of the type of work involved or jurisdictional trade agreements, the Contractor will be responsible to subcontract the Work as necessary to complete the Work included in his Contract. No delay in the Work will be allowed due to the failure of the Contractor to subcontract related work required by jurisdictional trade agreements.

1.15 COORDINATION OF WORK

- A. Each Contractor is responsible to coordinate his Work with the Work of other trades and other Contractors and requirements of the school system. The Contractor must make space allowances for Work of other Contractors; provide necessary openings where indicated or implied by the Drawings and Specifications. Each Contractor is responsible to protect his own Work.

1.16 TIME OF COMMENCEMENT AND COMPLETION

- A. The Contractor shall commence work within ten (10) days after being notified in writing to proceed and shall complete the Work within the time limitations established in the Form of Agreement.
 - 1. It is anticipated that construction will start within **(60)** calendar days after receipt of bids.
 - 2. Construction shall be complete within **(700)** consecutive calendar days, or earlier, after Award of Contract.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 SCHEDULE OF CONTRACT RESPONSIBILITIES

3.02 GENERAL REQUIREMENTS

A. PROVIDED BY OWNER THROUGH THE CONSTRUCTION MANAGER

Section	01 32 00	Schedules and Reports
Section	01 45 10	Testing Laboratory Services
Section	01 59 10	Project Office
Section	01 71 50	Final Cleaning

B. PROVIDED BY ALL CONTRACTORS AS APPLICABLE

Section	01 12 00	Multiple Contract Summary
Section	01 2 300	Alternates
Section	01 25 00	Contract Modification Procedures
Section	01 28 00	Schedule of Values
Section	01 29 00	Applications for Payment
Section	01 31 00	Project Meetings
Section	01 32 00	Schedules and Reports
Section	01 33 00	Submittal Procedures
Section	01 40 00	Quality Requirements
Section	01 45 10	Testing Laboratory Services (Paragraph 1.05)
Section	01 50 50	Temporary Facilities and Controls
Section	01 54 60	Environment Protection
Section	01 54 80	Utility Protection
Section	01 56 30	Water Control
Section	01 56 90	Housekeeping & Safety
Section	01 59 20	Offices and Sheds
Section	01 60 00	Product Requirements
Section	01 72 50	Work Layout
Section	01 73 10	Cutting and Patching
Section	01 77 00	Contract Closeout

All Contractors shall provide their Superintendents with radios capable of handling multiple channels and compatible with radios used by the Construction Manager.

Autodesk Build is replacing **PlanGrid**. **Autodesk Build** does not require users to purchase a license. **Contractors** will be invited to the project and required to use this tool. **Autodesk Build** will be used as the **Current Set** and **As-Built Record Drawings**. Additionally, it will be used to track **Issues** for **Safety, QA/QC, Non-Compliance Issues, Work Completion List** and **Punch List**.

C. PROVIDED BY DESIGNATED CONTRACTORS

Section	01 21 00	Allowances
Section	01 51 10	Temporary Electricity, Lighting and Warning Systems

Section	01 51 30	Temporary Heating, Ventilation and Cooling
Section	01 51 50	Temporary Water
Section	01 51 60	Temporary Sanitary Facilities
Section	01 51 80	Temporary Fire Protection
Section	01 52 10	Construction Aids and Temporary Enclosures
Section	01 52 60	Rubbish Container
Section	01 53 10	Fences (Temporary Security)
Section	01 53 20	Tree and Plant Protection
Section	01 53 30	Barricades
Section	01 55 00	Access Roads and Parking Areas
Section	01 56 20	Dust Control
Section	01 56 80	Erosion Control
Section	01 57 60	Project Signs
Section	01 72 00	Field Engineering
Section	018300.99	Facility Shell Performance Requirements

3.03 BID CATEGORIES

A. BID CATEGORY NO. 1 – GENERAL TRADES

General Requirements in Paragraph 3.02.B above.

Section	012100	Allowances
Section	015160	Temporary Sanitary Facilities
Section	015180	Temporary Fire Protection
Section	015210	Construction Aids and Temporary Enclosures
Section	015260	Rubbish Container
Section	015310	Fences (Temporary Security)
Section	015320	Tree and Plant Protection
Section	015330	Barricades
Section	015500	Access Roads and Parking Areas
Section	015620	Dust Control
Section	015680	Erosion Control
Section	015760	Project Signs
Section	017200	Field Engineering
Section	018300.99	Facility Shell Performance Requirements
Section	024119	Selective Demolition
Section	033000	Cast-In-Place Concrete
Section	057300	Decorative Metal Railings
Section	071700	Bentonite Waterproofing
Section	079200	Joint Sealants
Section	079500	Expansion Control
Section	081113	Hollow Metal Doors and Frames
Section	081416	Flush Wood Doors
Section	083113	Access Doors and Frames
Section	083313	Coiling Counter Doors
Section	083323	Overhead Coiling Doors
Section	083613	Sectional Doors
Section	087100	Door Hardware

Section	088300	Mirrors
Section	089119	Fixed Louvers
Section	096623	Resinous Matrix Terrazzo Flooring
Section	096723.13	Resinous Flooring - Level 1
Section	096723.17	Resinous Flooring - Level 3
Section	101100	Visual Display Surfaces
Section	101400	Signage
Section	102113.19	Plastic Toilet Compartments
Section	102123	Cubicle Curtains and Track
Section	102600	Wall and Door Protection
Section	102800	Toilet, Bath, And Laundry Accessories
Section	104413	Fire Extinguisher Cabinets
Section	105113	Metal Lockers
Section	105126.99	Plastic Lockers
Section	107316.99	Translucent Canopy System
Section	107500	Flagpoles
Section	115413	Kilns
Section	116623	Gymnasium Equipment
Section	122413	Roller Window Shades
Section	142400	Hydraulic Elevators
Section	311000	Site Clearing
Section	312000	Earth Moving
Section	321216	Asphalt Paving
Section	321313	Concrete Paving
Section	321373	Concrete Paving Joint Sealants
Section	323113	Chain Link Fences and Gates
Section	329200	Turf and Grasses
Section	329300	Plants
Section	331415	Site Water Distribution Piping
Section	333200.99	Wastewater Utility Pumping Stations
Section	334100	Storm Utility Drainage Piping
Section	334600	Subdrainage

1. Provide all selective demolition required for the project; include advance demolition of “pockets” required at existing exterior walls required for new steel connections; include temporary flashing and waterproofing both prior to and after the new steel is erected.
2. Provide all erosion control measures.
3. Provide all site clearing and site demolition work.
4. Provide and maintain concrete washout dumpsters.
5. Provide field engineering and layout for the project including grid lines, control points, benchmark elevations, etc. (including at Level 2 and Roof).
6. Provide traffic control measures when required for your work.
7. Provide road cleaning/sweeping for entire project duration.
8. Provide temporary sanitary facilities for entire project duration.
9. Provide final As-Built survey for utility work.

10. Provide all foundation/footing excavation and backfill including drainage course under slab on grade.
11. Provide all slab on grade work including hot water and winter blanket protection, as required, based on the construction schedule.
12. Provide grouting of all column bases.
13. Provide bituminous coating at all column bases if indicated on the construction documents.
14. All spoils from excavation work generated by Bid Category No. 1 shall be removed from site by Bid Category No. 1.
15. Provide foundation underdrainage as indicated.
16. Provide dumpsters and rubbish containers for the duration of the project. Bid Category Nos. 2, 4 and 5 shall provide dumpsters and rubbish containers for their own work.
17. Provide excavation for all curbs and walks.
18. Provide all site concrete including aggregate sub-base. Provide asphalt paving including aggregate sub-base. Provide pavement markings and signage.
19. Underground storm and sanitary lines will be installed to a point five (5) feet outside foundation walls by Bid Category No. 1 Contractor.
20. Bid Category No. 1 Contractor is responsible for joint sealant at hollow metal frames installed within masonry openings.
21. Include 250 laborer hours and 250 carpenter hours for use at the discretion of the Construction Manager.
22. Include a \$30,000 allowance for temporary interior partitions which may be required based on phased construction; work performed will be on a Time and Material basis as verified by Skillman's site manager.
23. Include elevator operator time as required for other trades to complete their work inside the elevator shaft(s) including punch list work required by the State Elevator Inspector.
24. Include elevator operator time as required for pre-testing all elevator operations (prior to State inspection) with other involved trades including, but not limited to, elevator recall, emergency generator power transfer, sump pump, etc. Include elevator operator time as required for State Elevator Inspection.
25. Bid Category No. 1 Contractor shall stub the domestic water and fire services into the building; provide flanged connections located three (3) feet above the finished floor.
26. Bid Category No. 6 Contractor shall provide all hardware required for aluminum/glass doors that are included within their scope of work. Bid Category No. 1 Contractor shall furnish permanent cores for these doors for installation by Bid Category No. 6 Contractor.
27. Regarding any references to "GC" or "General Contractor" indicated on the Contract Documents, this work is the responsibility of the Bid Category No. 1 Contractor.
28. Regarding Specification Section 06 10 53 – Misc. Rough Carpentry; The Bid Category No. 4 Contractor is responsible for all wood blocking and sheathing required for roof installation including inside parapet wall sheathing, MEP curbs, metal roof copings, roof hatches, etc. This includes any "Densdeck"

type sheathing or plywood required at the inside face and top of parapet walls. The Bid Category No. 5 Contractor is responsible for wood blocking and plywood within the Metal Stud Walls, plywood attached to metal stud walls (including plywood or wood studs required at window openings including at CMU openings). The Bid Category No. 1 Contractor is responsible for all other wood blocking required in the Contract Document including but not limited to temporary enclosures for winter conditions at all window and door openings.

29. Regarding Specification Section 07 92 00 – Joint Sealants, all contractors are to provide caulking for their work in accordance with the Contract Documents. In general, the Contractor whose work creates the joint to be caulked (in the normal sequence of work) is to provide the joint sealant.
30. Provide plywood covered frames or reinforced plastic for window openings, overhead door openings, and hinged plywood at door openings to maintain temperatures necessary to perform the work and provide security. Provide protection against adverse weather so that the building and materials will not be damaged, and against unauthorized entry. Protection shall be provided well in advance of finishing operations to prevent penetration of dust or moisture into finished areas.
31. Bid Category No. 6 Contractor shall demo/remove all exterior windows at Howard Elementary which are scheduled for replacement. Bid Category No. 6 Contractor shall either install temporary enclosures at these windows OR install new window frames and glass during the same day as the removal work takes place. Bid Category No. 6 shall properly dispose of all Howard Elementary window demolition materials offsite.
32. Provide five (5) Construction grade padlocks keyed alike with freeze protection for gates/doors with a minimum of ten (10) keys for distribution to designated contractors and the Construction Administrator.
33. Lock all construction gates at the end of each workday for the entire project duration.
34. Provide damp-proofing and rigid insulation at the exterior foundation walls and slab on grade as indicated.
35. Receive and install all steel embeds and anchor bolts furnished by Bid Category No. 3 Contractor.
36. Supply adequate manpower and sweeping compound as required to maintain “construction clean” conditions, on a weekly basis, of the jobsite for the entire project duration.
37. Provide drinking water, hand washing stations and hand sanitizer for your labor force.

B. BID CATEGORY NO. 2 - MASONRY

General Requirements in Paragraph 3.02.B above.

Section	012100	Allowances
Section	015260	Rubbish Container
Section	018300.99	Facility Shell Performance Requirements
Section	042000	Unit Masonry
Section	072100	Thermal Insulation

Section	079200	Joint Sealants
Section	078446	Fire-Resistive Joint Systems
Section	079500	Expansion Control

Project Specific Clarifications:

1. Provide dumpsters and rubbish containers for your own work.
2. Provide traffic control measures when required for your work.
3. Regarding Specification Section 07 92 00 – Joint Sealants, all contractors are to provide caulking for their work in accordance with the Contract Documents. In general, the Contractor whose work creates the joint to be caulked (in the normal sequence of work) is to provide the joint sealant.
4. Coordinate all required wall openings with the MEP Contractors.
5. Provide the vapor barrier/cavity wall insulation system behind all brick veneer and formed metal wall panels areas. Coordinate with the Bid Category No. 5 Contractor.
6. Provide drinking water, hand washing stations and hand sanitizer for your labor force.

C. **BID CATEGORY NO. 3 – STRUCTURAL STEEL/MISC. IRON**

General Requirements in Paragraph 3.02.B above.

Section	012100	Allowances
Section	015330	Barricades
Section	017200	Field Engineering
Section	051200	Structural Steel Framing
Section	052100	Steel Joist Framing
Section	053100	Steel Decking
Section	055000	Metal Fabrications
Section	055100	Metal Stairs
Section	055213	Pipe and Tube Railings

Project Specific Clarifications:

1. Any cleaning or de-mucking of column pads prior to column installation will be the responsibility of Bid Category No. 3 Contractor.
2. Coordinate all required roof openings with the MEP/FP Contractors; provide reinforcing at all roof openings as required.
3. Field verify as-built anchor bolt survey provided by Bid Category No. 1 Contractor prior to commencement of steel erection.
4. Furnish all embedded items which are to be cast into concrete footings, concrete foundation walls, concrete piers, etc. to the Bid Category No. 1 Contractor.
5. Provide traffic control measures when required for your work.
6. Provide drinking water, hand washing stations and hand sanitizer for your labor force.

D. **BID CATEGORY NO. 4 - ROOFING**

General Requirements in Paragraph 3.02.B above.

Section	012100	Allowances
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Section	015260	Rubbish Container
Section	018300.99	Facility Shell Performance Requirements
Section	070150.19	Preparation For Re-Roofing
Section	072713	Modified Bituminous Sheet Air Barriers
Section	074293	Soffit Panels
Section	075323	Ethylene-Propylene-Diene-Monomer (EPDM) Roofing
Section	077100	Roof Specialties
Section	079200	Joint Sealants

Project Specific Clarifications:

1. Provide dumpsters and rubbish containers for your own work.
2. Provide traffic control measures when required for your work.
3. Regarding Specification Section 06 10 53 – Misc. Rough Carpentry; The Bid Category No. 4 Contractor is responsible for all wood blocking and sheathing required for roof installation including inside parapet wall sheathing, MEP curbs, metal roof copings, roof hatches, etc. This includes any “Densdeck” type sheathing, insulated nail base, plywood required at the inside face of the parapet and plywood/wood blocking at the top of parapet walls. The Bid Category No. 5 Contractor is responsible for wood blocking and plywood within the Metal Stud Walls, plywood attached to metal stud walls (including plywood or wood studs required at window openings including at CMU openings). The Bid Category No. 1 Contractor is responsible for all other wood blocking required in the Contract Document including but not limited to temporary enclosures for winter conditions at all window and door openings.
4. Regarding Specification Section 07 92 00 – Joint Sealants, all contractors are to provide caulking for their work in accordance with the Contract Documents. In general, the Contractor whose work creates the joint to be caulked (in the normal sequence of work) is to provide the joint sealant.
5. Coordinate all roof openings, sleeves, etc. with the MEP/FP Contractors.
6. Provide drinking water, hand washing stations and hand sanitizer for your labor force.

E. BID CATEGORY NO. 5 – METAL STUDS/DRYWALL/ACOUSTICAL

General requirements in Paragraph 3.02.B above.

Section	012100	Allowances
Section	01 52 60	Rubbish Container
Section	018300.99	Facility Shell Performance Requirements
Section	054000	Cold-Formed Metal Framing
Section	061053	Miscellaneous Rough Carpentry
Section	061600	Sheathing
Section	072100	Thermal Insulation
Section	074212.23	Metal Composite Material Wall Panels
Section	074213.13	Formed Metal Wall Panels
Section	072419	Water-Drainage Exterior Insulation and Finish System (EIFS)

Section	079200	Joint Sealants
Section	078446	Fire-Resistive Joint Systems
Section	092216	Non-Structural Metal Framing
Section	092900	Gypsum Board
Section	095113	Acoustical Panel Ceilings
Section	095423	Linear Metal Ceilings

Project Specific Clarifications:

1. Provide dumpsters and rubbish containers for your own work.
2. Provide traffic control measures when required for your work.
3. Regarding Specification Section 06 10 53 – Misc. Rough Carpentry; The Bid Category No. 4 Contractor is responsible for all wood blocking and sheathing required for roof installation including inside parapet wall sheathing, MEP curbs, metal roof copings, roof hatches, etc. This includes any “Densdeck” type sheathing or plywood required at the inside face and top of parapet walls. The Bid Category No. 5 Contractor is responsible for wood blocking and plywood within the Metal Stud Walls, plywood attached to metal stud walls (including plywood or wood studs required at window openings). The Bid Category No. 1 Contractor is responsible for all other wood blocking required in the Contract Document including but not limited to temporary enclosures for winter conditions at all window and door openings.
4. Regarding Specification Section 07 92 00 – Joint Sealants, all contractors are to provide caulking for their work in accordance with the Contract Documents. In general, the Contractor whose work creates the joint to be caulked (in the normal sequence of work) is to provide the joint sealant.
5. Bid Category No. 1 Contractor is responsible for joint sealant at hollow metal frames installed within masonry openings; Bid Category No. 5 Contractor is responsible for joint sealant at hollow metal frames installed within drywall partitions.
6. Coordinate all required wall openings with the MEP Contractors.
7. Include 250 carpenter man hours for use at the discretion of the Construction Manager.
8. Breakdown/remove all crates and pallets from the building on a weekly basis and place same inside dumpsters provided by Bid Category No. 5 Contractor.
9. Provide drinking water, hand washing stations and hand sanitizer for your labor force.
10. The Bid Category No. 2 Contractor shall provide vapor barrier/cavity wall insulation system behind all brick veneer and formed metal wall panels areas. Coordinate with the Bid Category No. 2 Contractor.

F. BID CATEGORY NO. 6 – GLASS & GLAZING

General Requirements in Paragraph 3.02.B above.

Section	012100	Allowances
Section	018300.99	Facility Shell Performance Requirements
Section	079200	Joint Sealants
Section	084113	Aluminum-Framed Entrances and Storefronts
Section	084126	All-Glass Entrances and Storefronts

Section	084413	Glazed Aluminum Curtain Walls
Section	085113	Aluminum Windows
Section	087100	Door Hardware
Section	088000	Glazing
Section	088813	Fire-Resistant Glazing

Project Specific Clarifications:

1. Provide traffic control measures when required for your work.
2. Regarding Specification Section 07 92 00 – Joint Sealants, all contractors are to provide caulking for their work in accordance with the Contract Documents. In general, the Contractor whose work creates the joint to be caulked (in the normal sequence of work) is to provide the joint sealant.
3. Bid Category No. 6 Contractor shall provide all hardware required for aluminum/glass doors that are included within their scope of work. Bid Category No. 1 Contractor shall furnish permanent cores for these doors for installation by Bid Category No. 6 Contractor.
4. The Owner shall demo/remove/dispose of all exterior windows at Northwestern Elementary School which are scheduled for replacement. The Owner will demo/remove six (6) windows per day and install temporary re-usable enclosures. Bid Category No. 6 Contractor shall remove temporary enclosures and turn them over to the Owner each day. Bid Category No. 6 Contractor shall install six (6) new windows, including glazing, each working day. Window replacement work shall be completed during the Summer of 2024.
5. Provide drinking water, hand washing stations and hand sanitizer for your labor force.
6. Breakdown/remove all crates and pallets from the building on a weekly basis and place same inside dumpsters provided by Bid Category No. 1 Contractor.

G. BID CATEGORY NO. 7 - PAINTING

General Requirements in Paragraph 3.02.B above.

Section	012100	Allowances
Section	079200	Joint Sealants
Section	099123.99	Interior Painting
Section	099600.99	High Performance Coatings

Project Specific Clarifications:

1. Breakdown/remove all crates and pallets from the building on a weekly basis and place same inside dumpsters provided by Bid Category No. 1 Contractor.
2. Include 300 painter man hours and \$2,500 material allowance for use at the discretion of the Construction Manager. At the end of the project all unused manhours will be converted to a dollar amount (including fringes) and returned to the Owner via Deduct Change Order. Track with work tickets signed daily by the Skillman site manager for documentation.
3. Provide drinking water, hand washing stations and hand sanitizer for your labor force.

H. **BID CATEGORY NO. 8 – FLOORING**

General Requirements in Paragraph 3.02.B above.

Section	012100	Allowances
Section	079200	Joint Sealants
Section	093000	Tiling
Section	096513	Resilient Base and Accessories
Section	096519	Resilient Tile Flooring
Section	096813	Tile Carpeting

Project Specific Clarifications:

1. Provide traffic control measures when required for your work.
2. Breakdown/remove all crates and pallets from the building on a weekly basis and place same inside dumpsters provided by Bid Category No. 1 Contractor.
3. Provide drinking water, hand washing stations and hand sanitizer for your labor force.
4. The Owner shall be responsible for the removal of all loose furniture.
5. The Owner's abatement contractor will mechanically remove the existing flooring materials and chemically remove the mastic. Refer to the Environmental Survey Reports issued in Addendum No. 3 for the location of all rooms scheduled for flooring abatement. The Bid Category No. 8 Contractor shall provide surface preparation and primer system suitable for use over a chemically abated floor as required for proper adhesion and warranty.

I. **BID CATEGORY NO. 9 - CASEWORK**

General Requirements in Paragraph 3.02.B above.

Section	012100	Allowances
Section	064023	Interior Architectural Woodwork
Section	079200	Joint Sealants
Section	123200	Manufactured Wood Casework
Section	123553	Laboratory Casework
Section	123661.16	Solid Surfacing Countertops

Project Specific Clarifications:

1. Provide traffic control measures when required for your work.
2. Breakdown/remove all crates and pallets from the building on a weekly basis and place same inside dumpsters provided by Bid Category No. 1 Contractor.
3. Provide drinking water, hand washing stations and hand sanitizer for your labor force.

J. **BID CATEGORY NO. 10 - PLAYGROUND**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	033000	Cast-In-Place Concrete
Section	116800	Play Field Equipment and Structures
Section	321816.13	Playground Protective Surfacing

Project Specific Clarifications:

1. Provide traffic control measures when required for your work.
2. Bid Category No. 1 Contractor shall remove and dispose of existing playground equipment, curbs, foundations, mulch, etc. which are scheduled for demolition. Bid Category No. 1 Contractor shall install new concrete curbs around the playgrounds as indicated, cut or fill within the playground areas to bring the subgrade to the design elevations indicated. Bid Category No. 10 Contractor shall provide engineered wood fiber border and mulch, 4" collector drain piping, compacted stone subbase, poured in place surfacing, playground equipment foundations (including spoil removal), and playground equipment.
3. Breakdown/remove all crates and pallets from the building on a weekly basis and place same inside dumpsters provided by Bid Category No. 1 Contractor.
4. Provide drinking water, hand washing stations and hand sanitizer for your labor force.

K. BID CATEGORY NO. 11 – FIRE PROTECTION

General Requirements in Paragraph 3.02.B above.

Section	012100	Allowances
Section	078413	Penetration Firestopping
Section	210517	Sleeves and Sleeve Seals for Fire-Suppression Piping
Section	210518	Escutcheons for Fire-Suppression Piping
Section	210523	General-Duty Valves for Water-Based Fire-Suppression Piping
Section	211200	Fire-Suppression Standpipes
Section	211313	Wet-Pipe Sprinkler Systems

Project Specific Clarifications:

1. Provide housekeeping pads for your own work/equipment.
2. Provide cut, cap, make safe and demolition for Fire Protection systems scheduled for demolition and/or modification. Remove debris to dumpsters provided by Bid Category No. 1 Contractor.
3. Breakdown/remove all crates and pallets from the building on a weekly basis and place same inside dumpsters provided by Bid Category No. 1 Contractor.
4. Provide drinking water, hand washing stations and hand sanitizer for your labor force.

L. BID CATEGORY NO. 12 – MECHANICAL & PLUMBING NORTHWESTERN ELEMENTARY SCHOOL AND HOWARD ELEMENTARY SCHOOL

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 51 30	Temporary Heating, Ventilation and Cooling
Section	01 51 50	Temporary Water
Section	078413	Penetration Firestopping
Section	079200	Joint Sealants
Section	220517	Sleeves and Sleeve Seals for Plumbing Piping

Section	220518	Escutcheons for Plumbing Piping
Section	220519	Meters and Gages for Plumbing Piping
Section	220523.12	Ball Valves for Plumbing Piping
Section	220523.13	Butterfly Valves for Plumbing Piping
Section	220523.14	Check Valves for Plumbing Piping
Section	220529	Hangers and Supports for Plumbing Piping and Equipment
Section	220553	Identification for Plumbing Piping and Equipment
Section	220719	Plumbing Piping Insulation
Section	221116	Domestic Water Piping (Building)
Section	221119	Domestic Water Piping Specialties
Section	221123.99	Plumbing Pumps
Section	221313	Facility Sanitary Sewers (Site)
Section	221316	Sanitary Waste, Storm, and Vent Piping (Building)
Section	221319	Sanitary Waste Piping Specialties
Section	221423	Storm Drainage Piping Specialties
Section	221513	General-Service Compressed-Air Piping
Section	221519	General-Service Packaged Air Compressors and Receivers
Section	223100	Domestic Water Softeners
Section	223300	Electric, Domestic-Water Heaters
Section	223400	Fuel-Fired, Domestic-Water Heaters
Section	224100	Residential Plumbing Fixtures
Section	224213.13	Commercial Water Closets
Section	224213.16	Commercial Urinals
Section	224216.13	Commercial Lavatories
Section	224216.16	Commercial Sinks
Section	224223	Commercial Showers
Section	224500	Emergency Plumbing Fixtures
Section	224716	Pressure Water Coolers
Section	226315.99	Emergency Gas Shut-Off System
Section	226600	Chemical-Waste Systems for Laboratory and Healthcare Facilities
Section	230130.51	HVAC Air-Distribution System Cleaning
Section	230500	Common Work Results for HVAC
Section	230513	Common Motor Requirements for HVAC Equipment
Section	230516	Expansion Fittings and Loops for HVAC Piping
Section	230519	Meters and Gages for HVAC Piping
Section	230523	General-Duty Valves for HVAC Piping
Section	230529	Hangers and Supports for HVAC Piping and Equipment
Section	230553	Identification for HVAC Piping and Equipment
Section	230593	Testing, Adjusting, And Balancing For HVAC
Section	230713	Duct Insulation
Section	230716	HVAC Equipment Insulation
Section	230719	HVAC Piping Insulation

Section	230900.99	Direct Digital Control Systems
Section	231123	Facility Natural-Gas Piping System
Section	232113	Hydronic Piping
Section	232116	Hydronic Piping Specialties
Section	232123	Hydronic Pumps
Section	232300	Refrigerant Piping
Section	232513	Water Treatment for Closed-Loop Hydronic Systems
Section	233113	Metal Ducts
Section	233300	Air Duct Accessories
Section	233423	HVAC Power Ventilators
Section	233423.99	Dust Collection System
Section	233600	Air Terminal Units
Section	233713.99	Diffusers, Registers, And Grilles
Section	233723	HVAC Gravity Ventilators
Section	236426.21	Air-Cooled, Rotary-Screw Water Chillers
Section	237323.99	VAV Custom Air Handling Units
Section	238126.99	Variable Capacity Split Cooling Only Air Conditioning
Section	238143.99	Air-Source Unitary Heat Pumps
Section	238219	Fan Coil Units
Section	238223.98	Vertical Unit Ventilators
Section	238236	Hydronic Radiant Ceiling Panels
Section	238239	Unit Heaters
Section	238239.16	Propeller Unit Heaters
Section	262923	Variable-Frequency Motor Controllers

Project Specific Clarifications:

1. Provide traffic control measures when required for your work.
2. Provide housekeeping pads for your own work/equipment.
3. Provide all saw cutting, concrete demolition, excavation, backfill and concrete infills for your work. All spoils and debris from excavation work generated by Bid Category No. 12 Contractor shall be removed from site by Bid Category No. 12.
4. Provide cut, cap, make safe and demolition for Plumbing and Mechanical systems scheduled for demolition. Remove debris to dumpsters provided by Bid Category No. 1 Contractor.
5. Underground storm and sanitary lines will be installed to a point five (5) feet outside foundation walls by Bid Category No. 1 Contractor. All work from this point shall be by Bid Category No. 12 Contractor.
6. Seal all penetrations around your work that passes through walls, floors, and roofs.
7. Breakdown/remove all crates and pallets from the building on a weekly basis and place same inside dumpsters provided by Bid Category No. 1 Contractor.
8. All spoils from excavation work generated by Bid Category No. 12 Contractor shall be removed from site by Bid Category No. 12 Contractor.
9. Bid Category No. 12 Contractor is responsible for planning/coordinating their underground sanitary work so that the existing sanitary lines from the adjacent

- buildings remain fully functional at all times.
10. Provide 120V power to all Temperature Control/BAS panels including conduit, conductors, final connections, etc.
 11. Furnish all Variable Frequency Motor Controllers required for Mechanical Equipment; installation shall be by Bid Category No. 14 Contractor.
 12. Provide drinking water, hand washing stations and hand sanitizer for your labor force.

M. BID CATEGORY NO. 13 – MECHANICAL & PLUMBING NORTHWESTERN MIDDLE SCHOOL AND NORTHWESTERN HIGH SCHOOL

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 51 30	Temporary Heating, Ventilation and Cooling
Section	01 51 50	Temporary Water
Section	078413	Penetration Firestopping
Section	079200	Joint Sealants
Section	220517	Sleeves and Sleeve Seals for Plumbing Piping
Section	220518	Escutcheons for Plumbing Piping
Section	220519	Meters and Gages for Plumbing Piping
Section	220523.12	Ball Valves for Plumbing Piping
Section	220523.13	Butterfly Valves for Plumbing Piping
Section	220523.14	Check Valves for Plumbing Piping
Section	220529	Hangers and Supports for Plumbing Piping and Equipment
Section	220553	Identification for Plumbing Piping and Equipment
Section	220719	Plumbing Piping Insulation
Section	221116	Domestic Water Piping (Building)
Section	221119	Domestic Water Piping Specialties
Section	221123.99	Plumbing Pumps
Section	221313	Facility Sanitary Sewers (Site)
Section	221316	Sanitary Waste, Storm, and Vent Piping (Building)
Section	221319	Sanitary Waste Piping Specialties
Section	221423	Storm Drainage Piping Specialties
Section	221513	General-Service Compressed-Air Piping
Section	221519	General-Service Packaged Air Compressors and Receivers
Section	223100	Domestic Water Softeners
Section	223300	Electric, Domestic-Water Heaters
Section	223400	Fuel-Fired, Domestic-Water Heaters
Section	224100	Residential Plumbing Fixtures
Section	224213.13	Commercial Water Closets
Section	224213.16	Commercial Urinals
Section	224216.13	Commercial Lavatories
Section	224216.16	Commercial Sinks
Section	224223	Commercial Showers
Section	224500	Emergency Plumbing Fixtures

Section	224716	Pressure Water Coolers
Section	226315.99	Emergency Gas Shut-Off System
Section	226600	Chemical-Waste Systems for Laboratory and Healthcare Facilities
Section	230130.51	HVAC Air-Distribution System Cleaning
Section	230500	Common Work Results for HVAC
Section	230513	Common Motor Requirements for HVAC Equipment
Section	230516	Expansion Fittings and Loops for HVAC Piping
Section	230519	Meters and Gages for HVAC Piping
Section	230523	General-Duty Valves for HVAC Piping
Section	230529	Hangers and Supports for HVAC Piping and Equipment
Section	230553	Identification for HVAC Piping and Equipment
Section	230593	Testing, Adjusting, And Balancing for HVAC
Section	230713	Duct Insulation
Section	230716	HVAC Equipment Insulation
Section	230719	HVAC Piping Insulation
Section	230900.99	Direct Digital Control Systems
Section	231123	Facility Natural-Gas Piping System
Section	232113	Hydronic Piping
Section	232116	Hydronic Piping Specialties
Section	232123	Hydronic Pumps
Section	232300	Refrigerant Piping
Section	232513	Water Treatment for Closed-Loop Hydronic Systems
Section	233113	Metal Ducts
Section	233300	Air Duct Accessories
Section	233423	HVAC Power Ventilators
Section	233423.99	Dust Collection System
Section	233600	Air Terminal Units
Section	233713.99	Diffusers, Registers, and Grilles
Section	233723	HVAC Gravity Ventilators
Section	236426.21	Air-Cooled, Rotary-Screw Water Chillers
Section	237323.99	VAV Custom Air Handling Units
Section	238126.99	Variable Capacity Split Cooling Only Air Conditioning
Section	238143.99	Air-Source Unitary Heat Pumps
Section	238219	Fan Coil Units
Section	238223.98	Vertical Unit Ventilators
Section	238236	Hydronic Radiant Ceiling Panels
Section	238239	Unit Heaters
Section	238239.16	Propeller Unit Heaters
Section	262923	Variable-Frequency Motor Controllers

Project Specific Clarifications:

1. Provide traffic control measures when required for your work.

2. Provide housekeeping pads for your own work/equipment.
3. Provide all saw cutting, concrete demolition, excavation, backfill and concrete infills for your work. All spoils and debris from excavation work generated by Bid Category No. 13 Contractor shall be removed from site by Bid Category No. 13.
4. Provide cut, cap, make safe and demolition for Plumbing and Mechanical systems scheduled for demolition. Remove debris to dumpsters provided by Bid Category No. 1 Contractor.
5. Underground storm and sanitary lines will be installed to a point five (5) feet outside foundation walls by Bid Category No. 1 Contractor. All work from this point shall be by Bid Category No. 13 Contractor.
6. Seal all penetrations around your work that passes through walls, floors, and roofs.
7. Breakdown/remove all crates and pallets from the building on a weekly basis and place same inside dumpsters provided by Bid Category No. 1 Contractor.
8. All spoils from excavation work generated by Bid Category No. 13 Contractor shall be removed from site by Bid Category No. 13 Contractor.
9. Bid Category No. 13 Contractor is responsible for planning/coordinating their underground sanitary work so that the existing sanitary lines from the adjacent buildings remain fully functional at all times.
10. Provide 120V power to all Temperature Control/BAS panels including conduit, conductors, final connections, etc.
11. Furnish all Variable Frequency Motor Controllers required for Mechanical Equipment; installation shall be by Bid Category No. 14 Contractor.
12. Provide drinking water, hand washing stations and hand sanitizer for your labor force.

N. BID CATEGORY NO. 14 – ELECTRICAL & TECHNOLOGY

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 51 10	Temporary Electricity, Lighting and Warning Systems
Section	078413	Penetration Firestopping
Section	260500	Common Work Results for Electrical
Section	260510	Electrical Demolition
Section	260519	Low-Voltage Electrical Power Conductors and Cables
Section	260526	Grounding and Bonding for Electrical Systems
Section	260529	Hangers and Supports for Electrical Systems
Section	260533	Raceways and Boxes for Electrical Systems
Section	260543	Underground Ducts and Utility Structures for Electrical Systems
Section	260544	Sleeves and Sleeve Seals for Electrical Raceways and Cabling
Section	260553	Identification for Electrical Systems
Section	260573	ARC Flash Study
Section	260923	Lighting Control Devices

Section	262213	Low-Voltage Distribution Transformers
Section	262413	Switchboards
Section	262416	Panelboards
Section	262726	Wiring Devices
Section	262813	Fuses
Section	262816	Enclosed Switches and Circuit Breakers
Section	262913	Enclosed Controllers
Section	262923	Variable-Frequency Motor Controllers
Section	265119	LED Interior Lighting
Section	265213	Emergency and Exit Lighting
Section	265613	Lighting Poles and Standards
Section	265619	LED Exterior Lighting
Section	270528	Pathways for Communications Systems
Section	271100	Communications Equipment Room Fittings
Section	271300	Communications Backbone Cabling
Section	271513	Communications Copper Horizontal Cabling
Section	271600.99	Communications Cabling Demolition
Section	271700.99	Telecommunications Grounding and Bonding
Section	275123.99	Intercommunications System
Section	277710.99	Audio/Video Systems
Section	281300.99	Electronic Access Control System (ACS)
Section	284621	Addressable Fire-Alarm Systems

Project Specific Clarifications:

1. Provide traffic control measures when required for your work.
2. Provide housekeeping pads for your own work/equipment.
3. Provide cut, cap, make safe and demolition for Electrical/Technology systems scheduled for demolition. Remove debris to dumpsters provided by Bid Category No. 1 Contractor.
4. All spoils from excavation work generated by Bid Category No. 14 Contractor shall be removed from site by Bid Category No. 14 Contractor.
5. Receive, hoist, distribute and install all Variable Frequency Controllers furnished by Bid Category No. 13 Contractor.
6. Include a \$25,000 allowance for installation of exit signs, additional lighting, etc. as required by installation of temporary partitions due to phased construction.
7. Seal all penetrations around your work that passes through walls, floors, and roofs.
8. Breakdown/remove all crates and pallets from the building on a weekly basis and place same inside dumpsters provided by Bid Category No. 1 Contractor.
9. Provide drinking water, hand washing stations and hand sanitizer for your labor force.
10. Include a separate \$10,000 allowance to disconnect the existing food service equipment within the Northwestern Elementary School Kitchen. Reconnect same after the equipment has been moved back in place at the completion of the new flooring work. Removal and reinstallation of the equipment shall be by others.

END OF SECTION 01 12 00