

SECTION 00 02 00 - NOTICE TO BIDDERS

NOTICE TO BIDDERS

Notice is hereby given that sealed bids will be received:

By: Kalamazoo Public Schools
1220 Howard Street
Kalamazoo, MI 49008

For: Loy Norrix High School & Kalamazoo Central High School Chiller Installation

606 East Kilgore Road 2432 North Drake Road
Kalamazoo, MI 49001 Kalamazoo, MI 49006

At: Kalamazoo Facilities Management Office, 600 W. Vine Street, Kalamazoo, MI 49008

Until: 2:00 pm (local time), February 22, 2022

Bid Opening: Bids will be publicly opened and read aloud at 2:05 pm (local time), in the Facilities Office, 600 W. Vine Street, Kalamazoo, MI 49008, and via Microsoft Teams.

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

[+1 317-762-3960,,682581988#](#) United States, Indianapolis

Phone Conference ID: 682 581 988#

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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:

The Skillman Plan Room

www.skillmanplanroom.com

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:

Kal-Blue, 914 East Vine Street, Kalamazoo, MI 49001 Phone 269-349-8681

A Pre-Bid Conference will be held on February 9, 2022, at 10:00 am, local time, at Loy Norrix High School, 606 East Kilgore Road, Kalamazoo, MI 49001. Attendance by bidders is optional, but recommended, in order to clarify or answer questions concerning the Drawings and Project Manual for the Project.

Microsoft Teams meeting

Join on your computer or mobile app

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Or call in (audio only)

[+1 317-762-3960,,142789444#](#) United States, Indianapolis

Phone Conference ID: 142 789 444#

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Bid security in the amount of five percent (5%) of the Bid must accompany each Bid in accordance with the Instructions to Bidders.

All proposals shall be accompanied by a sworn and notarized statement disclosing any familial relationship (or lack of relationship) that exists between the owner or any employee of the bidder and any member of the Board of Education of the Kalamazoo Public Schools or the Superintendent of the School District. The District shall not accept a bid that does not include a sworn and notarized disclosure statement.

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 Kalamazoo Public Schools. Contractors are advised that the Contract as finally entered into with any successful Bidder shall be entered into with the Kalamazoo Public School.

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 **120** days before awarding contracts.

Kalamazoo Public Schools

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.

- E. 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.

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.

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. 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 the Contractors Work. Fees to relocate utilities on Owner's property shall be included in the bid of the Contractor doing the relocation.
 - 1. The Owner shall pay for the cost of the Building Permit.
 - 2. 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. Prime Contractors must furnish a letter to the Construction Manager, stating that Contractor shall not assign any of its employees, agents or other individuals to perform any services in the District's facilities or program sites if that individual:
 - 1. Is listed on the Michigan Sex Offender Registry, www.mipsor.state.mi.us.
 - 2. Is listed on the Federal Sex Offender Registry www.nsopw.gov.
 - 3. Has not passed a 5-50 drug screen, testing negative for the following drugs:
 - a. Amphetamines
 - b. Methamphetamines
 - c. Cocaine
 - d. Codeine
 - e. Methadone
 - f. Morphine
 - g. Phencyclidine (PCP)
 - h. Marijuana
- D. 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. Stickers will be

numbered, and numbers assigned to each worker to be worn on their hardhat. It is the Contractor's responsibility to maintain a record of contractor's name assigned each number and provide to The Construction Manager upon request.

- E. Consistent with Michigan law, possession or consumption of drugs on school property will promptly be reported to the local police. Consumption of alcoholic beverages or tobacco or other noxious behavior on school owned property is strictly prohibited. Violators shall be promptly removed from the site. Smoking is not permitted on school property or within school buildings.

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 **41** calendar days after receipt of bids.
 2. Construction shall be complete within **168** consecutive calendar days, or earlier, after Notice to Proceed.

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 00S	Masonry Inspection Report
Section	01 45 10	Testing Laboratory Services
Section	01 71 50	Final Cleaning
Section	01 51 60	Temporary Sanitary Facilities

B. PROVIDED BY ALL CONTRACTORS AS APPLICABLE

Section	01 12 00	Multiple Contract Summary
Section	01 23 00	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 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.

All contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor, however, at a minimum your site personnel will be required to use this product to facilitate communication. PlanGrid will be used for the current construction documentation to include, current set, addenda, ASI, As Built Conditions, QA/QC, and Punch List. Visit the www.PlanGrid.com to determine subscription pricing. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents

C. **PROVIDED BY DESIGNATED CONTRACTORS**

Section	01 21 00	Allowances
Section	01 51 10	Temporary Electricity, Lighting and Warning Systems
Section	01 51 80	Temporary Fire Protection
Section	01 52 10	Construction Aids and Temporary Enclosures
Section	01 52 60	Rubbish Container

3.03 **BID CATEGORIES**

A. **BID CATEGORY NO. 1 – GENERAL TRADES (LOY NORRIX)**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 51 10	Temporary Electricity, Lighting and Warning Systems
Section	01 51 80	Temporary Fire Protection
Section	01 52 10	Construction Aids and Temporary Enclosures
Section	01 52 60	Rubbish Container
Section	02 41 19	Selective Demolition
Section	03 01 30	Maintenance Of Cast-In-Place Concrete
Section	03 30 00	Cast-In-Place Concrete
Section	05 50 00	Metal Fabrications
Section	07 84 13	Penetration Firestopping
Section	07 92 00	Joint Sealants
Section	26 05 00	Common Work Results For Electrical
Section	26 05 19	Low-Voltage Electrical Power Conductors And Cables
Section	26 05 26	Grounding And Bonding For Electrical Systems
Section	26 05 29	Hangers And Supports For Electrical Systems
Section	26 05 33	Raceways And Boxes For Electrical Systems
Section	26 05 44	Sleeves And Sleeve Seals For Electrical Raceways And Cabling
Section	26 05 53	Sleeves And Sleeve Seals For Electrical

		Raceways And Cabling
Section	26 05 73	Coordination Studies
Section	26 05 73	Short-Circuit Studies
Section	26 05 74	Overcurrent Protective Device Arc-Flash Study
Section	26 24 16	Panelboards
Section	26 27 26	Wiring Devices
Section	26 28 13	Fuses
Section	26 28 16	Enclosed Switches And Circuit Breakers
Section	26 29 13	Enclosed Controllers
Section	26 29 23	Variable frequency motor controllers (gs)
Section	26 43 13	Surge Protection For Low-Voltage Electrical Power Circuits

Clarifications:

1. Provide all work associated with slab repair, prepping and sealing concrete at mechanical mezzanine including but not limited to cleaning, epoxy adhesive application, pipe sleeve removal, caulking edges of concrete slab to adjoining walls, formwork for dry packing grout, waterproofing repair, removal, and reinstallation of transformer, etc.
2. Provide structural steel work to accommodate new chiller installation.
3. Provide removal of existing equipment pads and installation of new concrete pads for mechanical equipment.

B. BID CATEGORY NO. 2 – GENERAL TRADES (KALAMAZOO CENTRAL)

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 51 10	Temporary Electricity, Lighting and Warning Systems
Section	01 51 80	Temporary Fire Protection
Section	01 52 10	Construction Aids and Temporary Enclosures
Section	01 52 60	Rubbish Container
Section	02 41 19	Selective Demolition
Section	03 30 00	Cast-In-Place Concrete
Section	04 22 00	Concrete Unit Masonry
Section	07 84 13	Penetration Firestopping
Section	07 92 00	Joint Sealants
Section	26 05 00	Common Work Results For Electrical
Section	26 05 19	Low-Voltage Electrical Power Conductors And Cables
Section	26 05 26	Grounding And Bonding For Electrical Systems
Section	26 05 29	Hangers And Supports For Electrical Systems
Section	26 05 33	Raceways And Boxes For Electrical Systems
Section	26 05 44	Sleeves And Sleeve Seals For Electrical Raceways And Cabling
Section	26 05 53	Identification For Electrical Systems
Section	26 05 73	Coordination Studies

Section	26 05 73	Short-Circuit Studies
Section	26 05 74	Overcurrent Protective Device Arc-Flash Study
Section	26 24 16	Panelboards
Section	26 27 26	Wiring Devices
Section	26 28 13	Fuses
Section	26 28 16	Enclosed Switches And Circuit Breakers
Section	26 29 13	Enclosed Controllers
Section	26 29 23	Variable Frequency Motor Controllers (Gs)
Section	26 43 13	Surge Protection For Low-Voltage Electrical Power Circuits
Section	31 10 00	Site Clearing
Section	31 20 00	Earth Moving
Section	32 13 13	Concrete Paving
Section	32 13 73	Concrete Paving Joint Sealants
Section	32 31 13	Chain Link Fences And Gates

C. BID CATEGORY NO. 3 – MECHANICAL (LOY NORRIX)

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 91 13	General Commissioning Requirements
Section	22 05 00	Common Work Results For Plumbing
Section	22 05 23	General Duty Valves For Plumbing Piping (2&less)
Section	22 05 29	Hangers And Supports For Plumbing Piping And Equipment
Section	22 07 00	Plumbing Insulation
Section	22 11 16	Domestic Water Piping
Section	22 11 19	Domestic Water Piping Specialties
Section	22 13 16	Sanitary Waste And Vent Piping
Section	22 13 19	Sanitary Waste Piping Specialties
Section	23 05 00	Common Work Results For HVAC
Section	23 05 13	Common Motor Requirements For HVAC Equipment
Section	23 05 19	Meters And Gages For HVAC Piping
Section	23 05 23	General-Duty Valves For HVAC Piping (2&Larger)
Section	23 05 29	Hangers And Supports For HVAC Piping And Equipment
Section	23 05 53	Identification For HVAC Piping And Equipment
Section	23 05 93	Testing, Adjusting, And Balancing For HVAC (Best Updated)
Section	23 07 00	HVAC Insulation
Section	23 08 00	Commissioning Of HVAC
Section	23 09 00	Instrumentation And Control For HVAC (tridium N4)
Section	23 21 13	Hydronic Piping (htg clg)

Section	23 21 23	Hydronic Pumps
Section	23 25 00	HVAC Water Treatment
Section	23 64 26	Rotary Screw Water Chillers

Clarifications:

1. Chiller and Pump have been pre-purchased under separate contract. Chiller and Pump will be delivered on truck to the site. Provide all work associated with installation of equipment including unloading of equipment from the delivery vehicle and placing it in final location.
2. Bid Category No.1 General Trades (Loy Norrix) will provide removal of existing equipment pads and installation of new concrete pads for mechanical equipment.
3. Freon refrigerant will be evacuated from existing equipment by Kalamazoo Public Schools prior to work commencement.

D. BID CATEGORY NO. 4 – MECHANICAL (KALAMAZOO CENTRAL)

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 84 13	Penetration Firestopping
Section	07 92 00	Joint Sealants
Section	22 05 00	Common Work Results For Plumbing
Section	22 05 23	General Duty Valves For Plumbing Piping (2&less)
Section	22 05 29	Hangers And Supports For Plumbing Piping And Equipment
Section	22 07 00	Plumbing Insulation
Section	22 11 16	Domestic Water Piping
Section	22 11 19	Domestic Water Piping Specialties
Section	23 05 00	Common Work Results For HVAC
Section	23 05 13	Common Motor Requirements For HVAC Equipment
Section	23 05 19	Meters And Gages For HVAC Piping
Section	23 05 23	General-Duty Valves For HVAC Piping (2&larger)
Section	23 05 29	Hangers And Supports For HVAC Piping And Equipment
Section	23 05 53	Identification For HVAC Piping And Equipment
Section	23 05 93	Testing, Adjusting, And Balancing For HVAC (best updated)
Section	23 07 00	HVAC Insulation
Section	23 08 00	Commissioning Of HVAC
Section	23 09 00	Instrumentation And Control For HVAC (tridium N4)
Section	23 21 13	Hydronic Piping (htg clg)
Section	23 21 23	Hydronic Pumps
Section	23 25 00	HVAC Water Treatment
Section	23 64 26	Rotary Screw Water Chillers

Clarifications:

1. Chillers and Pumps have been pre-purchased under separate contract. Chiller and Pump will be delivered on truck to the site. Provide all work associated with installation of equipment including unloading of equipment from the delivery vehicle and placing it in final location.
2. Bid Category No.2 General Trades (Kalamazoo Central) will provide removal of existing equipment pads and installation of new concrete pads for mechanical equipment.
3. Freon refrigerant will be evacuated from existing equipment by Kalamazoo Public Schools prior to work commencement.

END OF SECTION 01 12 00