

## **SECTION 00 02 00 - NOTICE TO BIDDERS**

### **NOTICE TO BIDDERS**

Notice is hereby given that sealed bids will be received:

By: Carmel Clay Schools  
5201 East Main Street  
Carmel, IN 46033

For: Carmel High School Natatorium Addition - Re-Bid of Roof Package  
520 East Main Street  
Carmel, IN 46032

At: Carmel Clay Schools Transportation Building  
5185 E. Main Street  
Carmel, IN 46033

Until: 2:00PM (Local Time), June 15, 2022

Bid Opening: Bids will be publicly opened and read aloud at 2:00PM (local time), in the Carmel Educational Services Center, 5201 E. Main Street, Carmel, IN 46033

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](http://www.skillmanplanroom.com)

Prime and Non-Prime Contract Bidders must place an order on [www.skillmanplanroom.com](http://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.

**A Pre-Bid Conference will be held on June 1, 2022 at 2:00PM, local time, at Carmel Clay Schools Transportation Building, 5185 East Main Street, Carmel, IN 46033.**

Attendance by bidders is optional, but recommended, in order to clarify or answer questions concerning the Drawings and Project Manual for the 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 **Carmel Clay Schools**. 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.

Carmel Clay Schools  
By: Todd Fenoglio, Director of Facilities

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. General: During the construction period, the Prime Contractors jointly shall have full use of the premises for construction operations, including use of the site. Each Prime Contractor's use of the premises is limited only by the Owner's right to perform work or to retain other Contractors on portions of the Project.
- 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.
  6. *(List other items as may be applicable).*

#### **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 Badges 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 (4<sup>th</sup>) 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](http://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 4<sup>th</sup> 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 08 20 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 **90** calendar days after receipt of bids.
  - 2. Construction shall be complete within **1,035** 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 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 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.

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](http://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](http://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 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

### **3.03 BID CATEGORIES**

#### **A. BID CATEGORY NO. 1 – GENERAL TRADES**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
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	02 41 19	Selective Demolition
Section	03 06 30.01	Concrete Schedule
Section	03 30 00	Cast-in-Place Concrete
Section	03 63 30	Rammed Aggregate Piers
Section	05 50 00	Metal Fabrications
Section	05 58 13	Column Covers
Section	05 73 00	Decorative Metal Railings
Section	05 73 13	Glazed Decorative Metal Railings
Section	06 10 00	Rough Carpentry
Section	06 20 23	Interior Finish Carpentry
Section	06 61 16	Solid Surface Fabrications
Section	07 11 13	Bituminous Damp proofing

Section	07 13 00	Sheet Waterproofing
Section	07 16 16	Crystalline Waterproofing
Section	07 21 00	Thermal Insulation
Section	07 81 00	Applied Fireproofing
Section	07 91 00	Preformed Joint Seals
Section	07 92 00	Joint Sealants
Section	07 95 13.13	Interior Expansion Joint Cover Assemblies
Section	08 12 13	Hollow Metal Frames
Section	08 14 16	Flush Wood Doors
Section	08 31 13	Access Doors and Frames
Section	08 33 13	Coiling Counter Doors
Section	08 33 23	Overhead Coiling Doors
Section	08 71 00	Door Hardware
Section	08 91 19	Fixed Louvers
Section	09 67 10	Fluid Applied Epoxy/Urethane System
Section	09 67 23	Decorative Resinous Flooring
Section	10 11 00	Visual Display Units
Section	10 12 00.16	Custom Display Cases (as applicable)
Section	10 21 13.17	Phenolic Toilet Compartments
Section	10 28 00	Toilet, Bath, and Laundry Accessories
Section	10 43 13	Defibrillator Cabinets
Section	10 44 13	Fire Extinguisher Cabinets
Section	10 44 16	Fire Extinguishers
Section	10 51 26	Solid Plastic Lockers
Section	10 82 13	Rooftop Equipment Screens
Section	11 31 00	Appliances
Section	12 24 13	Roller Window Shades
Section	12 32 16	Manufactured Plastic Laminate-Faced (Educational) Casework
Section	12 48 13	Entrance Floor Mats and Frames
Section	12 63 13	Stadium and Arena Seating
Section	12 93 00	Site Furnishings and Amenities
Section	14 24 00	Hydraulic Elevators
Section	31 10 00	Site Clearing
Section	31 20 00	Earth Moving
Section	31 23 19	Dewatering
Section	31 23 23	Flowable Fill
Section	31 25 00	Erosion Control
Section	31 32 00	Geotextile
Section	31 50 00	Excavation Support and Protection
Section	32 12 16	Asphalt Paving
Section	32 13 13	Concrete Paving
Section	32 13 73	Concrete Paving Joint Sealants
Section	32 17 13	Parking Bumpers
Section	32 17 23	Pavement Markings
Section	32 31 13	Chain Link Fences and Gates
Section	32 32 23	Segmental Retaining Walls

Section	32 91 13	Soil Preparation
Section	32 92 00	Turf and Grasses
Section	32 93 00	Plants
Section	33 05 00	Common Work Results for Utilities
Section	33 11 13	Facility Water Distribution Piping
Section	33 13 13	Facility Sanitary Sewers
Section	33 41 00	Storm Utility Drainage Piping
Section	33 46 00	Subdrainage

Bid Category #1 General Clarifications:

1. Regarding any references to "GC" or "General Contractor" indicated on the Contract Documents, this work is the responsibility of the General Trades Contractor.
2. Grouting of base plates by Structural Steel Contractor.
3. Equipment bases, and pads shall be provided by the Contractor installing the equipment.
4. Pool contractor responsible for concrete slab within the pool space as outlined by note 13 on the finish plans.
5. The General Trades Contractor is responsible to remove any dirt and mud that is tracked on roadways daily.
6. The General Trades Contractor is to include sweeping compound, and 500 man-hours for general building and site clean-up or other work to be performed by a skilled laborer at the direction of the Construction Manager throughout the duration of the project. At the end of the project, unused hours will be converted into a dollar amount and returned to the Owner as a deduct Change Order.
7. The General Trades Contractor is responsible to provide the temporary laydown area, remove, and restore the site at the end of the project.
8. The General Trades Contractor is responsible to remove any snow within the construction fencing. All walks and entrances within the construction fence shall be adequately treated with ice melt or sand to prevent ice build-up.
9. General Trades Contractor is responsible to mow the grass and maintain the weeds within the project limits for the duration of the project. General Trades Contractor shall maintain all project limits and fencing clean and free of weeds as directed by the Construction Manager.
10. General Trades Contractor shall supply all door hardware for the aluminum storefronts and aluminum curtainwall to the Aluminum Storefront and Curtainwall Contractor for installation.
11. Electrical Contractor shall provide all final electrical connections, including but not limited to low voltage and power wiring, commissioning, or controls not integral to the hardware.
12. Section 07 21 00 Thermal Insulation that is below grade shall be installed by General Trades Contractor. All other Section 07 21 00 Thermal Insulation shall be installed by Metal Framing, Drywall and Ceilings Contractor.
13. General Trades Contractor shall provide steel road plates to permit access at all utility crossings.

14. The utility services provided by General Trades Contractor shall be coordinated with Utility Companies as necessary.
15. Contractor shall refer to Guideline Schedule and include in their bid all necessary cold weather concrete procedures or admixtures as required to meet schedule.
16. Contractor shall include any sleeves indicated per plans passing through their work.
17. General Trades Contractor is to furnish and install asphalt subbase as outlined in the Guideline Schedule in preparation of installing asphalt binder and surface as soon as temperatures are appropriate.
18. The General Trades Contractor shall daylight (hydro-vacuum excavation) all existing utilities to confirm depths, sizes, and locations, prior to starting or allowing any Contractor to start any excavation work. Other trades shall coordinate with the General Trades Contractor to confirm this work has been completed prior to excavation.
19. All concrete embedded metal fabrications including, but not limited to, anchor bolts, weld plates, angles, and leveling plates, will be furnished by the Structural Steel Contractor and installed by the General Trades Contractor. Installation shall be within required tolerances and anchor bolt assemblies shall be placed with templates only. General Trades Contractor shall supply as-built drawings to steel erector for coordination prior to steel placement.
20. Masonry reinforcement shall be furnished and installed by the Masonry Contractor.
21. All metal bollards and covers shall be furnished by the Structural Steel Contractor for installation by the General Trades Contractor.
22. Section 10 11 00 Factory framed visual display units shall be provided by the General Trades Contractor. Section 10 11 00 wall surface coverings shall be provided by the Painting and Wallcovering Contractor.
23. All final connections to equipment and furnishings (not integral to equipment), interior and exterior, shall be made by the Electrical, Mechanical, or Plumbing Contractors, as applicable. Coordinate with other trades as necessary.
24. General Trades Contractor shall include in their bid all architectural demolition and structural demolition as noted on the plans or as required to allow for installation of new improvements.
25. Regarding any references to "Paving Contractor" indicated on the Contract Documents, this work is the responsibility of this bid category.
26. Contractor shall refer to Guideline Schedule and include in their bid all necessary cold weather asphalt paving procedures or admixtures as required to meet schedule.
27. General Trades Contractor shall provide all paving specialties including, but not limited to, parking bumpers and pavement markings.
28. Curbs, gutters, sidewalks, and concrete driveways are responsibility of the General Trades Contractor.



29. General Trades Contractor shall protect surfaces adjacent to all paving and surfacing.
30. Roofing Contractor to furnish and install roofing gutters and downspouts and include tie into storm piping system. Downspout boots shall be provided by the General Trades Contractor.
31. Casework contractor is responsible to provide all penetrations to casework (from the factory or field modified and finished) as required by the plans and details or as to accommodate electrical, mechanical, or plumbing. Coordinate the power and data requirement locations with the electrical contractor for locations and sizes of holes needed. Also coordinate any mechanical or plumbing requirements and sizes of holes with those respected contractors.
32. Provide all solid surface materials, accessories, and brackets within the project documents.
33. Coordinate blocking requirements with Metal Framing, Drywall and Ceilings
34. Temporary dust partitions as outlined in the interior partition plan in 02 20 00- Information Available to Bidders are to be constructed from framing lumber and reinforced visqueen. All partitions should include a ZipWall for pedestrian access. All components are to be maintained on a regular basis.
35. General Trades contractor to provide and install windscreen with graphics at all temporary construction fencing. (Graphic to be provided)
36. General Trades contractor to provide all submittals for underground utilities all the underground utilities within 10 days of notice to proceed.
37. General Trades contractor to provide, install, and maintain crane access road as outlined in the Crane Access Plan.
38. General Trades contractor to maintain at least 1 lane egress at all times during construction on the east access drive by the high school.
39. General Trades contractor to coordinate with mechanical contractor on attachment of rooftop equipment screen shown in section 10 82 13, provided and installed by the general trades contractor.
40. Cable System Display System for the custom display cases is to be provided by general trades contractor.
41. General Trades contractor to submit a valid license, permit, and bond with the City of Carmel Engineering Department with a minimum coverage of \$5,000 to remain in effect for the duration of the project to obtain the Right-of-Way Permit.
42. Every field superintendent to have a radio and an Ipad.
43. General Trades contractor is to be familiar with 00 50 00 and is to include the aluminum bleacher seating as well as the abrasive metal nosings.

**B. BID CATEGORY NO. 2 - MASONRY**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	03 41 00	Precast Structural Concrete
Section	04 20 00	Concrete Unit Masonry

Section	04 23 00	Glass Unit Masonry
Section	04 72 00	Cast Stone Masonry
Section	07 21 00	Thermal Insulation
Section	07 27 26.02	Vapor-Permeable, Fluid-Applied Membrane Air Barrier
Section	07 91 00	Preformed Joint Seals
Section	07 92 00	Joint Sealants

**Bid Category #2 General Clarifications:**

1. Contractor shall refer to Guideline Schedule and include in their bid all necessary cold weather masonry installation procedures and mortar admixtures as required to meet schedule.
2. Contractor shall include any sleeves indicated per plans passing through their work.
3. All masonry anchors and reinforcement are to be provided by Masonry Contractor.
4. Miscellaneous metal clips, anchors, supports, lintels, and other accessories that interface between masonry and structural steel shall be furnished by the Structural Steel Contractor to be installed by the Masonry Contractor. Miscellaneous masonry anchors, supports, dowels, clips and other accessories that interface between masonry and concrete shall be provided by the Masonry Contractor.
5. Aluminum Storefront and Curtainwall Contractor to coordinate with Masonry Contractor and Metal Framing, Drywall and Ceilings Contractor for rough-opening dimensions of glazed aluminum curtainwall. Rough opening sizes are to be provided during the submittal process by Aluminum Storefront and Curtainwall. The openings sizes are to be held by Masonry Contractor and Metal Framing, Drywall and Ceilings Contractor.
6. Masonry Contractor is responsible for installation of top of masonry wall insulation as outlined in specification section 07 21 00 – Thermal Insulation. This is specific to interior and exterior masonry walls where the Masonry contractor scaffolding is in place for masonry scope of work. Metal Stud, Drywall & Acoustical Contractor Responsible for top of wall insulation at metal stud and cold formed framed walls where masonry work is not present.
7. Masonry Contractor is responsible for installation of all Fluid Applied Membrane Air Barrier as outlined in spec section 07 27 26.02 regardless of the substrate. Please reference the contract documents for locations where Fluid Applied Membrane Air Barrier is applied to both CMU within the wall cavity and face of plywood faced insulation behind metal wall panels.
8. Every field superintendent to have a radio and an Ipad.

**C. BID CATEGORY NO. 3 – STRUCTURAL STEEL**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 53 30	Barricades

Section	05 12 00	Structural Steel Framing
Section	05 31 00	Steel Decking
Section	05 50 00	Metal Fabrications
Section	05 51 00	Metal Stairs
Section	05 52 13	Pipe and Tube Railings
Section	07 92 00	Joint Sealants

Bid Category #3 General Clarifications:

1. Regarding any references to “Structural Steel Contractor” indicated on the Contract Documents, this work is the responsibility of this bid category.
2. All embedded metal fabrications including, but not limited to, anchor bolts, weld plates, angles, and leveling plates, will be furnished by the Structural Steel Contractor and installed by the General Trades Contractor.
3. Grouting of base plates will be by the Structural Steel contractor.
4. The Structural Steel, Roofing, Mechanical, Electrical and Plumbing Contractors shall coordinate with each other regarding roof penetration frames.
5. Miscellaneous metal clips, anchors, supports, lintels, and other accessories that interface between masonry and structural steel shall be furnished by the Structural Steel Contractor to be installed by the Masonry Contractor.
6. Aluminum bleacher seating and abrasive metal nosings are by the General Trades contractor.
7. Every field superintendent to have a radio and an Ipad.

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

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	06 10 00	Rough Carpentry
Section	07 01 50.19	Preparation for Re-Roofing
Section	07 41 13.13	Formed Metal Roof Panels
Section	07 54 00	Thermoplastic Membrane Roofing (PVC and KEE)
Section	07 62 00	Sheet Metal Flashing and Trim
Section	07 71 00	Roof Specialties
Section	07 71 29	Manufactured Roof Expansion Joints
Section	07 72 00	Roof Accessories
Section	07 92 00	Joint Sealants

Bid Category #4 General Clarifications:

1. Roofing Contractor is responsible for all wood blocking and plywood required for roof systems including MEP curbs, metal roof coping, flashings, gutters, roof hatches, or the like, interfacing with roofing.
2. Roofing Contractor shall coordinate roof penetrations with the appropriate trades and ensure that all penetrations conform with the roof systems installation requirements. Provide all material necessary to seal these penetrations.
3. Roofing Contractor to furnish and install roofing gutters and downspouts and include tie into storm piping system. Downspout boots shall be provided by the

General Trades Contractor.

6. Roofing Contractor to inform the construction manager within 10 days of the pre-award conference of any known material lead time issues.
7. Every field superintendent to have a radio and an Ipad.

E. BID CATEGORY NO. 5 – METAL STUDS, DRYWALL & ACOUSTICAL

General requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 52 60	Rubbish Container
Section	05 40 00	Cold-Formed Metal Framing
Section	06 16 00	Sheathing
Section	07 21 00	Thermal Insulation
Section	07 24 19	Water Drainage Exterior Insulation and Finish System (EIFS)
Section	07 42 13.23	Metal Composite Materials Wall Panels
Section	07 81 00	Applied Fireproofing
Section	07 84 13	Penetration Firestopping
Section	07 84 43	Joint Firestopping
Section	07 91 00	Preformed Joint Seals
Section	07 92 00	Joint Sealants
Section	07 95 13.13	Interior Expansion Joint Cover Assemblies
Section	09 21 16	Gypsum Board Assemblies
Section	09 24 00	Cement Plastering
Section	09 51 13	Acoustical Panel Ceilings
Section	09 54 23	Linear Metal Ceilings
Section	09 77 10	Framed Decorative Panel Systems
Section	09 96 63	Interior Finish System
Section	10 12 00.16	Custom Display Cases (as applicable)

Bid Category #5 General Clarifications:

1. Regarding any references to “Drywall Contractor”, “EIFS Contractor”, or “Ceiling Contractor” indicated on the Contract Documents, this work is the responsibility of this bid category.
2. Unless noted otherwise, all wood blocking and plywood, exterior or interior, shall be provided by this bid category.
3. Provide clips, anchors, supports and other accessories that interface between steel framing and steel studding.
4. The Metal Framing, Drywall and Ceilings Contractor is to include a 160-man-hour allowance for work performed at the direction of the construction manager. At the end of the project, unused hours will be converted into a dollar amount and returned to the Owner as a deduct Change Order.
7. Aluminum Storefront and Curtainwall Contractor to coordinate with Masonry Contractor and Metal Framing, Drywall and Ceilings Contractor for rough-opening dimensions of glazed aluminum curtainwall. Rough opening sizes are to be provided during the submittal process by Aluminum Storefront and Curtainwall. The openings sizes are to be held by Masonry Contractor and Metal Framing, Drywall and Ceilings Contractor.

8. Masonry Contractor is responsible for installation of top of wall insulation as outlined in specification section 07 21 00 – Thermal Insulation. This is specific to interior and exterior masonry walls where the Masonry contractor scaffolding is in place for masonry scope of work. Metal Stud, Drywall & Acoustical Contractor Responsible for top of wall insulation at metal stud and cold formed framed walls where masonry work is not present.
9. Every field superintendent to have a radio and an Ipad.

F. BID CATEGORY NO. 6 – ALUMINUM, GLASS & GLAZING

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 92 00	Joint Sealants
Section	08 13 16.13	Aluminum Doors
Section	08 16 13	Fiberglass Doors
Section	08 43 13	Aluminum-Framed Storefronts
Section	08 44 13	Glazed Aluminum Curtain Walls
Section	08 45 23	Fiberglass-Sandwich-Panel Assemblies
Section	08 56 00	Special Function Windows
Section	08 80 00	Glazing
Section	08 87 23	Safety and Security Film
Section	10 12 00.16	Custom Display Cases (as applicable)

Bid Category #6 General Clarifications:

1. General Trades Contractor shall supply all door hardware for the aluminum storefronts and aluminum curtainwall to the Aluminum Storefront and Curtainwall Contractor for installation. All low voltage wiring within the Aluminum & FRP doors and frames is to be installed by Aluminum Storefront and Curtainwall Contractor. Final connection and power supply to be provided by Electrical Contractor.
2. Aluminum Storefront and Curtainwall Contractor to furnish and install all interior and exterior joint sealants at aluminum Entrances, windows, storefronts, curtainwalls in accordance to specification section 07 92 00 – Joints Sealants, 08 43 13 – Aluminum-Framed Storefronts, and 08 44 13 – Glazed Aluminum Curtain Walls.
3. Aluminum Storefront and Curtainwall Contractor to coordinate with Masonry Contractor and Metal Framing, Drywall and Ceilings Contractor for rough-opening dimensions of glazed aluminum curtainwall. Rough opening sizes are to be provided during the submittal process by Aluminum Storefront and Curtainwall. The openings sizes are to be held by Masonry Contractor and Metal Framing, Drywall and Ceilings Contractor.
4. Aluminum Storefront and Curtainwall Contractor shall temporarily leave a section of storefront open on the North side of the natatorium for construction access at the construction managers discretion. The contractor shall return and install said storefront at the request of the construction manager.
5. Every field superintendent to have a radio and an Ipad.

G. BID CATEGORY NO. 7 - PAINTING

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 92 00	Joint Sealants
Section	09 91 23.61	Interior Painting/Repainting
Section	09 96 00	High-Performance Coatings
Section	10 12 00.16	Custom Display Cases (as applicable)

Bid Category #7 General Clarifications:

1. Regarding any references to "Painting Contractor" indicated on the Contract Documents, this work is the responsibility of this bid category.
2. Section 10 11 00 - Factory framed visual display units shall be provided by the General Trades Contractor. Section 10 11 00 - wall surface coverings shall be provided by the Painting and Wallcovering Contractor.
3. The Painting and Wallcovering Contractor shall be responsible for painting mechanical, electrical plumbing, and fire suppression work in MEPF rooms, and MEPF work exposed to view in interior occupied spaces, exterior walls and roof.
4. The Painting and Wallcovering Contractor is to include a 160-man-hour allowance for work performed at the direction of the construction manager. At the end of the project, unused hours will be converted into a dollar amount and returned to the Owner as a deduct Change Order.
5. Every field superintendent to have a radio and an Ipad.

H. BID CATEGORY NO. 8 - FLOORING

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 92 00	Joint Sealants
Section	09 01 91	Moisture Resistant/Water-Proof Flooring Adhesive for Concrete Slabs
Section	09 05 16	Existing Substrate Preparation for Floor Finishes
Section	09 30 00	Tiling
Section	09 65 13	Resilient Base and Accessories
Section	09 65 19	Resilient Tile Flooring
Section	09 68 13	Tile Carpeting
Section	09 68 16	Sheet Carpeting

Bid Category #8 General Clarifications:

1. Contractor shall include all costs to prepare sub-floor and underlayments as required to perform his work, including but not limited to: thresholds, patching, adhesives, edge strips, reducer strips, sleepers, vapor barriers, fasteners, leveling compounds and other, per manufacturer recommendations.
2. All tile within the pool areas as outlined by note 13 on the finish plans is by the pool contractor.
3. Contractor shall pay for any power requirements above what are shown in spec section 01 51 10 Temporary Electric 1.02E.

4. Every field superintendent to have a radio and an Ipad.

I. BID CATEGORY NO. 9 - TERRAZZO

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 92 00	Joint Sealants
Section	09 66 23	Resinous Matrix Terrazzo Flooring

Bid Category #9 General Clarifications:

1. Contractor shall include all costs to prepare sub-floor and underlayments as required to perform his work, including but not limited to thresholds, patching, adhesives, edge strips, reducer strips, sleepers, vapor barriers, fasteners, leveling compounds and any other per manufacturer recommendations.
2. Contractor shall pay for any power requirements above what are shown in spec section 01 51 10 Temporary Electric 1.02E.
3. Every field superintendent to have a radio and an Ipad.

J. BID CATEGORY NO. 10 - SEATING

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 92 00	Joint Sealants
Section	12 61 16	Molded-Plastic Audience Seating

K. BID CATEGORY NO. 11 – POOL & EQUIPMENT

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 92 00	Join Sealants
Section	13 15 00	Competition Swimming Pool, Therapy Pool and Equipment
Section	13 15 60	Aquatic Timing System and Display Systems

Bid Category #11 General Clarifications:

1. Pool Contractor to remove all spoils created by pool excavation off site.
2. Pool contractor responsible for all tiling within the pool space as outlined by note 13 on the finish plans.
3. Pool contractor responsible for concrete slab within the pool space as outlined by note 13 on the finish plans.
4. Every field superintendent to have a radio and an Ipad.

L. BID CATEGORY NO. 12 – FIRE PROTECTION

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 92 00	Join Sealants
Section	21 05 00	Common Work Results for Fire Suppression
Section	21 10 00	Water-Based Fire Suppression Systems
Section	10 12 00.16	Custom Display Cases (as applicable)

Bid Category #12 General Clarifications:

1. Obtain approvals and permits and coordinate inspections and testing with governing local and state agencies in relation to this scope of work.
2. Equipment bases and pads shall be provided by the Contractor installing the equipment.
3. Regarding any references to Fire Suppression Systems indicated on the Contract Documents, this work is the responsibility of the Fire Suppression Contractor.
3. Provide controller, jockey pumps, flow meter, flow devices for fire alarm, or the like, as related to fire suppression work for a full operable system. All electrical final connections including, but not limited to, wiring of pump, controller, or devices to be by the Electrical Contractor.
4. Sprinkler heads in display cases as required.
5. Every field superintendent to have a radio and an Ipad.

L. BID CATEGORY NO. 13 – PLUMBING

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 51 50	Temporary Water
Section	07 92 00	Join Sealants
Section	22 00 01	Mechanical Bidders List of Materials and Subcontractors
Section	22 00 02	Work in Existing Buildings
Section	22 05 00	Common Work Results for Plumbing
Section	22 05 01	Basic Mechanical Materials and Methods
Section	22 05 19	Meters and Gages for Plumbing Piping
Section	22 05 23	General-Duty Valves for Plumbing Piping
Section	22 05 29	Hangers and Supports for Plumbing Piping and Equipment
Section	22 05 53	Identification 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 11 23	Domestic Water Pumps
Section	22 13 16	Sanitary, Waste, and Vent Piping System
Section	22 14 13	Facility Storm Drainage Piping
Section	22 31 00	Domestic Water Softeners
Section	22 34 00	Fuel-Fired Domestic Water heaters
Section	22 40 00	Plumbing Fixtures
Section	22 47 00	Drinking Fountains and Water Coolers

Bid Category #13 General Clarifications:

1. Regarding any references to “PC” – “Plumbing Contractor” or “PC” –indicated on the Contract Documents, this work is the responsibility of the Plumbing Contractor.



2. Equipment bases, and pads shall be provided by the Contractor installing the equipment.
3. The utility services provided by Plumbing Contractor shall be coordinated with Utility Companies, as necessary.
4. Reference pool drawings for any plumbing items applicable to this bid category.
5. Every field superintendent to have a radio and an Ipad.

**M. BID CATEGORY NO. 14 – HVAC**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 51 30	Temporary Heating, Ventilation, and Cooling
Section	07 92 00	Joint Sealants
Section	23 01 30	HVAC Air Duct Cleaning
Section	23 05 00	Common Work Results for HVAC
Section	23 05 13	Common Motor Requirements for HVAC Equipment
Section	23 05 16	Expansion Fittings and Loops for HVAC Piping
Section	23 05 19	Meters and Gages for HVAC Piping
Section	23 05 23	General-Duty Valves for HVAC Piping
Section	23 05 29	Hangers and Supports for HVAC Piping and Equipment
Section	23 05 48	Vibration and Seismic Controls 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
Section	23 07 00	HVAC Insulation
Section	23 09 00	Instrumentation and Control for HVAC
Section	23 09 93	HVAC Sequence of Operation
Section	23 11 23	Facility natural gas piping
Section	23 21 13	Hydronic Piping
Section	23 21 23	Hydronic Pumps
Section	23 23 00	Refrigerant Piping
Section	23 25 00	HVAC Water Treatment
Section	23 29 23	Variable-Frequency Motor Controllers
Section	23 31 13	Metal Ducts
Section	23 31 16	Nonmetal Ducts
Section	23 33 00	Air Duct Accessories
Section	23 34 23	HVAC Power Ventilators
Section	23 36 00	Air Terminal Units
Section	23 37 13	Diffusers, Registers, and Grilles
Section	23 37 23	HVAC Gravity Ventilators
Section	23 51 00	Breechings, Chimneys, and Stacks
Section	23 52 16	Condensing Boilers
Section	23 73 13	Modular Indoor Central-Station Air-Handling Units
Section	23 73 15	Pool Dehumidification Units
Section	23 74 13	Packaged, Outdoor, Central-Station Air-Handling Units

Section	23 81 26	Split-System Air-Conditioners
Section	23 82 33	Convectors
Section	23 82 39	Unit Heaters

Bid Category #14 General Clarifications:

3. Regarding any references to “MC” – “Mechanical Contractor” work will be included in this bid category.
4. Equipment bases, and pads shall be provided by the Contractor installing the equipment.
6. Reference pool drawings for associated work that may pertain to the Mechanical contractor.
7. The temperature controls low voltage wiring is the responsibility of Mechanical Contractor.
8. Every field superintendent to have a radio and an Ipad.

N. BID CATEGORY NO. 15 – 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	07 92 00	Joint Sealants
Section	10 12 00.16	Custom Display Cases (as applicable)
Section	26 00 05	Electrical Demolition
Section	26 00 50	General Electrical Requirements
Section	26 05 05	Electrical Testing
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	Conduit and Boxes for Electrical Systems
Section	26 05 35	Surface Raceways for Electrical Systems
Section	26 05 37	Wire Mesh Type Cable Trays
Section	26 05 43	Underground Ducts and Raceways for Electrical Systems
Section	26 05 53	Identification for Electrical Systems
Section	26 05 73	Power System Studies
Section	26 09 23	Lighting Control Devices
Section	26 22 00	Low-Voltage Transformers
Section	26 24 13	Switchboards
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 51 00	Interior Lighting
Section	26 56 00	Exterior Lighting
Section	27 05 00	Common Work Results for Communications

Section	27 05 26	Grounding and Bonding for Communications Systems
Section	27 05 28	Pathways for Communications Systems
Section	27 05 53	Identification for Communications Systems
Section	27 11 00	Communications Equipment Room Fittings .
Section	27 11 13	Communications Entrance Protection
Section	27 13 23	Communications Optical Fiber Backbone Cabling
Section	27 15 13	Communications Copper Horizontal Cabling
Section	27 41 00	Professional Audio Sound Reinforcement Systems
Section	27 51 23	Intercommunications and Program Systems
Section	28 05 00	Common Work Results for Electronic Safety And Security
Section	28 05 13	Conductors and Cables for Electronic Safety And Security
Section	28 13 00	Electronic Access Control
Section	28 23 00	Video Surveillance System
Section	28 31 11	Digital, Addressable Fire-Alarm System

**Bid Category #15 General Clarifications:**

1. Regarding any references to "EC" or "Electrical Contractor" indicated on the Contract Documents, this work is the responsibility of the Electrical Contractor.
2. General Trades Contractor shall supply all door hardware for the aluminum storefronts and aluminum curtainwall to the Aluminum Storefront and Curtainwall Contractor for installation. All low voltage wiring within the wood, steel and hollow metal doors and frames is to be installed by the Electrical Contractor. All low voltage wiring within the Aluminum & FRP doors and frames is to be installed by Aluminum Storefront and Curtainwall Contractor. Final connection and power supply to be provided by Electrical Contractor. Electrical Contractor shall provide all final electrical connections, including but not limited to low voltage and power wiring, commissioning, or controls, not integral to the hardware.
3. Equipment bases and pads shall be provided by the Contractor installing the equipment.
4. All final electrical connections to Fire Protection, including but not limited to; wiring of pump, controller, or devices to be by the Electrical Contractor.
5. The electric service and telecommunication service shall be provided by the Electrical Contractor and the Electrical Contractor shall coordinate with the Utility Companies as necessary. The Electrical Contractor is to provide all trenching, ductbank, conduit, cable, utility fees, and the like, as required to install fully operable services.
6. The temperature controls low voltage wiring is the responsibility of Mechanical and Plumbing Contractor, power wiring is the responsibility of Electrical Contractor.
7. Any installed electrical boxes regardless of the intended use will be to be covered with a blank plate by the electrical contractor.
8. Reference pool drawings for electrical work pertaining to this bid category

9. Any installed equipment that requires an electrical connection is considered to be the electrical contractors responsibility to make the final connection.
10. Provide IP based exterior security camera with 360 views at Door 21. Final location to be determined by the construction manager.
11. Provide all site lighting including light pole bases.
12. Provide any required lighting within display cases.
13. Every field superintendent to have a radio and an Ipad.

END OF SECTION 01 12 00