

MIDDLETON ASSOCIATES INCORPORATED
1702 W. COLLEGE AVE., SUITE E
NORMAL, IL 61761-2793
PHONE 309/452-1271 FAX 309/454-8049

SPECIFICATIONS FOR LABOR AND MATERIALS

FOR

MCLEAN COUNTY UNIT DISTRICT NO. 5

PARKSIDE JUNIOR HIGH SCHOOL FACS RM 155 REMODEL
101 N. PARKSIDE RD., NORMAL, IL 61761

FOR

MCLEAN COUNTY UNIT DISTRICT NO. 5
1809 HOVEY AVENUE
NORMAL, ILLINOIS 61761-4339

PROJECT NUMBER: 24202318

ISSUE DATE: Friday, May 8, 2020

PRE-BID MEETING: None – Call Architect for appointment to visit site

BID DATE: Thursday, May 21, 2020 – 1:30 p.m.

SPECIFICATION BOOKLET NO. _____



Expiration Date
11/30/20

Randall E. Middleton

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS

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Parkside Junior High School FACS Rm 155 Remodel
101 N. Parkside Rd. Normal, IL 61761
A/E Project No.: 24202318

FOR: McLean County Unit District No. 5
District Office: 1809 Hovey Ave., Normal, IL 61761-4339
Maintenance Warehouse: 1999 Eagle Rd., Normal, IL 61761

SUPERINTENDENT OF SCHOOLS: Dr. Mark Daniel

ARCHITECT/ENGINEER: Middleton Associates, Incorporated
1702 W. College Avenue, Suite E
Normal, IL 61761-2793
middleton@middletonassociates.net

ISSUE DATE: May 8, 2020

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END 00020

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS

Section 00030 – Invitation for Bids

Sealed proposals will be received by: McLean County Unit District No. 5

For Project: McLean County Unit District No. 5
Parkside Junior High School FACS Rm 155 Remodel
A/E Project No. 24202318

Time of Bid Submission: **Thursday, May 21, 2020 – 1:30 p.m.**

Location of Bid Submission: McLean County Unit District No. 5 Warehouse, Attn: Joe Adelman,
1999 Eagle Rd., Normal, Illinois 61761

Proposals shall be delivered to the above location prior to 1:30 p.m. Proposals shall be clearly identified on the outside of the envelope as "Sealed Proposal" and project title as shown above. Proposals may be sent electronically.

Proposals will be opened and publicly read following the due time.

Terms of the proposal:

- Bid Security is required, 5% Bid Bond or Certified Check payable to McLean County Unit District No. 5.
- Owner protective bonds will be required in the amount of 100% of the Contract value.
- Illinois Prevailing Wage Act P.A. 86-799 and certified payroll reporting P.A. 094-0515 apply. Revised Statutes Illinois Criminal Code, including the Illinois School Code.
- The Board of Education has the right to reject or accept any or all parts of all bids submitted.

Plans and specifications are available at Middleton Associates Incorporated, 1702 W. College Avenue, Normal, Illinois 61761-2793, Phone 309/452-1271, FAX 309/454-8049, and at www.middletonassociates.net. Scroll down and click on "Contractors". Refundable deposit for one printed set is \$25.00. The plan deposit is subject to conditional refund requirements as described in the specification section "Instructions for Bidders".

END 00030

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS

Section 00040 – Instructions for Bidders

1. GENERAL

1.1. LOCATION OF THE PROJECT:

- A. Parkside Junior High School, 101 N. Parkside Rd., Normal, IL 61761

1.2. OBTAINING DRAWINGS & SPECIFICATIONS

- A. Drawings and Specifications may be obtained from the Architect, Middleton Associates Incorporated, 1702 W. College Ave., Suite E, Normal, IL 61761-2793, Telephone 309/452-1271, FAX 309/454-8049
E-Mail: www.middleton@middletonassociates.net
Website: www.middletonassociates.net. Scroll down and click on "Contractors".
- B. Refundable deposit for one printed set is \$25.00
- C. All sets of Bid Documents, except those held by the low bidder, are to be returned to the Architect/Engineer in good usable condition within ten (10) days following bid opening. Drawings and Specifications may be examined at the office of the Owner or Architect without charge.

1.3. INTERPRETATION OF DOCUMENTS (See AIA General Conditions Section 00050 and Supplementary General Conditions Section 00800).

- A. Anyone having a doubt concerning the meaning of the Contract Documents, or any other questions, may submit a request for interpretation from the Architect/Engineer. All pre-bid interpretation shall be requested FIVE (5) DAYS prior to the bid due date. Response, other than minor clarification, will be in the form of Addenda and will be mailed to each Bidder.
- B. It shall be the Architect/Engineer's responsibility to clarify conflicts in requirements as may be reported to the Architect/Engineer. After bid due date, the Architect/Engineer shall determine the course to be followed for said clarification with no cost change to the Owner.
- C. All work in these documents shall be as described, including any and all trade subcontractors of the contractor's determination and designation with no cost increase to the Owner.

1.4. INTENT, ERRORS AND OMISSIONS

- A. Any known conflict between requirements of various portions of the Contract Documents shall be reported to the Architect/Engineer prior bid due date and shall fall under the authority of Interpretation of Documents.
- B. The Drawings are descriptive and directive in concept and are not intended to exhaust all detail situations required to complete the work. The procedures detailed shall establish the general character of solutions needed for typical, non-typical, and peculiar situations at the job site.

- C. It is the intent of the documents that specified work and equipment be installed in a proper and finished manner, fully operational, at a minimum of generally accepted standards for good quality commercial construction. All necessary materials, labor, controls, accessories, brackets, fasteners, sealants, etc., to properly install and complete the work shall be provided unless specifically noted otherwise.
- D. Each Contractor and Subcontractor shall coordinate and cooperate with the other Contractors to provide proper installation. Verify dimensions, services, installation conditions, obstacles to the work and modifications necessary to complete the work and coordinate the fit, finish and scheduling of the work.

1.5. DOCUMENT INTENT, PROJECT COMPLETION, FITTING AND FINISHING FULLY FUNCTIONAL, USER READY

- A. It is the intent that all items of work included in the project are to be completely finished and all necessary associated components and accessories for proper completion are to be included in the work.
- B. Drawings are schematic in nature; every single element needed is not necessarily labeled, dimensioned or positioned. Unless specifically exempted, the Contractor shall provide as follows:
 - 1. Good quality fit, finish and workmanship at a level of competency and quality equal to or exceeding commercial construction in the area.
 - a. Sealants, caulks, flashings, transitions, closures and components to assure infiltration and weather tight result and finished appearance inside and out.
 - b. Sealants, flashings, closures at building connections.
 - c. Upper and lower flashings, in new construction and whenever possible, to shed water outward.
 - 2. All components and assemblies to assure proper installation and performance of manufactured equipment, per manufacturer's or industry association standards as a minimum.
 - a. Mechanical equipment, plumbing, piping, ventilation, valves back checks, connections etc.
 - b. Mechanical and electrical coordination, coordination of installation locations, hidden where possible, routed through the construction in the most expedient but concealed manner,
 - c. Minor relocation of piping, equipment, installations shall be provided without cost change within 10' either way or reasonable pathways of similar distance.
 - d. All other equipment, kitchen, doors, hardware, windows and any other operable equipment
 - e. Service access, filters, repairs always allow for reasonable repair and maintenance access.

1.6. BIDDING REQUIREMENTS

- A. Any Contractor Proposal may include Document 00307 Product Substitutions Form / Voluntary Alternates Form. Basic materials have been selected as noted in these Specification Sections and on the Drawings in order to reduce or eliminate any schedule / ordering delays. Any Contractor may propose substitute materials or voluntary alternates to the basic specified materials on this form. If any Contractor desires to offer substitutions or voluntary alternates, include this form with your Bid.
- B. 1992 Revised Statutes Illinois Criminal Code, apply: Article 33E, Public Contracts; Interference (See 33E-1); Bid Rigging (See 33E-3); Bid Rotating (See 33E-4) Disclosure (See 33E-5); Kickbacks (See 33E-7); Bribery (See 33E-7); Change Orders (See 33E-8)

1.7. ADDENDA

- A. Addenda may be issued before the bid opening date to clarify or modify the Contract Documents.
- B. Said addenda shall become a part of the Contract documents and supersede any conflicting specifications or clarify intent of same.

1.8. BID SECURITY

- A. The Bidder shall furnish, along with his proposal, a bid bond or certified check in the amount of five percent (5%) of the bid proposal including all additive alternates. The above instrument shall be made payable to the Owner and shall serve as a guarantee that the Contractor will enter into the Contract with the Owner as per his bid, should the job be awarded to him.
- B. Should said Contractor refuse or fail to enter into a Contract with Owner per his bid for the work included in these Contract Documents within forty-five (45) days following bid due date, said bid guarantee shall become collectible, in full, by the Owner in payment for damages. See 00040/1.12 "RETURN OF BID SECURITY."

- 1.9. WITHDRAWAL OF BIDS. Bids may be withdrawn by the Owner or Corp. Officer of Contractor prior to the bid due date and time, after which time no bids may be withdrawn for a period of forty-five (45) days unless a Bidder has been released by the Owner's action.

1.10. PROPOSAL FORMS

- A. Each bidder shall submit his proposal, in duplicate, on proposal form provided. All applicable blank spaces on forms shall be filled out fully; numbers shall be stated both in writing and in figures; signatures shall be live in longhand. Completed forms shall be without delineation, alteration or erasure.
- B. Proposals shall not contain any recapitulation of the work and no oral proposals or modifications are invited for consideration. The Proposal & Contract Form automatically becomes the Contract upon the acceptance and signature of the Owner. See Paragraph 1.14 "COMMENCEMENT OF

CONSTRUCTION."

- C. Substitutions of material other than that specified may be included on the proposal. See related Specification Sections for more information on Substitutions.

1.11. SIGNING OR BIDS

- A. All proposals shall be signed (live signatures, no copies of signatures accepted) by persons fully and duly authorized to sign bids.
- B. Any bid signed by a person other than as set forth above shall enclose with his bid proposal evidence of Power of Attorney.

1.12. AWARD OR REJECTION OF BIDS

- A. Although it is the intention of the Owner to accept the lowest qualified bid the Owner specifically reserves the right to waive all formalities and/or informalities, to reject any and all bids and/or accept the bid that, in the Owner's judgment, will be in the Owner's best interest.
- B. Contractor will note: All alternates that are applicable, or as may become applicable by addendum, must be bid.
- C. Should the time for award exceed the time stated for the proposal's expiration period, the Owner reserves the right to continue to negotiate with bidders in the line of award succession as a prior option rather than re-bid.

1.13. RETURN OF BID SECURITY

- A. After bids have been read along with alternates and/or substitutions as applicable and a successful Bidder has been approved by Owner, a Letter of Intent will be sent to the successful bidder and bid security may be returned to the unsuccessful bidders:
 - 1. Except the deposits of the two (2) bidders in line may be retained until Owner/Contractor agreements have been consummated.
 - 2. The Owner has released them.
 - 3. The Bid has expired.
- B. Following the signing of the Contracts and receipt of bonds, remaining bid security will be returned. If the successful Bidder fails to accept the Contract and submit acceptable bonds, same will be grounds for forfeiture of his bid security.

1.14. OWNER'S PROTECTIVE BONDS: A 100% of value Labor and Material Payment Bond and a Performance Bond including all alternates accepted is required in the Contract and shall be included in the Contractor's Proposal.

- A. Periodic Change Orders that may occur to the Contract shall be included in each respective bond.
- B. Bonds shall cover the entire Contract without regard to the Contractor's

assignment of work to Subcontractors or Suppliers.

1.15. COMMENCEMENT OF CONSTRUCTION

- A. Contractor shall not commence work until the agreement has been executed by both Owner and Contractor and Insurance Certificate and Owner's Protective Bonds have been accepted by the Owner and the Architect. However, work shall commence promptly upon the Owner and Architect's acceptance of Insurance certification and applicable bonds. Commence progress and work completion shall be coordinated with the Owner's programmed use of the buildings.
 - 1. **All insurance certificates shall specifically list McLean County Unit District No. 5 and the Architect, Middleton Associates Incorporated and their consultants and sub-consultants to the work, as added insureds or named insureds.**
 - 2. **Start date: No later than June 1, 2020, with consideration of COVID-19 unforeseen problems.**
 - a. Negotiations to begin construction before Bond & insurance certificates might occur.
- B. **Material for this construction project must be ordered ASAP after contract signatures are complete and Bonds and Insurance are completed.**
- C. Progress at job site shall be continuous once work has commenced.

1.16. EXAMINATION OF SITE AND CONTRACT DOCUMENTS

- A. Bidder shall carefully examine bidding documents and inspect the sites to obtain first-hand knowledge of existing conditions.
 - 1. **A Pre-Bid Meeting is not scheduled. If any bidder needs to see the Room 155 space, call Architect.**
- B. Each Bidder, by submitting his bid, represents that he has so examined the bidding documents, that he understands the provisions of the bidding documents, and that he has familiarized himself with the local conditions under which the work is to be performed. Bidders will not be given extra payment or contract time for conditions, which could have been determined by such examination.

1.17. BIDDER QUALIFICATIONS

- A. Competency and responsibility of the Bidder, and of their proposed subcontractors, will be considered prior to award and may include:
 - 1. A detailed statement regarding the business, technical organization and plant facilities for the work that is contemplated.
 - 2. Evidence of successful experience of personnel and previously completed construction projects.

- a. Contractor and personnel, five years or more commercial construction experience, including recent projects or similar or greater value, similarity of types of work, technical content, and complexity.
 - b. Evidence that such projects have been aggressively pursued to conclusion without delay, frivolous claims for additional costs, or work requiring abnormal or extensive corrections.
- B. The Owner may reject a bidder, if an updated financial statement prepared by a CPA not in the Contractor's payroll (bearing the CPA's live signature) shows the net worth of a Contractor to be less than 25% of the Contractor's bid including elected alternates for this work. Said statement, if required by the Owner, shall be furnished and paid for by the Bidder.
1. Evidence of unpaid bills, unresolved liens, outstanding claims by the Dept. of Labor for wage, benefits or workman compensation violations or failure to provide accurate payroll information may be used to determine responsibility of Contractor prior to award.

1.18. LIST OF SUBCONTRACTORS

- A. Within seven (7) business days after **BIDDING AND PRIOR TO THE CONTRACT AWARD**, the Contractor shall submit to the Architect/ Engineer, a list of the names of the subcontractors and suppliers and other persons or organization as outlined in Paragraph 5.2, of AIA General Conditions of the Contract for Construction, subject to the approval of the Owner.
- B. Failure of any Bidder to furnish required lists within seven (7) business days after bidding will be sufficient cause to disqualify his bid and Owner shall have every right to claim damages due under 00040/1.12.B. "RETURN OF BID SECURITY."
- C. After the Contractor's list of subcontractors and material suppliers has been submitted, no further changes shall be made without specific written authority and approval of the Architect/Engineer.

1.19. CONTRACT AWARD

- A. The Owner will make an award based on the selection of the lowest cost responsible bidder. After award is approved by the Board of Education, the contract timeline is as follows:
 1. Return signed agreement seven (7) days after award.
 2. Subcontractor, Supplier, or any entity to be assigned a part of the work, provide list, addresses and contact information, seven (7) days; provide references upon request, seven (7) days.
 3. Labor and Materials, Payment, and Performance Bonds, fifteen (15) days after award.
 4. Insurance, fifteen (15) days after award.
 5. Master Cost Breakdown (CVS), fifteen (15) days after award.
 6. Proposed Schedule and timeline, fifteen (15) days after award.
 7. Contractor to send Shop Drawings and Catalog Cuts/Samples or

bring same to Pre-Construction meeting.

- B. Failure or refusal to provide the preceding Contract information in a timely manner may be cause for cancellation of the award or termination of the agreement if signed and the Owner will be entitled to compensation under the terms of the Bid Security for failure to execute contract terms in good faith.

1.20. SCHEDULING

A. Contractors' Master Schedule

1. The Contractor shall prepare and maintain a Master Schedule.
2. Prior to preparation of the Master Schedule, all Subcontractors shall coordinate scheduling needs with the General Contractor.
3. Upon preparation of a detailed schedule, same shall be reviewed by the Assigned Contractors and the Owner. Once accepted, it shall become the basis for determining the on time progress of the work.
 - a. Provide manpower crews, overtime double shift, and equipment as needed to maintain the schedule. The Owner will not authorize additional payment for overtime or additional manpower needed to maintain, achieve, or make up time to meet the schedule. The General Contractor shall notify the Architect and the Owner promptly of any deficiency in performance, which is unacceptably impacting the schedule or delaying progress.
 - b. The Subcontractor(s) shall immediately notify the General Contractor, in the event any trade area Contractor's progress is impeding their ability to maintain the schedule.
 - c. The General Contractor shall immediately provide notification of this report to the Architect and the Owner and shall include a plan of action to regain schedule.

B. Schedule

1. Submittals shall be prepared immediately following award.
2. Material acquisition may begin immediately following Award.
3. Upon return of review submittals, schedule material and equipment for timely delivery.
 - a. Materials and equipment delivered on site or suitably stored with proof of insurance may be submitted for payment, subject to inspection.
 - b. The Owner requests that equipment and materials to do the work be on site or readily available for delivery prior to the start of operations.

C. Manning the work

1. Contractors shall work full crews each day once the project has been started until complete.

1.21. ALLOWANCE

- A. The General Contractor shall include in his bid an allowance of \$4,000 for additional time and material or Change Order work as directed and approved IN WRITING by the Owner and A/E.
 - 1. This is primarily for unforeseen conditions.
- B. This is not for assignment or use by the Contractor or Subcontractors for any work that either perceives as additional effort unless the Owner is in concurrence IN WRITING.

1.22. PROGRESS PAYMENTS

- A. Pay Requests must be approved by the Architect / Engineer and Doug Johnson, Director of District Maintenance or District appointed representative. Submit all Pay Requests to the Architect, five (5) business days before the end of each month. Pay Requests will be accepted once per month.
- B. Payment will be made within thirty (30) days following approval.
- C. In accordance with the terms of the Contract periodic partial progress payments may be made monthly to the Contractor for: 90% of the value of the labor, materials, and/or equipment incorporated in the construction. Payment will be for installed materials only.
- D. After Contract award and before commencement of work, the Contractor shall submit a complete master cost breakdown. Said cost breakdown shall be used by the Owner only for the purpose of checking and certifying requests for payment.
- E. Pay requests shall indicate amounts completed of all items listed from the master breakdown.
- F. Submit notarized Contractor's affidavits with each pay request showing that total owed on Contract by Owner (after subject request has been paid to Contractor) is more than the amount to become due the Contractor for material, subcontractors and labor.
 - 1. 10% of each request will be retained by Owner until work has been satisfactorily completed. After 75% of the Contract has been satisfactorily completed retainage reduction will be considered.
- G. All the applications for payment shall be made in two (2) copies with all copies bearing live seals and signatures, notarized and complete and accurately filled in.
 - 1. See AIA General Conditions, Paragraph 9.3.1, 9.3.2 and 9.3.3.
 - 2. Applications for payment shall be submitted to Architect/Engineer on AIA G-702A Forms.
 - 3. EACH SUCCESSIVE PAY REQUEST SHALL BE ACCOMPANIED BY PARTIAL WAIVERS OF LIEN, DOLLAR FOR DOLLAR MATCHING THE PRECEDING PAY REQUEST.

4. Attach one (1) copy of Contractor's Payroll with Pay Request in accord with Dept. of Labor requirements. Include Payroll for the major Subcontractors and upon request any minor or intermittent on-site Subcontractor.

1.23. CHANGE ORDERS

- A. Changes to the scope of work may occur after Contract Award. Contractor may initiate a Change Order by send an RFI to the Architect. The Architect and Owner may initiate a Change Order by verbal or written inquiry to the Contractor.
- B. When a change to the scope must occur the following procedure shall apply:
 1. The Change Order may be indicated as a fixed price or time and material. In all cases a written summation of work to be done shall be submitted to the Architect or written by the Architect. In all case the Contractor shall be provided a signed Letter to Proceed before accruing any expenses toward the Change Order.
 2. The Architect will try to provide the Letter to Proceed within twenty-four (24) hours of the time of origination of the request.
- C. Cost of Change Orders
 1. Cost of Change Orders shall be broken down into Labor, Material and Mark-up.
 2. The mark-up will include a percentage of the cost of Labor and Material and shall include everything (bonds, insurance, project management, overhead and profit, etc.). Mark-up allowed is:
 - a. Prime Contractor on own labor and materials – maximum 15%.
 - b. Subcontractor on own labor and material – maximum 15%.
 - c. Prime Contractor on labor and material of Subcontractor – maximum 7.5%.
 - d. Change Orders may be by T & M with above add-on.

1.24. FINAL PAYMENT: The final application for payment shall not be made until all work and deficiency (punch list) items have been satisfactorily completed and approved by the Architect/Engineer for documents compliance.

- A. Contractor to submit Operation Manuals and As-Built Drawings to Architect, prior to Final Payment.

1.25. MATERIALS SPECIFIED AND QUALITY OF WORK

- A. Materials shall be as specified or approved equal.
 1. Due to the previously completed renovations at other District Schools Elementary Schools the products and materials used therein are the basis for the Specification Sections to follow. Substitutions may be proposed on Specification Section 00307 Products Substitutions Form.
- B. "Approved equal" and "or equal" shall mean that the Contractor shall be

required to receive the Owner's approval (via the Architect) on any substitute materials seven (7) days prior to the bid due date.

- C. Requests for substitution approval shall be submitted to the Architect/Engineer seven (7) calendar days before Bid Date.
 - 1. Prior to considering substitutions, the Owner (via the Architect/Engineer) may require submission of samples, descriptive, technical and catalog data and lab reports of tests.
 - 2. Said submittals shall be presented to Architect/ Engineer.
 - 3. Approved substitutions can then be put on Bid Form.
- D. Substitute materials may be submitted after seven (7) day period indicated above by using the Product Substitution Form 00307.

1.26. TOBACCO, MARIJUANA, AND ALCOHOL FOR CONSUMPTION PRODUCTS

- A. Smoking, chewing, etc. shall not be permitted anywhere on school property by State Statute.
- B. Alcoholic beverages are not allowed on school property.
 - 1. Working under the influence of anything containing alcohol, marijuana, or any prescription or non-prescription drug is not allowed on the job site or prior to entering the job site.
- C. Violators may be removed from the job sites subject to conditional return privileges in the future.

1.27. SEXUAL HARASSMENT POLICY

- A. The Owner will not tolerate sexual harassment in any form. Sexual harassment is defined, for the purpose of this policy, as "unsolicited, deliberate or repeated sexually derogatory statements, gestures or physical contact, which cause discomfort or humiliation. Sexual harassment may involve pressure from a person of either sex against a person of the opposite sex or same sex . . ."
 - 1. Should evidence that a Contractor, or a Contractor's employee, has harassed a student or other individuals, the harasser shall be removed from the job site.

1.28. EMPLOYEE-STUDENT RELATIONSHIPS

- A. Except in an emergency situation involving safety, intermingling of the Contractors' employees and the school faculty, staff and students is be avoided. Contractor or Subcontractor personnel violating this requirement shall be removed from employment at this site. The Contractor Superintendent shall monitor this to the best of his ability. Contractor employees experiencing problems with students or faculty shall report same to their Project Superintendent, who shall promptly report the problem to an authorized representative of the Owner and the Architect/Engineer.

1. Avoid profanity and inappropriate subject matter in conversation as students and staff may be within audible range and walls or ceiling spaces may allow sound transmission.
2. Verbal or physical action interpreted as sexual in nature or as sexual harassment will be grounds for removal of the employee. Further legal action remains the option of the persons affected.
3. In all aspects of this provision, the Contractor's employees as adults have the greater responsibility and should not respond to inappropriate student behavior.

1.29. BACKGROUND INVESTIGATION AND SEX OFFENDERS ON SCHOOL GROUNDS

- A. Illinois Criminal Background checks are applicable to this Contract. The Contractor or subcontractor shall only send construction workers to the site that have successfully submitted to the District consent forms allowing background checks to be made, per 105 ILCS 5/10-21.9 and 105 ILCS 5/14-7.02
- B. The Contractor shall provide:
 1. Prior to start of work; maintain a list available to the Owner of all the employees who will be or are anticipated will be employed on site. This list shall be updated when new persons not originally listed will be working on site. This list shall also include names of personnel employed by subcontractors.
 2. Persons temporarily on site such as truck drivers or employees making deliveries do not need to be listed, but the Owner reserves the right to request a background check.
 3. Provide an affidavit to the Owner that the Contractor or his subcontractor has performed an ISP background check by name on all personnel on site.
 4. Copies of employee lists and affidavits shall be promptly provided to the owner upon request.
- C. The Contractor shall not knowingly employ on school grounds any person who has not signed or will not sign an authorization for a criminal background check.
- D. The Owner reserves the right to run fingerprint background checks on any or all employees on site, randomly or specifically, and the cost of this check will be borne by the Owner. Upon request, provide information, which will not be shared, as needed to complete checks. This may include SSN, home addresses, fingerprint, address, etc. and any alias or former names used.
- E. The Contractor shall assume the responsibility to notify all on site employees or potential employees of this provision, and of the consequences of this provision.

1.30. SUBSTANCE ABUSE PREVENTION ACT ON PUBLIC WORKS PROJECTS

- A. The Contractor shall comply with 820 ILCS 265/ which establishes a process for Drug Abuse on Public Projects. The Contractor shall have in place a

written program that meets the requirement of this Act.

- 1.31. **PROJECT ACCESS:** The Contractor shall be aware that the Town of Normal, respectively, has authority over various approach roads for site access and the Contractor is responsible to observe load limits and arrange for any exceptions to load restrictions that may be required for this project. Arrangements for road cleanup, barricades and surface patches and repairs shall comply with city requirements.
- 1.32. **EQUAL OPPORTUNITY EMPLOYMENT:** The following clause is applicable unless this Contract is exempt under the rules and regulations of the Secretary of Labor of the State of Illinois.
- A. During the Performance of this Contract, the Contractor agrees as follows:
1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age or national origin. The Contractor will take affirmative action to ensure that all applicants are considered and that employees are treated, during employment, without regard to their race, color, religion, sex, age or national origin."
- 1.33. **SALES TAX**
- A. Materials supplied to a public school district are exempt from state sales taxes.
1. Sales tax exemption number for Unit District No. 5 is: E9994-9091 exp. date 03/01/2025
- B. The Contractor shall determine the extent of exemption and shall comply with the regulations established by the Illinois Department of Revenue and allow for this in his proposal.
- 1.34. **BUILDING PERMITS**
- A. This project is exempt from local permit fees associated with the construction.
1. This Contractor shall fully cooperate with the local authorities and comply with local regulations and requirements. The fee is exempt.
2. Provide necessary permit related information to local city authorities if requested to do so.
3. Architect will provide Drawings and Specifications to Town of Normal Building Safety Dept. if requested.
4. Architect will assist Owner in obtaining a Building Permit from the Regional Office of Education, DeWitt, Livingston & McLean Counties.
- 1.35. **PREVAILING WAGE:** The Contractor shall pay and shall require his subcontractors to pay the prevailing hourly wages for the type of work performed in the job locality as is determined by the Illinois Department of Labor pursuant to the Illinois Prevailing Wage (820 ILCS 130/1 et. seq.) included at the end of this section. **Provide Certified Payroll data per Dept. of Labor and HB 188.**

1.36. ILLINOIS STEEL PROCUREMENT ACT 30 ILCS 565/1

The Contractor is to be aware that a point of origin certification to show compliance with 30 ILCS 565/1 may be requested for any steel fabricated item and shall demonstrate compliance with the law.

A. Exemptions:

1. Products costing less than \$500
2. Products not produced in the United States in sufficient quantity to meet schedules
3. Products purchased or produced in the United States would increase purchase cost by more than 10%

CONTRACT CHECKLIST

1.37. Proposal:

- A. Proposal Form properly filled out and signed, (live signatures)
- B. Bid Bond/Bid Security for 5% of base bid amount (live signatures)
- C. Return of documents within ten (10) working days after bid due date

1.38. Letter of Intent:

- A. Proposal & Contract Form prepared by the Architect
- B. Labor and Material Payment Bond, two copies (15 days after Award)
- C. Performance Bond, two copies (15 days after Award)
- D. Insurance Certificates, liability and hold harmless, 2 copies (7 days after Award) *
- E. Master Cost Breakdown (7 days after Award)
- F. Bar Graph Progress Schedule, copies as required (7 days after Award)
- G. Supplier List, 2 copies (7 days after Award)
- H. Subcontractors List, 2 copies (7 days after Award)

1.39. Periodic Application for Payment:

- A. Submit per the monthly scheduling, to be determined
- B. Application and Certificate for Payment, 3 copies (AIA G702A)
- C. Contractor's Affidavit, 2 copies (AIA G706)
- D. Breakdown Estimate, 3 copies
- E. Partial Waivers of Lien, 2 copies
- F. Partial Waiver of Lien from Subcontractors/Suppliers, 2 copies
- G. Updated Progress Schedule, resubmit with each pay request
- H. Contractor's payroll information per HB 188.
- I. Insurance Certificate covering materials stored off site, 2 copies

1.40. Final Application for Payment:

- A. Letter to Architect that deficiency work is complete
- B. Final Lien Waiver from the Contractor, 2 copies
- C. Final Lien Waivers from Subcontractors/Suppliers, 2 copies
- D. Final Affidavit showing \$0.00 due to Subcontractors and \$0.00 due to Suppliers, 2 copies
- E. Final Payment Approval Letter from Bonding Co., 2 copies
- F. Certification of all guarantees, 2 copies
- G. Final Application & Certificate for Payment, 3 copies (AIA G702A)
- H. Additional certifications as may be requested, 2 copies
- I. Operating manuals & instructions, 3 copies-indexed and bound

*THE OWNER AND THE ARCHITECT/ENGINEER MUST BE NAMED ADDED INSURED AND MUST BE SO LISTED ON THE CERTIFICATE OF INSURANCE.

END 00040

DIVISION 0 - BIDDING & CONTRACT REQUIREMENTS
Section 00045 – Prevailing Wage

1. GENERAL

- 1.1. This is a project requiring the payment of prevailing wages. Proper written notification as required under Public Act 96-0437:

This contract calls for the construction of a “public work,” within the meaning of the Illinois Prevailing Wage Act, 820ILCS 130/01 *et seq.* (“the Act”). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the current “prevailing rate of wages” (hourly cash wages plus amount for fringe benefits) in the county where the work is performed. The Department publishes the prevailing wage rates on its website at <http://labor.illinois.gov/>. The Department revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the Department’s web site for revisions to prevailing wage rates. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor’s website. All contractors and subcontractors rendering services under this contract must comply with all requirements of the Act, *including but not limited to*, all wage requirements and notice of record keeping duties.

- 1.2 Certified payroll reporting is required and is the responsibility of the contractor to provide, P.A. 094-0515

END 00045

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS

Section 00270 – General and Supplementary Conditions

1. GENERAL

1.1. GENERAL CONDITIONS

- A. The conditions outlined in this and following paragraphs are to supplement and complement the conditions found in the articles of the AIA Document A201, 2007 Edition.
 - 1. Included in these Specifications by reference is AIA Document A201 General Conditions.
- B. AIA Document A201, 2007 Edition, can be purchased directly on line from a variety of vendors including the AIA and are available in electronic format as well as printed.
 - 1. AIA A201 2007 version can be reviewed at the Architects office without charge.
- C. To the page one of the AIA A201 General conditions Document:
 - 1. Project: Parkside Junior High School FACS Rm 155 Remodel
101 N. Parkside Rd., Normal, IL 61761
 - 2. The Owner: McLean County Unit District No. 5, 1809 Hovey Ave.,
Normal, IL 61761
 - 3. The Architect: Middleton Associates Incorporated, 1702 W. College
Ave., Suite E, Normal, IL 61761

1.2. SIGNING OF DOCUMENTS AND INSTRUMENTS OF THE CONTRACT

- A. All documents shall be signed by persons fully and duly authorized to so sign. Any documents signed by a person other than person prescribed by the Contractor's legal organization shall enclose with his signature the evidence of "Power of Attorney."

2. SUPPLEMENTARY GENERAL CONDITIONS

2.1. SUPPLEMENTS TO AIA DOCUMENT A201 (2007 EDITION) THE GENERAL CONDITIONS OF THE CONTRACT.

- A. The following sections represent modifications or additions to the AIA A201 - 2007 Document.
- B. TO ARTICLE 2/OWNER
 - 1. Add Subparagraph 2.2.2.1 Easements off site required by the Contractor to execute the work, such as space for storage, access, scaffolding, lane enclosure, etc., shall be arranged for by the Contractor and included in the contract amount.
- C. TO ARTICLE 3 CONTRACTOR

1. To Subparagraph 3.3.1, delete the last two (2) sentences listed under 3.3.1 in their entirety.
2. To Subparagraph 3.3.1 insert: If the Contractor determines that such means, methods, techniques, sequences or proceedings may not be safe, or may not be appropriate to the equipment and task as becomes apparent, then said Contractor shall have included in his proposal amount allowance to complete this work per a revised plan for which he can assume responsibility and shall notify the Owner and Architect before proceeding. In no case do the Owner and Architect take responsibility for directing Contractor Operations.
3. To Subparagraph 3.12
 - a. Add 3.12.6.1 Submittals unmarked will not be reviewed at the Architect's option. Said unmarked submittals may be returned to the Contractor for re-submittal and the time loss shall not extend the time of completion of the project.
 - b. Add 3.12.6.2 Submittals reviewed by the A/E and returned or held as a record copy presume the Contractor responsibilities in paragraph 3.12.6 have been included whether noted or not.

D. TO ARTICLE 5 SUBCONTRACTORS

1. To Subparagraph 5.2
 - a. Add 5.2.5 The assignment of work or a portion of the work by the Contractor to Subcontractor(s) is the election of the Contractor and in no way changes or reduces the Contractor's obligations under the Contract to properly complete the work and/or provide clear title to the work, including the work by said Subcontractor(s).

E. TO ARTICLE 7 CHANGES IN THE WORK

1. To Subparagraph 7.1.2
 - a. Add 7.1.2.1 The Contractor and/or his Subcontractor shall not proceed with any work, directive or change for which he intends to claim extra cost without providing written notice to the Architect.
 - b. Add 7.1.2.2 The Architect and Owner shall provide response to claims for additional cost within a reasonable time period upon receipt of notice or quote.
 - c. Add 7.1.2.3 Work for which an agreement cannot be reached prior to implementation can proceed as time and material work with all parties to agree on what is additional work over that which should have been included to complete the work as originally intended.

2. To Subparagraph 7.2.2
 - a. Add 7.2.2.1 Change Order quotes shall be based on an approved quote or estimate which shall be based on labor and material cost, actual or estimated as prior agreed upon, and:
 - b. Add 7.2.2.2 Overhead and profit may be charged proportional to this category of work on the Contractor's CSV or not to exceed the greater of:
 - 1) Fifteen percent (15%) for the Contractor's own work forces
 - 2) Ten percent (10%) Subcontractor plus ten percent (10%) Contractor, for twenty percent (20%) total for work completed under a Subcontractor arrangement.
 - 3) These allowances shall include all off site and indirect costs, including insurance, project management, bonds and profit.

F. TO ARTICLE 9 PAYMENT AND COMPLETION

1. To Subparagraph 9.6.1
 - a. Add 9.6.1.1 Wherein the Owner is governed by a public Board, payment requests must be received by the A/E 5 days prior to the established time for entering into agenda prior to the next regular Board Meeting. Payments will be made within twenty-five (25) days following Board approval. Failure to make agenda dates will result in a minimum one (1) month delay in payment.

G. TO ARTICLE 10 PROTECTION OF PERSONS AND PROPERTY

1. To Subparagraph 10.2.1
 - a. Add 10.2.1.4 The Contractor shall be responsible to provide and maintain on site MSDS Sheets for all required materials to be brought on site.
 - 1) These sheets shall be readily available upon request to the owner on remodeling renovation projects which are Owner occupied.
 - 2) Comply with VOC regulations.
 - 3) Comply with IEPA regulations.
2. To Subparagraph 10.2.3
 - a. Add 10.2.3.1 Provide for the general safety of public and Owners employees, such safety provision shall be adjusted as appropriate to the age and volume of public anticipated in the project vicinity.
 - b. Add 10.2.3.1 Provide for traffic safety as appropriate to the

operations; cooperate with the governing authorities on road activities, lane closures, excavations, surface cleaning etc.

H. TO ARTICLE 11 INSURANCE & BONDS

1. To Subparagraph 11.1.2

a. Add 11.1.2.1 Minimum Limits of Liability for preceding coverage are:

- 1) Workers Compensation - Statutory Limit
- 2) Applicable Federal (*such as Longshoreman's*) Statutory limits.
- 3) Liability Insurance may be written as Comprehensive General Liability policy form or Commercial General Liability policy form with the following coverages:

- a) Bodily Injury - \$1,000,000 each occurrence, \$2,000,000 aggregate
- b) Property Damage - \$1,000,000 each occurrence, \$5,000,000 aggregate.
- c) Property Damage – Broad Form - \$1,000,000 each occurrence, \$2,000,000 aggregate.
- d) Personal injury (*with employment clause deleted*) \$1,000,000 aggregate.
- e) Products and completed operations \$1,000,000 to be maintained one year following final completion.
- f) Business Automobile Liability, (*including owned and non-owned and hired vehicles*)
- g) Bodily Injury and Property damage \$1,000,000 each person, \$1,000,000 each occurrence.

- 4) Umbrella Insurance \$10,000,000 over primary insurance limits.
- 5) \$10,000 Retention for self insured hazards each occurrence
- 6) In the event that a claim is filed or a settlement reached whether related to this project or not which compromises the aggregate limits of liability then the Owner and Architect shall be notified and arrangements shall be made to provide additional insurance as needed to keep aggregate limits in force for the remainder of the Contract.

2. To Subparagraph 11.1.4

a. Add 11.1.4.1 The Owner, Architect, and Consulting Engineers including their employees and representatives shall be included as Additional Insureds or Named Insureds on the insurance and shall be shown as such on the Certificate.

3. To Article 11
 - a. Add 11.1.5 Contractor's insurance shall be maintained in force through basic warranty and guarantee periods, not less than one (1) year following Final Completion.
4. To 11.3. Property Insurance
 - a. Add 11.3.1.1 The Owner's property and vandalism insurance has \$1,000 deductible. The Contractor shall insure and thus pay the costs not covered by the Owner's deductibles.
 - b. Add 11.3.1.2 The Owner's Builder's Risk will cover only normally included Owner risks, on site, Owner's interest only, excluding tools and property of the Contractor and improperly stored or unsecured materials.
5. To Paragraph 11.4.1 add the following Subparagraphs:
 - a. Add 11.4.1.1 The Contractor shall furnish Performance and Labor and Material Payment Bonds covering the faithful performance by the Contractor of the work specified in accordance with the plans and specifications and according to the time and terms and Conditions of the Contract, and also that the Contractor shall properly pay all debts incurred in the prosecution of the work, including those for labor and materials furnished and including labor obligations as interpreted by the Illinois Department of Labor and/or the courts.
 - b. Add 11.4.1.2 The cost of each bond shall be included in the Contract Sum plus any changes to the Contract Sum. The Contractor shall include in all bonds provisions as will guarantee faithful performance of the prevailing wage provisions of the Contract if applicable.
 - c. Add 11.4.1.3 Bonds shall be written by surety, approved by Owner, with a minimum rating of B or better, Financial Class V, or higher, in A.M. Best's Insurance Guide, current edition. The company must also be licensed in the State of Illinois.
 - d. Add 11.4.1.4 The Contractor shall require the attorney-in-fact who executes the bonds on behalf of the surety to affix thereto a certified and current copy of power-of-attorney.
 - e. Add 11.4.1.5 The Contractor shall deliver the required bonds to the Owner not later than fifteen (15) days following the date the agreement is executed.

I. TO ARTICLE 12 UNCOVERING AND CORRECTION OF WORK

1. To Subparagraph 12.2.2.1 After Substantial Completion:
 - a. Add 12.2.2.1.1 Latent Defects, for a period of 10 years after Substantial Completion, upon demand by the Owner, the Contractor shall promptly repair or replace, including associated work repairs and cleanup necessary, defective or

- non-conforming work resulting from or constituting latent defects, fraud, fraudulent concealment or gross negligence.
- b. Add 12.2.2.1.2 Seasonal equipment such as temperature controls and building systems subject to seasonal loads such as heating equipment and air conditioning, shall be warranted to perform as intended for two years. Exception would be equipment damaged by incorrect operation or maintenance procedures, specifically covered in training, but improperly implemented by the Owner.
 - c. Add 12.2.2.1.3 Prompt Repair. Upon notice from the Owner or Architect of defects or nonconforming work, the Contractor shall promptly visit the site in the company of the Owner's representative to determine the extent of all defects or nonconforming work. The Contractor shall provide all labor, material and equipment to promptly repair or replace the defective or nonconforming work. The repair shall include all adjacent work not necessarily provided by the Contractor, but damaged as a result of correcting or remedying such defects or non-conforming work. If the Contractor does not promptly pursue correction, the Owner may repair or replace such work and charge the cost to the Contractor. Work which is repaired or replaced by the Contractor shall be inspected and shall be warranted by the Contractor in accordance with this Article.
 - d. Add 12.2.2.1.4 The warranties set forth herein are in addition to all warranties or guarantees expressed or implied by operation of law, statute or ordinance.
2. To Subparagraph 12.2.2.3, Delete the word 'not'. Clarification; all materials and equipment are expected to perform satisfactorily for one year, items or equipment needing periodic attention during the first year of use, shall continue to be serviced by the Contractor until such time that the material, item or equipment is deemed to be doing its intended purpose without repeated service.
 3. To Subparagraph 12.2.5
 - a. Add 12.2.5.1 Extended Warranties and Commercial Warranties. The Contractor shall deliver all commercial and extended warranties received from manufacturers to the A/E prior to Final Payment. Extended warranties and guarantees will be as described under the various trade work sections of these documents, and may be the responsibility of third parties to the contract such as dealers or manufacturer's from whom such extended coverage is specified or as advertised such as a commercial limited warranty of performance or service. Such extended warranties may or may not include labor unless specified, or in the case of commercially advertised warranties as offered by the party selling the product or equipment.
 - b. 12.2.5.2 Prompt Repair. Upon notice from the Owner or Architect of such defects or nonconforming work, the

Contractor shall promptly visit the site in the company of the Owner's representative to determine the extent of all defects or nonconforming work. The Contractor shall provide all labor, material and equipment to promptly repair or replace the defective or nonconforming work. The repair shall include all adjacent work not necessarily provided by the Contractor, but damaged as a result of such defects or non-conforming work or as a result of remedying them. If the Contractor does not promptly repair or replace defective or non-conforming work, the Owner may repair or replace such work and charge the cost thereof to the Contractor. Work which is repaired or replaced by the Contractor shall be inspected and shall be warranted by the Contractor in accordance with this Article. The warranties set forth herein are in addition to all warranties or guarantees expressed or implied by operation of law, statute or ordinance.

J. TO ARTICLE 13 MISCELLANEOUS PROVISIONS

1. To Subparagraph 13.1

- a. Add 13.1.1 Location of the project is Illinois.
- b. Add 13.1.2 The Contractor shall, to the best of his knowledge and capability, perform all work encompassed by the documents, in compliance with the Environmental Barriers Act (Ill. Rev. Stat. 1985, ch. 111-1/2, pars. 3711 et seq. as amended), the Illinois Accessibility Code, 71 Illinois Administrative Code 400; The Uniform Federal Accessibilities Standards (UFAS); Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990 (effective January 26, 1992) known as ADA requirements. This obligation shall apply to the contractual work described as the project and the conduct of work processes initiated to accomplish the work.
- c. Add 13.1.3 All parties to this Contract are subject to the rules and regulations of the Illinois Department of Human Rights and the statutory requirements thereof, including the requirement that every party to a public contract shall have adopted written sexual harassment policies (PA 87-1257).
- d. Add 13.1.4 It shall be mandatory that the Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin or ancestry, age, marital status, physical or mental disabilities.
- e. Add 13.1.5 Illinois Department of Labor requirements. It shall be mandatory upon the Contractor to whom the Contract is awarded and upon any Subcontractors thereof to be in compliance with applicable wage and reporting regulations. This project is a Prevailing Wage Public Works contract.

2. To Subparagraph 13.3.
 - a. Add 13.3.1 Notice served by facsimile (fax) to facsimile number used during bidding and construction shall be official written notice.
 - b. Add 13.3.2 Notice served by electronic means (email) to the electronic address used during bidding and construction shall be official written notice.
 - c. Add 13.3.3 The Bidder shall notify the Architect and/or the Owner at anytime of changes in the facsimile or electronic contact addresses that will reach the contractor. Failure to so notify is the Contractors responsibility.

K. TO ARTICLE 15 CLAIMS AND DISPUTES

1. To Subparagraph 15.3.1 Delete the word 'SHALL' and Insert the word 'MAY'.
 - a. Add 15.3.1.1 Mediation may be employed to resolve disputes if agreed to by both parties to the Contract.
2. To Subparagraph 15.4.1 Delete the word Shall and insert the word 'MAY'.
 - a. Add 15.4.1.1 Arbitration may be employed to resolve disputes if agreed to by both parties to the Contract.

End 00270

DIVISION 0 – BIDDING & CONTRACT REQUIREMENTS
Section 00300 – Proposal Form

1.1. WORK INCLUDES

- A. All work included on the Drawings and Specifications for Project No. 24202318-Parkside Junior High School FACS Rm 155 Remodel.
- B. Contractor submit bid on the following pages: 00300-2, 00300-3 and 00300-4.

1.2. **Include \$4,000.00 to Base Bid on the Parkside Junior High School FACS Rm 155 Remodel Proposal as an allowance for unforeseen conditions.**

- A. **Any unused portion of allowance will be returned to Owner at the conclusion of the work.**

PROPOSAL FORM

Bid form may be copied, original signatures are required

PROJECT TITLE: McLean County Unit District No. 5, Parkside Junior High School FACS Rm 155 Remodel

DATE OF PROPOSAL: **Thursday, May 21, 2020** TIME: **1:30 p.m.** prevailing time

LOCATION OF BID: McLean County Unit District No. 5 Warehouse
Attn: Joe Adelman
1999 Eagle Rd.
Normal, Illinois 61761

NAME OF FIRM: _____

PROPOSAL FOR: All work single contract

A/E PROJECT NO. 24202318

THE BID ACKNOWLEDGES THE FOLLOWING ADDENDA (as applicable):

Failure to acknowledge may cause bid rejection

NO. 1 _____, NO. 2 _____, NO. 3 _____, NO. 4 _____, NO. 5 _____

EACH BID SHALL INCLUDE:

- A. The bid forms and certifications completed and signed, (*this form may be copied.*)
- B. Bid security (bid bond) (*standard industry forms may be employed*)
- C. BIDS SHALL INCLUDE \$4,000.00**ALLOWANCE** – See 00040 (1.21 Allowance)

**BASE BID: McLean County Unit District No. 5
Parkside Junior High School FACS Rm 155 Remodel**

The bidder agrees to perform all base bid work, inclusive of all trades for the sum of:

_____ **Dollars**
BASE BID WRITTEN AMOUNT

\$ _____
Base Bid Numerical Amount

ALTERNATE BID(S) Alternates may be proposed for this work.

No. 1 Solid surface countertops **ADD\$** _____

No. 2 this space reserved for alternate if added by addendum
ADD/(DEDUCT) \$ _____

VOLUNTARY ALTERNATES OR SUBSTITUTIONS

Did you offer or include voluntary alternates or product substitution on form provided.

YES _____ **NO** _____

SEE PRODUCT SUBSTITUTION OR VOLUNTARY ALTERNATES FORM, ATTACH IF ANY ARE OFFERED. Voluntary alternates or substitutions may or may not be considered in making the award and are not required.

THE BIDDER AGREES TO:

1. Hold this bid open for twenty (20) calendar days after bid opening date.
2. Enter into and execute a contract with McLean County Unit District No. 5 if awarded this contract.
3. Comply with the contract and bidding documents with respect to bid security, all bonds, insurance, work requirements, schedule and Bonus / Penalty Clause
4. Comply with the Contract Documents with respect to scheduling as described in the documents, noted on drawings.

THE BIDDER MAKES THE FOLLOWING REPRESENTATIONS AND CERTIFICATIONS:

- A. A surety company has agreed to issue payment and performance bonds to fulfill the contracting requirements.
- B. The Bidder is not barred from contracting with any unit of state or local government as a result of violating the bid rigging or bid rotating provisions contained in 720 ILCS 5/33E.
- C. The Bidder is not barred from contracting with the State of Illinois as a result of a bribery conviction per 30 ILCS 505/10.2.
- D. All on site labor and wage compensation provided by this contractor or his subcontractors will comply with the Illinois Prevailing Wage Act (820 ILCS 130E).
- E. This proposal is made without any connection with any person making another bid for the same contract, that the bid is in all respects fair and without collusion or fraud, that no member of the McLean County Unit District #5 School Board, other officer or any person in the employment of McLean County School District No. 5 is directly or indirectly interested in the bid or any portion of the profit there from, except as allowed by the Illinois Law or the Illinois School Code.
- F. I agree to provide a drug-free workplace as required by the Illinois Drug-free Workplace Act.
- H. I do hereby certify that I am either the bidder or duly authorized agent of the referenced bidder, and I am authorized to execute the certifications hereon.
- G. I certify that by submission of this proposal the bidder confirms that he is familiar with the site, existing conditions, the Bid Documents, requirements and the project schedule.

CONTRACTOR:

Firm Name: _____

Address: _____

Telephone: _____

FAX: _____

Email: _____

Date: _____

END 00300

SIGNATURE:

Title: _____

For Corporations Only

SUBCONTRACTOR: Proposed for work on this project.

HVAC: _____

PLUMBING: _____

ELECTRICAL: _____

CONCRETE: _____

MASONRY: _____

DIVISION 0 - BIDDING & CONTRACT REQUIREMENTS
Section 00307 - Voluntary Alternate and Substitution Form

The Bidder should include this form with the Bid Forms if a material substitution is offered at that time.

The Base Bid and Alternate Bids include only those products specified in the bidding documents. Following is a list of substitute products which bidder proposes to furnish on this project, with the difference in price being added to or deducted from the Base Bid or Alternate Bids.

Bidder understands that acceptance of any proposed substitution is at Owner's option. Approval or rejection of any substitutions listed below will be subject to review after Contract award. Hold open for thirty-five (35) days from Bid Date.

SUBSTITUTIONS

MANUFACTURER'S NAME AND PRODUCT	ADD OR (DEDUCT)
_____	_____
_____	_____
_____	_____
_____	_____

VOLUNTARY ALTERNATE

DESCRIPTION	ADD OR (DEDUCT)
_____	_____
_____	_____
_____	_____
_____	_____

EVALUATION. Contract award will be made in accord with Instructions To Bidders. Only the lowest responsible bidder's Proposed Product Substitution Voluntary Alternates Form will be evaluated. Contract award will be established by adding the BASE BID plus any required alternates selected by the Board of Education.

Attach with herewith or submit on day of bid a general description of the proposed option being offered.

Provide detailed information promptly upon request.

END 00307

1. GENERAL

1.1. REQUIREMENTS INCLUDE

A. Base Bid: Parkside Junior High School FACS Rm 155 Remodel

1. Existing cabinets will be removed under ACM contract.
2. Existing four (4) dividers between base cabinets will be removed under ACM contract..
3. ACM 12" x 12" floor tile will be removed under ACM contract.
4. Install in this contract:
 - a. New floor tile.
 - b. New dividers four (4) as shown on drawings
 - c. New casework and countertops.
 - d. Re-install existing St Steel Sinks.
 - e. Install new faucets drains, tailpieces traps to existing sanitary.
 - f. Electrical, Install retractable pull down extension cords.
 - g. All associated work to complete the work

B. By submitting a proposal pursuant to these Specifications and the Drawings, the Contractor shall have confirmed over his signature that he has verified all pertinent dimensions set forth on the Drawings and that his bid confirms that verification.

C. See Alternate 1.

1.2. PRODUCTS FURNISHED BY OTHERS: All products, components, spaces, and equipment furnished by the Owner are currently in place.

A. All products furnished and installed under the contract shall be new, furnished and installed by the Contractor.

B. Contractor's Duties:

1. Designate specific delivery date for each product in approved construction schedule.
2. Promptly inspect delivered products, report damaged or defective items.
3. Handle at site, including unloading, uncrating, and storage.
4. Protect all material from exposure to elements until installation.
5. Repair or replace items damaged as result of Contractor's operations.
6. Install, connect and finish products in assembly function ready.

1.3. WORK SEQUENCE

A. McLean County Unit District No. 5 will occupy the facilities until **May 31, 2020**. (This date may be earlier depending on snow days and COVID-19 considerations). The Owner will occupy the building after **August 15, 2020**.

1. The Contractor may start work on June 1, 2020 with proper safeguards to protect building occupants both inside and outside the

building and with safeguards in place to control noise and dust.

- B. Coordinate with the school building administrator and with the District Director of Operations, Joe Adelman, 309/275-8803.
- C. Comply with Covid-19 distancing/face masks.

1.4. CONTRACTOR USE OF PREMISES

- A. Confine operations at site to areas permitted by:
 - 1. Law
 - 2. Contract
 - 3. Coordinate activities at the project with the Owner's Representative (chief administrator at each building).
- B. Do not unreasonably encumber site with materials or equipment. Do not block the Owner's pedestrian traffic patterns except as prior arranged with the Owner's approval.
- C. Do not load structure with weight that will endanger structure. See Section 01620.
- D. Assume full responsibility for protection and safekeeping of products stored on premises. See Section 01620.
- E. Move all stored products or equipment which interfere with operations of the Owner or other contractors.
- F. Obtain and pay for use of additional off site storage or work areas needed for operations.
- G. Limited use of site for work and storage:
 - 1. Use public access ONLY, now in service. Parking ONLY as prearranged with the Owner.
 - 2. All vehicular on site activity shall have been prearranged and approved by the Owner.

1.5. CONTINUOUS OCCUPANCY BY OWNER

- A. Owner will occupy areas for purposes of public education and general maintenance during construction.
- B. Contractors shall provide:
 - 1. Access for Owner's personnel and attending pupils when applicable.
 - 2. Operation of electrical and ventilation systems with a minimum of down time.
 - 3. Operation of exhaust systems with a minimum of down time. Wherein ventilation systems require down time, the same shall be arranged and scheduled with school personnel.
- C. After the work is accepted by the Owner, the Owner will provide:

1. Custodial services
2. Security
3. General custodial maintenance

END 01010

DIVISION 1 – GENERAL REQUIREMENTS

Section 01030 - Alternates

1. GENERAL

1.1. DESCRIPTION

- A. Work included in alternates shall be commensurate with and in compliance with all the applicable project specifications and conditions and shall include all necessary related project adjustments and additional labor and/or material as may become apparent to complete the alternative work. No additional charge will be considered after bidding for the purposes of making additional construction or adjustments in order to accomplish alternative work that has been included in the Contract.
- B. All Base Bid requirements and material specifications and workmanship not specifically mentioned in the alternate shall apply to the alternates as is set forth therein.
- C. Incidental Work: All necessary adjustment in the work shall be made to accommodate accepted alternates.

1.2. ALTERNATE BIDS

- A. Alternate 1: Delete the plastic laminate counter top(s) and provide solid surface countertops and back splash.
 - 1. Material to be
 - a. Corian
 - b. Formica
 - c. Meganite
 - 2. Color selections will be basic line above solid color

END 01030

DIVISION 1 - GENERAL REQUIREMENTS

Section 01040 - Field Engineering

1. GENERAL

1.1. SUPERINTENDENT OF THE PROJECT WORK

- A. The Contract shall designate a person who shall be the General Superintendent of on site construction work encompassed by the Contract Documents.
 - 1. Said designated superintendent shall have prior served as project superintendent of construction of similar nature and size. Qualifications shall be subject to the Owner's and Architect's review.
 - 2. Superintendent shall remain superintendent for the duration of the project unless said persons shall become disabled, no longer employed and/or the Contractor provides notice to the Architect and the Architect approves the change.
 - 3. Owner can request superintendent replacement for cause at any time

1.2. DESCRIPTION OF DRAWINGS AND LAYOUT

- A. Drawing data is intended to be reasonably accurate, however, strict accuracy in detail is not guaranteed. See Section 00040-2/1.4 A & B. The Contractor must verify all of the conditions, measurements, dimensions, rough-in requirements, piping, conduit, wiring, duct work requirements and coordination necessary for each item or piece of equipment in the Contract Documents. Verification is the Contractor's responsibility and shall be completed prior to the fabrication or installation processes. All corrections necessary to provide properly installed, finished and operable system, in accordance with the intent of the Documents, shall be made at no cost beyond the contract agreement.
- B. All measurements and conditions must be verified by actual observation at the building and the Contractor shall be responsible for all of his work fitting into place in a satisfactory and workmanlike manner in every aspect and detail subject to the approval of the Architect. The Contractor shall provide layout work and verification measurement at his own cost.
- C. Before starting his work, the Contractor shall examine all Contract Area Drawings and Specifications and if any discrepancies occur, he shall report same to the Architect IN WRITING and obtain WRITTEN INSTRUCTIONS for interpretation of the work. The Contractor shall perform all layout work pursuant to site, building, grades and levels, and furnish such engineering services as he may require to execute the intent of the work included.
- D. The Drawings are instructive and diagrammatic and shall be followed as closely as actual construction will permit. All changes from Drawings necessary to make the work of the Contractor conform to the documents shall be done at no added cost charge to the Owner above the amount shown on the Owner/Contractor Agreement.

- 1.1. PROJECT ACCESS: The Contractor shall be aware that the Town/City, Township, County or State has authority over various approach roads for site access and the Contractor is responsible to:
 - A. Observe load limits and arrange for any exceptions to load restrictions that may be required for this project.
 - B. Make arrangements for road cleanup, barricades and surface patches and repairs shall comply with applicable regulations and be subject to the governing authority approval.

- 1.3. PROTECTION OF WORK
 - A. The Contractor shall protect all work and stored materials from injury caused by or resulting from operations under this Contract, including physical damage or weather-caused damage.

- 1.4. MATERIALS, WORKMANSHIP, AND LABOR
 - A. All installed materials and equipment shall be new and shall be installed and completed in a first class, workmanlike manner.
 - B. The Architect reserves the right to direct the removal and the replacement of any item which, in his opinion, does not present a proper, orderly or reasonably neat installation. Such removal and replacement shall be done promptly when directed by the Architect or the Owner. All installations will be subject to the Architect and Owner's inspections, tests, and approval at all times from commencement of the work to Final Acceptance of the completed Contract.
 - C. Work needing correction or replacement that is not corrected with reasonable promptness shall be subject to written notice thereof by the Architect. The Contractor by virtue of having tendered his bid for the work, agrees that progress payments by the Owner may be held (no payment made) until said faults have been corrected.

- 1.5. CLEANING UP
 - A. All surfaces shall be cleaned of any paint, plaster, mortar, gook and other stains. Care shall be taken that no surface is scratched, marred or damaged in cleaning.
 - B. Damaged, marred or scratched surfaces of any type shall be made right, sanded smooth (to bright metal for metal surfaces) and primed and painted as directed or replaced if necessary to provide a final installation acceptable to the Architect.

END 01040

DIVISION 1 – GENERAL REQUIREMENTS
Section 01045 - Cutting & Patching

1. GENERAL

1.1. WORK INCLUDED

- A. Execute cutting, filling or patching of work, required to:
 - 1. Make several parts fit properly.
 - 2. Uncover work to provide for installation of ill-timed work.
 - 3. Remove and replace work not conforming to Contract requirements.
 - 4. Remove existing construction as needed.
 - a. Where cabinets are removed to install new heat pumps, the Owner will replace exposed un-tiled floor.
 - 5. Install specified work in existing construction.
 - a. Provide appropriate transition to existing material.
 - 6. Install lintels in masonry opening cut by mechanical trades including masonry work.
- B. In addition to Contract requirements, upon written instruction of Architect/Engineer:
 - 1. Uncover work to provide for observation of covered work.
 - 2. Remove samples of installed materials for testing when required.
 - 3. Remove work to provide for alteration of existing work.
- C. Do not endanger structural work by cutting or altering structural elements.
- D. Where the Contractor hauls material or drives trucks or equipment over sidewalks, pavement, streets or curbs, he shall protect same from damage and where such surfaces have been damaged, he shall neatly cut out, remove and replace same. Where the Contractor damages or defaces streets, sidewalks or curbs, he shall, as a part of his Contract, re-lay all such surfaces at the same thickness and manner as the original pavement, sidewalk or curb and in a manner that will be approved and accepted by the Owner, Architect/Engineer and governing authority.
- E. The Contractor shall provide such cutting and patching as shall be needed to complete the Contract to make the various and several parts and/or components fit together.

1.2. RELATED WORK

- A. Specified elsewhere
 - 1. Section 01120 – Remodeling Project Procedures

2. 02072 – Minor Demolition for Remodeling

1.3. SUBMITTALS

- A. Prior to cutting which affects structural safety to building submit WRITTEN NOTICE to the Architect/Engineer requesting consent to proceed with cutting, including:
1. Project identification.
 2. Description of affected work.
 3. Necessity for cutting.
 4. Effect on other work and structural integrity of project.
 5. Description of proposed work. Designate:
 - a. Scope of cutting and patching.
 - b. Contractor and trades to execute the work.
 - c. Products proposed to be used.
 - d. Extent of refinishing.
 6. Alternatives to cutting and patching.
 7. Designation of party responsible for cost of cutting and patching.
- B. Prior to cutting and patching to implement change order work in contract scope, done on instruction of Architect/Engineer, submit cost estimate to the Architect/Engineer.
- C. Should conditions of work or schedule indicate change in materials or methods, submit recommendation to Architect/Engineer including:
1. Condition indicating change.
 2. Recommendation for alternative materials or methods.
 3. Submittals as required for substitutions.

1.4. PAYMENT OF EXTRA EXPENSE

- A. Costs caused by ill-timed work, defective work or work not conforming to Contract Documents, including costs for additional services of the Architect/Engineer, shall be borne by the Contractor.
- B. Work done on instruction of the Architect/Engineer (by change order) other than defective or nonconforming work shall be paid for by Owner pursuant to prior written agreement via Change Order.
- C. Unforeseen conditions when exposed may be considered as an extra expense and if so will be paid by Owner.

2. PRODUCTS

- 2.1. MATERIALS: Materials for replacement of work removed shall be equal to original and to match surrounds or shall comply with specifications for the type of work being replaced, whichever is the most stringent requirement.

3. EXECUTION

3.1. PREPARATION PRIOR TO CUTTING

A. Prior to cutting

1. Provide shoring, bracing, and support as required to maintain structural integrity of project or surrounds.
2. Provide protection for other portions of the project.
3. Provide protection from elements, if applicable.

3.2. PERFORMANCE

- A. Execute fitting and adjustment of products to provide finished installation to comply with specified tolerances, finishes, etc.
- B. Execute cutting and demolition by methods that will prevent damage to other work, and will provide proper surfaces to receive installation of repairs and new work.
- C. Execute excavating and backfilling by methods that will prevent damage to other work and will prevent settlement.
- D. Restore work that has been cut or removed; install new products to provide completed work in accord with Contract Documents.
- E. Refinish entire surfaces as necessary to provide an even finish.
 1. Continuous surfaces: To nearest intersection(s).
 2. Assembly: Entire refinishing.

END 01045

DIVISION 1 - GENERAL REQUIREMENTS
Section 01055 - Anchorage & Fastenings

1. GENERAL

1.1. DESCRIPTION

- A. Provide adequate anchorage and fastenings throughout the work commensurate with the installation conditions.
- B. Anchorage systems shown on the Drawings or specified herein shall be considered a minimum based on theoretical design conditions. The actual field conditions may require additional fastenings to properly accomplish the work.
- C. NOTICE:
 - 1. THESE DOCUMENTS DO NOT PERMIT THE INSTALLATION OF PLASTIC ANCHORS UNLESS SPECIFICALLY ASSIGNED.
 - 2. THE DOCUMENTS REQUIRE THAT IMPACT ANCHORAGE (DRIVEN NAILS AND PNEUMATICALLY DRIVEN ANCHORS) NOT BE INSTALLED ABOVE GROUND FLOOR LEVEL.

1.2. SUBMITTALS

- A. The Contractor shall identify all fastening systems he intends to employ, and provide specification sheets on the fasteners upon request.

1.3. QUALITY CONTROL

- A. All anchorage, fastenings and support systems are the Contractor's responsibility.
- B. All devices, components and associated parts shall be made secure against in-service failure. In no installation shall the fastenings, anchorage and support system be less than what is specifically called for on the Drawings or set forth in the Specifications.
- C. In no case, however, shall the fastenings, anchorage and support systems be less than the Product Manufacturer's recommendations pursuant to the stability of finished assembly or component thereof.
- D. The Contractor shall replace, rework, or reinforce or otherwise correct the fastenings that do not perform adequately.
- E. In general, fastening sizes and spaces are set forth on the Drawings. Wherein same are not, the Architect shall make a determination.

2. PRODUCTS

2.1. MATERIALS

- A. Generally, nails shall be appropriately selected for the service condition.
 - 1. Interior or protected framing: cement-coated box nails.
 - 2. Exterior framing: galvanized box nails.
 - 3. Interior finish work: finish nails.
 - 4. Exterior finish work: painted galvanized box nails for wood and aluminum nails for securing aluminum to wood such as cladding.
 - 5. Interior construction subject to corrosion: nails for exterior work.
 - 6. See Drawings for specific overriding designations materials and spacing limitations.

- B. Generally, screws shall be appropriately selected for the service condition to minimize corrosion, galvanic action or loosening. This includes wood screws, sheet metal screws and machine screws.
 - 1. Interior or exterior protected areas: cadmium plated screws.
 - 2. Exterior weathering conditions: stainless steel, aluminum, or brass screws. See specific designation on Drawings.
 - 3. Head type shall typically be flat head except as detailed, for conditions such as sheet metal or for equipment mounting.
 - 4. Stop bead washers, surface and/or countersunk, shall be provided wherever practical and as specifically called out.
 - 5. See Drawings for specific overriding designations materials and spacing limitations.

- C. Bolts shall be selected for the applicable service condition. In general, bolts shall be cadmium or galvanized A 307 NC thread, except as specified otherwise. Structural bolts shall be as specified. Provide washers for all bolts, and provide lock washers where appropriate. Embedded anchor bolts may be unplated, except where specified otherwise.

- D. Pop rivets may be employed only as specifically approved by the Architect. In general, pop rivets shall be aluminum alloy. Use the largest size pop rivets which can be adapted to the work.

- E. Pneumatic driven hardened steel anchors may be used where specifically approved. Provide washers.

2.2. ASSOCIATED MATERIAL REQUIREMENTS

- A. Washers shall be provided at all locations where practical.
- B. Washers shall be of like material to the fasteners selected.
- C. Use self-sealing neoprene washers at all applications required to be environment-proof.

- D. Use self-sealing neoprene washers wherever galvanic action is possible under normal circumstances. Isolate between unlike fastened material with minimum 20 mil PVC material or similar.
- E. Select appropriately pre-finished, plated, or use base material for the visual exposure condition where fasteners are exposed to view.
- F. All exposed screws and bolts shall be coordinated with the hardware finish. In place field finish to achieve coordination with the hardware finish where necessary.

2.3. PRODUCT SELECTION

- A. Fastener materials shall be as specified previously. The most appropriate selection shall be made from the table below. The fasteners listed are not interchangeable, unless so approved by the Architect/Engineer.
 1. FASTENER RECEIVING MATERIAL: APPROPRIATE FASTENER
 2. Wood framing: cement coated nails, galvanized nails, screws, lag bolts, thru bolts.
 3. Metal framing: self-tapping flat head or pan head screws.
 4. Steel: thru bolts, pneumatic driven fasteners, where detailed or where prior approval is made.
 5. Sheet metal: sheet metal screws, thru bolts.
 6. Masonry: embedded anchor bolts, pneumatic driven fasteners where approved, metallic expansion anchors, metallic wedge anchors, or toggle bolts.
 7. Concrete: embedded anchor bolts, pneumatic driven fasteners where approved, metallic expansion anchors, or metallic wedge anchors.

2.4. SPECIAL ANCHORAGE & FASTENERS

- A. Self Tapping Cap Screw - Pre-Tap Drill. See Section 07600/2.2.
 1. CF #14 X required length, "B" carbon structural tap seal screws.
 2. Counter bore wood to receive head and washer to flush.

3. EXECUTION

3.1. INSTALLATION

- A. The anchor receiving construction material shall be substantial and have the capability to withstand the in-service stress demand placed upon it.
- B. Fastener size shall be appropriate for the intended service. Verify all conditions in the field and increase the anchorage as needed.
- C. Anchorage patterns shall be appropriate to resist wiggling or prying loose during service. Use a uniform anchorage pattern for all exposed-to-view conditions; offset from centers as needed for maximum strength. A

minimum of two (2) anchors shall be provided in each segment length or piece of material.

- D. Replace any fasteners which are crooked or do not properly engage the base material.

END 01055

DIVISION 1 – GENERAL REQUIREMENTS
Section 01120 – Remodeling Project Procedures

1. GENERAL

1.1. REQUIREMENTS INCLUDE

A. Contractor

1. Coordinate work of all crafts including that of subcontractors and his crafts as applicable.
2. Schedule elements of demolition, remodeling and renovation work to expedite completion.
3. In addition to demolition specified in Sections 02072, and that shown on Drawings, cut, move or remove existing construction to provide access or to allow remodeling and new work to proceed. Include:
 - a. Removal of or temporarily supporting conduit and wiring.
 - b. Removal of unsuitable or extraneous materials and non-functioning components not marked for salvage, such as abandoned electrical and mechanical components.
 - c. Cleaning of surfaces. Remove surface finishes to install new work and finishes.
4. Patch, repair and refinish existing items to remain, to the specified condition for each material, with a neat transition to adjacent new construction.
 - a. Insure that remodeling work is done before painting.

1.2. SEQUENCE AND SCHEDULES: Schedule work in sequences within times specified in 00040 and 01010.

1.3. ALTERATIONS, CUTTING AND PROTECTION

- A. Assign moving, removal, cutting and patching work to crafts qualified to perform the work in a manner to cause least damage to each type of work, and provide means of restoring surfaces to appearance of new work.
- B. Perform cutting and removal work to minimize removals, and in a manner to avoid damage to adjacent work.
 1. Cut finish surfaces such as masonry, blocking, soffit, fascia or metals by methods to terminate surfaces in a straight line at a natural point of division.
- C. Perform cutting and patching in accordance with Section 01045.
- D. Protect from damage existing finishes, equipment and adjacent work that is scheduled to remain.

- E. Protect existing and new work from weather and temperature extremes. Provide weather protection, waterproofing, heat and humidity control to prevent damage to remaining existing work and to new work.

1.4. EXISTING CONDITIONS

- A. Asbestos containing materials (ACM) are assumed to be limited to any 9" X 9" floor tile found in some rooms. Plaster ceilings have been tested and found to be free of ACM.

2. PRODUCTS

2.1. SALVAGED MATERIALS

- A. The Owner

- 1. Will remove items of value to the District.

- B. The Contractor shall

- 1. Do not use salvaged or used material in project for in-place construction except as indicated on the Drawings.

2.2. MATERIALS FOR PATCHING, EXTENDING AND MATCHING

- A. Ensure that work is complete:

- 1. Provide same materials or types of construction as that in existing structure, to patch, extend or match existing work.
 - a. Contract Documents may not define products or standards of workmanship present in existing construction.
 - b. Consult the Drawing Details and/or consult the Architect/Engineer.
- 2. Presence of a product, finish or type of construction requires that patching, extending or matching be performed to make work complete and consistent to identical or better quality standards.
- 3. All installations and reinstallations shall be operational ready and in conformance with all facets of Federal and State regulations governing Illinois schools.

3. EXECUTION

3.1. REMOVE EXISTING CONSTRUCTION

- A. Temporary Removals.

- 1. When called for on the drawings, remove and reinstall equipment or finish material to allow the installation of the specified system or material.

- B. Remove and dispose of waste and by-products of the construction project.

3.2. PERFORMANCE

- A. Patch and extend existing work using skilled craftsmen capable of matching existing quality of workmanship.
- B. For patched or extended work, provide quality equal to that specified for new work.

3.3. UTILITIES

- A. Take all reasonable precautions against damage to utilities.
- B. The Contractor shall confirm locations of all existing utilities in the work areas before commencing any of his work.
- C. Verification should be made with electrical, telephone, cable, water, sewer, gas, and any other utility normally servicing the area. Before commencing any excavation call the Joint Utilities Location Information for Excavators (J.U.L.I.E.) toll free number 1-800-892-0123; call the City Sanitary Department; call the Cable Service Company; and call the City Street Department, all as applicable.
- D. Whenever inadvertent damage or breaks occur in an existing gas, water, sewer, steam conduit, telephone, electrical main or service, the Contractor responsible shall immediately notify proper officials of utility interruptions.
- E. The Contractor shall render all possible assistance in restoring the services cut by him and shall assume all costs, charges or claims connected with the interruptions and repair of the same.

3.4. DAMAGED SURFACES

- A. Patch and replace all portions of the existing finished surfaces found to be damaged, lifted, discolored or showing rot and other imperfections, with matching material.
 - 1. Provide adequate support prior to patching the finish.
 - 2. Refinish patched portions of painted or coated surfaces in a manner to produce uniform color and texture over entire surface.
 - 3. When existing surface cannot be matched, refinish entire surface to nearest intersections. Notify Architect as soon as such condition is discovered.

3.5. TRANSITION FROM EXISTING TO NEW WORK

- A. When new work abuts or finishes flush with existing work, make a smooth transition. Patched work shall match existing adjacent work in texture and appearance as closely as possible.

1. When finished surfaces are cut in such a way that a smooth transition with new work is not possible, terminate existing surface in a neat manner along a straight line at a natural line of division, and provide trim appropriate to finished surface.
2. Refinished cut surfaces must be weathertight comparable to the warranty period.

3.6. CLEANING

- A. Perform construction cleaning as specified in Section 01561.

END 01120

DIVISION 1 – GENERAL REQUIREMENTS
Section 01200 – Project Meetings

1. GENERAL

1.1. REQUIREMENTS INCLUDE

- A. Project meetings may be called at any time during project construction by the Owner, the Architect/Engineer and may be called by the Contractor with approval of the Owner or Architect/Engineer.
 - 1. The purpose of the project meeting will be to establish scheduling, coordination and work processes and to clarify the contract requirements. Project meetings shall be attended by the project superintendent for the Contractor and by a representative of each major subcontractor and supplier employed on the project.
 - 2. Should the Architect/Engineer experience a lack of information required to justify the Contractor's proportional pay request the Architect/Engineer may institute monthly project meetings to verify progress and coordinate the Contractor's pay requests. Construction schedules of 90 days or less should not require such meetings.

END 01200

DIVISION 1 - GENERAL REQUIREMENTS

Section 01310 - Construction Schedules

1. GENERAL

1.1. DESCRIPTION

A. Work Includes:

1. Submittals of project construction schedules for work within seven (7) business days after Notice of Award.
2. Revision of schedules monthly. Each Contractor shall submit schedule of operations for the Contract to the General Contractor who shall prepare a master schedule and submit to the Architect/Engineer. Said submittals shall accompany each pay request.

B. Content of Schedules:

1. Indicate complete sequence of construction by activity.
 - a. Product procurement date, fabrication of each element of the construction work.
 - b. Dates for beginning and completion of each element of the construction work.
2. Indicate cumulative percentage of work completed as of the day of Contractor's submittal of monthly pay request.
3. Furnish separate schedule, showing submittals, review items, procurement schedules and delivery dates, as required.
4. Define critical portions of entire schedule.

C. Updating monthly by indicating:

1. Progress of each activity since previous submission.
2. Projected completion dates for all activities.
3. Activities modified since previous submission.

D. Submit initial schedules within seven (7) business days after date of Notice of Award.

1. Submit number of copies required by Contractor, plus two (2) copies to be retained by Architect/Engineer. If additional copies are required, furnish same at no additional cost.

2. PRODUCTS (N/A)

3. EXECUTION (N/A)

END 01310

1. GENERAL

1.1. DESCRIPTION

A. Prior to commencing the work, the Contractor shall verify the submittal procedure to assure compliance with the submittal requirements.

B. Required Submittals

1. Shop Drawings, Submittals, and Submittal Brochures

a. Submit four (4) copies minimum unless notes otherwise in a particular section.

- 1) Submittals maybe electronic pdf format
- 2) Electronic submittals shall be for the project, that is do not send in a 50 page catalog and circle couple items on couple pages. Select and submit the project applicable pages.
- 3) Do not submit through a second/third party service or application that requires a sign in or password.
- 4) We will only comment and return a reviewed pdf

b. Architect and/or Owner will retain two (2) copies.

c. Contractor will receive remaining copies for his use.

d. Shop drawings and material schedules shall be accompanied by catalog cuts or fliers giving full data, description, function, and capacity of item or component thus submitted. Catalogs and fliers shall be clearly and precisely marked as to submittal content. The Architect/Engineer's office will provide no sorting to assure the submittals compliance with documents.

2. Samples

a. When samples are requested submit two (2) minimum.

b. All samples will be retained unless otherwise noted in the Specifications.

3. The Contractor shall, within seven (7) days of Notice of Award, submit to the Architect the following:

a. Name of person under Contractor employment at the job site in charge of safety.

b. Name of project on site Superintendent of the work.

c. Submit three (3) bound, indexed copies minimum.

d. THE SHOP DRAWINGS RETAINED BY THE OWNER AND ARCHITECT ARE NOT AVAILABLE FOR PREPARING THESE MANUALS. If additional copies are required for this, the Contractor shall make allowance and submit additional

sets.

4. The Contractor, if requested by the owner, within thirty-one (31) business days of Notice of Award, submit in accord with 00040/1.17.

C. IDENTIFICATION OF SUBMITTALS

1. The Contractor shall clearly mark each submittal of the Shop Drawings, Catalog Cuts, Pamphlet, or Specification Sheet.
2. Data shall also indicate model number selected for furnishing and indicate capacities or conditions or operation.
 - a. Catalog data of general advertising nature, without specific outline or rating for equipment, will be rejected.
 - b. Marked product manufacturer's catalogs and engineering data shall accompany the submittal.

D. REVIEW OF SUBMITTALS

1. Submittals will be reviewed by the Architect and/or the Owner and will be checked for Contract compliance and the basic fabrication methods.
2. The Contractor must verify all the dimensions, field conditions, field clearances, and rough-in requirements with adaptations as necessary.
 - a. Submittals are for the convenience of the contractor not for the Architect/Engineer who has already specified the job.
 - b. Architect/Engineer review of a submittal shall not relieve the Contractor of specification compliance unless same is specifically brought to the attention of the Architect and/or Owner IN A LETTER FORM attached to the submittal data and subsequently approved by the Architect/Engineer IN WRITING.
 - c. An omission on the shop drawings followed by a review oversight thereof by the Architect/Engineer shall not be construed as the calling of specific attention thereto.

END 01340

1. GENERAL

1.1. DESCRIPTION

A. Related work specified elsewhere

1. All work provided under the Contract Documents shall be inspected by the Contractor for conformance with the documents prior to the Architect's inspection.
2. All in place work shall be subject to inspection by the Architect/Engineer and the Owner for conformance with the requirements and standards set forth in the Contract Documents and first quality general construction standards.

1.2. WORK BY THE CONTRACTOR INCLUDES

A. The Contractor's superintendent of the project shall inspect all work performed by the Contractor, his employees, Subcontractors and the Installing Suppliers before same is submitted to the Architect/Engineer as work performed.

1. Inspect for proper installation.
2. Inspect for proper materials.
3. Inspect for workmanship.

1.3. WORK BY THE ARCHITECT/ENGINEER INCLUDES

A. The Architect/Engineer shall have access to the work at all times and shall make inspection of work in place, construction components and allow or disallow in accordance with these Specifications and the accompanying Drawings.

1.4. PROCEDURES AND REPORTS

A. The Architect/Engineer, after making inspections, may report same to Contractor separately or jointly, verbally or in writing, as related to the Contract Documents in general and related to certain requirements specifically.

B. Notice shall be given the Contractor of unsatisfactory materials, handling, and storing of project materials, in place installation, workmanship, and documents compliance conduct on the job site property.

C. The Contractor shall correct or replace same as applicable to the inspection report.

1.5. QUALITY ASSURANCE

A. The Architect/Engineer or appointed special inspector for certain processes:

1. Will make intermittent inspections at the job site and notify the

Contractor of deficiencies as and when observed.

- a. Notifications to the Contractor will be written (if not agreed upon and/or promptly corrected following verbal notification) wherein the deficiency shall or may become covered up by continuation of progress, wherein the deficiency does not comply with the required procedures.
2. Will be available to the Contractor upon call for inspections which may come to the attention of the Contractor at times not corresponding with intermittent inspections by the Architect/Engineer.
 - a. The Architect/Engineer will endeavor to respond to the Contractor's call with due promptness and no later than twenty-four (24) hours.
3. Will disallow payment for uncorrected work on the upcoming submittal by the Contractor for periodic progress payment.

B. The Contractor

1. Shall correct all work associated with the inspections made by the Architect/Engineer promptly or present an approved schedule for same.
2. Shall, wherein redeliveries of materials and components are involved:
 - a. Promptly respond IN WRITING to the deficiency notice.
 - b. Issue a schedule of correction, if applicable.
 - c. Make right damages affected to work of other contractors involved, as applicable.
3. Shall notify the Architect/Engineer of the schedule for the following day by day operations at the job site:
4. Contractor shall notify Architect/Engineer twenty-four (24) hours in advance of commencement of operations.

1.6. OWNER

- A. Owner inspections will be made by the Unit 5 District Director of Operations, Joe Adelman, phone 309/275-8803.

END 01420

1. GENERAL

1.1. REQUIREMENTS INCLUDE

- A. Contractor shall provide and maintain specified temporary utilities.
- B. Contractor may extend services from Owner's existing sources.
 - 1. Tap on and extension of services shall be implemented and paid for by the Contractor requiring utility.
- C. Contractor shall furnish (included in his Base Bid):
 - 1. The cost of all utilities required by him which:
 - a. Are in excess of existing available at the building and are necessary for the completion of his work.
 - b. Exceed the capacity of existing or permanent systems and are necessary for the completion of his work.
 - 2. Hoses and fittings from temporary standpipes or water service connection to his work.
 - 3. Drinking water for his own forces.
 - 4. Extension cords, extension lights and lamps from approved temporary power centers to his work.
 - 5. Ventilation for his storage spaces containing volatile or hazardous materials.
 - 6. Security for materials and equipment.
 - 7. Temporary toilet facilities.

1.2. RELATED REQUIREMENTS

- A. Furnished by Owner
 - 1. Authorization of existing facilities for temporary use.
 - a. Electrical power service.
 - b. Lighting extended by drop cords from existing sources.
 - c. Water service extended from existing outlets by the Contractor.
 - 2. Owner will pay all costs of consumables used for construction purposes for utilities it furnishes.
 - 3. The Contractor requiring Owner-furnished services shall provide and pay for extension or modification of services to perform the work and for restoration of services and Owner equipment at completion of the work.

END 01510

DIVISION 1 - GENERAL REQUIREMENTS
Section 01740 - Guarantees, Warranties & Bonds

1. GENERAL

1.1. WORK INCLUDES

- A. Provide all guarantees, warranties and bonds, as specified.
- B. Related work specified elsewhere
 - 1. All work.
- C. Submittals: The Contractor shall process, acquire and submit the Guarantees, Warranties and Bonds as specified below:
 - 1. Bid Bond.
 - 2. Labor & Material Payment and Performance Bonds, following award.
 - 3. Guarantees: Submit on Contractor's letterhead a one-year material and labor guarantee for all work except for special warranties.
 - 4. Contractor shall submit a letter of certification on Contractor's letterhead that no products containing ACM or PCB's were used in the completed work.

1.2. WARRANTY

- A. The Contractor warrants that all work provided under the Contract will be in conformance with the Contract and free from defects in workmanship, materials and equipment for a period of one (1) year or such longer period as may be specified in the Contract documents. Warranty time periods shall commence with the date of Owner acceptance of the Certificate of Substantial Completion or the whole or any part of the project. The warranty time period for any incomplete or uncorrected work at the time of Substantial Completion shall commence with the date of Final Completion.
- B. The Contractor warrants that all workmanship, materials and equipment for those building systems subject to seasonal loads will be in conformance with the Contract and free from defects for a period of two (2) years, commencing with the date of Owner acceptance of the Certificate of Substantial Completion. This includes, but is not limited to, Heating, Ventilation, Air Conditioning, Temperature Control and Test and Balance work as specified in the Project Specifications.
- C. The Contractor shall, on demand made by the Owner, at any time within the ten (10) year period following Substantial Completion, promptly repair or replace all defective or non-conforming work resulting from or constituting late defects, fraud, fraudulent concealment or gross negligence. The Owner or the Architect/Engineer will give timely notice of such defects.

- D. Upon notice from the Owner or the Architect/Engineer of such defects or nonconformity, the Contractor shall promptly visit the site in the company of the Owner's representative to determine the extent of all defects on nonconformance and shall promptly repair or replace the defective or nonconforming work, including all adjacent work not necessarily provided by the Contractor, but damaged as a result of such defect or nonconformity or as a result of remedying them. If the Contractor does not promptly repair or replace a defective or nonconforming work the Owner may repair or replace such work and charge the cost thereof to the Contractor. Work which is repaired or replaced by the Contractor shall be inspected and accepted in accord with the original standards of the Contract. The warranties set forth herein are in addition to all warranties or guarantees expressed or implied by operation of law, statute or ordinance.
- E. The Contractor shall deliver all commercial warranties received from the manufacturer to the Architect/Engineer prior to Final Completion, but this shall not reduce the Contractor's obligations under this Article.
- F. Special Warranties
 - 07900 - Sealants & Caulks
 - Contractor's Warranty – One (1) year, all applications
 - Manufacturer's Warranty – per Section 07900 (varies for different products). Maximum printed product warranty

END 01740

1. GENERAL

1.1. REQUIREMENTS INCLUDE

A. Base Bid:

1. Demolition for floor mounted cabinets the four (4) kitchen divider walls will be completed by a separate ACM contractor.
2. Demolition for the four (4) kitchen divider walls will be completed by a separate ACM contractor.
3. Plumbing and electrical disconnects for the counters and divider walls will be performed by trade professionals, not the ACM contractor.
4. Wall mounted cabinets to be demolished/removed by this contractor.

1.2. RELATED WORK

A. Specified elsewhere

1. 01010 - Project Summary

1.3. EXISTING CONDITIONS

- A. This project involves demolition of existing finishing materials. No structural demolition is required.
- B. The Owner will move existing movable furnishings away from work areas (outside classroom / office glazed walls).

2. PRODUCTS

2.1. MATERIALS

- A. All damaged existing material and surfaces to remain shall be protected and repaired or replaced with new materials of the same quality as the existing materials and installation when they were pre project.

3. EXECUTION

3.1. PREPARATION

- A. Protect all floor, wall and ceiling finishes in work area.

3.2. PERFORMANCE OF THE WORK

- A. Immediately remove demolished and waste materials from work area and clean debris so it does not spread into adjacent areas.
- B. Remove or protect materials to be reinstalled or retained in manner to

prevent damage.

- C. Do not burn or bury materials on site or in Owners dumpsters unless prearranged with the Owner.

END 02072

1. GENERAL

1.1. WORK INCLUDES

- A. The Contractor shall provide rough carpentry as shown on the Drawings and specified herein.
 - 1. Framing for four (4) divider walls.
 - 2. Provide anchors for divider walls to floor and walls.

1.2. RELATED WORK

- A. Specified elsewhere
 - 1. Section 06416 – Plastic Laminate Clad Cabinets
 - 2. Section 09670 – Resilient LVT Flooring

1.3. QUALITY ASSURANCE

- A. Grading Rules:
 - 1. Lumber grading rules and wood species shall conform with Voluntary Product Standard PS 20-75.
 - 2. Grading rules of the following associations shall also apply to materials produced under their supervision:
 - a. Northeastern Lumber Manufacturer's Association, Inc. (NELMA).
 - b. Southern Pine Inspection Bureau (SPIB).
 - c. West Coast Lumber Inspection Bureau (WCLIB).
 - d. Western Wood Products Association (WWPA).
 - e. Redwood Inspection Service (RIS).
 - 3. Plywood shall conform to the following:
 - a. Softwood Plywood - Construction and Industrial: Product Standard PS 1-74.
 - b. Hardwood Plywood: Grade B-1 G15, Use for laminate cabinets and divider walls

2. PRODUCTS

2.1. MATERIALS

- A. Lumber:
 - 1. Dimensions:

- a. Specified lumber dimensions are nominal: verify actual dimension required to accomplish the details shown.
 - b. Actual dimensions shall conform to industry standards established by the American Lumber Standards Committee and the rule writing agencies.
 2. Moisture content: nineteen percent (19%) maximum at time of permanent close in of building or structure, for lumber 2" or less nominal thickness.
 3. Surfacing: surface four sides (S4S), unless otherwise shown, or specified.
 4. Framing lumber: 2" (51 mm) to 4" (102 mm) thick, 2" (51 mm) to 4" (102 mm) wide, any commercial softwood species, unless otherwise shown or specified.
 - a. Light Framing:
 - 1) General Framing: Standard and Better Grade.
 - 2) Plates, Blocking, Bracing & Nailers: Utility grade.
 5. Boards: 1 in. (25 mm) to 2 in. (51 mm) thick; any commercial softwood species, unless otherwise shown or specified. Furring and grounds shall be minimum No. 1 Common Grade.
- B. Plywood: CC EXT-APA.
1. Grade B-1 G15 for interior cabinets and divider walls.
 2. 5 ply minimum.
- C. Rough Hardware:
1. Bolts: FS FF-B-575C.
 2. Nuts: FS FF-N-836C.
 3. Expansion Shields: FS FF-B-561C.
 4. Lag Screws and Bolts: FS FF-B-561C.
 5. Toggle Bolts: FS FF-B-588C.
 6. Wood Screws: FS FF-S-111C.
 7. Nails and Staples: FS FF-N-105B.
 8. FABCO/H-3, or equal, stainless steel top seal fasteners.
 9. Top Seals/H-3 stainless steel, carbon steel and cadmium plated as applicable with Weath-R-Seal washers.
 10. Tuff Tites #305 stainless steel and cadmium plated as applicable.
 11. Top Seal/H-3 stainless steel, cadmium plated and carbon steel (as applicable) structural screws.
 12. RED HEAD stud anchors.
 13. Rawl - Studs.
 14. Rawl - Double.
 15. Rawl - Single.
 16. Wood framing nails not exposed to weather shall be coated box nails.
 17. Nails exposed to weather shall be dip galvanized nails.

- D. Rough hardware and fasteners at treated wood
 - 1. Similar to above, but stainless steel for certified treated wood exposure.

3. EXECUTION

3.1. PREPARATION

- A. Examine all surfaces to receive the parts of the work specified.
- B. Verify all dimensions of in place and subsequent construction.
- C. Application or installation of materials constitutes acceptance of existing conditions.
- D. See Drawing Details.

3.2. INSTALLATION

- A. Frame wood members to be close fit, set accurately to required lines and levels and secured rigidly in place in accordance with the Drawings.
 - 1. Interlock cabinet corners and divider wall connections.
- B. Cut and fit framing, blocking etc. to accommodate the other work.
- C. Interlock curbing corners.

END 06100

DIVISION 6 – WOOD PLASTICS COMPOSITES
Section 06416 – Plastic Laminate Clad Cabinets

1. GENERAL

1.1. DESCRIPTION

A. Base bid case work

1. Provide all laminate clad cabinetwork shown

a. Base cabinets and overhead cabinets as shown on plans.

B. Provide all accessory items needed to complete the cabinetwork including coat rods, coat hooks, locks, shelf brackets, drawer guides, handles, hinges, catches and general hardware.

1. Provide four (4) new wood structured laminate finished cubical dividers to be located in same place on floor as existing except the new dividers will be 8" (verify detail on plans) shorter than existing and panel covering end of cabinets and range will be 8" (verify on plans) lower.

2. Counter tops to 1 ½" thick laminated in base bid.

C. Alternate Work

1. See Alternate #1 for solid surface (Corian or similar) counter tops in lieu of Plastic laminate tops.

1.2. RELATED WORK

A. Specified elsewhere

1. 06 1000 – Rough Carpentry

1.3. QUALITY STANDARDS

A. All work is to be in compliance with Architectural Woodwork Institute (AWI) Quality Standards

1. Custom Grade for assembly, fit, finish, performance, laminate selection and construction methods.

2. PRODUCTS

2.1. CASEWORK - LAMINATE CLAD

A. AWI quality grade: B1 G15.

B. Construction: Details shall conform to design. Flush overlay or exposed face frame.

- C. Casework doors to be 3/4" plywood, plastic laminated both sides and edged. Interiors may be liner material
- D. All shelves shall be laminated over 3/4" thick, 7 ply fir plywood

2.2. PLASTIC LAMINATE

- A. Exposed surfaces: to be high pressure Laminate, Formica, Nevamar, Wilson Art or approved equal submitted prior to bidding.
 - 1. Colors to be selected in each room.
 - 2. Tops will be acrylic solid surface.
- B. General Purpose 50 (.050") horizontal work surfaces and edges subject to high use, color and pattern to be selected.
- C. General Purpose 28 (.028") for vertical and medium use surfaces, color and pattern to be selected.
- D. Cabinet liner 20 (.020") for interior surfaces.
 - 1. Includes backs and shelves in open shelving condition.
 - 2. White, off white, gray or white on white patterned.
- E. Backer 20 (.020") for backs of doors and any surface not rigidly supported and anchored to resist warp, wind or curling.
- F. All surfaces not otherwise anchored against warping shall be backed whether in view or not.

2.3. CASEWORK HARDWARE

- A. All cabinet hardware shall be furnished and installed by the casework manufacturer. Hardware to be as follows:
 - 1. Drawer guides: manufacturer's standard roller guide.
 - 2. Shelf standards and brackets: type optional with manufacturer, adjustable as shown on drawings.
 - 3. Hinges: 2-1/2" .083 (3" on 1" or heavier doors). Chrome finish.
 - 4. Catches: Nylon roller type.
 - 5. Pulls: Epcoc MC427 or equal, 1/2" diameter aluminum X 3" long.
 - 6. Clothes poles: optional with manufacturer, chrome.
 - 7. Clothes hooks: Ives #572 or equal.
 - 8. Locks: Five (5) disc tumbler casework locks.

2.4. TOPS

- A. Solid surface with four inch (4") backsplash and sidesplash at walls, solid surface material.
 - 1. Shall be able to support 300 lbs. at any location, framed or backed

- as necessary.
2. Solid surface material
 - a. Corian
 - b. Wilson Art
 - c. Maganite
 - d. Formica
 - e. Or equal submit prior to bidding for approval.

2.5. SHELVES

- A. All shelves shall be 3/4" plywood.
- B. All shelves shall be designated for not more than length divided by 180 (48" = 1/4") deflection when solidly loaded with paper or books.
 1. Provide stiffeners when needed.
- C. Shelf and shelving brackets or clips shall be adequate to hold without failure four (4) times the actual load of the shelf fully loaded with books or papers.

2.6. CABINET BOX

- A. AWI Custom Grade, 3/4" plywood basic construction.
 1. Provide bracing and corner hardware as required for rigid sturdy construction.
 2. Backs against walls may be less than 3/4", select for service, backed or supported to not present a flimsy or unstable performance.
 3. Cabinets to be fully plastic laminate lined.
 4. Coordinate adjacent cabinets for alignment and fit.

2.7. DRAWERS

- A. Drawers by definition shall have **full height** sides and backs.
 1. Full height means drawer face height less 1/2" side clearance below horizontal box frame drawer fits into.
- B. Drawers to be backer laminate lined.
- C. Drawer guides
 1. BHMA A156.9 type B05091
 2. Full extension, side mount, zinc plated steel
 3. Heavy duty

2.8. WINDOW SILL/STOOL

- A. 3/8" or heavier solid surface (Corian or similar)
 - 1. Approximately 1" overhang to actual masonry face
 - 2. Rounded corners.
 - 3. Set with silicone adhesive-sealant

3. EXECUTION

3.1. INSTALLATION

- A. Cabinetwork shall be set level and square with surrounds. Provide filler strips and sealant as needed to finish installation.
- B. Provide mechanical counter anchors for counter top joints. Joint shall be tight and uniform. Install with sealant in joint before tightening and clean off immediately.
- C. Coordinate with mechanical and electrical trades for installation services.
- D. All tops shall be mechanically anchored to base cabinets.
- E. All cabinetwork shall be mechanically anchored to floors and walls.
- F. Apply resilient base to all cabinets with flooring work.

3.2. Shelving and coat hook and coat rod accessories

- A. See drawings sheet A-5.4 for shelving hardware and coat rack and coat hooks. Coordinate with hardware provider for who is providing and installing.

END 06416

DIVISION 7 – THERMAL & MOISTURE PROTECTION
Section 07900 – Sealants & Caulks

1. GENERAL

1.1. REQUIREMENTS INCLUDE

A. Base Bid – General Contractor

1. Contractor shall provide caulking and sealing of joints where required to complete this work.
2. Contractor to match color of metal (match color of new installed work, regardless of quantity).

1.2. HANDLING & STORAGE

- A. When the Contractor chooses a product for a particular use for a sealant or caulk specified, that same product shall be used throughout the project for that specific assignment.

1.3. WARRANTY

- A. Sealant Manufacturer: Contractor shall certify per Section 01740, as applicable.
1. Material performance - twenty (20) years against shrinkage and hardening - implied and advertised.
 2. Loss of bond to substrate as Manufacturer's implied and advertised.

2. PRODUCTS

2.1. MATERIALS

- A. Exterior grade for masonry-to-masonry, metal-to-metal, wood-to-masonry, and glass-to-masonry.

1. Material's serviceable life expectancy shall be twenty (20) year minimum in Manufacturer's printed material for the applications proposed.
2. Approved products are as follows:
 - a. Sonneborn NP-1
 - b. Silaflex 1A
 - c. Vulkem 116

- B. Interior grade caulk shall be one (1) part, paintable.

1. Chemical make-up shall permit 5% joint movement from 20 degrees F to 110 degrees F and shall be skinning type.
2. Approved products are as follows:
 - a. DAP Latex Caulk

- b. Pecora BC 158
 - c. Tremco Butyl Sealant
- C. Grade on horizontal joints, exterior/interior grade sealant shall be one (1) part, self-leveling for concrete contraction/expansion joints.
 - 1. Approved products are as follows:
 - a. Sonneborn Sonolastic S.L.1
 - b. Vulkem 45
 - c. Dow Chemical 880

2.2. JOINT FILLER

- A. Joint Filler F-3, closed-cell polyethylene approved products shall be as follows:
 - 1. Ethafoam by Dow Chemical.
 - 2. Expand-O-Foam by Williams Products, Inc.
 - 3. Filler Foam FF-4 by Progress Unlimited, Inc.
 - 4. Safe-T-Grip Filler Gasket by Structural Specialties Corp.

2.3. JOINT CLEANER. Joint cleaner shall be that cleaner recommended by Sealant Manufacturer for specific joint surface and conditions.

2.4. JOINT PRIMER AND SEALER. Joint primer and sealer shall be those compounds recommended by Sealant Manufacturer for the specific joint surface and conditions.

3. EXECUTION

3.1. PREPARATION

- A. Examine all surfaces to receive the parts of the work specified herein. The application or installation of materials constitutes acceptance of the substrate.
- B. Clean surfaces and remove protective coatings that may fail in adhesion or interfere with bond of compound so surfaces are free of deleterious substances that might impair the work.
- C. Prime surfaces per the Sealant Manufacturer's instructions.
- D. Install bond breakers in locations and of type recommended by the Sealant Manufacturer to prevent bond or sealant to surfaces where such bond might impair the performance of the sealant.

3.2. INSTALLATION

- A. Install all materials in accordance with Manufacturer's printed instructions. Unless otherwise directed, conform as follows:
 - 1. Compounds shall not be installed at temperatures below 40 degrees F unless the Manufacturer specifically permits the application of his materials at a lower temperature.

2. If job conditions require installation of compounds below the minimum installation temperatures recommended by the Manufacturer, consult the Manufacturer's Representative and establish the minimum provisions required to ensure the satisfactory work.
3. Confine compounds to joint areas shown. Use masking tape to prevent staining of adjoining surfaces, spillage and/or migration of the compound out of joints. Tool surfaces to shape shown or, if none is shown, to a flush or slightly concave surface. Remove excess compound and clean adjoining surfaces as may be required to eliminate any indication of soiling or migration.
4. In joints which are not subject to traffic, apply sealants to a minimum depth of 50% of the normal joint width but not less than 3/8" or more than 1/2" deep.
5. Apply non-elastomeric compounds in exposed joints with the depth of compound not less than the joint width.
6. Use appropriate sealants for all exterior joints and for the interior joints subject to movement, except traffic expansion and contraction joints. Use self-leveling sealant for all exterior and interior expansion traffic joints in concrete and tile work.
7. Use appropriate caulk for all interior joints at locations to be painted not subject to movement in excess of 5%.
8. Self-leveling sealant shall be poured over a bond breaker tape or F-3 Joint Filler. The joint shall be masked off adequately to assure a clean, flush and finished installation.
9. Sealants and caulks shall be a color selected to blend with adjacent material color.

B. Installations shall be neatly executed, smooth and regular in appearance, no lumps or globs or smears onto adjacent surfaces. Tool when appropriate.

3.3. SEALANT COLOR SELECTION

A. Sealant shall match surrounds for color.

1. Coordinate with Architect/Engineer regarding colors to insure approval.
2. Once a Manufacturer's product has been established for a use, that same product shall be used throughout the project for the particular situation and background.

3.4. SEALANT APPLICATION

A. For exterior/building envelope conditions: Select the proper sealant to provide resistance to air or water infiltration at all exterior envelope joints, connections of dissimilar materials:

1. Wall expansion joints
2. Door & windows
3. Wall penetration
4. Abutting dissimilar materials
5. As needed to control infiltration

- B. Appearance conditions: Throughout the exterior of the construction provide sealants as needed to visually finish all installations.
1. Wall expansion joints
 2. Construction joints
 3. Abutting dissimilar materials
 4. Wall, floor and ceiling penetrations
 5. Joints subject to water penetration
 6. Irregular joints
 7. Unintended gaps, cracks or openings, seal all holes from abandoned anchors or any item removed prior to and/or during construction.

END 07900

1. GENERAL

1.1. WORK INCLUDED

A. Alternate Bid

1. In existing Room 155, remove ex. 12 x 12 VCT.
2. Provide coped and mitered rubber base at walls.
3. General surface preparation that follows 12 x 12 VCT removal, scrape/remove old adhesives, fill and level minor defects and all cracks.
 - a. Leveling skim coat and alkali barrier over full surface.
 - b. Crack preparation as recommended by the skim coat and/or resilient flooring manufacturer.
4. Install new floor as described in Paragraph 2 below.

B. See Paragraph 2 for Armstrong Diamond 10® technology coated VCT

1.2. QUALITY ASSURANCE

- A. Materials shall be installed by persons experienced in the installation of this type of material. All work shall be first class. Tightly butt together materials without seepage through joints, without chips, cracks or blemishes of any type.
1. Tile and base joints shall be tight, no measurable/visible space between pieces and generally aligned within 1/64th" at tile intersections, edges and corners and splices.
- B. All material installed in a single room shall be of the same manufacturing run to assure the color continuity.
- C. Installation shall comply with manufacturer's recommendations.
1. Provide Manufacturers 20 year commercial warranty.
 2. Installation shall be in strict accord with the manufacturer's installation recommendations and requirements.
 3. See Armstrong flooring adhesive and detailed instructions at Armstrong.com.
- D. Flooring Subcontractor to fully inspect surfaces for level, cleanliness, suitability of surface to receive VCT.
1. Skim coat all floors with self leveling floor preparation product.
 2. Do not proceed unless surface is ready and properly prepared.
 3. Do not tile over dust grit, raised paint spills or any other irregularities.

- E. Contractor shall perform moisture vapor test on floors on grade prior to starting work, at least two (2) locations.

1.3. SUBMITTALS

- A. Submit the following in accordance with 01340 Submittals.
 - 1. Manufacturer's Literature: Material description and installation and maintenance instructions.
 - 2. Samples: Full size tile through range of color.

1.4. COLOR SELECTIONS

- A. Floor Tile: Up to four (4) colors shall be allowed in the Base Bid work.
 - 1. One color per room.
 - a. No border
 - 2. Corridors
 - a. Multiple colors
 - b. Nominal 12" border along perimeter and into door insets
 - c. Random patterns 94% background color and 3% orange tiles and 3% black uniformly mixed into the primary floor. Always verify the color tiles to be selected, may be different accents than orange and black
- B. Resilient Base: Up to one (1) resilient base color may be allowed in the Base Bid.
 - 1. One (1) color per room, no pattern or border work

1.5. OWNER'S MAINTENANCE MATERIAL

- A. Provide maintenance materials to the Owner.
 - 1. Floor tile: Provide 2% of the floor area covered for each selection, but not less than twenty (20) full pieces.

2. PRODUCTS

2.1. MATERIALS

- A. Luxury vinyl composition (asbestos-free) Tile: 1/8" thick, 18" x 18" or 16" x 16" marbleized; standard colors for no pattern installation.
 - 1. Armstrong LVT with Diamond 10® technology reduced maintenance coating

2. 18" x 18" or 16" x 16" Natural Creations.
3. Owner will choose from EARTHCUTS or TP500 series
4. Owner will select one floor color and one base color.
5. Products

- a. Armstrong Natural Creations

B. Adhesives: Adhesives shall be water and alkali resistant, complying with recommendations of resilient flooring manufacturer as applicable to substrate. Adhesive shall contain no asbestos.

1. Manufacturer's recommended adhesive, not less than:

- a. Rated to 8 lbs. moisture vapor and 12-pH.
- b. Or neutralize and seal floor for other selected adhesive system such that combined installed result can accommodate 8 lbs. vapor.
- c. Products such as Henry 430 Clear Pro.
- d. Use heavy duty adhesives for transition pieces, we have had these come loose due to inadequate bonding capacity.

C. Skim coat: Rapid set, skim coat material as appropriate for conditions encountered following carpet removal, adhesive residue and general clean up.

1. Product Manufacturers

- a. Ardex
- b. Mapei
- c. DryTek
- d. Select product suitable to discovered conditions, to glue manufacturer and to tile manufacturer.

2. Quick set, fast dry, feather edge or up to 1/8" no shrink, latex or similar modified for adhesion.

3. Installation to be level and without trowel marks, delimitation or surface defect.

4. Material to provide good bonding surface and alkali protection for new adhesives.

D. Rubber Base: 1/8" gauge, coved, preformed corners,

1. Four inches (4") high in new areas, 4 1/4" high in all areas where old base is removed, (4" under lockers). Unless otherwise shown; color shall be selected from the full range of available standard colors.
2. Afco
3. Johnsonite
4. Roppe
5. Or equal
6. Install 4" high rubber base to match existing color

E. Vinyl Edge/transition Strips: 1 1/2 " wide for tile

1. Afco
2. Johnsonite
3. Roppe
4. Or equal

3. EXECUTION

3.1. PREPARATION

A. Existing conditions

1. Surfaces, always verify surface conditions in all locations for needed fillers or repair or deficiencies.
2. Prepare and clean all surfaces as appropriately to receive the new flooring.
 - a. Strip wax where new floors are glued over existing.

B. Fixed equipment

1. Lockers and casework, cut to fit, cut removals to the edge line for accurate fit.

C. Before installing resilient flooring, fill all cracks and holes and level depressions and skim coat with cement base surface preparation system.

1. Check for flush fit at drain and cleanout rims, grind if necessary or raise or bevel surfaces as appropriate.
2. It is intended that any or all surfaces be skim leveled

3.2. INSTALLATION

A. Typically tile selections are to split under doors unless there are extenuating conditions.

B. Generally the transition to adjacent surfaces may take a leveling filler.

C. Where flooring types vary such as resilient to terrazzo a transition strip will be required.

D. Transition strips should always be beveled with feather edges selected appropriately for the conditions.

E. Install tile and apply resilient base to floor or walls and cabinet bases respectively.

- a. Inspect surfaces prior to installation of floors and base. Do not apply to rough, dirty or unprepared surfaces.
- b. Corners shall be preformed.
- c. Cope inside base corners. Scribe bases accurately to abutting surfaces.
- d. Apply adhesive uniformly on the back surface of the base with a

notched trowel, single or double ribbon of adhesive not acceptable.

- F. Remove excessive adhesive in accord with the Flooring Manufacturer's instructions.
- G. Install floating flooring per manufacturer's instructions, offset joints, generally perpendicular to the primary entrance,
 - a. Carefully install and secure transition strips from floating to adhered or carpeted flooring
 - b. Carefully install the threshold strip as detailed on the drawings along the stage edge.

3.3. CLEANING & SEALING

- A. Floors to be turned over mopped clean.

END 09670

1. GENERAL

1.1. WORK INCLUDES – BASE BID

- A. Contractor shall provide all painting work on the north, south, and east walls of Room 155 where the existing upper cabinets are removed.
 - 1. Provide block filler application if walls are not painted behind the cabinets.
 - 2. Paint the walls 2 coats of paint described in 2.1.F.

1.2. RELATED REQUIREMENTS

- A. Specified elsewhere
 - 1. DIVISION 0 - Bidding & Contract Requirements
 - 2. DIVISION 1 - General Requirements
 - 3. DIVISION 6 - Wood
 - 4. DIVISION 7 - Thermal & Moisture Protection
 - 5. DIVISION 8 - Doors & Windows
 - 6. Section 09250 - Gypsum Wallboard

1.3. QUALITY ASSURANCE

- A. Supplier shall verify appropriateness of paint systems/surface preparation and modify as approved by Architect to properly achieve finished result.
- B. Materials shall be as specified and shall be delivered to the job in unopened, labeled containers.
- C. Applicators shall be skilled in the application system employed.
- D. Application: No thinning of materials will be allowed, except as specifically recommended by the Paint Manufacturer's written data to facilitate application.
- E. Special Requirements: The written instructions of the Paint Manufacturer shall be carefully adhered to for all surface preparation, priming, application techniques, environmental conditions and drying conditions.
- F. The surface temperature shall be 50 degrees F. minimum, dry, free of dust, dirt or any bond-breaking substance prior to the paint application.
- G. Protect all surrounding surfaces from paint and the painting operations. CLEAN UP ALL PAINT SPATTER OR OVERSPRAY.
- H. Factory-primed surfaces shall be properly prepared to receive field coatings. Repair chips and nicks in factory primer before proceeding.
- I. Provide all surface preparation, treatments, and all primers needed to comply with the Paint Manufacturer's recommendations. The Contractor

shall seek the Paint Manufacturer recommendations and shall be responsible for compatibility of the specified coatings and receiving surface preparation.

- J. Wherein these Specifications require successive coats of finishing materials, the A/E shall be notified of completion of each coating application prior to application of a successive coating. Failure to notify the Architect for on site observation of each coating prior to a successive coating application shall disallow acceptance of the successive coating.

2. PRODUCTS

2.1. MATERIAL

- A. Flame Spread - All paint finishes shall meet the following flame spread requirements:
 - 1. Flame Resistance: Materials shall neither ignite nor flame when inserted into a furnace heated to and maintained at 1200 degrees F. for a period of five minutes.
 - 2. Submit Paint Manufacturer's WRITTEN certification that products used on this project meet or exceed requirements 1.1.D.1. above. Certification shall include submittal or current test data proving product is noncombustible, as defined per 1.1.D.1 above.
- B. It is the intent to use each Manufacturer's premium grade commercial finishes. Adjust selections accordingly.
- C. Galvanized or Aluminum
 - 1. Select appropriate zinc chromate or zinc dust primer.
- D. Latex Primers (Interior – on new gypsum board walls and CMU Walls)
 - 1. Sherwin Williams ProMar 200/B23W200
 - 2. Glidden Spred Primer Sealer Y3416 Series.
 - 3. MAB Fresh Kote 037 Line.
 - 4. Benjamin Moore Latex O.D. Prime Seal 201-00.
 - 5. Tnemec Series 51-792 Sealer.
 - 6. Pittsburgh Speedhide Primer Sealer #6-2.
 - 7. Or as specifically recommended by the Manufacturer for the proposed finish coat.
- E. Latex Semi
 - 1. MAB Rich Lux 023
 - 2. Porter H-Hide 109
 - 3. Benjamin Moore Regal Aquaglo 333
 - 4. Pittsburgh Wallhide
 - 5. DeVoe WonderTone 37
- F. Latex Eggshell (Owner will choose both 'G' or 'H')

1. MAB Rich Lux 028
 2. Porter Hi-Hide 389
 3. Benjamin Moore Moorecraft 186
 4. Pittsburg Wall Hide
 5. DeVoe WonderTone 34
- G. Epoxy Egg Shell
1. Sherwin Williams pre catalyzed Epoxy #B73 – 2 coats. This product used in Restroom 117.1.
- H. Latex Semi-Gloss Finish (Interior metal)
1. Sherwin Williams DTM Acrylic CTG
 2. MAB DTM M29
 3. Benjamin Moore DTM M29
 4. Pittsburgh 7-374
- I. Gloss Latex (60% @ 60 degrees F.):
1. DTM Products, similar to semi-gloss specification.
- J. Sanding Sealer for natural finishes - use Manufacturer's recommended sanding sealer or thin urethane varnish as appropriate.
- K. Varnish - Polyurethane satin or "hand rubbed" finish for wood window trim.
1. Sherwin Williams A67 Series
 2. Glidden Satin Polyurethane.
 3. MAB Rich Lux Satin Polyester.
 4. Benjamin Moore Impervo Satin 414.
 5. Pittsburgh REZ Polyurethane #77-9.

3. EXECUTION

3.1. SURFACE CONDITIONS

- A. Inspect all surfaces for defects prior to starting finishing operations and notify the appropriate persons to make suitable repair and corrections. Be responsible for all rework of finish systems made necessary by application to improperly prepared surfaces.
- B. As painting operations proceed inspect for chips, abrasions, mortar slobbers, pitch strikes, cracks and hot spots. All defects that are evident shall be repaired and repainted.
- C. Touch up marred or worn factory primers before painting. Wash down metal with mineral spirits or approved cleaner to assure bond.
- D. PROVIDE PRIMERS IN ALL LOCATIONS APPROPRIATE FOR MATERIAL BASE AND MATERIAL EXPOSURE.

- E. Protect all surrounding work from damage.
- F. Sand surfaces that are not smooth prior to applying succeeding coats.

3.2. WORKMANSHIP

- A. Quality workmanship is required. Only skilled mechanics shall be employed to ensure the very best workmanship. Materials to be applied by craftsmen shall be applied only by those familiar with the specific products involved.
- B. Each coat called for shall be applied to achieve 100% coverage of the surface and materials shall be applied as recommended by the Paint Manufacturer.
- C. One coat shall be considered to completely cover the material being finished such that the surface, including all voids and indentations such as in wood or concrete block, no longer retains the color of the surface material but only that of the finish applied. The cover achieved will be subject to the approval of the Architect/Engineer in all cases.
 - 1. Every applied coat shall be allowed to dry before subsequent coats are applied.
 - 2. Color applied to north, south, and portions of east wall shall match existing color.
- D. For finishes similar in color to the material or for finishes with little or no pigments, such as varnish, the coats shall be of adequate thickness to meet the approved requirements assuming that the surface and finish were of complementary colors. The cover achieved will be subject to the approval of the Architect/Engineer in all cases.
- E. In the process of painting surfaces, caution shall be used to avoid discontinuity in the finish surface texture or appearance such as at lap joints, corners, etc.
- F. All materials shall be applied under 100 F.C. illumination. Materials shall be uniformly spread without runs or sags.
- G. All coating called for shall be applied in back of all fixtures, cabinets and tackboards before said items are secure in place.

3.3. STORAGE

- A. Flammable materials storage should be kept to a minimum of currently-in-use materials only. Overnight storage shall not be allowed in the building.

3.4. APPLICATION

- A. Application rates that are specified in these Specifications shall be

considered as minimum rates but shall not supersede the coverage requirements specified herein or the recommendations of the Paint Manufacturer.

- B. It is the intent that all finish coating systems specified (excluding primer only) present a finished uniform appearance, free of lap marks, color variation, sheen variation and irregularities. Provide additional coats as needed to accomplish this finish intent.
- C. Application shall be per the following schedule except that, in no case, shall materials be applied over a base preparation not in accordance with the Paint Manufacturer's specifications. See Drawing Notes and Room Finish Schedule for finishing directions.
- D. Interior masonry and gypsum board walls
 - 1. Apply block filler to masonry if masonry behind upper cabinets is not painted.
 - 2. Masonry– apply two (2) coats.
 - 3. It is not necessary to paint surfaces presently covered by base cabinets.

END 09900

1. GENERAL

1.1. WORK INCLUDES

A. Base Bid Demolition

1. Room 155 – disconnect six (6) existing sinks. Carefully store for reinstallation.
2. Remove faucet to six (6) sinks – carefully store and reinstall.
3. Sanitary to remain for reconnection to new sinks.

B. Base Bid

1. Reinstall six (6) existing sinks with faucet after casework is installed.

1.2. RELATED WORK

A. Specified elsewhere

1. 02072 – Minor Demolition for Remodeling

1.3. QUALITY ASSURANCE

- A. All work to be in accord with the Illinois Plumbing Code.

2. PRODUCTS

2.1. SINK

- A. Reinstall existing sink.

2.2. FAUCET SET

- A. Reinstall existing faucets.

2.3. MISCELLANEOUS

- A. Provide new ½" NPS copper supply piping – new brass stops and new PVC or brass waste. Size to match existing.

3. EXECUTION

3.1. DEMOLITION

- A. Remove six (6) existing sinks in Room 155 so that supply and waste may be reconnected.

1. The 2" sanitary waste is to be retained for reconnection of new sinks.

3.2. INSTALLATION

- A. Provide template for counter cut-out on utility sink.
 1. Cut back of casework to allow for supply and waste.
 2. Cutout to be arranged by General Contractor or Plumbing Subcontractor.
- B. Assemble fixtures, trim, fittings, and all components to make fixture workable.
 1. Use ball valves if stops are not provided with fixtures.
- C. Install counter-mounted fixtures as directed by Manufacturer's instructions and rough-in Drawings.
- D. Install trap and new waste piping connected to existing drain system in wall.
- E. Use PVC to extend condensate drain. Install 45 deg. elbow. Drain shall extend out two inches (2") including elbow.
- F. Follow IL Plumbing Code for no hub connection into cast iron soil pipe.
- G. Compact gravel into the excavation and pour new 4" concrete slab over excavated area.

3.3. ADJUSTMENT

- A. Operate all plumbing fixtures and adjust for proper flow.
- B. Clean all fixtures following completion of work.

END 15410

DIVISION 26 - ELECTRICAL
26 0529 - HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

1. GENERAL

1.1. SECTION INCLUDES

- A. Support and attachment components for equipment, conduit, cable, boxes, and other electrical work.

1.2. RELATED REQUIREMENTS

- A. Section 26 0534 - Conduit: Additional support and attachment requirements for conduits.
- B. Ceiling supported devices such as retractable extension cord reels shall be securely anchored from structure to be resistant to anticipated possible abuse during use.

1.3. REFERENCE STANDARDS

- A. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2015.
- B. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.4. ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate sizes and arrangement of supports and bases with the actual equipment and components to be installed.
 - 2. Coordinate the work with other trades to provide additional framing and materials required for installation.
 - 3. Coordinate compatibility of support and attachment components with mounting surfaces at the installed locations.
 - 4. Coordinate the arrangement of supports with ductwork, piping, equipment and other potential conflicts installed under other sections or by others.
 - 5. Notify Architect of any conflicts with or deviations from the contract documents. Obtain direction before proceeding with work.

2. PRODUCTS

2.1. SUPPORT AND ATTACHMENT COMPONENTS

A. General Requirements:

1. Provide all required hangers, supports, anchors, fasteners, fittings, accessories, and hardware as necessary for the complete installation of electrical work.
2. Where support and attachment component types and sizes are not indicated, select in accordance with manufacturer's application criteria as required for the load to be supported with a minimum safety factor of 2. Include consideration for vibration, equipment operation, and shock loads where applicable.
3. Do not use products for applications other than as permitted by NFPA 70 and product listing.
4. Steel Components: Use corrosion resistant materials suitable for the environment where installed.
 - a. Zinc-Plated Steel: Electroplated in accordance with ASTM B633.
 - b. Galvanized Steel: Hot-dip galvanized after fabrication in accordance with ASTM123/A123M or ASTM A153/A153M.

B. Conduit and Cable Supports: Straps, clamps, etc. suitable for the conduit or cable to be supported.

1. Conduit Straps: One-hole or two-hole type; steel or malleable iron.
2. Conduit Clamps: Bolted type unless otherwise indicated.

C. Outlet Box Supports: Hangers, brackets, etc. suitable for the boxes to be supported.

D. Metal Channel (Strut) Framing Systems: Factory-fabricated continuous-slot metal channel (strut) and associated fittings, accessories, and hardware required for field-assembly of supports.

1. Comply with MFMA-4.

E. Hanger Rods: Threaded zinc-plated steel unless otherwise indicated.

F. Anchors and Fasteners:

1. Unless otherwise indicated and where not otherwise restricted, use the anchor and fastener types indicated for the specified applications.

3. EXECUTION

3.1. EXAMINATION

- #### A. Verify that mounting surfaces are ready to receive support and attachment components.

- B. Verify that conditions are satisfactory for installation prior to starting work

3.2. INSTALLATION

- A. Install products in accordance with manufacturer's instructions.
- B. Install support and attachment components in a neat and workmanlike manner in accordance with NECA 1.
- C. Provide independent support from building structure. Do not provide support from piping, ductwork, or other systems.

END 26 0529

1. GENERAL
 - 1.1. SECTION INCLUDES
 - A. Electrical metallic tubing (EMT).
 - B. Conduit fittings.
 - C. Accessories.
 - 1.2. RELATED REQUIREMENTS
 - A. Section 26 0529 - Hangers and Supports for Electrical Systems.
 - 1.3. REFERENCE STANDARDS
 - A. ANSI C80.3 - American National Standard for Steel Electrical Metallic Tubing (EMT); 2005.
 - B. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
 - C. UL 1 - Flexible Metal Conduit; Current Edition, Including All Revisions.
 - D. UL 797 - Electrical Metallic Tubing-Steel; Current Edition, Including All Revisions.
 - 1.4. QUALITY ASSURANCE
 - A. Conform to requirements of NFPA 70.
2. PRODUCTS
 - 2.1. CONDUIT APPLICATIONS
 - A. Do not use conduit and associated fittings for applications other than as permitted by NFPA 70 and product listing.
 - B. Unless otherwise indicated and where not otherwise restricted, use the conduit types indicated for the specified applications. Where more than one listed application applies, comply with the most restrictive requirements. Where conduit type for a particular application is not specified, use galvanized steel rigid metal conduit.
 - C. Concealed Within Hollow Stud Walls: Use galvanized steel rigid metal conduit.
 - D. Concealed Above Accessible Ceilings: Use galvanized steel rigid metal conduit or electrical metallic tubing (EMT).

- E. Interior, Damp or Wet Locations: Use galvanized steel rigid metal conduit.
- F. Exposed, Interior, Subject to Physical Damage: Use galvanized steel rigid metal conduit.
 - 1. Locations subject to physical damage include, but are not limited to:
 - a. Where exposed below 8 feet, except within electrical and communication rooms or closets.
 - b. Where exposed below 20 feet in gym.
- G. Connections to Luminaires Above Accessible Ceilings: Use flexible metal conduit.
- H. Connections to Vibrating Equipment:
 - 1. Dry Locations: Use flexible metal conduit.
 - 2. Maximum Length: 6 feet unless otherwise indicated.

2.2. CONDUIT REQUIREMENTS

- A. Existing Work: Where existing conduits are indicated to be reused, they may be reused only where they comply with specified requirements, are free from corrosion, and integrity is verified by pulling a mandrel through them.
- B. Provide all conduit, fittings, supports, and accessories required for a complete raceway system.
- C. Provide products listed, classified, and labeled as suitable for the purpose intended.
- D. Where conduit size is not indicated, size to comply with NFPA 70 but not less than applicable minimum size requirements specified.

2.3. FLEXIBLE METAL CONDUIT (FMC)

- A. Description: NFPA 70, Type FMC standard wall steel flexible metal conduit listed and labeled as complying with UL 1, and listed for use in classified firestop systems to be used.
- B. Fittings:
 - 1. Description: Fittings complying with NEMA FB 1 and listed and labeled as complying with UL 514B.
 - 2. Material: Use steel or malleable iron.

2.4. ELECTRICAL METALLIC TUBING (EMT)

- A. Description: NFPA 70, Type EMT steel electrical metallic tubing complying with ANSI C80.3 and listed and labeled as complying with UL 797.
- B. Fittings:
 - 1. Description: Fittings complying with NEMA FB 1 and listed and labeled as complying with UL 514B.
 - 2. Material: Use steel or malleable iron.

3. Connectors and Couplings: Use compression (gland) or set-screw type.
 - a. Do not use indenter type connectors and couplings.

2.5. ACCESSORIES

- A. Pull Strings: Use nylon cord with average breaking strength of not less than 200 pound-force.

3. EXECUTION

3.1. INSTALLATION

- A. Install products in accordance with manufacturer's instructions.
- B. Install conduit in a neat and workmanlike manner in accordance with NECA 1.
- C. Conduit Routing:
 1. Conceal all conduits unless specifically indicated to be exposed.
- D. Conduit Support:
 1. Secure and support conduits in accordance with NFPA 70 and Section 26 0529 using suitable supports and methods approved by the authority having jurisdiction.
 2. Provide independent support from building structure. Do not provide support from piping, ductwork, or other systems.
 3. Installation Above Suspended Ceilings: Do not provide support from ceiling support system. Do not provide support from ceiling grid or allow conduits to lay on ceiling tiles.
- E. Connections and Terminations:
 1. Use suitable adapters where required to transition from one type of conduit to another.
 2. Provide insulating bushings or insulated throats at all conduit terminations to protect conductors.
 3. Secure joints and connections to provide maximum mechanical strength and electrical continuity.
- F. Penetrations:
 1. Do not penetrate or otherwise notch or cut structural members, including footings and grade beams, without approval of Structural Engineer.
 2. Make penetrations perpendicular to surfaces unless otherwise indicated.
 3. Provide sleeves for penetrations as indicated or as required to facilitate installation. Set sleeves flush with exposed surfaces unless otherwise indicated or required.
 4. Where conduits penetrate waterproof membrane, seal as required to maintain integrity of membrane.
 5. Install firestopping to preserve fire resistance rating of partitions and other elements, using materials and methods specified in Section 07 8400.
- G. Condensation Prevention: Where conduits cross barriers between areas of potential substantial temperature differential, provide sealing fitting or approved

sealing compound at an accessible point near the penetration to prevent condensation. This includes, but not limited to:

1. Where conduits pass from outdoors into conditioned interior spaces.
2. Where conduits pass from unconditioned interior spaces into conditioned interior spaces.

3.2. PROTECTION

- A. Immediately after installation of conduit, use suitable manufactured plugs to provide protection from entry of moisture and foreign material and do not remove until ready for installation of conductors.

END 26 0534

1. GENERAL

1.1. SECTION INCLUDES

- A. Outlet and device boxes up to 100 cubic inches, including those used as junction and pull boxes.
- B. Cabinets and enclosures, including junction and pull boxes larger than 100 cubic inches.

1.2. REFERENCE STANDARDS

- A. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.3. ADMINISTRATIVE REQUIREMENTS

A. Coordination:

- 1. Coordinate the work with other trades to avoid placement of ductwork, piping, equipment, or other potential obstructions within the dedicated equipment spaces and working clearances for electrical equipment required by NFPA 70.
- 2. Coordinate the work with other trades to preserve insulation integrity.
- 3. Coordinate the work with other trades to provide walls suitable for installation of flush-mounted boxes where indicated.
- 4. Notify Architect of any conflicts with or deviations from the contract documents. Obtain direction before proceeding with work.

1.4. QUALITY ASSURANCE

- A. Conform to requirements of NFPA 70.

2. PRODUCTS

2.1. BOXES

A. General Requirements:

- 1. Do not use boxes and associated accessories for applications other than as permitted by NFPA 70 and product listing.
- 2. Provide all boxes, fittings, supports, and accessories required for a complete raceway system and to accommodate devices and equipment to be installed.

B. Outlet and Device Boxes Up to 100 cubic inches, Including Those Used as Junction and Pull Boxes:

- 1. Use sheet-steel boxes for dry locations unless otherwise indicated or required.

2. Use shallow boxes where required by the type of wall construction.
3. Boxes for Supporting Luminaires and Ceiling Fans: Listed as suitable for the type and weight of load to be supported; furnished with fixture stud to accommodate mounting of luminaire where required.

C. Cabinets and Enclosures, Including Junction and Pull Boxes Larger Than 100 cubic inches:

1. Comply with NEMA 250, and list and label as complying with UL 50 and UL 50E, or UL 508A.

3. EXECUTION

3.1. INSTALLATION

- A. Install products in accordance with manufacturer's instructions.
- B. Perform work in a neat and workmanlike manner in accordance with NECA 1 and, where applicable, NECA 130, including mounting heights specified in those standards where mounting heights are not indicated.
- C. Arrange equipment to provide minimum clearances in accordance with manufacturer's instructions and NFPA 70.
- D. Box Locations:
 1. Locate boxes to be accessible. Provide access panels if necessary. Do not locate in obtrusive locations.
- E. Flush-Mounted Boxes:
 1. Install boxes in noncombustible materials such as concrete, tile, gypsum, plaster, etc. so that front edge of box or associated raised cover is not set back from finished surface more than 1/4 inch or does not project beyond finished surface.
 2. Install boxes in combustible materials such as wood so that front edge of box or associated raised cover is flush with finished surface.
 3. Repair rough openings around boxes in noncombustible materials such as concrete, tile, gypsum, plaster, etc. so that there are no gaps or open spaces greater than 1/8 inch at the edge of the box.
- F. Install boxes as required to preserve insulation integrity.

END 26 0537

1. GENERAL

1.1. Base Bid Includes

- A. Install five (5) retractable reel cords in the center of Room 155, see plan.
- B. These fixtures shall be fed by the sub panel N, in Room 152 about 50' from the center of Room 155.
- C. Install raceway to new JB and extend switch leg for existing exhaust fan on roof.

2. PRODUCTS

2.1. Reels to be commercial grade, Hubble or similar

- A. 14/3 ga cord or better
- B. 13 amp 125V rated capacity
- C. 15' pull out length with 3 receptacles on each drop

3. INSTALLATION

3.1. Locate in center of room approximately 4' apart. Make sure reels are secured to substantial construction not ceiling grid for probable abuse they may receive.

- A. Set box in center of room above ceiling. See plan for locations of reels.
- B. Provide conduit from box to panel N, in Room 152. Provide 12/3 copper wiring to panel.
- C. Install 20 amp breaker in panel.

END 26 0920

1. GENERAL
 - 1.1. SECTION INCLUDES
 - A. Electrical connections to equipment.
 - 1.2. RELATED REQUIREMENTS
 - A. Section 26 0534 - Conduit.
 - B. Section 26 0537 - Boxes.
 - C. Section 26 0920 - Fixtures
 - 1.3. REFERENCE STANDARDS
 - A. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
 - 1.4. ADMINISTRATIVE REQUIREMENTS
 - A. Sequencing:
 1. Install rough-in of electrical connections before installation of equipment is required.
 2. Make electrical connections before required start-up of equipment.
 - 1.5. QUALITY ASSURANCE
 - A. Conform to requirements of NFPA 70.
 - B. Products: Listed, classified, and labeled as suitable for the purpose intended.
 - C. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.
2. PRODUCTS
 - 2.1. MATERIALS
 - A. Wire and Cable: Copper THHN/THWN se drawings
 - B. Provide new wall mount box on west wall under overhead cabinet, nominal 10' from north wall.
 - 2.2. EQUIPMENT CONNECTIONS
 - A. HVAC Equipment:

1. Install circuit and switch for exhaust fan on status "on" red or yellow light for existing roof mount exhaust fan, verify where existing fan circuit is fed from, disconnect or revise to switch operation.

3. EXECUTION

3.1. EXAMINATION

- A. Verify that equipment is ready for electrical connection, wiring, and energization.

3.2. ELECTRICAL CONNECTIONS

- A. Existing exhaust fan on roof and duct work in Room 155 has breaker in Panel 'N', Room 152.
 1. It is unknown how this fan was controlled on/off, thus addition of switch leg in this contract.
 2. Manual operation of the exhaust fan on/off by teacher is the requirement.
 3. For bidding:
 - a. Determine if exhaust fan is operable and functions properly
 - b. Provide new switch to control as noted above.
 - c. Verify the circuit in Panel 'N' actually goes to this fan and is intact to the fan.
 - d. Additional work required to resolve this issue will be considered unforeseen condition.
- B. Make conduit connections to equipment using flexible conduit when appropriate. Use liquid tight flexible conduit with watertight connectors in damp or wet locations.
- C. At exhaust fan, provide disconnecting means, preferable is receptacle with cord to fan.
- D. Install suitable strain-relief clamps and fittings for cord connections at outlet boxes and equipment connection boxes.
 1. This includes all the cord reel boxes
- E. Install disconnect switches, controllers, control stations, and control devices to complete equipment wiring requirements.
- F. Install interconnecting conduit and wiring between devices and equipment to complete equipment wiring requirements.

END 26 2717