



ADDENDUM

ADDENDUM NO. 08

BID PACKAGE NO. ALL

PROJECT: Hamilton Heights High School – Phase Two Projects

The information contained herein modifies the original Bidding Documents and all prior Addenda as applicable. Requirements of the original Bidding Documents and previous Addenda remain in effect, except as modified by this Addendum.

Bidders must acknowledge receipt of this Addendum on the Bid Form. Failure to acknowledge receipt of this Addendum may subject Bidder to disqualification. This addendum includes:

ATTACHMENTS

- 1. 00 42 00 – Contractor Supplemental Bid Form**
 - i. Added spaces for addendum acknowledgment.
- 2. 01 12 00 – Bid Packages (Scope of Work)**
 - i. BP-11 – Fire Suppression – remove and replace this section in it's entirety
 - ii. BP-12 – HVAC and Plumbing – remove and replace this section in it's entirety
 - iii. BP-13 – Electrical – remove and replace this section in it's entirety

PART 1 – GENERAL INFORMATION

- i. Minor modifications/ clarifications added to the bid packages listed above. Please review and acknowledge on revised bid form 00 42 00.

PART 2 – DIVISIONS 00 & 01

PART 3 – DRAWINGS

3.1 - N/A

END MEYER NAJEM PORTION ADDENDUM 8



THIS MUST BE ATTACHED TO BID FORM 96

Hamilton Heights Phase Two Projects

Date: _____

Bidder (Firm): _____

Address: _____

City/State/ZIP Code: _____

Telephone Number: _____

Agent of Bidder (if applicable): _____

Pursuant to notices given, the undersigned offers to furnish labor and/or material necessary to complete the construction work for:

Insert Bid Package Name and Number (also put this on the Bid Envelope Cover)

NO COMBINATION BIDS WILL BE ACCEPTED

By submitting this bid, The Bidder acknowledges that The Bidder and all its subcontractors, whatever tier, whose respective contract is equal to or in the excess of \$300,000 shall be qualified by the Indiana Department of Administration at the time of bid submission or is in the process of completing this paperwork with the State of Indiana. Reference Section 00 21 00 Instructions to Bidders, Article 2, Paragraph 2.4.

Bidder acknowledges compliance with Statement above (check box): YES ____

By submitting this bid, The Bidder acknowledges their company has instituted and maintains an adequate drug policy that meets the IC 5-16-13 code. Evidence of said policy shall be made available within 24 hours of the bid opening.

Bidder acknowledges compliance with Statement above (check box): YES ____

By submitting this bid, The Bidder acknowledges full compliance with the materials and equipment as specified for this project.

Bidder acknowledges compliance with Statement above (check box): YES ____

Bidder has included a satisfactory Bid Bond or certified check pursuant to I.C. 36-1-12-4.5, payable to Meyer Najem Construction, LLC. Bid Security shall be in the amount of not less than 5% of the total base bid price. Should a successful Bidder withdraw their Bid, fail to provide the required payment and performance bonds, or execute the contract, the Contractor may then declare the Bid security forfeited as liquidated damages. Bid Bond shall be submitted on AIA Document A310.

Bidder acknowledges compliance with Statement above (check box): YES ____

Bidder has included the cost of a 100% Material Payment and Labor Performance Bond in their Base Bid.

Bidder acknowledges compliance with Statement above (check box): YES ____



BASE BID for the above-mentioned project - Bids shall be guaranteed for 60 calendar days.

For the sum of _____
(sum in words)
_____ DOLLARS (\$ _____)
(sum in figures)

ALTERNATE BIDS

A blank entry or an entry of "No Bid," "N/A," or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected and affects the submitted bid category. See specification section 01 23 00 for more detailed descriptions of the alternates.

MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATIVE

Reference Specification Section 01 23 00 – Alternates for a complete description

HIGH SCHOOL OFFICE ADDITION

ALTERNATE 1: Building Addition

Base Bid: No work.

Alternate: Provide all civil, landscape, structural, architectural, mechanical, electrical, plumbing, and technology work associated with east administrative office addition.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$ _____) ADD /
DEDUCT

ALTERNATE #2: Roofing Membrane

Base Bid: Fully adhered TPO membrane roof – reference Drawing 1/A121 and Specification 07 54 23.

Alternate: Fully adhered PVC membrane roof – reference Drawing 1/A121 and Specification 07 54 19.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$ _____) ADD /
DEDUCT



ALTERNATE #3: Cement Stabilization Building Pad

Base Bid: No work included in base bid.

Alternate: State the costs associated with providing Cement Stabilization of Earthwork for the High School Office Addition Building Pad as indicated on the drawings and specifications and as recommended by the Alt & Witzig Geo-Tech Report. Note the stated Alternate amount will be treated as a Not to Exceed (NTE) Allowance to the awarded contractor's contract. Appropriate paperwork, substantiating costs, shall be provided to Meyer Najem throughout the installation of this scope of work. Failure to do so would void reimbursement for portion of work that is not properly documented.

Change the Base Bid the sum of _____
(sum in words) ADD /
_____ DOLLARS (\$) DEDUCT

AGRICULTURE & OUTBUILDINGS

(Agriculture Addition Roof 2/A121, Locker Room Building Roof 1/A123OB, Elevator Shaft Roof 2/A123OB, Ticket Booth Roof 3/A123OB)

ALTERNATE #4: Roof Membrane

Base Bid: Fully adhered TPO membrane roof – reference Drawing 1/A121 and Specification 07 54 23.

Alternate: Fully adhered PVC membrane roof – reference Drawing 1/A121 and Specification 07 54 19.

Change the Base Bid the sum of _____
(sum in words) ADD /
_____ DOLLARS (\$) DEDUCT

ALTERNATE #5: Cement Stabilization Building Pad

Base Bid: No work included in base bid.

Alternate: State the costs associated with providing Cement Stabilization of Earthwork for the Agriculture Addition & Outbuildings Building Pads (*Agriculture Addition, Locker Room Building, Elevator Shaft Structure, Ticket Booth Structures*) as indicated on the drawings and specifications and as recommended by the Alt & Witzig Geo-Tech Report. Note the stated Alternate amount will be treated as a Not to Exceed (NTE) Allowance to the awarded contractor's contract. Appropriate paperwork, substantiating costs, shall be provided to Meyer Najem throughout the installation of this scope of work. Failure to do so would void reimbursement for portion of work that is not properly documented.

Change the Base Bid the sum of _____
(sum in words)



_____ DOLLARS (\$_____) ADD /
_____ DEDUCT

ALTERNATE #6: Cement Stabilization Site Pavement Areas

Base Bid: No work included in base bid.

Alternate: State the costs associated with providing Cement Stabilization of Earthwork for the Agriculture Addition & Outbuildings Site Pavement subgrade – refer to Sheets L101, L102, L103, L104 and L105 as indicated on the drawings and specifications and as recommended by the Alt & Witzig Geo-Tech Report. Note the stated Alternate amount will be treated as a Not to Exceed (NTE) Allowance to the awarded contractor's contract. Appropriate paperwork, substantiating costs, shall be provided to Meyer Najem throughout the installation of this scope of work. Failure to do so would void reimbursement for portion of work that is not properly documented.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD /
_____ DEDUCT

SITE IMPROVEMENTS

ALTERNATE #7: Soccer Field Viewing Mound & Sidewalk

Base Bid: No work included in base bid.

Alternate: Additional cost to provide soccer viewing berm and concrete pad and walk as incated in L and C series sheets.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD /
_____ DEDUCT

ALTERNATE #8: Soccer Viewing Mound & Sidewalk

Base Bid: No work included in base bid.

Alternate: State the costs associated with providing Cement Stabilization of Soccer Viewing Mound & Sidewalk subgrade – (refer to L and C series sheets) as recommended by the Alt & Witzig Geo-Tech Report. Note the stated Alternate amount will be treated as a Not to Exceed (NTE) Allowance to the awarded contractor's contract. Appropriate paperwork, substantiating costs, shall be provided to Meyer Najem throughout the installation of this scope of work. Failure to do so would void reimbursement for portion of work that is not properly documented.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD /
_____ DEDUCT



NEW HIGH SCHOOL CHILLER, PIPING, PUMPS, CONTROLS, ETC.

ALTERNATE #9: High School Chiller and Enclosure

Base Bid: No work included in base bid.

Alternate: State the costs associated with providing new chiller, piping, pumps, controls, etc., and mechanical yard fencing as indicated in drawings.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$) ADD / DEDUCT

ADDENDUM 4 – ADDED ALTERNATE

ALTERNATE #10 – (2) Two Year Warranty

Base Bid: Warranty as listed in the specifications

Alternate: State the cost to be Added to the Base Bid to provide a Two-Year Warranty for all scope within the applicable Bid Packages – inclusive of all Alternates above. This alternate is in lieu of the standard (1) One Year Warranty as described within the Contract Documents.

Note: Any special or extended warranties listed within specification section greater than one year are still required for the base bid for length indicated in specification section.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$) ADD / DEDUCT

The undersigned acknowledges receipt of the following Addenda:

Addenda: Receipt of addenda issued to the contract documents is hereby acknowledged.

Addenda No.	_____	Dated:	_____
Addenda No.	_____	Dated:	_____
Addenda No.	_____	Dated:	_____
Addenda No.	_____	Dated:	_____
Addenda No.	_____	Dated:	_____
Addenda No.	_____	Dated:	_____
Addenda No.	_____	Dated:	_____
Addenda No.	_____	Dated:	_____
Addenda No.	_____	Dated:	_____

UNIT PRICES



SECTION 00 42 00b
CONTRACTORS SUPPLEMENTAL BID FORM

If extra work is necessary as required by the Plans and Specifications, or otherwise, such extra work, at the discretion of the Owner, will be completed according to the written instructions of the Architect and Owner for the following Unit Prices (list N/A if not applicable to your Bid Package) –

NO UNIT PRICES AT THIS TIME

Name of Firm: _____

From: _____

Signature: _____

Title: _____

ACKNOWLEDGEMENT

STATE OF _____)
COUNTY OF _____) ss

Before me, a Notary Public, personally appeared the above-named _____ and
swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this _____ day of _____.

Notary Public

My Commission Expires: _____

County of Residence: _____

END OF SECTION

BID PACKAGE #11 – FIRE PROTECTION

Scope Specific Inclusions:

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Section 08 31 13	Access Doors And Frames
Section 20 00 10	Common Work Results For Fire Suppression, Plumbing And Hvac
Section 20 00 50	Common Materials And Methods For Fire Suppression, Plumbing And Hvac
Section 20 00 60	Pipe, Valves, Fittings And Hangers For Fire Suppression, Plumbing And Hvac
Division 21	Complete

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

1. All work/responsibilities as listed in the General Scope Items "Applies to All Bidders".
2. All items in specifications section 21 shall be provided by this scope.
3. Specifications sections 00 and 01, in their entirety, and any other applicable or related specification items that apply to this scope of work.
4. Include all scope of work indicated, implied, or required by the Fire Protection Drawings and specifications.
5. Provide and install all pressure and flow sensors required. Line voltage power connections provided by electrical subcontractor to devices provided by this scope.
6. Fire protection scope items and related scope indicated on architectural, ~~civil~~, HVAC, plumbing, fire protection, structural and other contract documents for a fully operational fire suppression system. Other than as outlined in the exclusions section below. – **Addendum 3**
7. Include all testing required for this scope.
8. ~~Connections to the civil utility infrastructure. The piping will be brought into the building by others.~~
– **Addendum 3**
9. All mains, branch piping, RPZ's, heads, accessories, escutcheons, etc.
10. Furnish and install all sleeves, carriers, supports etc. required for this scope.
11. Install flashing, counter-flashing, and/or sealant at all penetrations of Fire Sprinkler System components through the exterior wall system and/or waterproofed areas unless same is specifically shown to be provided by another contractor. The Roofing Contractor shall seal all roof penetrations.
12. Drafts of all required operation and maintenance manuals, valve tagging charts, etc. as outlined by the plans/specifications, or required by governing codes are to be submitted no later than Project 50% completion. Spare parts, as-built drawings, pipe identification, etc. are to be provided per specifications/drawings.
13. All miscellaneous supports for piping and equipment, risers, etc. required for the proper completion of the this scope of work. Structural framework and supports provided by others is limited to that specifically shown and indicated on the Structural Drawings.
14. Coordinate so that no pipe is run over the top of electrical or communication panels. MEP coordination may not show all locations of service panels, Subcontractor to ensure that this requirement is met.
15. Coordinate the sprinkler head locations with the architectural reflected ceiling plans and shop drawings. Additional heads which may be required to meet code are to be included at no charge.
16. All required pipe labeling shall be installed prior to the installation of ceiling grid.
17. Provide and shop drawings, submittals and operation manuals as required per specifications.

Addendum 2 – 02/28/2024

Addendum 3 – 03/05/2024

Addendum 8 – 03/25/2024

18. Seismic considerations as required by the design documents per local building codes and NFPA Standards. Reference contract documents for site classification for project.
19. Coordinate routing and layout with other Mechanical and Electrical trades to identify and eliminate conflicts.
20. It is the responsibility of this contractor, to create all ceiling penetrations for their assemblies. The ACT installing contractor will have grid in place, and an early delivery of ceiling tile on- site for this bid package to complete their installations.
21. Review RCP drawings, demolition scope and new architectural scope. New and existing sprinkler heads need to be centered in ceiling tile and properly coordinated with other ceiling types.
22. Provide all demolition, as applicable, for your scope of work. This includes the traditional “cut, cap and make safe” scope as well as dropping items and removing them from the building to the dumpster (dumpsters by others). Demolition of all ceilings and partitions will be performed by BP06 – General Trades. Please coordinate with this bid package for all demolition requirements.
23. Each sprinkler system zone, which is taken out of service to preform piping and sprinkler modifications, must be put back into service each day before the contractor leaves the site. No Fire Protection system can be left out of service for any reason over an extended period of time.
24. Provide BIM modeling. Incorporate overhead ceiling coordination drawings that identify routing for Fire Suppression, Plumbing, Electrical and HVAC. Routing of individual systems shall be provided per the approved coordination drawings and any variances that arise the subcontractor that has deviated from the approved coordination drawings will be responsible for any costs associated.
25. Provide all access doors either shown or implied for future access of assemblies. Installation to be performed by BP06-General Trades.

Addendum 2 – 02/28/2024

26. Contractor to coordinate with BP09 for ACT and drywall ceiling demolition. This bid package is to exclude all demolition of ACT and/ or drywall ceilings.

Addendum 3 – 03/05/2024

27. Contractor to connect to civil utilities outside of the building. Contractor to bring their assemblies into the building, and provide all flashing and

Addendum 8 – 03/25/2024

28. This bid package is responsible for connection to the spark suppression system as detailed on FP201A, detail A.
29. Contractor responsible for all work indicated on Detail A, FP203.

Work Excluded:

30. Primary Construction Layout
31. Fire extinguishers and cabinets
32. Test and balance – to be performed by owner
33. Firestopping

END OF BID PACKAGE #11 – FIRE PROTECTION

BID PACKAGE #12 – MECHANICAL / PLUMBING

Scope Specific Inclusions:

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Section 08 31 13	Access Doors And Frames
Section 20 00 10	Common Work Results For Fire Suppression, Plumbing And Hvac
Section 20 00 50	Common Materials And Methods For Fire Suppression, Plumbing And Hvac
Section 20 00 60	Pipe, Valves, Fittings And Hangers For Fire Suppression, Plumbing And Hvac
Division 22	Complete
Division 23	Complete

Work Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

1. Include a Payment and Performance Bond in the proposal for this scope of work.
2. All work/responsibilities as listed in the "General Scope Items - Applies to ALL Bidders" above.
3. Provide all scope on the M-series and P-series drawings.
4. Provide necessary servicing of existing chiller and evaporator. See list of alternates for work associated with the (potential) new chiller.
5. Provide all work in compliance with all applicable codes.
6. Include all supports and bracing of all plumbing items as required.
7. ~~Provide all applicable firestopping for your scope of work.~~ – **Addendum 3**
8. Provide all demolition, as applicable, for your scope of work. This includes the traditional "cut, cap and make safe" scope as well as dropping items and removing them from the building to the dumpster (dumpsters by others). This project requires a systematic removal of these items in a manner that ensures consistent and continuous operations, so this work shall be coordinated by this trade.
9. Include the labeling and tagging of all items as required.

Plumbing

10. Pipe sleeves at the foundation walls as required/indicated.
11. Provide all access panels for all scope items as required. Access panels will be installed in drywall and CMU partitions by others.
12. Equipment condensate piping as required.
13. This bid package shall request all submittals from the Construction Manager that affect their scope of work to cross reference power requirements versus what is shown on the Contract Documents.
14. Test and Balance for both plumbing and HVAC systems will be contracted directly by ~~Meyer Najem~~ the owner. Please coordinate with Meyer Najem superintendent and the Test and Balance (TAB) contractor selected. – **Addendum 3**
15. Provide maintenance and service of all equipment and systems provided per Scope of Work from the time it is put into service, during construction, and until acceptance by the Owner. Warranty will take effect with acceptance by the Owner in accordance with the Certificate of Substantial Completion. Extended warranty shall be provided for all equipment used during construction.
16. All miscellaneous supports for piping and equipment, risers, etc. required for the proper completion of the Mechanical (Plumbing & HVAC) Scope of Work. Structural framework and

- supports provided by others is limited to that specifically shown and indicated on the Structural Drawings.
17. Coordinate so that no pipe is run over the top of electrical or communication panels. MEP coordination may not show all locations of service panels, this scope of work to ensure that this requirement is met.
 18. Provide BIM modeling. Incorporate overhead ceiling coordination drawings that identify routing for Fire Suppression, Plumbing, Electrical and HVAC. Routing of individual systems shall be provided per the approved coordination drawings and any variances that arise the subcontractor that has deviated from the approved coordination drawings will be responsible for any costs associated.
 19. Include final connection to all owner/client provided equipment as applicable.
 20. Provide all labor and material for complete installation of all above and below grade sanitary, venting, and plumbing piping as required for a complete working plumbing system. Connect to the civil utilities. Domestic Water service shall be provided to 12" AFF by the Civil Utility Contractor. – Addendum 3
 21. Include the complete insulation of all plumbing piping as required / indicated.
 22. Include the make safe of all plumbing items scheduled to be demolished prior to demolition activities. Tag/identify all plumbing items readied for demolition.
 23. Include all trench drain(s) and covers as indicated.
 24. Provide all machine, hand, and rock excavation, backfilling, and **spoil removal** as required for the proper completion of the Work. Backfill material installed must be in accordance with the applicable sections of the Contract Documents.
 25. Sanitary waste and vent piping as required.
 26. Complete installation of the interior all roof drains as required. This includes the connection to the exterior sub surface drainage piping as required. Exterior downspouts and connections are by others. – Addendum 3
 27. Include all domestic water piping as required.
 28. Include all gas piping systems complete. Including but not limited to pipe, fitting, venting, control panels, etc. as required.
 29. Include the complete installation of all kitchen HVAC and plumbing including, but not limited to, sanitary waste and vent, water piping and duct systems. ~~Refer to the Kitchen Equipment Drawings.~~ This includes the final connections for all equipment as indicated. – Addendum 3
 30. Include all shutoffs, isolation valves, as required.
 31. Include all sleeves, RPZ's, piping, etc. for the irrigation system. Irrigation meter, distribution and heads are by others.
 32. Include grease waste piping and under counter grease interceptor if shown in the drawings. – Addendum 3
 33. Coordinate all new plumbing fixtures that are indicated and confirm applicability of the existing carriers and if they are scheduled to remain. Provide new carriers where necessary.
 34. Provide all slab sawcutting and trench excavation/backfill as required. Replace slabs as necessary, include applicable doweling and slab finish. Slab overcuts are not allowed, proper sawcutting should be utilized to avoid overcuts. Provide all slab infills as necessary. Include E5 admixture (coordinate with forthcoming approved concrete mix designs for this project).

HVAC

35. Include all scope of work indicated, implied, or required by the HVAC Drawings and specifications. HVAC scope items and related scope indicated on architectural, civil, HVAC, plumbing, food service, fire protection, structural and other contract documents. Other than as outlined in the exclusions section below.
36. Selective demo for all mechanical items as indicated. Include the make safe of all HVAC items scheduled to be demolished prior to demolition activities. Tag/identify all HVAC items readied for demolition.

37. Re-working of the existing ductwork, mechanical piping, mechanical equipment, etc. as indicated. Demolition of existing architectural finishes will be by the General Trades contractor. Please coordinate with BP06 – [General Trades](#) for all demolition requirements. – [Addendum 3](#)
38. All HVAC Equipment. Reference equipment schedules ~~etc.~~ on M601 and M611 for additional information. Including but not limited to: Rooftop dehumidification units, air cooled condensers, Rooftop units, Fans, gas fired infrared unit heaters, electric duct coils, VAV terminal units, and ductless split systems as indicated. – [Addendum 3](#)
39. Provide all electric duct mounted heaters where indicated. Electrical connections by others.
40. Temperature Control systems complete as indicated on ~~the documents~~ [M701](#), and [M702](#), and as [noted in the specifications](#). Coordinate with existing facility and equipment. Provide any necessary demolition, removal or remedial work. Coordinate the phasing of these items to keep all building systems online during construction. Make any temporary connections or work-arounds to maintain functionality of all active non-construction building areas. Provide new graphics and interface. This scope of work is responsible for all wiring, devices for this system.
41. ~~Provide cleaning of existing ductwork. This work shall be performed prior to connecting to new ductwork, VAVs, etc. Reference the drawings for additional information and requirements.~~ – [Addendum 3](#)
42. Any hoisting or rigging associated with equipment installation. Any necessary cranes shall be set in a location that is capable of supporting the applicable loads. Obtain proper crane permits in a timely manner. Protect roof as necessary. The delivery paths for the AHUs should be studied and understood during preparation of the bid and incorporated into planning.
43. Provide necessary refrigerant lines as indicated.
44. Dampers as indicated/required.
45. This subcontract is responsible for all angles, dampers, or sheet metal etc. for HVAC penetrations required to achieve fire rating. Firestopping will be provided by others.
46. Flexible duct connections where required and/or where ductwork crosses the building expansion joints.
47. Include any curbs or housekeeping pads for this scopes equipment. Confirm adequacy of existing pads schedule for reuse. If these pads must be made larger, include that work in this scope.
48. Coordinate all work with the reflected ceiling and structural drawings. The architectural plans shall take precedence.
49. This bid package shall include in their base bid all costs associated with participating in the MEP Coordination efforts as described in “01 32 50 – BIM Coordination”, including BIM Modeling for all fire suppression, plumbing, mechanical in coordination with framing, superstructure, electrical and food service equipment.
50. Meyer Najem will lead the BIM efforts and coordination meetings.
 - i. Each trade shall have their own drafter; both Plumbing and HVAC
51. Coordinate all shutdowns with the Construction Manager along with the school 48 hours in advance of shut down starting. If school operations or if work by other Bid Packages cannot accommodate the shutdown, said shut down will need to occur on a weekend or after hours. All overtime to be included in this bid package.
52. During construction, this contractor shall perform pressure testing of all piping systems (minimum 1.5 times working pressure or as specified – whichever is greater). All tests shall be witnessed by the Construction Manager and test reports and documentation shall be created by this contractor. Include such reports in on-site binders along with all permits, inspections, and testing procedures immediately after test are performed. Provide as-built drawings of system/piping being tested with each test report outlining the section of piping tested.
53. No layout markings are permitted on sealed concrete floors. Reference finish drawings for sealed concrete locations.
54. Furnish access doors and frames required for this Bid Package and not shown on the drawings. Installation for access panels by this bid package is to be by ~~the~~ [BP06 - General Trades](#) package.
55. Cut holes/openings in acoustic ceiling tiles and install for own work (inclusive of any sub-contractor's work). Ceiling tiles to be provided by others.

- i. This Bid Package will be responsible for any damaged ceiling tile after the above ceiling inspection and after ceiling tiles have been dropped.
 - 56. While the General Trades will be performing firestopping and fire caulking, this bid package will be responsible to confirm that all penetrations are ready for fire caulking. If any penetrations are added after fire caulking or firestopping is complete in each area, this bid package will be responsible for labor, materials, and equipment associated with firestopping these added penetrations.
 - 57. Seal all interior and exterior wall / ceiling penetrations.
 - 58. Penetrations in exposed areas to have escutcheon rings installed to fully cover the penetration hole.
 - 59. After removing piping, duct, and equipment, patch all holes, penetrations and openings with materials matching adjacent surfaces.
 - 60. If this contractor requires structural member for support of pipe hangers, etc. and cannot hit nearby joists or beams, it shall be this contractor's responsibility to provide and install secondary supports, as approved by the project structural engineer and per the material data requirements for a complete and secure installation.
 - 61. Provide all tests required for this Scope of Work. All tests are to be witnessed by the Construction Manager. Final test and balance to be performed by the owner.
 - 62. Include all demolition indicated on the Mechanical drawings and indicated or implied by other drawings/documents.
 - 63. Include cutting and capping of systems when required.
 - 64. Provide and install the natural gas system complete per the drawings and specifications. Provide and install all indicated plumbing fixtures and equipment as scheduled on drawings.
 - ~~65. Refer to Food Service Drawings and include all plumbing and HVAC work indicated.~~
 - 66. In wall rough in for temperature controls will be provided by the electrical contractor where indicated. Additional pathways shall be provided by this trade. This trade shall also provide all devices, cabling and copper required for a complete operational Temperature Controls System. Include all work per notes and schedules shown on M701, M702, and M703 for Controls details.
- Addendum 8**
- 67. Provide all demolition and removal of existing temperature controls devices and cabling/wiring.
 - 68. Ceiling removal shall be by others. Demolition of all ductwork indicated, HVAC equipment, plumbing fixtures and piping, and all grilles/registers/diffusers etc, to be by this scope. Include all scope on MD201, MD301, and similar.

Addendum 2 – 02/28/2024

- 69. Contractor to provide all sawcutting, demolition, and re- pouring of slabs required for installation of work. Slabs to be finished and free of any major defects, for flooring re- installation by bid package 06 General Trades
- 70. It is the responsibility of this trade to provide any firestopping that may be required for the installation of their assemblies. All fire caulking and sleeves required for the installation HVAC and plumbing systems are to be picked up by this bid package.

Addendum 3 – 03/05/2024

- 71. Include all items as they are shown or implied on sheet P100.
- 72. Include all work associated with plumbing fixture schedules as they are shown on P601.
- 73. Include rood cut/ patch, curb, AHU, and supports for new AHU as shown on M221 (Alternate)
- 74. Refer to temp facilities matrix in 01 50 00a for work required from this bid package.

Addendum 8 – 03/25/2024

- 75. Include all work shown within the AG Lab Chase Section and Life Skills Floor Plan, as shown on P202, detail A.

76. Include painting of all exterior pipe. Reference P203 and P223 – Paint pipe to match exterior of building.

Work Excluded:

1. Caulking of plumbing fixtures.
2. Test and Balance (TAB) of plumbing and HVAC systems.
3. Patching of existing walls, unless required by remedial work caused by this trade. Coordinate opening sizes and locations with Construction Manager.
4. Firestopping/ fire caulking – to be provided by BP-06 – General Trades.– **Addendum 3**
5. Food service drawings. – **Addendum 3**

END OF BID PACKAGE #12 – MECHANICAL / PLUMBING

BID PACKAGE #13 – ELECTRICAL / TECHNOLOGY

Scope Specific Inclusions:

All work per Specification Sections

00 & 01 Complete	Bidding & General Requirements
Division 26 Complete	Electrical
Division 27 Complete	Communications (see notes below)
Division 28 Complete	Electronic Safety and Security (see notes below)

Included but not limited to: (Provide all material, labor/installation, and equipment for the following, unless noted otherwise below)

1. Include a Payment and Performance Bond in the proposal for this scope of work.
2. All work/responsibilities as listed in the General Scope Items above “Applies to All Bidders”.
3. All scope of work indicated, implied, or required by the electrical drawings and specification sections 26, 27 and 28. Reference notes below. Specifically include all outlined on E001-E005.
4. Electrical scope items and related scope indicated on architectural, civil, HVAC, plumbing, fire protection, structural, and other contract documents. Other than as outlined in the exclusions section below.
5. Provide all demolition, as applicable, for your scope of work. This includes the traditional “cut, cap and make safe” scope as well as dropping items and removing them from the building to the dumpster (dumpsters by others). This project requires a systematic removal of these items in a manner that ensures consistent and continuous operations, so this work shall be coordinated by this trade.
6. Make-safe, cut, cap, and drop all electrical, communications and low voltage items that need to be removed. (tag items for removal) Include any pertinent in wall demo for items in walls that remain. Any removals from walls that remain shall be cleanly cut from stud to stud to allow for a clean drywall patch. Coordinate the phasing of all electrical demo in a manner that keeps all building systems online during construction. Make any temporary connections or work-arounds to maintain functionality of all active non-construction building areas
7. Provide all machine and hand excavation, backfilling, and **spoil removal** as required for the proper completion of the Work. Backfill material installed must be in accordance with the applicable sections of the Contract Documents.
8. Trenching, encasement and backfill of any conduit or electrical systems, as required.
9. Provide maintenance and service of all equipment and systems provided per Scope of Work from the time it is put into service, during construction, and until acceptance by the Owner. Warranty will take effect with acceptance by the Owner in accordance with the Certificate of Substantial Completion. Extended warranty shall be provided for all equipment used during construction.
10. Furnish and install all sleeves and embeds situated within foundation walls, slab on metal deck as required for the Electrical Scope of Work
11. Perform all required testing in the presence of the Architect, Engineer, Construction Manager, and other authorities having jurisdiction, if requested. Testing shall be performed by floor or zone as the Project progresses. Subcontractor shall provide adequate manpower during testing to monitor all life safety, mechanical, and temperature control systems component being tested as they relate to the Electrical System.
12. Provide fire rated backing or blocking and required supports for your Scope of Work. In-wall blocking and plywood backing that are specifically indicated on the architectural drawings are by others.
13. Provide conduit and final connections for Owner furnished equipment if indicated in contract documents (specifically including equipment or vendor drawings)

14. Out-of-sequence work if required by the Construction Manager to permit the coordination of work of other contractors. This specifically includes, but is not limited to, the phased, partial installation of duct and pipe to allow studs and drywall Work to be place in areas of congestion.
15. Provide all touch-up painting of this Work as required for the proper completion and final acceptance of the Work.
16. Install flashing, counter-flashing, and/or sealant at all penetrations of Electrical System components through the exterior wall system and/or waterproofed areas unless same is specifically shown to be provided by another contractor. All roof penetrations shall be sealed by the Roofing Contractor during the initial roofing installation. Coordinate these installations accordingly.
17. All miscellaneous supports for piping and equipment, risers, etc. required for the proper completion of the Electrical Scope of Work. Structural framework and supports provided by others is limited to that specifically shown and indicated on the Structural Drawings.
18. All light fixtures shown and as coordinated between the architectural and electrical drawings, and the ceiling subcontractor's adjoining work, including related accessories per plans and specifications. This Work includes all necessary miscellaneous supports, cables and proper ceiling interconnections for the support and systems interface with the work specifically shown to be provided by others. No additional costs shall be incurred by the Project as a result of coordination of light fixtures between the Architectural and Electrical Drawings.
19. Provide power to a junction box for all electric door hardware and operators required by the plans/specs, i.e. the Door Schedule, whether or not same is depicted by the Electrical Drawings. The connection to the door hardware, provided by others, will be by the Electrical Subcontractor. Remote mounting and conduit and wire for remote controls are also by Electrical contractor. Include transformers as required. – Refer to spec section 01 73 30 - **Addendum 3**
20. Installation of push pads for door operators where shown, furnished by others BP-06 – General Trades- **Addendum 3**.
21. Powering and connection of door operators.
22. Testing required for this scope.
23. Installation of all OFCI and food service equipment that is hardwired as outlined or implied on the documents.
24. Unistrut and other supports required by this Subcontract.
25. All electrical equipment pads and any required grouting of equipment bases, with the exception of the relocated transformer pad, which will be supplied by others BP-02 – Site Concrete. - **Addendum 3**
26. Any sawcutting and reparations required to install any under slab systems.
27. Installation of any hardwired HVAC equipment (loose VFDs, etc.). Provided by others BP12 – Plumbing and HVAC. - **Addendum 3**
28. Line voltage Electrical required for the fire protection systems.
29. OSHA minimum lighting during construction. [Reference 01 50 00 for requirements.](#)
 - i. ~~Provide, install, and maintain UL-Listed, NEC-compliant, and OSHA-compliant temporary lighting for 5 footcandle illumination during construction activities.~~
30. Power distribution throughout the building for use by other trades. ~~Turtle layout and placement shall be coordinated with Site Superintendent prior to executing this work.~~ - **Addendum 3**
31. Power for Construction Manager's trailer, including any applicable equipment, for the duration of the project. A minimum 200A service shall be provided.
32. Temporary power for the construction site, including any applicable equipment. Adequate service size shall be provided to power temporary lighting, construction equipment (no permanent hoist or tower crane will be utilized) and temporary distribution for use by all trades.
33. Removal of all temporary electric items shall be coordinated with the Site Superintendent.
34. Conduit and equipment labeling as defined in the specifications.
35. All special systems as outlined in the specs. Coordinate this work with applicable trades and stakeholders.
36. Phasing of scope of work and any necessary as required by the customer and Construction Manager.

37. A complete submittal / sample for all systems requiring labeling (both numbers and / or text) shall be submitted, reviewed, and accepted by the owner prior to final label application. This includes valve tags, receptacle circuit labels, panel labeling, and any system using room numbers.
38. Lock-out / tag-out safety precautions must be followed on all new panelboard work. During shutdowns lock-out / tag-out is required.
39. All casework mounted lighting, outlets, etc. and any other lighting/devices mounted to architectural items. All raceways, poke-thrus, whips, etc. are included.
40. Include any architectural trim associated with light fixtures, specifically at coves.
41. Include marking tape above all utilities as specified.
42. **Provide BIM modeling.** Incorporate overhead ceiling coordination drawings that identify routing for Fire Suppression, Plumbing, Electrical and HVAC. Routing of individual systems shall be provided per the approved coordination drawings and any variances that arise the subcontractor that has deviated from the approved coordination drawings will be responsible for any costs associated.
43. Contractor shall coordinate with Plumbing and HVAC contractors for electrical connections and infrastructure required within Specification Divisions 21, 22, and 23.
44. All concrete housekeeping pads required for this Scope of Work to be provided by this Bid Package.
45. Provide all access panels for all scope items as required. Access panels will be installed in drywall and CMU partitions by others.
46. A working fire alarm system must always remain operational in occupied areas of the building and/or as directed by the Construction Manager.
47. Provide power and connections to all equipment / furnishings indicated, including plumbing, mechanical and architectural contract documents.
48. Coordinate fire alarm panel labeling with Construction Manager as well as local Fire Department.
49. This contractor shall coordinate with the Owner and the local utility for all electrical and fiber optic tie-ins. Fiber optic service into the building is by others.
50. Refer to and include all General Notes as listed on the Electrical, Telecommunications and Fire Alarm Drawing.
51. Provide (PA) public address scope, complete. Coordinate with existing infrastructure and manufacturer and vendor requirements.
52. Provide all J-Hooks and pathways for all Special Systems and Low Voltage infrastructure.
53. This Bid Package shall be responsible for ensuring that the Fire Alarm and PA System are always actively tied in for occupied spaces. This Bid Package shall also be responsible for ensuring and testing this function prior to handover of each unique phase of the project, prior to hand over. By the time the project is done, the Fire Alarm and PA System shall be in working condition throughout the school in unison. Coordinate with Meyer Najem and the Owner on this sequencing.
54. Include cutting and patching of slabs, walls and ceilings as required for installation of scope as indicated on the contract documents.
55. Provide and install all required grounding for systems. Details can be found on E401. – Addendum 8
56. Seal all interior/exterior ceiling and wall penetrations.
57. Provide sleeves for all piping and conduit penetrations thru partitions and/or full height walls, foundations, floor, and roof, whether shown or not. Holes or access through previously constructed foundations, walls, floor, or roof to be core drilled, drilled with a hole saw or cut and patched by this contractor. Maintain indicated fire rating of substrate at pipe penetrations. Provide sleeves and conduit(s) stubs outside of building foundations as required for incoming secondary power, ~~generator power~~, fire alarm PIV, grounding loop wire, telecommunication incoming lines, telephone / fiber optics and site lighting/power. Coordinate sleeves install with the Building Concrete Contractor no less than 72 hours prior to concrete being placed. - **Addendum 3**
58. Where conduits pass below concrete or asphalt roads, parking lots, or drives this contractor shall furnish and install sleeves as necessary to allow for installation and removal.

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59. Provide and set all sleeves with water seals required for penetrations through concrete foundations. Coordinate with Building Concrete Contractor no less than 72 hours prior to concrete being placed.
60. PVC Conduit shall be bent using a hot box. Using open-flame methods to heat and then bend conduits are not acceptable.
61. Provide / cut holes in roof sheathing for materials passing through roof and make ready for roof insulation, prior to roofing being installed. This contractor shall be responsible for coordination with the roofing contractor to ensure a watertight system.
62. Provide all excavation and backfill with approved and specified granular materials, both for exterior and interior of building, for own work (power, lighting, data, and systems conduits). All **excess spoils to be hauled off-site** by this scope.
63. Provide site dewatering for work within this bid package as to not delay the construction schedule. Refer to Geotechnical Report for water table elevations. Include well points as required to complete your scope of work.
64. Provide all concrete housekeeping/~~transformer pads~~ and concrete pole bases for Electrical scope of work, as outlined in this Bid Package, as shown and or required for a complete system. - **Addendum 3**
65. Provide and install hangers and supports per the documents as required and per code for this Electrical scope of work, including Unistrut for all equipment requiring supports for a complete installation.
66. If this contractor requires structural member for support of conduit / pipe hangers, etc. and cannot hit nearby joists or beams, it shall be this contractor's responsibility to provide and install secondary supports/ bridging, as approved by the project structural engineer and per the material data requirements for a complete and secure installation.
67. Coordinate with BP05 – Structural Steel for angle iron frames where required for wall, floor, and roof openings.
68. Provide putty pads where required by code, in rated assemblies or as required for sound/acoustics.
69. Contractor shall reference and include directions and instructions as outlined in specification section 01 50 00 – Temporary Facilities for temporary power and temporary lighting requirements during construction.
70. This Bid Package shall expedite the submittals, procurement, installation and start-up of the main electrical gear, main electrical service, ~~generators, and transfer switches~~ to allow for mechanical equipment start-up. This includes all housekeeping pads, underground raceways, above ground raceways, conductors, specified in project documents, inclusive of all excavation/trenching, conduit wiring and reinforced concrete pole bases. - **Addendum 3**
71. Coordinate lighting layout terminations, and testing. This shall not relieve this contractor from furnishing temporary facilities in accordance with 01 50 00 – Temporary Facilities Matrix. Coordinate underground conduit elevations with Bid Package ~~07 01~~ – Sitework. Conduit is expected to be located out of the way of underground utility piping and accessories. - **Addendum 3**
72. Provide and install a complete power system including all devices, mechanical rough-ins, panels, switchgear, distribution, disconnects, etc. per drawings, specifications and requirements.
73. All conduits (interior and exterior) shall be installed with pull strings and located with dimensions off physical landmarks that will be visible once all work is complete. Note dimensions on as-built documents.
74. Shut down requests are to be submitted and coordinated with the owner as well as Meyer Najem 48 hours prior to the shutdown beginning. In the event the shutdown is not approved, the scheduled work must take place afterhours or on a weekend. Overtime for this work shall be included in this bid package. Shutdowns that will impact other trades shall be coordinated no less than two (2) weeks in advance with the Construction Manager and the Owner.
75. Panel schedules shall be installed in panels prior to punch. Existing panels that have circuits added, removed, or changed in anyway will require an updated panel schedule to be installed.

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76. Contractor is responsible for creating a layout drawing with dimensions off structural grid lines locating roof openings. The roofing contractor will sign off on the location to confirm no items interfere with the taper system. Steel contractor to install all framing per mechanical contractor's layout drawings.
77. No layout markings are permitted in areas with an exposed concrete slab as the final finish. Reference finish drawings for location of finished concrete floors.
78. Refer to sections 11 23 00 and 11 31 00, review equipment schedules and include electrical requirements listed for equipment items. This contractor shall cross-reference construction documents between the food service and Electrical drawings prior to proceeding with work. If there are inconsistencies, this contractor shall submit an RFI to the Construction Manager for clarification. If this contractor fails to do this, no additional monies will be paid to the Contractor for re-work.
79. This bid package shall install, wire, and test all flows, tampers, etc. provided by other bid packages (specifically fire protection)
80. This bid package shall include floor protection at locations where using equipment which could leak fluids and stain floor below. If staining occurs, electrical contractor to take all steps necessary to remove stain at no cost to owner.
81. This bid package is to verify power requirements of equipment prior to beginning the work.
82. Provide installation, complete, for all external VFDs. [VFD's provided by others. - Addendum 3](#)
83. This bid package shall furnish and install any disconnects required for a code-compliant installation of all equipment. This bid package shall cross reference the Contract Documents and submittals for equipment furnished by other contractors to determine the extents where disconnects may not be depicted but required for a complete installation.
84. This bid package shall request all submittals from the Construction Manager that affect their scope of work to cross reference power requirements versus what is shown on the Contract Documents.
85. Provide electrical/system hook-ups for fire/smoke rated dampers in rated partitions as required. Refer to mechanical and life safety drawings for location of dampers and rated walls for coordination, respectively.
86. All patch cords and cabling to be provided and/or installed per the specifications.
87. Provide all fire treated wood wall sheathing required as back-up boards, including but not limited to electrical panels, switchgear, phone, and data boards, etc. at locations indicated on the drawings and/or required by code or standard electrical means and methods and specification section 06 16 00.
88. Contractor to be responsible for coordination and integration of all systems, equipment, lighting, etc. that becomes part of the Building Management System.
89. Sitework has included ~~lime~~ [cement](#) stabilization of the site, per the engineer's recommendation. This contractor shall include costs associated with the means and methods required for excavation and/or trenching and backfill of the lime stabilized soils to install footings, conduits, piping, etc. NO additional monies will be provided for failure to do so. - [Addendum 3](#)
90. Note: all underground work requiring saw cutting shall include layout, sawcut, remove, perform work, and pour back to an agreed upon elevation as coordinated with the finished flooring material.
91. Contractor must be present on site for all instances of rough in within masonry walls, including six (6) Day Work Weeks as required. [Refer to 00 89 13 – Milestone Schedule - Addendum 3](#)
92. This bid package shall include mounting hardware and supports for all mounted projectors.
93. Where electrical items are to be installed above decorative/open ceiling systems and are exposed to view, all materials are to be installed in a finished manner to accept paint. All cabling installed above these ceilings must be installed in conduit.
94. Cut holes/openings in acoustic ceiling tiles and install for own work. Ceiling tiles to be provided by others
 - i. This Bid Package will be responsible for any damaged ceiling tile after the above ceiling inspection and after ceiling tiles have been dropped.
95. Fixture lamps that are dimmed or failed shall be replaced at substantial completion.

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96. Fixtures and equipment shall be final cleaned, touched up and adjusted prior to substantial completion and just prior to punch list as coordinated with the Construction Manager.
97. This Bid Package shall make available their designated field representative during any inspections by the Authority Having Jurisdiction as deemed necessary by the Construction Manager.
98. This Bid Package and applicable subcontractors shall participate in occupancy testing as deemed required by the construction manager, including comprehensive pre-testing of all systems and electrical components. Additional time for multiple visits must be included to validate all special systems to the satisfaction of the Construction Manager including electrical distribution testing and validation of the ~~generator sets and paralleling gear and/or transfer switches as required.~~ - **Addendum 3**
99. This Bid Package shall include the cost for off-hours work for shutdowns, tie-ins, or any other work that could interfere with the work of other Prime Contractors or the Owner's Operations.
100. This Bid Package shall furnish and install the rough-ins indicated for temperature controls. This Bid Package shall provide 120V power to all temperature control panels, 120V temperature control devices, and temperature control transformers. Reference also M-series drawings for locations. If no location is shown, subcontractor to coordinate with the HVAC contractor for location.
101. All devices shall have circuitry clearly identified per the Contract Documents. This includes panels, disconnects, wiring devices, etc. All electrical distribution equipment shall be tagged with phenolic resin tags.
102. All permanent panel schedules shall be installed by the time of Final Inspection.
103. By submitting a bid, this contractor acknowledges that they will participate in the below punch list procedure:
- i. Approximately four weeks from substantial completion the Construction Manager will perform a punch list walkthrough. These items are meant to minimize the number of items that may or may not be found on the final punch list walkthrough. All items identified in the Construction Manager walkthrough must be corrected no more than two (2) weeks following the issuance of the punch list.
 - ii. As scheduled, a final punch list walkthrough will be scheduled with the Owner and Architect. All items identified in the final punch list walkthrough must be corrected no more than two (2) weeks following the issuance of the punch list.
 - iii. Each Contractor's Field Representative must certify, in writing, to the Construction Manager when items are corrected. Failure to do so may result in delayed payment.
- ~~104. Provide generator pad/foundations. - Addendum 3~~
- ~~105. This contractor shall be responsible for the fuel required to test and demonstrate the provided generator both for the Owner and as required for the local inspections. After the testing is complete the contractor shall provide the initial complete FILL of the fuel tank, prior to turning over to the Owner. - Addendum 3~~
106. Contractor to coordinate with utility company and MNC schedule for the relocation of utility transformer (~~note 13~~ **note 5 on sheet E100**). It is the responsibility of this bid package to provide conduit and a pad as indicated for the new transformer. - **Addendum 3**

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- ~~107. Contractor to provide and install all power, data, and signage for monument sign as shown on 12/A350OB. – Addendum 7~~

Addendum 3 – 03/05/2024

108. Include line voltage and connections for BP11 – Fire Protection at all pressure and flow sensors.
109. Include fiber optic service line into building with all necessary connections. Ref notes 4,5,6,7,10,11,12 on T404 and all site details shown on T404.
110. Include visitor station relocation noted on 2/ T201 as a part of Alternate 1.
111. Include all general notes on T001

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- 112. All work shown on TD100, TD201, and TD202
- 113. Include stadium speakers per T403
- 114. Include intercom system per 27 51 23
- 115. Include all AV fixtures as they are shown on T201, T202, and T203

Addendum 7 – 03/22/2024

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- 116. All Exterior Signage shown on Sheet Sheets A350OB and A370OB will not be a part of this Bid Package and will be Bid at a later date. However, all electrical rough-ins, conductors and connections shown in the contract documents shall remain and be included in Bid Package #13 – **Addendum 7**

Addendum 8 – 03/25/2024

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- 117. This contractor is to supply and install the heat trace shown on P204, called out by note 3.
 - 118. This bid package is to include notes 2-10, and 12-23 on sheet E100.
 - 119. Provide and install all lighting fixtures as they are detailed on sheet E601.
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Work Excluded:

- 1. Wood blocking and plywood that is specifically shown on the architectural drawings. Any means and methods, items, or supports/blocking/backing that is not shown on the bid documents shall be provided by this Subcontractor if required.
- 2. Utility fees and consumption.
- 3. ~~The following items shall be provided by the Owner: - Addendum 3~~
- 4. ~~Televisions / Monitors (provide rough in per E5xx series drawings)~~
 - i. ~~Projectors (provide rough in per E5xx series drawings)~~
 - ii. ~~Classroom AV equipment and HDMI cabling (provide rough in per E5xx series drawings)~~**- Addendum 3**
- 5. Work by the Owners vendors as defined in the specifications.
- 6. Interconnection low-voltage wiring of door hardware.
- 7. Firestopping – Addendum 8

END OF BID PACKAGE #13 – ELECTRICAL / TECHNOLOGY