

**SECTION 00 90 01
BIDDING AND CONTRACT REQUIREMENTS
ADDENDUM NUMBER 1**

**Demonica Kemper Architects
125 N. Halsted Street, Suite 301
Chicago, IL 60661
312.496.0000**

To: Prospective Bidders

Issued: October 30, 2024

Re: ADDENDUM NUMBER (1) TO THE BIDDING DOCUMENTS FOR

**McHenry County College
2024 Renovations – Bid Package 2**
Architect's Project Number: 24-013

This addendum forms a part of the bidding and contract documents and modifies the original bidding documents dated October 17, 2024. Acknowledge receipt of this addendum in the space provided on Bid Form. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

ADDENDA TO THE PROJECT MANUAL

1. 00 43 39 – MCC BEP UTILIZATION PLAN
 - A. **REVISE** aspirational goal to 30% as noted in the pre-bid meeting.
 - B. The specification section has been re-issued in its entirety for clarify in the final bid submittal. See attached for revised section.

ADDENDA TO THE DRAWINGS

1. ED1.20
 - A. **REVISE** demolition tag for exit sign at (2) locations.
2. E1.20
 - A. **DELETE** electric door strike at glass door to Tutoring A212K.
 - B. **ADD** magnetic lock and associated drawing note at glass door to Tutoring A212K.
 - C. **ADD** fire door and associated note in Library Stacks A212.5.
3. E2.11
 - A. **REVISE** luminaire type in Office D166A, Office D166B, Storage D151A.
 - B. **REVISE** drawing note #1 in Office D166A, Office D166B, Mock Apartment Bedroom D167B.1, Mock Apartment Bathroom D167B.2.
4. E2.20
 - A. **ADD** circuiting to luminaire type "F11" in Tutoring A212K.
 - B. **REVISE** luminaire type in Library A212 and IT Help Desk A212.2.
 - C. **REVISE** circuiting to luminaire type "F11" in Circulation A212.1.
 - D. **REVISE** exit signs in Library A212.
 - E. **ADD** panel tag in Storage A212B.
5. E4.00
 - A. **REVISE** 'LUMINAIRE SCHEDULE' as indicated.
 - B. **DELETE** luminaire type "F1C", "F3", "F4A-12", "F5A" from 'LUMINAIRE SCHEDULE'.

6. E4.20
 - A. **ADD** circuit in schedule for panel "I/R".

CLARIFICATIONS

1. Refer to attached for Pre-Bid Meeting Minutes and contractor sign-in sheet.
2. Refer to attached pre-bid RFI submitted and the responses provided. Any pre-bid RFI not listed in this addendum will be included with responses in a subsequent addenda.

This addendum consists of 2 pages, excluding attachments.

END 00 90 01.

Attachments:

1. 2024.10.29 – MCC 2024 Reno BP2 – Pre-bid Meeting Minutes
2. 2024.10.30 – MCC 2024 Reno BP2 – Pre-bid RFI_ADDENDUM #1
3. 00 43 39 – MCC BEP UTILIZATION PLAN
4. ED1.20, E1.20, E2.11, E2.20, E4.00, E4.20



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McHenry County College
2024 Renovations – Bid Package 2
DKA Project Number: 24-013

Pre-Bid Meeting Minutes

Board Room A217, 8900 US Highway 14, Crystal Lake, IL 60012 - 10:00am, October 29, 2024

1. This Pre-Bid Meeting is **mandatory**. Refer to Addendum No. 1 for the meeting minutes and a list of GC's who will be able to submit bids for the project.
2. Bids Due
 - a. **Date/Time: Tuesday, November 12, 2024 @ 9:30am**
 - b. **Location: Ms. Maricella Garza, Coordinator of Purchasing, Building A, Room A246, 8900 US Highway 14, Crystal Lake, IL 60012.**
 - c. Any bids received by after this time will be returned to the bidder unopened.
 - d. Bids will be opened publicly in the Board Room (A217) following the bid due date at 10:00am.
 - e. **Bids will be required to be held for 90 days after the due date.**
3. Bid Submittal
 - a. Submit in an **opaque, sealed envelope**. On the envelope, include the following:
 - i. Contractor Name and Address
 - ii. Bid Title
 - iii. Bid Opening Date and Time
 - b. Submittal shall include the following:
 - i. Document 00 41 13 – Bid Form
 - ii. Document 00 43 13 – Bid Bond
 - iii. Document 00 43 15 – Contractor Certification
 - iv. Document 00 43 25 – Substitution Sheet
 - v. Document 00 43 29 – W9
 - vi. Document 00 43 39 – MCC BEP Plan
 - I. The document reflects the college's aspirational goal of 30% of MBE / WBE / DBE inclusion. This form should be completed noting the included contractors or the attempts made to meet this goal.
 - vii. Document 00 43 43 – Certificate of Compliance with Illinois Prevailing Wage Law
4. Bonds
 - a. Bid Deposit:
 - i. Not less than ten percent (10%) of the bid amount.
 - ii. Make payable to the Board of Trustees, McHenry County College.
 - iii. Held for 45 days or award of contract, whichever comes first.
 - iv. The bid deposit will be forfeited by the successful bidder in the event of the bidders failure to enter into a contract.
 - b. Performance bond and Labor & Material payment bond:
 - i. Required at 100% of the bid amount within 10 days of award of contract.
 - ii. Make payable to the Board of Trustees, McHenry County College.
5. AIA Document 201 – General Conditions of the Contract for Construction is included in the project manual.



6. The apparent low bidder will be asked to produce a copy of **AIA Document A305 – Contractor’s Qualification Statement Form**, including references, immediately after the bid opening in order to make a recommendation to the Board of Trustees.
7. The General Contractor will be required to **identify its sub-contractors prior to award of the contract**.
8. All Contractors and Sub-Contractors are required to **pay prevailing wages** in accordance with the specifications and the Illinois Department of Labor.
9. GC shall employ **a full-time superintendent** to manage the day-to-day operations.
10. The college is tax exempt.
11. A project website is required as noted in specification section 01 31 00. Acceptable vendors are:
 - a. Procore
 - b. Submittal Exchange
 - c. Autodesk Planroom
12. Allowances:
 - a. Unforeseen Condition Allowance: \$25,000
 - b. Fire Wall Allowance: \$25,000
13. Alternate Bids:
 - a. Alternate No. 1 – Deduct to eliminate liquidated damages.
 - b. Alternate No. 2 – Deduct to eliminate the scope of work related to the Toilet Room Renovation in first floor of Building D.
 - c. Alternate No. 3 – Deduct to eliminate the scope of work related to the server room cooling system replacement in the first floor of Building A.
 - d. Alternate No. 4 – Deduct to leave the raised floor areas as existing to remain instead of lifting the server systems and replacing with new tiles. Alternate 4 will not apply if alternate 3 is selected.
 - e. Alternate No. 5 – Add to raise a section of HWR/HRS piping in the Library Renovation in the second floor of Building A.
14. Bidding Schedule:

| | |
|---------------------------|-----------------------------------------------|
| a. Last RFIs Due: | Wednesday, November 6, 2024 at 5:00 pm |
| b. Final Addendum: | Thursday, November 7, 2024 |
| c. Bids Due: | Tuesday, November 12, 2024 at 9:30 am |
| d. Bid Opening: | Tuesday, November 12, 2024 at 10:00 am |
| e. Board Meeting: | Thursday, November 21, 2024 |
15. Construction Schedule:
 - a. **Commencement:**
 - i. **(All Spaces Except Library) On or after Monday, December 16, 2024 at 7:00am**
 - ii. **(Library) On or after Monday, January 6, 2025 at 7:00am**
 - b. Intermediate Deadlines:
 - i. (IT Server Room) The contractor shall provide a full construction sequencing plan, detailing the start, duration, and completion of the work, to the Owner / Architect for review and



approval prior to commencing any on-site work. The contractor shall structure the sequencing plan to minimize downtime and disruption of the existing HVAC system in the IT server room or the continued operation of the IT server systems. Refer to Article 1.6-H for additional information.

- ii. (Building C&D Corridors) Building C Corridors / Building D Corridors: Contractor will complete all work during breaks (as noted below) or in a phased sequence during low-occupancy time periods as coordinated with the owner.
 - 1. Winter Break (December 16, 2024 to January 17, 2025): Complete removal of all flooring and wall base as indicated on the demo drawings and clean / prep the slab for new work.
 - 2. Spring Break (March 22, 2025 to March 30, 2025): Complete installation of new flooring and wall base as indicated on the finish drawings.
 - 3. Summer Break (May 19, 2025 to Substantial Completion): Complete installation of the new ceilings, including all devices, lighting, sprinklers, diffusers, and grilles as noted on the drawings. Complete all wall painting indicated for Building D.

c. Substantial Completion: On or before Friday, July 11, 2025, 11:59pm

16. Liquidated Damages:

- a. \$1,000.00 per calendar day starting Monday, July 14, 2025.

17. There will be no bid extensions.

18. Normal work hours shall be 7:00 am to 10:00 pm Monday thru Friday. Any work outside of those normal work hours needs to be coordinated with the owner prior to commencement and check-in with the McHenry County College Police Department.

19. Review general scope of the project.

- a. This project consists of (5) interior renovation scope areas within Main Campus for McHenry County College (26,150 SF Total).
- b. The Library Renovation (18,250 SF) will consist of the complete demolition of most of the existing library (including all mechanical and electrical), the partial demolition and modification of the existing fire protection and plumbing systems, and the new installation of drywall partitions, doors and hardware, glazing systems, flooring, painting, wall finishes, various ceiling systems, lighting and power systems, and mechanical systems.
- c. The Server Room Renovation (600 SF) scope includes ...
 - i. Removing and replacing the existing HVAC systems in the IT Server Room, including the removal of all existing piping, the installation of all new piping, the removal of all existing rooftop equipment and associated utilities / piping, and the installation of new rooftop equipment including all piping, utilities, roof curbs, and associated roof tie-ins.
 - ii. Installation of new hot air return duct above ceiling to HVAC units.
 - iii. Maintaining the existing IT server systems (equipment, racks, and all associated cabling and utilities) and keeping them fully operational throughout the construction process. Owner will provide temporary cooling as required. Contractor will be responsible for protecting the existing IT systems throughout the construction process.
 - iv. Removing and replacing the older sections of existing raised flooring. New flooring will tie into the existing to remain flooring sections.
 - v. Installation of new ceilings and lighting.
 - vi. Contractor will be responsible for raising the IT equipment / server racks as required to remove the existing raised flooring system and install a new raised floor system. Estimated weights of all racks are provided in the documents.
 - vii. Maintaining the existing FM200 system and tying it into new ceiling finishes. System piping will be revised as needed for new duct routing.
- d. The EMS Lab and Offices Renovation consists of the partial demolition of (1,550 SF) existing rooms and their associated lighting, the partial demolition and limited modification of the existing



plumbing, fire protection, and mechanical systems, and the new installation of drywall partitions, doors and hardware, flooring, painting, wall finishes, ceiling systems, and lighting and power systems.

- e. The Building D Toilet Room Renovation (200 SF) consists of the demolition of an existing office space for a new toilet room and storage room with all associated plumbing, lighting, power, flooring finishes, wall finishes, and ceiling systems.
- f. The Building C and D Corridor Renovations (5,550 SF) consist of the complete demolition and replacement of all flooring and base, partial wall painting, partial ceiling removal and replacement, partial lighting replacement, and minor modifications to the existing fire protection system.

20. Estimated Project Cost: \$5,500,000.00

21. Site Logistics:

- a. The Contractor is responsible for sealing each construction area throughout the construction process and providing any dust containment needed to prevent disruption of the occupied adjacent spaces.
- b. The Contractor is responsible for all clean-up of dust, materials, and debris outside of the construction areas that are directly related to the projects required construction activities.
- c. Parking lots adjacent to each project area will be available for the contractors use for lay-out space and deliveries, a dumpster, and contractor parking. Final locations will be coordinated with the Awarded General Contractor during the pre-construction meeting.
- d. The College is a non-smoking campus.
- e. Any utility shutdowns required must be coordinated with and approved by the owner prior to commencement. Do not interrupt any utilities serving facilities occupied by Owner or others unless permitted by the owner.
- f. Contractor shall be responsible for the protection of existing conditions, utilities, and other existing elements to remain from damage due to construction activities.
- g. Contractor shall photograph existing conditions prior to beginning work.

22. Bidders may access the project site after this meeting by contacting...

Mr. Dave Dammon, Assistant Vice President of Facilities – ddammon@mchenry.edu – (815) 455-8564

23. Questions regarding the bidding documents or bidding procedures shall be direction to...

David Sikorski – dsikorski@dka-design.com

24. Pre-Bid Meeting and Site-Walkthrough Q&A

- a. No permits are required for this project as the renovation will be completed on campus.
- b. The existing BAS system manufacturer is Trane.
- c. The preferred Fire Alarm Vendor for the college is Fox Valley.
- d. There are no hazardous substances noted in the renovation areas. There are encapsulated and existing to remain ACM panels in building A that will not be disturbed as part of the renovation areas. Additional visual of the panel locations will be provided prior to the start of on-site construction.
- e. Door access control systems will be rough-in only. The contractor will be responsible for providing all required door hardware and coordinating final rough-in requirements with the Owner's vendor prior to installation.
- f. The Owner will provide small areas for on-site storage of materials outside of the renovation areas. The locations and amount of materials stored will be coordinated with the Owner after the award of the project.
- g. Roof access can be coordinated with Dave Dammon after the pre-bid meeting.
- h. Refer to forthcoming Addenda for clarification on work required for new electrical runs.
- i. Refer to forthcoming Addenda for clarification on deck heights in each renovation area.
- j. Refer to forthcoming Addenda for clarification on CMU removal scope for toilet room.



McHenry County College
2024 Renovations – Bid Package 2
DKA Project Number: 24-013

Pre-Bid Meeting Attendee List

Board Room A217, 8900 US Highway 14, Crystal Lake, IL 60012 - 10:00am, October 29, 2024

1. David Sikorski, DKA
2. Bob Tenuta, MCC
3. Dave Dammon, MCC
4. Patrick Sullivan, MCC
5. Rob Rasmussen, MCC
6. Maricella Garza, MCC
7. Heidi Schaaf, MCC
8. Todd King, Doherty Construction
9. Brian Andrews, Stuckey Construction
10. Matt Muir, F.H. Paschen
11. Brian Hatlen, Troop Contracting
12. Chad Sibigtroth, Pacific Construction Services
13. Tyler Brown, Carmichael Construction
14. Dave Stamos, WM Tonyan & Sons
15. Chuck Tonyan, WM Tonyan & Sons
16. Trent Wilfinger, Paul Borg Construction
17. Justin Knapik, Lo Destro Construction
18. David Busse, Associated Electric
19. Andrew Carey, Ridgeview Electric
20. Seth Montgomery, Integrated Demolition
21. Steve Muncila, Safe Environmental
22. Shane Seuschek, Staalsen Concrete

**See attached for original sign-in sheet.*



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Sign-In Sheet

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|-----------------|------------------------|-------------------|-------------------------------|
| Meeting: | <u>Pre-Bid Meeting</u> | Project: | <u>2024 Renovations - BP2</u> |
| | <u>10:00 AM, A217</u> | | <u>McHenry County College</u> |
| Date: | <u>10/29/2024</u> | Proj. No.: | <u>24-013</u> |

| Name | Company | Contact (tel or e-mail) |
|-------------------------------|----------------------------|---------------------------------|
| ¹ David Sikorski | Demonica Kemper Architects | dsikorski@dka-design.com |
| ² Bob Tenuta | McHenry County College | btenuta@mchenry.edu |
| ³ Dave Dammon | McHenry County College | ddammon@mchenry.edu |
| ⁴ Patrick Sullivan | McHenry County College | psullivan@mchenry.edu |
| ⁵ Maricella Garza | McHenry County College | mgarza@mchenry.edu |
| ⁶ Heidi Schaaf | McHenry County College | hschaaf@mchenry.edu |
| ⁷ TODD KINLY | DOHERTY Const | TODD@DOHERTYGC.COM |
| ⁸ Brian Andrews | Stuckey Construction | brian@stuckeyconstruction.com |
| ⁹ Matt Muir | F.H. Paschen | mmuir@fhpaschen.com |
| ¹⁰ BRIAN HATLEN | TROOP CONTRACTING | estimating@troopcontracting.com |
| ¹¹ CHAD SIBIGRATH | PACIFIC CONSTRUCTION | chad@pacificconstruction.com |
| ¹² DAVID BUSSE | Associated Electric | dbusse@Associated-Electric.com |
| ¹³ Rob Rasmussen | McHenry County College | rrasmussen@mchenry.edu |
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Sign-In Sheet

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|-----------------|-----------------|-------------------|------------------------|
| Meeting: | Pre-Bid Meeting | Project: | 2024 Renovations - BP2 |
| | 10:00 AM, A217 | | McHenry County College |
| Date: | 10/29/2024 | Proj. No.: | 24-013 |

| Name | Company | Contact (tel or e-mail) |
|----------------|-------------------------|----------------------------------|
| 1 Tyler Brown | Carmichael Construction | Tyler@CarmichaelConstruction.com |
| 2 Andrew Carey | Ridgeview Electric | acarey@ridgeviewelectric.com |
| 3 DAVE STAMOS | Wm Tonyan & Sons | dstamos@WmTonyan.com |
| 4 Chuck Tonyan | Wm Tonyan & Sons | chuck@wmtonyan.com |
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Sign-In Sheet

| | | | |
|-----------------|-----------------|-------------------|------------------------|
| Meeting: | Pre-Bid Meeting | Project: | 2024 Renovations - BP2 |
| | 10:00 AM, A217 | | McHenry County College |
| Date: | 10/29/2024 | Proj. No.: | 24-013 |

| Name | Company | Contact (tel or e-mail) |
|--------------------|-------------------------|----------------------------------|
| 1 Seth Montgomery | IDS Integrated Demo | seth@integrateddemolition.com |
| 2 STEVE MUNCILA | SAFE ENV. CORP | SMUNCILA@SAFE-ENV.COM |
| 3 Trent Wilfinger | Paul Borg Const | TDW@paulborgconstruction.com |
| 4 Justin Knapik | Lo Destro Const. | JKnapik@Lodestroconstruction.com |
| 5 Jeremiah Presley | Bee Liner Lean Services | jeremiah@bee-lean-services.com |
| 6 Shane Seuschels | Staalsen Conc | shane@Staalsen.com |
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DEMONICA KEMPER ARCHITECTS

McHenry County College
2024 Renovations - Bid Package 2
DKA Project No.: 24-013

Pre-Bid RFI - Addendum 1
10/30/2024

| RFI # | Question | Answer |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 001 | What are the deck heights in each renovation area? | The deck heights in each renovation area are... - Building A, 2nd Floor = +/- 13'-0" AFF. The deck above is structurally sloped so it varies throughout the renovation area. - Building A, 1st Floor = +/- 13'-0" AFF - Building C = +/- 13'-4" AFF - Building D = +/- 19'-4" AFF. The deck above is structurally sloped so it varies throughout the renovation areas. |
| 002 | As shown in drawings, . There are a number of card readers shown on the floor plan E1.20. In the Spec it says "credential reader by division 28" however there isn't a division 28 in the spec book. Please clarify. | Door Access Control systems will be conduit rough-in only. Final installation of card readers, notification to exit devices, and associated wiring will be provided by Owner's Vendor. Disregard reference notes to DIV 28 in door hardware specification. |
| 003 | Sheet E501 is missing from the set of drawing and is listed on the title page. | There is no sheet E501. This sheet was included in the sheet index in error and can be disregarded. The sheet index will be updated in the Issued for Construction Drawings after the award of the contract. |
| 004 | Door Schedule Sheet A10.00 show the use of glass type GL-03 yet the specification section do not list exactly what GL-03 is.... Need to know what this item is? | GL-03 is the same as GL-02 but at a 3/8" (10mm) thickness. |

SECTION 00 43 39 – MCC BUSINESS ENTERPRISE PROGRAM - MINORITIES, FEMALES, AND PERSONS WITH DISABILITY PARTICIPATION AND UTILIZATION PLAN

The Business Enterprise Program for Minorities, Females, and Persons with Disabilities Act (BEP) establishes certain goals for community colleges contracting with businesses that are owned and controlled by persons who are minorities (MBE), women (WBE), or persons with disabilities (DBE) (collectively, BEP certified vendor(s)).

Contract Goal to be Achieved by Vendor: This solicitation includes a specific BEP participation goal of 30% of the total dollar amount of the contract.

The BEP participation goal is applicable to all bids or offers. McHenry County College (College) will award this contract to a Vendor that meets the goal or makes good faith efforts to meet the goal. This goal is also applicable to change orders and allowances within the scope of work provided by the BEP certified vendor. If Vendor is a BEP certified vendor, the entire goal is met and no subcontracting with a BEP certified vendor is required; however, Vendor must submit a Utilization Plan indicating that the goal will be met by self-performance. Failure to complete a Utilization Plan or provide good faith effort documentation shall render the bid or offer non-responsive or not responsible and subject to rejection and/or disqualification in the College's sole discretion.

The following are guidelines for Vendor's completion of the Utilization Plan. **Please read the guidelines carefully.** A format for the Utilization Plan is included in this section. Vendor should include any additional information that will add clarity to Vendor's proposed utilization of certified BEP vendors to meet the targeted goal. The Utilization Plan must demonstrate that Vendor has either: (1) met the entire contract goal or (2) made good faith efforts towards meeting the goal. Any submission of good faith efforts by Vendor shall be considered as a request for a full or partial waiver.

To meet the College's BEP participation goals, Vendor, or Vendor's proposed Subcontractor(s), must be certified with the Business Enterprise Council as a BEP certified vendor. If Vendor or Vendor's proposed Subcontractor(s) are not BEP certified vendors but do meet the definition of MBE, WBE, or DBE companies as set forth in 30 ILCS 575/2, Vendor shall have the burden of submitting sufficient evidence of the company's ownership. The College shall have the sole discretion of whether to accept non-BEP certified vendors and applying said contracts towards its BEP participation goals.

1. If applicable where there is more than one prime vendor, the Utilization Plan should include an executed Joint Venture Agreement specifying the terms and conditions of the relationship between the parties and their relationship and responsibilities to the contract. The Joint Venture Agreement must clearly evidence that the BEP certified vendor will be responsible for a clearly defined portion of the work and that its responsibilities, risks, profits and contributions of capital, and personnel are proportionate to its ownership percentage. It must include specific details related to the parties' contributions of capital, personnel, and equipment and share of the costs of insurance and other items; the scopes to be performed by the BEP certified vendor under its supervision; and the commitment of management, supervisory personnel, and operative personnel employed by the BEP certified vendor to be dedicated to the performance of the contract. Established Joint Venture Agreements will only be credited toward BEP goal achievements for specific work performed by the BEP certified vendor. **Each party to the Joint Venture Agreement must execute the bid or offer prior to submission of the bid or offer to the College.** The contract will not be awarded to Vendor unless the College approves the Vendor's Utilization Plan and Joint Venture Agreement, if applicable.
2. **Calculating BEP Certified Vendor Participation:** The Utilization Plan documents work anticipated to be performed, or goods/equipment provided, by all BEP certified vendors and paid for upon satisfactory completion/delivery. Only the value of payments made for the work actually performed by

BEP certified vendors is counted toward the contract goal. Applicable guidelines for counting payments attributable to contract goals are summarized below:

- 2.1. The value of the work actually performed or goods/equipment provided by the BEP certified vendor shall be counted towards the goal. The entire amount of that portion of the contract that is performed by the BEP certified vendor, including supplies purchased or equipment leased by the BEP certified vendor shall be counted, except supplies purchased and equipment rented from the Prime Vendor submitting this bid or offer.
- 2.2. A vendor shall count the portion of the total dollar value of the BEP contract equal to the distinct, clearly defined portion of the work of the contract that the BEP certified vendor performs toward the goal. A vendor shall also count the dollar value of work subcontracted to other BEP certified vendors. Work performed by the non-BEP certified party shall not be counted toward the goal. **Work that a BEP certified vendor subcontracts to a non-BEP certified vendor will not count towards the goal.**
- 2.3. A Vendor shall count toward the goal 100% of its expenditures for materials and supplies required under the contract and obtained from BEP certified vendor manufacturers, regular dealers, or suppliers. A Vendor shall count toward the goal the following expenditures to BEP certified vendors that are not manufacturers, regular dealers, or suppliers:
 - 2.3.1. The fees or commissions charged for providing a bona fide service, such as professional, technical, consultant or managerial services and assistance in the procurement of essential personnel, facilities, equipment, materials or supplies required for performance of the contract, provided that the fee or commission is determined by the College to be reasonable and not excessive as compared with fees customarily allowed for similar services.
 - 2.3.2. The fees charged for delivery of materials and supplies required by the contract (but not the cost of the materials and supplies themselves) when the hauler, trucker, or delivery service is not also the manufacturer or a supplier of the materials and supplies being procured, provided that the fee is determined by the College to be reasonable and not excessive as compared with fees customarily allowed for similar services. The BEP certified vendor's trucking firm must be responsible for the management and supervision of the entire trucking operation for which it is responsible on the contract, and must itself own and operate at least one fully licensed, insured and operational truck used on the contract.
 - 2.3.3. The fees or commissions charged for providing any bonds or insurance specifically required for the performance of the contract, provided that the fee or commission is determined by the College to be reasonable and not excessive as compared with fees customarily allowed for similar services.
- 2.4. BEP certified vendors who are performing the contract as second tier subcontractors may be counted in meeting the established BEP goal for this contract as long as the Prime Vendor can provide documentation indicating the utilization of these vendors.
- 2.5. A Vendor shall count towards the goal only expenditures to firms that perform a commercially useful function in the work of the contract. A Vendor shall not count towards the goal expenditures that are not direct, necessary and related to the work of the contract. Only the amount of services or goods that are directly attributable to the performance of the contract shall be counted. Ineligible expenditures include general office overhead or other Vendor support activities.

3. **Good Faith Effort Procedures:** Enclosed and sealed with the Vendor's bid documents, the Vendor must submit a: (1) Utilization Plan and (2) either Letters of Intent or subcontract documents that meet or exceed the published goal. If Vendor cannot meet the stated goal, Vendor must submit documents to support the good faith efforts it undertook to meet the goal. The College has the right to reject Vendor's bid as not-responsible and/or not responsive if the College or the Business Enterprise Council determine, in either of their sole discretion, that Vendor failed to make a good faith effort to meet the MBE goals. The College may also accept and enter into a contract with a Vendor that can provide sufficient evidence of MBE, WBE or DBE status of Vendor or its proposed subcontractors and/or sub-vendors in compliance with the Illinois Business Enterprise for Minorities, Females, and Persons with Disabilities Act. If the College or the Council determine that Vendor has made good faith efforts to meet the goal, the College may award the contract provided that Vendor is otherwise eligible for award.
4. **Contract Compliance:** Compliance with this section is an essential part of the contract. The following administrative procedures and remedies govern Vendor's compliance with the contractual obligations established by the Utilization Plan. **After approval of the Utilization Plan and award of the contract, the Utilization Plan becomes part of the contract.**
- 4.1. The Utilization Plan may not be amended after contract execution without the College's prior written approval. Vendor may not make changes to its contractual BEP certified vendor commitments or substitute BEP certified vendors without the College's prior written approval. The Vendor's request to substitute BEP certified vendors must state the specific reasons for the change or substitutions. Unauthorized changes or substitutions, including performing the work designated for a BEP certified vendor with Vendor's own forces, shall be a violation of the Utilization Plan and a breach of the contract, and shall be cause to terminate the contract, and/or seek other contract remedies or sanctions.
- 4.2. Vendor shall maintain a record of all relevant data with respect to the utilization of BEP certified vendors, including but without limitation, payroll records, invoices, canceled checks and books of account for a period of at least three years after the completion of the contract. The College shall have the right to access to these records upon 48 hours written demand. The College shall have the right to obtain from Vendor any additional data reasonably related or necessary to verify any representations by Vendor.
- 4.3. The College reserves the right to withhold payment to Vendor to enforce these provisions and Vendor's contractual commitments. Final payment shall not be made pursuant to the contract until Vendor submits sufficient documentation demonstrating compliance with its Utilization Plan.

UTILIZATION PLAN

The Utilization Plan and Letter of Intent must be sealed and submitted with Vendor's Bid Documents.

(Vendor) submits the following Utilization Plan as part of our bid or offer in accordance with the requirements of the BEP Program Status and Participation section of the solicitation for McHenry County College's Greenhouse Project.

Vendor submits the following statement:

- ☐ Vendor is a BEP certified firm and plans to fully meet the goal through self-performance.
- ☐ Vendor has identified BEP certified subcontractor(s) to fully meet the established goal and submits the attached executed Letter(s) of Intent; or
- ☐ Vendor has made good faith efforts towards meeting the entire goal, or a portion of the goal, and hereby requests a waiver (complete checklist below).

Vendor's designee responsible for compliance with this BEP goal:

Name:

Title:

Telephone:

Email:

BEP Utilization Plan

The following firms will be utilized to meet the goals of the BEP Program:

| Name of Firm | Contract Value | Description of Work | % of Goal |
|--------------|----------------|---------------------|-----------|
| | | | |
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| Total | | | |

DEMONSTRATION OF GOOD FAITH EFFORTS TO ACHIEVE GOAL AND REQUEST FOR WAIVER

If the BEP participation goal was not achieved, Vendors must provide documented evidence of good faith efforts to achieve the goal.

Below is a checklist of actions that will be used to evaluate a Vendor's Demonstration of Good Faith Efforts and Request for Waiver. **Please check the actions which you completed.** If any of the following actions are not completed, please attach a detailed written explanation indicating why such action was not completed. If any other efforts were made to obtain BEP participation in addition to the items listed below, attach a detailed description of such efforts. The College reserves the right to review and audit the results of the Vendor's good faith efforts.

- ☐ Utilize the Sell2Illinois website: www2.illinois.gov/cms/business to identify BEP certified vendors within the respective commodity/service codes denoted above and at a minimum email all listed vendors and solicit quotes from all vendors who express an interest via follow-up emails or telephone calls.
- ☐ Solicit through all reasonable and available means (e.g., attendance at a vendor conference, advertising and/or written notices) the interest of BEP certified vendors that have the capability to perform the work of the contract. Vendor must solicit this interest within sufficient time to allow the BEP certified vendors to respond to the solicitation. Vendor must determine with certainty if the BEP certified vendors are interested by taking appropriate steps to follow up initial solicitations and encourage them to submit a bid or proposal. Vendor must provide interested BEP certified vendors with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding promptly to the solicitation.
- ☐ Select portions of the work to be performed by BEP certified vendors in order to increase the likelihood that the goal will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate BEP certified vendor participation, even when Vendor might otherwise prefer to perform these work items with its own forces.
- ☐ Make a portion of the work available to BEP certified vendors and selecting those portions of the work or material needs consistent with their availability, so as to facilitate BEP certified vendor participation.
- ☐ Negotiate in good faith with interested BEP certified vendors. Evidence of such negotiation must include the names, addresses, email addresses, and telephone numbers of BEP certified vendors that were considered and an explanation as to why an agreement could not be reached.
- ☐ Thoroughly investigate the capabilities of BEP certified vendors and not reject them as unqualified without documented reasons.
- ☐ Make efforts to assist interested BEP certified vendors in obtaining lines of credit or insurance as required by the College.
- ☐ Make efforts to assist interested BEP certified vendors in obtaining necessary equipment, supplies, materials, or related assistance or services.

GOOD FAITH EFFORTS CONTACT LOG

Use this Log to document **all** contacts and responses (telephone, e-mail, fax, etc.) regarding the solicitation of BEP certified vendors within the specific scope of work selected. It is not necessary to show contacts with BEP certified vendors who are identified on the Letter(s) of Intent. Keep and submit copies of all emails sent and received from prospective BEP vendors. Include a copy of the commodity list or scope of work you solicited prospective BEP vendors to perform. Duplicate this log as necessary; do not limit your contacts to the number of spaces shown.

| Name of Certified BEP Vendor | Date | Method of Contact | Scope of Work Solicited | Reason Agreement Was Not Reached |
|---------------------------------|------|----------------------|-------------------------|-------------------------------------|
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END SECTION 00 43 39

GENERAL DEMOLITION NOTE:

CAREFULLY DISCONNECT, REMOVE AND TURN OVER REMOVED LOW VOLTAGE DEVICE/EQUIPMENT INCLUDING, BUT NOT LIMITED TO, WIRELESS ACCESS POINTS, SECURITY CAMERAS, SPECIALTY LIGHTING, AUDIO/VIDEO EQUIPMENT, AUDIO/VIDEO RACK, CARD READERS, ETC. TO OWNER'S REPRESENTATIVE.

DRAWING NOTES

- DISCONNECT AND REMOVE EXISTING FLOOR BOX DEVICES, FLANGES, COVER, ASSOCIATED CONDUCTORS/CABLES AND CONDUITS BACK TO SOURCE. FLOOR BOX SHALL BE ABANDONED IN SLAB WITH BLANK COVER PLATE IN PREPARATION FOR NEW FLOOR FINISH. FIELD VERIFY EXACT REQUIREMENTS.



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P: 312.496.0000

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2010 ENGINEERING GROUP, LLC
1216 TOWER ROAD
SCHAUMBURG, IL 60173
P: 847.882.2010 F: 847.882.2201

**McHenry County College
2024 RENOVATIONS - BID PACKAGE 2**

8900 NORTHWEST HWY #14
CRYSTAL LAKE, IL 60012
DKA PROJECT NO: 24-031

KEY PLAN:

SHEET STATUS: 10/17/2024

**ISSUED FOR BID - NOT
FOR CONSTRUCTION**

| NO. | DESCRIPTION: | DATE: |
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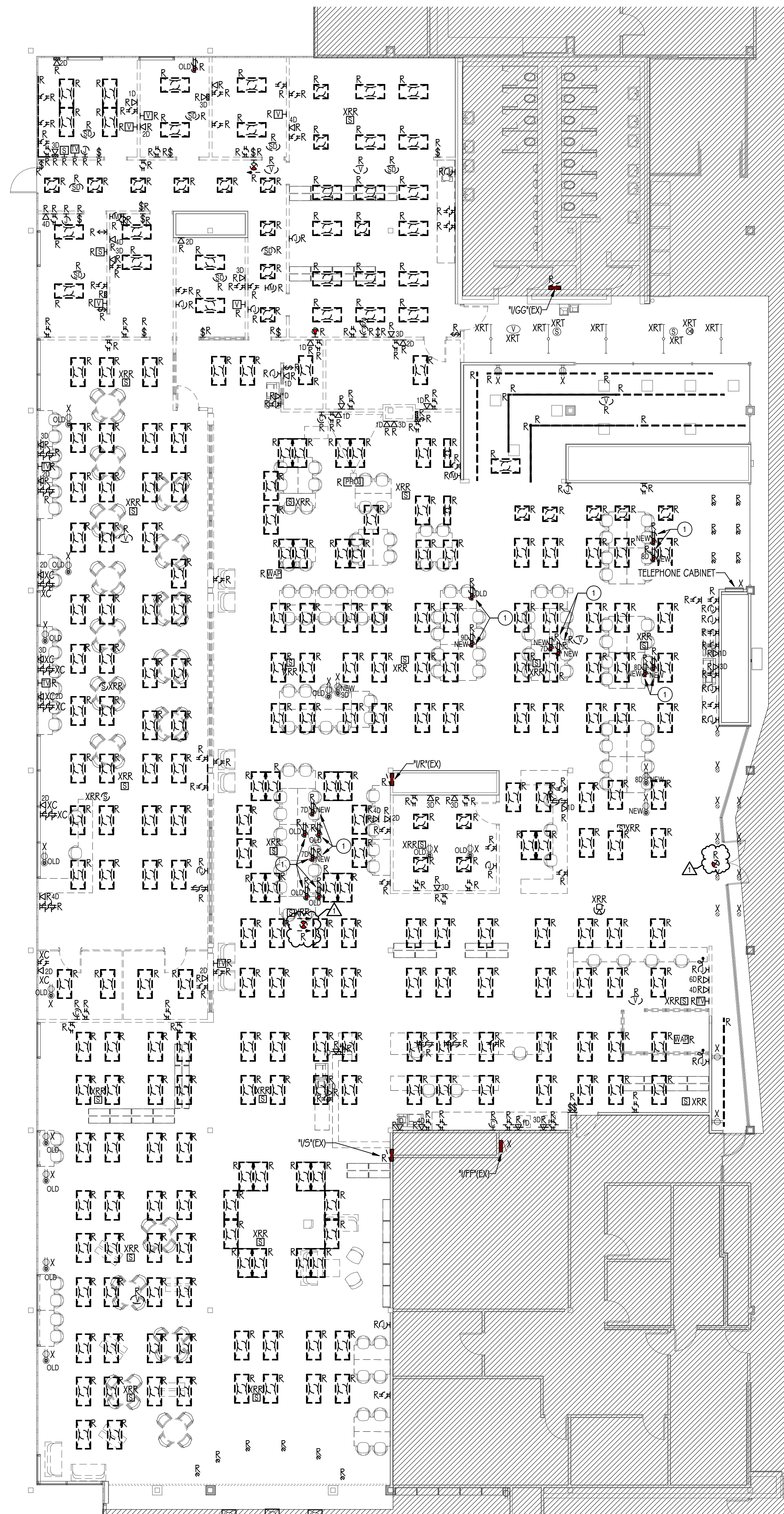
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**ELECTRICAL
DEMOLITION PLANS**

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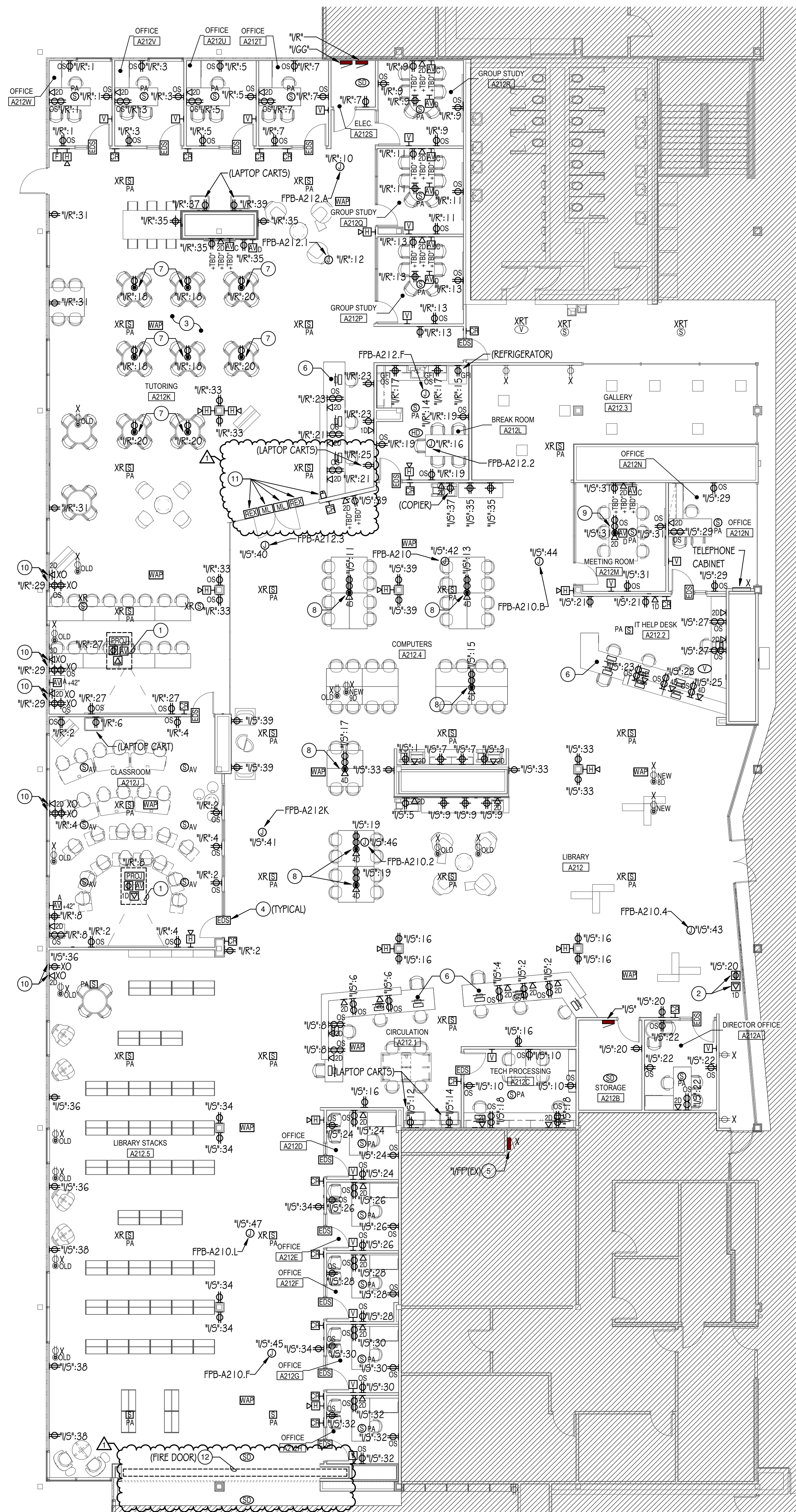


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DRAWING NOTES

1. DEVICES SHALL BE LOCATED INSIDE CEILING MOUNTED ENCLOSURE / PROJECTOR MOUNT. REFER TO ELECTRICAL DETAILS SHEET FOR ADDITIONAL INFORMATION.
2. RECEPTACLE AND DATA OUTLET MOUNTED ON CEILING FOR DISPLAY MONITOR. FINAL LOCATION TO BE COORDINATED WITH OWNER PRIOR TO INSTALL.
3. CONFIRM FINAL LAYOUT OF POKE-THROUGH FLOOR BOXES WITH OWNER PRIOR TO INSTALLATION.
4. PROVIDE 120VAC CONNECTION TO LOW VOLTAGE TRANSFORMER FOR ELECTRIC STRIKE TO NEAREST RECEPTACLE BRANCH CIRCUIT. INSTALL AND WIRE PER DOOR MANUFACTURER'S INSTRUCTIONS FOR A COMPLETE AND OPERABLE SYSTEM.
5. CONTRACTOR SHALL VERIFY THAT NO BRANCH CIRCUITS IN EXISTING PANEL "1/R" IS SERVING THE LIBRARY AT THE END OF THE PROJECT. ANY EXISTING BRANCH CIRCUITS SERVING LIBRARY THAT IS SCHEDULED TO REMAIN SHALL BE EXTENDED TO NEW PANEL "1/S". FIELD VERIFY EXACT REQUIREMENTS.
6. DEVICES SHOWN SHALL BE RECESSED IN MILLWORK KNEEWALL. PROVIDE MINIMUM 3/4" CONDUITS FOR POWER, MINIMUM 1 1/4" CONDUITS FOR LOW VOLTAGE. CONDUITS SHALL BE ROUTED INSIDE UTILITY CHASE. REFER TO ARCHITECTURAL SHEETS FOR ADDITIONAL INFORMATION. COORDINATE INSTALLATION WITH MILLWORK CONTRACTOR AND FIELD VERIFY FINAL DEVICE LOCATION PRIOR TO ROUGH-IN.
7. PROVIDE 4" ROUND RECESSED POKE-THRU DEVICE AS MANUFACTURED BY LEGRAND WIREMOLD EVOLUTION SERIES #4ATC00X. INCLUDE SURFACE STYLE COVER #4CTC00X, AND RECEPTACLE DEVICE PLATE #4REC. COVER FINISH COLOR TO BE SELECTED BY THE ARCHITECT. COORDINATE WITH FLOOR CONTRACTOR SUCH THAT COVER IS FLUSH WITH THE FLOOR FINISH MATERIAL.
8. PROVIDE 6" ROUND RECESSED POKE-THRU DEVICE AS MANUFACTURED BY LEGRAND WIREMOLD EVOLUTION SERIES #6ATC200X. INCLUDE SURFACE STYLE COVER #6CTC200X, RECEPTACLE DEVICE PLATE #68REC, AND COMMUNICATION DEVICE PLATE #6ACTC8A. COVER FINISH COLOR TO BE SELECTED BY THE ARCHITECT. COORDINATE WITH FLOOR CONTRACTOR SUCH THAT COVER IS FLUSH WITH THE FLOOR FINISH MATERIAL. VERIFY FINAL LOCATION PRIOR TO INSTALLATION.
9. PROVIDE 8" ROUND RECESSED POKE-THRU DEVICE AS MANUFACTURED BY LEGRAND WIREMOLD EVOLUTION SERIES #8ATC2(FINISH). INCLUDE SURFACE STYLE COVER #8CTC2(FINISH), RECEPTACLE DEVICE PLATE #68REC, COMMUNICATION DEVICE PLATE #8ACTC6A, AND DECORA STYLE DEVICE PLATES #8DEC. COVER FINISH COLOR TO BE SELECTED BY THE ARCHITECT. COORDINATE WITH FLOOR CONTRACTOR SUCH THAT COVER IS FLUSH WITH THE FLOOR FINISH MATERIAL.
10. INSTALL NEW EXTENSION RING OVER EXISTING RECESSED JUNCTION BOX TO ACCOMMODATE NEW WALL FURRING. PROVIDE NEW WALLPLATES AND EXTEND CONDUITS/CABLES AS REQUIRED TO MAINTAIN DEVICE OPERATION. FIELD VERIFY EXACT REQUIREMENTS.
11. PROVIDE ELECTRICAL CONNECTION AND JUNCTION BOXES FOR MAGNETIC LOCK, EMERGENCY RELEASE BUTTON, REQUEST-TO-EXIT DEVICE AND ASSOCIATED WIRING PER MANUFACTURER'S INSTRUCTIONS FOR A COMPLETE AND OPERABLE SYSTEM. INCLUDE INTERCONNECTION TO FIRE ALARM SYSTEM AS REQUIRED SUCH THAT MAGNETIC LOCK IS DEACTIVATED UPON ACTIVATION OF THE FIRE ALARM SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OTHER TRADES.
12. PROVIDE FIRE ALARM CONTROL MODULES AS REQUIRED TO COMMUNICATE WITH FIRE DOOR SUCH THAT DOOR CLOSURES UPON ACTIVATION OF ASSOCIATED SMOKE DETECTORS LOCATED ON EITHER SIDE OF OPENING. FIELD VERIFY EXACT REQUIREMENTS.





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DRAWING NOTES

- 1 NEW LUMINAIRES SHALL RECONNECT TO EXISTING LIGHTING BRANCH CIRCUIT SERVING AREA. PROVIDE NEW SWITCHING SCHEME WHERE INDICATED, OTHERWISE, EXISTING SWITCHING SCHEME SHALL BE MAINTAINED. FIELD VERIFY EXACT REQUIREMENTS.
- 2 PROVIDE TWO-PIECE, METALLIC, SINGLE CHANNEL SURFACE RACEWAY AS MANUFACTURED BY WIREMOLD 700 SERIES COMPLETE WITH FITTINGS, ELBOWS, DIVIDERS, COVERS, ETC., FOR A COMPLETE RACEWAY SYSTEM. AT CONTRACTOR'S OPTION, EXISTING RECESSED SWITCH BOX MAY BE USED IN LIEU OF SURFACE RACEWAY FOR INSTALLATION OF NEW LOW VOLTAGE SWITCH IF IT IS DETERMINED THE BOX AND THE ASSOCIATED CONDUIT IS FREE OF ANY LINE VOLTAGE CONDUCTORS. CONTRACTOR TO INSTALL NEW SWITCHES AT ADA COMPLIANT HEIGHT.



2 LIGHTING PLAN - GENDER NEUTRAL TOILET
(ALTERNATE #2)
1/4" = 1'-0"



1 LIGHTING PLAN - EMS
1/4" = 1'-0"



McHenry County College
2024 RENOVATIONS - BID PACKAGE 2
8900 NORTHWEST HWY #14
CRYSTAL LAKE, IL 60012
DKA PROJECT NO: 24-031

KEY PLAN:

SHEET STATUS: 10/17/2024
ISSUED FOR BID - NOT FOR CONSTRUCTION

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LIGHTING PLANS

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ARCHITECT OF RECORD
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McHenry County College
2024 RENOVATIONS - BID PACKAGE 2
8900 NORTHWEST HWY #14
CRYSTAL LAKE, IL 60012
DKA PROJECT NO: 24-031

KEY PLAN:

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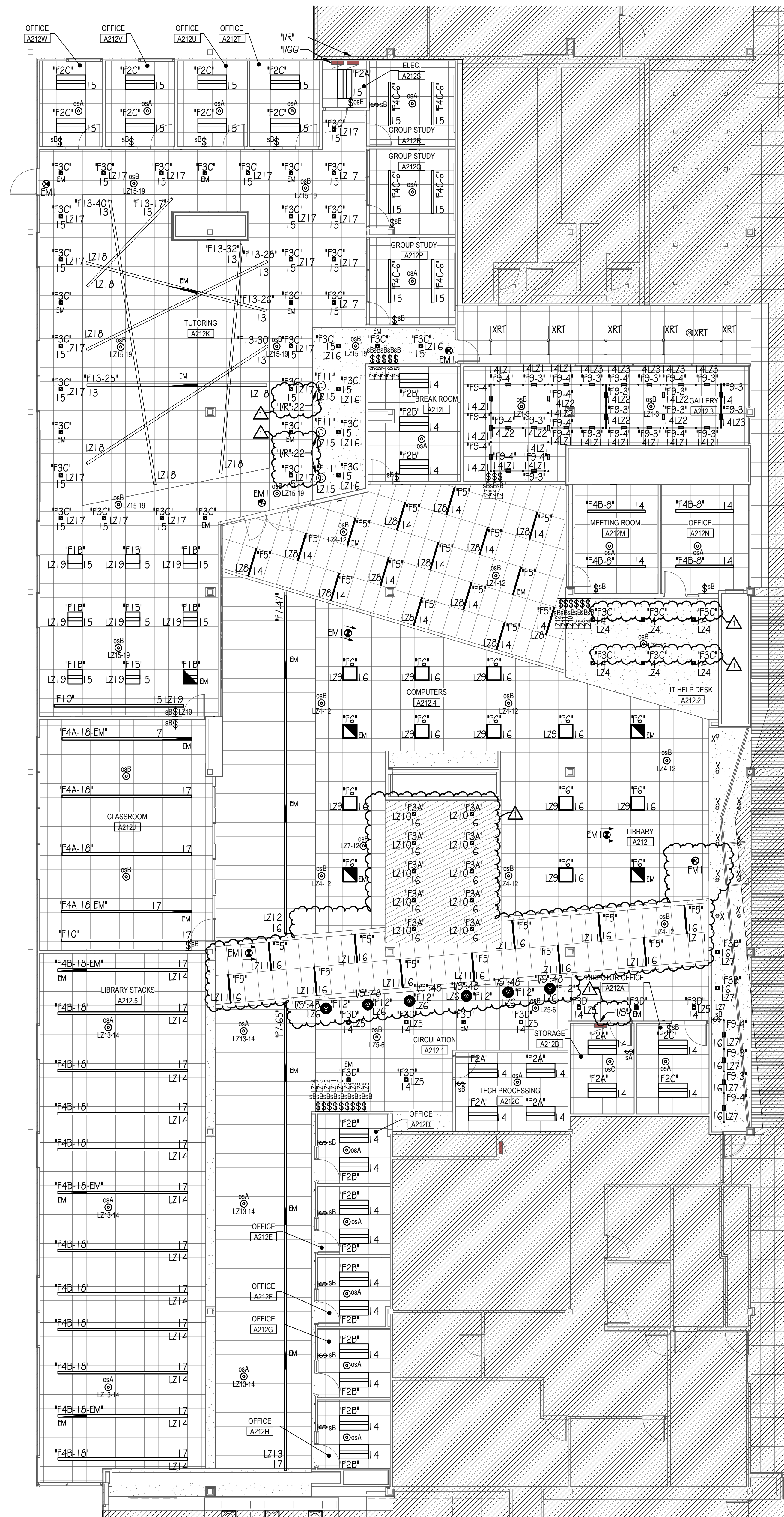
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


1 LIGHTING PLAN - LIBRARY
1/8" = 1'-0"



EXIT SIGN AND EMERGENCY LIGHTING NOTE:
EXIT SIGNS AND LUMINAIRES DESIGNATED AS "EM" SHALL BE WIRED TO EXISTING EMERGENCY LIGHTING BRANCH CIRCUIT CURRENTLY SERVING AREA. "EM" LUMINAIRES SHALL OPERATE AT ALL TIMES AND SHALL NOT BE CONNECTED TO ANY LIGHTING CONTROL SYSTEM UNLESS INDICATED OTHERWISE. FIELD VERIFY EXACT CIRCUIT NUMBERS AND REQUIREMENTS.

CIRCUITING NOTE:
ALL BRANCH CIRCUITS SHOWN SHALL BE WIRED TO EXISTING PANEL "1/GG" UNLESS NOTED OTHERWISE. CIRCUIT NUMBERS ARE TO INDICATE QUANTITY OF CIRCUITS REQUIRED. VERIFY EXACT CIRCUIT NUMBER TO BE UTILIZED IN FIELD.

| EXIT SIGN & EMERGENCY LIGHTING SCHEDULE | | | | | | | | |
|-------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------|---------|--------------------------------------------|-----------------------------------|-------|
| SYMBOL | TAG | DESCRIPTION | MOUNTING | LAMPS | VOLTAGE | MANUFACTURER & CATALOG NUMBER | ALTERNATIVE MANUFACTURER | NOTES |
|  | EM1 | SELF POWERED EMERGENCY EXIT SIGN, SINGLE FACE, DIE CAST ALUMINUM HOUSING WITH WHITE FINISH AND RED LETTERS, FIELD KNOCKOUT ARROWS AS REQUIRED | TOP OR END MOUNT | LED | UNV | LITHONIA LIGHTING #LQC-W-1-R-ELN | HU DUAL-LITE, SIGNIFY CHLORIDE | 1 |
|  | EM2 | SELF POWERED EMERGENCY EXIT SIGN, SINGLE FACE, DIE CAST ALUMINUM HOUSING WITH WHITE FINISH AND RED LETTERS, FIELD KNOCKOUT ARROWS AS REQUIRED | WALL | LED | UNV | LITHONIA LIGHTING #LQC-W-1-R-ELN | HU DUAL-LITE, SIGNIFY CHLORIDE | 1 |
|  | EM3 | DUAL HEAD EMERGENCY LIGHTING UNIT WITH WHITE CONTEMPORARY THERMOPLASTIC ENCLOSURE | SURFACE/ WALL | LED | UNV | LITHONIA LIGHTING #ELMAL-UVOLT-LTP-SORT | HU DUAL-LITE, SIGNIFY CHLORIDE | 1 |

NOTES:

- CONNECT ALL BATTERY LIGHT FIXTURES TO LOCAL UNSWITCHED NORMAL LIGHTING CIRCUIT.

GENERAL NOTES:

- CONTRACTOR TO PROVIDE ALL NECESSARY MOUNTING HARDWARE AND LABOR FOR ALL DEVICES.
- BATTERIES SHALL BE CAPABLE OF PROVIDING ILLUMINATION FOR A MINIMUM OF 90 MINUTES.
- NOT ALL SYMBOLS WILL BE ACCOMPANIED BY TAGS ON THE FLOOR PLANS FOR CLARITY PURPOSES.

GENERAL NOTES:

- a. ALL SENSOR LOCATIONS ARE APPROXIMATE, REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.
- b. ULTRASONIC CEILING MOUNT SENSORS SHOULD BE LOCATED A MINIMUM OF SIX FEET FROM HVAC SUPPLY/RETURN VENTS.
- c. CONTRACTOR IS RESPONSIBLE FOR: PROPER SENSITIVITY & TIME DELAY SETTINGS (FOR NON-ADAPTIVE PRODUCTS) RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH IN RESPECT TO POWER PLACEMENT.
- d. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF REQUIRED NUMBER OF POWER PACKS:
 - * ONE POWER PACK IS REQUIRED FOR EACH CIRCUIT TO BE CONTROLLED.
 - * ONE POWER PACK IS REQUIRED FOR EACH ZONE.
 - * IF MULTIPLE CIRCUITS ARE TO BE CONTROLLED BY A SENSOR, AN AUXILIARY RELAY CAN BE USED IN CONJUNCTION WITH THE POWER PACK.
 - * THE MAXIMUM NUMBER OF SENSORS THAT CAN BE PUT ON A POWER PACK IS TO BE REDUCED BY ONE FOR EACH SLAVE PACK USED.
- e. MOUNT CONTROL UNITS WITHIN JUNCTION BOXES INSTALLED PER ALL CODE REQUIREMENTS.
- f. CONTROL WIRING BETWEEN SENSORS AND CONTROLS UNITS SHALL BE CLASS II, 18-24 AWG, STRANDED UL CLASSIFIED. ALL CONTROL WIRING/CABLING SHALL BE PLENUM-RATED.
- g. SENSORS MOUNTED OVER THE DOOR MUST BE PLACED ONE FOOT INSIDE THE THRESHOLD.
- h. SENSOR PLACEMENT ON PLANS IS APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR ENGAGING A MANUFACTURER TO PRODUCE A MOTION SENSOR LAYOUT THAT IS COMPLIANT WITH THE GOVERNING ENERGY CODE.
- i. CONTRACTOR IS RESPONSIBLE FOR ENSURING MOTION SENSOR CONTROL OF ALL LOCATIONS SHOWN ON PLAN.
- j. CONTRACTOR IS RESPONSIBLE FOR INSTALLING EQUIPMENT IN COMPLIANCE WITH LOCAL CODE.
- k. PRODUCTS FROM SPECIFIED AND ACCEPTABLE MANUFACTURERS SHALL PROVIDE SAME LEVEL OF CONTROL.

| LIGHTING CONTROL DEVICE SCHEDULE | | | | | |
|----------------------------------|------|-----------------------------------------------------|----------|-----------------------------------|----------------------------------------|
| SYMBOL | TYPE | DESCRIPTION | MOUNTING | MANUFACTURER & CATALOG NUMBER | ACCEPTABLE MANUFACTURERS |
| | osA | STANDARD RANGE 360°, LOW VOLTAGE, DUAL TECHNOLOGY | CEILING | ACUITY nLIGHT #nCMT-PDT-9-RJB | HUBBELL LIGHTING CONTROLS, WATTSTOPPER |
| | osB | EXTENDED RANGE 360°, LOW VOLTAGE, DUAL TECHNOLOGY | CEILING | ACUITY nLIGHT #nCMT-PDT-10-RJB | HUBBELL LIGHTING CONTROLS, WATTSTOPPER |
| | osC | STANDARD RANGE 360°, LOW VOLTAGE, PASSIVE INFRARED | CEILING | ACUITY nLIGHT #nCMT-9-RJB | HUBBELL LIGHTING CONTROLS, WATTSTOPPER |
| | osD | EXTENDED RANGE 360°, LOW VOLTAGE, PASSIVE INFRARED | CEILING | ACUITY nLIGHT #nCMT-10-RJB | HUBBELL LIGHTING CONTROLS, WATTSTOPPER |
| | osE | WALL SWITCH SENSOR, LOW VOLTAGE, PASSIVE INFRARED | WALL | ACUITY nLIGHT #nWSXA-LV | HUBBELL LIGHTING CONTROLS, WATTSTOPPER |
| | osF | WALL SWITCH SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY | WALL | ACUITY nLIGHT #nWSXA-PDT-LV | HUBBELL LIGHTING CONTROLS, WATTSTOPPER |
| | sA | ON/OFF SINGLE ZONE PUSH-BUTTON CONTROL STATION | WALL | ACUITY nLIGHT #nPDDMA | HUBBELL LIGHTING CONTROLS, WATTSTOPPER |
| | sB | ON/OFF/DIM, SINGLE ZONE PUSH-BUTTON CONTROL STATION | WALL | ACUITY nLIGHT #nPDDMA-DX | HUBBELL LIGHTING CONTROLS, WATTSTOPPER |
| | sC | ON/OFF/DIM KEY SWITCH CONTROL STATION | WALL | ACUITY nLIGHT #nPDDA-KEY | HUBBELL LIGHTING CONTROLS, WATTSTOPPER |

| LUMINAIRE SCHEDULE | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------|-------|---------|-------------|------------------------------------------------------------------------------------|------------------------------------------|---------|--|
| TYPE | DESCRIPTION | MOUNTING | LAMPS | VOLTAGE | INPUT WATTS | MANUFACTURER & CATALOG NUMBER | ALTERNATE MANUFACTURER | NOTES | |
| "F1A" | 2X2' LED RECESSED VOLUMETRIC TROFFER, CURVED LINEAR PRISMS DIFFUSER, 3300 NOMINAL LUMENS | RECESSED | LED | 277 V | 26.5 | LITHONIA LIGHTING #2BLT2-33L-ADP-GZ10-LP840 | HLI COLUMBIA LIGHTING, SIGNIFY DAY-BRITE | 1 | |
| "F1B" | 2X2' LED RECESSED VOLUMETRIC TROFFER, CURVED LINEAR PRISMS DIFFUSER, 4000 NOMINAL LUMENS | RECESSED | LED | 277 V | 31 | LITHONIA LIGHTING #2BLT2-40L-ADP-GZ10-LP840 | HLI COLUMBIA LIGHTING, SIGNIFY DAY-BRITE | 1 | |
| "F2A" | 2X4' LED RECESSED VOLUMETRIC TROFFER, CURVED LINEAR PRISMS DIFFUSER, 4,000 NOMINAL LUMENS | RECESSED | LED | 277 V | 30.5 | LITHONIA LIGHTING #2BLT4-40L-ADP-GZ10-LP840 | HLI COLUMBIA LIGHTING, SIGNIFY DAY-BRITE | 1 | |
| "F2B" | 2X4' LED RECESSED VOLUMETRIC TROFFER, CURVED LINEAR PRISMS DIFFUSER, 4,800 NOMINAL LUMENS | RECESSED | LED | 277 V | 39.3 | LITHONIA LIGHTING #2BLT4-48L-ADP-GZ10-LP840 | HLI COLUMBIA LIGHTING, SIGNIFY DAY-BRITE | 1 | |
| "F2C" | 2X4' LED RECESSED VOLUMETRIC TROFFER, CURVED LINEAR PRISMS DIFFUSER, 6,000 NOMINAL LUMENS | RECESSED | LED | 277 V | 46.6 | LITHONIA LIGHTING #2BLT4-60L-ADP-GZ10-LP840 | HLI COLUMBIA LIGHTING, SIGNIFY DAY-BRITE | 1 | |
| "F3A" | 4" SQUARE LED DOWNLIGHT 1000 NOMINAL LUMENS | RECESSED | LED | 277 V | 9.8 | GOTHAM LIGHTING #IC04SQ-40Y10-WR-60D-277-GZ10 | HLI PRESCOLITE, SIGNIFY LIGHTOUTLER | 1 | |
| "F3B" | 4" SQUARE LED DOWNLIGHT 1000 NOMINAL LUMENS | RECESSED | LED | 277 V | 10.6 | LITHONIA LIGHTING #LDN4SQ-35Y10-L54-AR-LD-TRW-MVOLT-GZ10 | HLI PRESCOLITE, SIGNIFY LIGHTOUTLER | 1 | |
| "F3C" | 4" SQUARE LED DOWNLIGHT 2500 NOMINAL LUMENS | RECESSED | LED | 277 V | 26.5 | GOTHAM LIGHTING #IC04SQ-40Y25-WR-60D-277-GZ10 | HLI PRESCOLITE, SIGNIFY LIGHTOUTLER | 1 | |
| "F3D" | 4" SQUARE LED DOWNLIGHT 3000 NOMINAL LUMENS | RECESSED | LED | 277 V | 34.1 | GOTHAM LIGHTING #IC04SQ-40Y30-WR-60D-277-GZ10 | HLI PRESCOLITE, SIGNIFY LIGHTOUTLER | 1 | |
| "F4A-18" | 18'-0" LONG LINEAR LED 600 LUMENS/FT | RECESSED | LED | 277 V | 88.2 | AXIS LIGHTING #BBRLED-600-80-40-0.5G-S(1)8-W-UNV-DP-1-TB15 | FOCAL POINT, LUMENWERX | 1,3 | |
| "F4A-18 EM" | 18'-0" LONG LINEAR LED WITH EMERGENCY LIGHT SECTION 600 LUMENS/FT | RECESSED | LED | 277 V | 88.2 | AXIS LIGHTING #BBRLED-600-80-40-0.5G-S(1)8-W-UNV-DP-1+E(1)-TB15 | FOCAL POINT, LUMENWERX | 1,3,4 | |
| "F4B-4" | 4'-0" LONG LINEAR LED 800 LUMENS/FT | RECESSED | LED | 277 V | 26.2 | AXIS LIGHTING #BBRLED-800-80-40-0.5G-4-W-UNV-DP-1-TB15 | FOCAL POINT, LUMENWERX | 1,3 | |
| "F4B-8" | 8'-0" LONG LINEAR LED 800 LUMENS/FT | RECESSED | LED | 277 V | 52.2 | AXIS LIGHTING #BBRLED-800-80-40-0.5G-8-W-UNV-DP-1-TB15 | FOCAL POINT, LUMENWERX | 1,3 | |
| "F4B-16" | 16'-0" LONG LINEAR LED 800 LUMENS/FT | RECESSED | LED | 277 V | 104.4 | AXIS LIGHTING #BBRLED-800-80-40-0.5G-S(1)6-W-UNV-DP-1-TB15 | FOCAL POINT, LUMENWERX | 1,3 | |
| "F4B-18" | 18'-0" LONG LINEAR LED 800 LUMENS/FT | RECESSED | LED | 277 V | 117.5 | AXIS LIGHTING #BBRLED-800-80-40-0.5G-S(1)8-W-UNV-DP-1-TB15 | FOCAL POINT, LUMENWERX | 1,3 | |
| "F4B-18 EM" | 18'-0" LONG LINEAR LED WITH EMERGENCY LIGHT SECTION 800 LUMENS/FT | RECESSED | LED | 277 V | 117.5 | AXIS LIGHTING #BBRLED-800-80-40-0.5G-S(1)8-W-UNV-DP-1+E(1)-TB15 | FOCAL POINT, LUMENWERX | 1,3,4 | |
| "F4B-20" | 20'-0" LONG LINEAR LED 800 LUMENS/FT | RECESSED | LED | 277 V | 130.6 | AXIS LIGHTING #BBRLED-800-80-40-0.5G-S(2)20-W-UNV-DP-1-TB15 | FOCAL POINT, LUMENWERX | 1,3 | |
| "F4C-6" | 6'-0" LONG LINEAR LED 1000 LUMENS/FT | RECESSED | LED | 277 V | 49 | AXIS LIGHTING #BBRLED-1000-80-40-0.5G-6-W-UNV-DP-1-TB15 | FOCAL POINT, LUMENWERX | 1,3 | |
| "F5" | THIN 4'-0" LONG LINEAR LED 1000 LUMENS/FT | RECESSED | LED | 277 V | 37.8 | MARK LIGHTING #SL11-L-OP-4FT-7G-90CRI-40K-1000LMF-DBW-MINI-1-MVOLT-ZT | HLI LITECONTROL, SIGNIFY LEDALITE | 1 | |
| "F6" | 2x2' FLAT PANEL LED | RECESSED | LED | 277 V | 41.8 | LITHONIA LIGHTING #CPX-2X2-5000LM-80CRI-40K-SWL-MINI-0-ZT-MVOLT | HLI COLUMBIA LIGHTING, SIGNIFY DAY-BRITE | 1 | |
| "F7-47" | 47'-0" LONG LINEAR LED WITH PERIMETER ROOM FILL DISTRIBUTION AND EMERGENCY LIGHT SECTION | RECESSED | LED | 277 V | 263.2 | PRUDENTIAL LIGHTING #BPRO3-REC-FLSH-LED4-MO-R47-TMW-PFL-IP-SC-UNV-XIT-DMO1-E-MC | FOCAL POINT, LUMENWERX | 1,3,4 | |
| "F7-65" | 65'-0" LONG LINEAR LED WITH PERIMETER ROOM FILL DISTRIBUTION AND EMERGENCY LIGHT SECTION | RECESSED | LED | 277 V | 364 | PRUDENTIAL LIGHTING #BPRO3-REC-FLSH-LED4-MO-R65-TMW-PFL-IP-SC-UNV-XIT-DMO1-E-MC | FOCAL POINT, LUMENWERX | 1,3,4 | |
| "F8" | 8' LED STRIP LIGHT, 2000 LUMENS | SURFACE | LED | 277 V | 51.1 | LITHONIA LIGHTING #CLX-L96-8000LM-5EP-RDL-MVOLT-GZ10-40K-80CRI-WH | HLI COLUMBIA LIGHTING, SIGNIFY DAY-BRITE | - | |
| "F9-3" | 3'-0" LONG TUBE LIGHT | SURFACE | LED | 277 V | 13.7 | EUREKA LIGHTING #3545-3G-LED-40-90-277-DV-WI-(FINISH)-WH | - | - | |
| "F9-4" | 4'-0" LONG TUBE LIGHT | SURFACE | LED | 277 V | 17.6 | EUREKA LIGHTING #3545-48-LED-40-90-277-DV-WI-(FINISH)-WH | - | - | |
| "F10" | 18'-0" LONG LINEAR LED WITH WALL WASH DISTRIBUTION 600 LUMENS/FT | RECESSED | LED | 277 V | 57.6 | AXIS LIGHTING #BBRLED-400-80-40-WW-S(1)8-W-UNV-DP-1-TB15 | FOCAL POINT, LUMENWERX | 1,3 | |
| "F11" | DECORATIVE LED PENDANT | PENDANT | LED | 120 V | 20 | EUREKA LIGHTING #42G9-15-LED-40-80-120V-DV-C-60-(FINISH)-(FINISH)-WH | - | 2 | |
| "F12" | DECORATIVE LED PENDANT | PENDANT | LED | 120 V | 24 | SECTO DESIGN KONTRO 6000 | - | 2 | |
| "F13-17" | 17'-0" LONG SUSPENDED LINEAR LED 400 LUMENS/FT | SUSPENDED | LED | 277 V | 54.4 | AXIS LIGHTING #TB4DLED-400-80-40-SO-S(1)7-W-UNV-DP-1-CT15(48) | FOCAL POINT, LUMENWERX | 1,2,3 | |
| "F13-25" | 25'-0" LONG SUSPENDED LINEAR LED WITH EMERGENCY LIGHT SECTION 400 LUMENS/FT | SUSPENDED | LED | 277 V | 83.1 | AXIS LIGHTING #TB4DLED-400-80-40-50-S(25)-W-UNV-DP-1+E(1)-CT15(48) | FOCAL POINT, LUMENWERX | 1,2,3,4 | |
| "F13-26" | 26'-0" LONG SUSPENDED LINEAR LED WITH EMERGENCY LIGHT SECTION 400 LUMENS/FT | SUSPENDED | LED | 277 V | 86.4 | AXIS LIGHTING #TB4DLED-400-80-40-50-S(26)-W-UNV-DP-1+E(1)-CT15(48) | FOCAL POINT, LUMENWERX | 1,2,3,4 | |
| "F13-28" | 28'-0" LONG SUSPENDED LINEAR LED 400 LUMENS/FT | SUSPENDED | LED | 277 V | 93 | AXIS LIGHTING #TB4DLED-400-80-40-50-S(28)-W-UNV-DP-1-CT15(48) | FOCAL POINT, LUMENWERX | 1,2,3 | |
| "F13-30" | 30'-0" LONG SUSPENDED LINEAR LED 400 LUMENS/FT | SUSPENDED | LED | 277 V | 99.6 | AXIS LIGHTING #TB4DLED-400-80-40-50-S(30)-W-UNV-DP-1-CT15(48) | FOCAL POINT, LUMENWERX | 1,2,3 | |
| "F13-32" | 32'-0" LONG SUSPENDED LINEAR LED 400 LUMENS/FT | SUSPENDED | LED | 277 V | 106.3 | AXIS LIGHTING #TB4DLED-400-80-40-50-S(32)-W-UNV-DP-1-CT15(48) | FOCAL POINT, LUMENWERX | 1,2,3 | |
| "F13-40" | 40'-0" LONG SUSPENDED LINEAR LED 400 LUMENS/FT | SUSPENDED | LED | 277 V | 132.9 | AXIS LIGHTING #TB4DLED-400-80-40-50-S(40)-W-UNV-DP-1-CT15(48) | FOCAL POINT, LUMENWERX | 1,2,3 | |
| NOTES: 1. CONTRACTOR TO PROVIDE ALL OPTIONS AND ACCESSORIES AS REQUIRED TO INSTALL LUMINAIRE IN VARYING CEILING TYPES AS SHOWN ON THE PLANS. 2. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT SUSPENSION LENGTHS. 3. REFER TO ARCHITECTURAL RCP PLANS FOR EXACT LENGTH OF LUMINAIRE REQUIRED. 4. LUMINAIRE INCLUDES 4'-0" SECTION(S) WIRED TO EMERGENCY LIGHTING CIRCUIT. PROVIDE OPTIONS FOR SEPARATE ELECTRICAL FEEDS AS REQUIRED. REFER TO PLANS FOR QUANTITIES AND LOCATIONS. | | | | | | | | | |
| GENERAL NOTES: a. CONTRACTOR TO PROVIDE NECESSARY MOUNTING HARDWARE AND LABOR FOR LUMINAIRES. b. LAY IN CEILING GRID LUMINAIRES SHALL BE FOR USE WITH STANDARD 151/6" GRID SYSTEM. c. CEILING TYPES, FINISHES AND HEIGHTS MAY VARY. SEE ARCHITECTURAL RCP PLANS FOR MORE INFO. CONTRACTOR TO COORDINATE & PROVIDE PROPER MOUNTING HARDWARE, FLANGE, AND ACCESSORIES AS REQUIRED. d. ALL FINISH COLORS AND COLOR TEMPERATURES TO BE CONFIRMED BY THE ARCHITECT. | | | | | | | | | |



ARCHITECT OF RECORD
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P: 312.496.0000

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20/10 ENGINEERING GROUP, LLC
1216 TOWER ROAD
SCHAUMBURG, IL 60173
P: 847.882.2010 F: 847.882.2201

McHenry County College
2024 RENOVATIONS - BID PACKAGE 2

8900 NORTHWEST HWY #14
CRYSTAL LAKE, IL 60012
DKA PROJECT NO: 24-031

KEY PLAN:

SHEET STATUS: 10/17/2024
ISSUED FOR BID - NOT
FOR CONSTRUCTION

[illegible]

SHEET TITLE:

**ELECTRICAL
SCHEDULES**

SHEET NUMBER:

E4.00

10/30/2024 8:24:33 AM

| | | | | | | | | |
|---------------------------------|---------|------------------|-------------|------------------------|------|-------------------------------|-----|------------------------------|
| PANEL SCHEULE: "I/GG" | | | | LOCATION: STOR A2 I 2E | | C.B. RATING: 14 kAIC | | |
| VOLT: 480/277V, 3Ø, 4W | | MAINS: 100 A MCB | | MOUNTING: SURFACE | | TYPE: BOLT-ON | | |
| REMARKS: NEW REPLACEMENT PANEL. | | | | | | | | |
| | | | V.A. | | | | | |
| USE AND/OR AREA SERVED | C/B | CIR. NO. | A | B | C | CIR. NO. | C/B | USE AND/OR AREA SERVED |
| | | 1 | | | | -- | | |
| | -- | 3 | | | | 2 | -- | |
| | -- | 5 | | | | 4 | -- | |
| | -- | 7 | | | | 6 | -- | |
| | -- | 9 | | | | 8 | -- | |
| | -- | 11 | | | | 10 | -- | |
| | -- | 13 | | | | 12 | -- | |
| L: TUTORING LINEARS | 20 A 1P | 13 | 656 2320 | | | 14 | 1P | 20 A L: LIBRARY NORTH |
| L: TUTORING | 20 A 1P | 15 | | 1693 | | 16 | 1P | 20 A L: COMPUTERS + CORRIDOR |
| L: STACKS + CLASSROOM | 20 A 1P | 17 | | | 2184 | -- | | |
| | -- | 19 | | | | 18 | -- | |
| | -- | 21 | | | | 20 | -- | |
| | -- | 23 | | | | 22 | -- | |
| | -- | 25 | | | | 24 | -- | |
| | -- | 27 | | | | 26 | -- | |
| | -- | 29 | | | | 28 | -- | |
| | -- | | | | | 30 | -- | |
| TOTAL CONNECTED LOAD PER PHASE: | | | 2976 | 2972 | 2184 | TOTAL = 8,132 VA 9.78 AMP5 | | |

| PANEL SCHEULE: "I/S" | | | | | LOCATION: STORAGE A2 I 0D | | C.B. RATING: 10 KAIC | |
|---------------------------------|---------|------------------|-------|-------------------|---------------------------|----------------------------------|----------------------|------------------------------|
| VOLT: 208/120V, 3Ø, 4W | | MAINS: 125 A MCB | | MOUNTING: SURFACE | | TYPE: BOLT-ON | | |
| REMARKS: NEW PANEL. | | | | | | | | |
| | | | V.A. | | | | | |
| USE AND/OR AREA SERVED | C/B | CIR. NO. | A | B | C | CIR. NO. | C/B | USE AND/OR AREA SERVED |
| R: A2 I 0.2 COMPUTER COPIER | 20 A 1P | 1 | 1200 | | | -- | | |
| | -- | -- | 720 | | | 2 | 1P 20 A | R: A2 I 0.4 CIRCULATION |
| R: A2 I 0.2 COMPUTER COPIER | 20 A 1P | 3 | | 1200 | | -- | | |
| | -- | -- | | 360 | | 4 | 1P 20 A | R: A2 I 0.4 CIRCULATION |
| R: A2 I 0.2 COMPUTER COPIER | 20 A 1P | 5 | | | 1200 | -- | | |
| | -- | -- | | | 720 | 6 | 1P 20 A | R: A2 I 0.4 CIRCULATION |
| R: A2 I 0.2 COMPUTER CENTER | 20 A 1P | 7 | 360 | | | -- | | |
| | -- | -- | 720 | | | 8 | 1P 20 A | R: A2 I 0.4 CIRCULATION |
| R: A2 I 0.2 COMPUTER CENTER | 20 A 1P | 9 | | 540 | | 10 | 1P 20 A | R: A2 I 0.4 CIRCULATION |
| | -- | -- | | 540 | | -- | | |
| R: A2 I 0.2 COMPUTER FLOOR | 20 A 1P | 11 | | | 360 | -- | | |
| | -- | -- | | | 1000 | 12 | 1P 20 A | R: A2 I 0.4 CIRCULATION CART |
| R: A2 I 0.2 COMPUTER FLOOR | 20 A 1P | 13 | 360 | | | -- | | |
| | -- | -- | 1000 | | | 14 | 1P 20 A | R: A2 I 0.4 CIRCULATION CART |
| R: A2 I 0.2 COMPUTER FLOOR | 20 A 1P | 15 | | 360 | | -- | | |
| | -- | -- | | 1080 | | 16 | 1P 20 A | R: A2 I 0.4 CIRCULATION |
| R: A2 I 0.2 COMPUTER FLOOR | 20 A 1P | 17 | | | 360 | -- | | |
| | -- | -- | | | 720 | 18 | 1P 20 A | R: A2 I 0E TECH PROCESSING |
| R: A2 I 0.2 COMPUTER FLOOR | 20 A 1P | 19 | 720 | | | -- | | |
| | -- | -- | 540 | | | 20 | 1P 20 A | R: A2 I 0D STORAGE |
| R: A2 I 0.3 IT HELP DESK... | 20 A 1P | 21 | | 360 | | -- | | |
| | -- | -- | | 900 | | 22 | 1P 20 A | R: A2 I 0C DIRECTOR'S OFFICE |
| R: A2 I 0.3 IT HELP DESK | 20 A 1P | 23 | | | 720 | -- | | |
| | -- | -- | | | 900 | 24 | 1P 20 A | R: A2 I 0F OFFICE |
| R: A2 I 0.3 IT HELP DESK | 20 A 1P | 25 | 360 | | | -- | | |
| | -- | -- | 900 | | | 26 | 1P 20 A | R: A2 I 0G OFFICE |
| R: A2 I 0.3 IT HELP DESK | 20 A 1P | 27 | | 720 | | -- | | |
| | -- | -- | | 900 | | 28 | 1P 20 A | R: A2 I 0H OFFICE |
| R: A2 I 0B OFFICE | 20 A 1P | 29 | | | 720 | -- | | |
| | -- | -- | | | 900 | 30 | 1P 20 A | R: A2 I 0K OFFICE |
| R: A2 I 0A MEETING ROOM | 20 A 1P | 31 | 900 | | | -- | | |
| | -- | -- | 900 | | | 32 | 1P 20 A | R: A2 I 0K OFFICE |
| R: A2 I 0 LIBRARY POLES | 20 A 1P | 33 | | 720 | | -- | | |
| | -- | -- | | 1080 | | 34 | 1P 20 A | R: A2 I 0L LIBRARY STACKS |
| R: A2 I 0 LIBRARY NORTH | 20 A 1P | 35 | | | 360 | -- | | |
| | -- | -- | | | 540 | 36 | 1P 20 A | R: A2 I 0L LIBRARY STACKS |
| R: A2 I 0 LIBRARY COPIER | 20 A 1P | 37 | 1200 | | | -- | | |
| | -- | -- | 540 | | | 38 | 1P 20 A | R: A2 I 0L LIBRARY STACKS |
| R: A2 I 0 LIBRARY WEST | 20 A 1P | 39 | | 900 | | -- | | |
| | -- | -- | | 1440 | | 40 | 1P 20 A | M: FPB-A2 I 2.3 |
| M: FPB-A2 I 2K | 20 A 1P | 41 | | | 1440 | -- | | |
| | -- | -- | | | 1440 | 42 | 1P 20 A | M: FPB-A2 I 0 |
| M: FPB-A2 I 0.4 | 20 A 1P | 43 | 1440 | | | -- | | |
| | -- | -- | 744 | | | 44 | 1P 15 A | M: FPB-A2 I 0.B |
| M: FPB-A2 I 0.F | 15 A 1P | 45 | | 1152 | | -- | | |
| | -- | -- | | 1440 | | 46 | 1P 20 A | M: FPB-A2 I 0.2 |
| M: FPB-A2 I 0.L | 20 A 1P | 47 | | | 1440 | -- | | |
| | -- | -- | | | 144 | 48 | 1P 20 A | L: CIRCULATION A2 I 2.1 DESK |
| | -- | 49 | | | | -- | | |
| | -- | 51 | | | | 50 | -- | |
| | -- | 53 | | | | 52 | -- | |
| | -- | 55 | | | | 54 | -- | |
| | -- | 57 | | | | 56 | -- | |
| | -- | 59 | | | | 58 | -- | |
| | -- | -- | | | | 60 | -- | |
| TOTAL CONNECTED LOAD PER PHASE: | | | 12604 | 13692 | 12964 | TOTAL = 39,260 VA 108.97 AMPS | | |

| PANEL SCHEULE: "I/R" | | | | | LOCATION: STOR A2 I 2E | | C.B. RATING: 10 KAIC | |
|---------------------------------|---------|------------------|------|-------------------|------------------------|---------------------------------|----------------------|--------------------------------|
| VOLT: 208/120V, 3Ø, 4W | | MAINS: 100 A MCB | | MOUNTING: SURFACE | | TYPE: BOLT-ON | | |
| REMARKS: NEW PANEL. | | | | | | | | |
| | | | V.A. | | | | | |
| USE AND/OR AREA SERVED | C/B | CIR NO. | A | B | C | CIR NO. | C/B | USE AND/OR AREA SERVED |
| R: A2 I 2A OFFICE | 20 A 1P | 1 | 900 | | | -- | | |
| | -- | -- | 900 | | | 2 | 1P | 20 A R: A2 I 2K CLASSROOM |
| R: A2 I 2B OFFICE | 20 A 1P | 3 | | 900 | | -- | | |
| | -- | -- | | 900 | | 4 | 1P | 20 A R: A2 I 2K CLASSROOM |
| R: A2 I 2C OFFICE | 20 A 1P | 5 | | | 900 | -- | | |
| | -- | -- | | | 180 | 6 | 1P | 20 A R: A2 I 2K CLASSROOM CART |
| R: A2 I 2D OFFICE | 20 A 1P | 7 | 1080 | | | -- | | |
| | -- | -- | 720 | | | 8 | 1P | 20 A R: A2 I 2K CLASSROOM DESK |
| R: A2 I 2F GROUP STUDY | 20 A 1P | 9 | | 900 | | -- | | |
| | -- | -- | | 744 | | 10 | 1P | 15 A M: FPB-A2 I 2.A |
| R: A2 I 2G GROUP STUDY | 20 A 1P | 11 | | | 720 | -- | | |
| | -- | -- | | | 1440 | 12 | 1P | 20 A M: FPB-A2 I 2.1 |
| R: A2 I 2H GROUP STUDY | 20 A 1P | 13 | 900 | | | -- | | |
| | -- | -- | 744 | | | 14 | 1P | 15 A M: FPB-A2 I 2.F |
| R: A2 I 2J BREAKROOM FRIDGE | 20 A 1P | 15 | | 1200 | | -- | | |
| | -- | -- | | 1440 | | 16 | 1P | 20 A M: FPB-A2 I 2.2 |
| R: A2 I 2J BREAKROOM | 20 A 1P | 17 | | | 360 | -- | | |
| | -- | -- | | | 720 | 18 | 1P | 20 A R: A2 I 2 TUTORING FLOOR |
| R: A2 I 2J BREAKROOM | 20 A 1P | 19 | 540 | | | -- | | |
| | -- | -- | 720 | | | 20 | 1P | 20 A R: A2 I 2 TUTORING FLOOR |
| R: A2 I 2 TUTORING DESK | 20 A 1P | 21 | | 720 | | -- | | |
| | -- | -- | | 60 | | 22 | 1P | 20 A L: CIRCULATION DESK |
| R: A2 I 2 TUTORING DESK | 20 A 1P | 23 | | | 720 | -- | | |
| | -- | -- | | | | 24 | -- | |
| R: A2 I 2 TUTORING CARTS | 20 A 1P | 25 | 1000 | | | -- | | |
| | -- | -- | | | | 26 | -- | |
| R: A2 I 2 TUTORING SOUTH | 20 A 1P | 27 | | 540 | | -- | | |
| | -- | -- | | | | 28 | -- | |
| R: A2 I 2 TUTORING SOUTH | 20 A 1P | 29 | | | 1080 | -- | | |
| | -- | -- | | | | 30 | -- | |
| R: A2 I 2 TUTORING WEST | 20 A 1P | 31 | 540 | | | -- | | |
| | -- | -- | | | | 32 | -- | |
| R: A2 I 2 TUTORING POLES | 20 A 1P | 33 | | 720 | | -- | | |
| | -- | -- | | | | 34 | -- | |
| R: A2 I 2 TUTORING CENTER | 20 A 1P | 35 | | | 720 | -- | | |
| | -- | -- | | | | 36 | -- | |
| R: A2 I 2 TUTORING CARTS | 20 A 1P | 37 | 1000 | | | -- | | |
| | -- | -- | | | | 38 | -- | |
| R: A2 I 2 TUTORING CARTS | 20 A 1P | 39 | | 1000 | | -- | | |
| | -- | -- | | | | 40 | -- | |
| | -- | 41 | | | | -- | | |
| | -- | -- | | | | 42 | -- | |
| TOTAL CONNECTED LOAD PER PHASE: | | | 9044 | 9124 | 6840 | TOTAL = 25,008 VA 69.42 AMPS | | |



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P: 847.882.201F; 847.882.2201

McHenry County College
2024 RENOVATIONS - BID PACKAGE 2

8900 NORTHWEST HWY #14
CRYSTAL LAKE, IL 60012
DKA PROJECT NO: 24-031

| | | |
|---------------------------------------|--------------|------------|
| SHEET STATUS: | | 10/17/2024 |
| ISSUED FOR BID - NOT FOR CONSTRUCTION | | |
| NO: | DESCRIPTION: | DATE: |
| 1 | Addendum #1 | 10/29/24 |
| | | |
| | | |
| | | |
| | | |
| | | |

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NUMBER:
E4.20

SPARE CIRCUIT BREAKER NOTE:
PROVIDE A MINIMUM OF (6) SPARE 20A-1P CIRCUIT BREAKERS IN NEW ELECTRICAL PANELS.

PANEL SCHEDULE NOTE:
SCHEDULES FOR EXISTING PANELS ARE SHOWN FOR REFERENCE TO INDICATE SIZE AND QUANTITY OF NEW CIRCUIT BREAKERS REQUIRED. CONTRACTOR TO FIELD VERIFY EXISTING PANEL CHARACTERISTICS AND BRANCH CIRCUIT BREAKER LAYOUT.