

**SECTION 00 90 03
BIDDING AND CONTRACT REQUIREMENTS
ADDENDUM NUMBER 3**

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

To: Prospective Bidders

Issued: November 7, 2024

Re: ADDENDUM NUMBER (3) 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

None

ADDENDA TO THE DRAWINGS

ELECTRICAL

1. ED1.20
 - A. **REVISE** demolition tag for existing floor boxes to remain in Library area to be 'XW' in lieu of 'X'.
2. E0.10
 - A. **ADD** callout tags for area of work.
3. E0.12
 - A. **DELETE** conduit sleeve up to the upper floor and associated drawing note #5 outside Testing Center A110.
 - B. **ADD** location of existing IDF at Storage A120 and associated note.
4. E1.11
 - A. **ADD** receptacle serving refrigerator in Mock Apartment.
 - B. **ADD** receptacle and data outlet in EMS Office Suite D166.
 - C. **ADD** conduit sleeve in EMS Office Suite D166, Office D166A, Office D166B.
 - D. **ADD** new drawing note #4 in EMS Lab D167.
5. E1.20
 - A. **ADD** receptacle, data, and A/V outlets in individual offices.
 - B. **ADD** conduit sleeve in individual offices, group study rooms, Break Room A212L, Meeting Room A212M, Tutoring A212K, Classroom A212J, Tech Processing A212C, Storage A212B.
 - C. **REVISE** receptacle placement for laptop carts in Tutoring A212K.
 - D. **REVISE** demolition tag for existing floor boxes to remain in Library area to be 'XW' in lieu of 'X'.
 - E. **ADD** circuiting information for existing floor boxes in Library area.
 - F. **ADD** alternate bid information on fire door at Library Stacks A212.5.
6. E4.00
 - A. **REVISE** 'LUMINAIRE SCHEDULE' as indicated.
 - B. **ADD** 'LUMENWERX' as alternate manufacturer for luminaire types "F9A-3", "F9A-7", "F9A-8", "F9A-10", AND "F9B-10".

7. E4.10
 - A. **ADD** (2) circuits in schedule for panel "S/J2".
 - B. **ADD** (3) circuits in schedule for panel "I/S".

CLARIFICATIONS

1. Refer to attached for all pre-bid RFI submitted and the responses provided.

This addendum consists of 3 pages, excluding attachments.

END 00 90 03.

Attachments:

1. 2024.11.07 – MCC 2024 Reno BP2 – Pre-bid RFI_ADDENDUM #3
2. ED1.20, E0.10, E0.12, E1.11, E1.20, E4.00, E4.10



DEMONICA KEMPER ARCHITECTS

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

Pre-Bid RFI - Addendum 3 11/7/2024

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.
005	It looks like there is to be carpet removed on sheet AD1.11 per note F3. Per the walk thru today it looks to be epoxy or painted floors. Please confirm the intent is to use lvt over ex floors?	Refer to Addendum #2 for clarification on the flooring removal and new type of flooring at the EMS lab.
006	The drawings and the finish schedule indicate PWP-1 perforated wood panels and to see spec. What spec can I find this in?	Refer to Spec Section 09 84 33 Sound Absorbing Wall and Ceiling Units for product details for PWP-1 Perforated Wood Panels.
007	Spec 064216 item 2.2 F 2 indicates PVC T-mold for exposed edges. Will 3m PVC be acceptable, as PVC T-molding is not very common for cabinets.	3m PVC is acceptable.
008	Spec 064216 item 2.2 F 1 indicates HGS laminate for exposed surfaces. Please confirm this is required, as VGS laminate is typically standard for cabinet exteriors.	HGS laminate is required for horizontal surfaces, but VGS can be used on vertical surfaces.
009	Spec 064216 includes WD-1, 2 & 3 and is described as wood paneling. The only item noted on the drawings on the finish schedule on A11 sheets is WD-3 which is a 2" solid wood edge. Is this the correct spec for this item? And is WD-1, 2, & 3 in the spec relevant to this project? Please clarify.	Refer to Millwork Sheets for WD-1 and WD-2 locations (A9.51-A9.54). Refer to Detail Sheets (17/A7.01, 15/A7.02, 10&11/A7.51), Interior Elevation Sheets (A9.02), Millwork Details (A9.51) and Finish Plans (A11.20) for WD-3 locations. The design in intent is for WD-1 (solid wood) and WD-2 (Veneer) to have the same custom finish to match the control sample and for WD-3 (Solid wood) to be stained to match the Perforated Wood Panels (PWP-1).
010	Upon looking through the project documents, I see it mentions four window films (v1, v2, v3, and v4). I see that V3 is a frosted film which I can quote the standard for, but can you clarify how "high" of a gradient for V4 and specifics on V1 and V2?	Refer to 08 80 00 GLAZING, Section 2.8 for details on V2, V3, and V4 and the interior elevations / window elevations for extents of the graphics provided. V1 will be a custom graphic printed on the applied vinyl, size as indicated on the drawings.
011	The EWC-1 shown on P1.11/detail 3 (Alternate #2) is not shown on the fixture schedule. Is this water cooler supposed to be new? Demo note "16" on PD1.11/detail 3 calls out for the existing water cooler to be removed but does not say to "reinstall." So, I'm assuming this unit goes to the trash? Are we to provide a new water cooler? If so, please have the A/E provide a make and model.	Yes, a new EWC is to be provided and installed as indicated on the drawings. Refer to Addendum #2 for revised plumbing drawings. The existing EWC can be removed and either salvaged to the owner or thrown out.
012	Can you provide more information on the signage planned for the wall noted on 11/A9.02.	Refer to Addendum #2 for additional details on the logo planned for 11/A9.02.

013	Are the CMU walls removed at the toilet room full height? If so, what shoring is required for demolition and bracing is required for new work?	The west walls and outer south walls of the existing office area are full height. The inner south wall is partial height. Both south walls are shown to be removed complete up to deck. The contractor is responsible for providing a shoring plan to safely remove both existing CMU walls to the south. The west CMU wall will be left existing to remain with new bracing provided as required to maintain structural stability of the full height CMU wall.
014	LVT-1 Branching Out is available in two styles: 5mm Acoustic (4256V) and 5mm (4480V). Please clarify which style we should be using for pricing.	Standard 5mm (4480V) is acceptable.
015	Does MCC have a freight elevator available to get 10' studs and other materials up to the second level?	There is a freight elevator available with easy access to the loading dock. However, the elevator height is less than 10'. There is also direct access to the second floor from the north parking lot where materials can be unloaded and brought through Building A to the 2nd Floor Library.
016	Is the GC responsible for the phasing plan or will one be provided?	The GC will be responsible for putting together the phasing plan based on their procurement and proposed construction schedule. The limitations on the schedule are noted in the Summary Section in the Project Manual.
017	What roofing contractors are acceptable to work with the existing roofing warranties on campus?	L Marshall, (847) 724-5400 and E Ariel Roofing, (224) 357-8745 are the acceptable roofing manufacturers for the college
018	Please confirm the schedule requirements for the corridor work in Building C and Building D. Can all demo work be completed at once or is ceiling demolition required to wait until the spring or summer?	The corridor ceilings are required to be fully installed (either existing or new) outside of the acceptable work periods noted in the project summary of winter, spring, and summer breaks. If the ceiling demo and new ceiling installation can be completed together during winter break, it is acceptable for all demo work in the corridors to be completed at the same time. Note that lighting installation can be temporary fixtures if lead times do not allow new fixtures to be installed when the ceiling work is completed.
019	Where is the existing IT Closets serving the Library?	The IDF Closet in A208 (2nd Floor) and the Main IDF in A120 (1st Floor) both feed the Library area. All new data cabling for outlets in the walls / ceilings of the library renovation should be fed from the existing rack in A208. All new floor boxes should be fed from the 1st floor IT Server Room A120. Refer to Addendum #3 revised electrical drawings for additional clarification.
020	What panels should feed the existing to remain and new floor boxes in the Library Renovation?	All existing floor boxes to remain fed from panel C-4 in A120 (1st Floor) can be left existing to remain. All existing floor boxes to remain fed from existing panels I/R and I/S in the Library should be re-fed to the new library panel locations.
021	Are alternates from another manufacturer acceptable for the carpet materials noted on the finish plans?	There are currently no alternate manufacturers acceptable for the carpet materials. Any substitutions requests can be noted on the bid submittals and all substitution requests will be reviewed with the awarded general contractor after bidding is complete. There is no guarantee any substitutions will be accepted.
022	Is moisture mitigation required?	There is no anticipated need for moisture mitigation. However all slab on grade areas should be tested to confirm compliance with the flooring manufacturers material requirements prior to installation. Any moisture mitigation required will be coordinated as an added cost at that time
023	On drawing A9.02 detail 11 there is a note referring to " 6'0" x 6'0" x 1/2" raised brush aluminum logo". There is no drawing of a logo or any other details. Is this the same logo that is on the cover page or is there another one?	Refer to Addendum #2, issued Monday 11/4 for clarification on the logo.
024	There does not seem to be any reference in the specs or drawings to ADA room or regulatory signage. Is there any of that in this scope?	All Room ID or other wayfinding signage will be compelled by the owner outside of the project scope. Any existing Room ID or Wayfinding signage will either be removed and reinstalled or turned over to the owner.

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

1 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.



MEP-FP-T-ENGINEERS
20/10 ENGINEERING GROUP, LLC
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8900 NORTHWEST HWY #14
CRYSTAL LAKE, IL 60012
DKA PROJECT NO:24-031

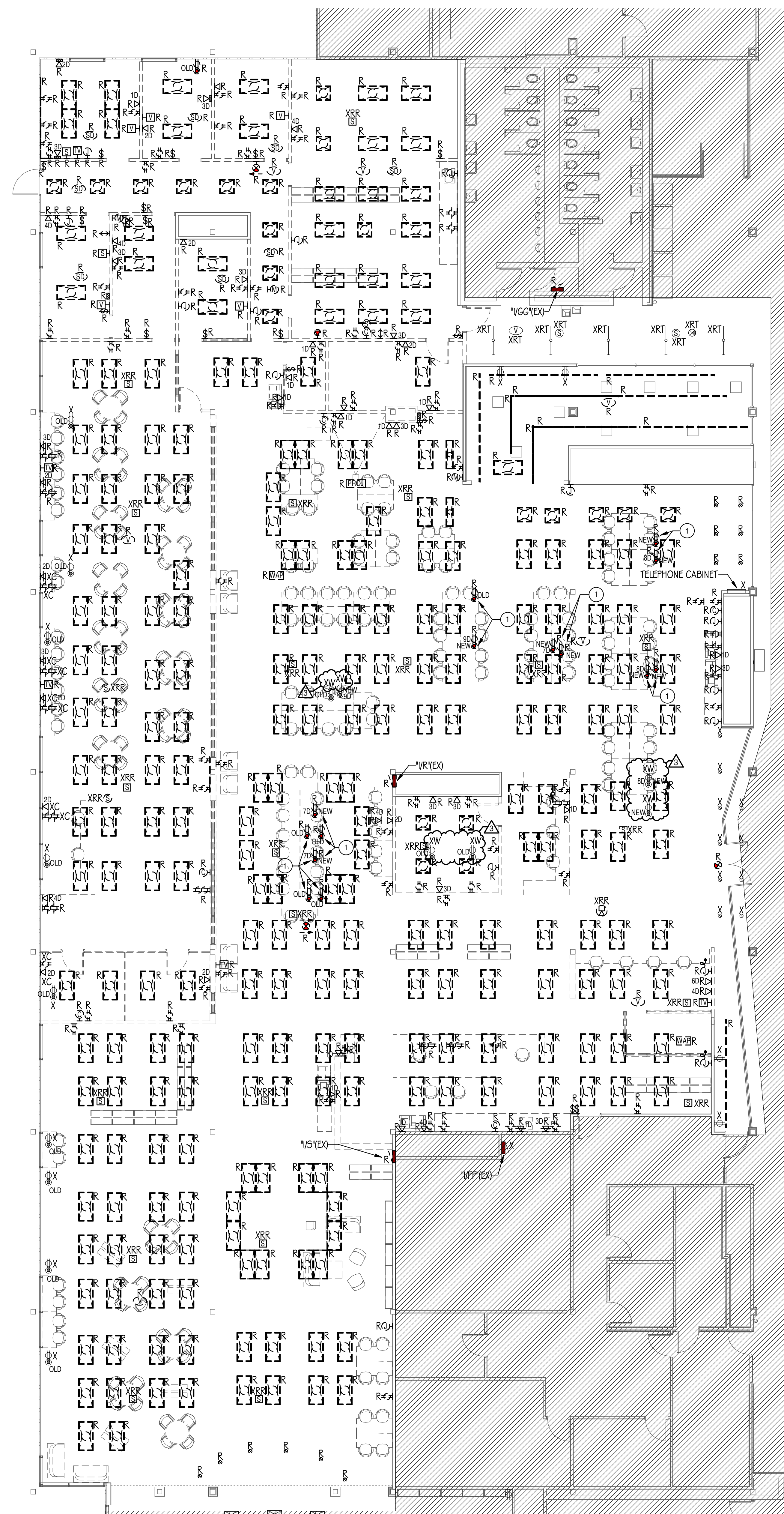
SHEET STATUS: 10/17/2024
ISSUED FOR BID - NOT
FOR CONSTRUCTION

NO:	DESCRIPTION:	DATE:
1	Addendum #1	10/29/24
3	Addendum #3	11/07/24

SHEET NUMBER:

ED1.20

11/7/2024 10:16:42 AM



1 ELECTRICAL DEMOLITION PLAN - LIBRARY
1/8" = 1'-0"





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McHenry County College
2024 RENOVATIONS - BID PACKAGE 2
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KEY PLAN:

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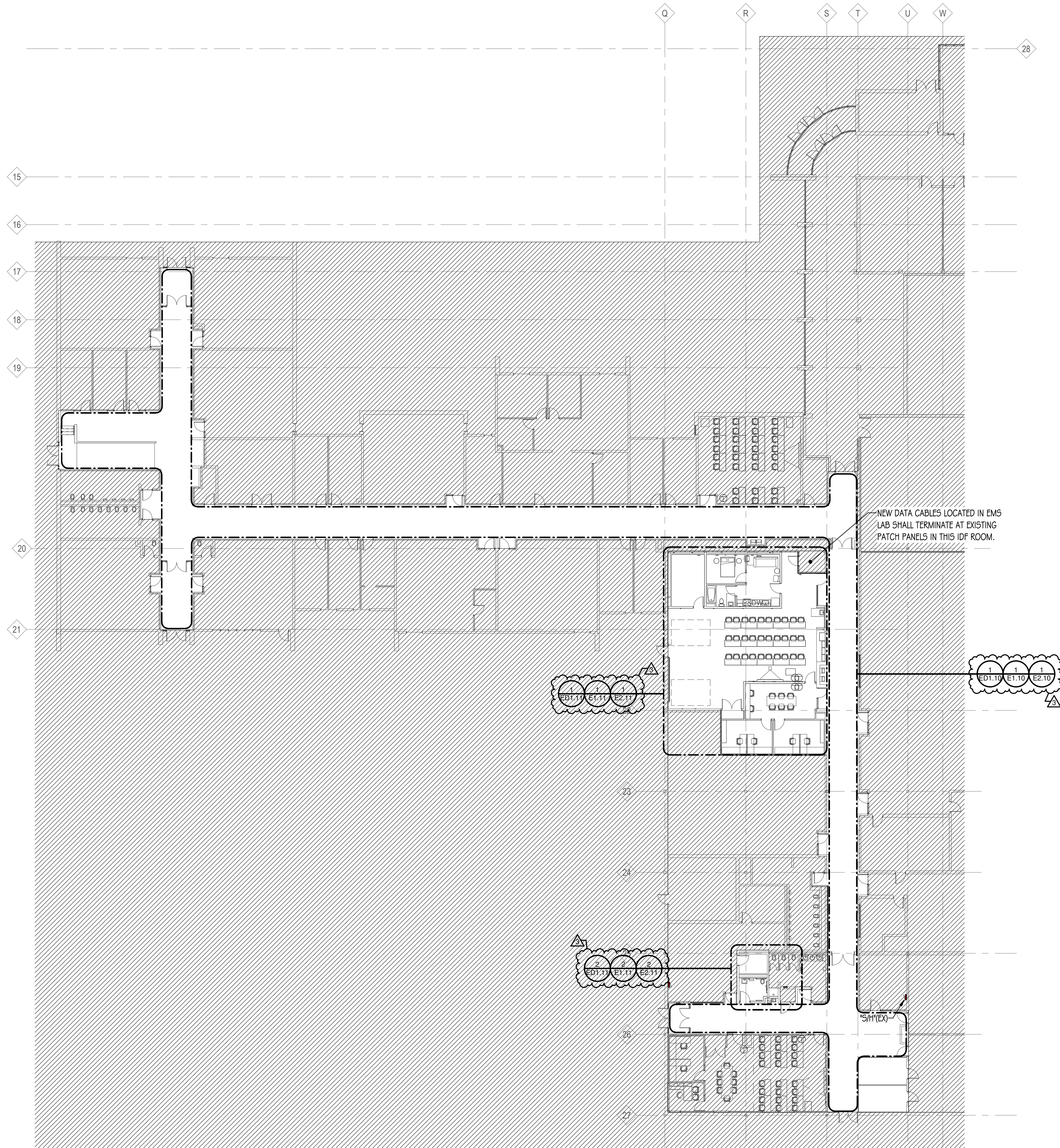
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SHEET TITLE:
**OVERALL
ELECTRICAL PLANS**

SHEET NUMBER:

E0.10

11/7/2024 10:16:38 AM



1 LEVEL 1 OVERALL ELECTRICAL PLAN
1/16" = 1'-0"



GENERAL NOTES:

1. CONTRACTOR SHALL CONFIRM EXACT FLOOR BOX LOCATION WITH THE ARCHITECT AND LOCATE/MARK ANY EXISTING UTILITIES IN AREA BY EMPLOYING SERVICE TO SCAN THE FLOOR SLAB. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGES TO EXISTING UTILITIES DUE TO SAWCUTTING OR FLOOR CORING.
2. OPEN THE EXISTING CEILINGS TO THE EXTENT REQUIRED TO FACILITATE FLOOR CORING AND DEVICE INSTALLATION. PROVIDE NEW MATERIALS MATCHING EXISTING CEILING MATERIALS. FINISHES AND ASSEMBLIES TO COVER ALL NEW OPENINGS TO THE SATISFACTION OF THE ARCHITECT AND OWNER. FIELD VERIFY EXACT REQUIREMENTS.
3. NEW CONDUITS SHALL BE GROUPED TOGETHER WITH EXISTING CONDUITS WHERE POSSIBLE. FIELD COORDINATE AND VERIFY EXACT CONDUIT ROUTING WITH ARCHITECT AND OWNER.
4. NEW LOW VOLTAGE CABLES SHALL BE BUNDLED TOGETHER AND ROUTED WITH EXISTING CABLE BUNDLES WHERE POSSIBLE. UTILIZE EXISTING CABLE TRAY WHERE APPLICABLE. FIELD COORDINATE AND VERIFY EXACT CABLE ROUTING WITH ARCHITECT AND OWNER.

DRAWING NOTES: (TYPICAL FOR THIS DRAWING ONLY.)

1. APPROXIMATE LOCATION OF EXISTING 480/277V-3PH-4W, 300MCM PANEL "DP-BIT" MANUFACTURED BY "SQUARE D". DISCONNECT AND REMOVE (1) 10A-3P & (1) 70A-3P CIRCUIT BREAKERS CURRENTLY SERVING COMPUTER ROOM COOLING UNITS SCHEDULED TO BE DEMOLISHED. REMOVED CIRCUIT BREAKERS SHALL BE TURNED OVER TO OWNER FOR ATTIC STOCK. REPLACE WITH (2) NEW 50A-3P CIRCUIT BREAKERS TO SERVE REPLACEMENT EQUIPMENT "CRCU-1" & "CRCU-2". NEW CIRCUIT BREAKERS SHALL BE OF TYPE AND AIC RATING TO MATCH EXISTING PANEL. EXTEND EXISTING CONDUCTORS TO NEW CIRCUIT BREAKERS AS REQUIRED. INCLUDE UPDATED PANELBOARD DIRECTORY TO REFLECT CHANGES. FIELD VERIFY EXACT REQUIREMENTS.
2. EXISTING MECHANICAL EQUIPMENT TO REMAIN. PROTECT CONDUITS AND CONDUCTORS SERVING EQUIPMENT TO MAINTAIN PROPER OPERATION.
3. ELECTRICALLY DISCONNECT EXISTING EQUIPMENT FOR REMOVAL. REMOVE ANY ASSOCIATED FIRE ALARM DEVICES, DISCONNECT SWITCHES, STARTERS, AND ALL CONDUITS AND CONDUCTORS BETWEEN EQUIPMENT AND PANEL. LEAVE CIRCUIT BREAKER AT "OFF" POSITION AND INDICATE CIRCUIT AS "SPARE" IN PANELBOARD DIRECTORY.
4. FOLLOW PATH FOR MECHANICAL SYSTEM PIPING AND ROUTE NEW CONDUITS IN PIPE CHASE FROM FLOOR BELOW TO ROOF TO SERVE NEW EQUIPMENT "ACC-1" & "ACC-2". UTILIZE SAME ROOF CURB AS MECHANICAL PIPING FOR ROUTING OF CONDUITS UP TO ROOF. SEE DETAIL ON SHEET ME1.0 FOR ROOF CURB AND ROOF SUPPORT REQUIREMENTS. FIELD COORDINATE AND VERIFY EXACT CONDUIT ROUTING.



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McHenry County College
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CRYSTAL LAKE, IL 60012
DKA PROJECT NO: 24-031

KEY PLAN:

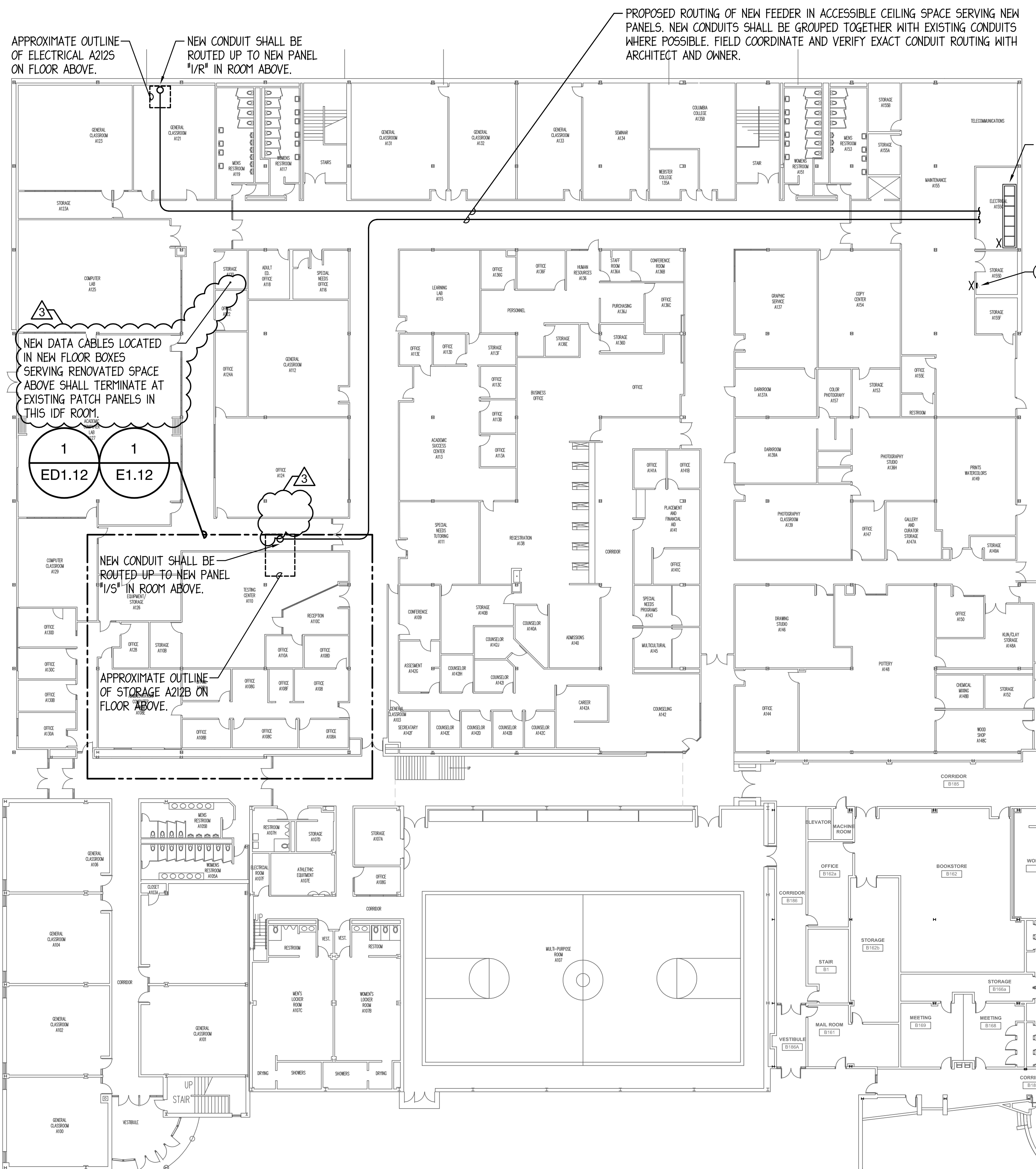
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3	Addendum #3	11/07/24

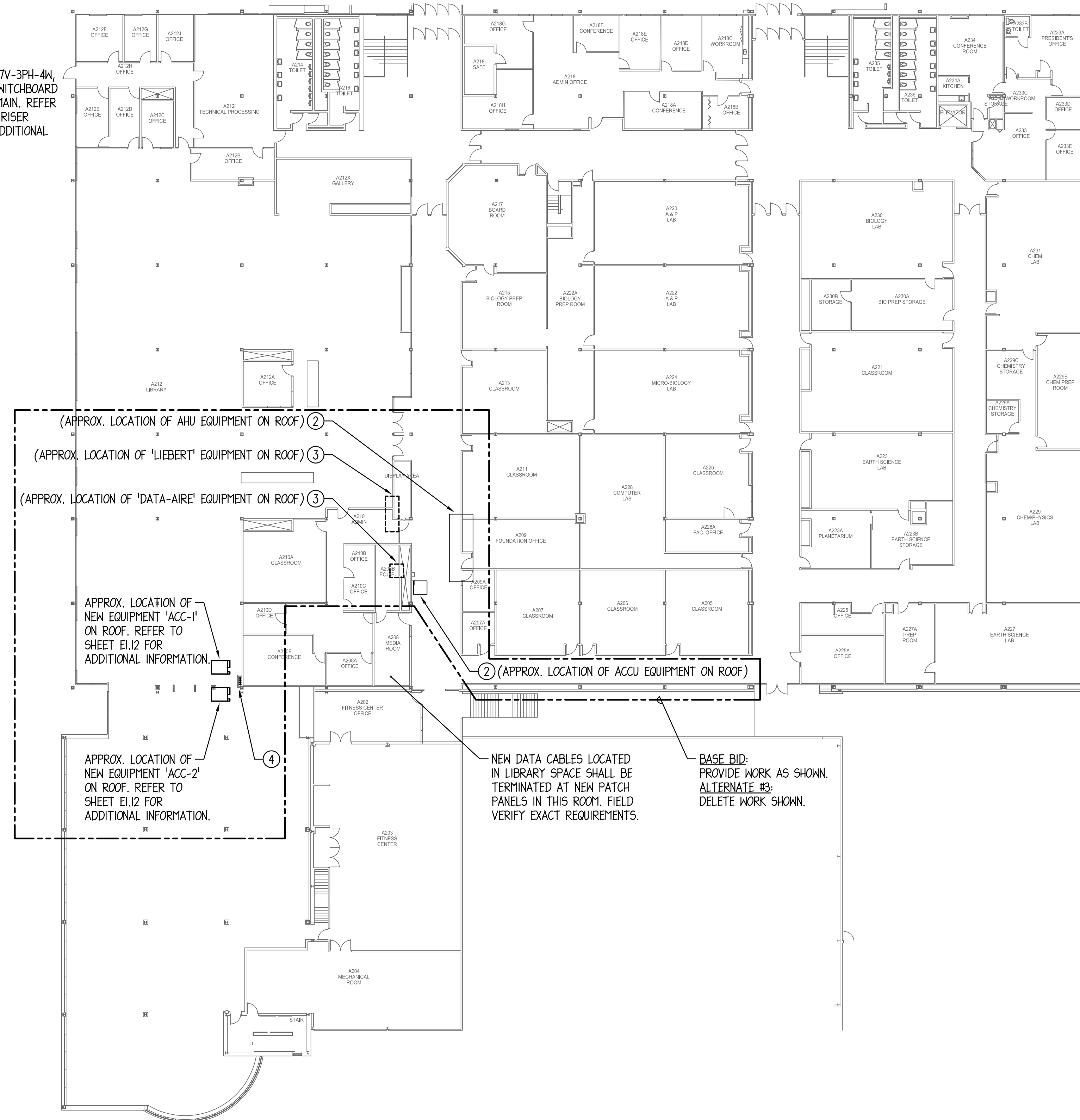
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OVERALL ELECTRICAL PLANS

SHEET NUMBER:

E0.12



1 LOWER LEVEL - OVERALL ELECTRICAL PLAN
1" = 20'-0"



2 UPPER LEVEL - OVERALL ELECTRICAL PLAN
1" = 20'-0"



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DRAWING NOTES

1. CONFIRM EXACT LOCATION OF DEVICES SERVING WORKSTATIONS PRIOR TO ROUGH-IN WITH ARCHITECT AND/OR GENERAL CONTRACTOR.
2. FOR WALL-MOUNTED SHORT-THROW PROJECTOR, CONFIRM EXACT LOCATION PRIOR TO ROUGH-IN WITH ARCHITECT AND/OR GENERAL CONTRACTOR.
3. INSTALL RECEPTACLE FOR ELECTRIC WATER COOLER (EWC) WITHIN EWC CABINET AS RECOMMENDED BY MANUFACTURER.
4. ALL EXPOSED CONDUITS AND LOW VOLTAGE CABLING SHALL BE ROUTED AS HIGH AS POSSIBLE IN STRUCTURAL JOIST SPACE. EXPOSED RUNS SHALL BE GROUPED AND FOLLOW MECHANICAL PIPING/DUCTWORK WHERE POSSIBLE. ANY DISCRETE RUNS VISIBLE TO PUBLIC SHALL BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.

McHenry County College 2024 RENOVATIONS - BID PACKAGE 2

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DKA PROJECT NO: 24-031

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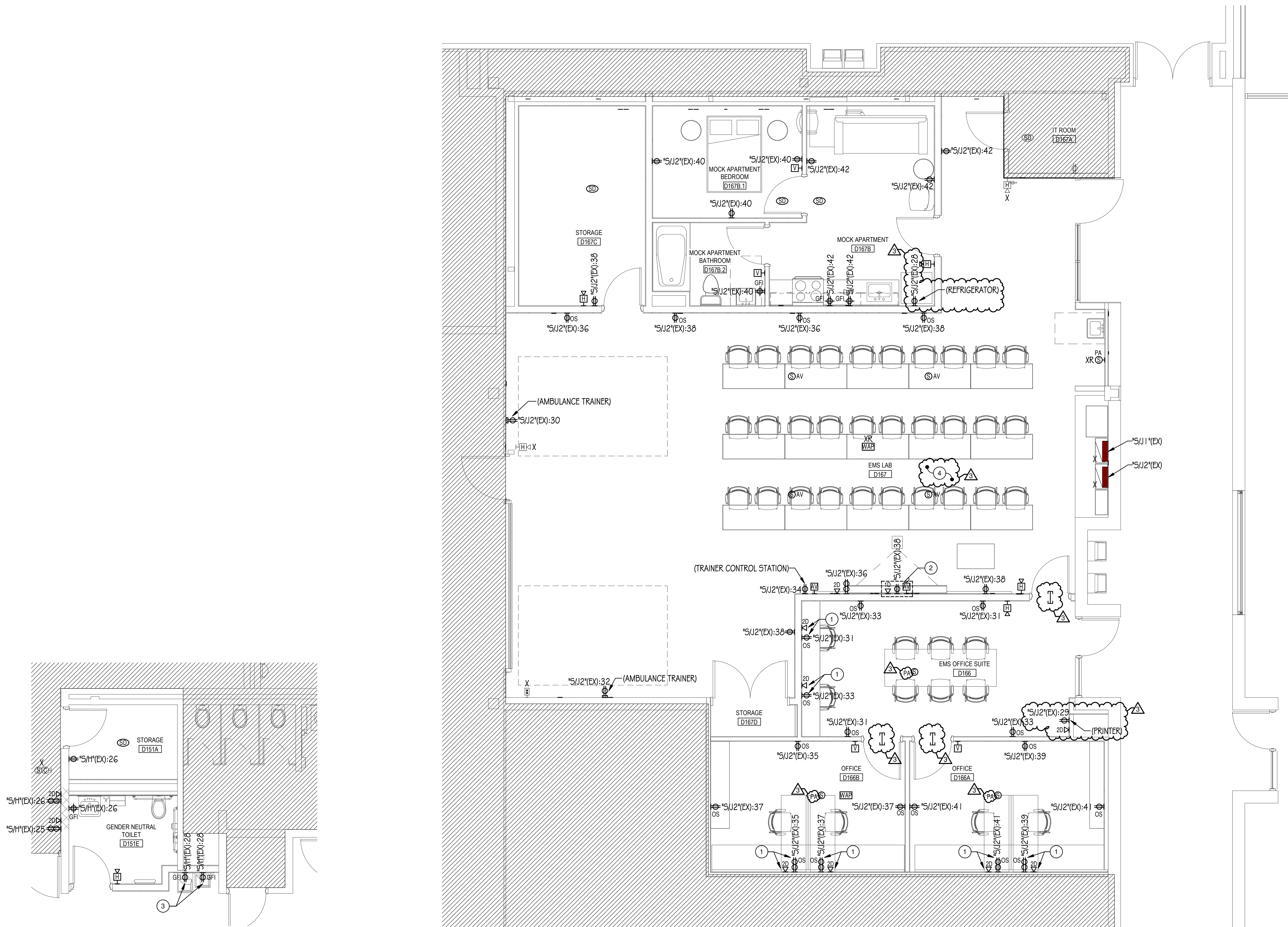
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3	Addendum #3	11/07/24

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ELECTRICAL PLANS

SHEET NUMBER:

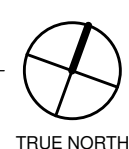
E1.11

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**ELECTRICAL PLAN - GENDER NEUTRAL TOILET
(ALTERNATE #2)**

1/4" = 1'-0"



ELECTRICAL PLAN - EMS

1/4" = 1'-0"





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McHenry County College
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SHEET TITLE:

ELECTRICAL PLANS

SHEET NUMBER:

E1.20

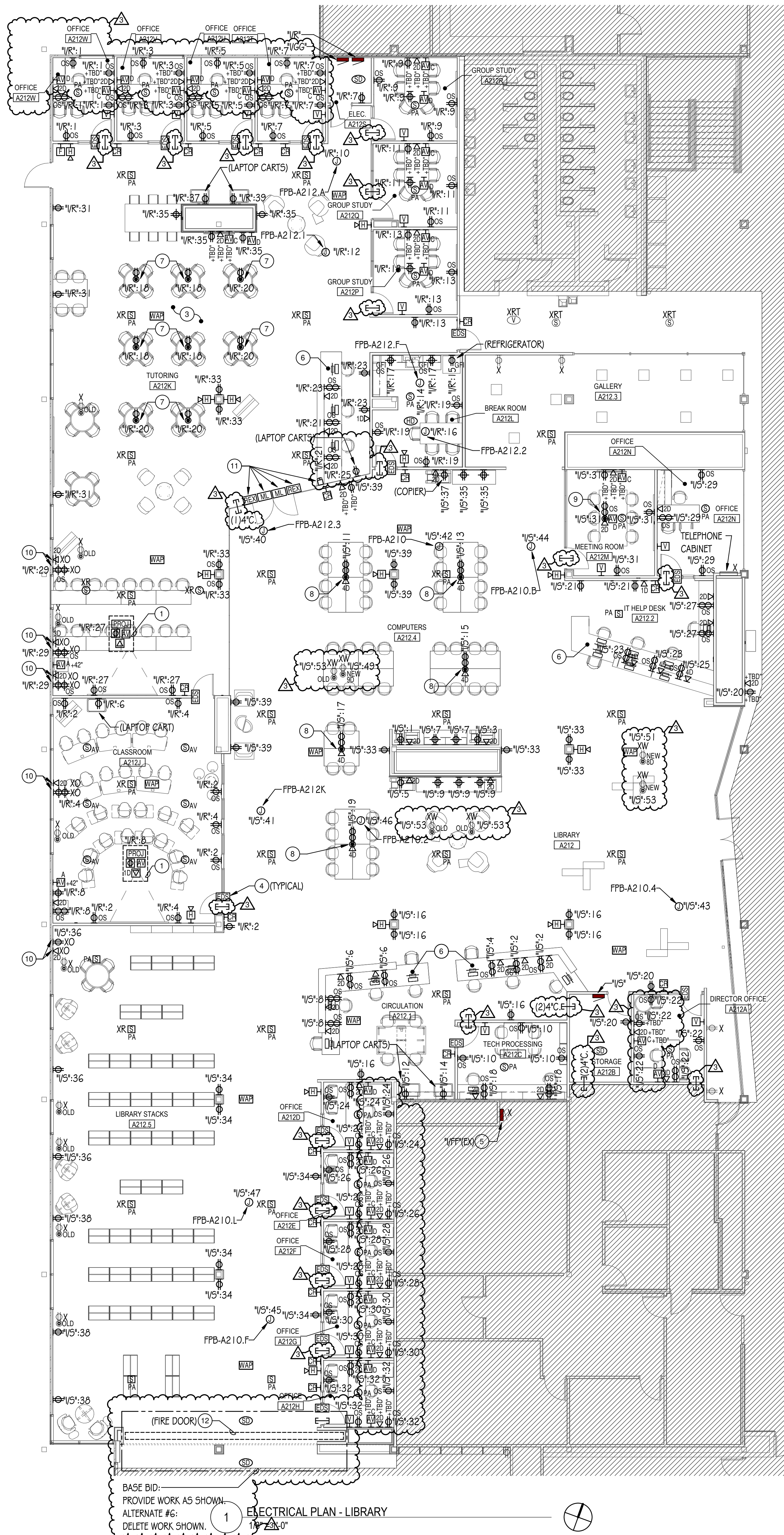
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DRAWING NOTES

1. DEVICES SHALL BE LOCATED INSIDE CEILING MOUNTED ENCLOSURE / PROJECTOR MOUNT. REFER TO ELECTRICAL DETAILS SHEET FOR ADDITIONAL INFORMATION.
2. NOT USED.
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 "VFF" 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 "V5". 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 #4ATC000. INCLUDE SURFACE STYLE COVER #4CTC000, 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 #6ATC2000. INCLUDE SURFACE STYLE COVER #6CTC2000, 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 #88REC, 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 CONDUCTORS/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.

GENERAL NOTES:

1. UNLESS INDICATED OTHERWISE, CONTRACTOR SHALL CHANNEL EXISTING DRYWALL AS REQUIRED TO CONCEAL CONDUITS AND RECESS MOUNTED JUNCTION BOXES FOR ELECTRICAL DEVICES. COORDINATE WALL PATCHING REQUIREMENTS WITH GENERAL TRADES CONTRACTOR. WHERE RECESS MOUNTING IS NOT FEASIBLE, INFORM ARCHITECT AND/OR GENERAL CONTRACTOR PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL CONFIRM EXACT FLOOR BOX LOCATION WITH THE ARCHITECT AND LOCATE/MARK ANY EXISTING UTILITIES IN AREA BY EMPLOYING SERVICE TO SCAN THE FLOOR SLAB. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGES TO EXISTING UTILITIES DUE TO SAWCUTTING.
3. REFER TO MECHANICAL PLANS FOR EXACT LOCATIONS OF THERMOSTAT/CARBON DIOXIDE DETECTORS. PROVIDE SINGLE GANG BACKBOX AND EMPTY 3/4" CONDUIT WITH PULL STRING STUBBED INTO AN ACCESSIBLE CEILING SPACE FOR INSTALLATION OF THERMOSTAT/CARBON DIOXIDE DETECTORS.



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-I-R-ELN	HLI DUAL-LITE, SIGNIFY CHLORIDE	I
	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-I-R-ELN	HLI DUAL-LITE, SIGNIFY CHLORIDE	I
	EM3	DUAL HEAD EMERGENCY LIGHTING UNIT WITH WHITE CONTEMPORARY THERMOPLASTIC ENCLOSURE	SURFACE/ WALL	LED	UNV	LITHONIA LIGHTING #ELM14-UVOULT-LTP-SDRT	HLI DUAL-LITE, SIGNIFY CHLORIDE	I

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 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.

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

[illegible]

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	HU 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	HU 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	HU 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	HU 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	HU COLUMBIA LIGHTING, SIGNIFY DAY-BRITE	1	
"F3A"	4" SQUARE LED DOWNLIGHT 1150 NOMINAL LUMENS	RECESSED	LED	277 V	9	USA1 LIGHTING #B45DF-09C3-40KS-50-S-WH-NC-UNV-DGE	HU PRESCOLITE, SIGNIFY LIGHTOLIER	1	
"F3B"	4" SQUARE LED DOWNLIGHT 1150 NOMINAL LUMENS	RECESSED	LED	277 V	9	USA1 LIGHTING #B45DM-09C3-40KS-50-S-NC-UNV-DGE	HU PRESCOLITE, SIGNIFY LIGHTOLIER	1	
"F3C"	4" SQUARE LED DOWNLIGHT 2400 NOMINAL LUMENS	RECESSED	LED	277 V	24	USA1 LIGHTING #B45DF-24C3-40KS-50-S-WH-NC-UNV-DGE	HU PRESCOLITE, SIGNIFY LIGHTOLIER	1	
"F3D"	4" SQUARE LED DOWNLIGHT 3025 NOMINAL LUMENS	RECESSED	LED	277 V	33	USA1 LIGHTING #B45DF-33C3-40KS-50-S-WH-NC-UNV-DGE	HU PRESCOLITE, SIGNIFY LIGHTOLIER	1	
"F3E"	4" SQUARE LED DOWNLIGHT 2400 NOMINAL LUMENS	RECESSED	LED	277 V	24	USA1 LIGHTING #B45DL-24C3-40KS-50-S-NC-UNV-DGE	HU PRESCOLITE, SIGNIFY LIGHTOLIER	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)0-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 750 LUMENS/FT	RECESSED	LED	277 V	33.2	PINNACLE LIGHTING #EVI-D-W-5640H0-4-G1-J-FSD-1-O-W	HU LITECONTR, SIGNIFY LEDALITE	1	
"F6"	2x2' FLAT PANEL LED	RECESSED	LED	277 V	41.8	LITHONIA LIGHTING #CPX-2X2-5000LM-80CRI-40K-SWL-MIN10-ZT-MVOLT	HU 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	PRIDENTIAL LIGHTING #BPRO3-REC-FLSH-LED4-MO-R47-TMW-PFL-P-SC-UNV-X1T-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	PRIDENTIAL LIGHTING #BPRO3-REC-FLSH-LED4-MO-R65-TMW-PFL-P-SC-UNV-X1T-DMO1-E-MC	FOCAL POINT, LUMENWERX	1,3,4	
"F8"	8' LED STRIP LIGHT, 8000 LUMENS	SURFACE	LED	277 V	51.1	LITHONIA LIGHTING #CLX-196-8000LM-SEF-RDL-MVOLT-GZ10-40K-80CRI-WH	HU COLUMBIA LIGHTING, SIGNIFY DAY-BRITE	-	
"F9A-3"	3'-0" LONG LINEAR LED 800 LUMENS/FT	SURFACE	LED	277 V	20.4	AXIS LIGHTING #PRSLED-800-80-35-S-5(3)-(FINISH)-UNV-DP-1-SB15	LUMENWERX	-	
"F9A-7"	7'-0" LONG LINEAR LED 800 LUMENS/FT	SURFACE	LED	277 V	47.5	AXIS LIGHTING #PRSLED-800-80-35-S-5(7)-(FINISH)-UNV-DP-1-SB15	LUMENWERX	-	
"F9A-8"	8'-0" LONG LINEAR LED 800 LUMENS/FT	SURFACE	LED	277 V	54.3	AXIS LIGHTING #PRSLED-800-80-35-S-8-(FINISH)-UNV-DP-1-SB15	LUMENWERX	-	
"F9A-10"	10'-0" LONG LINEAR LED 800 LUMENS/FT	SURFACE	LED	277 V	67.8	AXIS LIGHTING #PRSLED-800-80-35-S-5(10)-(FINISH)-UNV-DP-1-SB15	LUMENWERX	-	
"F9B-10"	20'-0" LONG LINEAR LED 1000 LUMENS/FT	SURFACE	LED	277 V	84.8	AXIS LIGHTING #PRSLED-1000-80-35-S-5(10)-(FINISH)-UNV-DP-1-S	LUMENWERX	-	
"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 #4269-15-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-400-80-40-50-S(17)-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" SECTIONS) WIRED TO EMERGENCY LIGHTING CIRCUIT. PROVIDE OPTIONS FOR SEPARATE ELECTRICAL FEEDS AS REQUIRED. REFER TO PLANS FOR QUANTITIES AND LOCATIONS.

GENERAL NOTES:

- CONTRACTOR TO PROVIDE NECESSARY MOUNTING HARDWARE AND LABOR FOR LUMINAIRES.
- LAY IN CEILING GRID LUMINAIRES SHALL BE FOR USE WITH STANDARD 15/16" GRID SYSTEM.
- 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.
- ALL FINISH COLORS AND COLOR TEMPERATURES TO BE CONFIRMED BY THE ARCHITECT.



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McHenry County College
2024 RENOVATIONS - BID PACKAGE 2

KEY PLAN

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

NO:	DESCRIPTION:	DATE:
1	Addendum #1	10/29/24
2	Addendum #2	11/01/24
3	Addendum #3	11/07/24

SHEET TITLE:

ELECTRICAL SCHEDULES

SHEET NUMBER

E4.00



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

11/7/2024 10:16:50 AM

3	R: OFFICE SUITE (PRINTER)	20 A	IP	29	600	28	1P 20 A R: MOCK APARTMENT (REF)	3
					600			

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.

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.