

# ADDENDUM

**PROJECT** Black Hawk County Courthouse Renovations

**PROJECT #** 23109

**OWNER** Black Hawk County

**DATE** January 19, 2024

**LETTING DATE** January 29, 2024

**ADDENDUM #** 1

## TO ALL HOLDERS OF DRAWINGS AND PROJECT MANUALS

This addendum is issued to incorporate the following changes in the drawings and project manual. For bids to be considered, this addendum must be acknowledged by so indicating on the Form of Bid.

Bidders shall make the following corrections or additions to the biddings documents. These items shall supersede, modify, and/or change all statements or drawings to the contrary in the drawings and project manual and shall take precedence over these documents. Bidders shall base their bid on the drawings and project manual and as modified by the changes herein stated.

### This addendum consist of (# of pages)

Text	Supplemental Drawings		Project Manual	Total Pages
	8.5" x 11"	30" x 42"		
7	-	12	-	19

## REVISIONS

### 1 General Items

#### Spec Changes

Item #	Sheet/ Section	Detail/ Paragraph	Attachment	Description of Change
1.01	n/a	n/a	Sign-in	See attached prebid sign-in sheet
1.02	n/a	n/a	n/a	Estimated construction cost is \$1,865,000
1.03	n/a	n/a	n/a	Bids will be received on Monday January 29 <sup>th</sup> at 2:00pm but will not be publicly opened until Tuesday January 30 <sup>th</sup> at the regularly scheduled Board of Supervisor meeting. Meeting starts at 9:00 and bid opening will follow shortly thereafter. You may attend in person or via Zoom call. The zoom link can be found on the agenda on their website.
1.04	n/a	n/a	n/a	Contractor will be allowed to place a dumpster on the concrete outside the 5 <sup>th</sup> street doors.
1.05	n/a	n/a	n/a	Employee background checks are not required for this project.
1.06	n/a	n/a	n/a	Standard business hours of the courthouse are 8:00am-4:30pm; Maintenance staff are available 6:30am-3:30pm. Contractors may work during these hours. Any shut down work may need to be scheduled outside of these hours.

## 2 Architectural

### Project Manual Changes

Item #	Sheet/ Section	Detail/ Paragraph	Attachment	Description of Change
2.01	00 20 00	Procurement and Contracting Requirements; page 11	n/a	EDIT Sealed bid proposals must be received no later than <u>2:00 p.m. on Monday, January 29, 2024</u> at the Black Hawk County Courthouse, Building Maintenance Dept., 316 E. 5th St., Rm. B41 (basement), Waterloo, IA. Each bid is to be clearly marked on the "Form of Bid" and submitted in a sealed envelope clearly marked "Bid Proposal for Courthouse Renovations Project – Black Hawk County, IA."
2.02	09 51 00	Acoustical Ceilings / 2.02.A.6 Products	n/a	EDIT: Armstrong World Industries, Inc; Dune 1774: <a href="http://www.armstrongceilings.com">www.armstrongceilings.com</a> .
2.03	10 14 00	Signage	n/a	DELETE Interior directional and informational signs, Emergency evacuation maps & Dimensional letters from this section. Not required.

## 3 Architectural

### Drawing Changes

Item #	Sheet/ Section	Detail/ Paragraph	Attachment	Description of Change
3.01	A4.01	INTERIOR ELEVATIONS	A4.01	EDIT: Coiling door detail 9/A4.01
3.02	A5.01	DETAILS	A5.01	EDIT: Elevations 7 & 8/A5.01 to add dimensions for coiling doors.
3.03	A7.01	Finish Schedule	n/a	EDIT: ACT1 style to read " Dune 1774" in lieu of Ultima 1911.

**4 MEPT – see attachment with MODUS titleblock noted "Addendum #1".**

**5 Substitution Requests – no changes.**

**End of Addendum**

**Submitted By**



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Tim Turnis, AIA

Courthouse Renovations			
PROJECT:	Black Hawk County	PROJECT NUMBER:	23-142
		DATE:	January 19, 2024

NOTE { THIS ADDENDUM HAS BEEN ISSUED TO MODIFY AND/OR INTERPRET THE BIDDING DOCUMENTS, INCLUDING THE DRAWINGS AND SPECIFICATIONS. UNLESS OTHERWISE INSTRUCTED, THE INFORMATION CONTAINED ON THE ADDENDUM SHALL TAKE PRECEDENCE OVER ANYTHING CONTRARY ON THE ORIGINAL BIDDING DOCUMENTS AND SHALL BE HEREINAFTER CONSIDERED AS A PARTY OF THE BIDDING DOCUMENTS.

## SPECIFICATIONS

### SECTION 23 3600 AIR TERMINAL UNITS

1. **ADD.** Part 3.01.F. "Low voltage wiring must be run in raceway in exposed locations and non-accessible ceiling and wall areas. In concealed but accessible locations, control wiring must be in cable tray where available. Where cable tray is not available, low voltage control wiring must be neatly routed parallel and perpendicular to the building lines above accessible ceilings and grouped using D-rings. Use type CL2P (plenum) cable for all wiring and cables not in enclosed raceway. No raceway may be installed in view of occupants except in mechanical and electrical utility rooms."

### SECTION 26 0 50 BASIC ELECTRICAL REQUIREMENTS.

1. **DELETE** 1.03(H).
2. **ADD.** 1.28 Allowance to read "Include a \$10,000.00 allowance in the bid amount for re-supporting of existing cabling during the construction period. Changes shall be priced prior to proceeding with the work. Any amount left over at the conclusion of the project shall be deducted from the contractor's last payment application.

### SECTION 26 09 43 DIGITAL LIGHTING CONTROL SYSTEMS

1. **CLARIFY.** Existing lighting control system is nLight. Provide nLight equivalents to the Sensorswitch devices called out for in this section.

### SECTION 27 0 50 BASIC COMMUNICATION REQUIREMENTS.

1. **DELETE** 1.04(H).

### SECTION 28 0 50 BASIC ELECTRONIC SAFETY AND SECURITY REQUIREMENTS.

1. **DELETE** 1.03(H).

### SECTION 28 31 00 FIRE DETECTION AND ALARM (EXISTING/REMODELING)

1. **CLARIFY.** Fire Alarm work indicated in this specification section and on the drawings is for reference only. New fire alarm work is to be done by owner's fire alarm contractor as a separate project. Electrical contractor is responsible for protecting the existing devices only and coordinating with the owner's fire alarm contractor during the construction process.

## PLANS

### SHEET M50 I MECHANICAL SCHEDULES

1. Plumbing Fixture Schedule
  - A. **ADD.** Murdock for approved equals on EWC-1.
2. Plumbing Fixture Trim Schedule
  - A. **REVISE.** Approved equals for WCFV-1 shall read, 'Sloan' in lieu of 'Zurn'.

### SHEET ED I .0 I BASEMENT ELECTRICAL DEMOLITION PLAN

1. **REVISE.** Existing 2x2 and 2x4 lighting that meets the owner's standard Lithonia troffers are to be salvaged and reused. Refer to reissued sheets for more information and revised referenced notes.

## SHEET ED1.1 | FIRST FLOOR ELECTRICAL DEMOLITION PLAN

1. **REVISE.** Existing 2x2 and 2x4 lighting that meets the owner's standard Lithonia troffers are to be salvaged and reused. Refer to reissued sheets for more information and revised referenced notes.
2. **REVISE** outlet shown on column near panel L-8 shall to be tagged ER in lieu of EX.

## SHEET ED1.2 | SECOND FLOOR ELECTRICAL DEMOLITION PLAN

1. **REVISE.** Existing 2x2 and 2x4 lighting that meets the owner's standard Lithonia troffers are to be salvaged and reused. Refer to reissued sheets for more information and revised referenced notes.

## SHEET E1.01 BASEMENT ELECTRICAL PLAN

1. Basement Electrical Plan - Office Specialists
  - A. **ADD.** Two Quad receptacles serving new IT Rack location. Circuit quad receptacles to a new 20A-1P breaker in panel L-3.
2. Basement Electrical Plan – Attorney Admin
  - A. **CLARIFY.** Show location of existing panel.

## SHEET E2.01 BASEMENT LIGHTING PLAN

1. **REVISE.** Revise lighting layout and quantities to account for existing to be reused fixtures.

## SHEET E2.02 FIRST FLOOR LIGHTING PLAN

1. **REVISE.** Revise lighting layout and quantities to account for existing to be reused fixtures.

## SHEET E2.03 SECOND FLOOR LIGHTING PLAN

1. **REVISE.** Revise lighting layout and quantities to account for existing to be reused fixtures.

## SHEET E6.1 | ELECTRICAL SCHEDULES

1. Lighting Fixture Schedule (Applicable to all types)
  - A. **REVISE.** BABAA compliancy is not required. Fixture just needs to be indicated as Made in America.
2. Lighting Fixture Schedule – Type EA & EB
  - A. **ADD.** Lithonia lighting as an engineer approved equal.

## SHEET T1.01 BASEMENT LOW VOLTAGE PLAN

1. **CLARIFY.** Fire Alarm work indicated on the drawings is for reference only. New fire alarm work is to be done by owner's fire alarm contractor as a separate project. Electrical contractor is responsible for protecting the existing devices only and coordinating with the owner's fire alarm contractor during the construction process.
2. Conference 080B
  - A. **ADD.** WAP location and reference note 2.
3. Circulation 026
  - A. **ADD.** WAP location and reference note 2.
4. Clerks of Courts Storage
  - A. **ADD.** Owner provided network panel.
5. Office Specialists 053
  - A. **ADD.** Owner provided rack, TGB, and reference note 4.

## SHEET T1.1 | 1ST FLOOR LOW VOLTAGE

1. **CLARIFY.** Fire Alarm work indicated on the drawings is for reference only. New fire alarm work is to be done by owner's fire alarm contractor as a separate project. Electrical contractor is responsible for protecting the existing devices only and coordinating with the owner's fire alarm contractor during the construction process.
2. Treas. Work Stations
  - A. **REVISE.** WAP location and associated reference note 2.
3. Trans 101
  - A. **ADD.** Two (2) data locations. Refer to revised drawing for clouded location.



SHEET T1.21 2ND FLOOR LOW VOLTAGE PLAN

1. **CLARIFY.** Fire Alarm work indicated on the drawings is for reference only. New fire alarm work is to be done by owner's fire alarm contractor as a separate project. Electrical contractor is responsible for protecting the existing devices only and coordinating with the owner's fire alarm contractor during the construction process.
2. Elections Work 230
  - A. **REVISE.** Two (2) WAP locations and associated reference note 2.

**VENDOR APPROVALS**

NO VENDOR APPROVALS ARE INCLUDED IN THIS ADDENDUM.

**ATTACHMENTS**

SHEET ED1.01 BASEMENT ELECTRICAL DEMOLITION PLAN... (30 x 42)  
 SHEET ED1.11 FIRST FLOOR ELECTRICAL DEMOLITION PLAN... (30 x 42)  
 SHEET ED1.21 SECOND FLOOR ELECTRICAL DEMOLITION PLAN... (30 x 42)  
 SHEET E1.01 BASEMENT ELECTRICAL PLAN... (30 x 42)  
 SHEET E2.01 BASEMENT LIGHTING PLAN... (30 x 42)  
 SHEET E2.02 FIRST FLOOR LIGHTING PLAN... (30 x 42)  
 SHEET E2.03 SECOND FLOOR LIGHTING PLAN... (30 x 42)  
 SHEET T1.01 BASEMENT LOW VOLTAGE PLAN... (30 x 42)  
 SHEET T1.11 1ST FLOOR LOW VOLTAGE... (30 x 42)  
 SHEET T1.21 2ND FLOOR LOW VOLTAGE PLAN... (30 x 42)  
 TOTAL PAGES... 13

# SIGN-IN SHEET

PROJECT	BHC Courthouse Renovations	PROJECT #	23109
OWNER	Black Hawk County	DATE	1.15.2024
MEETING #	n/a	LOCATION	BHC Courthouse
SUBJECT	Prebid Mtg		

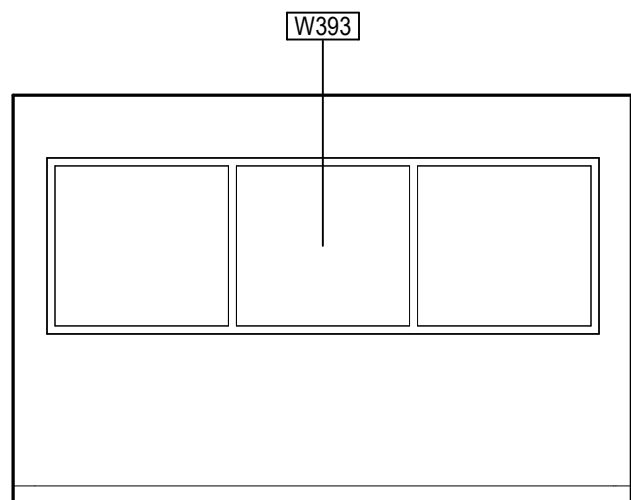
## ATTENDEES

P	NAME	REPRESENTING	EMAIL/CONTACT INFO
<input checked="" type="checkbox"/>	Tim Turnis	INVISION	<a href="mailto:timt@invisionarch.com">timt@invisionarch.com</a>
<input checked="" type="checkbox"/>	Angie Nees (main contact)	INVISION	<a href="mailto:angien@invisionarch.com">angien@invisionarch.com</a>
<input checked="" type="checkbox"/>	Maggie Talbott-Malone	INVISION	<a href="mailto:maggiem@invisionarch.com">maggiem@invisionarch.com</a>
<input checked="" type="checkbox"/>	Jake Connor	MODUS	<a href="mailto:jconnor@modus-eng.com">jconnor@modus-eng.com</a>
<input checked="" type="checkbox"/>	David Jordan	MODUS	<a href="mailto:djordan@modus-eng.com">djordan@modus-eng.com</a>
<input checked="" type="checkbox"/>	Aaron Oltmann	MODUS	<a href="mailto:aoltmann@modus-eng.com">aoltmann@modus-eng.com</a>
<input checked="" type="checkbox"/>	Rory Geving	Black Hawk County	<a href="mailto:rgeving@blackhawkcounty.iowa.gov">rgeving@blackhawkcounty.iowa.gov</a>
<input checked="" type="checkbox"/>	Carol Cornelius	Black Hawk County	<a href="mailto:ccornelius@blackhawkcounty.iowa.gov">ccornelius@blackhawkcounty.iowa.gov</a>
<input type="checkbox"/>	Logen Conary	Cardinal construction	<a href="mailto:Lconary@CardinalConst.com">Lconary@CardinalConst.com</a>
<input type="checkbox"/>	DARRIN GILLET	PETERS CONSTRUCTION	<a href="mailto:dgillett@peters.build">dgillett@peters.build</a>
<input type="checkbox"/>	Tim Jones	Artisan e/s	<a href="mailto:Tim@ArtisanCeilings.com">Tim@ArtisanCeilings.com</a>
<input type="checkbox"/>	Ryan Hendricks	Henninger Electric	<a href="mailto:ryanh@henningerelectric.com">ryanh@henningerelectric.com</a>
<input type="checkbox"/>	Jeff Koch	N.B. Koch G.C.	<a href="mailto:nbkoch0323@gmail.com">nbkoch0323@gmail.com</a>
<input type="checkbox"/>	Brian Delvries	K+W	<a href="mailto:bdelvries@k-wellectric.com">bdelvries@k-wellectric.com</a>
<input type="checkbox"/>	Rob Chiappone	Young Plc	<a href="mailto:rob@young-phc.com">rob@young-phc.com</a>
<input type="checkbox"/>	Ross Samel	Hawkeye Alarm	<a href="mailto:Ross@hawkeyeAlarm.com">Ross@hawkeyeAlarm.com</a>
<input type="checkbox"/>	Austin Jackson	Iowa Wall Systems	<a href="mailto:Austin@iowa.wallsystems.com">Austin@iowa.wallsystems.com</a>
<input type="checkbox"/>	Mike Peters	Sieben Elec	<a href="mailto:siebenelec@siebenelectric.com">siebenelec@siebenelectric.com</a>
<input type="checkbox"/>	Nate Hurden	Woodruff Const	<a href="mailto:nateh@woodruff.build">nateh@woodruff.build</a>
<input type="checkbox"/>	Brock Lukefahr	Larson Construction	<a href="mailto:bids@larsonconst.com">bids@larsonconst.com</a>
	Joe Tripp-Ricks	Faylor Hurley	<a href="mailto:jtripprieks@faylorhurley.com">jtripprieks@faylorhurley.com</a>

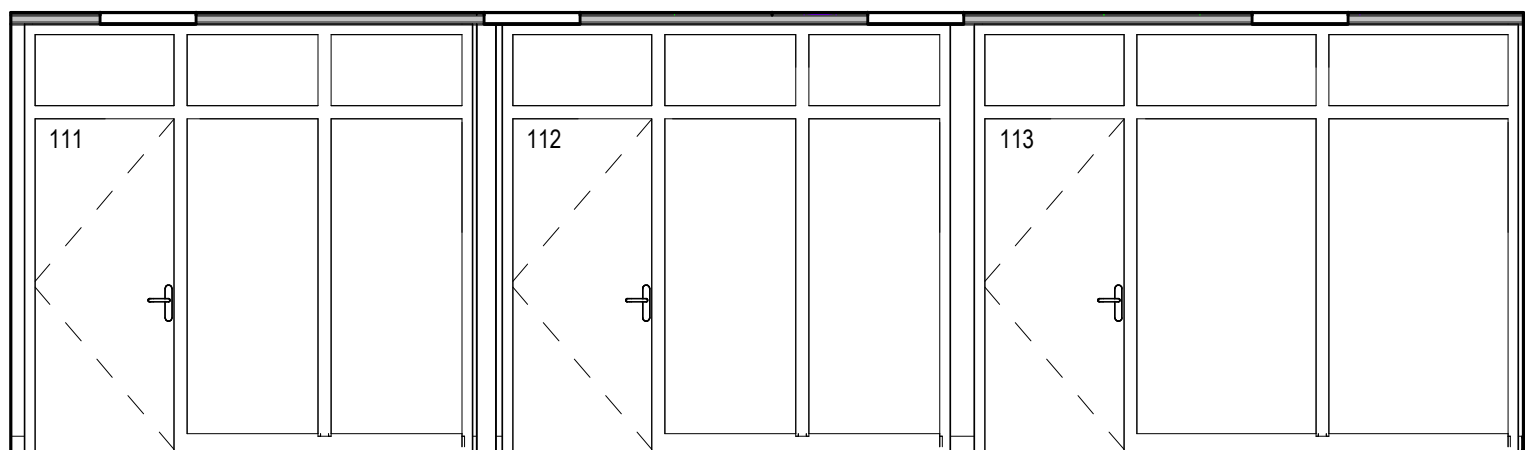
INVISION



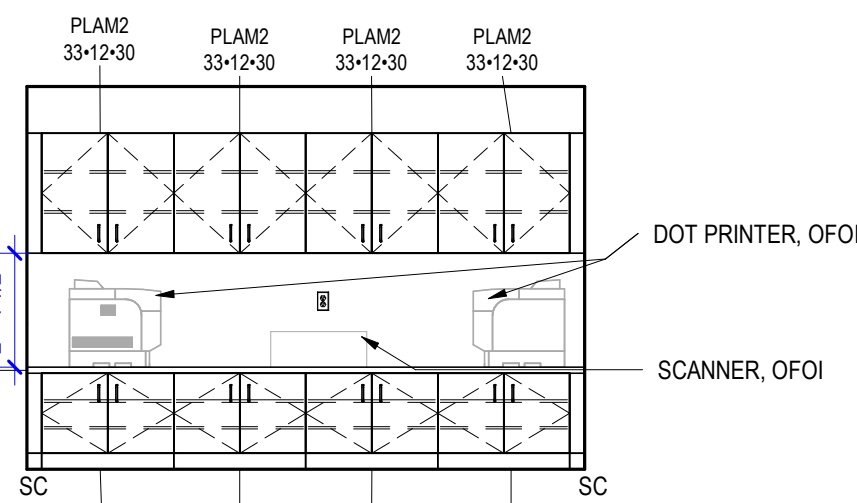
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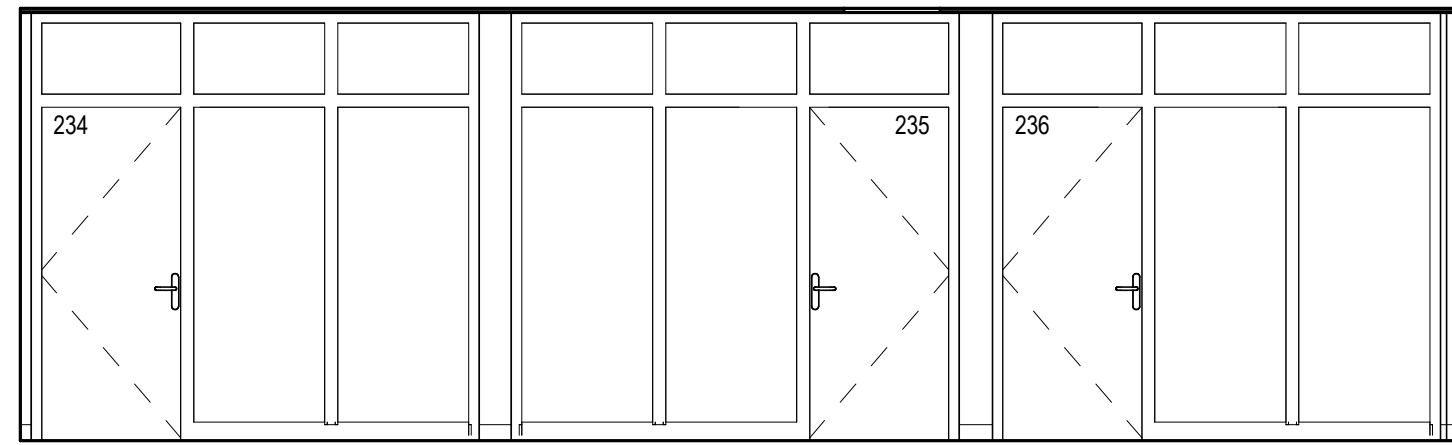
5 PAYROLL MANAGER - WINDOW  
1/4" = 1'-0"



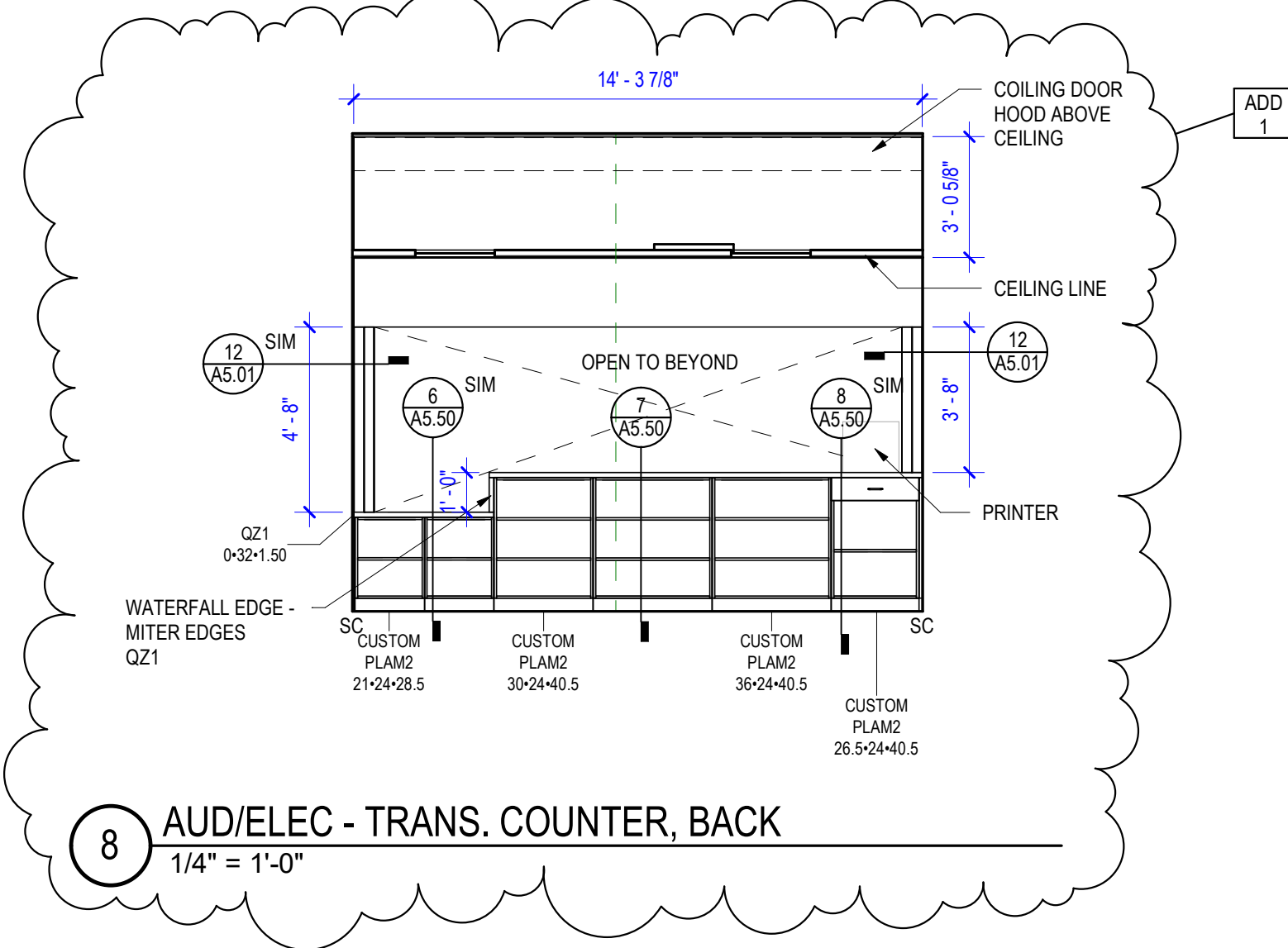
4 TREASURER'S OFFICE - OPENING  
1/4" = 1'-0"



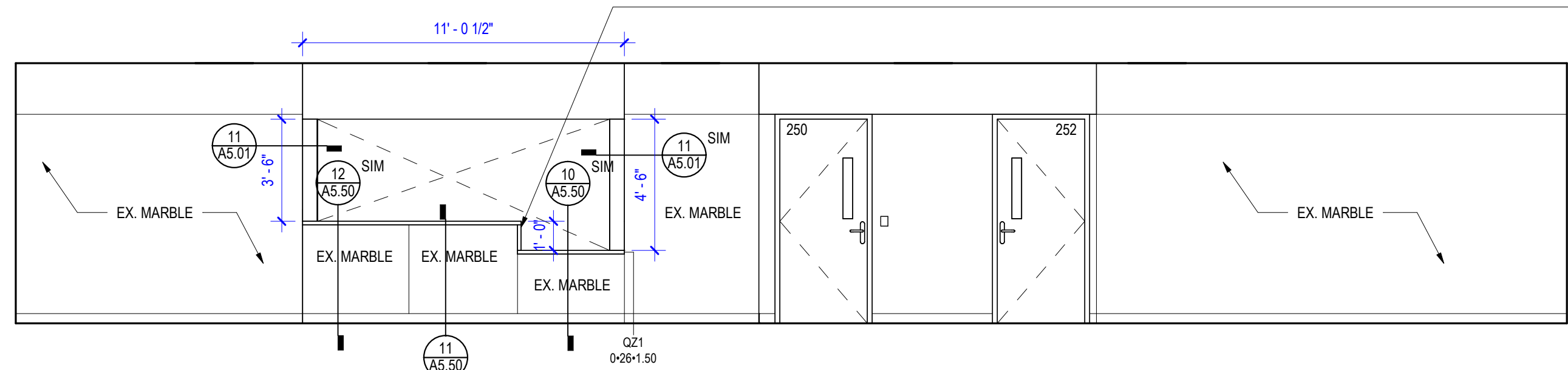
3 TREAS. - WORK/STORAGE  
1/4" = 1'-0"



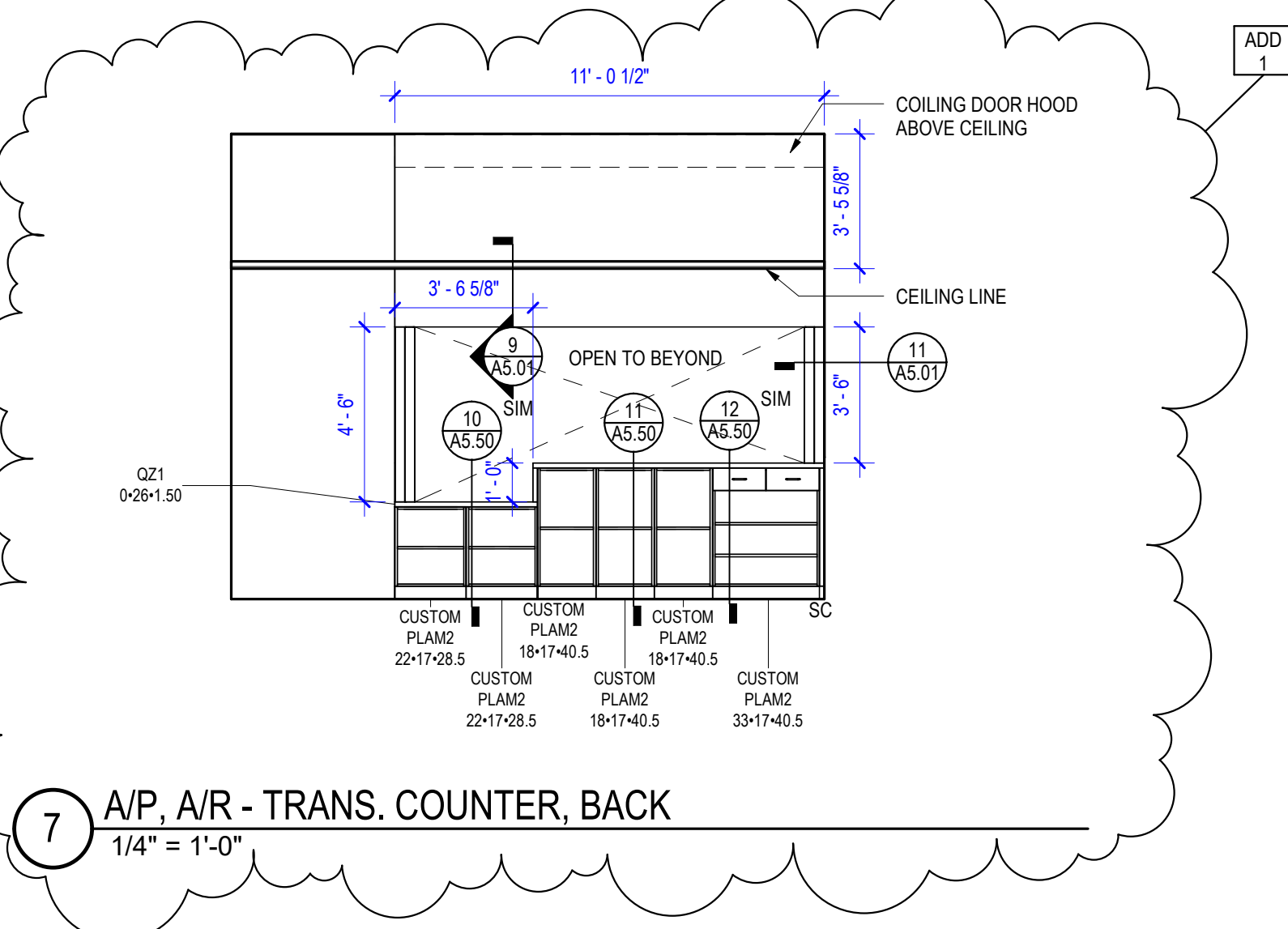
9 REAL ESTATE/ AUDTIOR/ ELECTION OFFICE - OPENINGS  
1/4" = 1'-0"



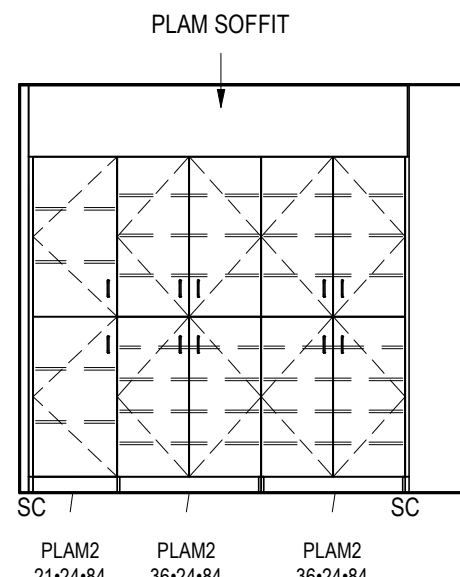
8 AUD/ELEC - TRANS. COUNTER, BACK  
1/4" = 1'-0"



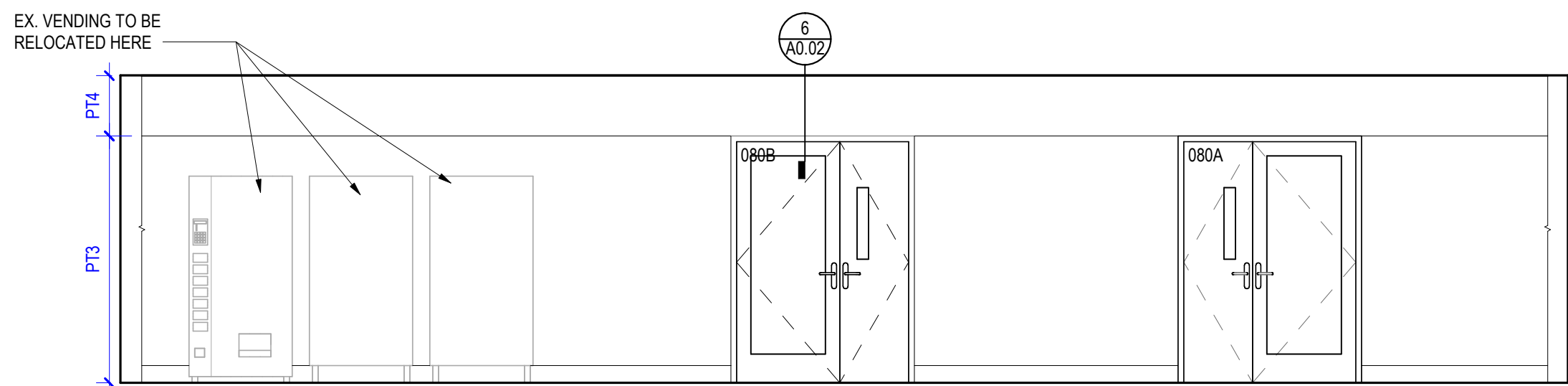
10 2ND FLOOR - SOUTH CORRIDOR  
1/4" = 1'-0"



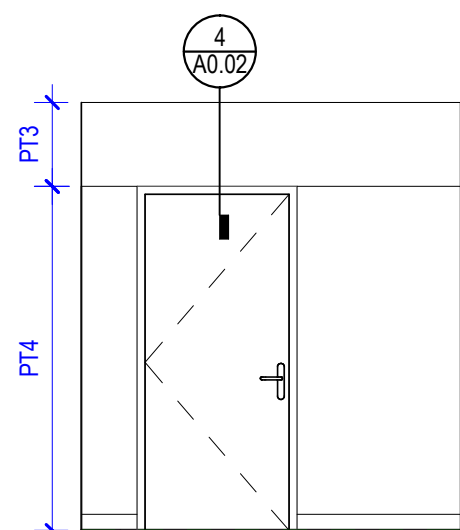
7 A/P, A/R - TRANS. COUNTER, BACK  
1/4" = 1'-0"



6 A/P STORAGE - ENTRANCE  
1/4" = 1'-0"



2 BSMNT. - CORRIDOR  
1/4" = 1'-0"



1 BSMNT. - MOTHER'S ROOM ENTRY  
1/4" = 1'-0"

## GENERAL INTERIOR ELEVATION NOTES:

- REFER TO ADDITIONAL NOTES AND REQUIREMENTS ON ALL OTHER DOCUMENTS, OTHER DISCIPLINES AND SPECIFICATIONS.
- ALL PLUMBING FIXTURES SHOWN ON THIS SHEET IS PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO PLUMBING DOCUMENTS FOR SPECIFIC DESIGN INFO.
- ALL REST ROOMS, FIXTURES & ACCESSORIES SHALL BE COMMERCIAL GRADE AND SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.
- PROVIDE ADEQUATE BLOCKING FOR ALL REST ROOM FIXTURES, EQUIPMENT AND WALL MOUNTED ITEMS.
- ELECTRICAL OUTLETS AND COMMUNICATION RECEPTACLES SHOWN ON ARCHITECTURAL DRAWINGS DO NOT INCLUDE THE ENTIRE SCOPE OF WORK AND ARE SHOWN WHERE THERE MAY BE COORDINATION ISSUES WITH OTHER WORK. FOR FURTHER CLARIFICATION, CONSULT ELECTRICAL DRAWINGS.

## GENERAL MILLWORK NOTES:

CASEWORK TAG	COUNTERTOP TAG
CUSTOM SIZE CUSTOM MATERIAL PLAM1* 1/2" LOOK INDICATOR 24" 24" 34.5" SIZE: W-D-H	PLAM1 MATERIAL 4" 25" 1.50" COUNTERTOP THICKNESS COUNTERTOP SIZE: D BACKSPLASH SIZE: H

- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION OF NEW CONSTRUCTION. NOTIFY ARCHITECT OF FIELD DISCREPANCIES.
- ALL FASTENERS TO BE CONCEALED UNLESS OTHERWISE NOTED.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS, SPECIFICATION AND EXISTING FIELD CONDITIONS.
- PROVIDE ADEQUATE BLOCKING FOR ALL CABINETS, FIXTURES, AND EQUIPMENT.
- ALL EXPOSED AND SEMI-EXPOSED SURFACES TO RECEIVE FINISHED EDGES/PANELS TO MATCH ADJACENT SURFACES.
- ALL EXPOSED WOOD TO BE SEALED PER FINISH SCHEDULE AND SPECIFICATION.
- ALL EXPOSED STEEL TO BE PAINTED PER FINISH SCHEDULE AND SPECIFICATION.
- SEE FINISH SCHEDULE FOR ALL PLAM SELECTIONS.

## INVISION

501 Sycamore Street  
Suite 101  
Waterloo, IA 50703  
319.233.8419  
319.233.9772 Fax  
www.invisionarch.com

CONSULTANT:  
MEPT+E ENGINEER  
MODUS

REVISIONS:	Description	Date	No.
ADD 1		01.19.2024	1

OWNER SIGN-OFF:

DATE NAME

BLACK HAWK COUNTY  
COURTHOUSE RENOVATIONS  
316 E 5th Street, Waterloo, IA 50703

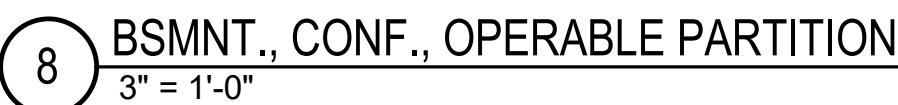
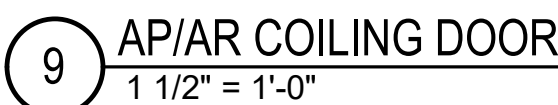
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23109  
DATE:  
JANUARY 4, 2024  
SHEET SET:  
BID DOCUMENTS

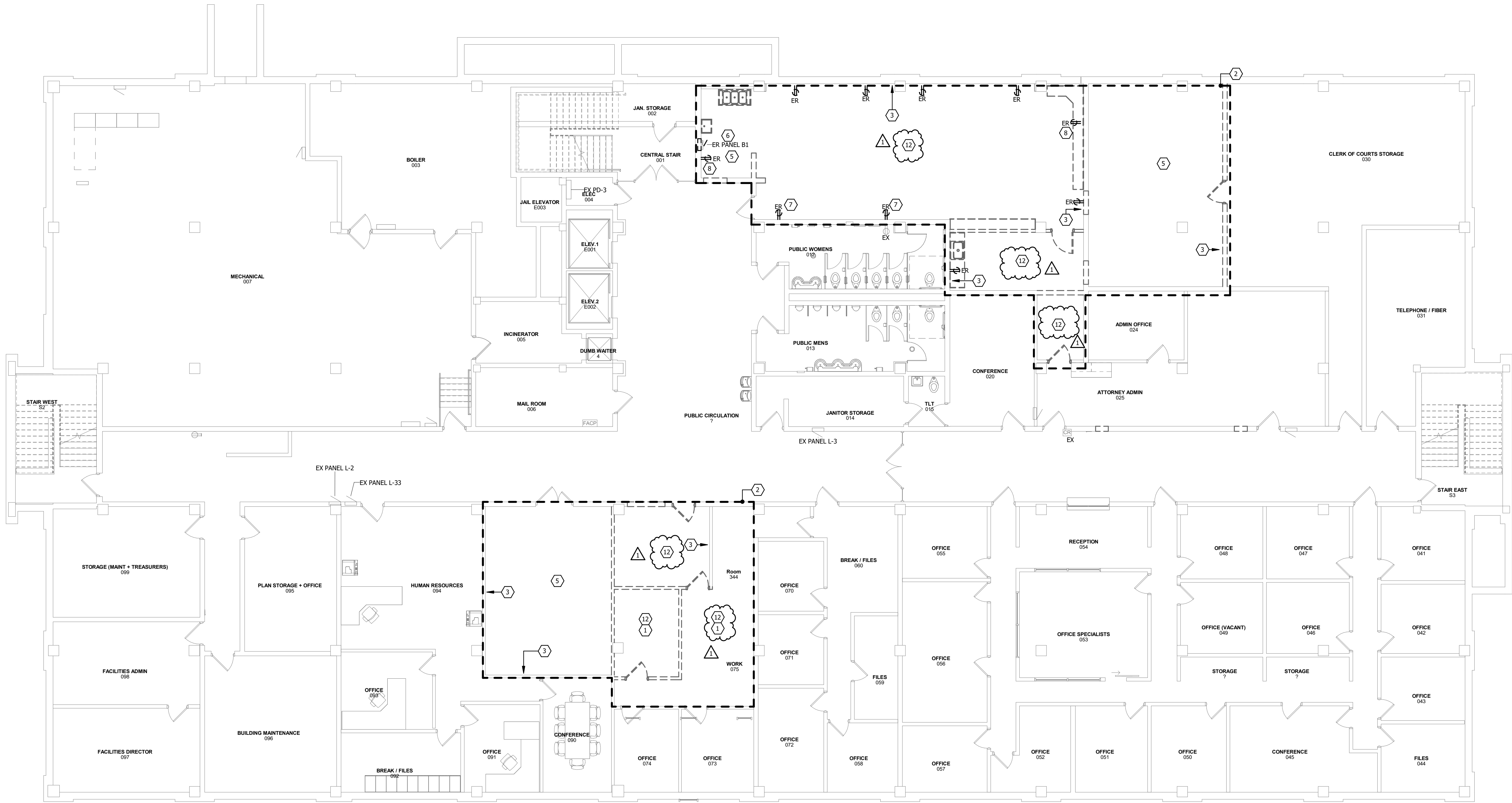
SHEET NAME:  
INTERIOR ELEVATIONS

SHEET:  
A4.01

THIS SHEET MUST BE PRINTED IN COLOR TO VIEW CONTENT PROPERLY







1 BASEMENT POWER DEMOLITION PLAN  
1/8" = 1'-0"

DEMOLITION GENERAL NOTES:

- REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWINGS SET REGARDING ALTERNATES ON THE PROJECT.
- REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWING SET FOR SPECIFIC PHASING REQUIREMENTS.
- DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
- ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL MECHANICAL EQUIPMENT TO BE REMOVED.
- MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
- EXISTING ELECTRICAL SYSTEMS LOCATED IN WALLS AND CHASES NOT BEING REMOVED OR REUSED FOR NEW SYSTEMS MAY BE ABANDONED IN PLACE. CAP AT MAINS OR IN A CONCEALED LOCATION IF REQUIRED.
- REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.
- EXTERIOR FREE-STANDING ELECTRICAL AND MECHANICAL DEVICES NOT BEING REUSED SHALL BE REMOVED UNDER BASE BID UNLESS OTHERWISE NOTED. PATCH OPENING TO MATCH SURROUNDING SURFACES.
- ELECTRICAL CONTRACTOR SHALL RECESS ALL DEVICES/ EQUIPMENT FLUSH IN EXISTING WALLS AND CUT AND PATCH TO MATCH EXISTING. COORDINATE WITH GENERAL CONTRACTOR.

DEMOLITION REFERENCED NOTES: ⑦

- REMOVE ALL LIGHTING, RECEPTACLES AND OTHER ELECTRICAL DEVICES UNLESS NOTED OTHERWISE OR NECESSARY FOR THE OPERATION OF DEVICES OUTSIDE THE SCOPE OF REMODELING. REMOVE ASSOCIATED CONDUCTORS AND RACEWAY COMPLETELY.
- DASHED LINES ARE INDICATING RENOVATION AREA. AREAS OUTSIDE OF DASH LINES ARE TO REMAIN EXISTING UNLESS OTHERWISE INDICATED OR REQUIRED TO SERVE DEVICES LOCATED IN RENOVATION AREA.
- REMOVE ALL WALL DEVICES INCLUDING THOSE INDICATED AND ASSOCIATED CONDUCTORS AND RACEWAY.
- LIGHTING AND CONTROLS IN THIS AREA TO REMAIN. REMOVE AND REINSTALL LIGHTING AS REQUIRED TO ACCOMMODATE ARCHITECTURAL AND MECHANICAL WORK.
- REMOVE ALL LIGHTING AND CONTROLS IN THIS AREA. REFER TO LIGHTING PLAN FOR PLAN FOR NEW LIGHTING CONTROLS AND DEMO CONTROLS IF REQUIRED.
- ELECTRICAL PANEL SHALL BE REMOVED AND CIRCUITS TO REMAIN SHALL BE INTERCEPTED, SPLICED AND REFEED TO NEW PANEL LOCATION. REFER TO ELECTRICAL PLANS FOR NEW LOCATION OF PANEL. CIRCUIT SPLICING SHALL BE AS FOLLOWS:
  - PANEL B1 CIRCUITS FED TO NEW PANEL B1 LOCATION
  - PANEL L5 AND L6 CIRCUITS SHALL BE FED TO NEW PANEL L5 LOCATION
  - PANEL L7 AND L8 CIRCUITS SHALL BE FED TO NEW PANEL L8 LOCATION
  - PANEL L10 CIRCUITS SHALL BE FED TO NEW PANEL L10
  - PANEL L11 CIRCUITS SHALL BE FED TO NEW PANEL L11
- REMOVE EXISTING DEVICE AND ASSOCIATED CONDUCTORS COMPLETELY. EXISTING CONDUIT AND BACKBOX MAY BE REUSED WHERE IN GOOD CONDITION AND MEETS CURRENT CODES. PULL NEW WIRE AND REGROUP RECEPTACLES AS INDICATED.
- REMOVE WALL DEVICE AND ASSOCIATED CONDUCTORS AND RACEWAY COMPLETELY. DEVICES REMOVED IN EXISTING BLOCK WALL SHALL BE PROVIDED WITH BLANK COVERPLATE.
- ELECTRICAL CONTRACTOR SHALL REMOVE ALL CONDUCTORS SERVING IN-FLOOR RACEWAY/CORRIDORS AND EXISTING FLOOR BOXES COMPLETELY. IN-FLOOR RACEWAY AND ASSOCIATED CONDUIT MAY BE ABANDONED COMPLETELY WHERE IT DOES NOT CONFLICT WITH NEW CONSTRUCTION. FLOORBOXES SHALL BE PATCHED COMPLETELY. COORDINATE WITH GENERAL CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL REMOVE POWER POLE AND ALL ASSOCIATED CONDUCTORS AND RACEWAY COMPLETELY.
- NO WORK IN RESTROOMS UNDER BASE BID. RESTROOMS WORK UNDER ALTERNATE BID #1 ONLY.
- CONTRACTOR SHALL SALVAGE AND SHRELY STORE EXISTING 2' X 4' FIXTURES WHERE FIXTURES ARE DEEMED IN GOOD CONDITION AND REINSTALL THEM IN NEW LOCATIONS SHOWN ON THE LIGHTING PLAN AND TAGGED EXR. COORDINATE QUANTITY OF FIXTURES TO SALVAGE PRIOR TO CONSTRUCTION. CLEAN FIXTURES PRIOR TO REINSTALLATION.

REVISIONS:	Description	Date	No.
ADD #1		1/19/2024	1

OWNER SIGN-OFF:  
DATE NAME

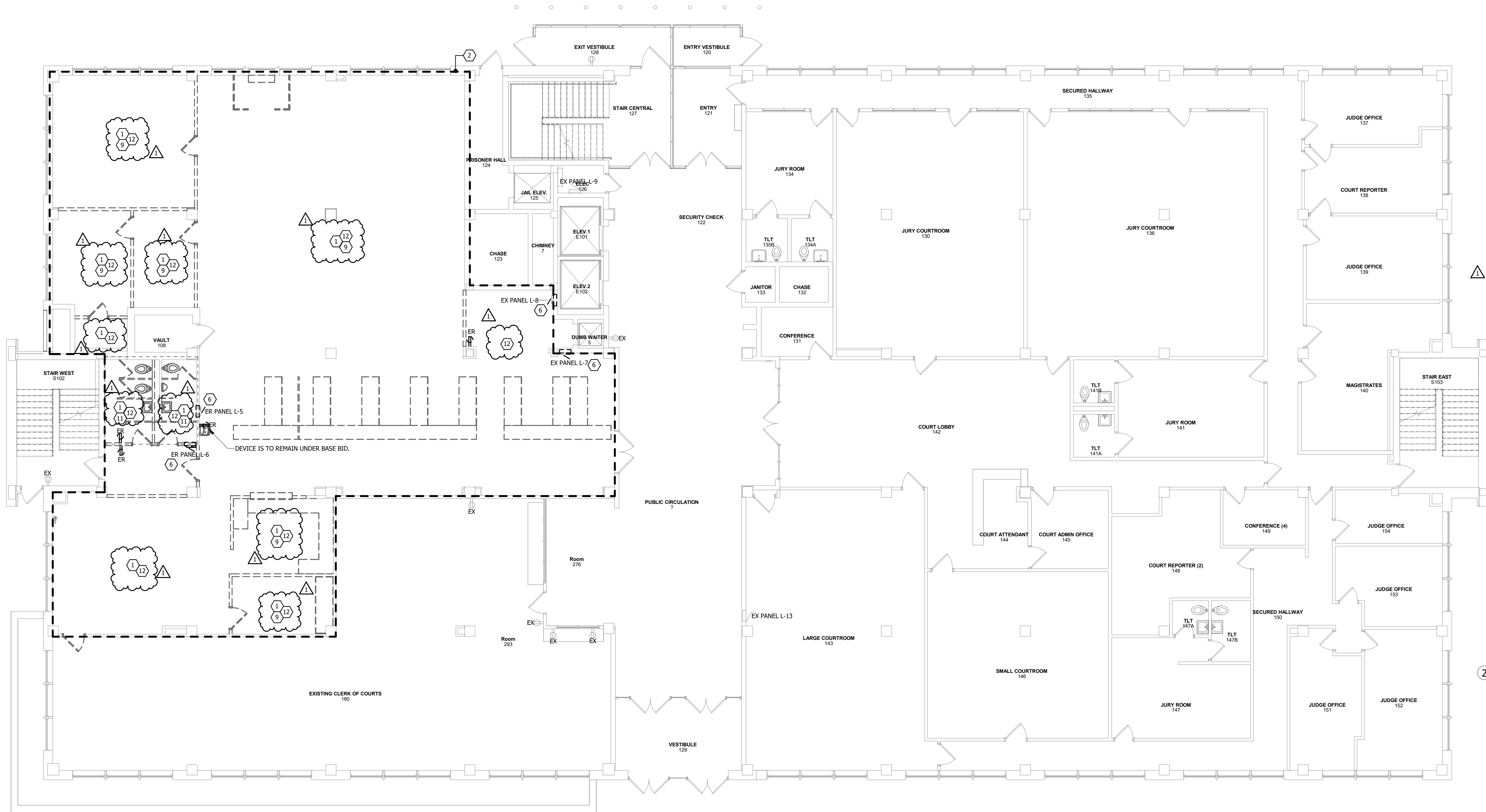


DEMOLITION GENERAL NOTES:

- A. REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWINGS SET REGARDING ALTERNATES ON THE PROJECT.
- B. REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWING SET FOR SPECIFIC PHASING REQUIREMENTS.
- C. DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
- D. ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- E. REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- F. REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL MECHANICAL EQUIPMENT TO BE REMOVED.
- G. MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
- H. EXISTING ELECTRICAL SYSTEMS LOCATED IN WALLS AND CHASES NOT BEING REMOVED OR REUSED FOR NEW SYSTEMS MAY BE ABANDONED IN PLACE. CAP AT MAINS OR IN A CONCEALED LOCATION IF REQUIRED.
- I. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.
- J. EXTERIOR FREE-STANDING ELECTRICAL AND MECHANICAL DEVICES NOT BEING REUSED SHALL BE REMOVED UNDER BASE BID UNLESS OTHERWISE NOTED. PATCH OPENING TO MATCH SURROUNDING SURFACES.
- K. ELECTRICAL CONTRACTOR SHALL RECESS ALL DEVICES/ EQUIPMENT FLUSH IN EXISTING WALLS AND CUT AND PATCH TO MATCH EXISTING. COORDINATE WITH GENERAL CONTRACTOR.

DEMOLITION REFERENCED NOTES: (N)

- (NOT ALL NOTES MAY BE APPLICABLE TO THIS SHEET)
1. REMOVE ALL LIGHTING, RECEPTACLES AND OTHER ELECTRICAL DEVICES UNLESS NOTED OTHERWISE OR NECESSARY FOR THE OPERATION OF DEVICES OUTSIDE THE SCOPE OF REMODELING. REMOVE ASSOCIATED CONDUCTORS AND RACEWAY COMPLETELY.
2. DASHED LINES ARE INDICATING RENOVATION AREA. AREAS OUTSIDE OF DASH LINES ARE TO REMAIN EXISTING UNLESS OTHERWISE INDICATED OR REQUIRED TO SERVE DEVICES LOCATED IN RENOVATION AREA.
3. REMOVE ALL WALL DEVICES INCLUDING THOSE INDICATED AND ASSOCIATED CONDUCTORS AND RACEWAY.
4. LIGHTING AND CONTROLS IN THIS AREA TO REMAIN. REMOVE AND REINSTALL LIGHTING AS REQUIRED TO ACCOMMODATE ARCHITECTURAL AND MECHANICAL WORK.
5. REMOVE ALL LIGHTING AND CONTROLS IN THIS AREA. REFER TO LIGHTING PLAN FOR PLAN FOR NEW LIGHTING CONTROLS AND DEMO CONTROLS IF REQUIRED.
6. ELECTRICAL PANEL SHALL BE REMOVED AND CIRCUITS TO REMAIN SHALL BE INTERCEPTED, SPLICED AND REFEED TO NEW PANEL LOCATION. REFER TO ELECTRICAL PLANS FOR NEW LOCATION OF PANEL. CIRCUIT SPLICING SHALL BE AS FOLLOWS.  
- PANEL B1 CIRCUITS FED TO NEW PANEL B1 LOCATION  
- PANEL L2 AND L6 CIRCUITS SHALL BE FED TO NEW PANEL L5 LOCATION  
- PANEL L7 AND L8 CIRCUITS SHALL BE FED TO NEW PANEL L8 LOCATION  
- PANEL L18 CIRCUITS SHALL BE FED TO NEW PANEL L18  
-PANEL L19 CIRCUITS SHALL BE FED TO NEW PANEL L19
7. REMOVE EXISTING DEVICE AND ASSOCIATED CONDUCTORS COMPLETELY. EXISTING CONDUIT AND BACKBOX MAY BE REUSED WHERE IN GOOD CONDITION AND MEETS CURRENT CODES. PULL NEW WIRE AND REGROUP RECEPTACLES AS INDICATED.
8. REMOVE WALL DEVICE AND ASSOCIATED CONDUCTORS AND RACEWAY COMPLETELY. DEVICES REMOVED IN EXISTING BLOCK WALL SHALL BE PROVIDED WITH BLANK COVERPLATE.
9. ELECTRICAL CONTRACTOR SHALL REMOVE ALL CONDUCTORS SERVING IN-FLOOR RACEWAY/FLOORBOXES AND EXISTING FLOOR BOXES COMPLETELY. IN-FLOOR RACEWAY AND ASSOCIATED CONDUIT MAY BE ABANDONED COMPLETELY WHERE IT DOES NOT CONFLICT WITH NEW CONSTRUCTION. FLOORBOXES SHALL BE PATCHED COMPLETELY. COORDINATE WITH GENERAL CONTRACTOR.
10. ELECTRICAL CONTRACTOR SHALL REMOVE POWER POLE AND ALL ASSOCIATED CONDUCTORS AND RACEWAY COMPLETELY.
11. NO WORK IN RESTROOMS UNDER BASE BID. RESTROOMS WORK UNDER ALTERNATE BID #1 ONLY.
12. CONTRACTOR SHALL SALVAGE AND SAFELY STORE EXISTING 2" X 4" FIXTURES WHERE FIXTURES ARE DEEMED IN GOOD CONDITION AND REINSTALL THEM IN NEW LOCATIONS SHOWN ON THE LIGHTING PLAN AND TAGGED EXR. COORDINATE QUANTITY OF FIXTURES TO SALVAGE PRIOR TO CONSTRUCTION. CLEAN FIXTURES PRIOR TO REINSTALLATION.



1 1ST FLOOR POWER DEMOLITION PLAN  
1/8" = 1'-0"



EXISTING PANEL L7 CIRCUITS TO BE REFEED FROM NEW PANEL L8 LOCATION.

4 EXISTING PANEL L7 CIRCUITS  
No Scale

23-142 BLACK HAWK COUNTY COURTHOUSE RENOVATIONS



EXISTING PANEL L6 CIRCUITS TO BE REFEED FROM NEW PANEL L5 LOCATION.

2 EXISTING PANEL L6 CIRCUITS  
No Scale



EXISTING PANEL L5 CIRCUITS TO BE REFEED FROM NEW PANEL L5 LOCATION.

3 EXISTING PANEL L5 CIRCUITS  
No Scale

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BLACK HAWK COUNTY  
COURTHOUSE RENOVATIONS

316 E 5th Street, Waterloo, IA 50703

PROJECT NO:  
23109

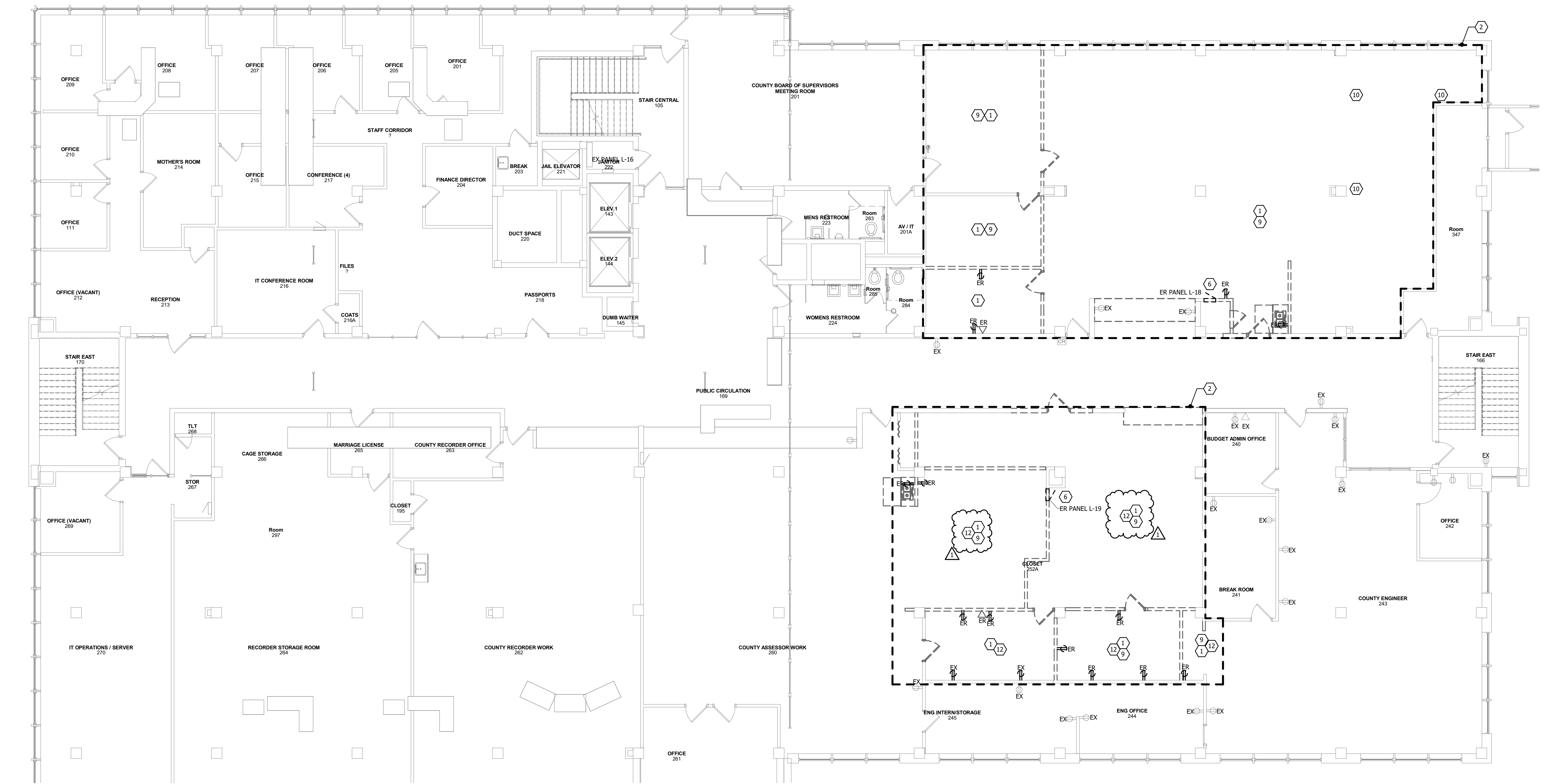
DATE:  
JANUARY 4, 2024  
SHEET SET:  
BID DOCUMENTS

SHEET NAME:  
FIRST FLOOR  
ELECTRICAL  
DEMOLITION PLAN

SHEET:

ED1.11

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1 2ND FLOOR POWER DEMOLITION PLAN  
1/8" = 1'-0"

DEMOLITION GENERAL NOTES:

- REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWINGS SET REGARDING ALTERNATES ON THE PROJECT.
- REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWING SET FOR SPECIFIC PHASING REQUIREMENTS.
- DEMOLITION DRAWINGS ARE BASED ON EXISTING AVAILABLE DRAWINGS AND CASUAL FIELD OBSERVATION. ELECTRICAL CONTRACTORS SHALL FIELD VERIFY THE SITE AND INCLUDE ALL REQUIRED DEMOLITION IN THE BID.
- ALL REQUIRED DEMOLITION IS NOT INDICATED. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL MECHANICAL AND ELECTRICAL SYSTEMS (NOT TO BE REUSED OR EXTENDED) BE REMOVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- REFER TO SPECIFICATIONS AND OTHER SHEETS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- REMOVE ALL ELECTRICAL CONNECTIONS, WIRING, AND CONDUIT SERVING ALL MECHANICAL EQUIPMENT TO BE REMOVED.
- MAINTAIN FIRE RATINGS OF AFFECTED WALLS AND FLOORS.
- EXISTING ELECTRICAL SYSTEMS LOCATED IN WALLS AND CHASES NOT BEING REMOVED OR REUSED FOR NEW SYSTEMS MAY BE ABANDONED IN PLACE. CAP AT MAINS OR IN A CONCEALED LOCATION IF REQUIRED.
- REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLOOR CUTTING AND CEILING REMOVAL. CONTRACTOR SHALL COORDINATE WORK TO BE CONSISTENT WITH SCOPE OF GENERAL CONTRACTOR'S DEMOLITION.
- EXTERIOR FREE-STANDING ELECTRICAL AND MECHANICAL DEVICES NOT BEING REUSED SHALL BE REMOVED UNDER BASE BID UNLESS OTHERWISE NOTED. PATCH OPENING TO MATCH SURROUNDING SURFACES.
- ELECTRICAL CONTRACTOR SHALL RECESS ALL DEVICES/ EQUIPMENT FLUSH IN EXISTING WALLS AND CUT AND PATCH TO MATCH EXISTING. COORDINATE WITH GENERAL CONTRACTOR.

DEMOLITION REFERENCED NOTES: (1)

- REMOVE ALL LIGHTING, RECEPTACLES AND OTHER ELECTRICAL DEVICES UNLESS NOTED OTHERWISE OR NECESSARY FOR THE OPERATION OF DEVICES OUTSIDE THE SCOPE OF REMODELING. REMOVE ASSOCIATED CONDUCTORS AND RACEWAY COMPLETELY.
- DASHED LINES ARE INDICATING RENOVATION AREA. AREAS OUTSIDE OF DASH LINES ARE TO REMAIN EXISTING UNLESS OTHERWISE INDICATED OR REQUIRED TO SERVE DEVICES LOCATED IN RENOVATION AREA.
- REMOVE ALL WALL DEVICES INCLUDING THOSE INDICATED AND ASSOCIATED CONDUCTORS AND RACEWAY.
- LIGHTING AND CONTROLS IN THIS AREA TO REMAIN. REMOVE AND REINSTALL LIGHTING AS REQUIRED TO ACCOMMODATE ARCHITECTURAL AND MECHANICAL WORK.
- REMOVE ALL LIGHTING AND CONTROLS IN THIS AREA. REFER TO LIGHTING PLAN FOR PLAN FOR NEW LIGHTING CONTROLS AND DEMO CONTROLS IF REQUIRED.
- ELECTRICAL PANEL SHALL BE REMOVED AND CIRCUITS TO REMAIN SHALL BE INTERCEPTED, SPliced AND REFERRED TO NEW PANEL LOCATION. REFER TO ELECTRICAL PLANS FOR NEW LOCATION OF PANEL. CIRCUIT SPlicing SHALL BE AS FOLLOWS:
  - PANEL B1 CIRCUITS FED TO NEW PANEL B1 LOCATION
  - PANEL L5 AND L6 CIRCUITS SHALL BE FED TO NEW PANEL L5 LOCATION
  - PANEL L7 AND L8 CIRCUITS SHALL BE FED TO NEW PANEL L8 LOCATION
  - PANEL L18 CIRCUITS SHALL BE FED TO NEW PANEL L18
  - PANEL L19 CIRCUITS SHALL BE FED TO NEW PANEL L19
- REMOVE EXISTING DEVICE AND ASSOCIATED CONDUCTORS COMPLETELY. EXISTING CONDUIT AND BACKBOX MAY BE REUSED WHERE IN GOOD CONDITION AND MEETS CURRENT CODES. PULL NEW WIRE AND REGROUP RECEPTACLES AS INDICATED.
- REMOVE WALL DEVICE AND ASSOCIATED CONDUCTORS AND RACEWAY COMPLETELY. DEVICES REMOVED IN EXISTING BLOCK WALL SHALL BE PROVIDED WITH BLANK COVERPLATE.
- ELECTRICAL CONTRACTOR SHALL REMOVE ALL CONDUCTORS SERVING IN-FLOOR RACEWAY/FLOORBORES AND EXISTING FLOOR BOXES COMPLETELY. IN-FLOOR RACEWAY AND ASSOCIATED CONDUIT MAY BE ABANDONED COMPLETELY WHERE IT DOES NOT CONFLICT WITH NEW CONSTRUCTION. FLOORBORES SHALL BE PATCHED COMPLETELY. COORDINATE WITH GENERAL CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL REMOVE POWER POLE AND ALL ASSOCIATED CONDUCTORS AND RACEWAY COMPLETELY.
- NO WORK IN RESTROOMS UNDER BASE BID. RESTROOMS WORK UNDER ALTERNATE BID #1 ONLY.
- CONTRACTOR SHALL SALVAGE AND SAFELY STORE EXISTING 2' X 4' FIXTURES WHERE FIXTURES ARE DEMED IN GOOD CONDITION AND REINSTALL THEM IN NEW LOCATIONS SHOWN ON THE LIGHTING PLAN AND TAGGED EXR. COORDINATE QUANTITY OF FIXTURES TO SALVAGE PRIOR TO CONSTRUCTION. CLEAN FIXTURES PRIOR TO REINSTALLATION.



EXISTING PANEL L18 CIRCUITS TO BE REFERRED FROM NEW PANEL L18 LOCATION.

2 EXISTING PANEL L18 CIRCUITS  
1/4" = 1'-0"

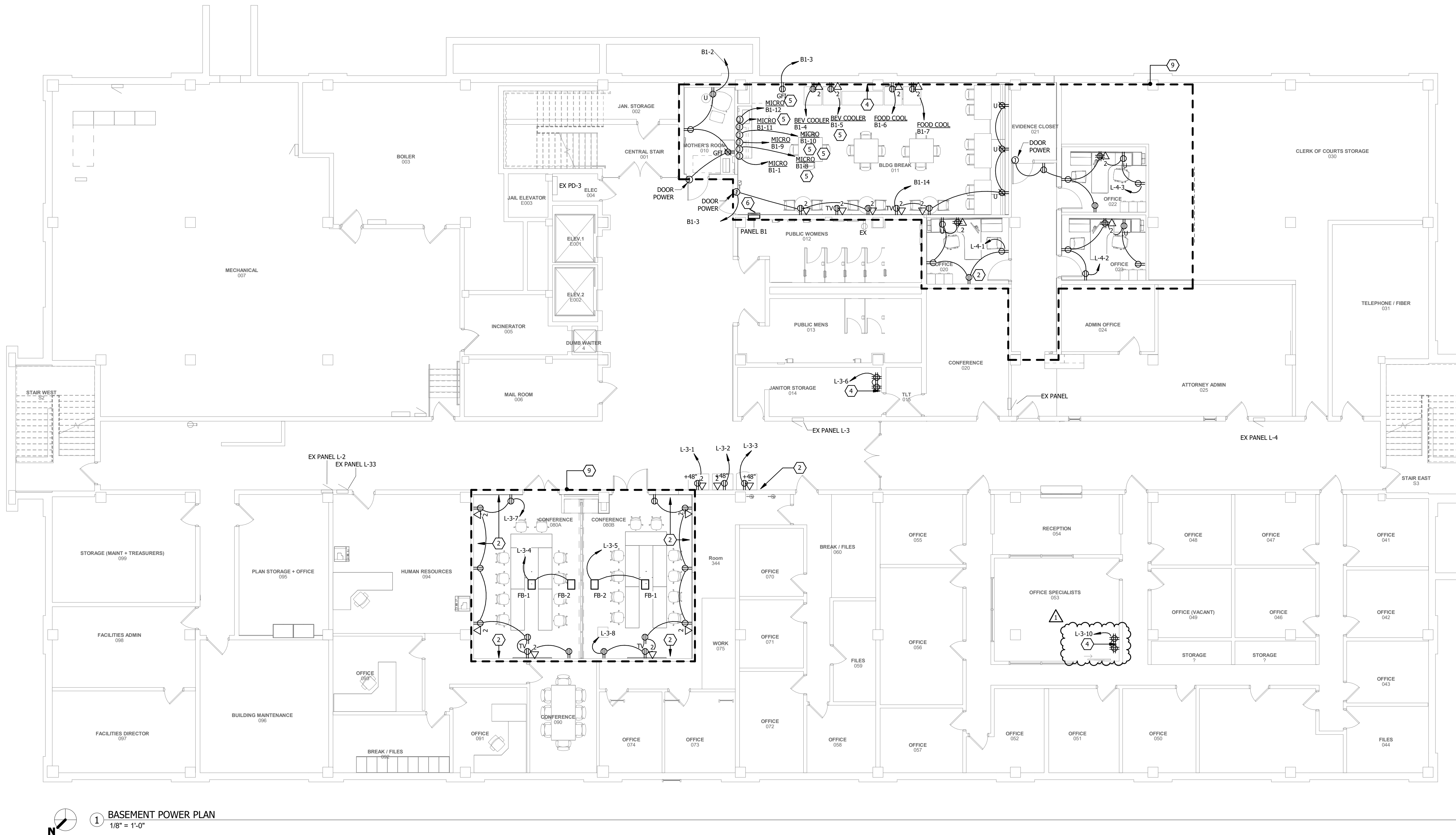
REVISIONS:

Description	Date	No.
ADD #1	1/19/2024	1

OWNER SIGN-OFF:

DATE \_\_\_\_\_ NAME \_\_\_\_\_



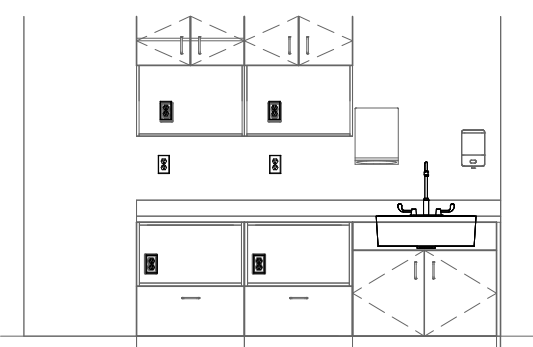


#### GENERAL NOTES:

- REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWINGS SET REGARDING ALTERNATES ON THE PROJECT.
- REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWING SET FOR SPECIFIC PHASING REQUIREMENTS.
- ALL DISCONNECTS ON MECHANICAL EQUIPMENT SHALL BE MOUNTED ON STRUCTURE TO ALLOW REMOVAL OF THE EQUIPMENT FOR MAINTENANCE WITH A MINIMUM OF WIRING WORK. VERIFY NEC CLEARANCE REQUIREMENTS ARE MET PRIOR TO ROUGH-IN.
- MAINTAIN SERVICE CLEARANCE AROUND ALL MECHANICAL & ELECTRICAL EQUIPMENT. DO NOT ROUTE PIPING OR CONDUIT IN CLEARANCE SPACE.
- SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL FROM THE ENGINEER. APPROVED SPACES FOR SURFACE MOUNT EMT CONDUIT IS INDICATED ON PLANS.
- ALL RECEPTACLE CIRCUITS SHALL HAVE DEDICATED NEUTRALS.
- INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
- PROVIDE CONDUIT SLEEVES WITH INSULATED BUSHINGS SERVING ALL LOW VOLTAGE CABLING. DO NOT EXCEED 40% FILL.
- PRIOR TO ROUGH-IN, COORDINATE ALL WALL DEVICES WITH FINAL CASEWORK ELEVATIONS AND OTHER TRADES. CONFLICTS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.
- ALL FLOOR BOXES SHALL HAVE THEIR EXACT ROUGH-IN LOCATION DETERMINED BY DESIGN TEAM THROUGH DIMENSIONED DRAWINGS SIGNED BY OWNER PRIOR TO ROUGH-IN. LOCATIONS SHOWN ARE FOR BIDDING PURPOSES ONLY.
- JUNCTION BOXES IN CONFERENCE ROOMS SHALL BE CONNECTED VIA 1-3/4" CONDUIT. JUNCTION BOX IN MIDDLE OF ROOM SHALL BE MOUNTED AT THE CEILING FOR A PROJECTOR. JUNCTION BOX AT WALL SHALL BE MOUNTED AT THE SAME HEIGHT AS RECEPTACLES.
- PROVIDE AN ADDITIONAL 20A-1P BREAKER IN LOCAL PANEL FOR CONNECTION TO FIRE SMOKE DAMPERS (FSD). SEE HVAC PLANS FOR EXACT LOCATIONS. CLEARLY INDICATE ON AS-BUILT DRAWINGS.
- REFER TO T-SHEETS FOR ADDITIONAL ROUGH-IN INFORMATION. ALL AUDIO INPUTS SHALL BE ROUGHED IN ADJACENT TO RECEPTACLES SHOWN ON THIS PLAN UNLESS NOTED OTHERWISE.
- PROVIDE ALL NEW ELECTRICAL DEVICES AND FACEPLATES FOR EXISTING (EX) DEVICES SHOWN.
- REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND RCP'S SHALL BE REVIEWED AND APPROVED BY THE DESIGN TEAM PRIOR TO ROUGH-IN. IF A DEVICE IS REQUIRED PER SPECIFICATION, REQUIRED FOR OPERATION, OR IS DIFFERENT IN CONFIGURATION THAN SHOWN ON ELEVATIONS AND RCP'S, CLARIFICATION AND DIRECTION MUST BE GIVEN BY THE DESIGN TEAM BEFORE ROUGH-IN. DEVIATIONS OR ADDITIONAL DEVICES NOT APPROVED PRIOR TO INSTALLATION SHALL BE CORRECTED AT CONTRACTORS EXPENSE. THIS INCLUDES BUT IS NOT LIMITED TO THERMOSTATS, CONTROL SYSTEM SENSORS, ELECTRICAL DEVICES, SWITCHES, DIMMERS, TECHNOLOGY DEVICES, A/V DEVICES, SPEAKERS, FIRE ALARM DEVICES, ETC.
- PRIOR TO ROUGH-IN, COORDINATE EXACT MONITOR ELECTRICAL DEVICE HEIGHTS AND LOCATION WITH THE OWNER'S DESIRED MOUNTING LOCATION HEIGHT AND THE OWNER PROVIDED MOUNTING BRACKET. DEVICES AND CABLES SHALL BE CONCEALED AND IN AN ORDERLY FASHION.
- ELECTRICAL CONTRACTOR SHALL CUT AND PATCH DEVICES/PANELS INSTALLED IN EXISTING WALLS UNLESS OTHERWISE NOTED. COORDINATE PATCHING WITH GENERAL CONTRACTOR.
- ELECTRICAL POWER OUTAGES, IF REQUIRED, SHOULD BE STRATEGICALLY MINIMIZED AND SCHEDULED CLOSELY WITH OWNER. CHANGEOVERS COULD BE REQUIRED TO OCCUR AT ANY HOUR. NOTE: AREAS AFFECTED OUTSIDE RENOVATION AREA SHALL BE CLEARLY INDICATED TO OWNER PRIOR TO ANY SHUTDOWN.
- ELECTRICAL CONTRACTOR SHALL SCHEDULE AN ONSITE COORDINATION MEETING OF DEVICES SERVING POWERED FURNITURE WITH DESIGN TEAM PRIOR TO ROUGH-IN.

#### REFERENCED NOTES:

- (NOT ALL NOTES MAY BE APPLICABLE TO THIS SHEET)
- NOT USED.
  - ELECTRICAL CONTRACTOR SHALL CUT AND PATCH DEVICES INTO EXISTING WALL. COORDINATE WITH GENERAL CONTRACTOR.
  - FLOORBOX LOCATIONS SHALL BE COORDINATED WITH EXISTING FLOOR STRUCTURE PRIOR TO ROUGH-IN.
  - ALL DEVICES AND EQUIPMENT SERVING VENDING EQUIPMENT ON THIS WALL SHALL BE SURFACE MOUNTED AND FED WITH SURFACE MOUNTED EMT CONDUIT.
  - COORDINATE MICROWAVE RECEPTACLE LOCATION WITH ARCHITECTURAL ELEVATIONS AND FINAL CASEWORK PRIOR TO ROUGH-IN.
  - CUT AND PATCH WALL TO ACCOMMODATE LARGER NEW PANEL.
  - COILING DOOR MANUFACTURER SHALL FURNISH CONTROLS FOR OVERHEAD DOOR. ELECTRICAL CONTRACTOR SHALL INSTALL. COORDINATE ROUGH-IN LOCATION AND ANY ADDITIONAL REQUIREMENTS WITH COILING DOOR MANUFACTURER.
  - NO WORK IN RESTROOMS UNDER BASE BID. RESTROOMS WORK UNDER ALTERNATE BID #1 ONLY.
  - DASHED LINES ARE INDICATING RENOVATION AREA. AREAS OUTSIDE OF DASH LINES ARE TO REMAIN EXISTING UNLESS OTHERWISE INDICATED OR REQUIRED TO SERVE DEVICES LOCATED IN RENOVATION AREA.



2 BLDG BREAK 011 WEST ELEVATION  
1/4" = 1'-0"



3 EXISTING PANEL B1 CIRCUITS  
No Scale

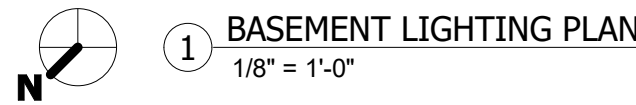
REVISIONS:	Description	Date	No.
ADD #1		1/19/2024	1

OWNER SIGN-OFF:

DATE NAME

**NOTES:**

1. REFER TO SPECIFICATION 26 0943 FOR FURTHER INFORMATION.
2. OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR A 30 MINUTE TIME DELAY.
3. PROVIDE PROPER NUMBER OF POWER PACES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
4. EGRESS DEVICE AND POWER PACK QUANTITIES SHALL BE DETERMINED DURING CONSTRUCTION BY THE LIGHTING CONTROLS MANUFACTURER.
5. PROVIDE UL924 RATED TRANSFER DEVICES(S) IN ALL AREAS WHERE EMERGENCY EGRESS LIGHTING IS REQUIRED PER NFPA 101. LIGHTING CONTROLS MANUFACTURER SHALL DETERMINE EXACT QUANTITIES WITH LIGHTING CONTROL ZONES AND LAYOUTS.

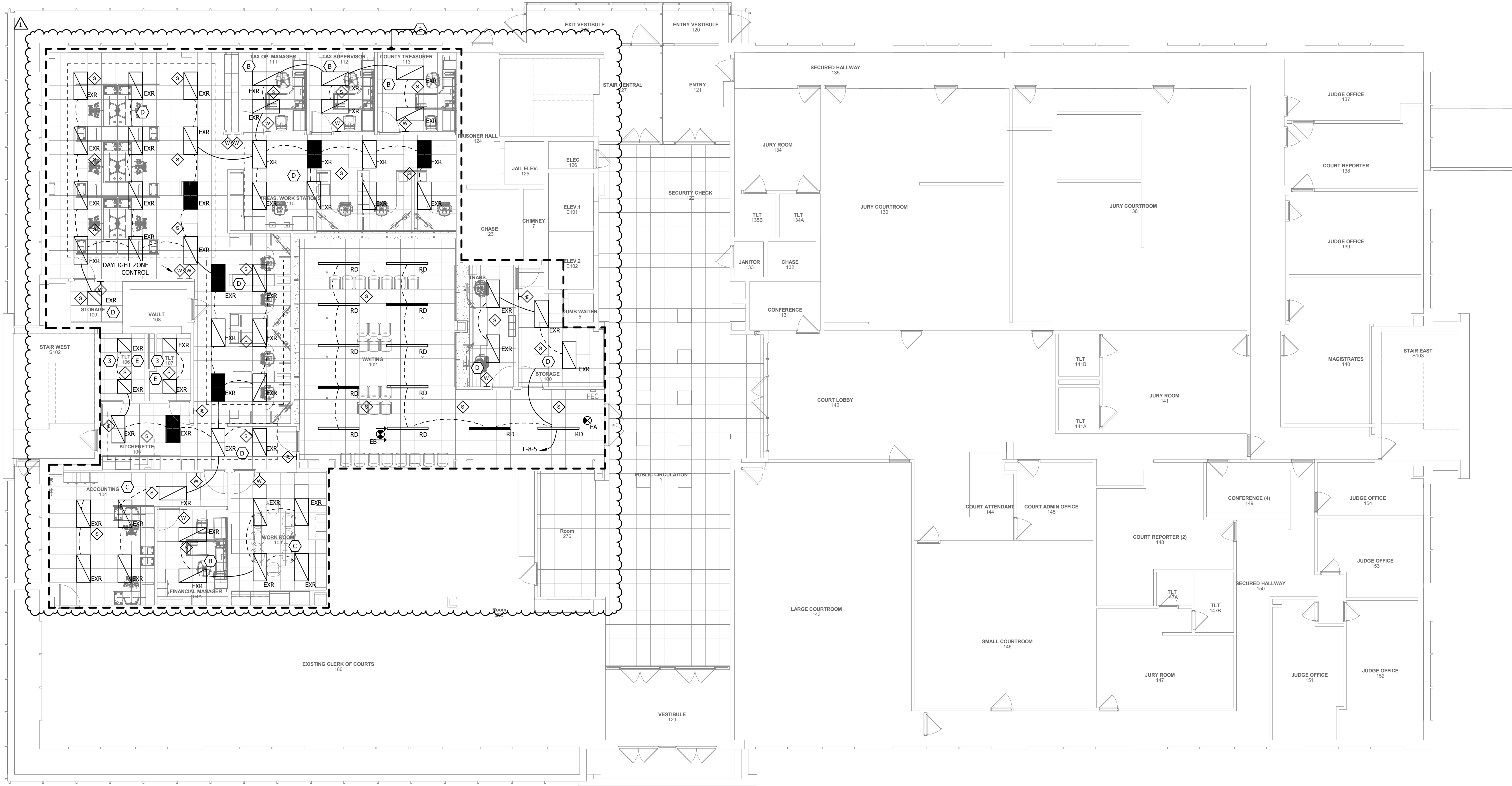


- ## REFERENCED NOTES:
- (NOT ALL NOTES MAY BE APPLICABLE TO THIS SHEET)
1. CONNECT TO EXISTING BREAKER AND CONTROLS SERVING LIGHTING IN THIS SPACE.
2. DASHED LINES ARE INDICATING RENOVATION AREA. AREAS OUTSIDE OF DASH LINES ARE TO REMAIN EXISTING UNLESS OTHERWISE INDICATED OR REQUIRED TO SERVE DEVICES LOCATED IN RENOVATION AREA.
3. NO WORK IN RESTROOMS UNDER BASE BID. RESTROOMS WORK UNDER ALTERNATE BID #1 ONLY.

23-142 BLACK HAWK COUNTY COURTHOUSE RENOVATIONS

LIGHTING CONTROL - SEQUENCE OF OPERATION			
TAG	ACTIVATION	DESCRIPTION	SCHEDULE
A	MANUAL ON/OFF w/ DIMMING	MANUAL ON/OFF w/ ZONED DIMMING CONTROL. DIMMING ZONES PER (FIXTURE TYPE) INDICATED ZONES IN EACH ROOM.	N/A
B	MANUAL ON/ AUTO-OFF w/ DIMMING	MANUAL ON AND AUTO-OFF w/ WALL CONTROL, CEILING SENSOR(S) AND ROOM CONTROLLER(S). PROVIDE DAYLIGHT DIMMING, AS REQUIRED, ZONED, AND INDICATED ON PLANS.	30 MINUTE TIMEOUT
C	MANUAL ON/ OFF	MANUAL ON/OFF SWITCH	N/A
D	MANUAL ON/ AUTO-OFF	MANUAL ON AND AUTO-OFF w/ WALL MOUNTED SENSOR OR CEILING MOUNTED SENSOR(S) AS APPROPRIATE	30 MINUTE TIMEOUT
E	AUTO ON/ AUTO OFF	AUTO ON/AUTO OFF w/ WALL MOUNTED SENSOR OR CEILING MOUNTED SENSOR(S), AS APPROPRIATE.	30 MINUTE TIMEOUT

NOTES:  
1. REFER TO SPECIFICATION 26 0943 FOR FURTHER INFORMATION.  
2. OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR A 30 MINUTE TIME DELAY.  
3. PROVIDE PROPER NUMBER OF POWER PACKS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.  
4. EXACT DEVICE AND POWER PACK QUANTITIES SHALL BE DETERMINED DURING CONSTRUCTION BY THE LIGHTING CONTROLS MANUFACTURER.  
5. PROVIDE UL924 RATED TRANSFER DEVICES IN ALL AREAS WHERE EMERGENCY EGRESS LIGHTING IS REQUIRED PER NFPA 101.  
LIGHTING CONTROLS MANUFACTURER SHALL DETERMINE EXACT QUANTITIES WITH LIGHTING CONTROL ZONES AND LAYOUTS.



1 1ST FLOOR LIGHTING PLAN  
1/8" = 1'-0"

GENERAL NOTES:

- A. REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWINGS SET REGARDING ALTERNATES ON THE PROJECT.
- B. REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWING SET FOR SPECIFIC PHASING REQUIREMENTS.
- C. SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- D. INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
- E. COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS AND CASEWORK SUBMITTALS.
- F. OCCUPANCY AND DAYLIGHT SENSORS SHALL BE LOCATED PER MANUFACTURER'S RECOMMENDATIONS. IN EVENT OF CONFLICT OF DESIGNED DRAWINGS AND MANUFACTURER RECOMMENDATIONS, ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- G. REFER TO SPECIFICATION SECTION 26 0943 FOR ADDITIONAL DETAILS ASSOCIATED WITH THE LIGHTING CONTROLS. EACH AREA OF CONTROL SHALL HAVE A DEDICATED POWER PACK WITH ALL DEVICES SHOWN ON PLANS OPERATING TOGETHER.
- H. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN SUCH WAY THAT DRIVERS ARE ACCESSIBLE WITHOUT CUTTING OF CEILING. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF AREAS WHERE THIS IS NOT POSSIBLE.
- I. ALL WALL-MOUNTED FIXTURES SHALL HAVE EXACT ROUGH-IN LOCATION DETERMINED BY DESIGN TEAM PRIOR TO ROUGH-IN.
- J. THE ELECTRICAL CONTRACTOR SHALL EXTEND AN "UNSWITCHED" HOT CONDUCTOR FROM THE NEAREST NORMAL LIGHTING CIRCUIT TO EVERY UL924 LISTED EMERGENCY BATTERY PACK AND EXIT SIGNS REQUIRED FOR EMERGENCY EGRESS OPERATION. THE "UNSWITCHED" HOT CONDUCTOR SHALL BE USED FOR SENSING PURPOSES ONLY.
- K. CONTRACTOR SHALL PROVIDE A UL924 RATED TRANSFER DEVICE IN ALL AREAS WHERE EMERGENCY EGRESS LIGHTING IS REQUIRED PER NFPA 101. LIGHTING CONTROLS MANUFACTURER SHALL DETERMINE EXACT QUANTITIES WITH LIGHTING CONTROL ZONES AND LAYOUTS.
- L. UNLESS NOTED OTHERWISE BY DESIGNATED "LIGHTING CONTROL ZONES", SWITCHES SHOWN WILL CONTROL ALL FIXTURES IN THE ROOM SHOWN.
- M. PROGRAMMABLE DEVICES SHALL BE CONFIGURED WITH THE CONTROL ZONES SHOWN ON THE PLANS AND SCENES PER CLIENT DIRECTION DURING COMMISSIONING.
- N. ALL LIGHTING CONTROL SHALL OPERATE "MANUAL ON/AUTO OFF" PER CODE (IECC OR ASHRAE 90.1) UNLESS OTHERWISE NOTED IN THE SEQUENCE OF OPERATIONS OR THESE REFERENCE NOTES.
- O. REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND RCP'S SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ROUGH-IN. IF A DEVICE IS REQUIRED PER SPECIFICATION, REQUIRED FOR OPERATION, OR IS DIFFERENT IN CONFIGURATION THAN SHOWN ON ELEVATIONS AND RCP'S, CLARIFICATION AND DIRECTION MUST BE GIVEN BY THE ARCHITECT BEFORE ROUGH-IN. DEVIATIONS OR ADDITIONAL DEVICES NOT APPROVED PRIOR TO INSTALLATION SHALL BE CORRECTED AT CONTRACTOR'S EXPENSE. THIS INCLUDES BUT IS NOT LIMITED TO THERMOSTATS, CONTROL SYSTEM SENSORS, ELECTRICAL DEVICES, SWITCHES, DIMMERS, TECHNOLOGY DEVICES, A/V DEVICES, SPEAKERS, FIRE ALARM DEVICES, ETC.

REFERENCED NOTES:

1. CONNECT TO EXISTING BREAKER AND CONTROLS SERVING LIGHTING IN THIS SPACE.
2. DASHED LINES ARE INDICATING RENOVATION AREA. AREAS OUTSIDE OF DASH LINES ARE TO REMAIN EXISTING UNLESS OTHERWISE INDICATED OR REQUIRED TO SERVE DEVICES LOCATED IN RENOVATION AREA.
3. NO WORK IN RESTROOMS UNDER BASE BID. RESTROOMS WORK UNDER ALTERNATE BID #1 ONLY.

REVISIONS:

Description	Date	No.
ADD #1	1/19/2024	1

OWNER SIGN-OFF:

DATE	NAME

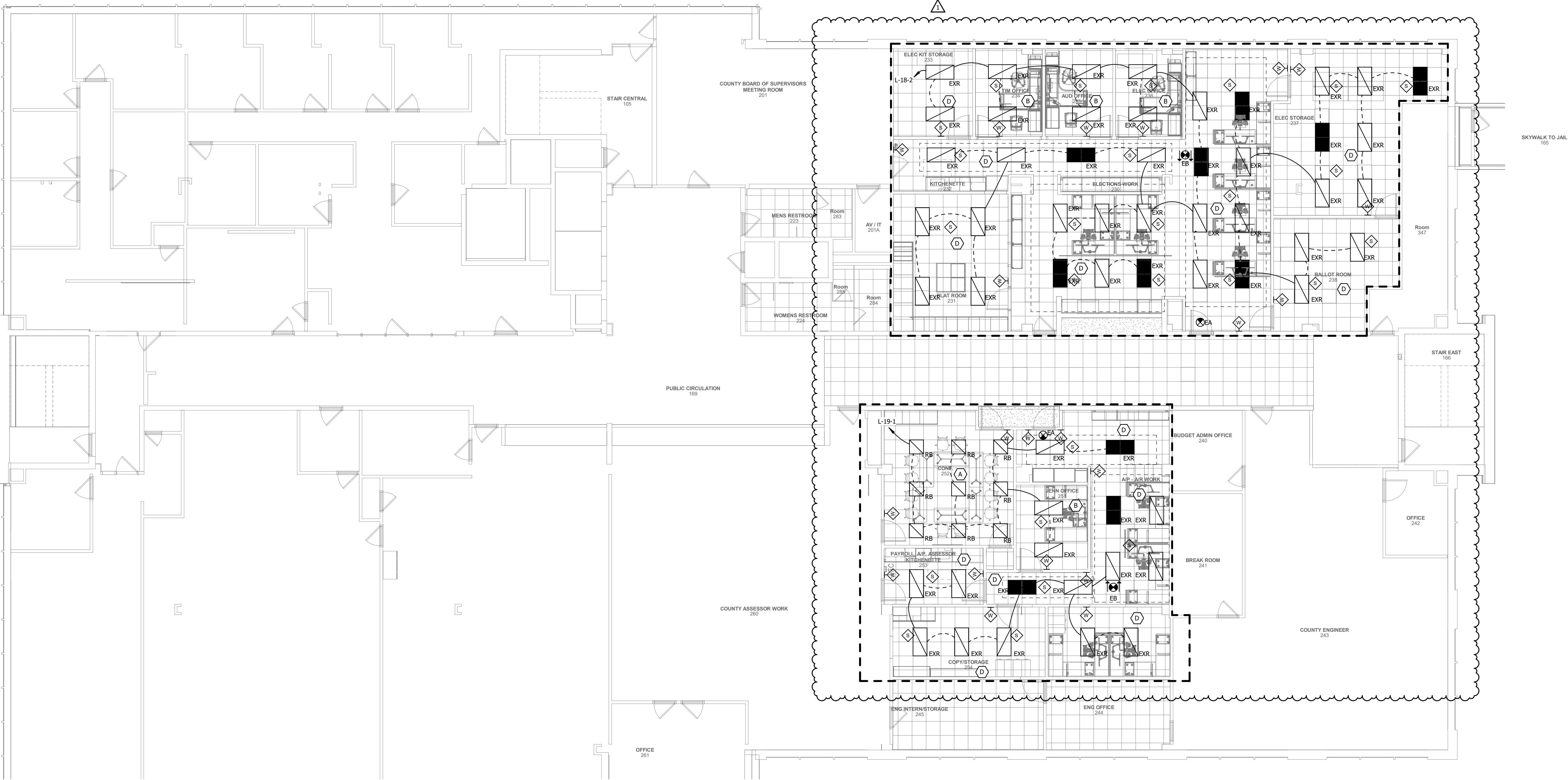


LIGHTING CONTROL - SEQUENCE OF OPERATION			
TAG	ACTIVATION	DESCRIPTION	SCHEDULE
A	MANUAL ON/OFF w/ DIMMING	MANUAL ON/OFF w/ ZONED DIMMING CONTROL. DIMMING ZONES PER [FIXTURE TYPE][INDICATED ZONES] IN EACH ROOM.	N/A
B	MANUAL ON/ AUTO-OFF w/ DIMMING	MANUAL ON AND AUTO-OFF w/ WALL CONTROL, CEILING SENSOR(S) AND ROOM CONTROLLER(S). PROVIDE DAYLIGHT DIMMING, AS REQUIRED, ZONED, AND INDICATED ON PLANS.	30 MINUTE TIMEOUT
C	MANUAL ON/ OFF	MANUAL ON/OFF SWITCH	N/A
D	MANUAL ON/ AUTO-OFF	MANUAL ON AND AUTO-OFF w/ WALL MOUNTED SENSOR OR CEILING MOUNTED SENSOR(S) AS APPROPRIATE	30 MINUTE TIMEOUT
E	AUTO ON/ AUTO OFF	AUTO ON/AUTO OFF w/ WALL MOUNTED SENSOR OR CEILING MOUNTED SENSOR(S), AS APPROPRIATE.	30 MINUTE TIMEOUT

NOTES:  
1. REFER TO SPECIFICATION 26.0943 FOR FURTHER INFORMATION.  
2. OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR A 30 MINUTE TIME DELAY.  
3. PROVIDE PROPER NUMBER OF POWER PACKS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.  
4. EXACT DEVICE AND POWER PACK QUANTITIES SHALL BE DETERMINED DURING CONSTRUCTION BY THE LIGHTING CONTROLS MANUFACTURER.  
5. PROVIDE UL224 RATED TRANSFER DEVICE(S) IN ALL AREAS WHERE EMERGENCY EGRESS LIGHTING IS REQUIRED PER NFPA 101.  
LIGHTING CONTROLS MANUFACTURER SHALL DETERMINE EXACT QUANTITIES WITH LIGHTING CONTROL ZONES AND LAYOUTS.

- GENERAL NOTES:**
- A. REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWINGS SET REGARDING ALTERNATES ON THE PROJECT.
- B. REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWING SET FOR SPECIFIC PHASING REQUIREMENTS.
- C. SURFACE RACEWAY SHALL NOT BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- D. INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
- E. COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS AND CASEWORK SUBMITTALS.
- F. OCCUPANCY AND DAYLIGHT SENSORS SHALL BE LOCATED PER MANUFACTURER'S RECOMMENDATIONS. IN EVENT OF CONFLICT OF DESIGNED DRAWINGS AND MANUFACTURER RECOMMENDATIONS, ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- G. REFER TO SPECIFICATION SECTION 26.0943 FOR ADDITIONAL DETAILS ASSOCIATED WITH THE LIGHTING CONTROLS. EACH AREA OF CONTROL SHALL HAVE A DEDICATED POWER PACK WITH ALL DEVICES SHOWN ON PLANS OPERATING TOGETHER.
- H. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN SUCH WAY THAT DRIVERS ARE ACCESSIBLE WITHOUT CUTTING OF CEILING. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF AREAS WHERE THIS IS NOT POSSIBLE.
- I. ALL WALL MOUNTED FIXTURES SHALL HAVE EXACT ROUGH-IN LOCATION DETERMINED BY DESIGN TEAM PRIOR TO ROUGH-IN.
- J. THE ELECTRICAL CONTRACTOR SHALL EXTEND AN "UNSWITCHED" HOT CONDUCTOR FROM THE NEAREST NORMAL LIGHTING CIRCUIT TO EVERY UL224 LISTED EMERGENCY BATTERY PACK AND EXIT SIGNS REQUIRED FOR EMERGENCY EGRESS OPERATION. THE "UNSWITCHED" HOT CONDUCTOR SHALL BE USED FOR SENSING PURPOSES ONLY.
- K. CONTRACTOR SHALL PROVIDE A UL224 RATED TRANSFER DEVICE IN ALL AREAS WHERE EMERGENCY EGRESS LIGHTING IS REQUIRED PER NFPA 101. LIGHTING CONTROLS MANUFACTURER SHALL DETERMINE EXACT QUANTITIES WITH LIGHTING CONTROL ZONES AND LAYOUTS.
- L. UNLESS NOTED OTHERWISE BY DESIGNATED "LIGHTING CONTROL ZONES", SWITCHES SHOWN WILL CONTROL ALL FIXTURES IN THE ROOM SHOWN.
- M. PROGRAMMABLE DEVICES SHALL BE CONFIGURED WITH THE CONTROL ZONES SHOWN ON THE PLANS AND SCENES PER CLIENT DIRECTION DURING COMMISSIONING.
- N. ALL LIGHTING CONTROL SHALL OPERATE "MANUAL ON/AUTO OFF" PER CODE (IECC OR ASHRAE 90.1) UNLESS OTHERWISE NOTED IN THE SEQUENCE OF OPERATIONS OR THESE REFERENCE NOTES.
- O. REFER TO ARCHITECTURAL ELEVATIONS AND REFLECTED CEILING PLANS FOR SPECIFIC DEVICE ROUGH-IN AND PLACEMENT. ANY DEVIATIONS FROM THE ARCHITECTURAL ELEVATIONS AND RCP'S SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO ROUGH-IN. IF A DEVICE IS REQUIRED PER SPECIFICATION, REQUIRED FOR OPERATION, OR IS DIFFERENT IN CONFIGURATION THAN SHOWN ON ELEVATIONS AND RCP'S, CLARIFICATION AND DIRECTION MUST BE GIVEN BY THE ARCHITECT BEFORE ROUGH-IN. DEVIATIONS OR ADDITIONAL DEVICES NOT APPROVED PRIOR TO INSTALLATION SHALL BE CORRECTED AT CONTRACTORS EXPENSE. THIS INCLUDES BUT IS NOT LIMITED TO THERMOSTATS, CONTROL SYSTEM SENSORS, ELECTRICAL DEVICES, SWITCHES, DIMMERS, TECHNOLOGY DEVICES, A/V DEVICES, SPEAKERS, FIRE ALARM DEVICES, ETC.

- REFERENCED NOTES:**
- (NOT ALL NOTES MAY BE APPLICABLE TO THIS SHEET)
1. CONNECT TO EXISTING BREAKER AND CONTROLS SERVING LIGHTING IN THIS SPACE.
2. DASHED LINES ARE INDICATING RENOVATION AREA. AREAS OUTSIDE OF DASH LINES ARE TO REMAIN EXISTING UNLESS OTHERWISE INDICATED OR REQUIRED TO SERVE DEVICES LOCATED IN RENOVATION AREA.
3. NO WORK IN RESTROOMS UNDER BASE BID. RESTROOMS WORK UNDER ALTERNATE BID #1 ONLY.



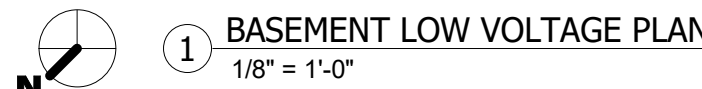
1 2ND FLOOR LIGHTING PLAN  
1/8" = 1'-0"

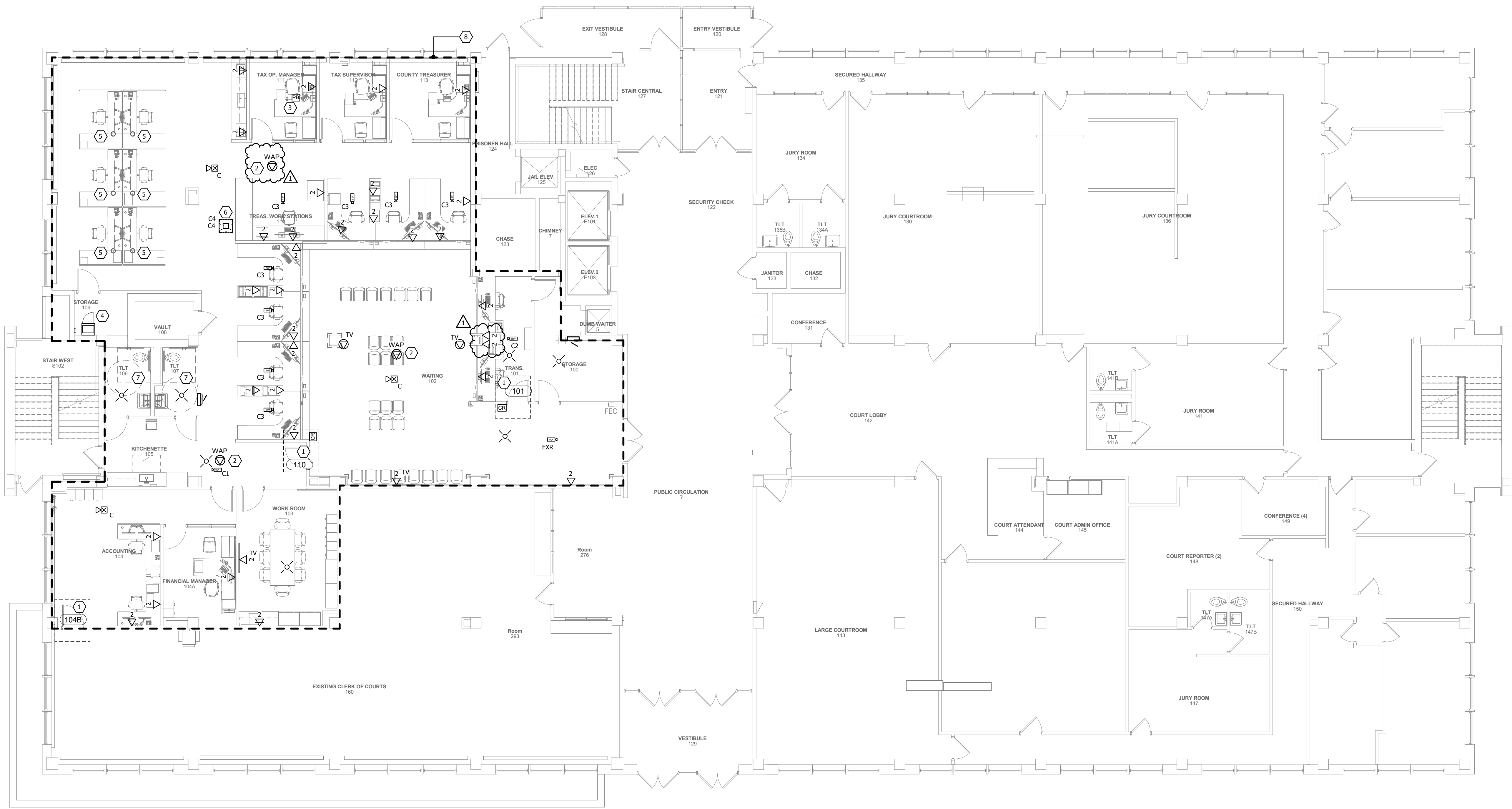
- A. **REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWINGS SET REGARDING ALTERNATE TO THE PROJECT.**
- B. **REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWING SET FOR SPECIFIC FINISH REQUIREMENTS.**
- C. **SURFACE RACEWAY IS NOT TO BE USED IN ANY FINISHED AREAS PRIOR TO APPROVAL FROM THE ARCHITECT.**
- D. **PROVIDE CONDUIT SLEEVES WITH INSULATED BUSHINGS SERVING ALL LOW VOLTAGE CABLES. DO NOT EXCEED 40% PIPE FILL.**
- E. **INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDE OF WALL ARE WITHIN 18" OF EACH OTHER.**
- F. **COORDINATE ELECTRICAL REQUIREMENTS WITH DOOR CONTRACTOR PRIOR TO INSTALLATION.**
- G. **COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS, CASEWORK SUBMITTALS, & OWNER PROVIDED EQUIPMENT.**
- H. **ALL DEVICES CALLED OUT TO BE INSTALLED AT NON-STANDARD HEIGHTS SHALL BE VERIFIED WITH DESIGN TEAM PRIOR TO ROUGH-IN.**
- I. **ALL NEW WORK INDICATED IN EXISTING WALLS SHALL BE VERIFIED WITH DESIGN TEAM PRIOR TO ROUGH-IN.**
- J. **ALL CUTTING AND PATCHING SHALL BE BY GENERAL CONTRACTOR.**
- K. **FIRE ALARM INITIATING DEVICES SHALL NOT BE INSTALLED WITHIN 18" OF EACH OTHER OR FROM FORCED AIR HVAC DIFFUSERS OR IN CLOSE OF CEILING FAN BLADES.**
- L. **PRIOR TO ROUGH-IN, COORDINATE EXACT MONITOR ELECTRICAL, DEVICE HEIGHTS AND LOCATION WITH THE OWNER'S DESIRED LOCATION. IN ADDITION, PROVIDE A MOUNTING BRACKET, DEVICES AND CABLES SHALL BE CONCEALED IN WALLS.**

3. ACCESS CONTROL: PROVIDE TO DETAILS SHEETS AND APPROVE ALL ACCESS CONTROL SPECIFICATIONS FOR BOTH INFORMATION ON ACCESS POINTS, CABLEING, AND NETWORK REQUIREMENTS.
4. LOCATION OF OWNER FURNISHED, CONTRACTOR INSTALLED, WIRELESS ACCESS POINT (WAP), STRUCTURED CABLE, PATCH PANEL, AND PATCH PANEL TO PATCH PANEL CABLES TERMINATED ABOVE CEILING TO A BJSQUOT JACK. PROVIDE FINAL PATCH CABLES FOR OWNER TO PATCH TO FIELD DEVICE. ALLOW FOR FUTURE SERVICE LOCATIONS. PROVIDE 10% SPARE. SERVICE LOCATIONS SHALL BE CONCEALED AND CONVEYED USING PATCH CABLE BE AT THE CLOSEST LOCATIONS.
5. PROVIDE AN EMERGENCY DURESS BUTTON EQUAL TO STITS UNIFORM BUT NOT MOUNTED TO THE WALLS AND ONE (1) E10147 BACLIGHT. PROVIDE STITS #518-618. COORDINATE WITH THE CONTRACTOR PRIOR TO WORKING ON THE WALLS. COORDINATE INTERFERENCE BETWEEN FIREARM SYSTEMS FOR MONITORING AND DIALING OF 911.
6. OWNER FURNISHED CONTRACTOR INSTALLED WALL RACK. CONTRACTOR SHALL PROVIDE 10% SPARE. FIRE RESISTANT PLYWOOD PAINTED WHITE WITH FIRE RETARDANT PAINT. -ALL CABLE SHALL HAVE A 1/2" HOLE THROUGH THE RACK. SHALL BE 1/2" HOLE THROUGH THE RACK WITH THE IN AND RACK FOR TERMINATION.
7. STRUCTURED CABLEING CONTRACTOR SHALL PROVIDE 5 STRAND SINGLE MODE FIBER BACK TO BOX (1).
8. APPROXIMATE LOCATION OF FLOOR BOX. CATEGORY 3 SHALL PROVIDE A DIMENSIONED DRAWING ON EXACT LOCATION PRIOR TO WORKING. SEE FLOOR BOX FOR DIMENSIONS. PROVIDE DATA SHEETS FOR NETWORK AND AUDIO/VISUAL CONNECTIONS.
9. SECURITY CONTRACTOR SHALL PROVIDE CPTI CM5492 OR EQUIVALENT, 7 X 7 IN CEILING ENCLOSURE, TO MOUNT MODULAR VIDEO CAMERAS. UNITS SHALL BE 1/2" HOLE THROUGH THE WALL WITH 3/8" OF MODULAR CAMERAS. COORDINATE LOCATION WITH OTHER TRADES AND OWNER PRIOR TO ROUGH-IN.
10. NO WORK IN ROOMS UNDER BASE BLD. RESTROOMS WORK UNDER ALTERNATE BID #1
11. DASHED LINES ARE INDICATING RESTROOM AREA. AREAS OUTSIDE OF DASH LINES ARE TO REMAIN EXISTING UNLESS OTHERWISE INDICATED. REQUIRED TO SERVICE DEVICES LOCATED IN RESTROOM AREA.

Description	Date	No.
ADD #1	1/19/2024	1

DATE \_\_\_\_\_ NAME \_\_\_\_\_





1 1ST FLOOR LOW VOLTAGE PLAN  
1/8" = 1'-0"

#### GENERAL NOTES:

- REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWINGS SET REGARDING ALTERNATES ON THE PROJECT.
- REFER TO G SERIES PLANS IN ARCHITECTURAL DRAWING SET FOR SPECIFIC PHASING REQUIREMENTS.
- SURFACE RACEWAY IS NOT TO BE USED IN ANY FINISHED AREAS WITHOUT PRIOR APPROVAL FROM THE ARCHITECT.
- PROVIDE CONDUIT SLEEVES WITH INSULATED BUSHINGS SERVING ALL LOW VOLTAGE CABLING. DO NOT EXCEED 40% PIPE FILL.
- INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
- COORDINATE ELECTRICAL REQUIREMENTS WITH DOOR CONTRACTOR PRIOR TO INSTALLATION.
- COORDINATE ALL DEVICES WITH ARCHITECTURAL PLANS, CASEWORK SUBMITTALS, & OWNER PROVIDED EQUIPMENT.
- ALL DEVICES CALLED OUT TO BE INSTALLED AT NON-STANDARD HEIGHTS SHALL BE VERIFIED WITH DESIGN TEAM PRIOR TO ROUGH-IN.
- ALL NEW WORK INDICATED IN EXISTING WALLS SHALL BE INSTALLED WITH CONCEALED WIRING AND FLUSH-MOUNTED DEVICES. CUTTING AND PATCHING SHALL BE BY GENERAL CONTRACTOR.
- FIRE ALARM INITIATING DEVICES SHALL NOT BE INSTALLED WITHIN 36 INCHES HORIZONTALLY FROM FORCED AIR HVAC DIFFUSERS OR THE END OF CEILING FAN BLADES.
- PRIOR TO ROUGH-IN, COORDINATE EXACT MONITOR ELECTRICAL DEVICE HEIGHTS AND LOCATION WITH THE OWNER'S DESIRED MOUNTING BRACKET. DEVICES AND CABLES SHALL BE CONCEALED AND IN AN ORDERLY FASHION.

#### REFERENCED NOTES:

- ACCESS CONTROL LOCATION. REFER TO DETAILS SHEETS AND ARCHITECTURAL SPECIFICATIONS FOR FURTHER INFORMATION ON DOOR TYPE, CABLING, AND ROUGH-IN REQUIREMENTS.
- LOCATION OF OWNER FURNISHED. CONTRACTOR INSTALLED, WIRELESS ACCESS POINT (WAP), STRUCTURED CABLING. CONTRACTOR SHALL PROVIDE TWO (2) CATEGORY 6/6A CABLES TERMINATED ABOVE CEILING TO A DISCUT JACK. PROVIDE FINAL PATCH CABLES FOR OWNER TO PATCH TO FIELD DEVICE. ALLOW FOR A 10FT SERVICE LOOP AT ACCESSIBLE CEILINGS. EXPOSED LOCATIONS SHALL BE CONCEALED AND SERVICE LOOP SHALL BE AT THE CLOSET LOCATIONS.
- PROVIDE AN EMERGENCY DURESS BUTTON EQUAL TO STTS UNIVERSAL BUTTON MODEL #UB-2 WITH UB-2LENS AND KIT-E10147 BACKLIGHT. PROVIDE WITH STI-6518. COORDINATE INSTALLATION PRIOR TO ROUGH-IN WITH DESIGN TEAM. COORDINATE INTERFACE BETWEEN FIREALARM SYSTEM FOR MONITORING AND DIALING OF 911.
- OWNER FURNISHED CONTRACTOR INSTALLED WALL RACK.
  - CONTRACTOR SHALL PROVIDE AC GRADE FIRE RETARDANT PLYWOOD PAINTED WHITE WITH FIRE RETARDANT PAINT.
  - ALL CABLE SHALL HAVE A 1' SERVICE LOOP ABOVE RACK.
  - CABLE SHALL BE NEATLY MANAGED DOWN THE WALL AND IN RACK FOR TERMINATION.
  - STRUCTURED CABLING CONTRACTOR SHALL PROVIDE 6 STRAND SINGLE MODE FIBER BACK TO MDF.
- APPROXIMATE LOCATION OF FLOOR BOX. ARCHITECT SHALL PROVIDE A DIMENSIONED DRAWING ON EXACT LOCATION PRIOR TO ROUGH-IN. SEE FLOOR BOX SCHEDULE ON THE ELECTRICAL SHEETS FOR NETWORK AND AUDIOVISUAL CONNECTIONS.
- SECURITY CONTRACTOR SHALL PROVIDE CHIEF CM5492 OR EQUIVALENT, 2" X 2" IN-CEILING ENCLOSURE. TO MOUNT MODULAR CAMERA MAIN UNITS. ENCLOSURE SHALL BE CENTRALLY LOCATED WITHIN 90° OF MODULAR CAMERAS. COORDINATE LOCATION WITH OTHER TRADES AND OWNER PRIOR TO ROUGH-IN.
- NO WORK IN RESTROOMS UNDER BASE BID. RESTROOMS WORK UNDER ALTERNATE BID #1 ONLY.
- DASHED LINES ARE INDICATING RENOVATION AREA. AREAS OUTSIDE OF DASH LINES ARE TO REMAIN EXISTING UNLESS OTHERWISE INDICATED OR REQUIRED TO SERVE DEVICES LOCATED IN RENOVATION AREA.

INVISION  
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WATERLOO | DES MONIES | IOWA CITY  
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#### REVISIONS:

Description	Date	No.
ADD #1	1/19/2024	1

#### OWNER SIGN-OFF:

DATE NAME

BLACK HAWK COUNTY  
COURTHOUSE RENOVATIONS

316 E 5th Street, Waterloo, IA 50703

PROJECT NO:  
23109

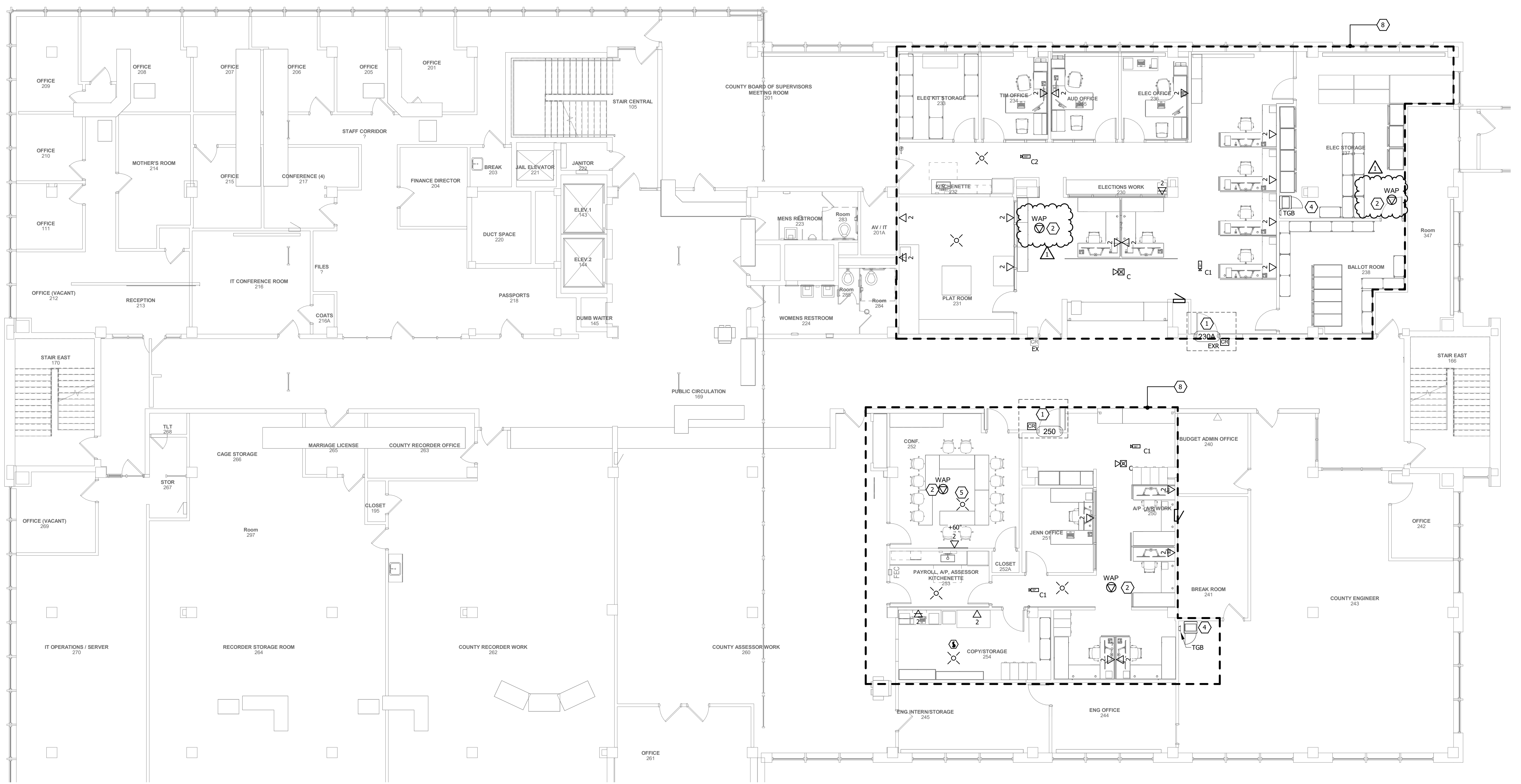
DATE:  
JANUARY 4, 2024  
SHEET SET:  
BID DOCUMENTS

SHEET NAME:  
1ST FLOOR LOW  
VOLTAGE PLAN

SHEET:

T1.11

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1 2ND FLOOR LOW VOLTAGE PLAN  
1/8\" = 1'-0"

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- PROVIDE CONDUIT SLEEVES WITH INSULATED BUSINGS SERVING ALL LOW VOLTAGE CABLING. DO NOT EXCEED 48% PIPE FILL.
- INSTALL DEVICES SUCH THAT NO TWO DEVICES ON OPPOSITE SIDES OF SAME WALL ARE WITHIN 6" OF EACH OTHER.
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REFERENCED NOTES:

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  - PROVIDE AN EMERGENCY DURESS BUTTON EQUAL TO STTS UNIVERSAL BUTTON MODEL #UB-2 WITH UB-2LENS AND KIT-E10147 BACKLIGHT. PROVIDE WITH STT-6518. COORDINATE INSTALLATION PRIOR TO ROUGH-IN WITH DESIGN TEAM. COORDINATE INTERFACE BETWEEN FIREALARM SYSTEM FOR MONITORING AND DIALING OF-911.
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  - SECURITY CONTRACTOR SHALL PROVIDE CHIEF CM5492 OR EQUIVALENT, 2 X 2 IN-CEILING ENCLOSURE, TO MOUNT MODULAR CAMERA MAIN UNITS. ENCLOSURE SHALL BE CENTRALLY LOCATED WITHIN 98" OF MODULAR CAMERAS. COORDINATE LOCATION WITH OTHER TRADES AND OWNER PRIOR TO ROUGH-IN.
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REVISIONS:

Description	Date	No.
ADD #1	1/19/2024	1

OWNER SIGN-OFF:

DATE NAME