

Addendum #1

MULTIPLE BUILDING LIGHTING RETROFIT MIDDLE TENNESSEE STATE UNIVERSITY Murfreesboro, Rutherford County, Tennessee



ICT PROJECT NO. 180502.11

November 26, 2024

This Revision forms a part of the Contract Documents and modifies the original Documents dated November 8, 2024 as outlined here in addition to being shown on the drawings.

CHANGES TO THE OVERALL SCOPE:

The scope of work for Addendum 1 includes answers to prebid questions and two (2) revised specification sections.

Prebid Questions:

1. When is deadline for questions and last addendum? ICT Response – Questions should be received by Wednesday December 4th, 2024 end of day and last addendum will be issued Friday December 6th, 2024.
2. For the type '40' in the Student Union Building, do these need to be reballasted as well? ICT Response – Yes. Revised drawings are issued to indicate this as part of this Addendum.
3. Is RAM board required on the floors to protect them where a lift is used? ICT Response – Yes, floor protection will be required where lifts are utilized.
4. What is the life expectancy of the replacement lamps? ICT Response – This has been clarified on the drawings in Addendum 1.
5. Is the TVA rebate program going to be pursued for this project? ICT Response – Yes, ICT is also the TVA Energy Partner for this.
6. For the emergency lamps with ballast bypass, how many lamps require batteries? ICT Response – Reference revised Addendum 1 drawings for number of lamps requiring batteries. Only the KUC building has lamps that require integral battery backup.
7. Is fluorescent lamp recycling required? ICT Response – Yes, this is required.
8. Is the contractor responsible for removing the large ceilings in the Prefunction area of the Student Union Building for required rework? ICT Response – There is a separate project that is changing the ceilings and contractor shall work with that project's contractor to schedule work while the ceilings are out in this area. Drawings have been revised to indicate this.

Specifications:

1. 00 52 13 – Issued for the first time.
2. 00 61 13 – Issued for the first time.

Drawings:

1. E001 – Updated fixture schedule to clarify the requirements of the replacement lamps and clarified the old lamps should be recycled.
2. E002 – Revised type 40 to clarify it should be reballasted and added replacement of type 21 fixtures.
3. E101D – Clarified how the new Pendant in the dining is fed. Added General Note D.
4. E102B – Clarified that the contractor should coordinate with the ceiling replacement project contractor to access above ceiling of Prefunction area. Added General Note D.
5. E111 – Clarified existing emergency lighting locations and added 2 emergency lights.
6. E112 – Clarified existing emergency lighting locations.
7. E113 – Removed areas that are currently being replaced from the scope of work and clarified the existing emergency lighting locations.
8. E121 – Changed scope of work to replace existing lights with new recessed flat panels.
9. E122 – Changed scope of work to replace existing lights with new recessed flat panels.
10. E123 – Changed scope of work to replace existing lights with new recessed flat panels.

END OF ADDENDUM 1



MULTIPLE BUILDING LIGHTING RETROFIT
MIDDLE TENNESSEE STATE UNIVERSITY
PREBID SIGN IN

<u>NAME</u>	<u>COMPANY</u>	<u>EMAIL</u>	<u>PHONE</u>
Jason Carter	Madison PowerTel	jason@MadisonPowerTel.com	615-785-4591
MATT ALLEN	MADISON POWERTEL	MATT@MADISONPOWERTEL.COM	615-542-8530
Jon COPCIAC	TIBBETTS	j.copciac@tibbetts-electric.com	(615) 785-5848
Rich Ray	Tibbetts	R.Ray@Tibbetts-Electric.com	615 775-5789
Winston Brooks	Trace Electrical	Winston@traceelectricaltn.com	615-238-7631
James Rogers	Trace Electrical	james@traceelectricaltn.com	615-980-1060
Tim Osgood	Beech	timosgood@beech-construction.com	615-427-5117
Shane Carmichael	Skilled Services	estimating@skservicesllc.com	865-599-5397
Steve Van De Voorde	Van De Voorde Services, LLC	steve@VDVElectric.com	931-265-6256
Andrew Rogan	In Z Electric	andrew@inzelectric.com	615-332-5252
Jeremy Donnell	VP Mechanical	DonnellElectrical@gmail.com	931-492-0204
CARLOS GUERRERO	CG INTERIORS	CARLOS@CGINTERIORS.NET	714-300 8824

MTSU

Jamie Brewer
Kristin England
Lane Merryman
Julie Morrell
Justin Reed

Agreement

Between Owner and Contractor

Where the Basis of Payment is a
Stipulated Sum.

AGREEMENT

made as of the <<Number, e.g. "2nd">> day of <<Month>>
in the year of <<Year number in words>>.

BETWEEN THE OWNER:

State of Tennessee, via the Contracting Agency:
<<State Procurement Agency>>
<<Street or P.O. Box>>
<<City, State, Zip Code>>

AND THE CONTRACTOR:

<<Contractor Name>>
<<Street or P.O. Box>>
<<City, State, Zip Code>>

ACH Address: <<Street or P.O. Box>>
<<City, State, Zip Code>>

THE PROJECT:

<<SBC Number>>
<<Campus or Institution Name>>
<<Project Title Designated by Owner>>

THE DESIGNER:

<<Designer Name>>
<<Street or P.O. Box>>
<<City, State, Zip Code>>

THE OWNER AND THE CONTRACTOR AGREE AS SET FORTH BELOW.

00 52 13 – AGREEMENT

ARTICLE 1 – THE WORK AND THE CONTRACT DOCUMENTS

- 1.1 The Contractor shall perform all the Work required by the Contract Documents for the Project identified on page one.
- 1.2 The Contract Documents are identified in the Conditions of the Contract (General, Supplementary, and other Conditions). These form the Contract and constitute the entire agreement between the Owner and the Contractor, and are as fully a part of the Contract as if attached to this Agreement or repeated herein. An enumeration of the Contract Documents appears in paragraph 1.4.
- 1.3 Terms used in this Agreement which are defined in the Conditions of the Contract shall have the meanings designated in those Conditions.
- 1.4 The Contract Documents, except for Modifications issued after execution of this Agreement, are enumerated as follows:
 1. This Agreement.<<Continued list of Contract Documents including applicable drawings, project manual, and addenda>>

00 52 13 – AGREEMENT

ARTICLE 2 – TIME OF COMMENCEMENT AND SUBSTANTIAL COMPLETION

- 2.1 The Work to be performed under this Contract shall be commenced on the date stipulated in the Notice to Proceed; and, subject to authorized adjustments, Substantial Completion shall be achieved in
<<Number of calendar days from and including the date stipulated in the Notice to Proceed>>
- 2.2 Liquidated Damages, as set forth in the Conditions of the Contract, are
<<Dollar amount per calendar day>>

ARTICLE 3 – CONTRACT SUM

- 3.1 The Owner shall pay the Contractor in current funds for the performance of the Work, subject to Modifications as provided in the Contract Documents, the Contract Sum of
<<Contract Sum in words>>
(\$<<Contract Sum in numbers>>)
- 3.2 The Contract Sum is determined as follows:
<<Listing of base bid and any alternates and total>>
- 3.3 The following Unit Prices will be used as specified:
<<Listing or statement of none established at initial award>>

00 52 13 – AGREEMENT

This instrument may be executed in one or more counterparts. It shall be fully executed when each party whose signature is required has signed at least one counterpart, even though no one counterpart contains the signatures of all the parties to this instrument. Electronic, scanned or facsimile signatures shall have the same force and effect as original signatures.

This Agreement entered into as of the day and year first written above as witnessed:

BY CONTRACTOR: <<Contractor Name>>

Signature: _____
Name: _____
Title: _____

AND BY OWNER: State of Tennessee,
<<State Procurement Agency>>

By: _____
Head of Higher Education Institution
<<Name>>
<<Title>>

Approved: _____
Head of Financial Office
<<Name>>
<<Title>>

Approved: _____
Head of Legal Office
<<Name>>
<<Title>>

Approved: _____
Head of State Procurement Agency
<<Name>>
<<Title>>

Approved: _____
State Architect

END OF AGREEMENT FORM for the Project titled:

<<SBC Number>>
<<Campus or Institution Name>>
<<Project Title Designated by Owner>>

00 61 13 – CONTRACT BOND

Bond No. <<Number>>

TENNESSEE STATE BUILDING COMMISSION STANDARD FORM

Know all men by these presents: that we

<<Name>>

(hereinafter called the "Principal") and

<<Name>>

(hereinafter called the "Surety") do hereby acknowledge ourselves indebted and securely bound and held unto

State of Tennessee

<<State Procurement Agency>>

<<Address Line 1>>

<<Address Line 2>>

(hereinafter called the "Owner"), and in the penal sum of

<<Amount>>

good and lawful money of the United States of America, for the use and benefit of those entitled thereto, for the payment of which, well and truly to be made, we bind ourselves, our heirs, our administrators, executors, successors, and assigns, jointly and severally, firmly by these presents.

But the condition of the foregoing obligation or bond is this:

Whereas, the Owner has engaged the principal for the sum of

<<Amount>>

to complete the Work of the project titled: <<Title>>

SBC No. <<Number>>

as more fully appears in a written agreement or contract bearing the date of <<Date>>

a copy of which said agreement or contract is by reference hereby made a part thereof, as fully and to the same extent as if copied in length herein, and it is the desire of the Owner that the Principal shall assure all undertakings under said agreement or contract and shall assure and protect all laborers and furnishers of material on said Work both as provided by Tennessee Code Annotated Sections 4-15-102 (f)(2) and 12-4-201 through 12-4-206, and any and all amendments thereto, and shall assure the prompt payment of claims as provided by Tennessee Code Annotated Sections 12-4-207 through 12-4-208, and any and all amendments thereto. The Principal shall also comply with provisions of Tennessee Code Annotated Sections 12-4-401 through 12-4-415, and any and all amendments thereto, pertaining to the payment of the prevailing wage rate.

00 61 13 – CONTRACT BOND

Now, therefore, if the Principal shall fully and faithfully perform all undertakings and obligations under the contract hereinbefore referred to and shall fully indemnify and hold harmless the Owner from all costs and damage whatsoever which it may suffer by reason of any failure on the part of the Principal to do so, and shall fully reimburse and repay the Owner any and all outlay and expense which it may incur in making good any such default, and shall fully pay for all of the labor, material and work used by the Principal and any immediate or remote sub-contractor or furnisher of material under him in the performance of said contract, in lawful money of the United States, as the same shall become due, then this obligation or bond shall be null and void, otherwise to remain in full force and effect.

And for value received, it is therefore stipulated and agreed that no change, extension of time, alteration or addition to the terms of the contract or to the Work to be performed thereunder or to the specifications accompanying the same shall in any wise affect the obligation under this bond, and notice is hereby waived of any such change, extension of time, alteration or addition to the terms of the contract or to the Work or to the specifications.

In witness whereof the Principal has hereunto affixed its signature and Surety has hereunto caused to be affixed its corporate signature and seal, by its duly authorized officers, on this <<Day number>> day of <<Month>>, 20<<Year number>>.

Executed in <<Number>> counterparts.

Witness:

<<Name of Principal>>
(Name of Principal)

<<Name of Surety>>
(Name of Surety)

(Authorized Signature)

(Signature of Attorney-in-fact)

<<Name of Signatory>>
(Name of Signatory)

<<Name of Attorney-in-fact>>
(Name of Attorney-in fact)

<<Title of Signatory>>
(Title of signatory)

<<License Number>>
(Tennessee license number of Agent
or Attorney-in-fact)

(Countersignature of Agent
if not same as Attorney-in-fact)

Surety Company issuing bond shall be licensed to transact business in State of Tennessee by Tennessee Department of Commerce and Insurance. Bonds shall have certified and current Power-of-Attorney for the Surety's Attorney-in-Fact attached. Attorney-in-Fact who executes bond on behalf of Surety shall be licensed by the State of Tennessee, and shall affix license number to bond; or, countersignature by a licensed agent of the State of Tennessee, and the agent's license number, shall be affixed to the bond in addition to the signature of the Attorney-in-Fact.

END OF SECTION

Lighting Fixture Schedule							
Type	Lamp	Mount	Description	Temperature	L70	Lumens	Equal Manufacturer
'A'	3-32W T8	RECESSED	3 LAMP PARABOLIC	3500K	50,000	2000	SATCO / PHILLIPS / GE
'AE'	3-32W T8	RECESSED	3 LAMP PARABOLIC - W/EM. BATTERY BACKUP - 2 LAMPS	3500K	50,000	2000	SATCO / PHILLIPS / GE
'B'	2-32W T8	WALL	2 LAMP WALL MOUNT	3500K	50,000	2000	SATCO / PHILLIPS / GE
'C'	2-32W T8	SURFACE	2 LAMP STRIP	3500K	50,000	2000	SATCO / PHILLIPS / GE
'CE'	2-32W T8	SURFACE	2 LAMP STRIP W/EM BATTERY BACKUP - 1 LAMP	3500K	50,000	2000	SATCO / PHILLIPS / GE
'D'	1-INC. SCREW-IN	SURFACE	1-LAMP SCREW-IN	3500K	50,000	1500	SATCO / PHILLIPS / GE
'E'	1-INC. SCREW-IN	WALL	1-LAMP SCREW-IN	3500K	50,000	1500	SATCO / PHILLIPS / GE
'G'	2-INC. SCREW-IN	WALL	2-LAMP SCREW-IN	3500K	50,000	1500	SATCO / PHILLIPS / GE
'H'	2 U-LAMP	SURFACE	2 U-LAMP SURFACE MOUNT	3500K	50,000	2000	SATCO / PHILLIPS / GE
'I'	2-32W T8	RECESSED	2 LAMP PRISMATIC	3500K	50,000	2000	SATCO / PHILLIPS / GE
'J'	2-42W	RECESSED	FL. CAN LIGHT	3500K	50,000	1500	SATCO / PHILLIPS / GE
'JE'	2-42W	RECESSED	FL. CAN LIGHT - W/EM. BATTERY BACKUP - 1 LAMP	3500K	50,000	1500	SATCO / PHILLIPS / GE
'K1'	LED	RECESSED	PROVIDE COLUMBIA # CBT24ALSCSEDD SWITCHABLE FLAT PANEL	SWITCH	60,000	SWITCH	LITHONIA / WILLIAMS
'K'	1-32W T8	WALL	4' FLUORECENT STRIP	3500K	50,000	2000	SATCO / PHILLIPS / GE
'L'	1-17W T8	WALL	2' FLUORECENT STRIP	3500K	50,000	2000	SATCO / PHILLIPS / GE
'M'	2-32W T8	SURFACE	2 LAMP PRISMATIC SURFACE MOUNT	3500K	50,000	2000	SATCO / PHILLIPS / GE
'N'	4-32W T8	SURFACE	4x4 4 LAMP SURFACE MOUNT	3500K	50,000	2000	SATCO / PHILLIPS / GE
'O'	1-INC. SCREW-IN	RECESSED	1-LAMP SCREW-IN DOWNLIGHT	3500K	50,000	1500	SATCO / PHILLIPS / GE
'P'	3-32W T8	RECESSED	12"x12" RECESSED SCREW-IN	3500K	50,000	2000	SATCO / PHILLIPS / GE
'Q'	3-32W-T8	RECESSED	2 LAMP PARABOLIC - 2 LAMP	3500K	50,000	2000	SATCO / PHILLIPS / GE
'QE'	3-32W-T8	RECESSED	DIRECT/INDIRECT 2x4 - 3 LAMP - W/EM. BATTERY BACKUP - 2 LAMPS	3500K	50,000	2000	SATCO / PHILLIPS / GE
'R'	2-32W-T8	RECESSED	DIRECT/INDIRECT 2x4 - 2 LAMP	3500K	50,000	2000	SATCO / PHILLIPS / GE
'RE'	3-32W-T8	RECESSED	DIRECT/INDIRECT 2x4 - 2 LAMP - W/EM. BATTERY BACKUP - 1 LAMP	3500K	50,000	2000	SATCO / PHILLIPS / GE
'S'	2-32W-T8	RECESSED	PRISMATIC	3500K	50,000	2000	SATCO / PHILLIPS / GE
'T'	10-32W-T8	PENDANT	PENDANT	3500K	50,000	2000	SATCO / PHILLIPS / GE
'U'	1-26W CFL	RECESSED	DOWNLIGHT	3500K	50,000	1500	SATCO / PHILLIPS / GE
'V'	1-INC. SCREW-IN	RECESSED	DOWNLIGHT W/EM. BATTERY BACKUP	3500K	50,000	1500	SATCO / PHILLIPS / GE
'W'	1-INC. SCREW-IN	RECESSED	1 LAMP LARGE RECESSED DOWNLIGHT - REFERENCE NOTE ON PLAN - PROVIDE LARGE GLOBE EDISON LAMP	3500K	50,000	1500	SATCO / PHILLIPS / GE
'X'	1-INC. SCREW-IN	PENDANT	1 LAMP LARGE FLAT PANEL MOUNTING PROVIDED FROM VENDOR - LOW 80V01 LENS GBUVNN	3500K	54,000	3375/3750	MARK / LEDALIGHT
J1	2-32W T8	SURFACE	STRIP LIGHT	3500K	50,000	2000	SATCO / PHILLIPS / GE
J2	2-32W T8	SURFACE	SURFACE STRIP	3500K	50,000	2000	SATCO / PHILLIPS / GE
J3	1-INC. SCREW-IN	RECESSED	DOWNLIGHT	3500K	50,000	1500	SATCO / PHILLIPS / GE
J4	1-INC. SCREW-IN	SURFACE	KITCHEN HOOD	3500K	50,000	1500	SATCO / PHILLIPS / GE
J5	LED	RECESSED	DIMMABLE LED DOWNLIGHT-NEW - PROVIDE PRESCLTOITE # LTR-6RD-H-VL-60L-DM01-SS-WT	3500K	55,000	6000	INTENSE / GOTHAM
J6	2-17W T8	WALL	2 LAMP PARABOLIC	3500K	50,000	2000	SATCO / PHILLIPS / GE
J8	7-CANDELABRA	PENDANT	CANDELABRA- PROVIDE NEW LED SCREW-IN DIMMABLE CANDELABRA	3500K	50,000	1000	SATCO / PHILLIPS / GE
J9	CFL	WALL	WALL MOUNT	3500K	50,000	1500	SATCO / PHILLIPS / GE
J10	48W LED	RECESSED	2x4 FLAT PANEL - REPLACE EXISTING LIGHT W/COLUMBIA # CBT24ALSCSEDD	SWITCH	60,000	SWITCH	LITHONIA / WILLIAMS
J12	2-17W T8	RECESSED	2x2 - 2 LAMP	3500K	50,000	2000	SATCO / PHILLIPS / GE

GENERAL NOTES:

- A. ALL TUBE FLUORESCENT LAMP FIXTURES SHALL BE REWIRED AND REWORKED TO REMOVE BALLASTS AND BE DIRECT WIRED LED LAMPS. CFL DOWNLIGHTS SHALL HAVE BALLASTS BYPASSED AND LAMPS REPLACED WITH LED LAMPS. SCREW IN LAMPS SHALL BE REPLACED WITH NEW LED SCREW IN LAMPS. ALL LAMPS SHALL BE 3500K
- B. CONTRACTOR SHALL RECYCLE ALL FLUORESCENT LIGHTING PER STATE REQUIREMENTS. PROVIDE PERMITS, INSURANCE, ETC. REQUIRED.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT TO CENTERLINE UNLESS NOTED
	CONDUIT CONCEALED IN WALL OR CEILING	
	CONDUIT CONCEALED IN FLOOR	
	CONDUIT EXPOSED ON WALL OR CEILING	
	HOME-RUN CONDUIT, 2 CIRCUITS	
	CONDUIT TURNING UP	
	CONDUIT TURNING DOWN	
	SURFACE MOUNTED FLUORESCENT/LED LIGHT FIXTURE	
	SURFACE MOUNTED FLUORESCENT/LED LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP	
	RECESSED FLUORESCENT/LED LIGHT FIXTURE	
	RECESSED FLUORESCENT/LED LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP	
	SURFACE MOUNTED WALL LIGHT FIXTURE	
	SURFACE MOUNTED WALL LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP	
	RECESSED WALL LIGHT FIXTURE	
	RECESSED WALL LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP	
	SURFACE MOUNTED FLUORESCENT/LED LIGHT FIXTURE	
	SURFACE MOUNTED FLUORESCENT/LED LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP	
	RECESSED FLUORESCENT/LED LIGHT FIXTURE	
	RECESSED FLUORESCENT/LED LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP	
	SURFACE MOUNTED FLUORESCENT/LED LIGHT FIXTURE	
	SURFACE MOUNTED FLUORESCENT/LED LIGHT FIXTURE WITH EMERGENCY BATTERY BACKUP	
	EXIT LIGHT, CEILING MOUNTED	
	EXIT LIGHT, WALL MOUNTED	
	TWO-HEAD BATTERY POWERED EMERGENCY EGRESS LIGHT	
	REMOTE EMERGENCY BATTERY PACK	
	LIGHTING FIXTURE TYPE DESIGNATION-SEE LIGHTING FIXTURE SCHEDULE	
	AREA OR STREET LIGHT FIXTURE	
	DRESSING ROOM PILOT LIGHT	
	SOLENOID VALVE	
	RELAY	
	TRANSFORMER	
	JUNCTION BOX	
	PULL BOX	
	ENCLOSED CIRCUIT BREAKER	
	CEILING MOUNTED VACANCY SENSOR	
	PHOTO-ELECTRIC SWITCH	
	CEILING MOUNTED OCCUPANCY SENSOR	
	SINGLE POLE SWITCH	46"
	TWO POLE SWITCH	46"
	THREE-WAY SWITCH	46"
	FOUR WAY SWITCH	46"
	SINGLE POLE DIMMER SWITCH	46"
	WALL MOUNTED OCCUPANCY SENSOR SWITCH	46"
	THREE-WAY DIMMER SWITCH	46"
	THERMAL MOTOR SWITCH, LOCKABLE IN THE "OFF" POSITION - (FBE)	
	THERMAL MOTOR SWITCH, LOCKABLE IN THE "OFF" POSITION, WEATHERPROOF-(FBE)	
	NON-THERMAL MOTOR SWITCH, LOCKABLE IN THE "OFF" POSITION, SQUARE D TYPE K OR APPROVED EQUAL	
	KEY OPERATED SWITCH	46"
	SINGLE POLE SWITCH WITH PILOT LIGHT	46"
	SINGLE POLE SWITCH, WEATHERPROOF	46"
	LOW VOLTAGE CONTROL SWITCH	

ABBREVIATIONS

- SYMBOLS GENERAL NOTES:
- A. ALL MOUNTING HEIGHTS GIVEN IN THE LEGEND, SCHEDULES, PLANS, AND DRAWING NOTES ARE TO THE CENTERLINE OF THE DEVICE, UNLESS OTHERWISE NOTED.
- B. INSTALL ALL SWITCHES AT A CENTERLINE HEIGHT OF 46" A.F.F. UNLESS OTHERWISE NOTED. WHERE SWITCHES OR RECEPTACLES ARE MOUNTED ABOVE CASEWORK OR MILLWORK, LOCATE AT A HEIGHT OF 3'-8" MAX. ABOVE FINISHED FLOOR OR 3" ABOVE BACKPLASH TO CENTERLINE.
- C. WHERE COVERPLATES CONFLICT WITH CASEWORK OR MILLWORK, SLIGHTLY ADJUST THE MOUNTING HEIGHTS OF THE WIRING DEVICES TO MAKE THE COVERPLATES CLEAR THE COUNTERTOP OR BACKSLASH BY 1".
- D. ALL SYMBOLS, NOTES, AND ABBREVIATIONS SHOWN ON THE LEGEND ARE NOT NECESSARILY USED IN THIS SET OF CONTRACT DOCUMENTS.
- E. NUMERICAL SUBSCRIPT ADJACENT TO DEVICE FIXTURE, EQUIPMENT OR JUNCTION BOX SYMBOL ON THE DRAWINGS DENOTES THE PANELBOARD CIRCUIT NUMBER TO WHICH DEVICE, FIXTURE, EQUIPMENT OR WIRING IN JUNCTION BOX IS CONNECTED.

DATE -- BY -- -- DATE -- BY -- -- DATE -- BY -- -- DATE -- BY -- -- DATE -- BY -- 11-26-24 -- -- ADDENDUM 1

ELECTRICAL LEGEND AND SCHEDULE

MTSU Multiple Building Lighting Retrofit

Murfreesboro, Tennessee

I.C. THOMASSON ASSOCIATES, INC.
CONSULTING ENGINEERS
NASHVILLE, TN. (615) 346-3400

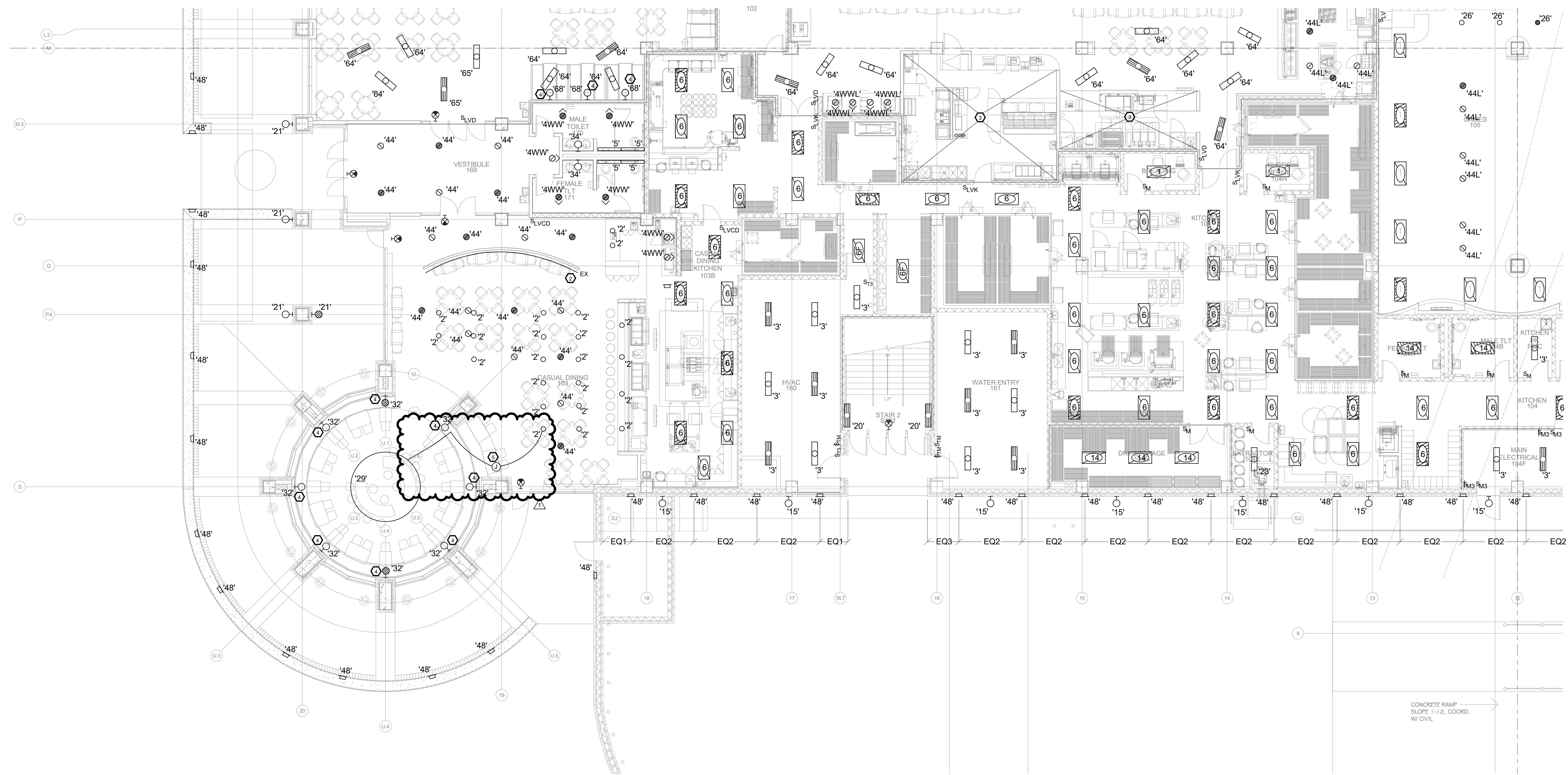
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CHECKED BY Checker	ISSUE DATE 11/08/24	SHEET No. E001
FILENAME E001	PLOT DATE	

GENERAL NOTES:

- A. CONTRACTOR TO CLEAN DUST OFF ALL FIXTURES.
- B. ALL TUBE FLUORESCENT LAMP FIXTURES SHALL BE REWIRED AND REWORKED TO REMOVE BALLASTS AND BE DIRECT WIRED LED LAMPS. CFL DOWNLIGHTS SHALL HAVE BALLASTS BYPASSED AND LAMPS REPLACED WITH LED LAMPS. SCREW IN LAMPS SHALL BE REPLACED WITH NEW LED SCREW IN LAMPS. PROVIDE NEW EMERGENCY BATTERY BACKUP FOR 90 MINUTE MINIMUM OF RUNTIME UPON LOSS OF POWER.
- C. CONTRACTOR TO COORDINATE ALL WORK TIME/ACCESS WITH OWNER.
- D. CONTRACTOR SHALL PROVIDE FLOOR PROTECTION FOR ALL LIFTS UTILIZED IN STUDENT UNION BUILDING.

ELECTRICAL NOTES:

- 1. EXISTING IN GRADE FIXTURE TO BE REPLACED WITH NEW RIB FIXTURE. ALL WORK ASSOCIATED WITH THIS IS ADD ALTERNATE #1.
- 2. EXISTING LED FIXTURES TO REMAIN.
- 3. LIGHTING IN THIS AREA HAS BEEN REPLACED. NO WORK IN THIS AREA.
- 4. EXISTING WALL SCONCE TO BE REPLACED. CONTRACTOR SHALL TOUCH UP PAINT WALL TO MATCH.
- 5. CONNECT NEW PENDANT TO EXISTING NORMAL LIGHTING CIRCUIT IN SPACE. ROUTE CONDUIT INTO SOFFIT THEN UP ALONG STRUCTURE AND OVER TO PENDANT SUSPENSION/ FEED POINT. PAINT ALL SURFACE MOUNTED CONDUIT ON STRUCTURE EXPOSED GREY TO MATCH.

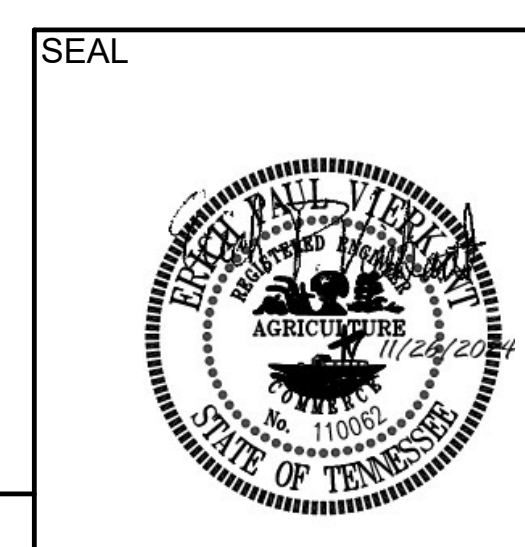


LIGHTING - MTSU SUB LEVEL 1 - PART D
1/8" = 1'-0"

LIGHTING - MTSU SUB LEVEL 1 - PART D

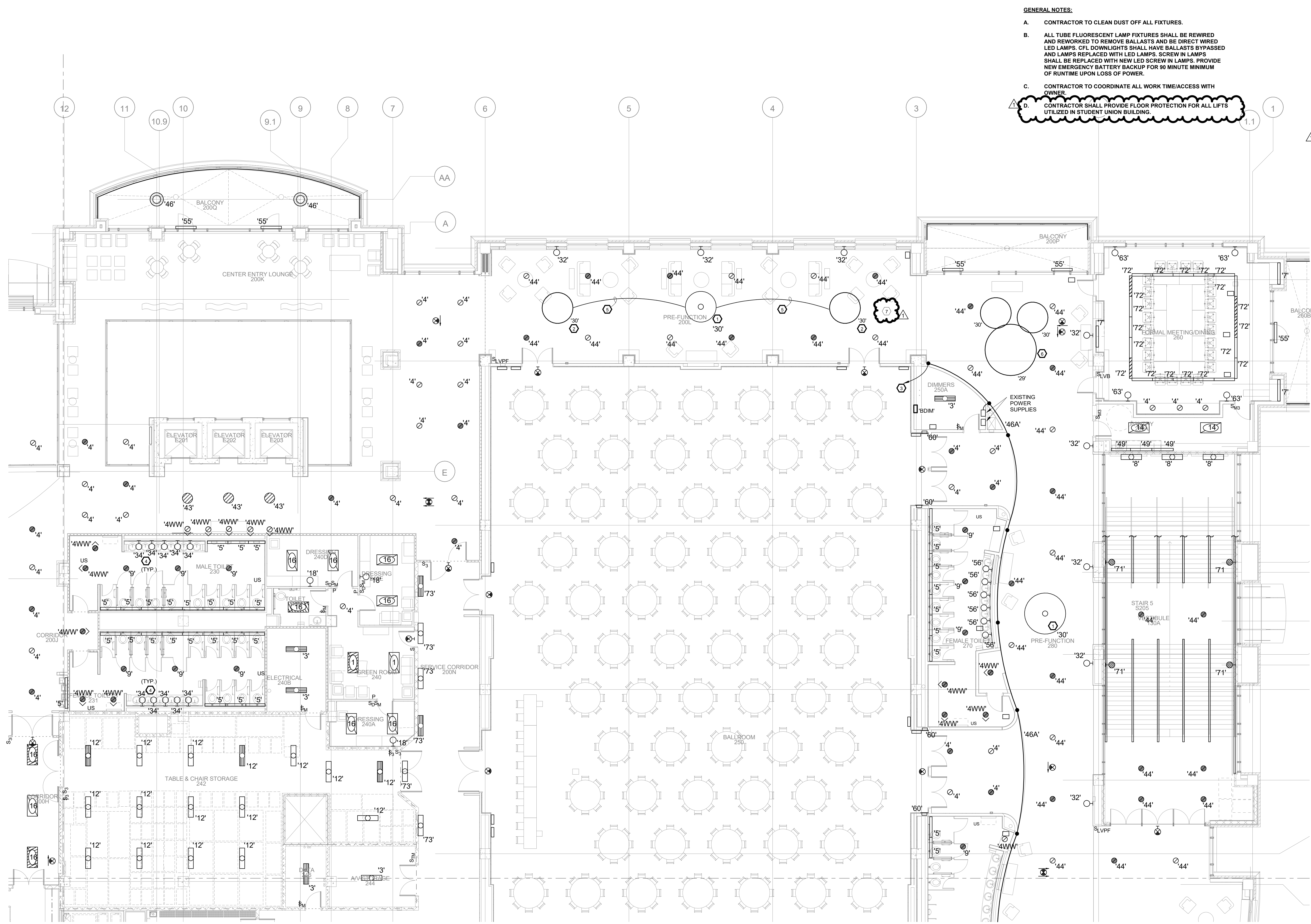
MTSU Multiple Building Lighting Retrofit

Murfreesboro Tennessee
I.C. THOMASSON ASSOCIATES, INC.
CONSULTING ENGINEERS
NASHVILLE, TN. (615) 346-3400



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FILENAME E101D	PLOT DATE	

DATE --	DATE --	DATE --	DATE --	DATE 11-26-24	ADDENDUM 1
BY --	BY --	BY --	BY --	BY --	BY --



GENERAL NOTES:

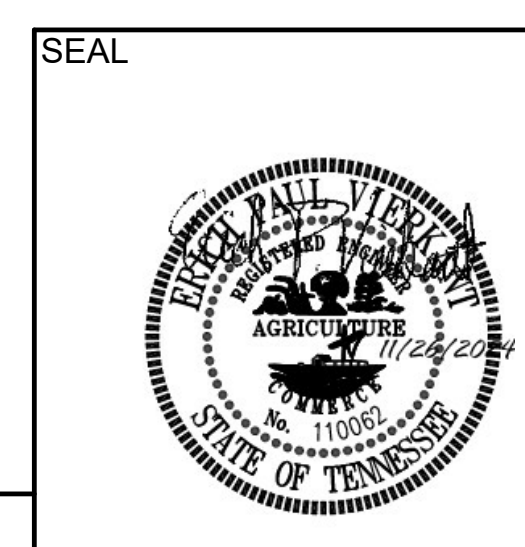
- A. CONTRACTOR TO CLEAN DUST OFF ALL FIXTURES.
- B. ALL TUBE FLUORESCENT LAMP FIXTURES SHALL BE REWIRED AND RENOVATED TO REMOVE BALLASTS AND BE DIRECT WIRED LED LAMPS. CFL DOWNLIGHTS SHALL HAVE BALLASTS BYPASSED AND LAMPS REPLACED WITH LED LAMPS. SCREW IN LAMPS SHALL BE REPLACED WITH NEW LED SCREW IN LAMPS. PROVIDE NEW EMERGENCY BATTERY BACKUP FOR 90 MINUTE MINIMUM OF RUNTIME UPON LOSS OF POWER.
- C. CONTRACTOR TO COORDINATE ALL WORK TIME/ACCESS WITH OWNER.
- D. CONTRACTOR SHALL PROVIDE FLOOR PROTECTION FOR ALL LIFTS UTILIZED IN STUDENT UNION BUILDING.

ELECTRICAL NOTES:

- 1. EXISTING PENDANT SHALL BE REPLACE WITH NEW PENDANT.
- 2. PROVIDE NEW PENDANT AT THIS LOCATION. CONNECT TO EXISTING HALLWAY PENDANT CIRCUITRY.
- 3. EXISTING TYPE '46' COVE LIGHT SHALL BE REPLACED WITH NEW RGB TYPE. PROVIDE NEW DMX CONTROL TO ETC SYSTEM IN DIMMER ROOM.
- 4. CONTRACTOR SHALL REPLACE EXISTING BATHROOM SCONCE WITH NEW TYPE. CONTRACTOR SHALL TOUCH UP PAINT WALL TO MATCH.
- 5. CONNECT NEW PENDANTS TO OLD PENDANT CIRCUITRY.
- 6. EXISTING PENDANT SHALL BE REPLACED WITH 3 PENDANTS OF VARYING HEIGHTS. CONNECT TO EXISTING CIRCUITRY.
- 7. CONTRACTOR SHALL COORDINATE WITH SEPARATE CEILING PROJECT CONTRACTOR TO ACCESS ABOVE CEILING IN PRE-FUNCTION SPACE WHILE CEILINGS ARE OUT.

LIGHTING - MTSU SUB LEVEL 2-PARTB
1/8" = 1'-0"

LIGHTING - MTSU SUB LEVEL 2 - PART B



MTSU Multiple Building Lighting Retrofit
Murfreesboro Tennessee

ICT I.C. THOMASSON ASSOCIATES, INC.
CONSULTING ENGINEERS
NASHVILLE, TN. (615) 346-3400

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FILENAME E102B	PLOT DATE	

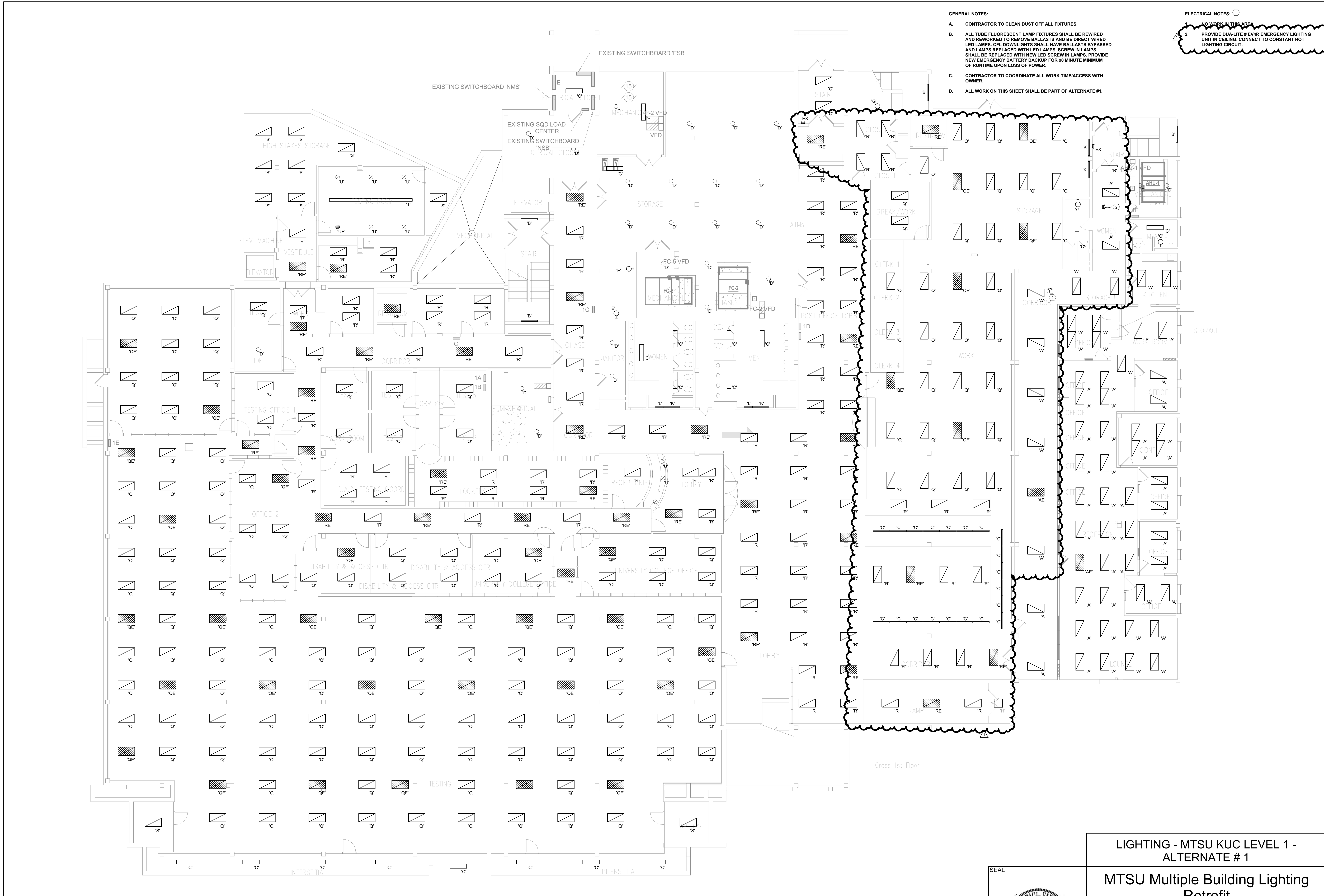
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GENERAL NOTES:

- A. CONTRACTOR TO CLEAN DUST OFF ALL FIXTURES.
- B. ALL TUBE FLUORESCENT LAMP FIXTURES SHALL BE REWIRED AND REWORKED TO REMOVE BALLASTS AND BE DIRECT WIRED LED LAMPS. CFL DOWNLIGHTS SHALL HAVE BALLASTS BYPASSED AND LAMPS REPLACED WITH LED LAMPS. SCREW IN LAMPS SHALL BE REPLACED WITH NEW LED SCREW IN LAMPS. PROVIDE NEW EMERGENCY BATTERY BACKUP FOR 90 MINUTE MINIMUM OF RUNTIME UPON LOSS OF POWER.
- C. CONTRACTOR TO COORDINATE ALL WORK TIME/ACCESS WITH OWNER.
- D. ALL WORK ON THIS SHEET SHALL BE PART OF ALTERNATE #1.

ELECTRICAL NOTES:

- 1. NO WORK IN THIS AREA.
- 2. PROVIDE DUA-LITE # EVAR EMERGENCY LIGHTING UNIT IN CEILING. CONNECT TO CONSTANT HOT LIGHTING CIRCUIT.



LIGHTING - MTSU KUC LEVEL 1 - ALTERNATE # 1
1/8" = 1'-0"

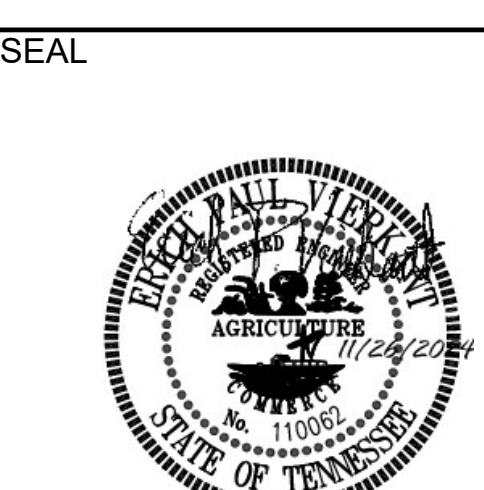
LIGHTING - MTSU KUC LEVEL 1 - ALTERNATE # 1

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FILENAME E111	PLOT DATE	



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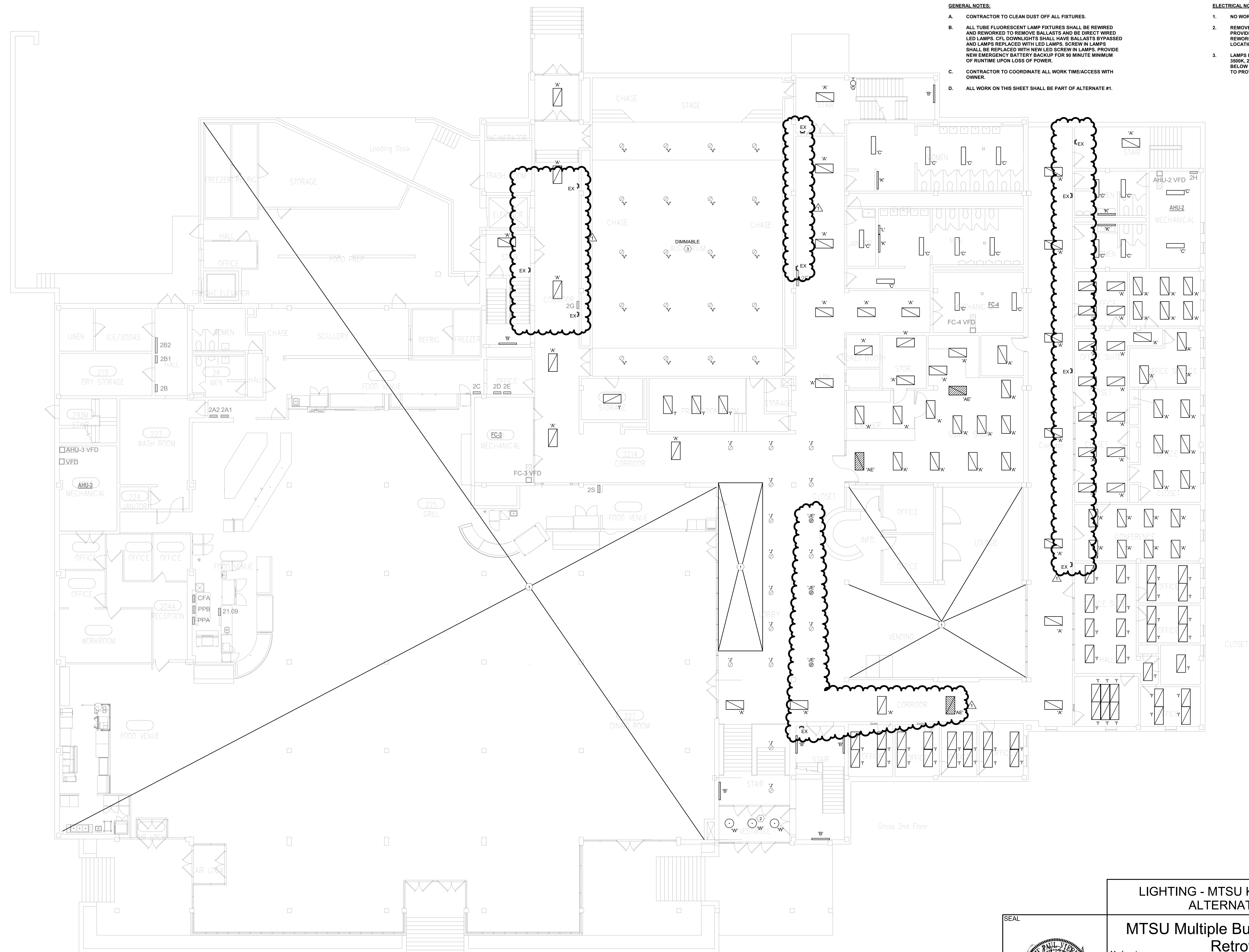
ADDENDUM 1

GENERAL NOTES:

- A. CONTRACTOR TO CLEAN DUST OFF ALL FIXTURES.
- B. ALL TUBE FLUORESCENT LAMP FIXTURES SHALL BE REWIRED AND REWORKED TO REMOVE BALLASTS AND BE DIRECT WIRED LED LAMPS. CFL DOWNLIGHTS SHALL HAVE BALLASTS BYPASSED AND LAMPS REPLACED WITH LED LAMPS. SCREW IN LAMPS SHALL BE REPLACED WITH NEW LED SCREW IN LAMPS. PROVIDE NEW EMERGENCY BATTERY BACKUP FOR 90 MINUTE MINIMUM OF RUNTIME UPON LOSS OF POWER.
- C. CONTRACTOR TO COORDINATE ALL WORK TIME/ACCESS WITH OWNER.
- D. ALL WORK ON THIS SHEET SHALL BE PART OF ALTERNATE #1.

ELECTRICAL NOTES:

- 1. NO WORK IN THIS AREA.
- 2. REMOVE EXISTING CAN LIGHTS IN THIS AREA AND PROVIDE NEW PENDANT LIGHTS INDICATED. REWORK CIRCUITRY AND BOXES AT THESE LOCATIONS.
- 3. LAMPS IN TYPE 'Y' SHALL BE REPLACED WITH NEW 3500K, 2000 LUMEN +, 80 CRI MIN, DIMMABLE DOWN BELOW 10%. COORDINATE WITH DIMMING CONTROLS TO PROVIDE PROPER TYPE.



LIGHTING - MTSU KUC LEVEL 2 - ALTERNATE # 1
1/8" = 1'-0"

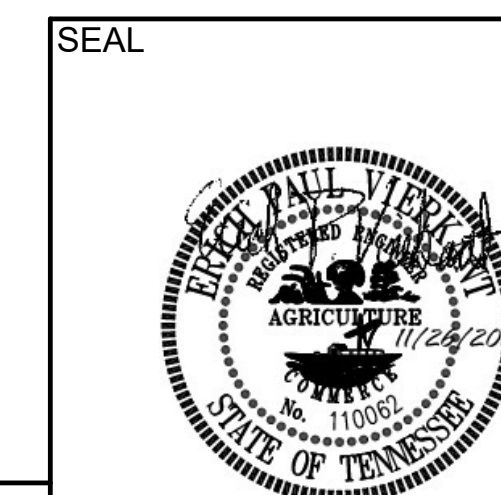
LIGHTING - MTSU KUC LEVEL 2 - ALTERNATE # 1

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Murfreesboro Tennessee

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FILENAME E112	PLOT DATE	



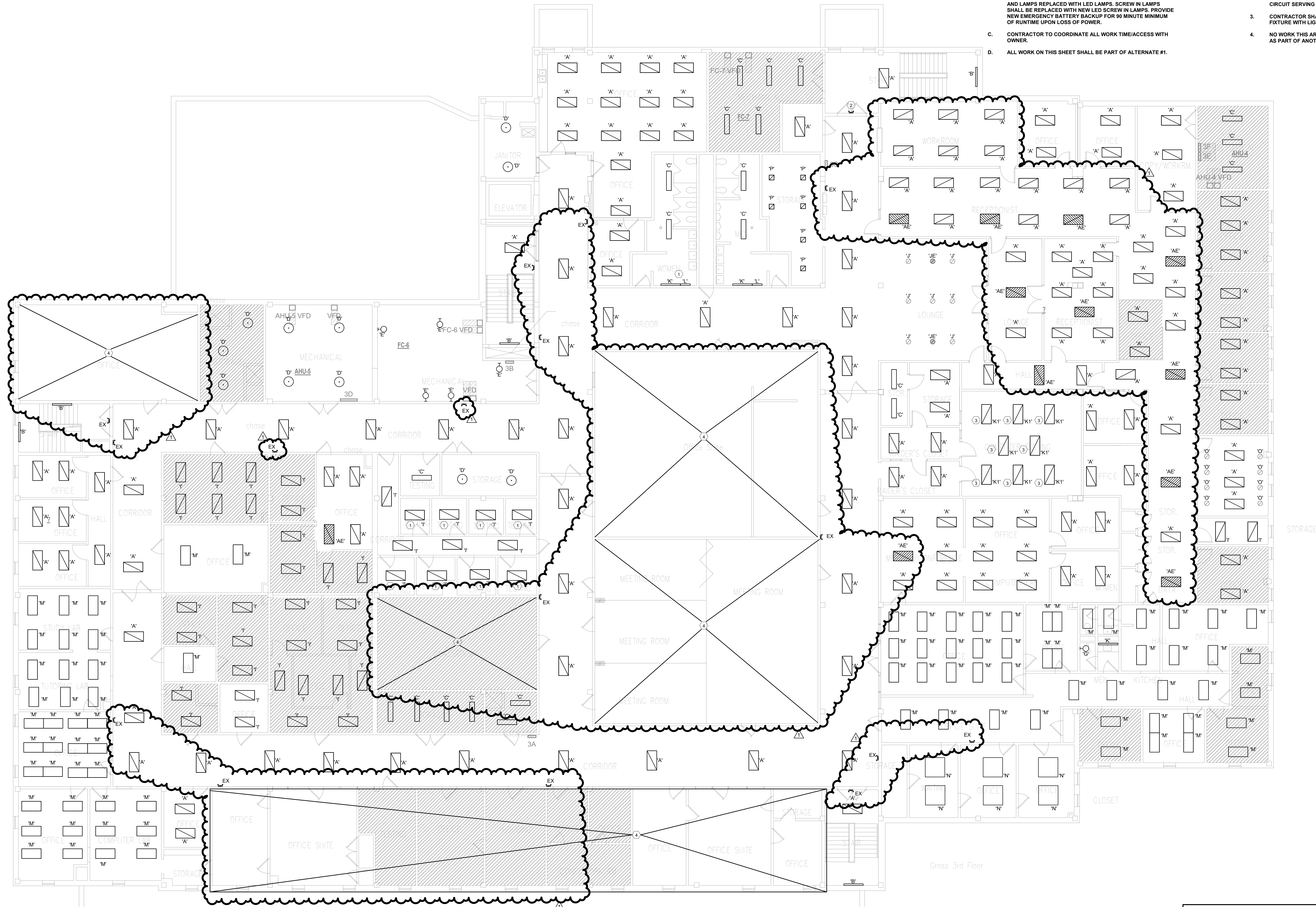
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GENERAL NOTES:

- A. CONTRACTOR TO CLEAN DUST OFF ALL FIXTURES.
- B. ALL TUBE FLUORESCENT LAMP FIXTURES SHALL BE REWIRED AND REWORKED TO REMOVE BALLASTS AND BE DIRECT WIRED LED LAMPS. CFL DOWNLIGHTS SHALL HAVE BALLASTS BYPASSED AND LAMPS REPLACED WITH LED LAMPS. SCREW IN LAMPS SHALL BE REPLACED WITH NEW LED SCREW IN LAMPS. PROVIDE NEW EMERGENCY BATTERY BACKUP FOR 90 MINUTE MINIMUM OF RUNTIME UPON LOSS OF POWER.
- C. CONTRACTOR TO COORDINATE ALL WORK TIME/ACCESS WITH OWNER.
- D. ALL WORK ON THIS SHEET SHALL BE PART OF ALTERNATE #1.

ELECTRICAL NOTES:

- 1. EXISTING WALL SCONES IN THIS AREA TO BE REMOVED. PROVIDE BLANK COVERPLATE.
- 2. EXISTING EMERGENCY WALLPACK CURRENTLY ON. PROVIDE CONSTANT HOT POWER FROM LIGHTING CIRCUIT SERVING AREA.
- 3. CONTRACTOR SHALL REPLACE EXISTING PARABOLIC FIXTURE WITH LIGHT TYPE INDICATED.
- 4. NO WORK THIS AREA. EXISTING LIGHTING TO BE REPLACED AS PART OF ANOTHER PROJECT.



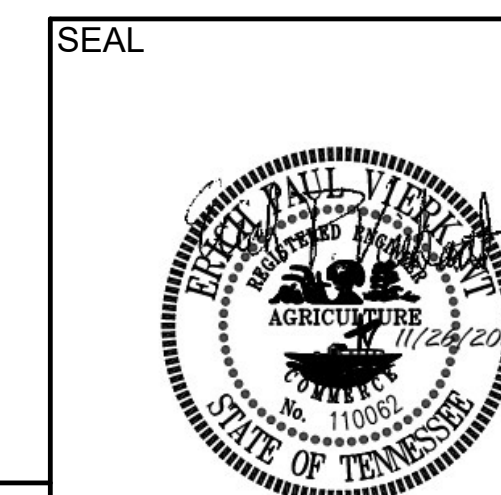
LIGHTING - MTSU KUC LEVEL 3 - ALTERNATE # 1
1/8" = 1'-0"

LIGHTING - MTSU KUC LEVEL 3 - ALTERNATE # 1

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FILENAME E113	PLOT DATE	



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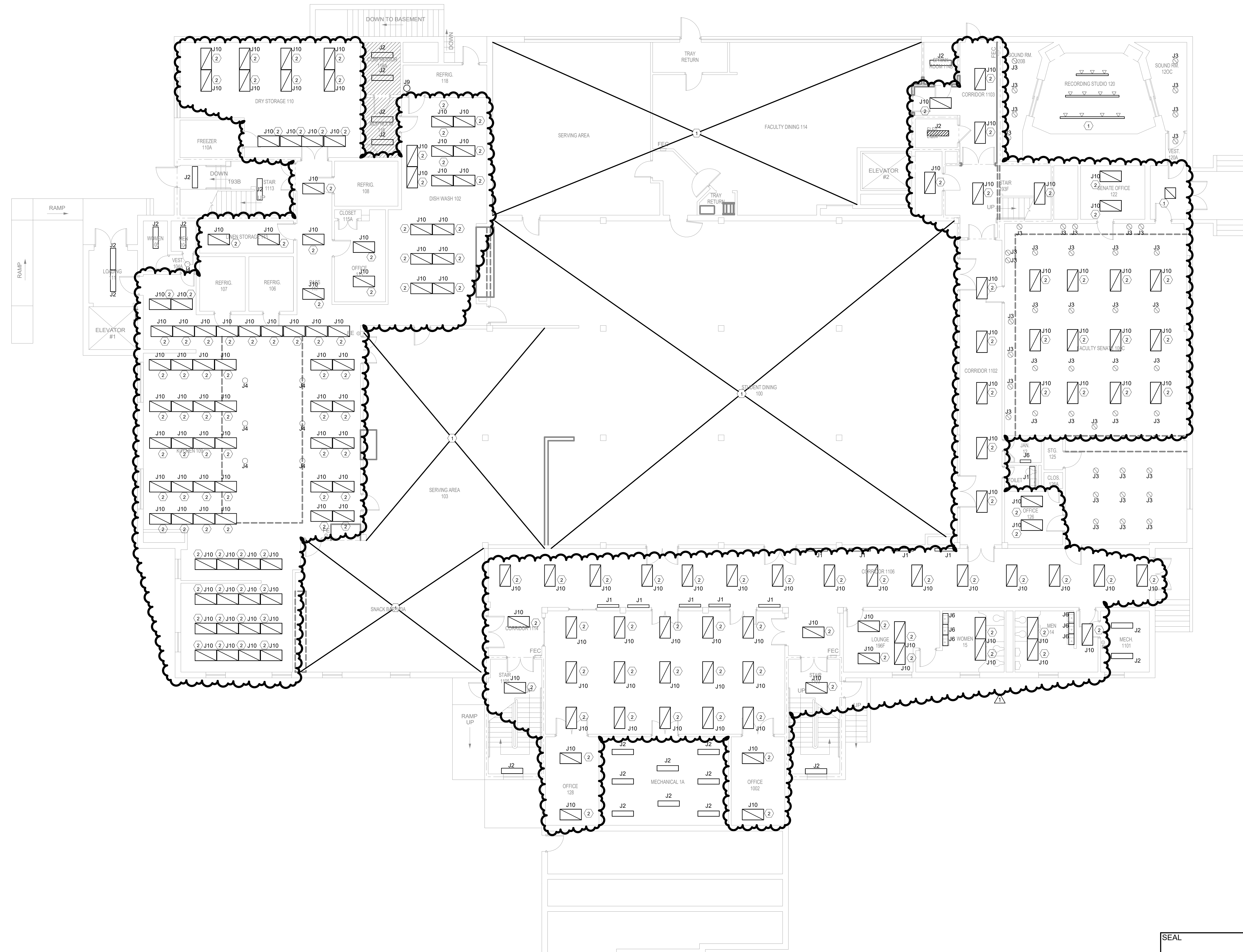
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GENERAL NOTES:

- A. CONTRACTOR TO CLEAN DUST OFF ALL FIXTURES.
- B. ALL TUBE FLUORESCENT LAMP FIXTURES SHALL BE REWIRED AND REWORKED TO REMOVE BALLASTS AND BE DIRECT WIRED LED LAMPS. CFL DOWNLIGHTS SHALL HAVE BALLASTS BYPASSED AND LAMPS REPLACED WITH LED LAMPS. SCREW IN LAMPS SHALL BE REPLACED WITH NEW LED SCREW IN LAMPS. PROVIDE NEW EMERGENCY BATTERY BACKUP FOR 90 MINUTE MINIMUM OF RUNTIME UPON LOSS OF POWER.
- C. CONTRACTOR TO COORDINATE ALL WORK TIME/ACCESS WITH OWNER.
- D. ALL WORK ON THIS SHEET SHALL BE PART OF ALTERNATE #2.

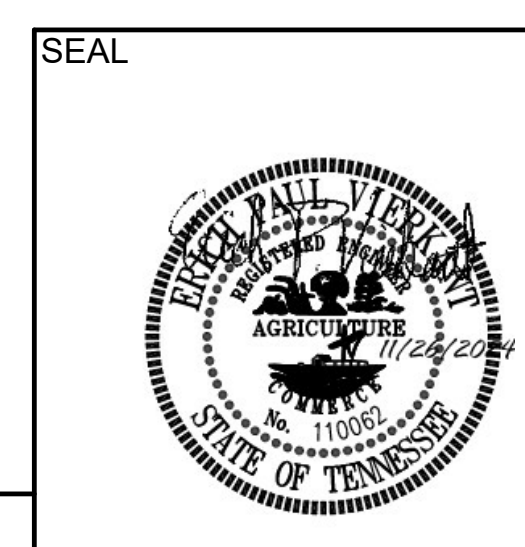
ELECTRICAL NOTES:

1. NO WORK IN THIS AREA.
2. REPLACE EXISTING FIXTURE AT THIS LOCATION WITH NEW FIXTURE INDICATED.
3. EXISTING FIXTURE AT THIS LOCATION TO BE REMOVED. PROVIDE BLANK COVER PLATE PAINTED TO MATCH WALL SURFACE.



LIGHTING - MTSU JUB LEVEL 1 - ALTERNATE # 2
1/8" = 1'-0"

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LIGHTING - MTSU JUB LEVEL 1 - ALTERNATE # 2		
MTSU Multiple Building Lighting Retrofit		
Murfreesboro	Tennessee	
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FILENAME E121	PLOT DATE	

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- GENERAL NOTES:**
- A. CONTRACTOR TO CLEAN DUST OFF ALL FIXTURES.
 - B. ALL TUBE FLUORESCENT LAMP FIXTURES SHALL BE REWIRED AND REWORKED TO REMOVE BALLASTS AND BE DIRECT WIRED LED LAMPS. CFL DOWNLIGHTS SHALL HAVE BALLASTS BYPASSED AND LAMPS REPLACED WITH LED LAMPS. SCREW IN LAMPS SHALL BE REPLACED WITH NEW LED SCREW IN LAMPS. PROVIDE NEW EMERGENCY BATTERY BACKUP FOR 90 MINUTE MINIMUM OF RUNTIME UPON LOSS OF POWER.
 - C. CONTRACTOR TO COORDINATE ALL WORK TIME/ACCESS WITH OWNER.
 - D. ALL WORK ON THIS SHEET SHALL BE PART OF ALTERNATE #2.

- ELECTRICAL NOTES:**
- 1. NO WORK IN THIS AREA.
 - 2. REPLACE EXISTING FIXTURE AT THIS LOCATION WITH NEW FIXTURE INDICATED.



LIGHTING - MTSU JUB LEVEL 2 - ALTERNATE # 2
1/8" = 1'-0"

LIGHTING - MTSU JUB LEVEL 2 - ALTERNATE # 2

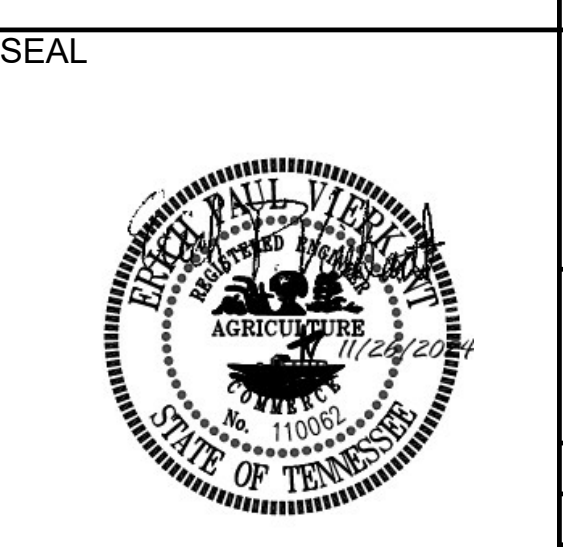
MTSU Multiple Building Lighting Retrofit

Murfreesboro, Tennessee

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FILENAME: E122	PLOT DATE:	

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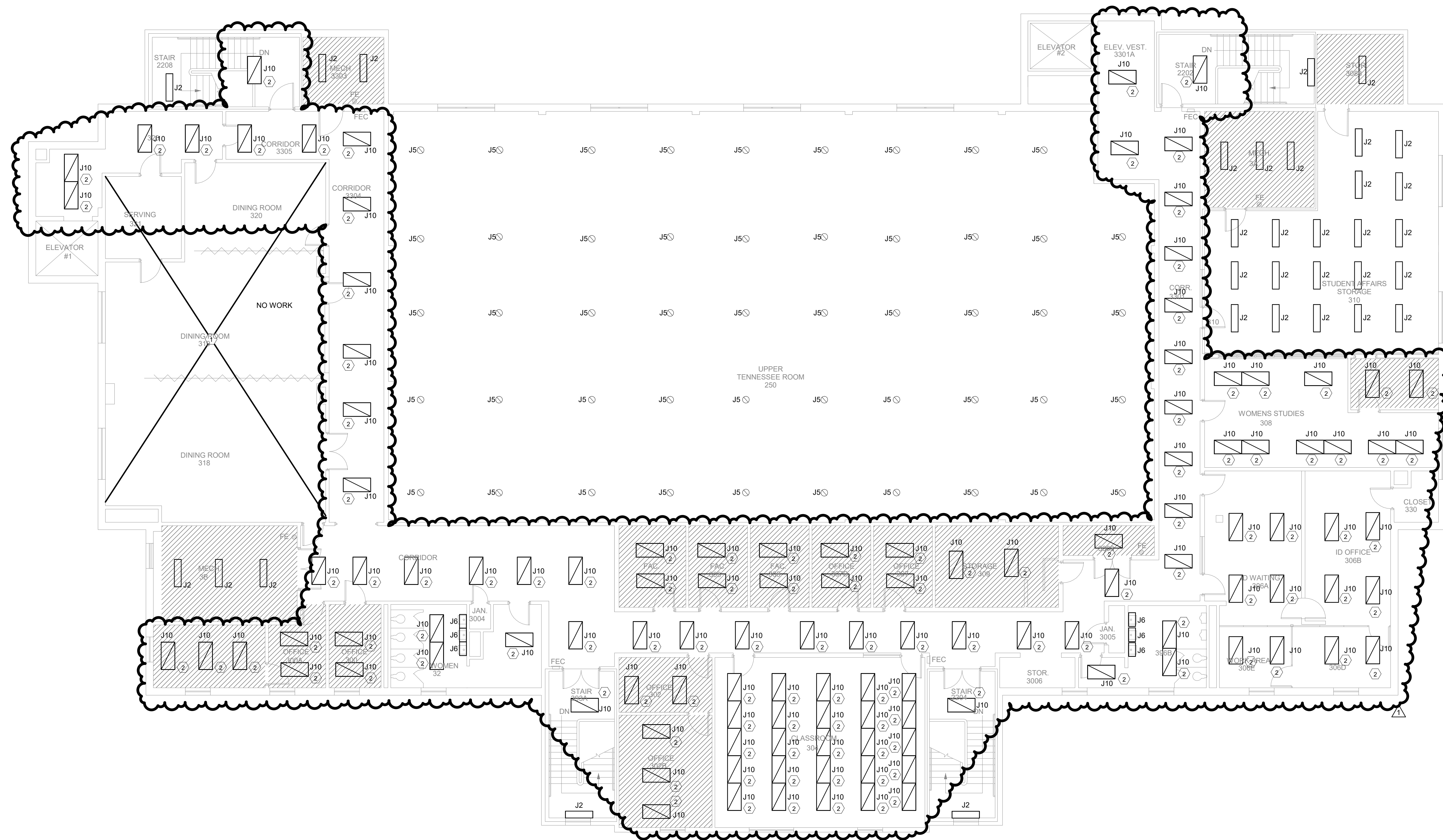


GENERAL NOTES:

- A. CONTRACTOR TO CLEAN DUST OFF ALL FIXTURES.
- B. ALL TUBE FLUORESCENT LAMP FIXTURES SHALL BE REWIRED AND REWORKED TO REMOVE BALLASTS AND BE DIRECT WIRED LED LAMPS. CFL DOWNLIGHTS SHALL HAVE BALLASTS BYPASSED AND LAMPS REPLACED WITH LED LAMPS. SCREW IN LAMPS SHALL BE REPLACED WITH NEW LED SCREW IN LAMPS. PROVIDE NEW EMERGENCY BATTERY BACKUP FOR 90 MINUTE MINIMUM OF RUNTIME UPON LOSS OF POWER.
- C. CONTRACTOR TO COORDINATE ALL WORK TIME/ACCESS WITH OWNER.
- D. ALL WORK ON THIS SHEET SHALL BE PART OF ALTERNATE #2.

ELECTRICAL NOTES:

1. NO WORK IN THIS AREA.
2. REPLACE EXISTING FIXTURE AT THIS LOCATION WITH NEW FIXTURE INDICATED.



LIGHTING - MTSU JUB LEVEL 3 - ALTERNATE # 2
1/8" = 1'-0"

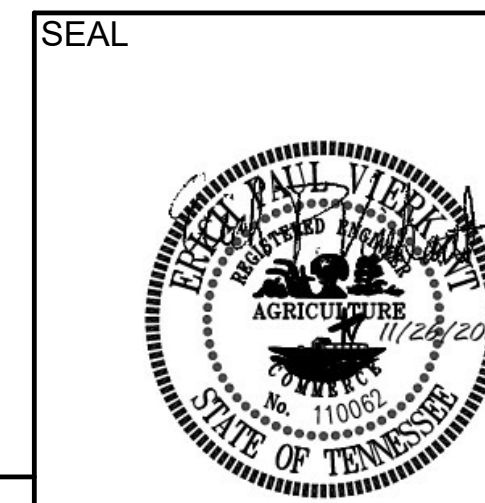
LIGHTING - MTSU JUB LEVEL 3 - ALTERNATE # 2

MTSU Multiple Building Lighting Retrofit

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