

LED Conversion - Phase 1

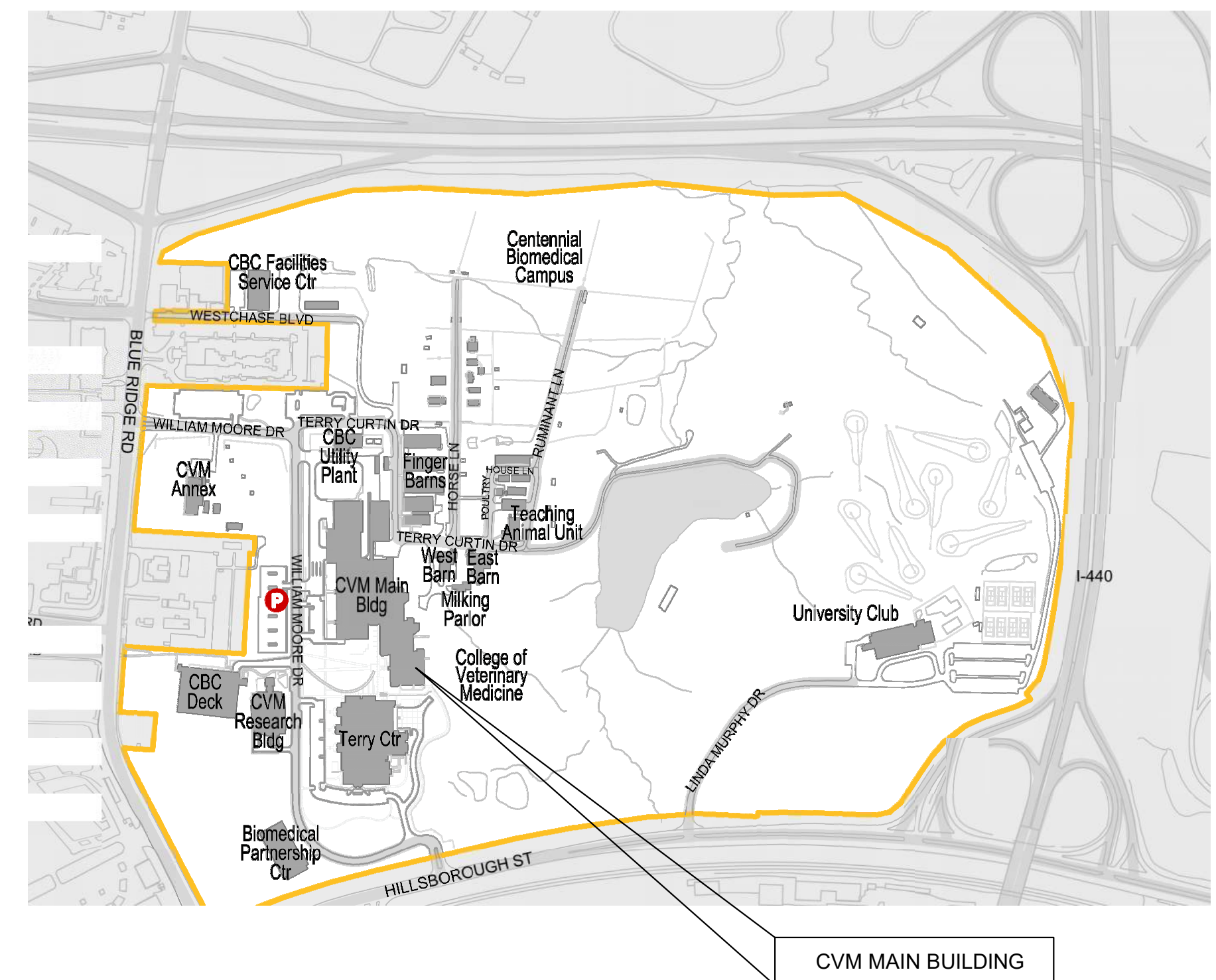
NC STATE UNIVERSITY

CVM MAIN BUILDING

1060 William Moore Drive
Raleigh, North Carolina

May 31, 2024

SCO ID: 22-24921-01A NCSU Project# 202220014 Building #301



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SKA

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PROJECT DESCRIPTION:
THIS PROJECT SCOPE INCLUDES REPLACING THE EXISTING LIGHTING IN CORRIDORS AND STAIRWELLS WITH NEW LED LIGHTING. MINIMAL CUTTING, PATCHING, AND PAINTING WILL BE REQUIRED.



Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

CS1.1

BID SET

2018 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS

Name of Project: LED Conversion Phase 1
Project Address: 1060 WILLIAM MOORE DRIVE, RALEIGH, NORTH CAROLINA, 27607
Owner or Authorized Agent: JULIE SNEAD Phone 919-513-7807 E-Mail jsnead@ncsu.edu
Owned By: City/County Private State
Code Enforcement Jurisdiction: City County State

CONTACT DESIGNER FIRM NAME LICENSE# TELEPHONE E-MAIL
SKA Consulting Engineers Kenzie M. Oakes #054369 336-855-0993 kmooakes@skaeng.com

2018 NC BUILDING CODE
New Construction Addition Renovation
1st Time Interior Completion
Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: EXISTING: Prescriptive Repair Chapter 14
ALTERATION: Level I Level II Level III
Historic Property Change of Use

CONSTRUCTED: (date) 1983 CURRENT OCCUPANCY(S) (Ch.3) BUSINESS
RENOVATED: (date) Varies PROPOSED OCCUPANCY(S) (Ch.3) BUSINESS

RISK CATEGORY (Table 1604.5) Current: I II III IV Proposed: I II III IV

BASIC BUILDING DATA
Construction Type: I-A I-B II-A II-B III-A III-B IV V-A V-B
Sprinklers: No Partial Yes Class: I II III Wet Dry
Standpipes: No Yes
Fire District: No Yes
Flood Hazard Area: No Yes
Special Instructions Required: No Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (SQ. FT.)	NEW (SQ. FT.)	SUB-TOTAL
3rd Floor	57,350	7,312 (Renovation)	57,350
2nd Floor	159,244	10,989 (Renovation)	159,244
Mezzanine	N/A	N/A	N/A
1st Floor	95,819	14,104 (Renovation)	95,819
Basement	N/A	N/A	N/A
TOTAL	312,413	32,405 (Renovation)	312,413

ALLOWED AREA

Primary Occupancy Classification(s)
Business
Factory
Hazardous
Institutional
Mercantile
Residential
Storage
Utility and Miscellaneous

Accessory Occupancy Classification(s):
Incidental Uses (Table 509):
Special Uses (Chapter 4 - List Code Sections):
Special Provisions (Chapter 5 - List Code Sections):
Mixed Occupancy: No Yes
Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable area for each use shall not exceed 1.

Actual Area of Occupancy A + Actual Area of Occupancy B / Allowable Area of Occupancy A + Allowable Area of Occupancy B <= 1

STORY NO	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE 1,5	(D) ALLOWABLE AREA PER STORY OR UNLIMITED 2,3
1st Floor					
2nd Floor					
3rd Floor					

1 Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = (W)
e. Percent of frontage increase = 100 [(F/P - 0.25) x W / 30] = (%)
2 Unlimited area applicable under conditions of Section 507.
3 Maximum Building Area = total number of stories in the building x D (506.2).
4 The maximum area of open parking garages must comply with 406.5.4.
5 Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE ¹
BUILDING HEIGHT IN FEET (Table 504.3) ²			
BUILDING HEIGHT IN STORIES (Table 504.4) ³			

1 Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
2 The maximum height of air traffic control towers must comply with Table 412.3.1.
3 The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENTS	FIRE SEPARATION DISTANCE (FEET)	RATING		DETAIL AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
		REQ'D	PROVIDED (W/REDUCTION)				
Structural Frame, including columns, girders, trusses		2 HR	2 HR				
Bearing Walls							
Exterior							
North	>30'	2 HR	2 HR				
East	>30'	2 HR	2 HR				
West	>30'	2 HR	2 HR				
South	>30'	2 HR	2 HR				
Interior		2 HR	N/A				
Nonbearing walls and Partitions							
Exterior walls							
North	>30'	0 HR	EXISTING				
East	>30'	0 HR	EXISTING				
West	>30'	0 HR	EXISTING				
South	>30'	0 HR	EXISTING				
Interior walls and partitions		0 HR	0 HR				
Floor Construction including supporting beams and joists		2 HR	2 HR		EXISTING TO REMAIN		
Floor Ceiling Assembly		2 HR	2 HR		EXISTING TO REMAIN		
Columns Supporting Floors		2 HR	2 HR		EXISTING TO REMAIN		
Roof Construction including supporting beams and joists		1 HR	1 HR		EXISTING TO REMAIN		
Roof Ceiling Assembly		1 HR	1 HR		EXISTING TO REMAIN		
Columns Supporting Roof		1 HR	1 HR		EXISTING TO REMAIN		
Shaft Enclosures - Exit		2 HR	2 HR		EXISTING TO REMAIN		
Shaft Enclosures - Other		2 HR	2 HR		EXISTING TO REMAIN		
Corridor Separation		1 HR	1 HR		EXISTING TO REMAIN		
Occupancy/Wall Barrier Separation		N/A	-				
Party/Fire Wall Separation		N/A	-				
Smoke Barrier Separation		N/A	-				
Smoke Partition		N/A	-				
Tenant/Dwelling Unit/Sleeping Unit Separation		N/A	-				
Incidental Use Separation		N/A	-				

*Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENING PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: No Yes
Exit Signs: No Yes
Fire Alarm: No Yes
Smoke Detection System: No Yes Partial
Carbon Monoxide Detection: No Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: N/A
Fire and/or smoke rated wall locations (Chapter 7)
Assumed and real property line locations (if not on the site plan)
Exterior wall opening area with respect to distance to assumed property lines (705.8)
Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
Occupancy loads for each area
Exit sign locations (101.3)
Exit access travel distances (101.7)
Common path of travel distances (Tables 1006.1.1 & 1006.3.2(1))
Dead end lengths (1020.4)
Clear exit widths for each exit door
Maximum calculated occupant load capacity, each exit door can accommodate based on egress width (1005.3)
Actual occupant load for each exit door
A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
Location of doors with panic hardware (1010.1.10)
Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
Location of doors with electromagnetic egress locks (1010.1.9.9)
Location of doors equipped with hold-open devices
Location of emergency escape windows (1030)
The square footage of each fire area (202)
The square footage of each smoke compartment for Occupancy Classification I-2 (407.4)
Note any code exceptions or table notes that may have been utilized regarding items above.

ACCESSIBLE DWELLING UNITS

(SECTION 1107)

UNIT CLASS.	TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING

(SECTION 1106)

LOT OR PARKING AREA	TOTAL NUMBER OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED		TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	96" SPACES	132" SPACES	
TOTAL					

PLUMBING FIXTURE REQUIREMENTS

(TABLE 2902.1)

USE	WATERCLOSETS		URINALS	LAVATORIES		SHOWERS	DRINKING FOUNTAINS	
	MALE	FEMALE/UNISEX		MALE	FEMALE/UNISEX		REGULAR	ACCESSIBLE
	EXIST'G	REQ'D		EXIST'G	REQ'D		REQ'D	EXIST'G
NEW								
REQ'D								

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Dept. of Insurance, OSC, DPI, DHHS, etc., describe below)
NC STATE CONSTRUCTION OFFICE

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs. annual energy cost for the proposed design.

Existing building envelope complies with code: No Yes
(if yes, the remainder of this section is not applicable)

Exempt Building: No Yes (Provide code or statutory reference):

Climate Zone: 3A 4A 5A

Method of Compliance: Energy Code Performance Prescriptive
ASHRAE 90.1 Performance Prescriptive
(If "other", specify source here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/Ceiling Assembly (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:
Skylights in each assembly:
U-Value of skylight:
total square footage of skylights in each assembly:

Exterior Walls (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:
Openings (window or doors with glazing)
U-Value of assembly:
Solar heat gain coefficient:
projection factor:
Door R-Values:

Walls below grade (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:

Floors over unconditioned space (each assembly)
Description of assembly:
U-Value of total assembly:
R-Value of insulation:

Floors slab on grade
Description of assembly:
U-Value of total assembly:
R-Value of insulation:
Horizontal/vertical requirement:
slab heated:

2018 APPENDIX B

BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:
Importance Factors: Snow (IS) Seismic (IE)
Live Loads: Roof Mezzanine Floor
Ground Snow Load:
Wind Load: Ultimate Wind Speed Exposure Category (ASCE-7)

SEISMIC DESIGN CATEGORY: A B C D E F
Provide the following Seismic Design Parameters:
Risk Category (TABLE 1004.5) I II III IV
Spectral Response Acceleration SS %g SI %g

Site Classification (ASCE 7) A B C D E F
Data Source: Field Test Presumptive Historical Data
Basic Structural System (check one)
Bearing Wall Dual w/Special Moment Frame
Building Frame Dual w/Intermediate R/C or Special Steel
Moment Frame Inverted Pendulum

Analysis Procedure: Simplified Equivalent Lateral Force Dynamic
Architectural, Mechanical, Components anchored? Yes No

LATERAL DESIGN CONTROL: Earthquake Wind

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) psf
Presumptive Bearing capacity psf
Pile size, type, and capacity

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
winter dry bulb: summer dry bulb:

Interior Design Conditions
winter dry bulb: summer dry bulb: relative humidity:

Building heating load:

Building cooling load:

Mechanical Space Conditioning System
Unitary description of unit: heating efficiency: cooling efficiency: size category of unit:
Boiler Size category. If oversized, state reason:
Chiller Size category. If oversized, state reason:

List equipment efficiencies:

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code: Prescriptive Performance Prescriptive
ASHRAE 90.1: Prescriptive Performance

Lighting schedule (each fixture type)
lamp type required in fixture refer to light fixture schedule
number of lamps in fixture refer to light fixture schedule
ballast type used in the fixture refer to light fixture schedule
number of ballasts in fixture refer to light fixture schedule
total wattage per fixture refer to light fixture schedule
total interior wattage specified vs allowed (whole building or space by space) 28,370 vs 37,974
total exterior wattage specified vs allowed 1,057 vs 1,873

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)

- C406.2 More Efficient HVAC Equipment Performance
- C406.3 Reduced Lighting Power Density
- C406.4 Enhanced Digital Lighting Controls
- C406.5 On-Site Renewable Energy
- C406.6 Dedicated Outdoor Air System
- C406.7 Reduced Energy Use in Service Water Heating



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Revision
Date
Mark

LED Conversion - Phase 1 (ISO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
APENDIX B

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

G1.1

ELECTRICAL SYMBOL LEGEND
Dwg # 230114-E1007A.DWG

GENERAL	
	BRANCH CIRCUIT HOME RUN - LETTERS AND NUMERALS INDICATE PANEL DESIGNATION AND CIRCUIT NUMBER. ARROWS INDICATE NUMBER OF CIRCUITS UNLESS OTHERWISE NOTED. EQUIPMENT GROUNDING CONDUCTORS SHALL BE INCLUDED IN ALL RUNS OF CONDUIT. PROVIDE SEPARATE NEUTRALS.
	BRANCH CIRCUIT CONDUIT INSTALLED CONCEALED IN WALLS, AND ABOVE CEILING, UNLESS OTHERWISE NOTED OR REQUIRED BY SITE CONDITIONS.
	BRANCH CIRCUIT CONDUIT INSTALLED EXPOSED IN SURFACE MOUNTED RACEWAY OR CONDUIT.
	CONDUIT AND WIRE TURNING TOWARD OBSERVER.
	CONDUIT AND WIRE TURNING AWAY FROM OBSERVER.
LIGHTING	
	RECESSED SURFACE, OR WALL MOUNTED LIGHTING FIXTURE. LETTERS/NUMERALS INDICATE TYPE. SEE LIGHTING FIXTURE SCHEDULE FOR REQUIREMENTS.
	CEILING MOUNTED EXIT SIGN - SHADED AREA INDICATES FACE(S) - ARROWS AS DIRECTED ON PLANS.
	WALL MOUNTED EXIT SIGN - SHADED AREA INDICATES FACE(S) - ARROWS AS DIRECTED ON PLANS.
	SINGLE POLE TOGGLE SWITCH 120/277V, 20A, HEAVY DUTY SPECIFICATION GRADE, FEDERAL SPECIFICATION LISTED. SUBSCRIPTS "3" INDICATES THREE WAY SWITCH, "4" FOUR WAY SWITCH, "K" KEY OPERATED SWITCH, AND "3K" THREE WAY KEY OPERATED SWITCH. MOUNT IN A SINGLE GANG OR MULTI GANG GALVANIZED BOX 46" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED OR REQUIRED BY SITE CONDITIONS.
	DIMMING SWITCH, RECESSED MOUNTED IN JUNCTION BOX. VERIFY SWITCHING LOAD TYPE WITH LIGHTING FIXTURE SCHEDULE. FOR 0-10V DIMMING, PROVIDE LUTRON: DVSTV, OR EQUAL. PROVIDE LUTRON: DVTV OR EQUAL WHEN POWER PACK IS PROVIDED. SUBSCRIPT "3" INDICATES THREE WAY SWITCH.
	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH. PROVIDE REQUIRED POWER PACK WITH ADDITIONAL DRY CONTACTS FOR FUTURE BUILDING AUTOMATION SYSTEM (BAS) INTEGRATION. ELECTRICAL CONTRACTOR SHALL PROVIDE TYPED LABEL WITH ARROW INDICATING POWER PACK LOCATION ABOVE ACCESSIBLE CEILING. LABEL SHALL BE ADHERED TO METALLIC CEILING GRID. PROVIDE LUTRON: LOS-CDT-2000-WH, OR EQUAL.
	TIMER. EXISTING TIMER SYSTEM TO REMAIN UNLESS OTHERWISE NOTED.

CEILING TYPE LEGEND

DESIGNATION	CEILING TYPE
K	KEYSLOT GRID
G	GRID
E	EXPOSED STRUCTURE
H	HARD CEILING
MS	METAL SLOT
GL	GLASS
U	HARD CEILING WITH UNISTRUT
UG	GRID CEILING WITH UNISTRUT

NOTES:
INSTALL CONDUITS CONCEALED IN FINISHED SPACES AND EXPOSED IN UNFINISHED SPACES.

230114-E1008.DWG

ADD ALTERNATE LIST

No.	BASE BID DESCRIPTION	ADD ALTERNATE DESCRIPTION
1	EXISTING LIGHTING AND CONTROLS IN SECOND FLOOR AREA B LABS AND OTHER ROOMS TO REMAIN.	NEW LIGHTING AND CONTROLS IN SECOND FLOOR AREA B LABS AND OTHER ROOMS AS SHOWN.
2	EXISTING EXTERIOR LIGHTING TO REMAIN.	NEW EXTERIOR LIGHTING AS SHOWN.
3	EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES TO REMAIN.	REPLACE EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES AS SHOWN.

230114-E1008.DWG

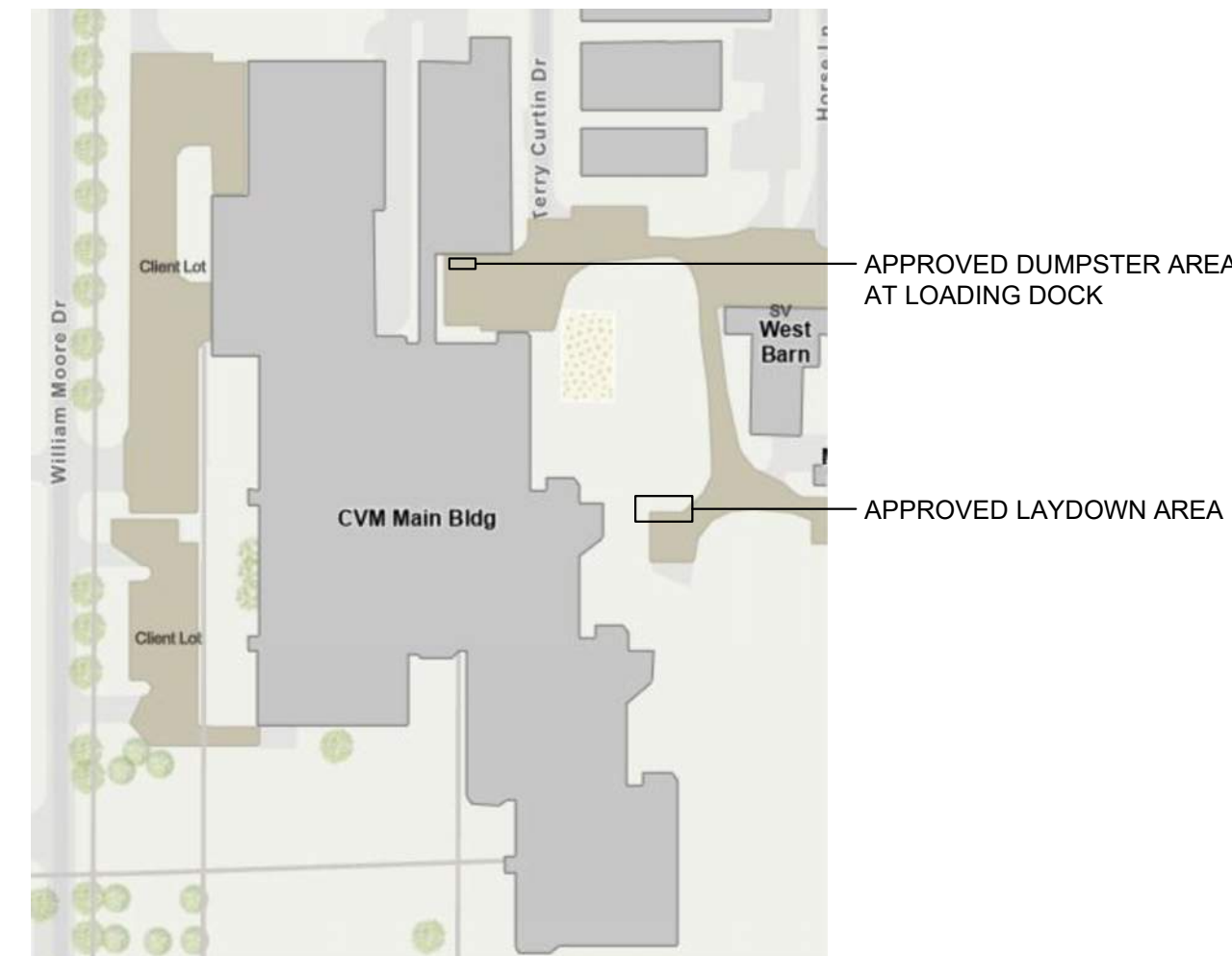
ELECTRICAL ABBREVIATIONS
Dwg # 230114-E1002.DWG

A OR AMP	AMPERES	IG	ISOLATED GROUND
AFF	ABOVE FINISHED FLOOR	IMC	INTERMEDIATE METALLIC CONDUIT
AFC	ABOVE FINISHED GRADE	IN	INCHES
AIC	AMPERE INTERRUPTING CAPACITY	JB	JUNCTION BOX
ALT	ALTERNATE	KCMIL	THOUSANDS OF CIRCULAR MILLS
ATS	AUTOMATIC TRANSFER SWITCH	KVA	KILO VOLT AMPERES
AWG	AMERICAN WIRE GAUGE	KW	KILOWATT
BKR	BREAKER	LTG	LIGHTS
BFG	BELOW FINISHED GRADE	MCB	MAIN CIRCUIT BREAKER
C	CONDUIT	MCC	MOTOR CONTROL CENTER
CB	CIRCUIT BREAKER	MLO	MAIN LUG ONLY
CLG	CEILING	MTD	MOUNTED
CT	CABLE TRAY	MTG	MOUNTING
CU	COPPER	N	NEUTRAL
DIA	DIAMETER	NC	NORMALLY CLOSED
DN	DOWN	NEC	NATIONAL ELECTRIC CODE
DWG(S)	DRAWING(S)	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
EC	EMPTY CONDUIT OR ELECTRICAL CONTRACTOR EXHAUST FAN	NF	NON-FUSED
EF	EXHAUST FAN	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
EG	EQUIPMENT GROUND	NIC	NOT IN CONTRACT
ELEC	ELECTRICAL	NO	NORMALLY OPEN OR NUMBER
EMT	ELECTRIC METALLIC TUBING	Ø	PHASE
EQUIP	EQUIPMENT	PNL	PANEL
ER	EXISTING TO BE RELOCATED	PVC	POLYVINYL CHLORIDE
EWC	ELECTRIC WATER COOLER	REC	RECEPTACLE
EWK	ELECTRIC WATER HEATER	SCHED	SCHEDULE
EX	EXISTING TO REMAIN	SN	SOLID NEUTRAL
FACP	FIRE ALARM CONTROL PANEL	SPECS	SPECIFICATIONS
FL	FLOOR	SWBD	SWITCHBOARD
FLA	FULL LOAD AMPS	SWGR	SWITCHGEAR
FT	FOOT/FEET	TEL	TELEPHONE
FVNR	FULL VOLTAGE NON-REVERSING	TB	TELEPHONE TERMINAL BACKBOARD
FWE	FURNISHED WITH EQUIPMENT	TYP	TYPICAL
GA	GAUGE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
GALV	GALVANIZED	UG	UNDERGROUND
GC	GENERAL CONTRACTOR	UL	UNDERWRITES LABORATORIES UNLESS NOTED OTHERWISE
GEC	GROUNDING ELECTRODE CONDUCTOR	V	VOLTS
GFI	GROUND FAULT INTERRUPTER	W	WIRE
GND	GROUND	WP	WEATHERPROOF
GRS	GALVANIZED RIGID STEEL CONDUIT	XFMR	TRANSFORMER
HOA	HAND-OFF-AUTOMATIC		
HID	HIGH INTENSITY DISCHARGE		
HP	HORSEPOWER		
HT	HEIGHT		
HTR	HEATER		

ADDITIONAL SPECIFICATIONS
Dwg # 230114-E1010.DWG

- SECTION 01 73 00
EXECUTION
- IN-PLACE MATERIALS: USE MATERIALS IDENTICAL TO IN-PLACE MATERIALS. FOR EXPOSED SURFACES, USE MATERIALS THAT VISUALLY MATCH IN-PLACE ADJACENT SURFACES TO THE FULLEST EXTENT POSSIBLE.
 - IF IDENTICAL MATERIALS ARE UNAVAILABLE OR CANNOT BE USED, USE MATERIALS THAT, WHEN INSTALLED, WILL MATCH THE VISUAL, TEXTURAL AND FUNCTIONAL PERFORMANCE OF IN-PLACE MATERIALS.
 - EXAMINE SURFACES TO BE CUT AND PATCHED AND CONDITIONS UNDER WHICH CUTTING AND PATCHING ARE TO BE PERFORMED.
 - COMPATIBILITY: BEFORE PATCHING, VERIFY COMPATIBILITY WITH AND SUITABILITY OF SUBSTRATES, INCLUDING COMPATIBILITY WITH IN-PLACE FINISHES OR PRIMERS.
 - PROCEED WITH INSTALLATION ONLY AFTER UNSAFE OR UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
 - TEMPORARY SUPPORT: PROVIDE TEMPORARY SUPPORT OF WORK TO BE CUT.
 - PROTECTION: PROTECT IN-PLACE CONSTRUCTION DURING CUTTING AND PATCHING TO PREVENT DAMAGE. PROVIDE PROTECTION FROM ADVERSE WEATHER CONDITIONS FOR PORTIONS OF PROJECT THAT MIGHT BE EXPOSED DURING CUTTING AND PATCHING OPERATIONS. PROTECT EXISTING SURFACES-TO-REMAIN FROM DAMAGE CAUSED BY WORK AND EQUIPMENT. PROTECT FLOORING FROM DAMAGE FROM LIFTS BY PLACING PLYWOOD OF ADEQUATE THICKNESS TO PREVENT SCRATCHING, MARRING AND INDENTATIONS.
 - ADJOINING AREAS: AVOID INTERFERENCE WITH USE OF ADJOINING AREAS OR INTERRUPTION OF FREE PASSAGE TO ADJOINING AREAS.
 - GENERAL: EMPLOY SKILLED WORKERS TO PERFORM CUTTING AND PATCHING. PROCEED WITH CUTTING AND PATCHING AT THE EARLIEST FEASIBLE TIME, AND COMPLETE WITHOUT DELAY.
 - CUT IN-PLACE CONSTRUCTION TO PROVIDE FOR INSTALLATION OF OTHER COMPONENTS OR PERFORMANCE OF OTHER CONSTRUCTION, AND SUBSEQUENTLY PATCH AS REQUIRED TO RESTORE SURFACES TO THEIR ORIGINAL CONDITION.
 - CUTTING: CUT IN-PLACE CONSTRUCTION BY SAWING, DRILLING, BREAKING, CHIPPING, GRINDING, AND SIMILAR OPERATIONS, INCLUDING EXCAVATION, USING METHODS LEAST LIKELY TO DAMAGE ELEMENTS RETAINED OR ADJOINING CONSTRUCTION. IF POSSIBLE, REVIEW PROPOSED PROCEDURES WITH ORIGINAL INSTALLER. COMPLY WITH ORIGINAL INSTALLER'S WRITTEN RECOMMENDATIONS.
 - FLAME CUTTING: DO NOT USE CUTTING TORCHES.
 - IN GENERAL, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING AND GRINDING, NOT HAMMERMING AND CHOPPING. CUT HOLES AND SLOTS AS SMALL AS POSSIBLE, NEATLY TO SIZE REQUIRED, AND WITH MINIMUM DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS WHEN NOT IN USE.
 - FINISHED SURFACES: CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES.
 - PATCHING: PATCH CONSTRUCTION BY FILLING, REPAIRING, REFINISHING, CLOSING UP, AND SIMILAR OPERATIONS FOLLOWING PERFORMANCE OF OTHER WORK. PATCH WITH DURABLE SEAMS THAT ARE AS INVISIBLE AS POSSIBLE. PROVIDE MATERIALS AND COMPLY WITH INSTALLATION REQUIREMENTS SPECIFIED IN OTHER SECTIONS.
 - EXPOSED FINISHES: RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO RETAINED ADJOINING CONSTRUCTION IN A MANNER THAT WILL ELIMINATE EVIDENCE OF PATCHING AND REFINISHING.
 - WHERE PATCHING OCCURS IN A PAINTED SURFACE, APPLY PRIMER AND INTERMEDIATE PAINT COATS OVER THE PATCH AND APPLY FINAL PAINT COAT OVER ENTIRE UNBROKEN SURFACE CONTAINING THE PATCH. PROVIDE ADDITIONAL COATS UNTIL PATCH BLENDS WITH ADJACENT SURFACES. REPAINT ENTIRE CEILING AFTER.
 - CEILINGS: PATCH, REPAIR, OR REHANG IN-PLACE CEILINGS AS NECESSARY TO PROVIDE AN EVEN-PLANE SURFACE OF UNIFORM APPEARANCE.
 - CLEANING: CLEAN AREAS AND SPACES WHERE CUTTING AND PATCHING ARE PERFORMED. COMPLETELY REMOVE PAINT, MORTAR, OILS, PUTTY, AND SIMILAR MATERIALS.
- SECTION 02 41 19
SELECTIVE DEMOLITION
- CONTRACTOR IS RESPONSIBLE FOR DEMOLITION NECESSARY TO COMPLETE WORK AS INDICATED ON THE CONTRACT DOCUMENTS.
 - OWNER WILL OCCUPY PORTIONS OF BUILDING IMMEDIATELY ADJACENT TO SELECTIVE DEMOLITION AREA. CONDUCT SELECTIVE DEMOLITION SO OWNER'S OPERATIONS WILL NOT BE DISRUPTED.
 - COORDINATE WITH OWNER A DETAILED SCHEDULE OF DEMOLITION, INCLUDE THE FOLLOWING:
 - STARTING AND ENDING DATES OF EACH ACTIVITY. ENSURE OWNER'S ON-SITE OPERATIONS ARE UNINTERRUPTED.
 - INTERRUPTION OF UTILITY SERVICES.
 - COORDINATION FOR SHUTOFF, CAPPING AND CONTINUATION OF UTILITY SERVICES.
 - COORDINATION OF OWNER'S CONTINUING OCCUPANCY OF PORTIONS OF THE EXISTING BUILDING AND OF OWNER'S PARTIAL OCCUPANCY OF COMPLETED WORK.
 - NOTIFY ENGINEER OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND DRAWINGS BEFORE PROCEEDING WITH SELECTIVE DEMOLITION.
 - IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY ENGINEER AND OWNER. HAZARDOUS MATERIALS WILL BE REMOVED BY OWNER UNDER A SEPARATE CONTRACT.
 - MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
 - REMOVE, REPLACE, PATCH AND REPAIR MATERIALS AND SURFACES CUT OR DAMAGED DURING SELECTIVE DEMOLITION BY METHODS AND WITH MATERIALS SO AS NOT TO VOID EXISTING WARRANTIES.
 - REGULATORY REQUIREMENTS: COMPLY WITH THE STATE CONSTRUCTION OFFICE REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
 - PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN, AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED.
 - CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE SELECTIVE DEMOLITION OPERATIONS BEGAN.

- SECTION 07 92 00
JOINT SEALANTS
- ACRYLIC LATEX SEALANT: ASTM C-834. SEALANT SHALL BE PAINTABLE.
 - PRIMER: WHERE REQUIRED, SHALL BE USED AS RECOMMENDED. IN WRITING BY THE MANUFACTURER. THE PRIMER SHALL HAVE BEEN TESTED FOR NON-STAINING CHARACTERISTICS AND DURABILITY ON SAMPLES OF ACTUAL SURFACES TO BE SEALED.
 - BACK-UP MATERIALS AND PREFORMED JOINT FILLERS SHALL BE NON-STAINING, COMPATIBLE WITH SEALANT AND PRIMER, AND OF A RESILIENT NATURE. SUCH AS CLOSED CELL POLYETHYLENE ROD, CLOSED CELL URETHANE OR NEOPRENE ROD, OR ELASTOMERIC TUBING OR ROD (NEOPRENE, BUTYL, OR EPDM). MATERIALS IMPREGNATED WITH OIL BITUMEN OR SIMILAR MATERIALS SHALL NOT BE USED. SIZE AND SHAPE SHALL BE AS RECOMMENDED BY SEALANT MANUFACTURER IN WRITING. SEALANT SHALL NOT ADHERE TO BACK-UP MATERIAL.
 - FOLLOW SEALANT MANUFACTURER'S INSTRUCTIONS REGARDING MIXING (IF REQUIRED), SURFACE PREPARATION, PRIMING, APPLICATION LIFE, AND APPLICATION PROCEDURE.
 - PROVIDE CAULKING AT THE PERIMETER OF INTERIOR ACCESS DOOR AND WINDOW FRAMES: ACRYLIC LATEX SEALANT.
 - PROVIDE NON-SAG SEALANT COMPLYING WITH REQUIREMENTS OF FEDERAL SPECIFICATIONS TTS-1543 OR FS TT-S-280 TYPE "II", CLASS "A." PROVIDE ACOUSTICAL SEALANT WHICH SHALL BE NON-HARDENING, NON-DRYING SYNTHETIC RUBBER SEALING COMPOUND WITH MINIMUM 90% SOLIDS. USE AT ALL INTERIOR JOINTS AT INNER SECTIONS BETWEEN PLANES.
 - SURFACES SHALL BE ADEQUATELY CLEANED AND PREPARED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS PRIOR TO INSTALLATION.
- SECTION 09 29 00
GYPSUM BOARD
- GYPSUM BOARD (TYPICAL): 5/8" THICK, REGULAR, TAPERED EDGE. PROVIDE TYPE "X" FIRE RETARDANT GYPSUM WALL BOARD PANELS 5/8" THICK, TESTED AND QUALIFIED FOR 1-HOUR RATING.
 - PROVIDE GYPSUM WALL PANELS MANUFACTURED IN ACCORDANCE WITH REQUIREMENTS OF ASTM 336.
 - WALL TEXTURE: MATCH EXISTING ADJACENT TEXTURE.
- SECTION 09 91 24
INTERIOR PAINTING (MPI STANDARDS)
- SUBMITTALS.
 - PRODUCT DATA, ORGANIZED BY MPI SYSTEM. INDICATE LOCATION OF EACH PROPOSED SYSTEM.
 - SAMPLE: 6 INCH BY 6 INCH DRAWDOWN FOR ENGINEER REVIEW.
 - PROVIDE ALL PAINTING AND FINISHING REQUIRED FOR UNFINISHED SURFACES.
 - PAINT SHALL BE ON THE MASTER PAINTERS INSTITUTE (MPI) APPROVED PRODUCTS LIST FOR THE USE INDICATED.
 - BEFORE PAINTING, REMOVE HARDWARE, ACCESSORIES, PLATES, LIGHTING FIXTURES AND SIMILAR ITEMS OR PROVIDE ADEQUATE PROTECTION OF SUCH ITEMS. ON COMPLETION OF EACH SPACE, REPLACE ABOVE ITEMS. PROTECT ADJACENT SURFACES AS REQUIRED OR DIRECTED.
 - PERFORM ALL WORK USING ONLY EXPERIENCED, COMPETENT PAINTERS. MATERIALS, PREPARATION AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE ARCHITECTURAL PAINTING SPECIFICATION MANUAL BY THE MASTER PAINTERS INSTITUTE (MPI) ROLL OR BRUSH INTERIOR WORK. APPLY ALL PAINT MATERIALS UNDER ADEQUATE ILLUMINATION.
 - PAINT ONLY WHEN SURFACES ARE CLEAN, DRY, SMOOTH AND ADEQUATELY PROTECTED FROM DAMPNESS. EACH COAT OF PAINT SHALL BE WELL APPLIED, WORKED OUT EVENLY AND ALLOWED TO DRY AT LEAST 24 HOURS BEFORE THE SUBSEQUENT COAT IS APPLIED. FINISHED WORK SHALL BE UNIFORM, OF APPROVED COLOR, SMOOTH AND FREE FROM RUNS, SAGS, CLOGGING OR EXCESSIVE FLOODING. MAKE EDGES OF PAINT ADJOINING OTHER MATERIALS OR COLORS SHARP AND CLEAN WITHOUT OVERLAPPING. WHERE HIGH GLOSS ENAMEL IS USED, LIGHTLY SAND UNDERCOATS TO OBTAIN A SMOOTH FINISH COAT.
 - APPLY 2 COAT APPLICATIONS OVER PROPER PRIMER, FILLER OR PRE-TREATMENT FOR EACH TYPE OF SURFACE. CEILINGS GLOSS LEVEL SHALL MATCH EXISTING.
 - GYPSUM BOARD: LATEX SYSTEM, MPI SYSTEM INT 9.2A.



GENERAL NOTE:
ALL HARDSCAPES MUST BE PROTECTED BY 3/4" THICK 4' x 8' PLYWOOD. THE CONTRACTOR MUST PROVIDE ADEQUATE PROTECTION OF EXISTING CONCRETE, ASPHALT, AND BRICK. ALL DAMAGE MUST BE REPAIRED BY THE CONTRACTOR TO ENSURE EQUAL MATERIAL SUBSTITUTION. NO STORING OF MATERIAL OR EQUIPMENT ON LANDSCAPED AREAS, INCLUDING MULCH BEDS AND LAWN. ALL EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE INCLUDING ASPHALT, ROCKS, ET CETERA UPON COMPLETION. PLEASE NOTE, ALL VEHICULAR TRAFFIC ON HARDSCAPES IS BY PERMIT ONLY AND NOT ALLOWED ON SOFTSCAPES. ALL DAMAGES MADE TO HARDSCAPES/SOFTSCAPES MUST BE REPAIRED BY THE CONTRACTOR.

1 LAYDOWN AREA PLAN
E1.1 NO SCALE
Dwg # 230114-E5200.DWG



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Project Number: 230114
File Name: 230114-E1010A
Project: 5310204-6-18 PM



Mark	Date	Revision

LED Conversion - Phase 1 (ISO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
**SYMBOL LEGEND, ABBREVIATIONS,
AND ADDITIONAL SPECIFICATIONS**

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

E1.1

BID SET



Mark	Date	Revision

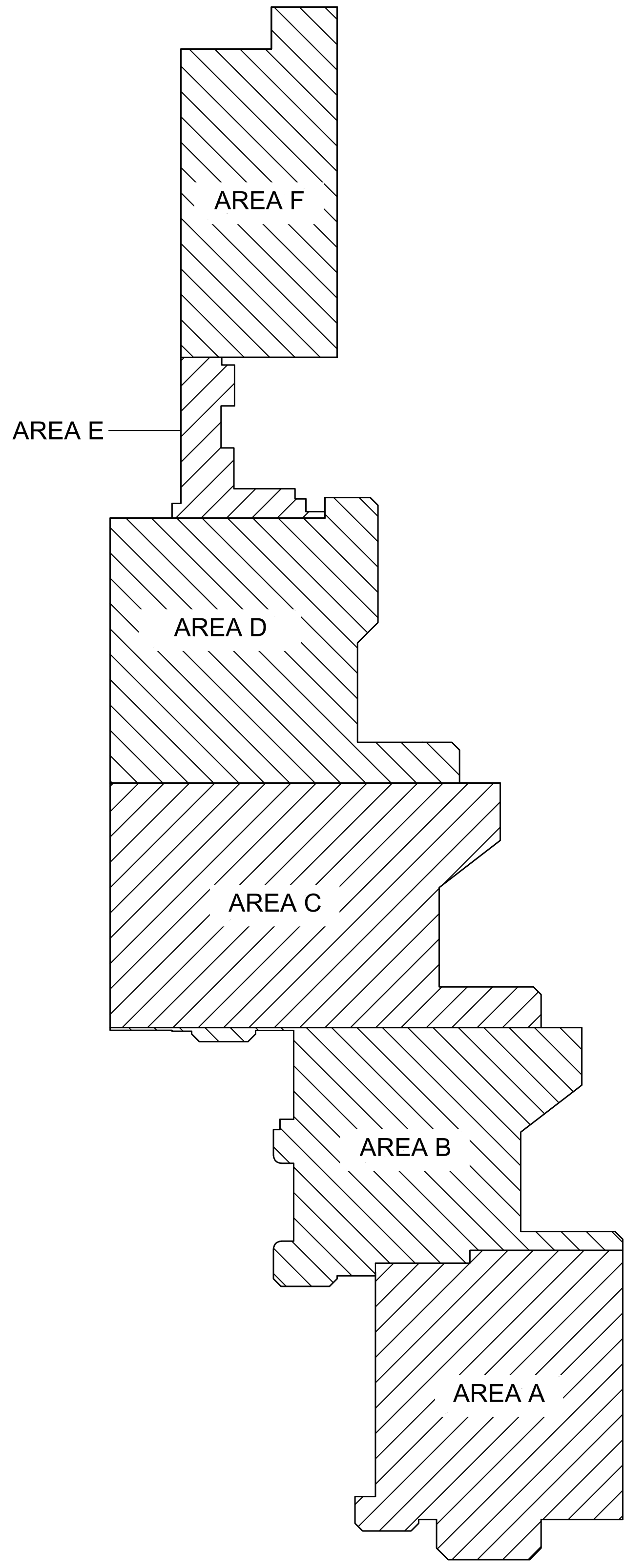
LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
OVERALL FLOOR PLANS

Designed By: KMO
Drawn By: MRS
Checked By: RGL

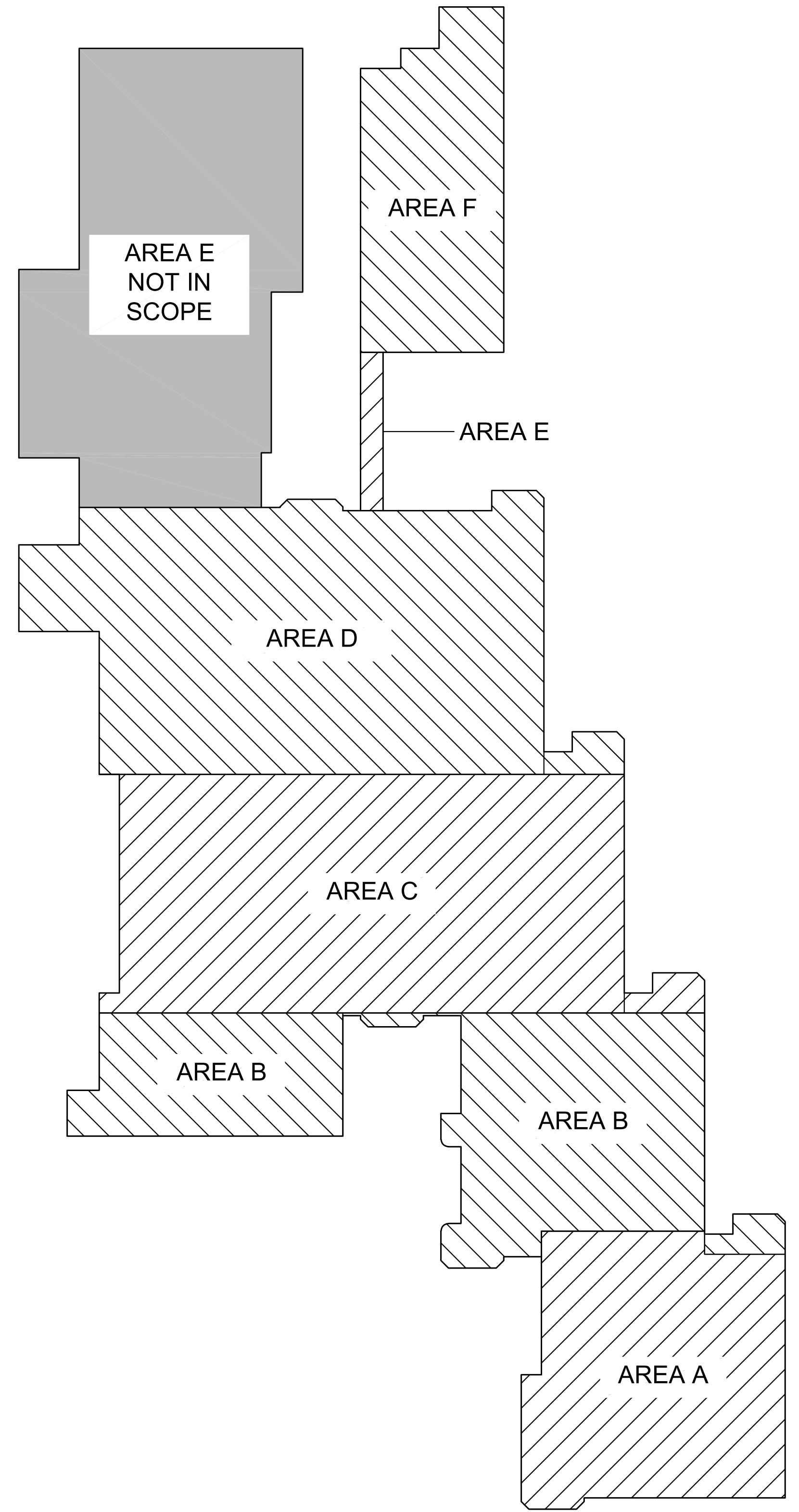
Date: 05/31/2024

E2.0

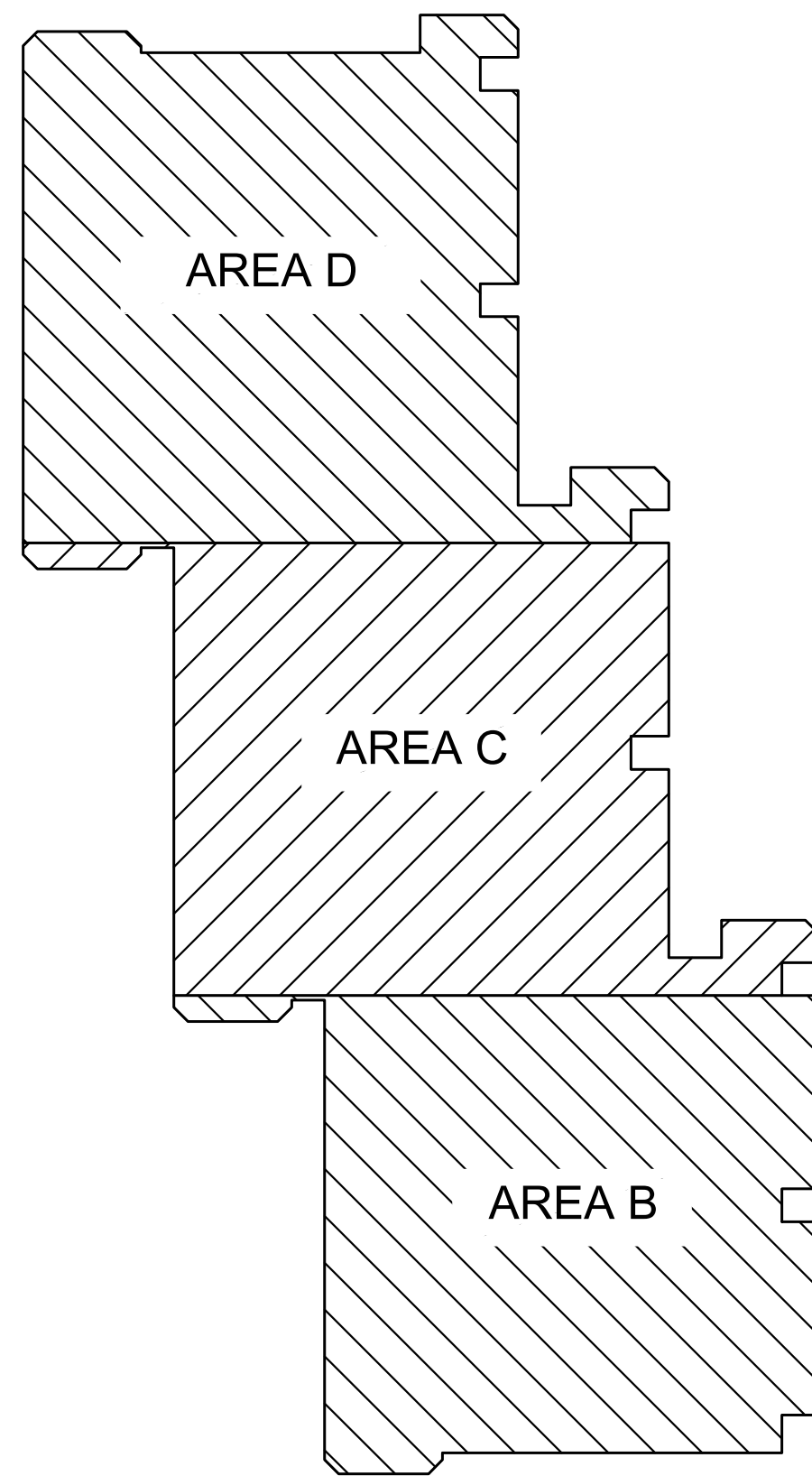
**SOLID SHADING INDICATES
AREAS NOT IN SCOPE, TYPICAL.**



OVERALL FIRST FLOOR PLAN
NO SCALE
Dwg # 230114-G1004.DWG



OVERALL SECOND FLOOR PLAN
NO SCALE
Dwg # 230114-G1005.DWG



OVERALL THIRD FLOOR PLAN
NO SCALE
Dwg # 230114-G1006.DWG

BID SET



Revision	Date	Mark

Revision	Date	Mark

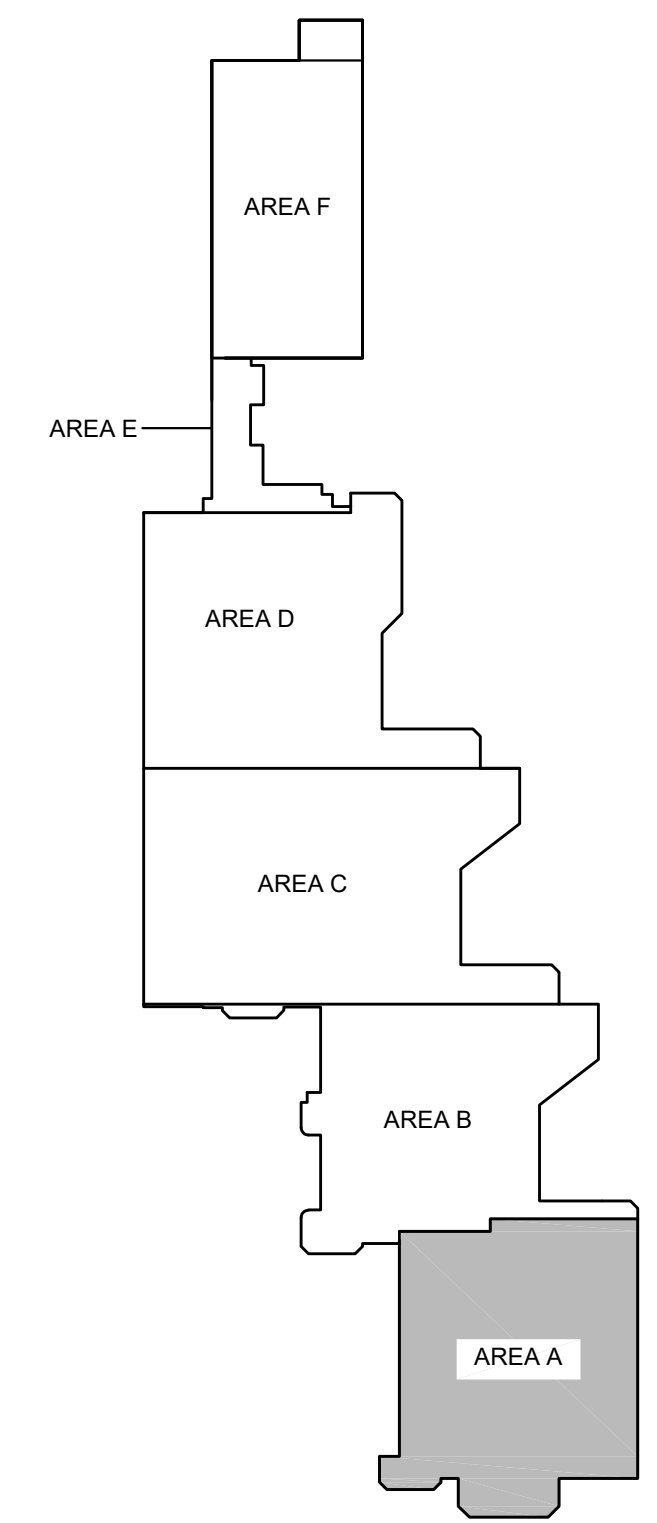
LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
PARTIAL FIRST FLOOR - AREA A LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

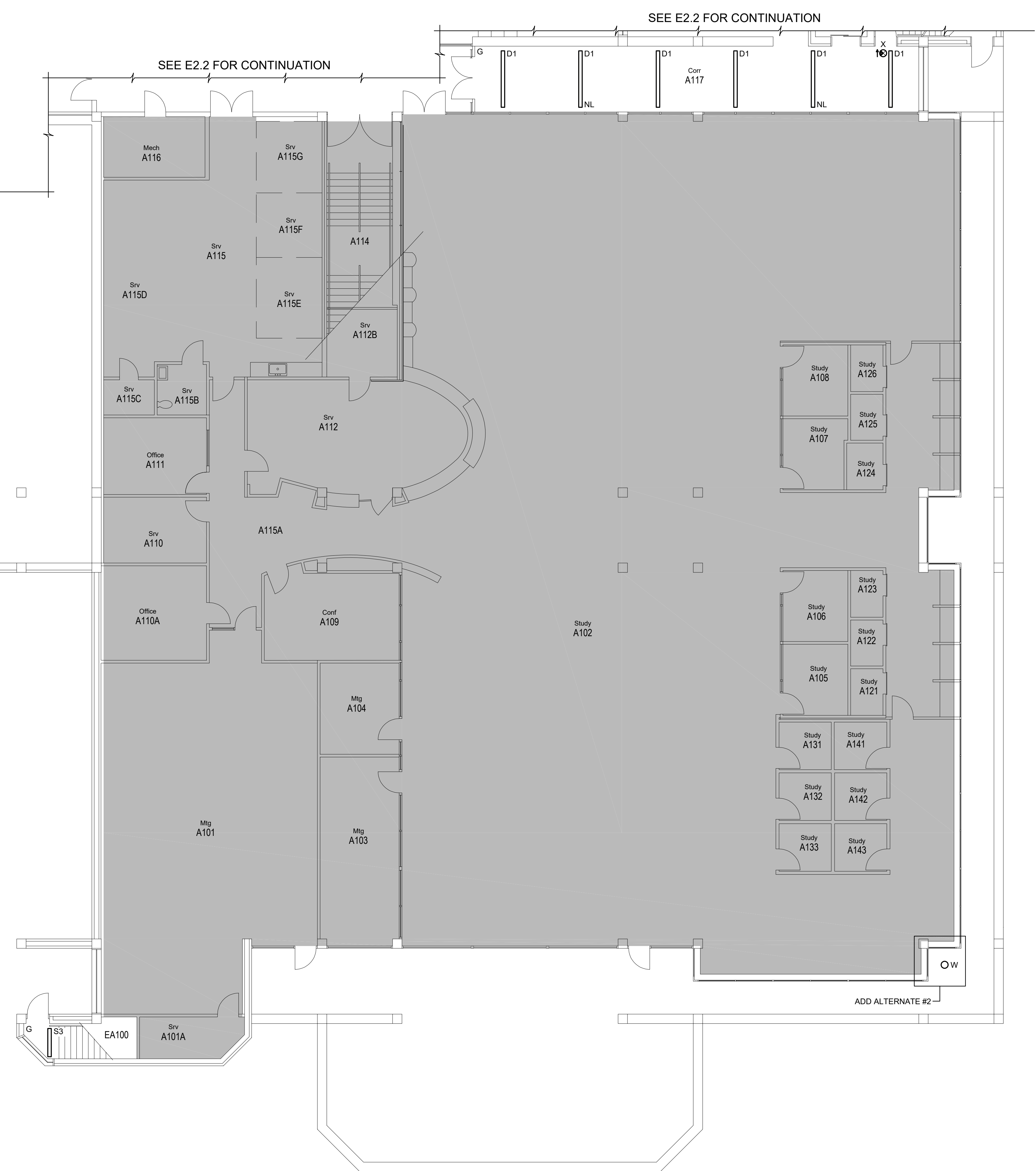
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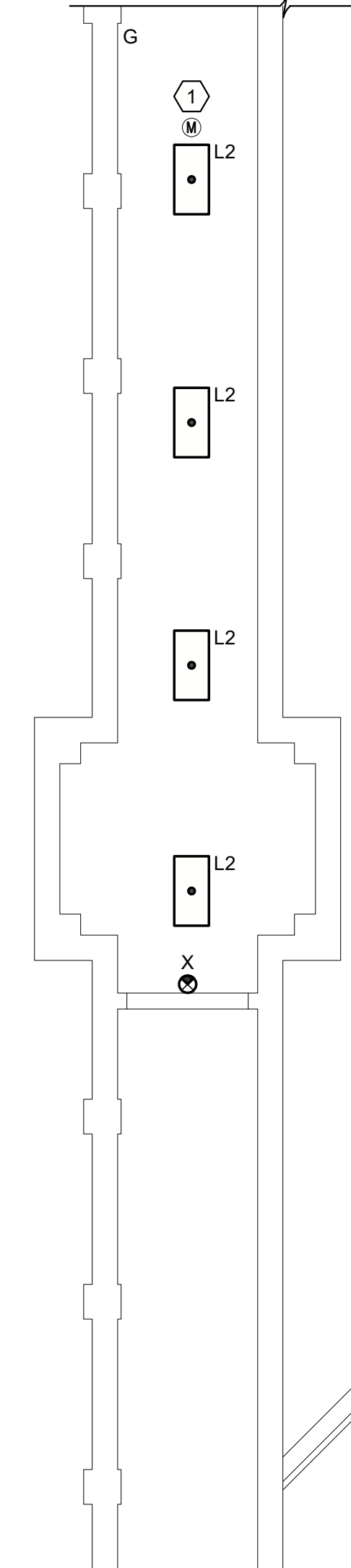
- GENERAL NOTES:**
Dwg.# 230114-E1004.dwg
- THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
 - EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
 - NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
 - LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
 - BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.
ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
 - EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.
- KEYED NOTES:**
Dwg.# 230114-E1A31A.DWG
- (1) EXISTING CEILING MOUNTED MOTION SENSOR TO REMAIN.



KEY PLAN
NO SCALE
Dwg.# 230114-G2021.DWG



1 PARTIAL FIRST FLOOR - AREA A LIGHTING PLAN
E2.1
1/8" = 1'-0"
Dwg.# 230114-E3K31A.DWG



SEE E2.2 FOR CONTINUATION

SEE E2.2 FOR CONTINUATION

ADD ALTERNATE #2



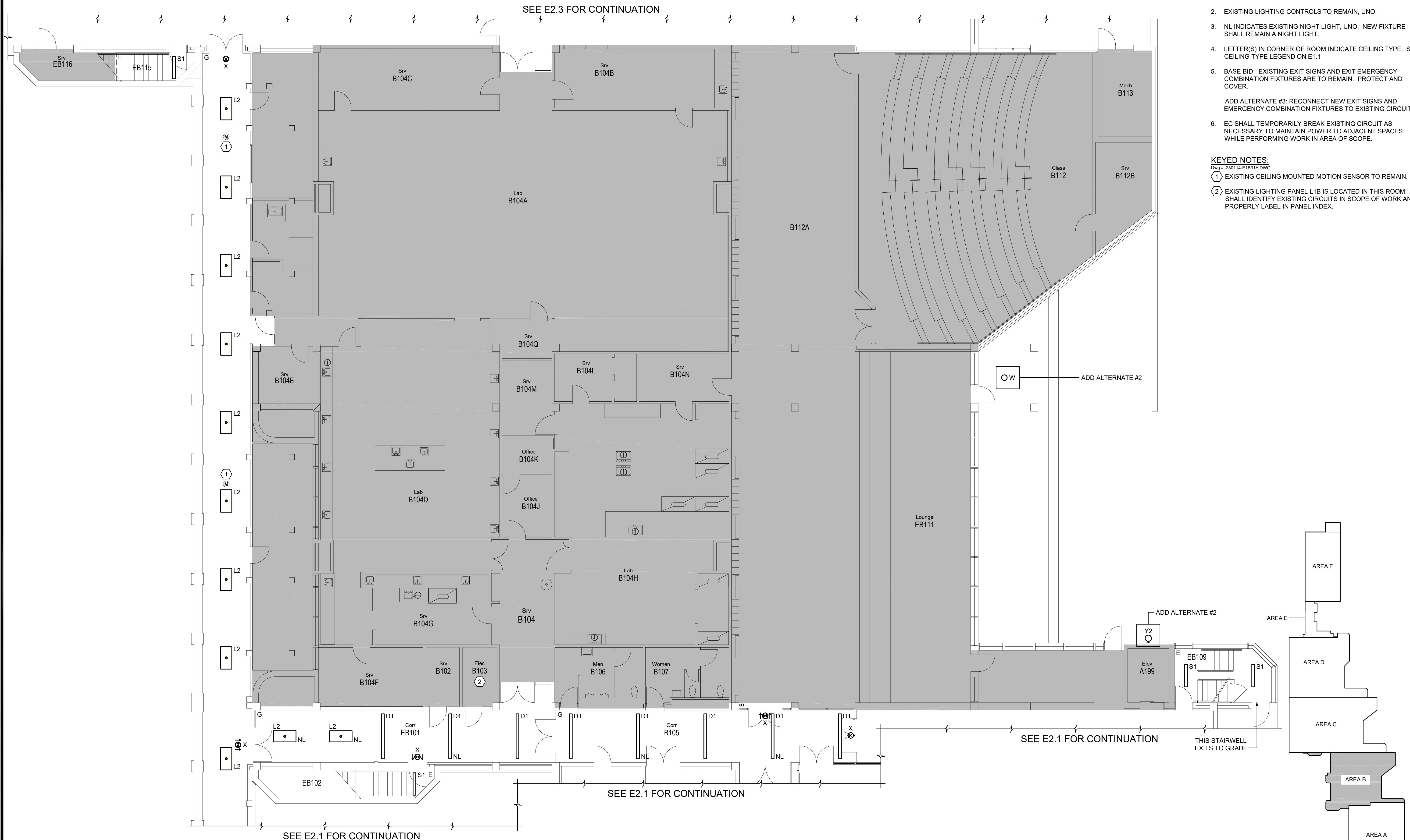
GENERAL NOTES:

1. THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
2. EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
3. NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
4. LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
5. BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.

ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
6. EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.

KEYED NOTES:

1. EXISTING CEILING MOUNTED MOTION SENSOR TO REMAIN.
2. EXISTING LIGHTING PANEL L1B IS LOCATED IN THIS ROOM. EC SHALL IDENTIFY EXISTING CIRCUITS IN SCOPE OF WORK AND PROPERLY LABEL IN PANEL INDEX.



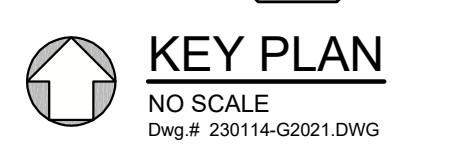
1 PARTIAL FIRST FLOOR - AREA B LIGHTING PLAN
E2.2
1/8" = 1'-0"
Dwg # 230114-E3B31A.DWG

Mark	Date	Revision

LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
PARTIAL FIRST FLOOR - AREA B LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

E2.2



BID SET



Revision	Date	Mark

Revision	Date	Mark

LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
PARTIAL FIRST FLOOR - AREA C LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

E2.3

BID SET

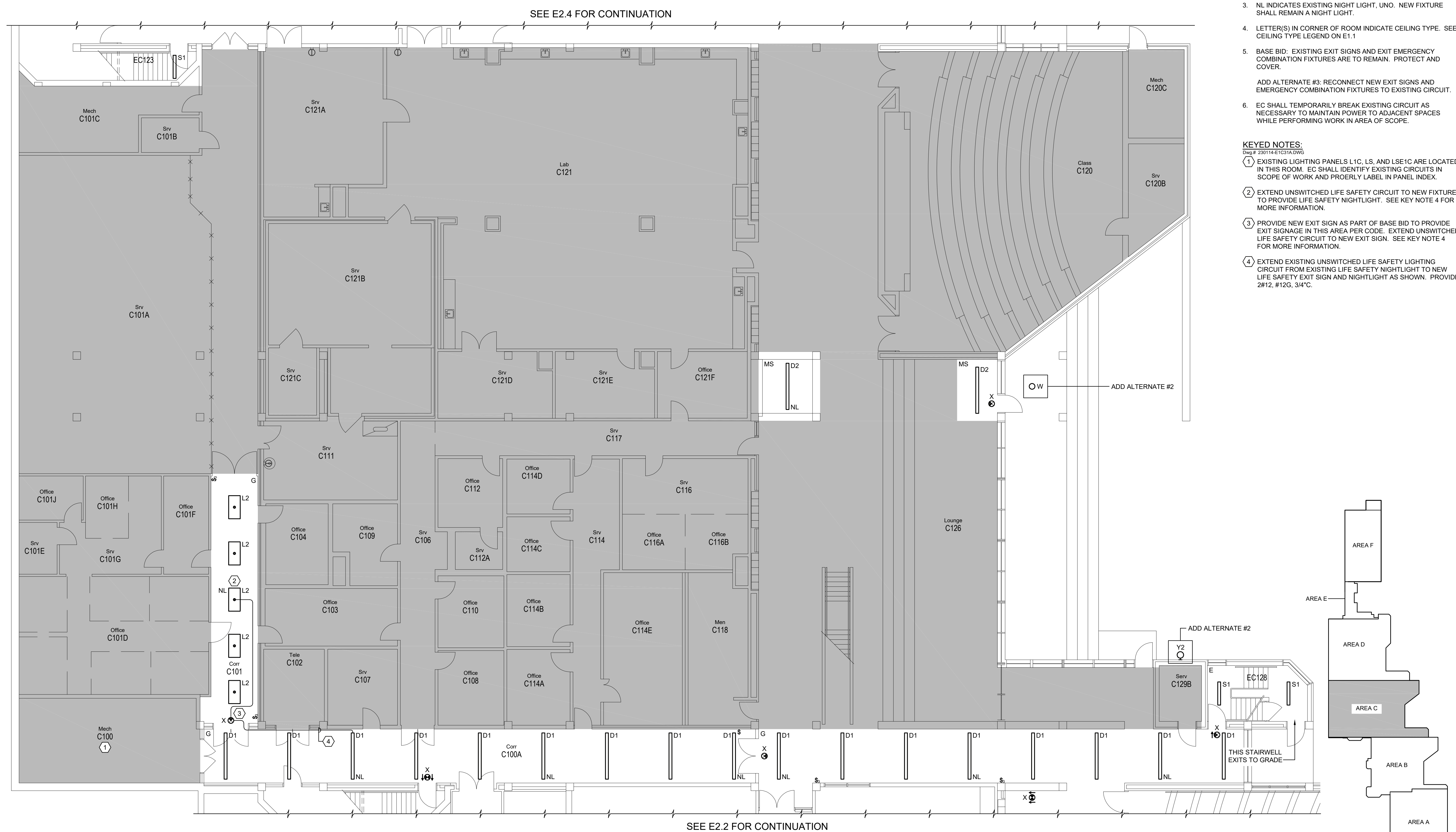
GENERAL NOTES:
Dwg # 230114-E1004.dwg

- THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
- EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
- NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
- LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
- BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.

ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
- EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.

KEYED NOTES:
Dwg # 230114-E1C31A.DWG

- EXISTING LIGHTING PANELS L1C, LS, AND LSE1C ARE LOCATED IN THIS ROOM. EC SHALL IDENTIFY EXISTING CIRCUITS IN SCOPE OF WORK AND PROPERLY LABEL IN PANEL INDEX.
- EXTEND UNSWITCHED LIFE SAFETY CIRCUIT TO NEW FIXTURE TO PROVIDE LIFE SAFETY NIGHTLIGHT. SEE KEY NOTE 4 FOR MORE INFORMATION.
- PROVIDE NEW EXIT SIGN AS PART OF BASE BID TO PROVIDE EXIT SIGNAGE IN THIS AREA PER CODE. EXTEND UNSWITCHED LIFE SAFETY CIRCUIT TO NEW EXIT SIGN. SEE KEY NOTE 4 FOR MORE INFORMATION.
- EXTEND EXISTING UNSWITCHED LIFE SAFETY LIGHTING CIRCUIT FROM EXISTING LIFE SAFETY NIGHTLIGHT TO NEW LIFE SAFETY EXIT SIGN AND NIGHTLIGHT AS SHOWN. PROVIDE 2#12, #12G, 3#4".



1 PARTIAL FIRST FLOOR - AREA C LIGHTING PLAN
E2.3
1/8" = 1'-0"
Dwg # 230114-E3C31A.DWG



KEY PLAN
NO SCALE
Dwg # 230114-G2021.DWG



Revision	Date	Mark

Revision	Date	Mark

LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
RALEIGH, NC
1060 WILLIAM MOORE DRIVE
PARTIAL FIRST FLOOR - AREA D LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

E2.4

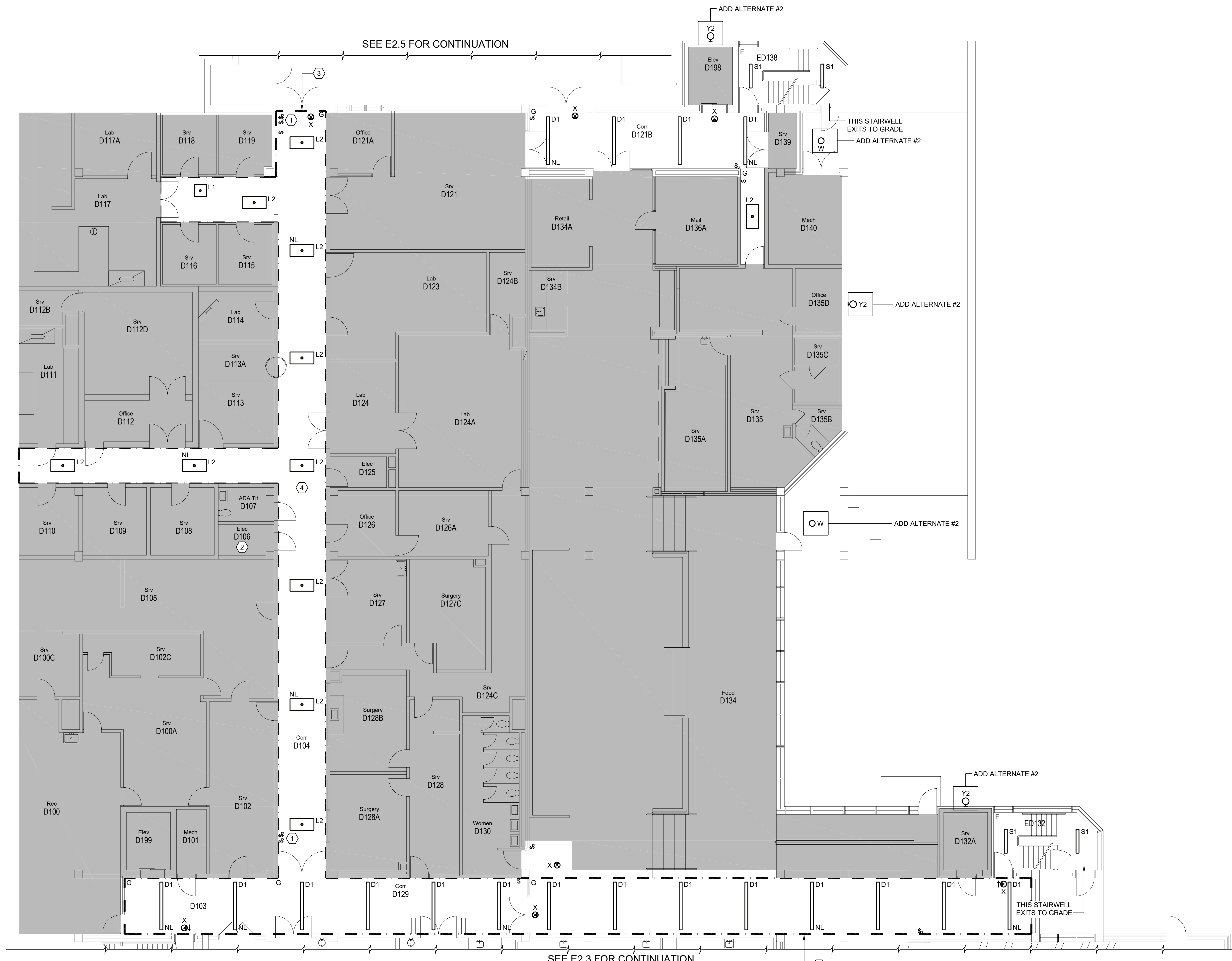
BID SET

GENERAL NOTES:

1. THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
2. EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
3. NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
4. LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
5. BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.
ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
6. EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.

KEYED NOTES:

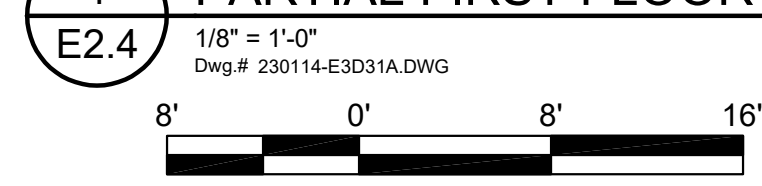
1. EXISTING SWITCHES SERVE INBOARD/OUTBOARD FIXTURES. REMOVE 1 OF 2 3-WAY SWITCHES IN 2-GANG BOX. CAP UNUSED CONDUCTOR(S). IDENTIFY/TAG UNUSED CONDUCTOR(S) FOR FUTURE USE. PROVIDE NEW 2-GANG, 1-TOGGLE/1-BLANK COVERPLATE IN MATCHING FINISH.
2. EXISTING LIGHTING PANELS L1D AND EL1D ARE LOCATED IN THIS ROOM. EC SHALL IDENTIFY EXISTING CIRCUITS IN SCOPE OF WORK AND PROPERLY LABEL IN PANEL INDEX.
3. ACCESS TO THIS AREA MUST BE COORDINATED WITH THE UNIVERSITY.
4. EXISTING INBOARD/OUTBOARD FIXTURES IN CORRIDOR TO BE REPLACED. CAP UNUSED CONDUCTOR(S). IDENTIFY/TAG UNUSED CONDUCTOR(S) FOR FUTURE USE.



SEE E2.5 FOR CONTINUATION

SEE E2.3 FOR CONTINUATION

1
E2.4 PARTIAL FIRST FLOOR - AREA D LIGHTING PLAN

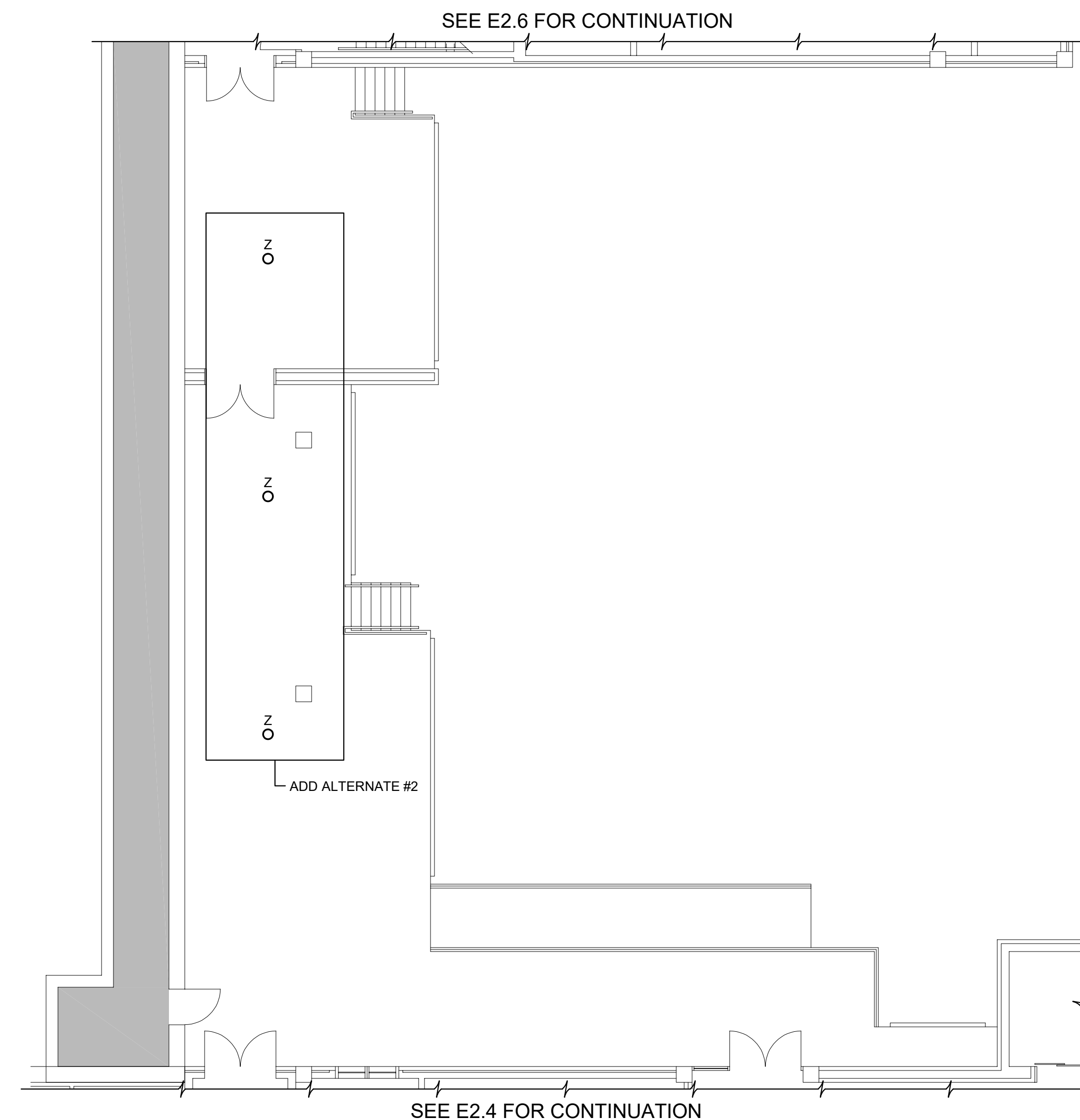




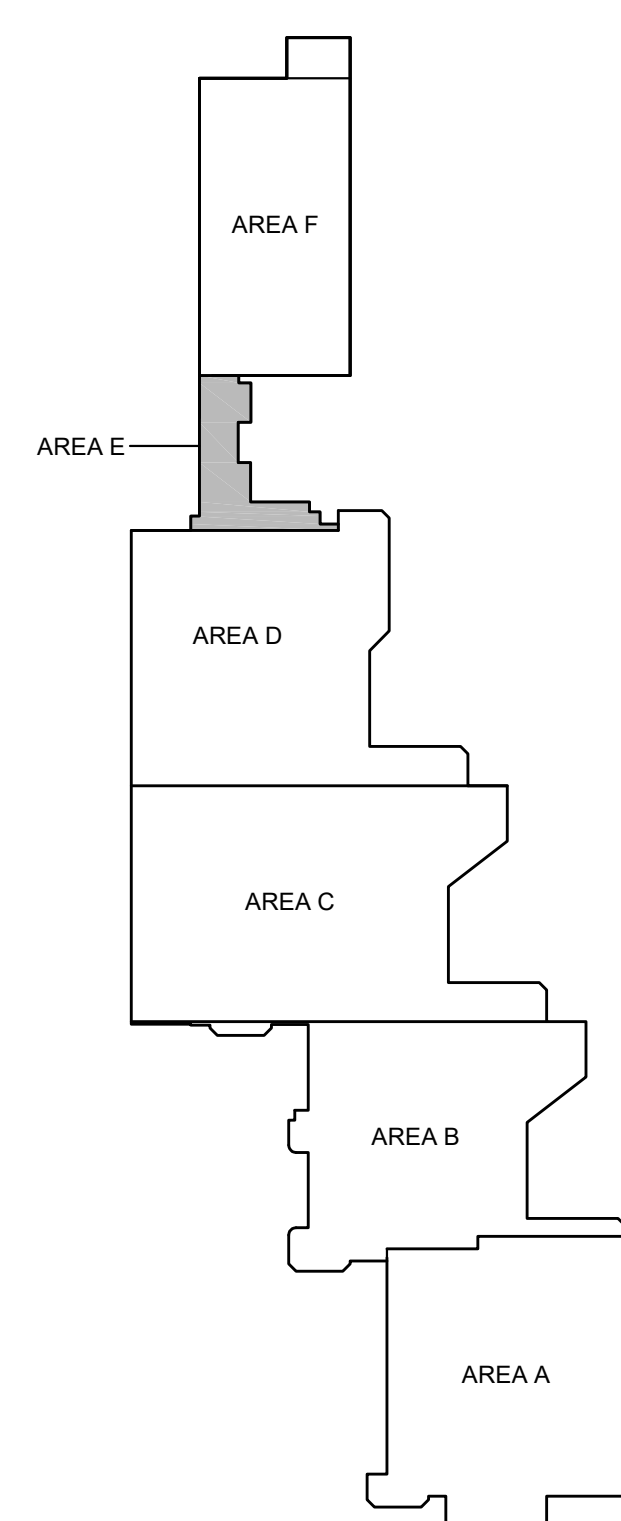
GENERAL NOTES:

1. THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
2. EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
3. NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
4. LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
5. BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.

ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
6. EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.



1 PARTIAL FIRST FLOOR - AREA E LIGHTING PLAN
E2.5
1/8" = 1'-0"
Dwg # 230114-E3E31A.DWG
8' 0' 8' 16'



KEY PLAN
NO SCALE
Dwg # 230114-G2021.DWG

Mark	Date	Revision

LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
PARTIAL FIRST FLOOR - AREA E LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

BID SET



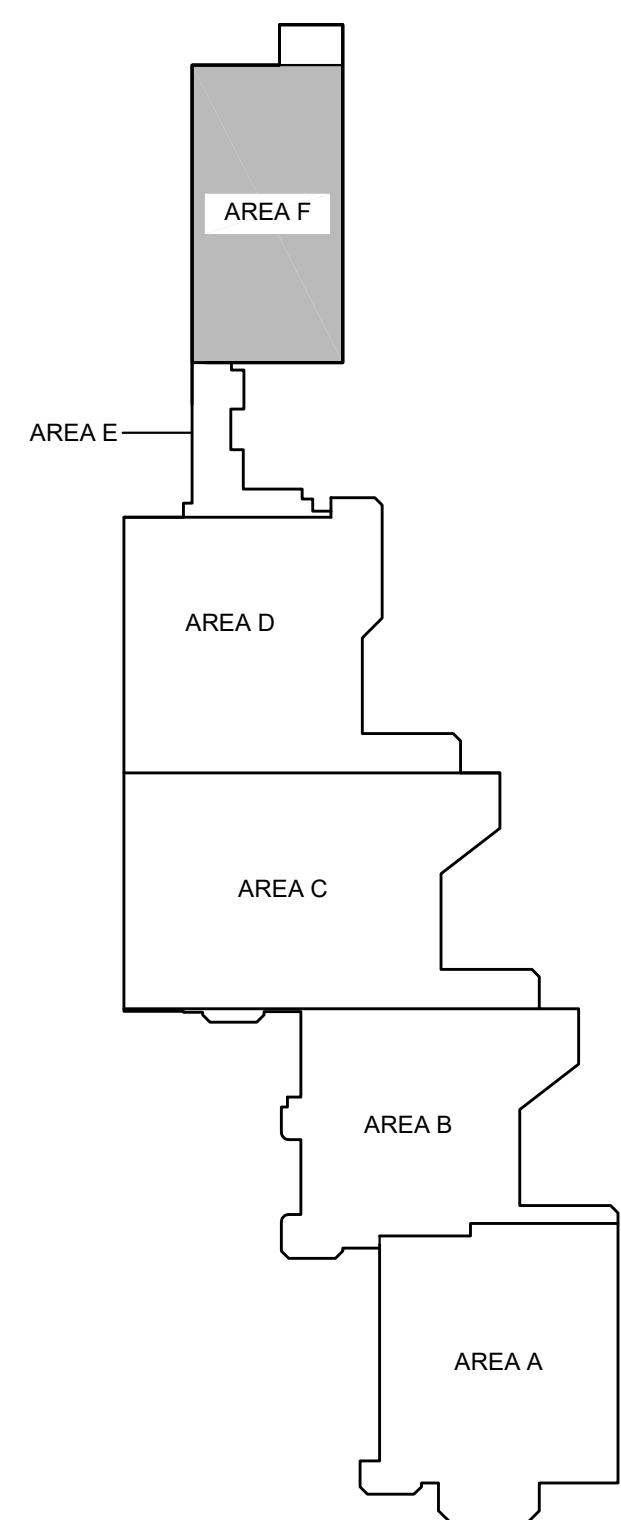
GENERAL NOTES:

- THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
- EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
- NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
- LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
- BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.

ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
- EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.

KEYED NOTES:

- EXISTING LIGHTING PANEL L1F IS LOCATED IN THIS ROOM. EC SHALL IDENTIFY EXISTING CIRCUITS IN SCOPE OF WORK AND PROPERLY LABEL IN PANEL INDEX.
- ACCESS TO THIS AREA MUST BE COORDINATED WITH THE UNIVERSITY.



1 PARTIAL FIRST FLOOR - AREA F LIGHTING PLAN

E2.6
1/8" = 1'-0"
Dwg # 230114-E3F31A.DWG



Mark	Date	Revision

LED Conversion - Phase 1 (SCO ID: 22-24921-07A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
RALEIGH, NC
1060 WILLIAM MOORE DRIVE
PARTIAL FIRST FLOOR - AREA F LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024



E2.6

BID SET



Revision	Date	Mark

Revision	Date	Mark

LED Conversion - Phase 1 (SCO ID: 22-24921-07A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
PARTIAL SECOND FLOOR - AREA A LIGHTING PLAN

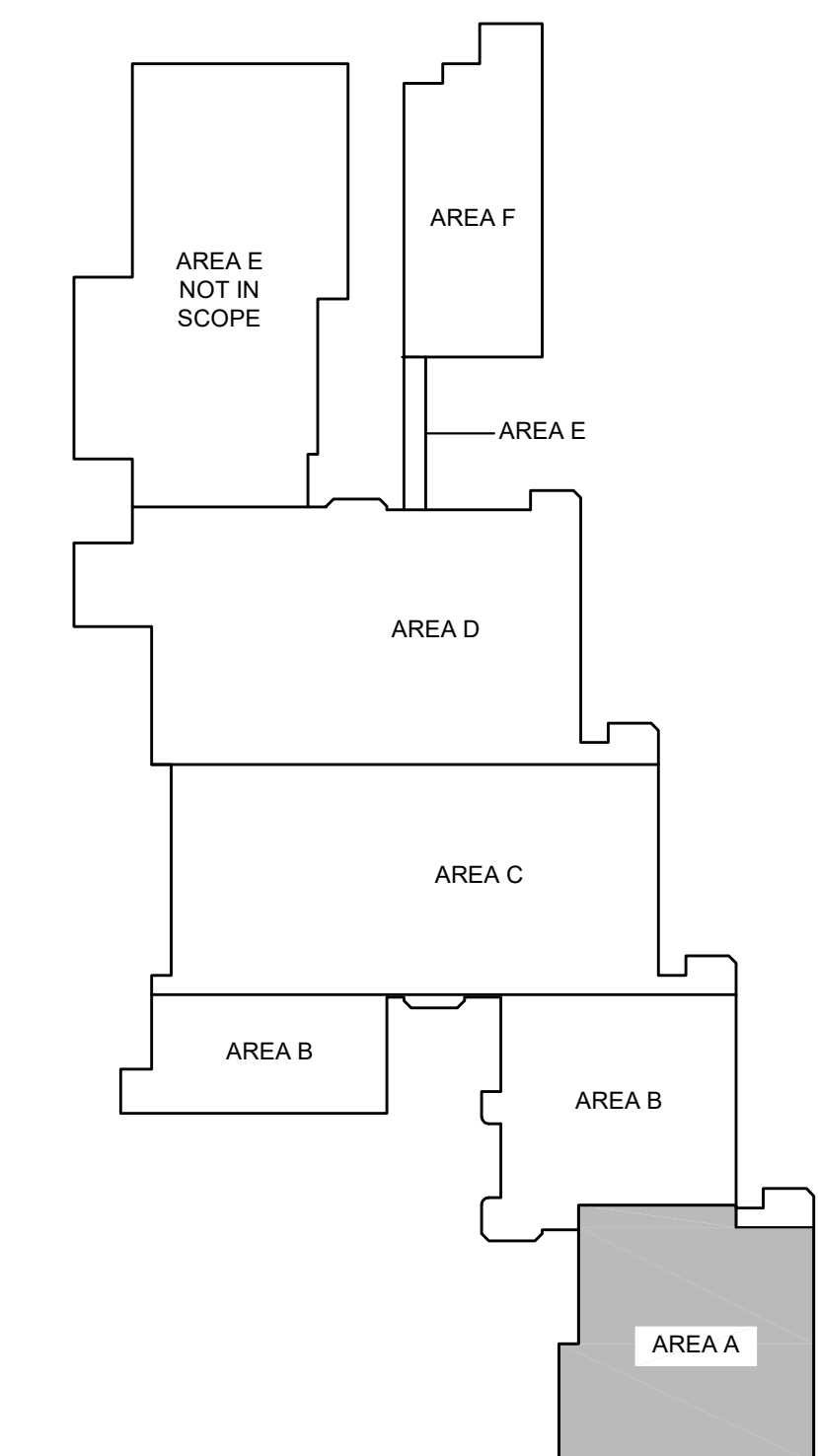
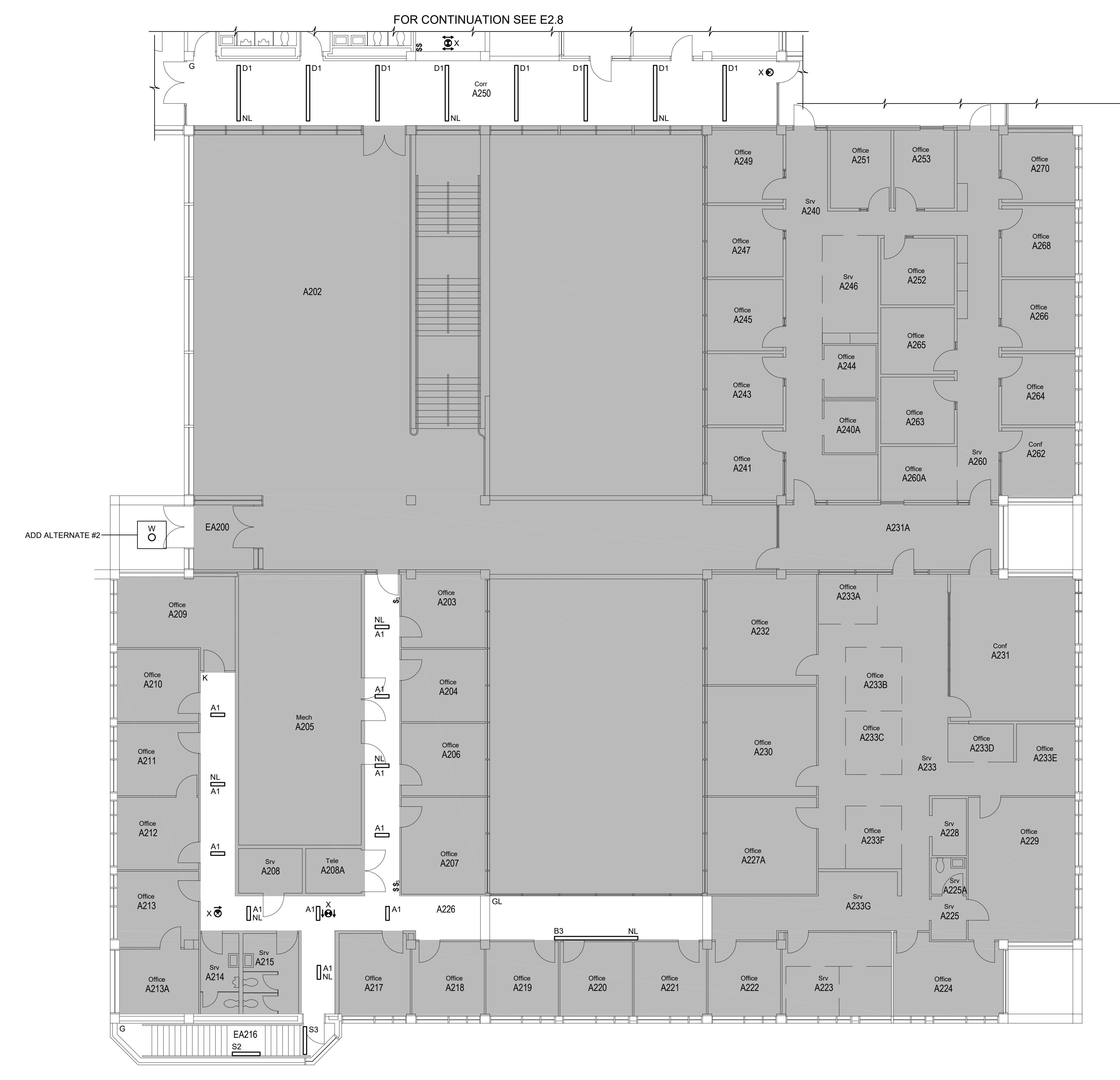
Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

E2.7

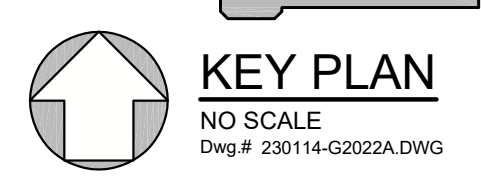
BID SET

- GENERAL NOTES:**
Dwg # 230114-E1004.dwg
1. THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
 2. EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
 3. NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
 4. LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
 5. BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.

ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
 6. EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.



1
E2.7
PARTIAL SECOND FLOOR - AREA A LIGHTING PLAN
1/8" = 1'-0"
Dwg # 230114-E3A32A.DWG



GENERAL NOTES:

Dwg.# 230114-E1004.dwg

- THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
- EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
- NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
- LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1.

- BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.
ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
- EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.

KEYED NOTES:

Dwg.# 230114-E1B32A.DWG

- NOT USED.
- EXISTING SWITCHES SERVE INBOARD/OUTBOARD FIXTURES. REMOVE 1 OF 2 3-WAY SWITCHES IN 2-GANG BOX. REMOVE UNUSED CONDUCTOR(S). PROVIDE NEW 2-GANG, 1-TOGGLE/1-BLANK COVERPLATE IN MATCHING FINISH.
- EXISTING SWITCHES SERVE INBOARD/OUTBOARD FIXTURES. REMOVE 1 TOGGLE SWITCH AND UNUSED CONDUCTOR(S). REPLACE 1 TOGGLE SWITCH WITH DIMMING SWITCH. PROVIDE NEW 0-10V DIMMING CONTROL WIRING TO FIXTURES IN THIS ROOM. PROVIDE NEW 2-GANG, 1-DECORATOR STYLE/1-BLANK COVERPLATE IN MATCHING FINISH.

- REPLACE 6 TOGGLE SWITCHES WITH DIMMING SWITCHES. PROVIDE NEW 0-10V DIMMING CONTROL WIRING FROM EACH DIMMING SWITCH TO THE RESPECTIVE FIXTURES IN ITS ZONE. NEW DEVICES AND COVERPLATE FINISH TO MATCH EXISTING.
- NEW CEILING MOUNTED OCCUPANCY SENSOR. REWORK EXISTING LIGHTING CIRCUIT SERVING THIS ROOM TO CONTROL FIXTURES IN THIS ROOM. MOUNT ON BOX SUSPENDED FROM STRUCTURE 10' AFF.
- REMOVE 1 TOGGLE SWITCH. REPLACE 1 TOGGLE SWITCH WITH A DIMMING SWITCH. REWORK EXISTING SWITCHED CIRCUITING SO THAT THE DIMMING SWITCH CONTROLS ALL LIGHTS IN THE ROOM. PROVIDE NEW 0-10V DIMMING CONTROL WIRING TO FIXTURES IN THIS ROOM. NEW DEVICE AND COVERPLATE FINISH TO MATCH EXISTING.
- REUSE EXISTING LIGHTING CIRCUIT IN THIS ROOM. WIRING SHOWN IS INDICATING THE EXISTING CONTROL ZONES TO BE USED FOR INSTALLING NEW 0-10V WIRING.
- NEW CEILING MOUNTED OCCUPANCY SENSOR. REWORK EXISTING LIGHTING CIRCUIT SERVING ROOM TO CONTROL FIXTURES IN THIS ROOM.
- NEW FIXTURE WILL REQUIRE GYPSUM CEILING REWORK.
- EXISTING LED DOWNLIGHT TO REMAIN.
- REPLACE EXISTING DIMMING SWITCH. VERIFY DIMMING SWITCH TYPE REQUIRED WITH EXISTING DOWNLIGHT INSTALLED.
- EXISTING LIGHTING PANEL L2B IS LOCATED IN THIS ROOM. EC SHALL IDENTIFY EXISTING CIRCUITS IN SCOPE OF WORK AND PROPERLY LABEL IN PANEL INDEX.
- ACCESS TO THIS AREA MUST BE COORDINATED WITH THE UNIVERSITY.
- REPLACE TOGGLE SWITCH WITH DIMMING SWITCH. PROVIDE NEW 0-10V DIMMING CONTROL WIRING TO FIXTURES IN THIS ROOM. NEW DEVICE AND COVERPLATE FINISH TO MATCH EXISTING.
- REPLACE TOGGLE SWITCHES WITH DIMMING SWITCHES. PROVIDE NEW 0-10V DIMMING CONTROL WIRING FROM EACH DIMMING SWITCH TO ITS RESPECTIVE FIXTURES. NEW DEVICES AND COVERPLATE FINISH TO MATCH EXISTING.

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CHARLESTON, SC
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Project Number: 230114
File Name: 230114-E0208A
Project: 5/31/2024 5:38 PM



Revision	Date	Mark

LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
RALEIGH, NC
1060 WILLIAM MOORE DRIVE
PARTIAL SECOND FLOOR - AREA B LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

E2.8

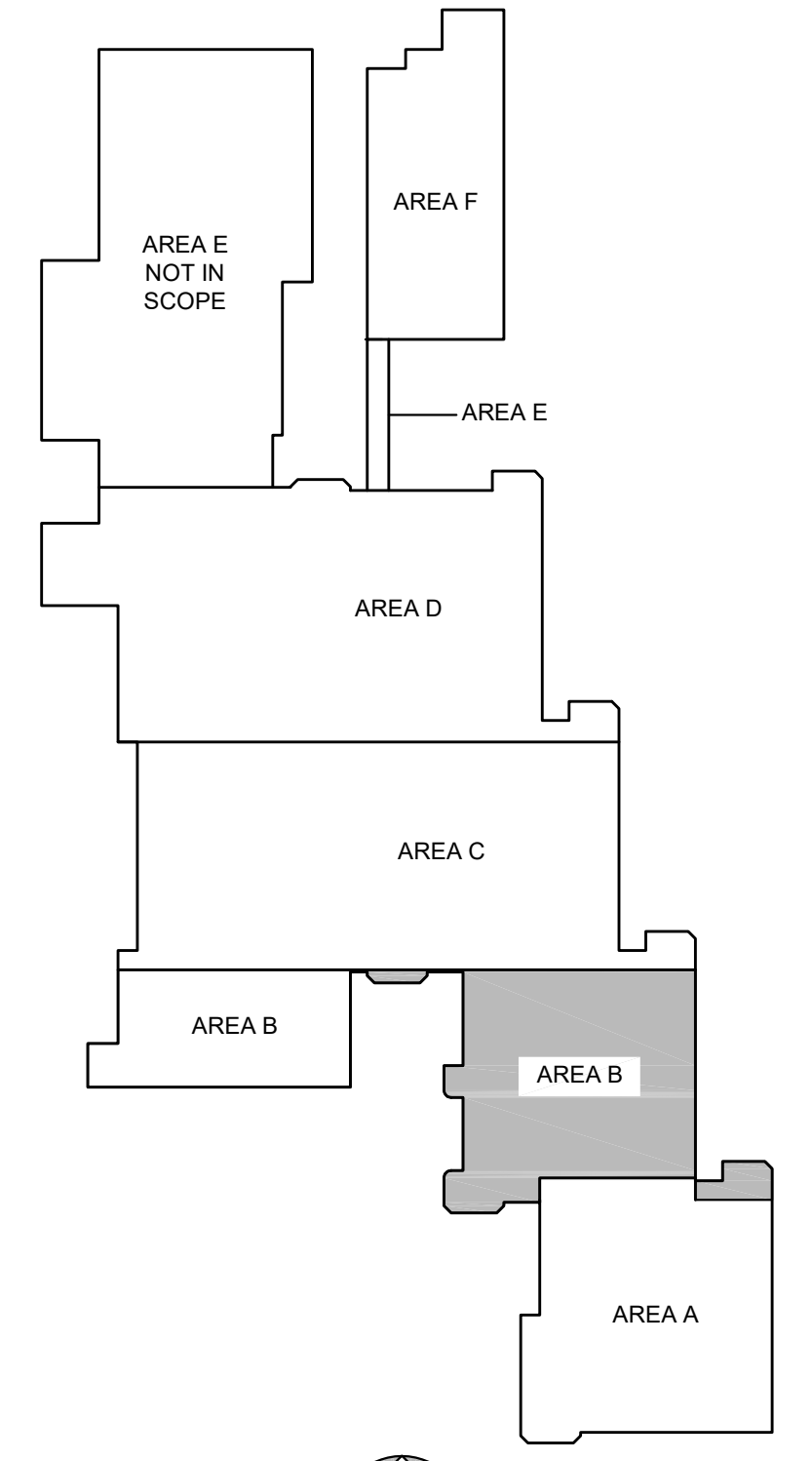
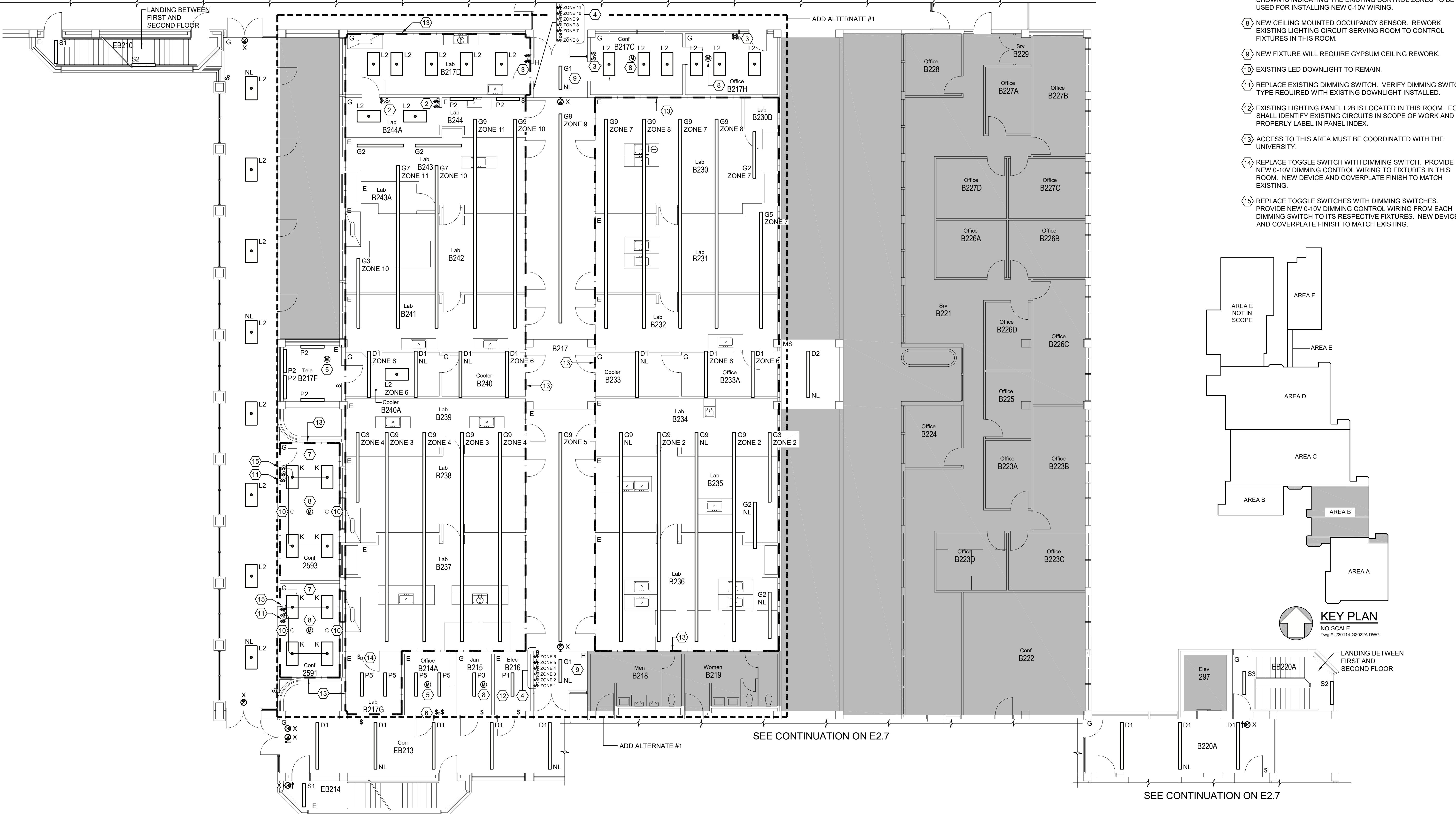
SEE CONTINUATION ON E2.9

ADD ALTERNATE #1

ADD ALTERNATE #1

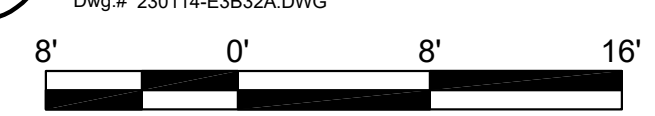
SEE CONTINUATION ON E2.7

SEE CONTINUATION ON E2.7



1 PARTIAL SECOND FLOOR - AREA B LIGHTING PLAN

1/8" = 1'-0"
Dwg.# 230114-E3B32A.DWG



BID SET



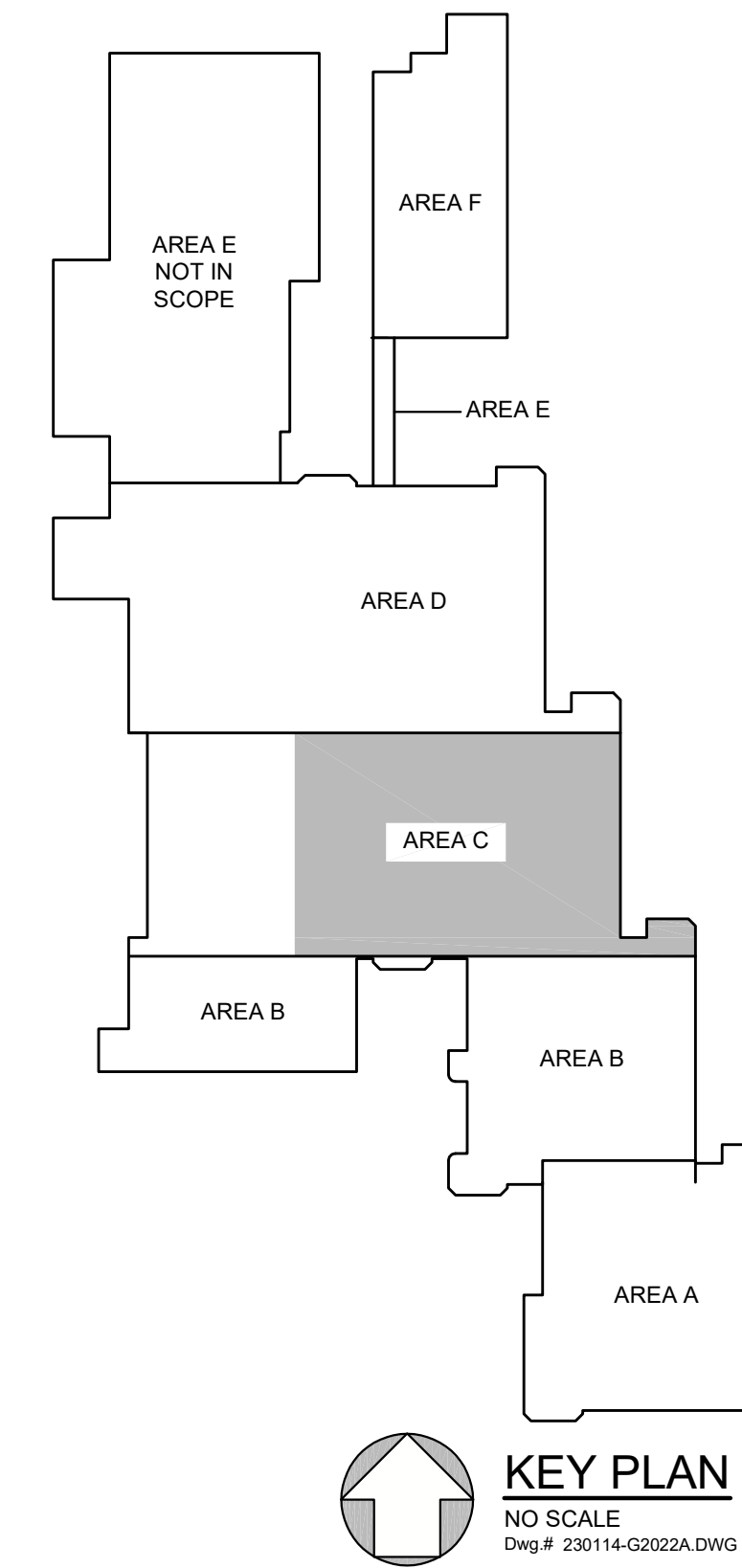
GENERAL NOTES:

1. THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
2. EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
3. NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
4. LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
5. BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.

ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
6. EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.

KEYED NOTES:

- 1 EXISTING WALL MOUNTED FIXTURE TO REMAIN. NOT IN PROJECT SCOPE.
- 2 EXISTING LIGHTING PANELS L2C AND L2E2C ARE LOCATED IN THIS ROOM. EC SHALL IDENTIFY EXISTING CIRCUITS IN SCOPE OF WORK AND PROPERLY LABEL IN PANEL INDEX.
- 3 EXISTING LIGHTING PANEL EL2C IS LOCATED IN THIS ROOM. EC SHALL IDENTIFY EXISTING CIRCUITS IN SCOPE OF WORK AND PROPERLY LABEL IN PANEL INDEX.



SEE E2.10 FOR CONTINUATION

SEE E2.8 FOR CONTINUATION

1 PARTIAL SECOND FLOOR - AREA C LIGHTING PLAN
E2.9
1/8" = 1'-0"
Dwg.# 230114-E3C32A.DWG



Mark	Date	Revision

LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
PARTIAL SECOND FLOOR - AREA C LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024



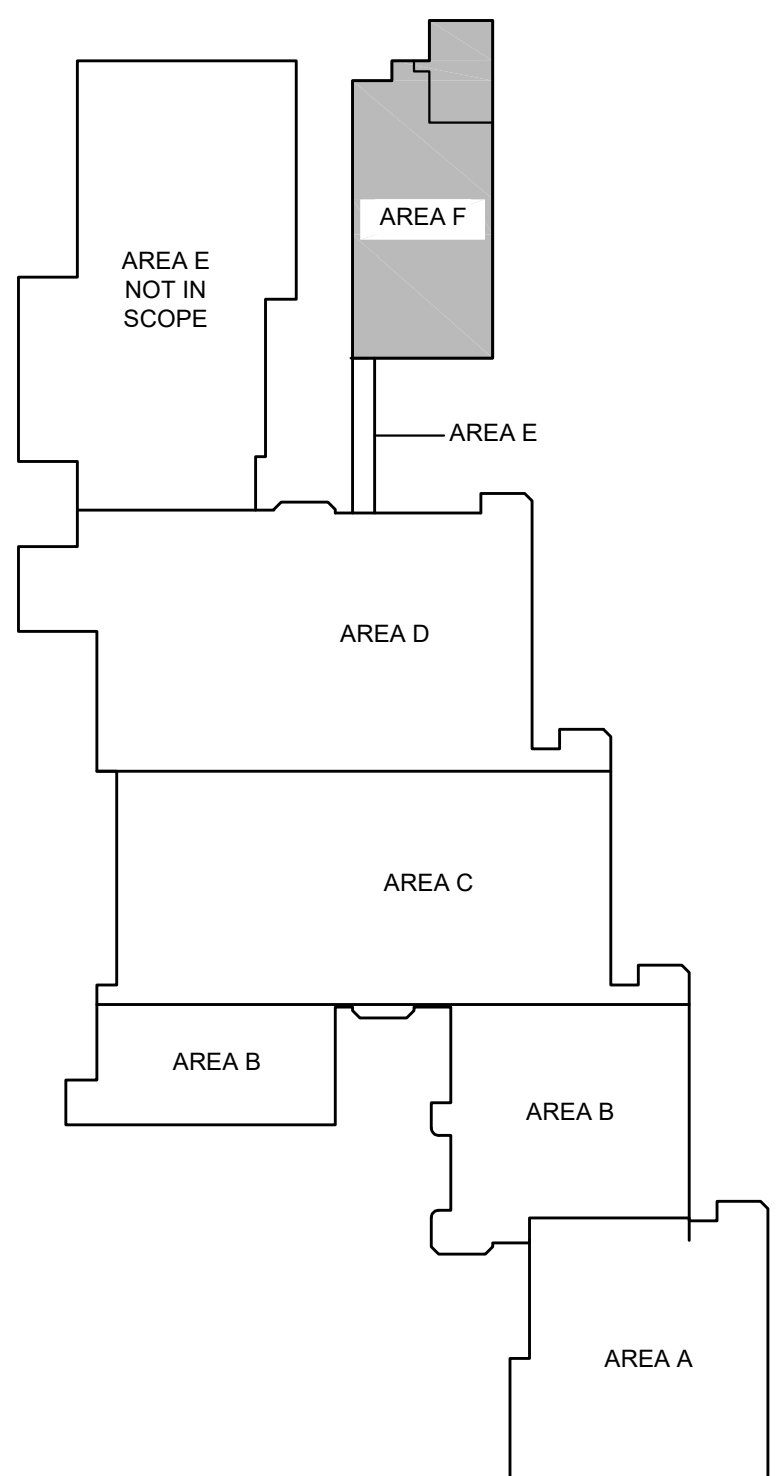
GENERAL NOTES:

- Dwg # 230114-E1004.dwg
- THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
 - EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
 - NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
 - LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
 - BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.

ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
 - EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.

KEYED NOTES:

- Dwg # 230114-E1004.dwg
- EXISTING LIGHTING PANEL L2F2 IS LOCATED IN THIS ROOM. EC SHALL IDENTIFY EXISTING CIRCUITS IN SCOPE OF WORK AND PROPERLY LABEL IN PANEL INDEX.
 - ACCESS TO THIS AREA MUST BE COORDINATED WITH THE UNIVERSITY.



KEY PLAN
NO SCALE
Dwg # 230114-G2020A.DWG

Mark	Date	Revision

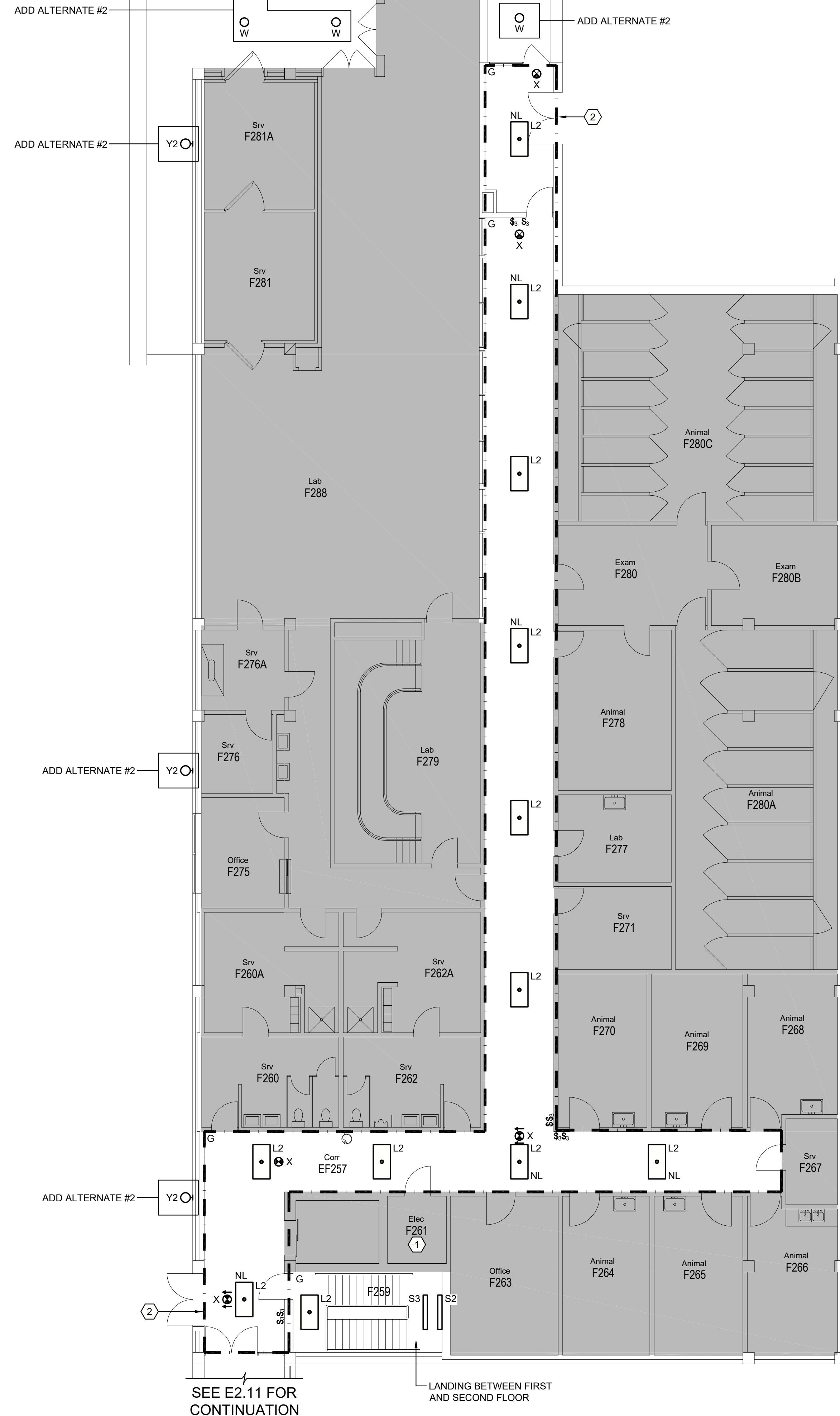
LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
PARTIAL SECOND FLOOR - AREA F LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

E2.12

BID SET

SEE 2/E2.12 FOR CONTINUATION



SEE E2.11 FOR CONTINUATION

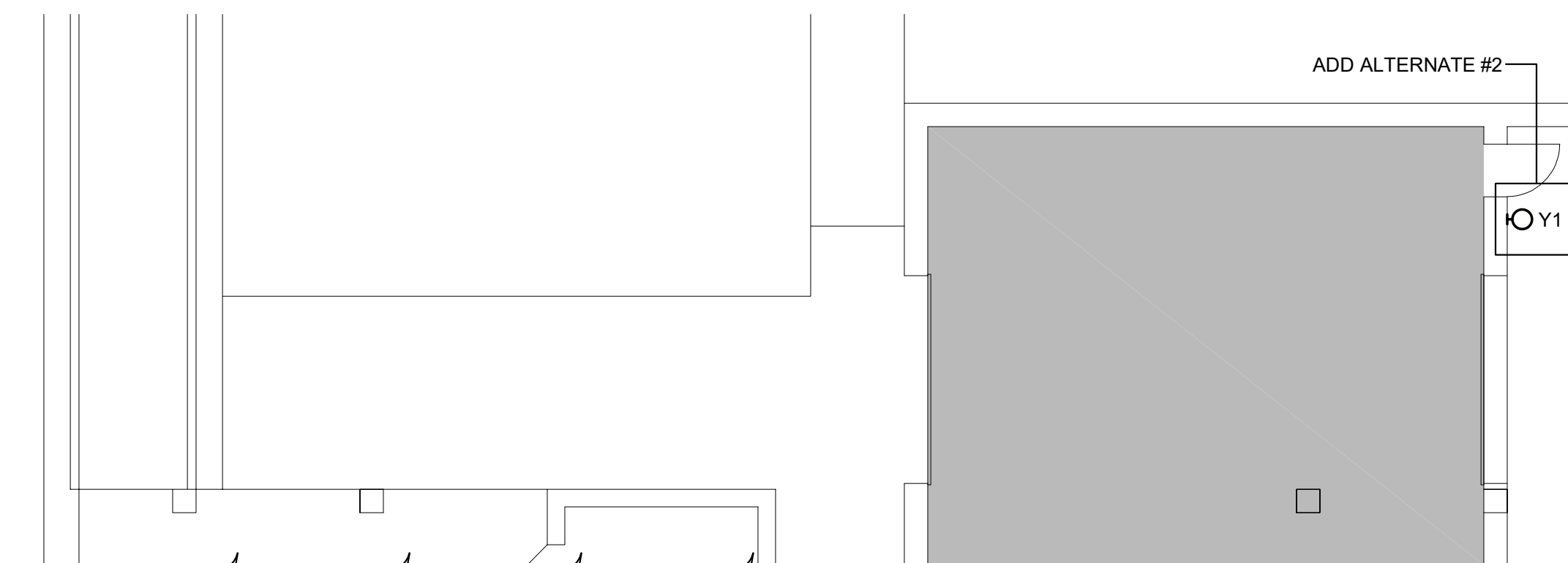
LANDING BETWEEN FIRST AND SECOND FLOOR

1
E2.12 PARTIAL SECOND FLOOR - AREA F LIGHTING PLAN

1/8" = 1'-0"
Dwg # 230114-E3F32A.DWG



SEE 1/E2.12 FOR CONTINUATION



2
E2.12 PARTIAL SECOND FLOOR - DOCK LIGHTING PLAN

1/8" = 1'-0"
Dwg # 230114-E3F32A.DWG





GENERAL NOTES:

1. THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
2. EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
3. NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
4. LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
5. BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.

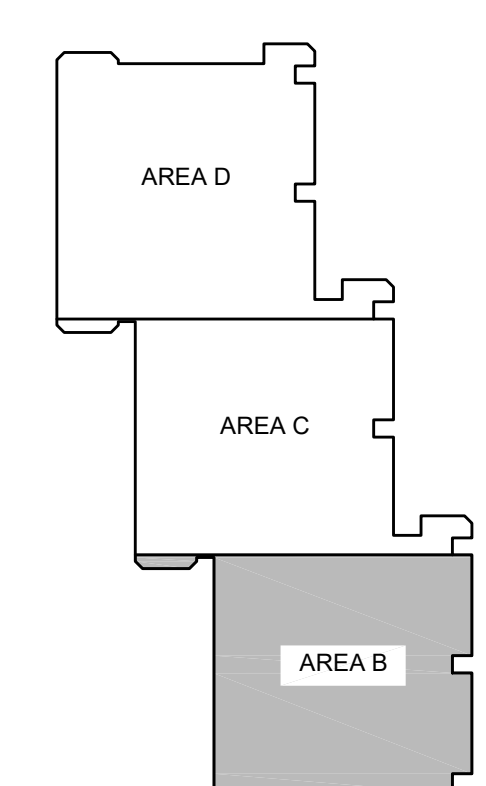
ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
6. EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.

KEYED NOTES:

1. EXISTING LIGHTING PANEL L3B IS LOCATED IN THIS ROOM. EC SHALL IDENTIFY EXISTING CIRCUITS IN SCOPE OF WORK AND PROPERLY LABEL IN PANEL INDEX.



1 PARTIAL THIRD FLOOR - AREA B LIGHTING PLAN
E2.13
1/8" = 1'-0"
Dwg.# 230114-E3833A.DWG



KEY PLAN
NO SCALE
Dwg.# 230114-G2001.DWG

Revision	Date	Mark

LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
RALEIGH, NC
1060 WILLIAM MOORE DRIVE
PARTIAL THIRD FLOOR - AREA B LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

E2.13

BID SET



Revision	Date	Mark

LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
PARTIAL THIRD FLOOR - AREA C LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

E2.14

BID SET

GENERAL NOTES:
Dwg # 230114-E1004.dwg

- THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
- EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
- NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
- LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
- BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.

ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
- EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.

KEYED NOTES:
Dwg # 230114-E1C33A.DWG

- EXISTING LIGHTING PANEL L3C IS LOCATED IN THIS ROOM. EC SHALL IDENTIFY EXISTING CIRCUITS IN SCOPE OF WORK AND PROPERLY LABEL IN PANEL INDEX.
- EXISTING LIGHTING PANEL L3E3C IS LOCATED IN THIS ROOM. EC SHALL IDENTIFY EXISTING CIRCUITS IN SCOPE OF WORK AND PROPERLY LABEL IN PANEL INDEX.



1
E2.14 PARTIAL THIRD FLOOR - AREA C LIGHTING PLAN
1/8" = 1'-0"
Dwg # 230114-E1C33A.DWG



KEY PLAN
NO SCALE
Dwg # 230114-G2001.DWG

SEE E2.15 FOR CONTINUATION

SEE E2.13 FOR CONTINUATION

LANDING BETWEEN SECOND AND THIRD FLOOR

LANDING BETWEEN SECOND AND THIRD FLOOR



Mark	Date	Revision

LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
PARTIAL THIRD FLOOR - AREA D LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

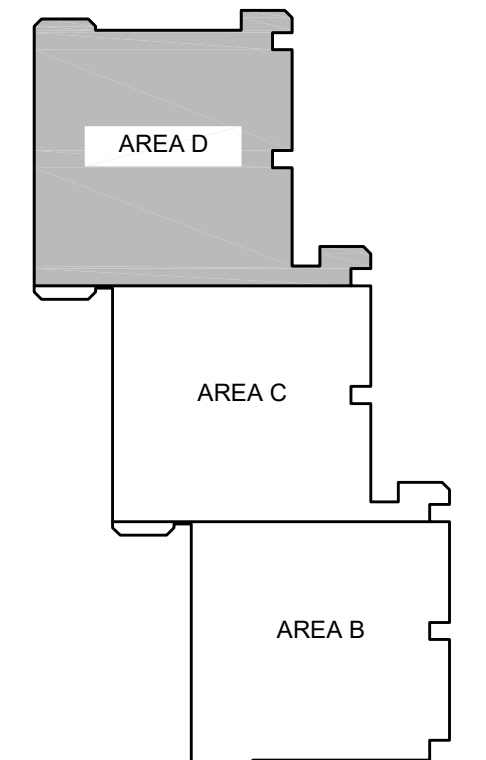
E2.15



- GENERAL NOTES:**
Dwg # 230114-E1004.dwg
- THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
 - EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
 - NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
 - LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
 - BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.

ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
 - EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.

- KEYED NOTES:**
Dwg # 230114-E1033A.DWG
- ① EXISTING LIGHTING PANEL L3D IS LOCATED IN THIS ROOM. EC SHALL IDENTIFY EXISTING CIRCUITS IN SCOPE OF WORK AND PROPERLY LABEL IN PANEL INDEX.



KEY PLAN
NO SCALE
Dwg # 230114-02001.DWG

SEE E2.14 FOR CONTINUATION

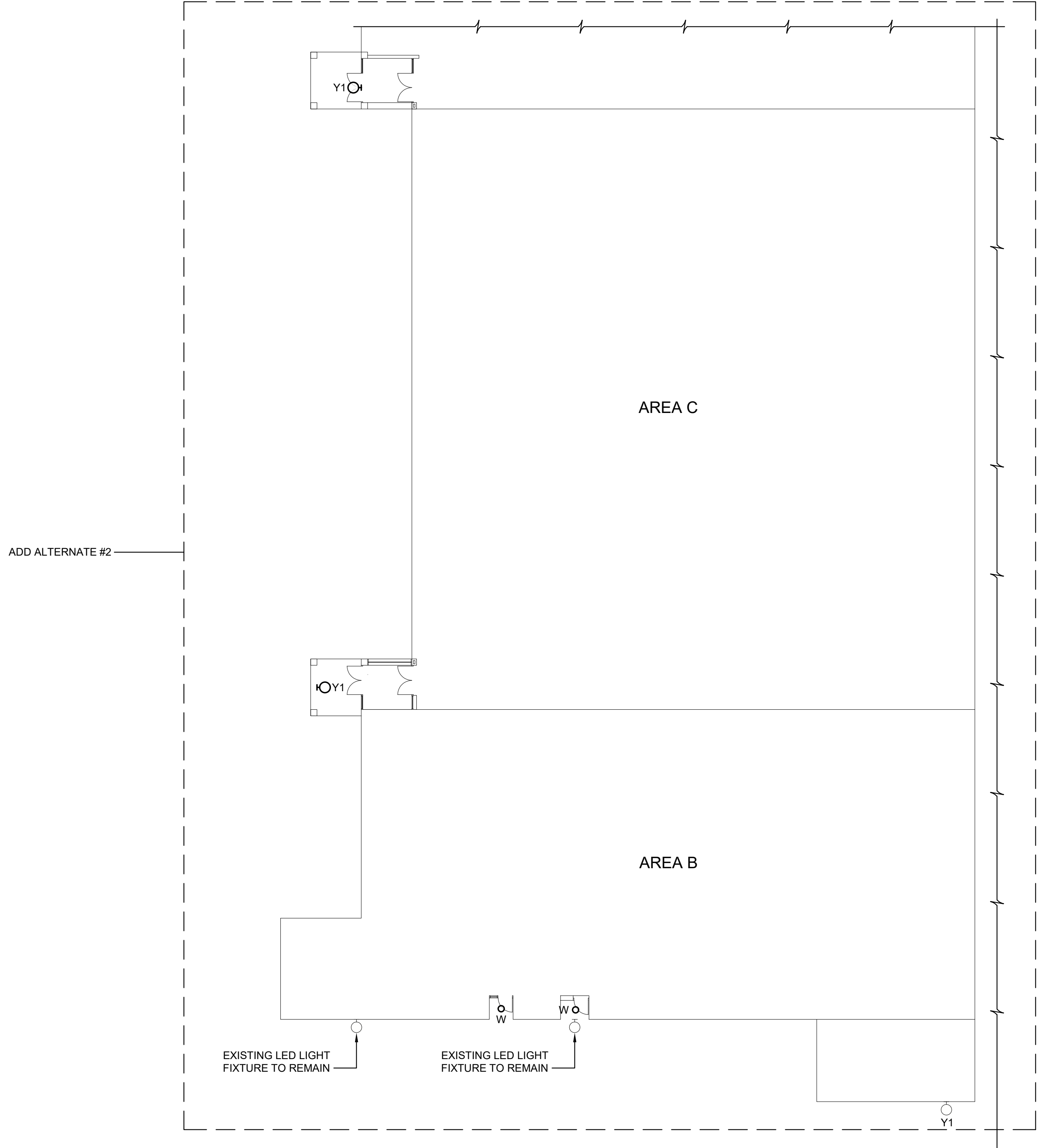
1
E2.15
PARTIAL THIRD FLOOR - AREA D LIGHTING PLAN
1/8" = 1'-0"
Dwg # 230114-E3203A.DWG

BID SET

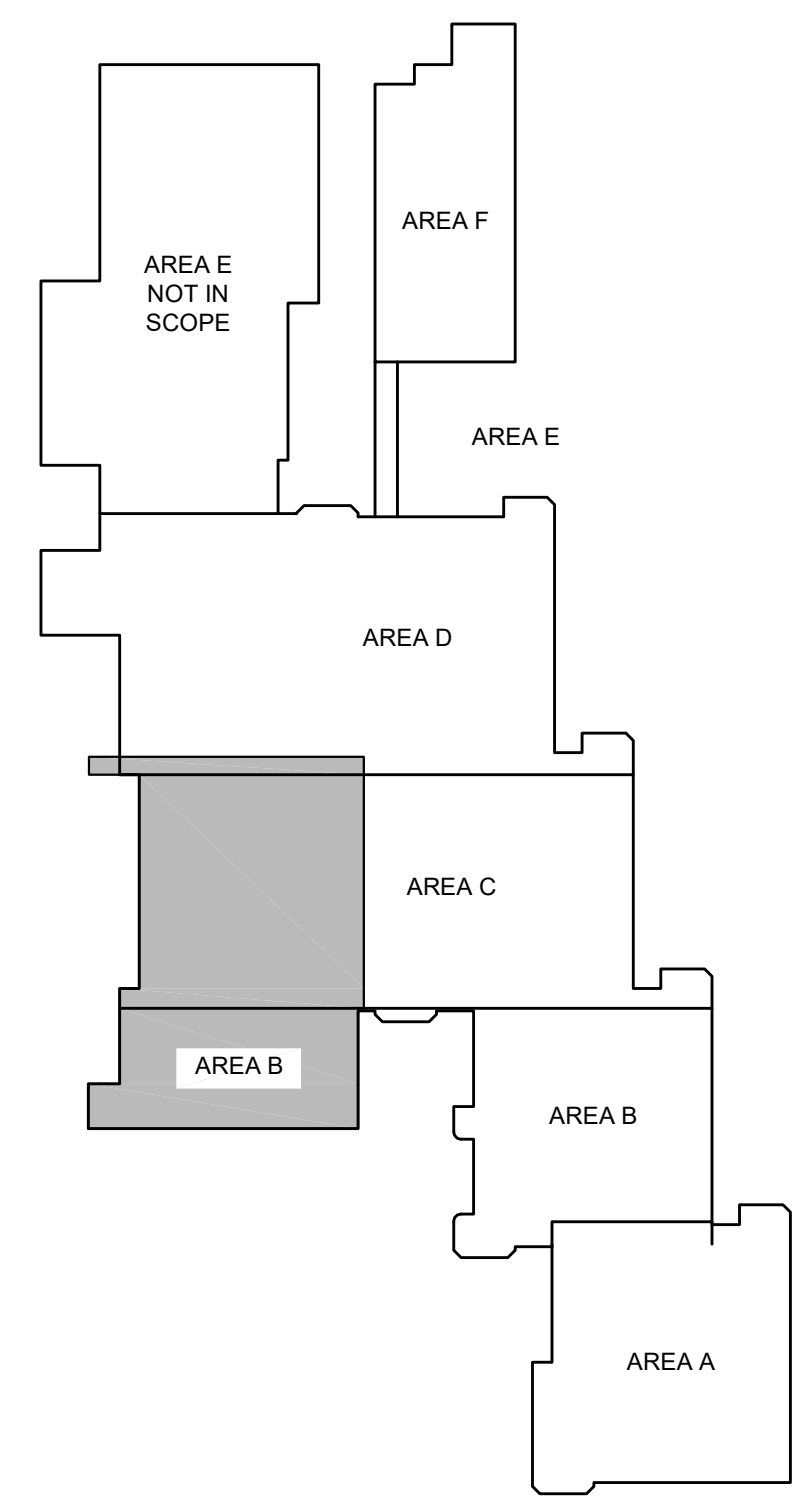


- GENERAL NOTES:**
1. THIS IS A ONE FOR ONE LIGHTING FIXTURE REPLACEMENT PROJECT. RECONNECT NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURE CIRCUIT, UNO.
 2. EXISTING LIGHTING CONTROLS TO REMAIN, UNO.
 3. NL INDICATES EXISTING NIGHT LIGHT, UNO. NEW FIXTURE SHALL REMAIN A NIGHT LIGHT.
 4. LETTER(S) IN CORNER OF ROOM INDICATE CEILING TYPE. SEE CEILING TYPE LEGEND ON E1.1
 5. BASE BID: EXISTING EXIT SIGNS AND EXIT EMERGENCY COMBINATION FIXTURES ARE TO REMAIN. PROTECT AND COVER.

ADD ALTERNATE #3: RECONNECT NEW EXIT SIGNS AND EMERGENCY COMBINATION FIXTURES TO EXISTING CIRCUIT.
 6. EC SHALL TEMPORARILY BREAK EXISTING CIRCUIT AS NECESSARY TO MAINTAIN POWER TO ADJACENT SPACES WHILE PERFORMING WORK IN AREA OF SCOPE.



1
E2.16 **ADDITIONAL EXTERIOR LIGHTING PLAN**
1/16" = 1'-0"
Dwg.# 230114-E2000.DWG



KEY PLAN
NO SCALE
Dwg.# 230114-G2022A.DWG

Mark	Date	Revision

LED Conversion - Phase 1 (SCO ID: 22-24921-01A)
FOR
NC STATE UNIVERSITY - CVM MAIN BUILDING
1060 WILLIAM MOORE DRIVE
RALEIGH, NC
ADDITIONAL EXTERIOR LIGHTING PLAN

Designed By: KMO
Drawn By: MRS
Checked By: RGL
Date: 05/31/2024

E2.16

BID SET