

CENTRAL CAROLINA TECHNICAL COLLEGE

BUILDING M500 LIGHTING UPGRADE

506 N. GUIGNARD DR., SUMTER, SC 29150

Issue Date/ Description: 02.14.2025 CONSTRUCTION DOCUMENTS

MPS Project No: 024198.02

Agency Review ID: H59-6343-PD

OWNER

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CHRIS MORSE

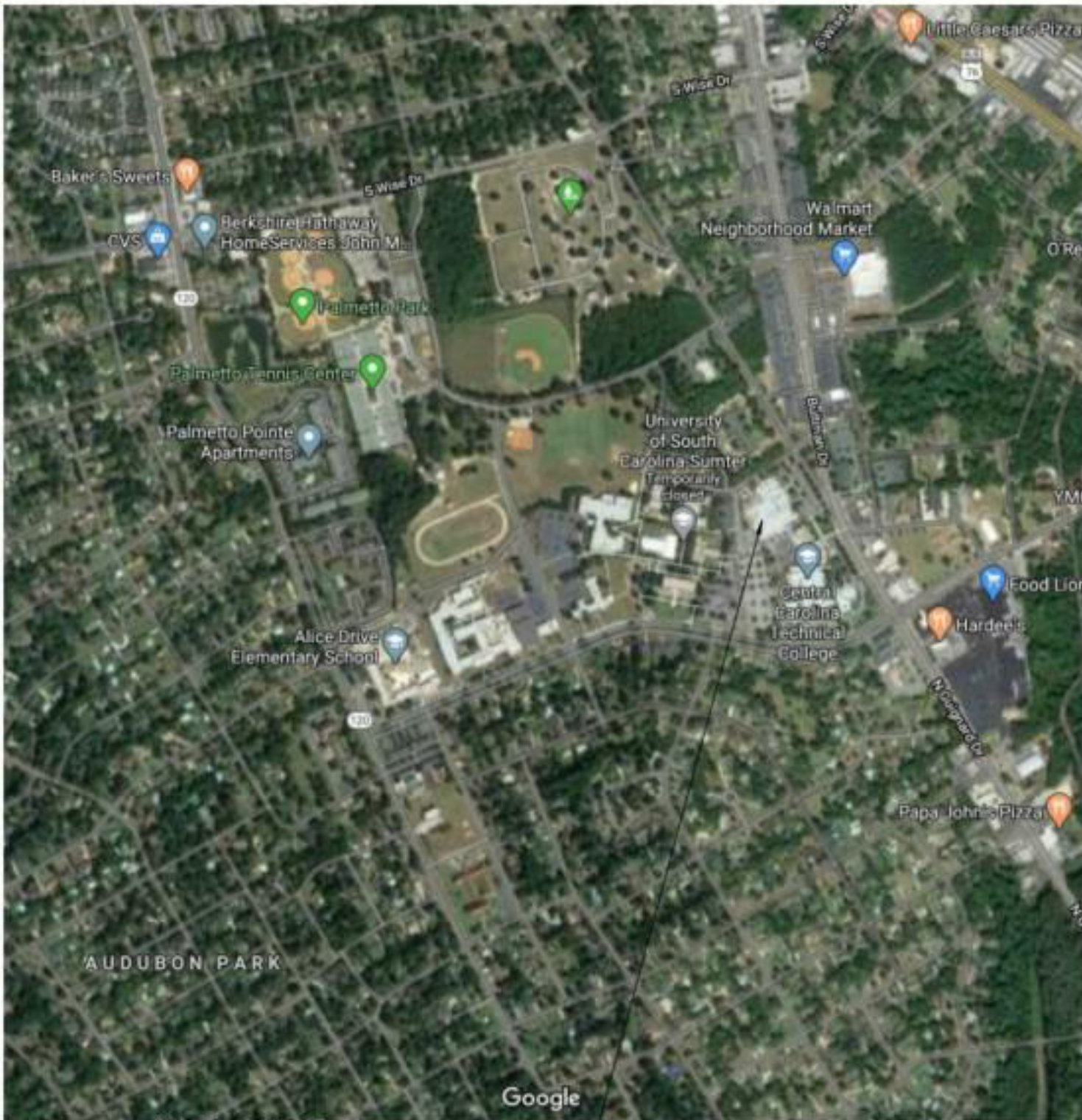
DRAWING LIST

SHEET NO	SHEET NAME
G001	COVER SHEET
E110	LEVEL 01 - OVERALL PLAN - LIGHTING
E110D	LEVEL 01 - OVERALL PLAN - DEMOLITION
E120	LEVEL 02 - OVERALL PLAN - LIGHTING
E120D	LEVEL 02 - OVERALL PLAN - DEMOLITION
E001	ELECTRICAL - SCHEDULES AND DETAILS

Limit conduct of work to after business hours and weekends.

TABLE 3E CODE INFORMATION FOR ADDITIONS, ALTERATIONS, OR CHANGE OF OCCUPANCY TO AN EXISTING STRUCTURE	
TYPE OF PROJECT: ☒ Alteration (IEBC Chaps. 7, 8 & 9) ☐ Addition (IEBC Chap. 11) ☐ Change of Occupancy (IEBC Chap. 10)	
METHOD OF COMPLIANCE: (Check only one Option and all items that apply under that Option.)	☐ Option 1: Prescriptive Compliance Method (IEBC Chapter 5)
	☐ Option 2: Work Area Compliance Method (IEBC Chaps. 6-12) ☒ Alteration Level 1, minor including reroofing (IEBC Chap. 7) ☐ Alteration Level 2, reconfigurations of space (IEBC Chap. 8) ☐ Alteration Level 3, work area exceeds 50% (IEBC Chap. 9) Aggregate area of building: _____ SF Work area: _____ SF
	☐ Option 3: Performance Compliance Method (IEBC Chap. 13)
CONSTRUCTION CLASSIFICATION (IBC 602) Type: IV	
Change of Occupancy:	☐ Yes ☒ No
Existing Occupancy Classification(s): BUSINESS	
New Occupancy Classification(s):	
Original Building Code and Edition Applicable at time of Construction: SBC 1982	
Provisions for Accessibility Required (IEBC 306)?	☐ Yes ☒ No
Existing Sprinkler System?	☐ Yes ☒ No
Existing Fire Alarm System?	☐ Manual ☒ Auto
Seismic Evaluation Required?	☐ Yes ☒ No
Major Facility Project? (See §48-52-810(10)(a))	☐ Yes ☒ No
Historic Building (IEBC Chapter 12):	☐ Yes ☒ No
☐ Preservation ☐ Rehabilitation ☐ Restoration ☐ Reconstruction	

AREA MAP



PROJECT SITE

506 N. GUIGNARD DR.
SUMTER SC 29150

SITE MAP



PROJECT SITE

BUILDING M500



PROJECT SITE

BUILDING M500

LIGHTING FIXTURE SCHEDULE									
TYPE	MANUFACTURER	PART NUMBER	FINISH	LAMP QUANTITY	LAMP TYPE	WATTAGE	VOLTAGE	REMARKS	
A	LITHONIA LITETRONICS DAYBRITE	CPX 2X2 AL07 SWW7 M4 EQUAL	WHITE	-	LED	30	UNV	2x2' BACKLIT FLATPANEL, SWITCHABLE LUMEN OUTPUT AND COLOR TEMPERATURE TROFFER WITH GRID TRIM. PROVIDE WITH 10 YEAR WARRANTY	
B	LITHONIA LITETRONICS DAYBRITE	CPX 2X4 AL08 SWW7 M2 EQUAL	WHITE	-	LED	38	UNV	2x4' BACKLIT FLATPANEL, SWITCHABLE LUMEN OUTPUT AND COLOR TEMPERATURE TROFFER WITH GRID TRIM. PROVIDE WITH 10 YEAR WARRANTY	
F1	AXIS FINELITE LITECONTROL	B9WLED-12-80-40-3-4-W-UNV-1-B-0 EQUAL	FINISH BY ARCHITECT	-	LED	21	UNV	LED 4000 LUMEN LINEAR WALLMOUNT, WITH DIFFUSE LENS	
M1	GOTHAM INTENSE PRESCOLITE H.E. WILLIAMS	EVO-AR-MD-LSS-GZ1 GDOR-D101-FL-SF LTR-RD-H-M1-WD-SS-WT DR-1L-DM1-Q-M-OF-CS	-	-	LED	20	UNV	6" ROUND LED OPEN DOWNLIGHT, 2000 LUMEN, CONTRACTOR TO CONFIRM EXISTING DOWNLIGHT APERTURE SIZE PRIOR TO PURCHASING OF FIXTURE PACKAGE	
MW	GOTHAM INTENSE PRESCOLITE H.E. WILLIAMS	EVO-AR-MD-LSS-GZ1 GDOR-D101-FL-SF LTR-RD-H-M1-WD-SS-WT DR-1L-DM1-Q-M-OF-CS	-	-	LED	20	UNV	6" ROUND LED OPEN DOWNLIGHT, 2000 LUMEN, CONTRACTOR TO CONFIRM EXISTING DOWNLIGHT APERTURE SIZE PRIOR TO PURCHASING FIXTURE PACKAGE	
N	GOTHAM ECLIPSE XENALL	AVX-4-WFC-DIM-UNV 574-SPL-LED-UNV-07A MLH48-4-RP-DV	WHITE PAINT AFTER FAB	-	LED	57	UNV	4" LED, 4500 LUMEN SURFACE MOUNT, VANDAL-RESISTANT WHITE POLYCARBONATE LENS FIXTURE	
Q	H.E. WILLIAMS COLUMBIA LITHONIA	755-4-UNV MPS-4-C-W-E-U ZLN1-L48-FST-MVOLT-WH	WHITE / PAINT AFTER FABRICATION	-	LED	55	UNV	4" LED 5000 LUMEN CHAIN HUNG STRIP, LENSED.	
R2	EXISTING	-	-	2	T8 LED	14	UNV	EXISTING 2 LAMP LINEAR FLUORESCENT PENDANT FIXTURE. REMOVE EXISTING BALLAST, BATTERY PACKS AND REWIRE TOMBSONES AS REQUIRED. RELAMP WITH LED BALLAST BYPASS REPLACEMENT LAMPS. SATCO PART # 14T8LED/48-840-DP-SE-DE, OR PRIOR APPROVED EQUIV.	
R4	EXISTING	-	-	4	T8 LED	14	UNV	EXISTING 4 LAMP LINEAR FLUORESCENT PENDANT FIXTURE. REMOVE EXISTING BALLAST, BATTERY PACKS AND REWIRE TOMBSONES AS REQUIRED. RELAMP WITH LED BALLAST BYPASS REPLACEMENT LAMPS. SATCO PART # 14T8LED/48-840-DP-SE-DE, OR PRIOR APPROVED EQUIV.	
W1	LSI HUBBELL LITHONIA PIL NLS	XWS-LED-12-MTPD-UNV LN2C-9L-070-3-4-0 ARCLED-P2-MVOLT-F-A0 SH-113-5-80-UNV-FA NW-W-T3	FINISH BY ARCHITECT	-	LED	21	UNV	LED 2000 LUMEN WALL MOUNT FULL CUTOFF WALL PACK, WITH DIFFUSE LENS, TYPE III DISTRIBUTION	
WM	GOTHAM INTENSE PRESCOLITE H.E. WILLIAMS	EVO-AR-MD-LSS-GZ1 GDOR-D101-FL-SF LTR-RD-H-M1-WD-SS-WT DR-1L-DM1-Q-M-OF-CS	-	-	LED	20	UNV	6" ROUND LED OPEN DOWNLIGHT, 2000 LUMEN, WET LOCATION LISTED, CONTRACTOR TO CONFIRM EXISTING FIXTURE APERTURE SIZE PRIOR TO PURCHASING FIXTURE PACKAGE	
EM	LITHONIA INFINITY SURE-LITES	ELM2L-LTP EXIT/CA-SF-R-EM-WF-WH CX-6-I-R-W	WHITE	-	UNV	-	UNV	DUAL HEAD EMERGENCY LIGHT, WALLMOUNT.	
EX1	LITHONIA LIGHTALARMS ABB	LES-W1R-120/27-ELN 1-XDND-W-RW WW-TXN-1-R	WHITE	BY MANF.	LED	-	UNV	SINGLE FACED LED, EVENLY ILLUMINATED EXIT LIGHT WITH EMERGENCY BATTERY BACKUP.	
EX2	LITHONIA LIGHTALARMS ABB	LES-W2R-120/27-ELN 2-XDND-W-RW WW-TXN-2-R	WHITE	BY MANF.	LED	-	UNV	DOUBLE FACED LED, EVENLY ILLUMINATED EXIT LIGHT WITH EMERGENCY BATTERY BACKUP.	

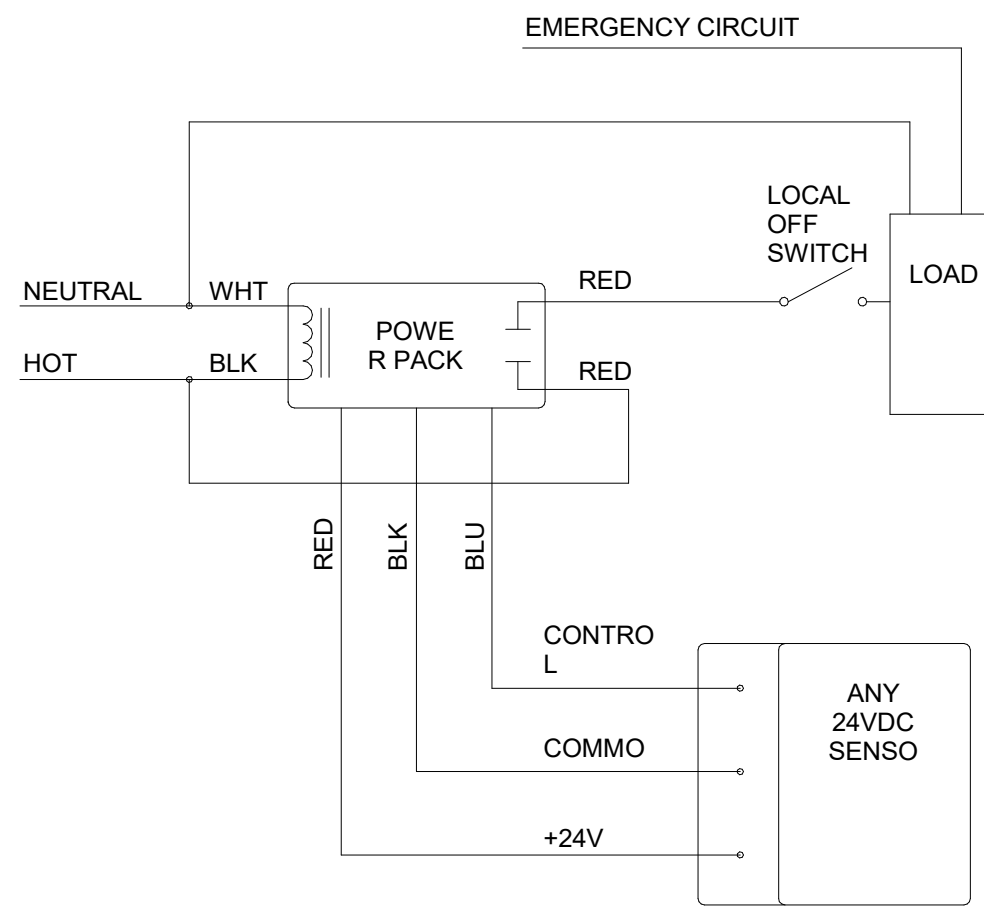
LIGHTING FIXTURE SCHEDULE

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING FIXTURE TRIMS THAT ARE COMPATIBLE WITH CEILING TYPES SHOWN ON THE REFLECTED CEILING PLANS, REGARDLESS OF THE FIXTURE TRIMS INDICATED IN THE FIXTURE SCHEDULE.
2. UNLESS NOTED OTHERWISE ON FIXTURE SCHEDULE, THE COLOR TEMPERATURE OF LIGHT SOURCES SHALL BE 4000K WITH MINIMUM CRI OF 80.
3. PROVIDE THE FOLLOWING SPARES:

- (5) EX1
(5) EX2
(10) A
(5) B
(5) M1
(5) Q

LIGHTING FIXTURE SCHEDULE

E001	NTS
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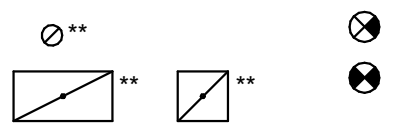


TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM

2
E001

EMERGENCY LIGHTING NOTES

1. LIGHTING FIXTURES DESIGNATED AS EMERGENCY ARE IDENTIFIED BY THE FOLLOWING SYMBOLS AND SUFFIXES:



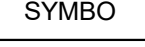
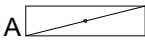
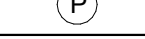
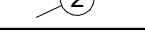
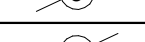
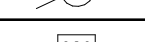
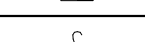
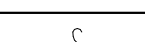
** = FIXTURE TYPE DESIGNATION

2. EMERGENCY FIXTURES SHALL BE FURNISHED WITH A SELF TEST BATTERY BACKUP BY IOTA OR APPROVED EQUAL, WITH A REMOTE MANUAL TEST BUTTON INSTALLED ADJACENT TO FIXTURE. FOR EXTERIOR FIXTURES TEST SWITCH SHALL BE LOCATED INSIDE NEAREST DOORWAY. PROVIDE AN UNSWITCHED FROM ROOM LIGHTING CIRCUIT TO ALL FIXTURES WITH A BATTERY BACKUP. BATTERY BACKUPS SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

3. NIGHT LIGHTING FIXTURES ARE IDENTIFIED BY THE FOLLOWING SYMBOLS:



4. NIGHT LIGHTING FIXTURES SHALL BE CONNECTED TO UNSWITCHED CONDUCTOR TO PROVIDE CONSTANT OPERATION.

LIGHTING SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
	LIGHTING FIXTURE
	EMERGENCY LIGHT. SEE EMERGENCY LIGHTING NOTES
	LIGHTING FIXTURE - WALL OR BRACKET
	EXIT SIGN, CEILING MOUNTED, ARROWS AS INDICATED ON PLANS
	EXIT SIGN, WALL MOUNTED, ARROWS AS INDICATED ON PLANS
	POWER PACK, WATTSTOPPER PART # BZ-150
	CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER PART # DT-355
	CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER PART # DT-300
	CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER PART # DT-200
	CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER PART # WT-2200
	CEILING MOUNTED OCCUPANCY SENSOR, WATTSTOPPER PART # WT-2250
	WALL SWITCH OCCUPANCY SENSOR, WATTSTOPPER PART # DW-100
	SWITCH STATION
	STANDARD TOGGLE SWITCH
	THREE WAY TOGGLE SWITCH

GENERAL LIGHTING INSTALLATION NOTES:

1. OCCUPANCY SENSOR SHALL BE ADJUSTED AS REQUIRED FOR ROOM COVERAGE, SET TO TIME OUT AFTER 30 MINUTES AND SET TO MAXIMUM SENSITIVITY.
2. COORDINATE OCCUPANCY SENSOR LOCATIONS WITH CASEWORK AND SHELVING AND EXISTING CEILING DEVICES. OCCUPANCY SENSORS SHALL NOT BE INSTALLED OVER OBJECTS THAT INTERFERE WITH THEIR OPERATION AND RANGE. SHIFT LOCATIONS AS REQUIRED FOR PROPER OPERATION AND TO ACCESS TO THE DEVICE.
3. PROVIDE MINIMUM #12 AWG CONDUCTORS FOR LIGHTING BRANCH CIRCUIT OR LARGER WHERE INDICATED.
4. ALL LOW VOLTAGE WIRING SHALL BE INSTALLED IN 3/4" CONDUIT. ALL POWER PACKS SHALL BE INSTALLED IN JUNCTION BOXES. INSTALLATION SHALL COMPLY WITH MANUFACTURER'S REQUIREMENTS.
5. THE CONTRACTOR SHALL PROVIDE AN UNSWITCHED CONDUCTOR TO ALL EMERGENCY FIXTURES AS REQUIRED FOR EMERGENCY OPERATION. SEE EMERGENCY LIGHTING NOTES.
6. ADJUST FIXTURE LOCATIONS AS REQUIRED FOR MECHANICAL EQUIPMENT, CHASES, OR OTHER EQUIPMENT AS REQUIRED FOR INSTALLATION.
7. COORDINATE WITH OWNER TO PROVIDE 2X2 TILES. QUANTITY AS REQUIRED. TO REPLACE BROKEN OR MISSING TILES AS A RESULT OF CONSTRUCTION OR REMOVAL OF EXISTING FIXTURE.

ALL DRAWINGS, SPECIFICATIONS AND NOTES HEREBY FURNISHED BY MC MILLAN PAZDAN SMITH ARCHITECTURE ARE THE PROPERTY OF MC MILLAN PAZDAN SMITH ARCHITECTURE. THESE DRAWINGS ARE TO BE USED ONLY IN CONNECTION WITH THE PROJECT AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF MC MILLAN PAZDAN SMITH ARCHITECTURE, NO PART OF THESE DRAWINGS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF MC MILLAN PAZDAN SMITH ARCHITECTURE, NO PART OF THESE DRAWINGS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF MC MILLAN PAZDAN SMITH ARCHITECTURE, NO PART OF THESE DRAWINGS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

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A

C

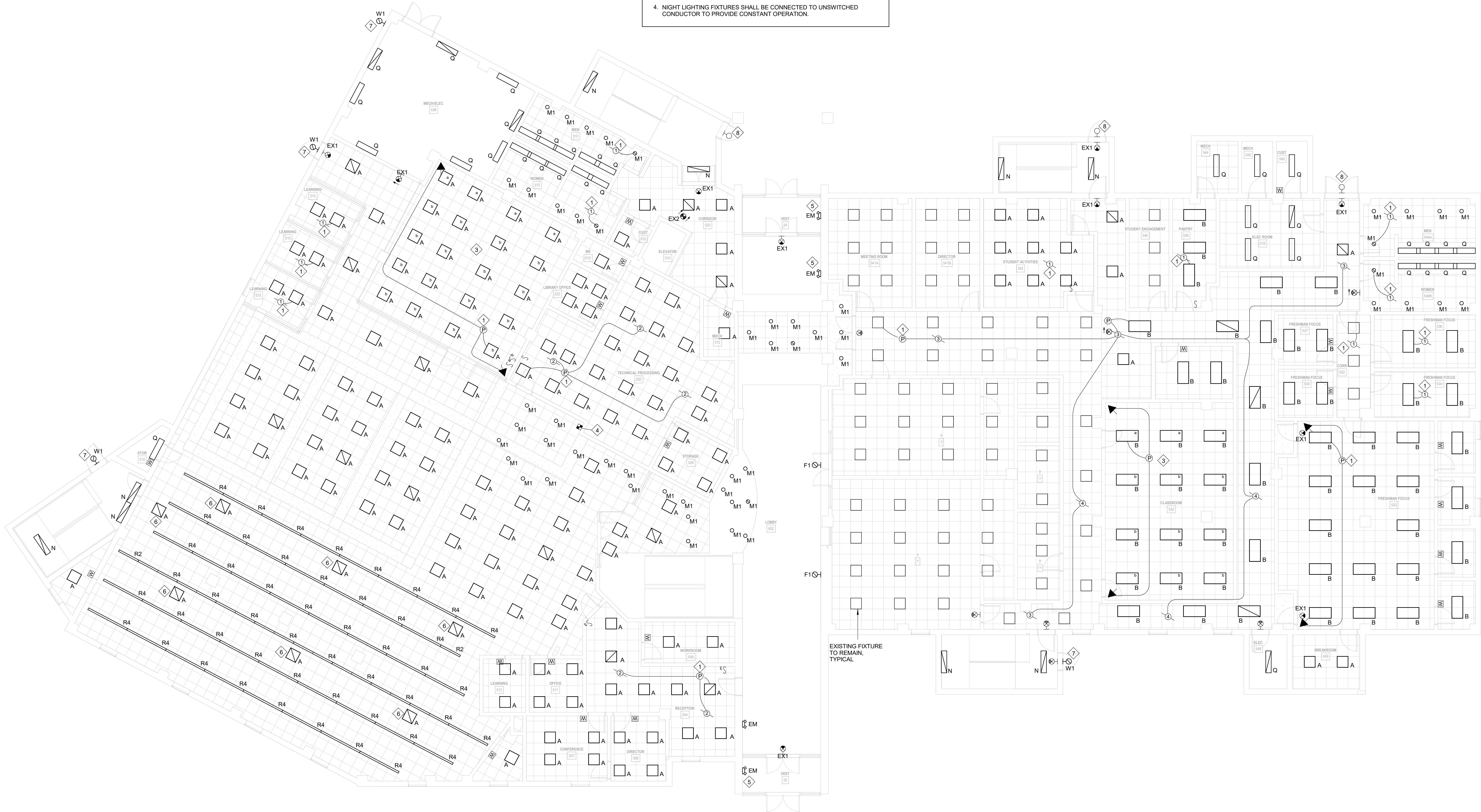
B

D

1

E110
1/8" = 1'-0"

LEVEL 01 - OVERALL PLAN - LIGHTING



EMERGENCY LIGHTING NOTES

1. LIGHTING FIXTURES DESIGNATED AS EMERGENCY ARE IDENTIFIED BY THE FOLLOWING SYMBOLS AND SUFFIXES:

Q**

**

**

** = FIXTURE TYPE DESIGNATION

2. EMERGENCY FIXTURES SHALL BE FURNISHED WITH A SELF TEST BATTERY BACKUP BY IOTA OR APPROVED EQUAL, WITH A REMOTE MANUAL TEST BUTTON INSTALLED ADJACENT TO FIXTURE. FOR EXTERIOR FIXTURES TEST SWITCH SHALL BE LOCATED INSIDE NEAREST DOORWAY. PROVIDE AN UNSWITCHED FROM ROOM LIGHTING CIRCUIT TO ALL FIXTURES WITH A BATTERY BACKUP. BATTERY BACKUPS SHALL BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

3. NIGHT LIGHTING FIXTURES ARE IDENTIFIED BY THE FOLLOWING SYMBOLS:

ONL

NL

NL

4. NIGHT LIGHTING FIXTURES SHALL BE CONNECTED TO UNSWITCHED CONDUCTOR TO PROVIDE CONSTANT OPERATION.

GENERAL NOTES:

1. COORDINATE INSTALLATION OF LIGHTING FIXTURES IN MECHANICAL ROOMS WITH DUCTWORK, PIPING AND EQUIPMENT INSTALLATIONS.

2. SEE EMERGENCY LIGHTING NOTES.

3. TYPICAL SPACES ARE FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE CIRCUITING AND SHALL LOCATE OCCUPANCY SENSORS AND SWITCH STATIONS AS REQUIRED FOR SPACE. CORRECT AREA COVERAGE SHALL BE PROVIDED AS REQUIRED WHERE OCCUPANCY SENSORS ARE INDICATED.

4. SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF WALL AND PENDANT MOUNTED LIGHTING FIXTURES.

5. PROVIDE GROUNDED CIRCUIT CONDUCTOR AT ALL SWITCH BOX LOCATIONS.

6. ALL CIRCUITING (CONTROL AND LINE VOLTAGE) SHALL BE IN STALLED IN 3/4" CONDUIT.

7. REUSE EXISTING SWITCH ROUGHINS WHERE AVAILABLE.

8. REMOVE AND REPLACE EXISTING SWITCHES IN AREAS WHERE NEW SWITCHES ARE SHOWN

9. CONNECT NEW EXIT SIGNS TO NEAREST AVAILABLE UNSWITCHED LIGHTING CIRCUIT CONDUCTOR.

KEYNOTES:

1. CAPTURE ROOM LIGHTING CIRCUIT AHEAD OF SWITCH LEG. INSTALL OCCUPANCY SENSOR/POWER PACK IN/ABOVE CEILING AS REQUIRED. FIELD LOCATE SENSOR TO ACCOUNT FOR EXISTING CEILING MOUNTED DEVICES.

2. EXISTING SWITCH LEG CONTROL TO REMAIN.

3. REWORK EXISTING ROOM LIGHTING CIRCUITING AS NECESSARY TO REFLECT NEW SWITCHING PATTERN.

4. EXISTING SWITCH STATION TO REMAIN, PRESERVE EXISTING FIXTURE SWITCHING IN AREA.

5. CONNECT TO NEAREST AVAILABLE UNSWITCHED LIGHTING CIRCUIT CONDUCTOR.

6. FIXTURES SHALL REMAIN NORMALLY OFF AND ILLUMINATE UPON LOSS OF NORMAL POWER. EXTEND AREA UNSWITCHED CONDUCTOR TO FIXTURE, AND CAP SWITCHED CONDUCTOR LEAD ON BATTERY PACK.

7. EXTEND TO EXISTING AREA EXTERIOR LIGHTING CIRCUIT

8. PROVIDE IOTA ENGINEERING 10W EMERGENCY BATTERY BACKUP. INSTALL REMOTE IN NEAREST ACCESSIBLE CONCEALED INTERIOR SPACE OR ABOVE NEAREST ACCESSIBLE CEILING. COORDINATE LOCATIONS WITH OWNER.

CONSULTANT LOGO

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SEALS

CENTRAL CAROLINA TECHNICAL COLLEGE

BUILDING M500 LIGHTING UPGRADE

506 N. GUIGNARD DR., SUMTER, SC 29150

ISSUE DATE:	2/14/2025	
PHASE:	100% CONSTRUCTION DOCUMENTS	
SHEET ISSUE:		
NO.	DATE	DESCRIPTION

PRINCIPAL IN CHARGE:
PROJECT ARCHITECT:
DRAWN BY:

BCM
CMM
CMM

SHEET TITLE:
LEVEL 01 - OVERALL
PLAN - LIGHTING

SHEET NO.

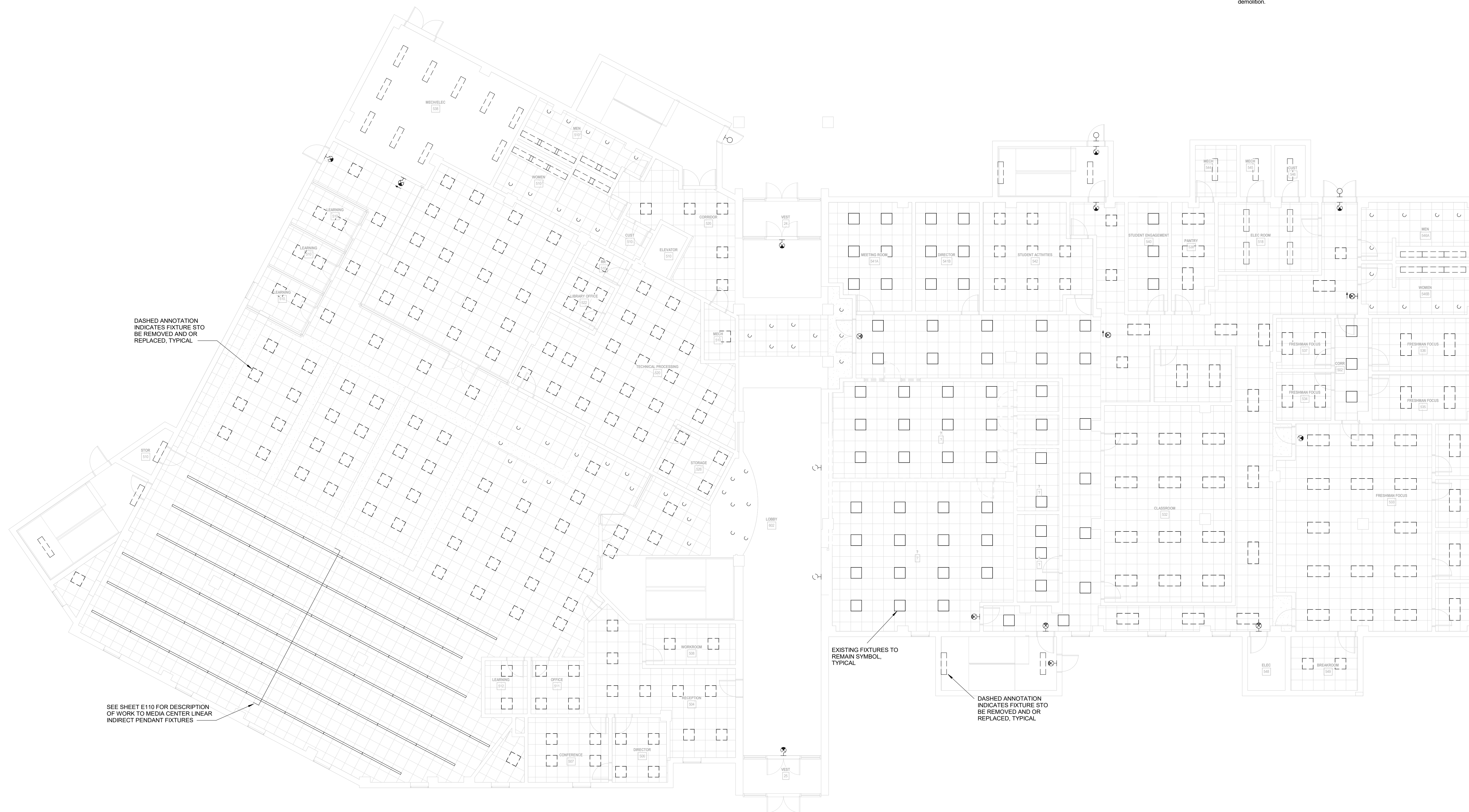
PROJ. NO.
024196.02

E110

506 N. GUIGNARD DR., SUMTER, SC 29150

PROJ. NO.
024198.0

1. Demolition notes are based on casual field observations and existing record documents. Report discrepancies to architect/engineer before disturbing existing installation.
2. Verify field measurements and circuiting arrangements prior to commencement of work.
3. Coordinate outages of all building electrical systems with owner.
4. Provide temporary wiring and connections to maintain all existing building electrical systems affected by demolition and renovation work.
5. Remove all abandoned wiring and equipment and repair finishes to match adjacent finishes.
6. Reconnect all remaining existing building electrical systems interrupted by demolition.



DASHED ANNOTATION
INDICATES FIXTURE SHOULD
BE REMOVED AND OR
REPLACED, TYPICAL

LEVEL 01 - OVERALL PLAN - LIGHTING - DEMOLITION

PROJECT
NORTH

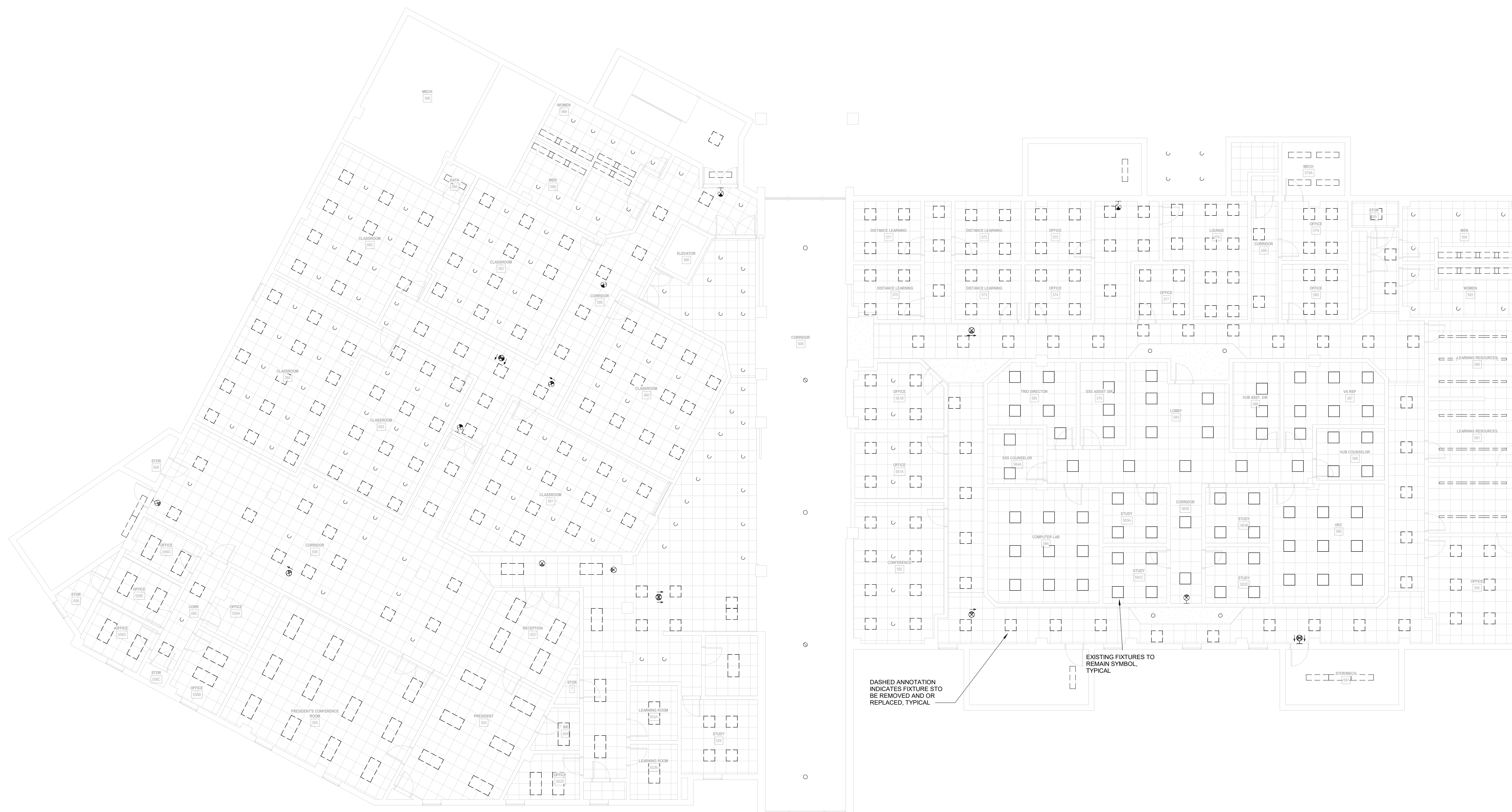


506 N. GUIGNARD DR., SUMTER, SC 29150

PROJ. NC
024198.02

506 N. GUIGNARD DR., SUMTER, SC 29150

E120D



DASHED ANNOTATION
INDICATES FIXTURE SHOULD
BE REMOVED AND OR
REPLACED, TYPICAL —

EXISTING FIXTURES TO
REMAIN SYMBOL,
TYPICAL

LEVEL 02 - OVERALL PLAN - LIGHTING - DEMOLITION

1/8" = 1'-0"