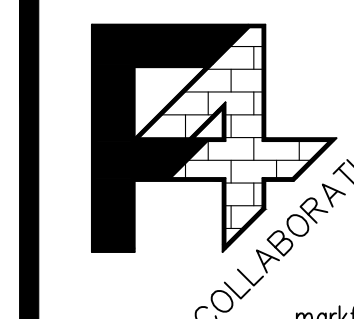


1
E-4 4TH FLOOR PLAN - LIGHTING RCP
SCALE: 1/8" = 1'-0"

0 4 8 10 20
SCALE: 1/8" = 1'-0"

THIS DRAWING, ATTACHED SPECIFICATIONS AND CONSTRUCTION FEATURES ARE PROPRIETARY TO F4 COLLABORATIONS, AND SHALL NOT BE ALTERED, REPRODUCED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF F4 COLLABORATIONS.



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interior planning
+ design

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PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 27071, EXPIRATION DATE: 2-6-28.

UMMS PEDIATRICS
1104 KENILWORTH DRIVE
SUITE 400
TOWSON, MARYLAND 21204
LIGHTING RCP

REVISIONS:

#	DATE	DESCRIPTION
2	2-27-26	PERMIT

DATE: FEBRUARY 27, 2026

SCALE: AS NOTED

ENGINEER: M. FOERTSCH

DESIGN BY: -

CHECKED BY: -

PROJECT # 25-KD10

E-4



interior planning
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GENERAL NOTES

- ALL WORK IN OCCUPIED SPACES, INCLUDING CORRIDORS, SHALL BE PERFORMED OFF-HOURS, AND SPACES SHALL BE RETURNED TO THEIR ORIGINAL CONDITIONAL AT THE COMPLETION OF WORK IN THOSE AREAS. CONTRACTOR SHALL COORDINATE ALL WORK IN OCCUPIED SPACES WITH BUILDING MANAGER AT LEAST TWO (2) WEEKS IN ADVANCE. PROVIDE LANDLORD APPROVED SECURITY PERSONNEL DURING ALL OFF-HOURS WORK.
- AT OWNER'S DISCRETION, RETURN ALL UNUSED ELECTRICAL EQUIPMENT, SUCH AS: LIGHTING FIXTURES, DISCONNECTS, CIRCUIT BREAKERS, RECEPTACLES, SWITCHES, ETC..., UPON REMOVAL.
- THE FIRE ALARM SYSTEM SHALL REMAIN ACTIVE AT ALL TIMES. ALL NEW FIRE ALARM WORK SHALL BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM. CONTACT THE BUILDING MANAGER AT LEAST 48 HOURS PRIOR TO CONNECTION TO EXISTING SYSTEM. ALL FIRE ALARM WORK SHALL BE PERFORMED BY LANDLORD APPROVED CONTRACTOR.
- DEMOLITION OF EQUIPMENT AND DEVICES SHALL INCLUDE ALL ASSOCIATED CONDUIT, WIRING AND SUPPORTS BACK TO THE PANEL, SOURCE OR POINT OF ORIGIN. THIS ALSO INCLUDES ALL ABANDONED POWER AND TELECOM WIRING LOCATED ABOVE THE CEILING.
- RESUPPORT ALL EXISTING WIRING AND LIGHTING TO REMAIN FROM THE STRUCTURE, INCLUDING WIRING LOCATED IN, BUT NOT SERVING THE RENOVATED AREA.
- MAINTAIN POWER AND LIGHTING CIRCUITS SERVING AREAS OUTSIDE THE RENOVATED AREA.
- THOROUGHLY CLEAN AND RE-LAMP ALL LIGHTING FIXTURES IN THE RENOVATED AREA.
- ALL EXISTING RECEPTACLES AND COVER PLATES INDICATED TO REMAIN SHALL BE REPLACED, AS REQUIRED, TO MATCH BUILDING STANDARD.
- VERIFY EXISTING BRANCH CIRCUITS SERVING THE RENOVATED AREA PRIOR TO DEMOLITION. CIRCUITS WHO'S HOMERUN ORIGINATES FROM WITHIN THE SPACE SHALL BE UTILIZED PRIOR TO ADDING NEW CIRCUITS. CIRCUIT NUMBERS INDICATED ARE FOR CLARIFICATION OF CIRCUIT ONLY. PROVIDE AND INSTALL ALL BRANCH WIRING BASED ON THE CIRCUIT NUMBERS SHOWN TO COMPLETE THE WIRING SYSTEM.
- ALL POWER WIRING SHALL BE #12 AWG COPPER MINIMUM, TYPE THWN/THHN INSULATION, AND INSTALLED IN CONDUIT OR MC CABLE WHERE PERMITTED BY CODE AND THE SPECIFICATION. ALL WIRING SHALL BE PLENUM RATED AND CONCEALED WITHIN WALLS AND ABOVE CEILINGS. CUT AND PATCH EXISTING WALLS AND FINISHES AS REQUIRED.
- REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATIONS OF EQUIPMENT, LIGHTING FIXTURES, RECEPTACLES, ETC... COORDINATE MECHANICAL EQUIPMENT LOCATIONS AND POWER REQUIREMENTS WITH THE MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- THE CEILING SPACE IN SOME AREAS MAY BE VERY LIMITED. CONTRACTORS SHALL COORDINATE WORK OF ALL TRADES, INCLUDING LIGHTING, AIR DEVICES, PIPING AND DUCTWORK PRIOR TO PURCHASE AND INSTALLATION OF ANY MATERIALS. ANY DISCREPANCIES WITH THE PROPOSED LAYOUT SHALL BE REPORTED TO THE ENGINEER AND ARCHITECT IMMEDIATELY UPON DISCOVERY.
- PATCH AND SEAL ALL REMAINING OPENINGS THROUGH FLOORS AND WALLS RESULTING FROM DEMOLITION OR NEW WORK WITH MATERIALS AND FINISHES TO MATCH EXISTING CONSTRUCTION AND FIRE RATING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE ENTIRE TENANT SPACE IS COMPLETELY FIRE SEALED.
- PROVIDE APPROVED FIRE STOPPING MATERIAL AROUND ALL PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DEVICES AND CONDITIONS PRIOR TO STARTING WORK.
- ALL EQUIPMENT, DEVICES AND WIRING SHALL COMPLY WITH NATIONAL ELECTRIC CODE (NEC) ARTICLE 517. WIRING SHALL BE HEALTH CARE FACILITY (HCF) RATED CABLE.
- PROVIDE TAMPER-RESISTANT RECEPTACLES IN CHILD ACCESSIBLE AREAS PER NFPA.
- ALL LIGHTING FIXTURES SHALL BE SUITABLE FOR A FIRE RATED CEILING ASSEMBLY. "TENT" ALL LIGHTING FIXTURES TO MAINTAIN RATING OF CEILING.

FIRE ALARM GENERAL NOTES

CONTRACTOR SHALL MAKE MODIFICATIONS TO THE EXISTING FIRE ALARM SYSTEM AS REQUIRED TO PROVIDE COVERAGE FOR THE NEW ARCHITECTURAL ARRANGEMENT IN ACCORDANCE WITH THE LATEST EDITION OF NFPA AND LOCAL AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO BEGINNING WORK.

TIE SECURITY ACCESS DOOR CONTROL FOR EGRESS DOORS INTO BUILDING FIRE ALARM SYSTEM AS REQUIRED BY THE FIRE MARSHAL.

DRAWINGS ARE PROVIDED FOR GENERAL LAYOUT. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FINAL STAMPED ENGINEERED FIRE ALARM DRAWINGS, OBTAINING PERMITS, SYSTEM INSPECTION AND APPROVAL, AND FINAL TESTING.

LEGEND & ABBREVIATIONS

- EXISTING
- NEW
- - - REMOVE / DEMO
- R O 2x4 LIGHTING FIXTURE, E=EXISTING, R=RELOCATE
- O 2x2 LIGHTING FIXTURE
- NIGHT LIGHT FIXTURE (ALWAYS ON)
- ⊙ ROUND LIGHTING FIXTURE
- ⊙ EXIT LIGHT
- ⊙ EMERGENCY LIGHT
- ⊙ EXIT/EMERGENCY LIGHT COMBO
- ⊙ EXHAUST FAN, CEILING MOUNTED
- S SWITCH
- S₀ DIMMING SWITCH
- S₃ 3-WAY SWITCH
- S_{OS} OCCUPANCY SENSOR SWITCH
- S_{00S} DIMMING OCCUPANCY SENSOR SWITCH
- OS OCCUPANCY SENSOR (CEILING MOUNTED)
- DL DAYLIGHT SENSOR (CEILING MOUNTED)
- OS/DL COMBINATION OCCUPANCY & DAYLIGHT SENSOR (CEILING MOUNTED)
- ⊙ JUNCTION BOX
- DISCONNECT
- ⊙ DUPLEX RECEPTACLE, 20 AMP
- GF = GROUND FAULT CURRENT INTERRUPTING
- EX = EXISTING, # = MOUNTING HEIGHT
- ⊙ DOUBLE DUPLEX RECEPTACLE, 20 AMP
- ⊙ DUPLEX RECEPTACLE, 20 AMP DEDICATED CIRCUIT
- ⊙ DUPLEX RECEPTACLE, 20 AMP WITH USB JACK
- ⊙ SPECIAL RECEPTACLE, REFER TO DRAWINGS FOR SPECIFIC REQUIREMENTS.
- ▽ TELEPHONE/DATA, PROVIDE 1900 BOX, MIN. 2-1/8" DEEP, WITH SINGLE GANG TRIM RING. PROVIDE 1" CONDUIT WITH PULL STRING STUBBED ABOVE CEILING.
- ▽ TELEPHONE, PROVIDE SAME AS ABOVE.
- W = WALL PHONE, MOUNT 48" AFF.
- ⊙ AUDIO SPEAKER
- ⊙ SECURITY ALARM DEVICE
- ⊙ SMOKE DETECTOR
- ⊙ FIRE ALARM HORN / STROBE
- ⊙ FIRE ALARM STROBE
- ⊙ FIRE ALARM PULL STATION
- ⊙ CARD READER
- ⊙ INTERCOM
- ⊙ DOOR BELL
- ⊙ ELECTRIC STRIKE
- ⊙ ELECTRIC LOCK
- ⊙ MAG-LOCK
- ⊙ DOOR RELEASE BUTTON
- ⊙ MOTION ACTIVATED DOOR RELEASE (CEILING MOUNTED)
- ⊙ "PUSH-TO-EXIT" BUTTON
- ⊙ HOMERUN BACK TO PANEL, 2#12, 1#12 GRD
- ⊙ CONNECT TO EXISTING
- ⊙ REMOVE EXISTING TO THIS POINT
- CU COPPER
- EMER EMERGENCY
- EMT ELECTRICAL METAL TUBING
- EX EXISTING
- RX REMOVE EXISTING
- FA FIRE ALARM
- FLA FULL LOAD AMPS
- GRD GROUND
- KVA KILOVOLT-AMPERE
- SW SWITCH
- XFMR TRANSFORMER

IECC LIGHTING CALCULATION

SPACE TYPE	LIGHTING (WATTS)	AREA (SQFT)	CALC. LPD (WATTS/SQFT)	ALLOWED LPD (WATTS/SQFT)
OFFICE	4,330	7,734	0.56	0.81
EXAM ROOMS	1,860	2,816	0.66	1.68

LIGHTING FIXTURE SCHEDULE

DESIG.	DESCRIPTION	VOLTS	LAMPS	MANUFACTURER / MODEL
A	2x4 LED, DIRECT/INDIRECT LAY-IN FIXTURE WITH DIMMING DRIVER	277	LED	RELOCATED MATCH EX BUILDING STANDARD
A1	2x2 LED, DIRECT/INDIRECT LAY-IN FIXTURE WITH DIMMING DRIVER	277	LED	RELOCATED MATCH EX BUILDING STANDARD
B	2x4 LED, FLAT PANEL LAY-IN FIXTURE WITH DIMMING DRIVER & SELECTABLE LUMENS & CCT	277	LED	COORDINATE FIXTURE SELECTION WITH ARCHITECTURAL DRAWINGS
B1	2x2 LED, FLAT PANEL LAY-IN FIXTURE WITH DIMMING DRIVER & SELECTABLE LUMENS & CCT	277	LED	COORDINATE FIXTURE SELECTION WITH ARCHITECTURAL DRAWINGS
C	6" DIA. LED, RECESSED WITH DIMMING DRIVER	277	LED	COORDINATE FIXTURE SELECTION WITH ARCHITECTURAL DRAWINGS
D	4' LED UTILITY FIXTURE	277	LED	LITHONIA
F	PENDANT MOUNTED LED FIXTURE WITH DIMMING DRIVER	120	LED	COORDINATE FIXTURE SELECTION WITH ARCHITECTURAL DRAWINGS
M	EMERGENCY LIGHT WITH BATTERY & CHARGER WALL/CEILING MOUNTED	277	LED	LITHONIA ELM4L LED
X	EXIT LIGHT WITH BATTERY & CHARGER, CEILING MOUNTED PROVIDE DIRECTIONAL ARROWS AND FACES AS REQUIRED	277	"GREEN" LED	SIGNIFY CHLORIDE #45VL

- NOTES:
- ALL LIGHTING FIXTURES SHALL BE SUITABLE FOR A FIRE RATED CEILING ASSEMBLY. "TENT" ALL LIGHTING FIXTURES TO MAINTAIN RATING OF CEILING.
 - EXIT SIGNS SHALL BE LOCATED IN ALIGNMENT WITH ADJACENT LIGHTING FIXTURES.
 - REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

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1104 KENILWORTH DRIVE
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TOWSON, MARYLAND 21204
ELECTRICAL SCHEDULES

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