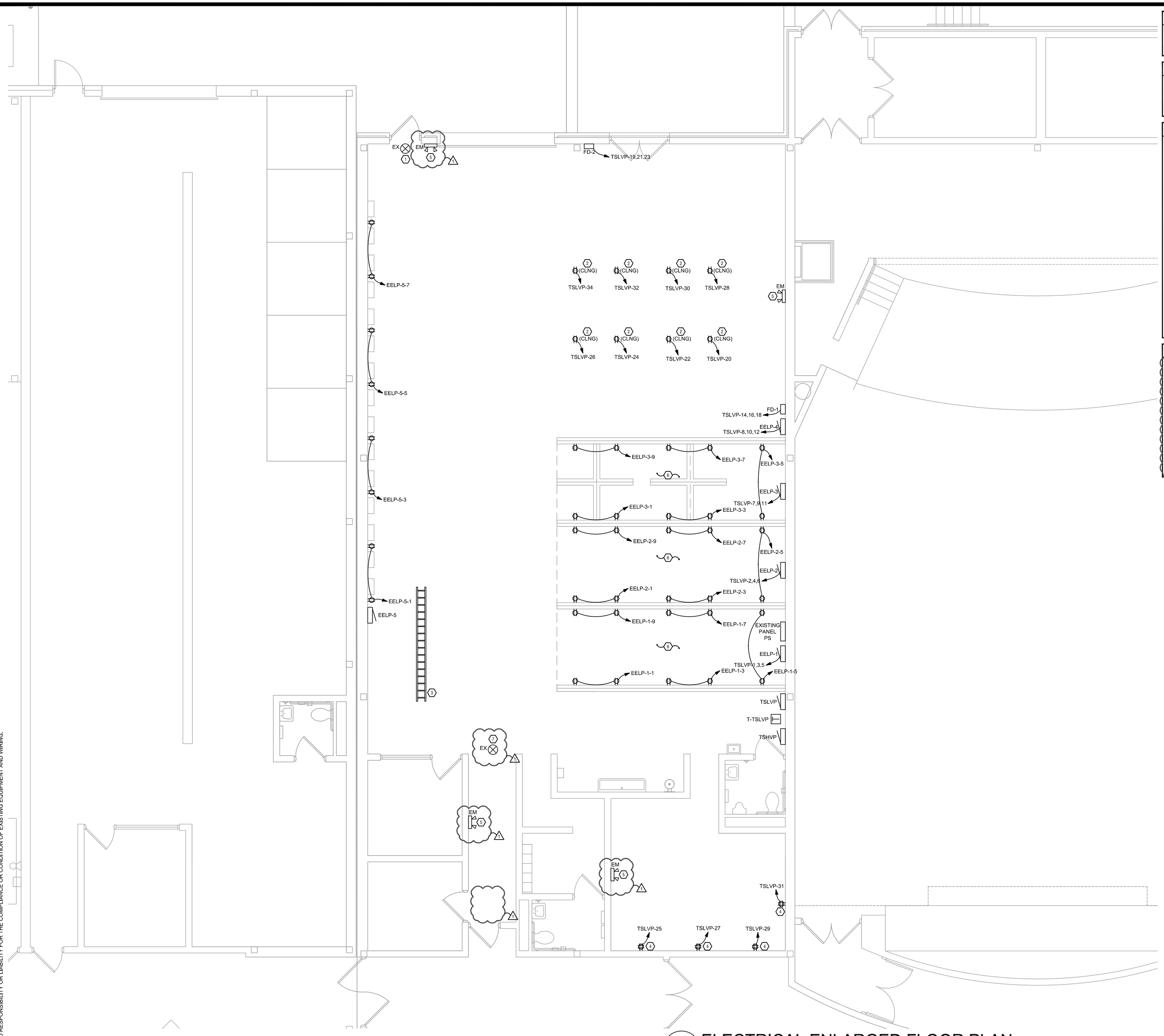
C:\Users\mike.mullins\DOCUMENTS\ACCDocs\RTM Engineering Consultants, LLC\Butler Tech, OH, Elec Lab 2026\Project Files\REVIT\10 DRAWINGS\01 AUTOCAD\ARCH-ARCdwg-Model, Rod Date/Time: Mar 27, 2026-9:43pm -- By: mike.mullins
THESE DRAWINGS AND SPECIFICATIONS ARE NOT AUTHORIZED TO BE USED AS CONTRACT DOCUMENTS. THESE DRAWINGS HAVE BEEN PREPARED TO DEMONSTRATE COMPLIANCE WITH APPLICABLE CODES, AND ARE INTENDED TO PROVIDE THE AUTHORITIES HAVING JURISDICTION WITH INFORMATION TO DETERMINE CODE COMPLIANCE. THE INSTALLING CONTRACTOR IS RESPONSIBLE TO ENSURE THAT MEANS, METHODS, AND MATERIALS USED IN CONSTRUCTION ARE INSTALLED IN ACCORDANCE WITH ANY CONTRACTURAL AGREEMENT THAT MAY EXIST WITH AN OWNER, CONSTRUCTION MANAGER, GENERAL CONTRACTOR, ETC.
RTM ACCEPTS NO RESPONSIBILITY OR LIABILITY FOR THE COMPLIANCE OR CONDITION OF EXISTING EQUIPMENT AND WIRING.



1 E1.1 ELECTRICAL ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"

SCOPE OF WORK

PROJECT CONSISTS OF THE INSTALLATION OF A TRAINING ROOM FOR ELECTRICAL ENGINEERING STUDENTS. SCOPE TO INCLUDE NEW RECEPTACLES FOR POWERING WORK AREAS AND ELECTRICAL DISTRIBUTION EQUIPMENT CONNECTED TO EXISTING SWITCHBOARDS. SEE SINGLE LINE AND NOTES FOR MORE INFORMATION.

GENERAL NOTES - OVERALL PROJECT

A. RTM DRAWINGS INDICATE DESIGN INTENT AND REQUIRED OUTCOMES. IF CONDITIONS ARISE IN THE FIELD THAT REQUIRE DEVIATIONS FROM THE DRAWINGS IT IS ASSUMED THAT THE CONTRACTOR WILL DETERMINE THE APPROPRIATE DEVIATION WITH APPROVAL FROM THE OWNER. RTM IS AVAILABLE TO ASSIST WHEN REQUIRED IF ISSUES ARISE.

GENERAL NOTES - POWER

A. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONDUIT/CABLE ROUTING. COORDINATE ROUTING WITH ALL OTHER TRADES AND BUILDING CONDITIONS.
B. SEE SINGLE LINE DIAGRAM FOR FEEDER WIRE AND CONDUIT SIZE. ALL CIRCUITS NOT SIZED ON DRAWING SHALL BE INSTALLED TO MEET MINIMUM SIZE REQUIRED BY NEC.
C. PROVIDE MOTOR STARTERS FOR EQUIPMENT AS INDICATED ON DRAWINGS. COORDINATE ANY INTERLOCKING WIRING WITH HVAC CONTRACTOR AND PROVIDE WIRING, COILS, AND AUXILIARY CONTACTS AS NECESSARY. SIZE ALL CIRCUITS FOR ACTUAL EQUIPMENT TO BE CONNECTED.
D. ALL PANELS AND DISCONNECTS LOCATED OUTDOORS SHALL BE LABELED NEMA 3R.
E. ROOF MOUNTED AND OUTDOOR EQUIPMENT SHALL HAVE 120V RECEPTACLE MOUNTED WITHIN 25' OF EACH PIECE. RECEPTACLES SHALL BE IN WEATHER PROOF BOX AND HAVE GFCI PROTECTION.
F. FOR ITEMS FURNISHED BY OTHER TRADES, ELECTRICAL CONTRACTOR TO FULLY COORDINATE BREAKER AND WIRE SIZES WITH ACTUAL EQUIPMENT BEING CONNECTED PRIOR TO ROUGH-IN, OR INSTALLATION. THE SIZES ON PANEL SCHEDULES REFER TO BASIS OF DESIGN SELECTIONS, AND ACTUAL ITEMS MAY DEVIATE FROM BASIS OF DESIGN. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO CONFIRM REQUIRED WIRE AND BREAKER SIZES WITH THE CONTRACTOR FURNISHING THE EQUIPMENT.
G. REFER TO ARCHITECT'S PLANS AND ELEVATIONS FOR ALL DEVICE MOUNTING HEIGHTS.
H. CONTRACTOR TO PROVIDE GROUNDING AND BONDING AS REQUIRED FOR ELECTRICAL SYSTEMS. GROUNDING AND BONDING IS CONSIDERED MEANS AND METHODS OF CONSTRUCTION, AND SHOULD BE COMPLETED BY THE ELECTRICAL CONTRACTOR IN ACCORDANCE WITH NEC 250.
I. GFCI DEVICES MUST BE INSTALLED IN ACCESSIBLE LOCATIONS AND NOT PLACED BEHIND EQUIPMENT.

KEYED SHEET NOTES

1. REPLACE EXISTING EXIT SIGN WITH NEW LIKE KIND. SEE LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION. NO LOAD WILL BE ADDED.
2. INSTALL RECEPTACLES IN THE CEILING FOR OWNER SUPPLIED AND INSTALLED CORD REELS. COORDINATE LOCATION WITH OWNER PRIOR TO INSTALL.
3. SUPPLY AND INSTALL 12" WIDE X 12'-0" LONG CABLE TRAY, COORDINATE LOCATION WITH OWNER PRIOR TO INSTALL. SEE DETAIL 2 ON SHEET E2.0 FOR CABLE TRAY INFORMATION.
4. FIELD VERIFY LOCATION OF QUAD. COORDINATE LOCATION WITH OWNER PRIOR TO INSTALL.
5. REPLACE EXISTING EMERGENCY LIGHT WITH NEW LIKE KIND. SEE LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION. NO LOAD WILL BE ADDED.
6. PROVIDE RED RECEPTACLES FOR THESE DEVICES INDICATING THEY WILL BE CONSTANTLY LIVE. SEE DETAIL 1 ON SHEET E2.0 FOR ELEVATION VIEW AND MORE INFORMATION.
7. SUPPLY AND INSTALL NEW EXIT SIGN. SEE LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION. CONNECT TO EXISTING EMERGENCY / EGRESS LIGHTING CIRCUIT.

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Issue/Revision	Revision Number	Date
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RENOVATIONS AND ADDITION TO
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