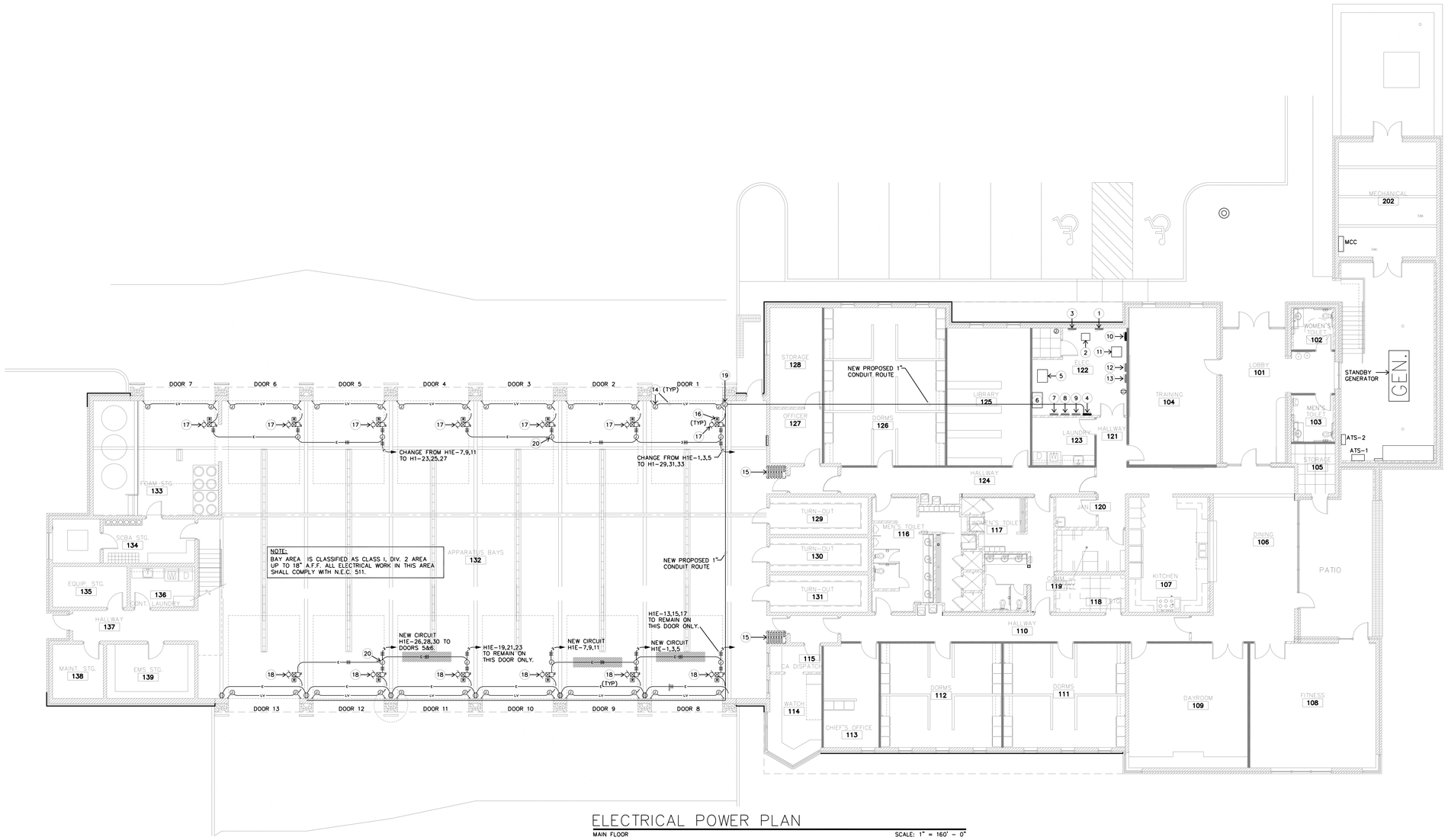

ELECTRICAL POWER PLAN

MAIN FLOOR

SCALE: 1" = 160' - 0"

KEYED NOTES:

1. PANEL "H2E".
2. 30 KVA TRANSFORMER, 480V PRIMARY, 120/208V, 3Ph, 4W SECONDARY.
3. PANEL "L3E".
4. PANEL "H1".
5. 112.5 KVA TRANSFORMER, 480V PRIMARY, 120/208V, 3ø, 4W SECONDARY.
6. DISTRIBUTION PANEL 'LDP'
7. PANEL "L1".
8. PANEL "L2".
9. PANEL "L3".
10. PANEL "H1E".
11. 75 KVA TRANSFORMER, 480V PRIMARY, 120/208V, 3ø, 4W SECONDARY.
12. PANEL "L1E".
13. PANEL "L2E".
14. J-BOX @ +12" AFF AT BOTH SIDES OF GARAGE OPENING WITH 3/4"C. WITH PULLWIRE FOR SAFETY TRIP DEVICES. COORDINATE WITH DOOR OPERATOR SUPPLIER.
15. PROVIDE WIRING AND CONTROLS FOR "RAISE-LOWER-STOP" CONTROL FOR EACH DOORS 1 THRU 13 WITH CONTROL STATION FOR EACH. ALL LOW VOLTAGE UNIT AND SAFETY CONTROLS INSTALLED BY MANUFACTURER. LABEL WITH DOOR IDENTITY.
16. RADIO REMOTE CONTROL DOOR OPERATOR WITH CAPABILITY TO OPEN AND CLOSE OVERHEAD DOOR. FURNISHED BY DOOR OPERATOR MANUFACTURER.
17. EXISTING OVERHEAD DOOR OPERATOR. 2 HP, 480V, 3ø. FUSIBLE DISCONNECT SWITCH AND STARTER TO REMAIN.
18. NEW OVERHEAD DOOR OPERATOR: 5HP ECM MOTOR, 480V, 3ø FOR AIRSIDE DOORS 8-13. LOWER DISCONNECT TO 48" AFF AND CHANGE FUSES TO 20A.
19. NEW JUNCTION BOX FOR NEW NON-EMERGENCY CIRCUITS FROM PANEL H1. INTERCEPT EXISTING CONDUCTORS GOING TO LANDSIDE DOORS 1-7 AND USE THE TWO NEW NON-EMERGENCY CIRCUITS FOR THOSE DOORS.
20. INTERLOCK WITH OPENER DRY CONTACT SO THAT ONLY ONE DOOR MOTOR MAY RUN AT A TIME (DOOR 3&4 AND 12&13).

NOTES:

1. APPARATUS ROOM SHALL STRICTLY COMPLY WITH N.E.C. 511.
2. MOUNTING OF ALL ELECTRICAL WORK/CONDUIT FOR CEILING SHALL RUN IN DECK FLUTES AND/OR TIGHT WITH DECK AS POSSIBLE.
3. ADD NEW 20/3 BREAKER TO PANEL HE1 AT 26,28,30.
4. ADD TWO NEW 20/3 BREAKERS TO PANEL H1 AT 23,25,27 AND 29,31,33.
5. ADD (3) #10 WIRES TO EXISTING 3/4" CONDUIT FROM PANEL HE1 TO NEW JUNCTION BOX IN APPARATUS BAY.
6. RUN NEW 3/4" CONDUIT WITH (6) #10 CONDUCTORS AND A #10 GROUND FROM PANEL H1 TO A NEW JUNCTION BOX IN THE APPARATUS BAY.
7. INTERCEPT THE TWO EMERGENCY CIRCUITS TO THE LANDSIDE DOORS (DOORS 1-7) AND THE NEW CIRCUIT FROM PANEL HE1 AT THE NEW JUNCTION BOX IN THE APPARATUS BAY. RUN NEW 1" CONDUIT AND NEW CIRCUITS TO THE AIRSIDE DOORS 2,3,&5.
8. LOWER THE DISCONNECT FOR AIRSIDE DOORS 8-13 FROM 16' DOWN TO 4' AFF. CHANGE THE FUSE FROM 3A TO 20A.

TAKE OFF WITH US.
Memphis INTERNATIONAL AIRPORT
MEMPHIS INTERNATIONAL AIRPORT
2491 WINCHESTER RD, SUITE 113
MEMPHIS, TENNESSEE
38116-3856

INNOVATIVE • ENGINEERING SERVICES, LLC
2787 Stage Center Dr., Suite 101
Bartlett, Tennessee 38134
901-379-0500
www.innovativees-llc.com

Renaissance Group
9700 Village Circle, Suite 100
Lakeland, Tennessee 38002
901-332-5533
www.rgroup.biz

ARCHITECT JOB NO.
20008-T47

DRAWN BY: PH

CHECKED BY: RJH

APPROVED BY: RJH

RYAN J. HERTER — REGISTERED ENGINEER — STATE OF TENNESSEE — NO. 106019 — 10/22/24

CONSULTANT JOB NO.
19015-13

This information is released solely for its use in the interest of the Memphis-Shelby County Airport Authority (MSCAA) or its Tenants.

All drawings received from MSCAA or produced for MSCAA as a work product shall be regarded as privileged information, not to be released to others without the express written permission of MSCAA.

Your acceptance of the released materials establishes your understanding of, and commitment to, providing adequate control of the materials issued and produced.

REVISIONS

NO.	DESCRIPTION	DATE

MSCAA NO.
19-1423-00 (19-1423-47)

PROJECT:
ARFF OVERHEAD DOOR REPLACEMENT

SET:
FOR BID

SHEET TITLE:
ELECTRICAL NEW WORK

RVT. FILE NAME
-

DATE
11.15.2024

SCALE
1" = 160'-0"

DWG NO.
E1