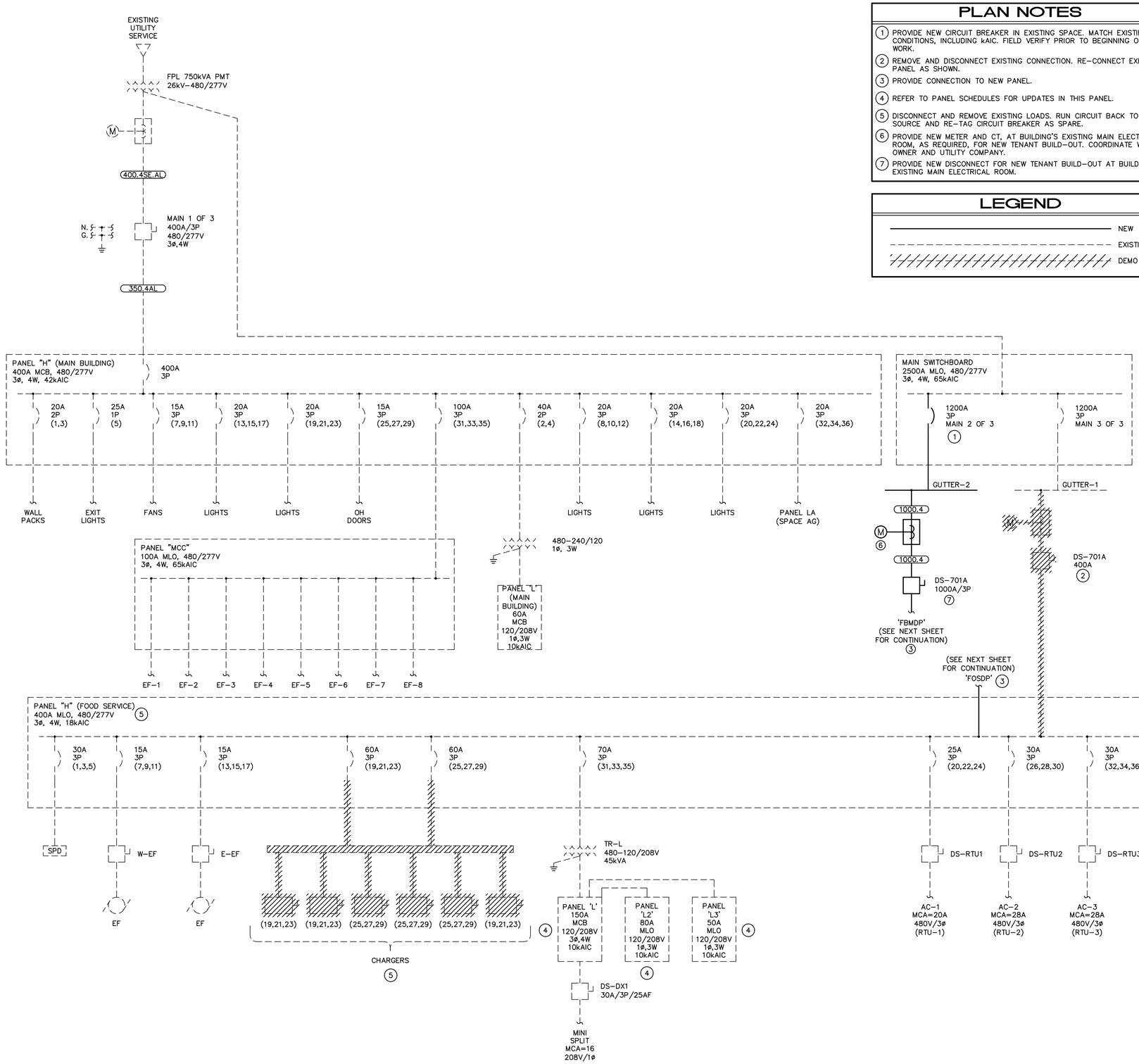

1 E_10 **ELECTRICAL ONE-LINE DIAGRAM**

SCALE: NONE

PLAN NOTES

1. PROVIDE NEW CIRCUIT BREAKER IN EXISTING SPACE. MATCH EXISTING CONDITIONS, INCLUDING kAIC. FIELD VERIFY PRIOR TO BEGINNING OF WORK.
2. REMOVE AND DISCONNECT EXISTING CONNECTION. RE–CONNECT EXISTING PANEL AS SHOWN.
3. PROVIDE CONNECTION TO NEW PANEL.
4. REFER TO PANEL SCHEDULES FOR UPDATES IN THIS PANEL.
5. DISCONNECT AND REMOVE EXISTING LOADS. RUN CIRCUIT BACK TO SOURCE AND RE–TAG CIRCUIT BREAKER AS SPARE.
6. PROVIDE NEW METER AND CT, AT BUILDING'S EXISTING MAIN ELECTRICAL ROOM, AS REQUIRED, FOR NEW TENANT BUILD–OUT. COORDINATE WITH OWNER AND UTILITY COMPANY.
7. PROVIDE NEW DISCONNECT FOR NEW TENANT BUILD–OUT AT BUILDING EXISTING MAIN ELECTRICAL ROOM.

LEGEND

- NEW
- EXISTING
- DEMO

COPPER WIRE AND CONDUIT SCHEDULE

15.3	3#12, 1#12G, 3/4"C
15.4	3#12, 1#12N, 1#12G, 3/4"C
20.3	3#12, 1#12G, 3/4"C
20.4	3#12, 1#12N, 1#12G, 3/4"C
25.2	2#10, 1#10G, 3/4"C
25.3	3#10, 1#10G, 3/4"C
25.4	3#10, 1#10N, 1#10G, 3/4"C
30.3	3#10, 1#10G, 3/4"C
30.4	3#10, 1#10N, 1#10G, 3/4"C
35.2	2#8, 1#10G, 3/4"C
35.3	3#8, 1#10G, 3/4"C
35.4	3#8, 1#8N, 1#10G, 3/4"C
40.3	3#8, 1#10G, 3/4"C
40.4	3#8, 1#8N, 1#10G, 3/4"C
45.3	3#6, 1#10G, 3/4"C
45.4	3#6, 1#6N, 1#10G, 1"C
50.3	3#6, 1#10G, 3/4"C
50.4	3#6, 1#6N, 1#10G, 1"C
60.3	3#4, 1#10G, 1"C
60.4	3#4, 1#4N, 1#10G, 1–1/4"C
70.3	3#4, 1#8G, 1"C
70.4	3#4, 1#4N, 1#8G, 1–1/4"C
80.3	3#3, 1#8G, 1–1/4"C
80.4	3#3, 1#3N, 1#8G, 1–1/4"C
90.3	3#2, 1#8G, 1–1/4"C
90.4	3#2, 1#2N, 1#8G, 1–1/4"C
100.3	3#1, 1#8G, 1–1/4"C
100.4	3#1, 1#1N, 1#8G, 1–1/2"C
110.3	3#1, 1#6G, 1–1/4"C
110.4	3#1, 1#1N, 1#6G, 1–1/2"C
125.3	3#1/0, 1#6G, 1–1/2"C
125.4	3#1/0, 1#1/0N, 1#6G, 2"C
150.3	3#1/0, 1#6G, 1–1/2"C
150.4	3#1/0, 1#1/0, 1#6G, 2"C
175.3	3#2/0, 1#6G, 2"C
175.4	3#2/0, 1#2/0, 1#6G, 2"C
200.3	3#3/0, 1#6G, 2"C

SPD NOTE

CONNECT 'SPD' UNITS USING LEADS PROVIDED ON UNIT AT FACTORY. CONDUIT/NIPPLE SIZE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. LEADS SHALL BE KEPT AS SHORT AS POSSIBLE.

SHORT CIRCUIT RATING NOTE:

AIC RATINGS SHOWN IN THE DOCUMENTS FOR ALL ELECTRICAL EQUIPMENT, ARE BASED ON ESTIMATED VALUES AT THE TIME OF DESIGN. FINAL TRANSF. SIZE, IMPEDENCE, AND AVAILABLE FAULT CURRENT SHALL BE OBTAINED FROM FPL AND UTILIZED IN PERFORMING THE FAULT STUDY. RATINGS OF ALL EQUIPMENT SHALL BE ADJUSTED AS MAY BE NECESSARY TO COMPLY WITH THE RESULTS OF THE STUDY.

MAIN DISTRIBUTION PANEL AND ALL DISTRIBUTION PANELS FIELD MARKED WITH LABEL FOR ARC FLASH HAZARDS PURPOSES CONTAINING ALL OF THE INFORMATION AS NOTED IN NEC 70E–130.5 (C).

CONTRACTOR SHALL PROVIDE A COMPLETE COORDINATION STUDY FOR THE ENTIRE EMERGENCY ELECTRICAL SYSTEM, INCLUDING THE GENERATOR BREAKERS. PROVIDE TIME CURRENT CURVES AND APPROPRIATE SETTINGS FOR EACH CIRCUIT BREAKER.

COPPER WIRE AND CONDUIT SCHEDULE

200.4	3#3/0, 1#3/0N, 1#6G, 2"C
200.4SE	3#3/0, 1#3/0N, 2"C
225.3	3#4/0, 1#4G, 2"C
225.4	3#4/0, 1#4/0N, 1#4G, 2–1/2"C
250.3	3–250MCM, 1#4G, 2–1/2"C
250.4	3–250MCM, 1–250MCM N, 1#4G, 2–1/2"C
300.3	3–350MCM, 1#4G, 2–1/2"C
300.4	3–350MCM, 1–350MCM N, 1#4G, 3"C
350.3	3–500MCM, 1#3G, 3"C
350.4	3–500MCM, 1–500MCM N, 1#3G, 3–1/2"C
400.3	3–600MCM, 1#3G, 3"C
400.4	3–600MCM, 1–600MCM N, 1#3G, 3–1/2"C
450.3	(2) SETS EACH OF 3#4/0, 1#2G, 2"C
450.4	(2) SETS EACH OF 3#4/0, 1#4/0N, 1#2G, 2–1/2"C
500.3	(2) SETS EACH OF 3#250MCM, 1#2G, 2–1/2"C
500.4	(2) SETS EACH OF 3#250MCM, 1#250MCM N, 1#2G, 2–1/2"C
600.3	(2) SETS EACH OF 3#350MCM, 1#1G, 2–1/2"C
600.4	(2) SETS EACH OF 3#350MCM, 1#350MCM N, 1#1G, 3"C
700.3	(2) SETS EACH OF 3#500MCM, 1#1/0G, 3"C
700.4	(2) SETS EACH OF 3#500MCM, 1#500MCM N, 1#1/0G, 3–1/2"C
800.3	(2) SETS EACH OF 3#600MCM, 1#1/0G, 3"C
800.4	(2) SETS EACH OF 3#600MCM, 1#300MCM N, 1#1/0G, 3"C
900.3	(3) SETS EACH OF 3#350MCM, 1#2/0G, 3"C
900.4	(3) SETS EACH OF 3#350MCM, 1#350MCM N, 1#2/0G, 3"C
1000.3	(3) SETS EACH OF 3#400MCM, 1#2/0G, 3"C
1000.4	(3) SETS EACH OF 3#400MCM, 1#400MCM N, 1#2/0G, 3"C
1200.3	(3) SETS EACH OF 3#600MCM, 1#3/0G, 3"C
1200.4	(3) SETS EACH OF 3#600MCM, 1#600MCM N, 1#3/0G, 4"C
S1200.4	(3) SETS EACH OF 3#600MCM, 1#600MCM N, 4"C
1400.3	(4) SETS EACH OF 3#500MCM, 1#4/0G, 3"C
1400.4	(4) SETS EACH OF 3#500MCM, 1#500MCM N, 1#4/0G, 3–1/2"C
1600.3	(4) SETS EACH OF 3#600MCM, 1#4/0G, 3–1/2"C
1600.4	(4) SETS EACH OF 3#600MCM, 1#600MCM N, 1#4/0G, 3–1/2"C
2000.3	(5) SETS EACH OF 3#600MCM, 1#250MCM G, 3–1/2"C
2000.4	(5) SETS EACH OF 3#600MCM, 1#600MCM N, 1#250MCM G, 3–1/2"C
2000.4SE	(5) SETS EACH OF 3#600MCM, 1#600MCM N, 3–1/2"C
2500.3	(6) SETS EACH OF 3#600MCM, 1#350MCM G, 3–1/2"C
2500.4	(6) SETS EACH OF 3#600MCM, 1#600MCM N, 1#350MCM G, 4"C
2500.4SE	(6) SETS EACH OF 3#600MCM, 1#600MCM N, 4"C
3000.3	(8) SETS EACH OF 3#500MCM, 1#400MCM G, 3"C
3000.4	(8) SETS EACH OF 3#500MCM, 1#500MCM N, 1#400MCM G, 3–1/2"C
4000.3	(10) SETS EACH OF 3#600MCM, 1#500MCM G, 3–1/2"C
4000.4	(10) SETS EACH OF 3#600MCM, 1#600MCM N, 1#500MCM G, 4"C
2.GEC	1#8G
170.GEC	1#6G
270.GEC	1#4G
370.GEC	1#2G
350.GEC	1#1/0G
600.GEC	1#2/0G
1100.GEC	1#3/0G

GROUNDING NOTE:

ALL GROUNDING ELECTRODE CONDUCTORS SHALL TERMINATE ON 5/8" DIA x 10' LONG COPPER GROUND ROD, BUILDING STEEL, AND CWP. (WHERE DRIVEN GROUND ROD NOT POSSIBLE, CONNECT TO BLDG. STEEL AND CWP)

Stephen Boruff, AIA
Architects + Planners, Inc.
AAC 002226

Architecture
Planning
Interior Architecture

901
Northpoint Parkway
Suite 101
West Palm Beach
Florida 33407

JLRD JOHNSON, LEVINSON RAGAN, DAVILA, INC. CONSULTING ENGINEERS
1450 Centerpark Boulevard, Suite 350
West Palm Beach, Florida 33401
(561) 689–2303 (561) 689–2302 Fax
www.jlrdinc.com

Ruben Ortega Blanco, P.E. 90645
Ward C. Connors, P.E. 45839

New Kitchen Facility for

PALM BEACH COUNTY FOOD BANK

701 Boutwell Road
Lake Worth, FL. 33461

CLEAR SPAN STRUCTURES

Project No. 22.046
24 February 2023
Bidding, Permit and Construction

E
10

JLRD PROJECT NO: 122110