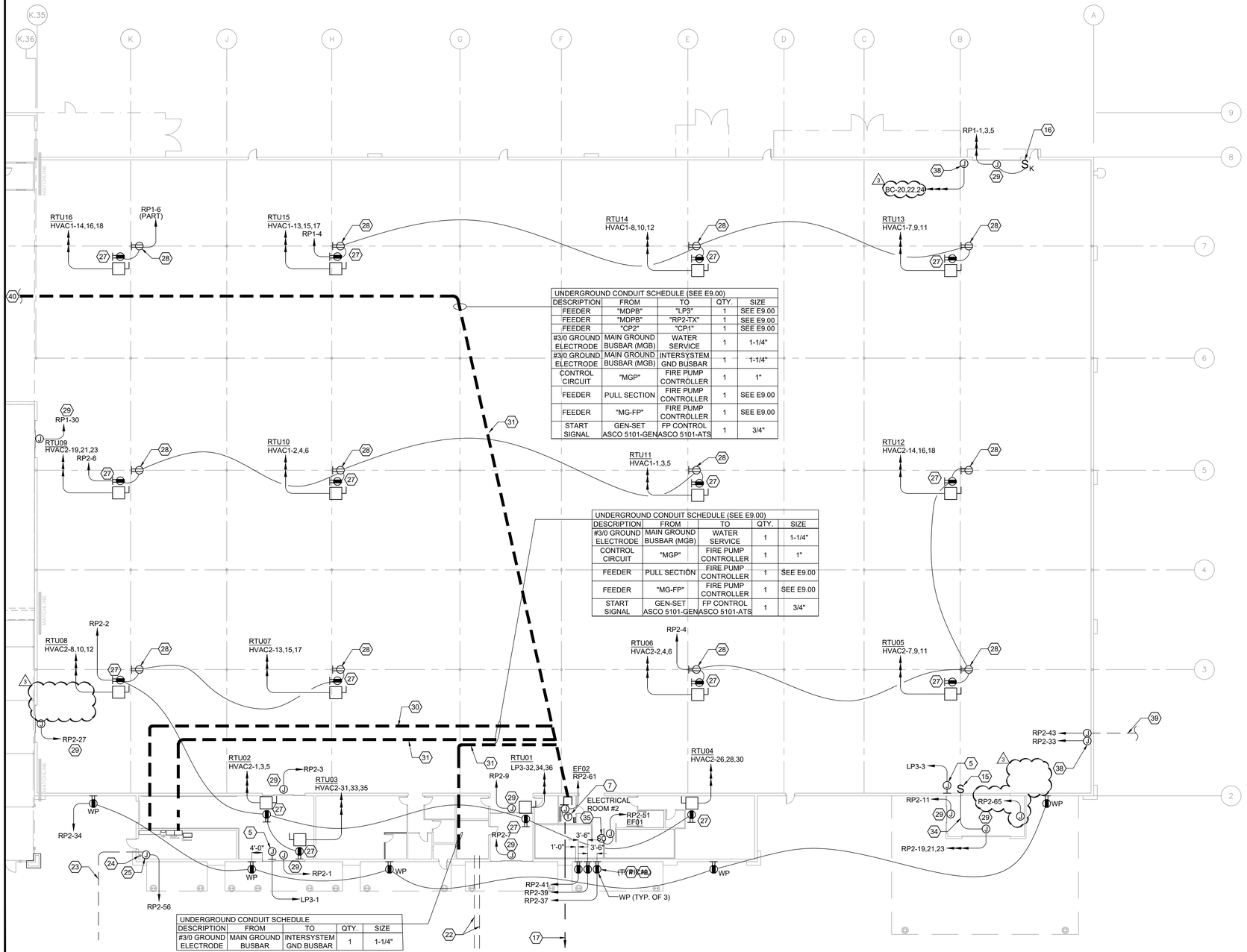


KEY PLAN

SCALE: NTS



UNDERGROUND CONDUIT SCHEDULE (SEE E9.00)				
DESCRIPTION	FROM	TO	QTY.	SIZE
FEEDER	"MDPB"	"LP3"	1	SEE E9.00
FEEDER	"MDPB"	"RP2-TX"	1	SEE E9.00
FEEDER	"CP2"	"CP1"	1	SEE E9.00
#3/0 GROUND ELECTRODE	MAIN GROUND BUSBAR (MGB)	WATER SERVICE	1	1-1/4"
#3/0 GROUND ELECTRODE	MAIN GROUND BUSBAR (MGB)	INTERSYSTEM GND BUSBAR	1	1-1/4"
CONTROL CIRCUIT	"MGP"	FIRE PUMP CONTROLLER	1	1"
FEEDER	PULL SECTION	FIRE PUMP CONTROLLER	1	SEE E9.00
FEEDER	"MG-FP"	FIRE PUMP CONTROLLER	1	SEE E9.00
START SIGNAL	GEN-SET ASCO 5101-GEN	FP CONTROL ASCO 5101-ATS	1	3/4"

UNDERGROUND CONDUIT SCHEDULE (SEE E9.00)				
DESCRIPTION	FROM	TO	QTY.	SIZE
#3/0 GROUND ELECTRODE	MAIN GROUND BUSBAR (MGB)	WATER SERVICE	1	1-1/4"
CONTROL CIRCUIT	"MGP"	FIRE PUMP CONTROLLER	1	1"
FEEDER	PULL SECTION	FIRE PUMP CONTROLLER	1	SEE E9.00
FEEDER	"MG-FP"	FIRE PUMP CONTROLLER	1	SEE E9.00
START SIGNAL	GEN-SET ASCO 5101-GEN	FP CONTROL ASCO 5101-ATS	1	3/4"

UNDERGROUND CONDUIT SCHEDULE				
DESCRIPTION	FROM	TO	QTY.	SIZE
#3/0 GROUND ELECTRODE	MAIN GROUND BUSBAR	INTERSYSTEM GND BUSBAR	1	1-1/4"

SALES FLOOR - POWER PLAN

SCALE: 1"=20'-0"

01

SHEET NOTES

1. SEE GENERAL NOTES ON SHEET E1.00.
2. FOR GARDEN CENTER CONTINUATION SEE 1-E3.01.
3. FUSED DISCONNECT SWITCHES, SIZED PER EQUIPMENT NAMEPLATE, FOR ROOFTOP UNITS AND OTHER MECHANICAL VENTILATION EQUIPMENT SHALL BE PROVIDED AS AN INTEGRAL PART OF THE UNIT. WIRING TO DISCONNECT TO BE BY ELECTRICAL CONTRACTOR.
4. ANY MULTIPLE CIRCUIT RUN IN A SINGLE CONDUIT FROM SINGLE POLE BREAKERS SHALL HAVE A DEDICATED NEUTRAL PULLED WITH EACH CIRCUIT
5. UNDERGROUND FEEDERS SHALL BE RUN UNDER THE SLAB IN N.E.C. APPROVED SCHEDULE 40 PVC CONDUIT PROVIDED THE FOLLOWING REQUIREMENTS AND ANY ADDITIONAL REQUIREMENTS OF THE CODE. ARE SATISFIED: AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN EACH RACEWAY. PVC CONDUIT MAY BE USED FOR UNDERGROUND STRAIGHT RUNS ONLY. ALL TURNS MUST BE ACCOMPLISHED WITH RIGID METALLIC CONDUIT TO AVOID ANY POSSIBILITY OF DAMAGE DURING WIRE PULLING. DRAWING IS SCHEMATIC. RUN UNDERGROUND USING THE MOST DIRECT ROUTE POSSIBLE. INSTALL 18 INCHES BELOW BOTTOM OF STONE BASE. (SEE DETAIL 6-E6.02).
6. VERIFY AND COORDINATE EXACT LOCATION OF ALL HVAC EQUIPMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO ANY ROUGH-IN.
7. SEE RISER DIAGRAM ON SHEETS E9.00 AND E9.01 FOR CONDUIT AND WIRE SIZE. SEE SHEETS E7.00 AND E7.01 FOR GENERATOR SET SPECIFICATIONS.

KEYED NOTES

1. NOT USED.
2. NOT USED.
3. NOT USED.
4. 15" AFF NOMINAL. COORDINATE BOTTOM OF BOXES WITH MASONRY JOINT.
5. EXTEND CONDUITS FROM JUNCTION BOX(ES) TO A POINT NEAR THE BACK OF EACH LETTER THAT RECEIVES POWER. COORDINATE ALL PENETRATIONS THROUGH WALL INTO BACK OF SIGN WITH SIGN INSTALLER. PROVIDE A JUNCTION BOX AT THIS POINT AND CONNECT PIGTAIL FROM SIGN TO BRANCH CIRCUIT WIRING. BRANCH CIRCUIT WIRING SHALL HAVE A DEDICATED NEUTRAL ROUTED WITH PHASE CONDUCTORS FROM PANEL TO SIGN PIGTAIL. MAKE WALL PENETRATION WEATHER TIGHT. SEE DETAILS 01-E6.03 (PRO SERVICES), 02-E6.03 (MAIN ENTRANCE), AND ARCHITECTURAL FOR APPLICABLE SIGN DETAILS AND LOCATION.
6. NOT USED.
7. LINE-VOLTAGE T-STAT BY MECHANICAL SUBCONTRACTOR. ELECTRICAL SUBCONTRACTOR SHALL PROVIDE BOX, CONDUIT, AND LINE VOLTAGE WIRING.
8. NOT USED.
9. NOT USED.
10. NOT USED.
11. NOT USED.
12. NOT USED.
13. NOT USED.
14. NOT USED.
15. THREE BUTTON SWITCH FURNISHED WITH OVERHEAD DOOR, INSTALLED BY ELECTRICAL SUBCONTRACTOR.
16. KEY SWITCH CONTROLLER FURNISHED WITH OVERHEAD DOOR, INSTALLED BY ELECTRICAL SUBCONTRACTOR.
17. (3) 1" UNDERGROUND CONDUITS FOR SITE LIGHTING CIRCUITS TO PULL BOX 'A'. ROUTE CONDUIT(S) FROM PANEL "LP3". SEE SHEET SL1.00 FOR CIRCUIT/CONDUIT CONTINUATION..
18. NOT USED.
19. DEDICATED RECEPTACLES FOR VENDING MACHINES.
20. NOT USED.
21. NOT USED.
22. (2) 4" CONDUIT UNDERGROUND TO TELEPHONE EQUIPMENT BOARD. SEE DETAIL 02-E3.03 FOR EXACT LOCATION AND FOR MORE INFORMATION.
23. (1) 4" CONDUIT UNDERGROUND TO SITE IRRIGATION ZONE VALVES. STUB UP 48" AFF AT IRRIGATION CONTROLLER. SEE CIVIL DRAWINGS FOR DETAILS.
24. 1/2" PVC CONDUIT FROM IRRIGATION CONTROLLER TO RAIN SENSOR. SEE DETAIL ON CIVIL DRAWINGS.
25. JUNCTION BOX FOR SITE IRRIGATION CONTROLLER STUB UP 1" CONDUIT AT 15" FROM CORNER OF MASONRY WALL 36" AFF. SEE CIVIL DRAWINGS.
26. NOT USED.
27. WEATHERPROOF GFCI CONVENIENCE RECEPTACLE LOCATED WITHIN ROOF-TOP HVAC UNIT. OUTLET SHALL BE PROVIDED WITHIN EACH UNIT BY THE MANUFACTURER. WIRING TO RECEPTACLE SHALL BE BY THE ELECTRICAL CONTRACTOR.
28. DUPLEX RECEPTACLE MOUNTED ON COLUMN IN STEEL BOX AT BOTTOM OF BAR JOISTS. PROVIDE METAL COVER PLATES FOR THESE RECEPTACLES. SEE DETAIL 04-E6.02.
29. MAKE CONNECTIONS TO AUTOMATIC/OVERHEAD DOOR FROM THIS JUNCTION BOX LOCATED ON WALL ABOVE DOOR HEADER. PROVIDE DISCONNECT AS REQUIRED.
30. #3/0 CU. GND IN 2" C. FROM INCOMING COPPER WATERLINE TO MAIN GROUNDING BUSBAR "MGB" LOCATED IN MAIN BREAKER SECTION.
31. SEE 'UNDERGROUND CONDUIT SCHEDULE' THIS SHEET, FOR UNDERGROUND CONDUITS TO BE INSTALLED.
32. NOT USED. (2)
33. NOT USED.
34. ELECTRICAL CONTRACTOR SHALL RUN 3/4" CONDUIT AND CONTROL WIRING FROM JUNCTION BOX AT ROLL-UP DOOR ABOVE BOTTOM CHORD OF JOISTS IN VESTIBULE AND THROUGH MASONRY WALL. TURN CONDUIT DOWN AND RUN INSIDE OF MASONRY WALL TO THREE BUTTON SWITCH MOUNTED AND INSTALLED BY ELECTRICIAN AT 48" AFF
35. INSTALL SPEED CONTROLLER, FURNISHED WITH EF01. MOUNT ABOVE CEILING. COORDINATE LOCATION WITH MECHANICAL CONTRACTOR.
36. NOT USED.
37. NOT USED.
38. ELECTRICAL CONTRACTOR SHALL ROUTE BRANCH CIRCUIT TO JUNCTION BOX ON TOP OF BOTTOM CHORD OF JOISTS FOR FINAL CONNECTION TO EQUIPMENT BY OTHERS.
39. UNDERGROUND CONDUIT AND BRANCH CIRCUIT TO AIR STATION, SEE CIVIL FOR LOCATION.
40. SEE SHEET E3.01 FOR CONTINUATION.

REVISIONS		
◇ PRE-BID SET ISSUE DATE		△ POST BID SET ISSUE DATE
DATE		DESCRIPTION
10.31 2025	2	CITY REVIEW COMMENTS
10.07 2026	3	CRITERIA UPDATES

Carl Page
Digitally signed by Carl Page
Date: 2026.03.05 16:40:23 -04'00'
No. 0050265
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10.05.2025

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LOWE'S

SALES FLOOR POWER PLAN AND NOTES

LOWE'S OF WESTLAKE
5683 SEMINOLE PRATT WHITNEY RD.
Westlake, Florida, 33470

PCN: 77-40-43-01-29-000-0010
PROJECT No: 24259 | DRAWN BY: JBM | CHECKED BY: CARP

CRITERIA	
ISSUE DATE:	02-2025
PERMIT SET	
ISSUE DATE:	08-22-2025
CONSTRUCTION SET	
ISSUE DATE:	04-14-2025

DRAWING NUMBER:

E3.00

ORIGINAL	SECOND	FINAL