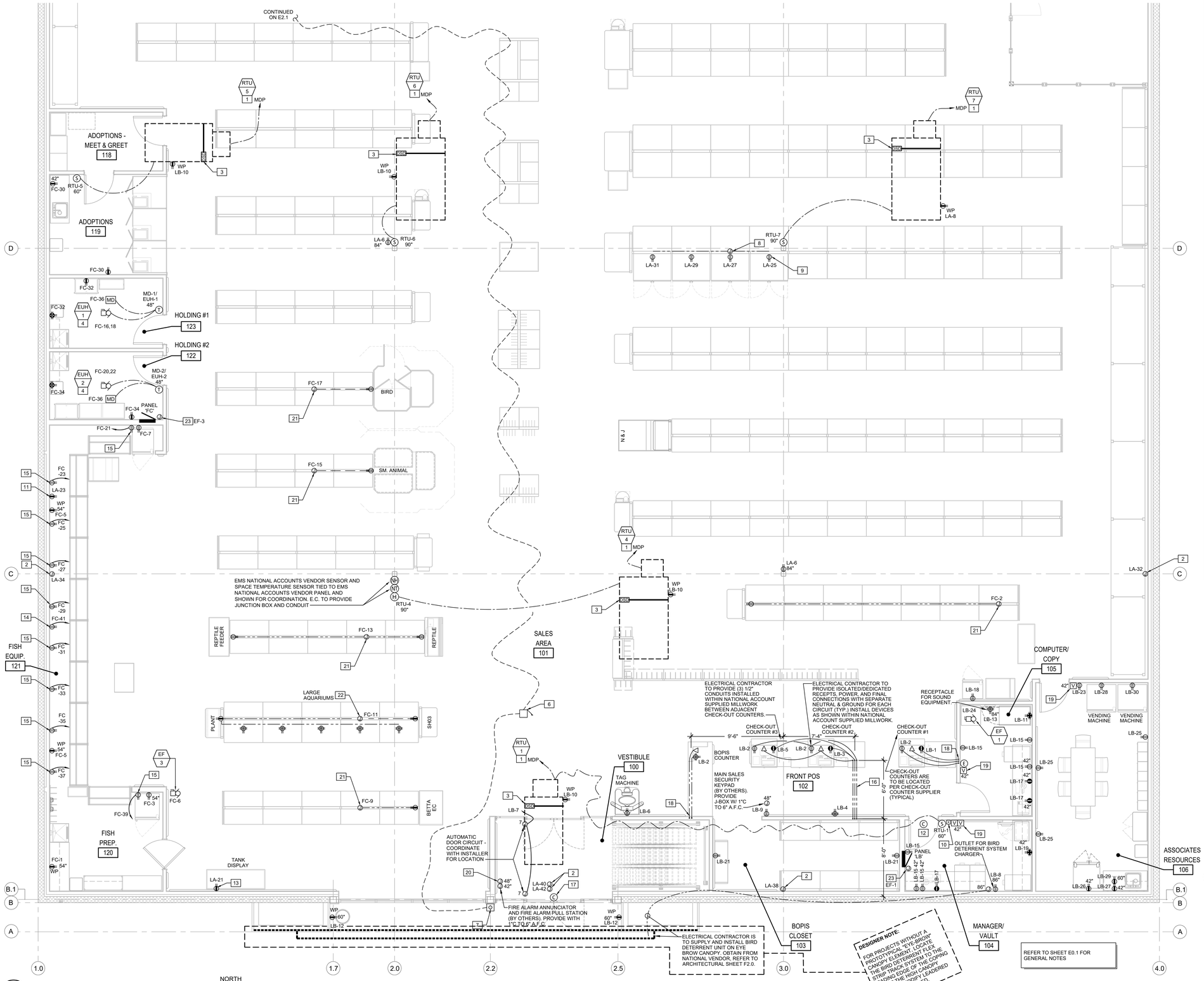
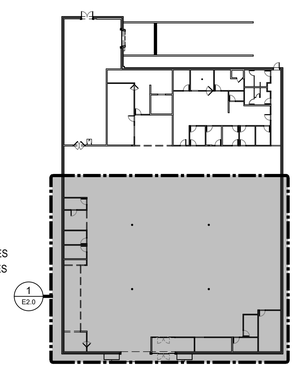


1 E2.0 POWER PLAN FRONT STORE AREA
SCALE: 1/4" = 1'-0"



2 E2.0 KEY PLAN
SCALE: N.T.S.

NORTH

ELECTRICAL KEYNOTES

1. RTU'S: SEE MECHANICAL EQUIPMENT SCHEDULE ON E0.2.
2. EXTERIOR SIGNS: PROVIDE WEATHERPROOF J-BOXES AND CONNECTIONS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH SIGN MANUFACTURER AND PETSMART CONSTRUCTION MANAGER. CONTRACTOR TO PROVIDE AND COORDINATE ACCESS FOR POWER TO SIGN.
3. DUCT SMOKE DETECTOR: CONNECT/WIRE DUCT SMOKE DETECTOR IN ROOFTOP UNIT MAIN RETURN AIR DUCT TO FIRE ALARM SYSTEM AND REMOTE TEST STATIONS AT TELEPHONE EQUIPMENT BOARD (7/E3.0), AND ENSURE PROPER FUNCTION OF RELAY TO SHUTDOWN ROOFTOP UNIT.
4. ELECTRIC HEATER: PROVIDE POWER CONNECTION, THERMOSTAT AND ALL WIRING CONNECTIONS TO HEATER AND MOTORIZED DAMPER. REFER TO DETAIL 4/E3.0 FOR FURTHER INFORMATION.
5. DOOR HORN: PROVIDE HORN. CEILING MOUNT TO BOTTOM CHORD OF JOIST IN SALES AREA. WALL MOUNT OTHER AREAS AT HEIGHT INDICATED ON DRAWINGS. VERIFY LOCATION WITH PETSMART. CONNECT TO REAR PUSHBUTTON AS SHOWN ON DRAWINGS (SEE KEY NOTE 7).
6. DOOR BUZZER: PROVIDE BUZZER, CEILING MOUNT TO BOTTOM CHORD OF JOIST IN SALES AREA. WALL MOUNT OTHER AREAS AT HEIGHT INDICATED ON DRAWINGS. VERIFY LOCATION WITH PETSMART. CONNECT TO FRONT PUSHBUTTON AS SHOWN ON DRAWINGS (SEE KEY NOTE 7).
7. (EXTERIOR) DOOR PUSH-BUTTON: PROVIDE PUSH-BUTTON. CONNECT TO APPROPRIATE BUZZERS OR HORNS AS SHOWN ON DRAWINGS (SEE KEY NOTES 5 AND 6). PROVIDE LAMACOID LABEL ABOVE BUTTON, "PETSMART".
8. RIGID DROP FOR COOLERS/FREEZERS: PROVIDE A 1" RIGID CONDUIT TO JUNCTION BOX AT TOP OF FIXTURE (COORDINATE EXACT HEIGHT ON SITE). ELECTRICAL CONTRACTOR TO WIRE WITH 3/4" FLEXIBLE CONDUIT TO FREEZER/COOLER OUTLETS (TYP. 4), CIRCUIT AS INDICATED. REFER TO DETAIL 1/E3.0.
9. FREEZER/COOLER OUTLET: PROVIDE NEMA 5-20P, 20A (3-PRONG), 120V SINGLE PHASE RECEPTACLE SURFACE MOUNTED ON EITHER MILLWORK SHROUD OR PEGBOARD OF GONDOLA FIXTURE @72" AFF FOR COOLER/FREEZERS. CONTRACTOR TO VERIFY THAT OUTLET IS COMPATIBLE WITH PLUG/CORD. REFER TO DETAIL 1/E3.0.
10. EMS PUSH-BUTTON OVERRIDE: INSTALL MANAGER'S EMS PUSH-BUTTON OVERRIDE. FURNISHED BY EMS NATIONAL ACCOUNTS VENDOR. PROVIDE J-BOX, 1/2" CONDUIT TO 6" AFC WITH 1x 9 CONDUCTOR 18 GA CABLE TO EMS CONTROLLER.
11. FISH RACK LIGHTING: PROVIDE A WP GFCI PROTECTED OUTLET C/W WEATHERPROOF COVER AND CIRCUITRY @84" AFF FOR FISH RACK LIGHTING. PROVIDE FINAL CONNECTION AND CONTROLS VIA EMS SYSTEM. COORDINATE ALL REQUIREMENTS/PLUG-CORD LENGTH WITH FISH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN AND MAKE FINAL CONNECTION.
12. DOOR SECURITY: SEE DETAIL 5/E3.0.
13. AQUARIUM TANK DISPLAY: PROVIDE 120V GFCI OUTLET AND CIRCUITRY FOR AQUARIUM EQUIPMENT PROVIDED BY OTHERS. VERIFY LOCATION AND HEIGHT.
14. TURTLE TANK OUTLET: PROVIDE 120V, 20A GFCI BREAKER IN PANEL FOR TURTLE TANK OUTLET @84" AFF. MAKE FINAL CONNECTION WHEN EQUIPMENT IS LOCATED. COORDINATE ALL REQUIREMENTS/PLUG-CORD LENGTH WITH FISH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN AND MAKE FINAL CONNECTION. PROVIDE LABEL ON OUTLET TO INDICATE OUTLET IS PROTECTED BY A GFCI CIRCUIT BREAKER.
15. TROPICAL & COLD WATER FILTRATION SYSTEM: PROVIDE 120V, 20A GFCI PROTECTED BREAKER FOR FILTRATION RECEPTACLES @84" AFF. COORDINATE ALL REQUIREMENTS/PLUG-CORD LENGTH WITH FISH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN AND MAKE FINAL CONNECTION. PROVIDE LABEL ON OUTLET TO INDICATE OUTLET IS PROTECTED BY A GFCI CIRCUIT BREAKER.
16. ROUTE 2x 1"C FOR POWER AND 1x 1"C FOR TELECOM BELOW SLAB ACROSS TO CASH. CONDUITS TO TERMINATE 3" AFF IN FLOOR MOUNTED JUNCTION BOXES FOR POWER, DATA CONDUIT. PROVIDE END BUSHINGS AND PULLSTRINGS. EXTEND FLEX CONDUIT FROM JUNCTION BOX TO SURFACE MOUNTED DEVICES IN CASEWORK. PROVIDE FINAL CONNECTION WITH SEPARATE NEUTRAL AND GROUND FOR EACH CIRCUIT (TYPICAL).
17. DOOR CONTACT IS PRE-INSTALLED BY DOOR SUPPLIER. E.C. TO ENSURE CONDUIT FOR SECURITY TO DOOR FOLLOWS THE SAME PATH AS DOOR POWER AND TERMINATES IN DOOR HEADER FRAME. SEE DETAIL 5/E3.0.
18. PROVIDE RIGID CONDUITS DOWN IN WALL TO 2" AFF AND WITHIN KICKSPACE OF MILLWORK FOR POWER AND DATA OUTLETS IN MILLWORK, C/W PULLSTRING.
19. VOLUME CONTROL BY OTHERS. ELECTRICAL CONTRACTOR TO ROUGH-IN BOX AT 42" A.F.F. (U.N.O.), TYPICAL.
20. FIRE ALARM ANNUNCIATOR PANEL: THIS CONTRACTOR IS TO MOUNT RECESSED IN VESTIBULE WALL. NO SURFACE CONDUITS PERMITTED. LOCATE PANEL AS CLOSE TO EXTERIOR WALL AS POSSIBLE.
21. RIGID POWER DROP (AT GONDOLAS): COORDINATE WITH FIXTURE PLAN. VERIFY WITH PETSMART CONSTRUCTION MANAGER AND INSTALL. SEE DETAIL 3/E3.0.
22. RIGID POWER DROP (FOR LARGE AQUARIUMS): COORDINATE WITH FIXTURE PLAN. SEE DETAIL 2/E3.0.
23. J-BOX FOR RELAY SERVING EXHAUST FANS: PROVIDE 8"x8"x4" J-BOX ON WALL 12" ABOVE CEILING FOR EXHAUST FAN CONTROL RELAY. SEE 2/EM2 FOR WIRING. LABEL CIRCUIT NUMBER AND EXHAUST FAN NUMBER ON BOX COVER.

TENANT:

PETSMART

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PROJECT:

18K 2025 U.S. VET SERVICES INSTRUCTION SET

FEBRUARY 12, 2025

ARCHITECT:

CONSULTANT:

SEAL:

CITY SEAL:

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THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR:

#	DESCRIPTION	DATE

PROJECT NO: 18K 2025 US INSTRUCTION SET

ORIGINAL SCALE: AS INDICATED

DRAWN BY: XXX

CHECKED BY: XXX

PAGE #: 01 OF: 56

IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE 1"

DISCIPLINE: ELECTRICAL

TITLE:

ENLARGED POWER PLAN

SHEET NUMBER:

E2.0