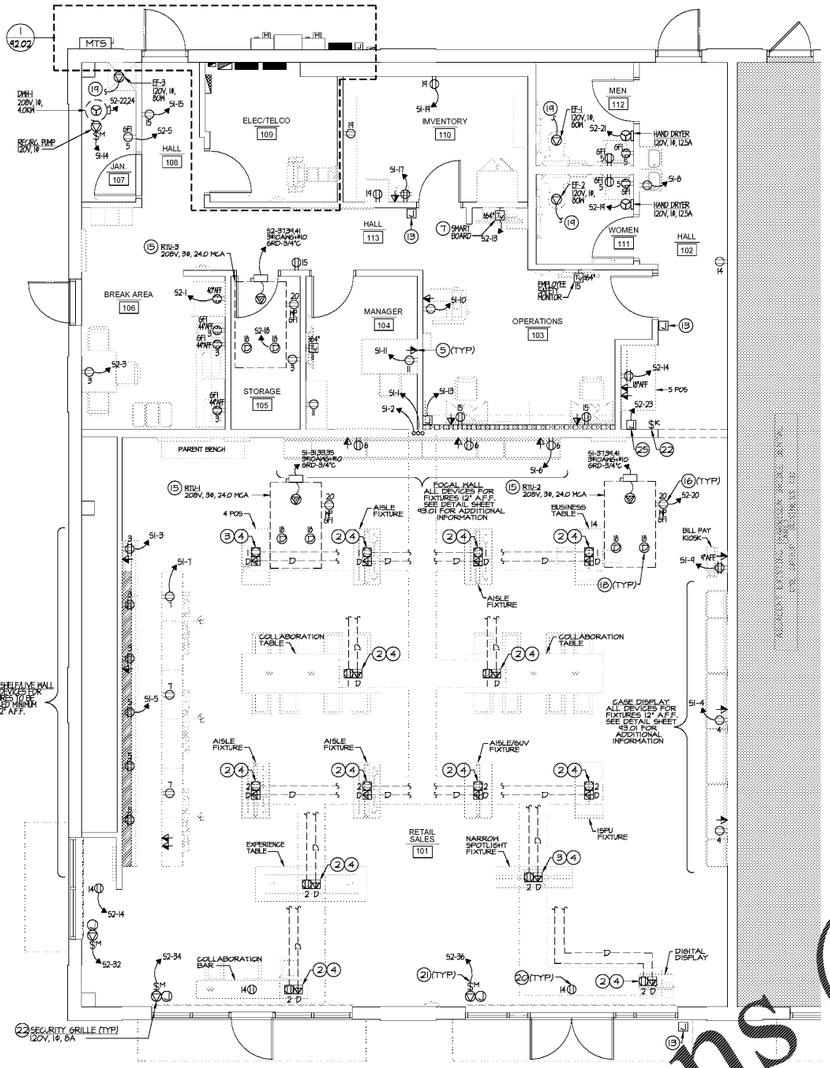


① POWER PLAN
SCALE: 1/4" = 1'-0"

NOTE: ALL BRANCH CIRCUIT WIRING AND CABLING RUN IN EXPOSED CEILING SHALL BE RUN PERPENDICULAR TO AND CONCEALED PARALLEL WITH EXISTING STRUCTURAL BEAMS/JOISTS. CABLING SHALL BE BUNDLED TIGHTLY AND SECURED AT 36" MAX. ALL WIRING/CIRCUIT/CABLING SHALL BE MINIMALLY VISIBLE FROM RETAIL SALES FLOOR.

NOTE: REFER TO ARCHITECTURAL DRAWINGS (SHEET A1.01) FOR CONTROL POINTS AND ELECTRICAL DETAIL SHEETS FOR MOUNTING LOCATIONS/DIMENSIONS OF FLOOR BOXES AND WALL MOUNTED ELECTRICAL DEVICES.

GENERAL NOTES:

1. ALL DEVICES THAT ARE EXISTING TO REMAIN ARE SHOWN LIGHT, SOLID. ALL NEW DEVICES ARE SHOWN BOLD, SOLID. SHADED AREA INDICATES EXISTING CONSTRUCTION TO REMAIN (NOT IN CONTRACT).

2. ALL CONDUITS TO BE INSTALLED UNDER THE SLAB SHALL BE 3/4" IN DIAMETER UNLESS NOTED OTHERWISE NOTED. RUN CONDUITS IN SLAB, PATCH AND REPAIR PER ARCHITECTS SPECIFICATIONS. ALL PENETRATIONS SHALL BE SEALED WATER-TIGHT.

3. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FIXTURES.

4. POWER AND DATA FOR EACH WALL FIXTURE TO BE CENTERED 12" FROM RIGHT ON DRAWER IN THE BASE OF THE FIXTURE. WHEN FIXTURE HAS TWO DRAWERS, POWER AND DATA TO BE CENTERED 12" FROM RIGHT ON ONE OF THE DRAWERS. POWER AND DATA FOR EVERY OTHER FIXTURE. GENERAL CONTRACTOR SHALL COORDINATE WITH FIXTURE MANUFACTURER. SEE SHEET A2.03, FOR DIMENSIONS.

5. ALL WALL BOXES TO BE PLASTIC. ALL WALL COVER PLATES TO BE PLASTIC AND MATCH WALL COLOR.

6. ALL FLOOR BOXES TO BE PLASTIC. ALL FLOOR COVER PLATES TO BE BRUSHED ALUMINUM.

7. ALL FLOOR DEVICES TO BE FLUSH WITH FLOOR. IF SITE RESTRICTS CORE DRILLING, SURFACE MOUNTED DEVICES SHOULD BE UTILIZED. ARCHITECT ON RECORD TO CONFIRM SURFACE MOUNTED DEVICES COORDINATE WITH MILLWORK FIXTURES TO ENSURE ENOUGH SPACE IS PROVIDED.

8. SECURITY EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY SECURITY CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING FOR DEVICES AS REQUIRED BY SECURITY CONTRACTOR FOR PROPER INSTALLATION OF THE SECURITY SYSTEM.

9. NO MC CABLE IS TO BE VISIBLE IN THE SHOWROOM. MC CABLE SHALL NOT BE LONGER THAN 6' IN OTHER AREAS.

10. ALL NOISY CONTACTORS ARE DEEMED DEFECTIVE AND SHALL BE REPLACED.

11. ALL OUTLETS AND DATA DEVICES SHALL BE INSTALLED CLOSE TOGETHER (PREFERABLY 6").

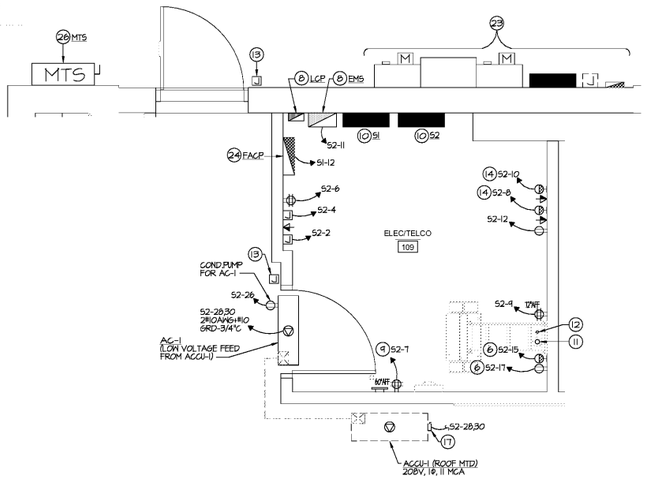
12. ALL DATA LOCATIONS SHALL HAVE BLANK COVERPLATE TO MATCH OUTLET COVERS, DATA/PHONE JACKS/COVER PLATES TO BE INSTALLED BY TENANT COMMUNICATIONS VENDOR.

SECURITY VENDOR IS TO COORDINATE SECURITY & FIRE ALARM SYSTEM REQUIREMENTS WITH THE FIRE MARSHAL AND CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

DRAWING NOTES

1. CONTRACTOR SHALL ROUTE FIXTURE POWER/DATA CONDUIT FEEDS IN FLOOR (SLAB CUT). PROVIDE (1)- 1" CDT WITH CONDUCTORS FOR POWER AND (1)-1" CDT WITH PULLSTRING FOR DATA. TURN CONDUITS UP WITHIN FULL HEIGHT WALL. STUB DATA CDT 6" ABOVE CEILING FOR CABLING BY OTHERS.
2. WIREMOLD MODULINK B8OMP/B8OMPA TWO-GANG NONMETALLIC RECESSED FLOOR BOX FOR (1) DUPLEX RECEPTACLE AND (1) COMPARTMENT FOR FUTURE DATA PULL.
   FLOOR BOX #:= #B8OCG52-1 OR B8OCG52
   BRUSHED ALUMINUM CARPET AND TILE FLANGE = #B28TCAL
   BRUSHED ALUMINUM DUPLEX RECEPTACLE COVER PLATE = #B28R-TCAL
   BRUSHED ALUMINUM COMMUNICATION COVER PLATE = #B28COMTCAL
   COVER PLATES SHALL BE FLUSH WITH FLOORING.
   *ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL RECEPTACLES AND COVER PLATES.
   *FLOOR BOX ORIENTATION SHOULD MATCH FIXTURE ORIENTATION.
3. WIREMOLD MODULINK B8OMP/B8OMPA TWO-GANG NONMETALLIC RECESSED FLOOR BOX FOR (1) DUPLEX RECEPTACLE AND (1) COMPARTMENT FOR (4) DATA FEEDS. 4 POS & SPOTLIGHT FIXTURES
   FLOOR BOX #2= #B8OCG52-1 OR B8OCG52
   BRUSHED ALUMINUM CARPET AND TILE FLANGE = #B28TCAL
   BRUSHED ALUMINUM DUPLEX RECEPTACLE COVER PLATE = #B28R-TCAL
   BRUSHED ALUMINUM COMMUNICATION COVER PLATE = #B28COMTCAL
   COVER PLATES SHALL BE FLUSH WITH FLOORING.
   *ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL RECEPTACLES AND COVER PLATES.
   *FLOOR BOX ORIENTATION SHOULD MATCH FIXTURE ORIENTATION.
4. CONTRACTOR SHALL EXTEND SEPARATE 3/4"CONDUIT FROM EVERY FREE STANDING SALES FLOOR FIXTURE FOR DEDICATED DATA CABLE PULL. FIXTURES SHOULD NOT BE DAISY CHAINED TOGETHER.
5. PROVIDE RECESSED JUNCTION BOX FOR DATA COMMUNICATION CABLING BY VENDOR. EXTEND 1"C FROM BOX TO 6" ABOVE CEILING.
6. DEDICATED RACK UPS POWER. PROVIDE 125V NEMA L5-30R TWIST-LOCK RECEPTACLE (2#10+#10 GRD-3/4" C) PER EQUIPMENT MANUFACTURERS REQUIREMENTS (APC MODEL# SMX2200RMLV2U). PROVIDE 5-20R RECEPTACLE. CONFIRM FINAL RACK POWER REQUIREMENTS AND CLEARANCES WITH EQUIPMENT SUPPLIER.
7. PROPOSED LOCATION OF SMART BOARD BY OTHERS. PROVIDE AND INSTALL COMBINATION DUPLEX RECEPTACLE & PROVISIONS FOR TELEVISION COAX/DATA CABLE DEVICE @ 64" A.F.F.
8. PROPOSED ENERGY MANAGEMENT SYSTEM (EMS) CONTROL PANEL AND LIGHTING CONTROL PANEL TO BE INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE (2) 1" CONDUIT EXTENDING ABOVE CEILING FOR LOW VOLTAGE WIRING. ELECTRICAL CONTRACTOR SHALL PROVIDE DEDICATED 120V POWER TO (1) CONTROL PANEL. REFER TO EMS DETAILS ON SHEET A3.02 FOR ADDITIONAL INFORMATION.
9. PROVIDE TELEPHONE OUTLET AT 18" AFF AND WIRING TO TELEPHONE SYSTEM (FOR EMS). INSTALL 4X12X1/4" COPPER GROUND BAR NEXT TO RECEPTACLE FOR FIBER AND PHONE LINES. EXTEND #2AWG INSULATED GROUND CONDUCTOR AND BOND TO BUILDING STEEL.
10. PANELBOARD. REFER TO POWER RISER AND SCHEDULES ON SHEET 94.01 FOR ADDITIONAL INFORMATION.
11. PROVIDE AND INSTALL (1) ONE 4" CONDUIT FOR COMMUNICATIONS AND SECURITY WIRING BY OTHERS.
12. PROVIDE AND INSTALL (1) ONE 2" CONDUIT THROUGH CEILING FOR COMMUNICATIONS AND SECURITY WIRING BY OTHERS. EXTEND CONDUIT TO POINT OF ENTRY SO FIBER CAN BE PULLED INTO SPACE. SEE DETAIL, SHEET A3.01.
13. PROVIDE 6"X6"X4" JUNCTION BOX IN WALL OR CEILING WITH SECONDARY CABLING IN 3/4" CONDUIT FOR CONNECTION TO SECURITY DEVICES. ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL LOCATION WITH SECURITY VENDOR IN THE FIELD.
14. PROPOSED LOCATION AND CONNECTION FOR SMALL CELL DATA RACK. PROVIDE (2) 3" CONDUITS WITH PULL STRING FOR TELCO AND (2) 120V, 30A L5-30 RECEPTACLES WITH 2#10+#10G 3/4" CONDUIT TO RECEPTACLES. RECEPTACLES SHALL BE WITHIN 12' OF EACH OTHER. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT VENDOR. COORDINATE EXACT LOCATION WITH VERIZON PROJECT MANAGER.
15. ROOFTOP UNITS. BOTH PROPOSED AND EXISTING EQUIPMENT SHALL BE PREPARED FOR FOR CONNECTION THROUGH ENERGY MANAGEMENT SYSTEM (EMS) AS REQUIRED (CONTROL WIRING BY OTHERS). COORDINATE WITH MECHANICAL AND EMS DRAWINGS.
16. PROPOSED 120V, 20A, INTEGRAL, GFCI DUPLEX RECEPTACLE SUPPLIED WITH NEW RTU FOR MECHANICAL EQUIPMENT SERVICING. ELECTRICAL CONTRACTOR SHALL EXTEND BRANCH CIRCUIT WIRING THROUGH DEVICE AS REQUIRED.
17. PROVIDE AND INSTALL NEW SAFETY DISCONNECT SWITCH SIZED PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE NEMA-3R WHERE EXPOSED TO WEATHER.
18. DUCT DETECTORS BY MECHANICAL, WIRE TO 120V CIRCUIT AS REQUIRED. REFER TO PANEL SCHEDULE, SHEET 94.01.
19. INTERCONNECT EXHAUST FAN (EF) TO SALES FLOOR LIGHTING CIRCUIT FOR OPERATION DURING OCCUPIED HOURS THROUGH EMS.
20. PROPOSED LOCATION OF CEILING MOUNTED SHOW WINDOW RECEPTACLES. COORDINATE HEIGHT AND LOCATION WITH VERIZON PROJECT MANAGER IN FIELD.
21. PROVIDE FRACTIONAL HORSEPOWER MOTOR RATED SWITCH WITH THERMAL OVERLOADS AND AUXILIARY CONTACTS.
22. CONNECTION FOR MOTORIZED SECURITY SHUTTERS SHOWN DIAGRAMMATICALLY. PROVIDE 4#10 CONDUCTORS FOR EACH MOTOR CONNECT. PROVIDE WITH UP/DOWN TOGGLE SWITCHES FOR INTERIOR. SWITCHES SHALL CONTROL SPECIFIC GROUP RELAYS, REFER TO DETAIL SHEET 92.02. COORDINATE FINAL SWITCH LOCATIONS WITH VERIZON WIRELESS PROJECT MANAGER. VERIFY EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
23. EXISTING ELECTRICAL EQUIPMENT TO REMAIN. REFER TO POWER RISER, SHEET 94.01, FOR ADDITIONAL INFORMATION.
24. PROPOSED LOCATION FOR RELOCATED FIRE ALARM CONTROL PANEL (FACP). COORDINATE WITH FIRE ALARM VENDOR.
25. PROVIDE JUNCTION BOX IN WALL WITH 120V CIRCUIT FOR CONNECTION TO MUSIC SYSTEM VOLUME CONTROL. COORDINATE FINAL MOUNTING HEIGHT WITH OWNER'S VENDOR IN THE FIELD.
26. PROPOSED LOCATION FOR MANUAL TRANSFER SWITCH (MTS) WITH PORTABLE GENERATOR RECEPTACLE. SEE POWER RISER, SHEET 94.01 FOR ADDITIONAL INFORMATION.

NOTE: 2 SHUTTERS PER RELAY. COORDINATE WITH SECURITY SHUTTER VENDOR PRIOR TO INSTALLATION.



① POWER PART PLAN - ELEC/TELCO 109
SCALE: 1/2" = 1'-0"

SCALE: 1/4"=1'-0"

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