THIS DRAWING IS PROVIDED FOR REFERENCE ONLY TO IDENTIFY EXISTING EQUIPMENT AND SHOW GENERAL EXISTING CONDITIONS.

UNIT REPLACEMENT SCOPE:

ONE TRANE 5-TON WATER SOURCE HEAT PUMP MANUFACTURED IN 2016. REPLACE LIKE FOR LIKE UTILIZING NOTES BELOW.

RECONNECT EXISTING CONDENSER WATER PIPES TO NEW WSHP. PIPE FITTINGS AND CONTROL VALVES SHALL REMAIN.

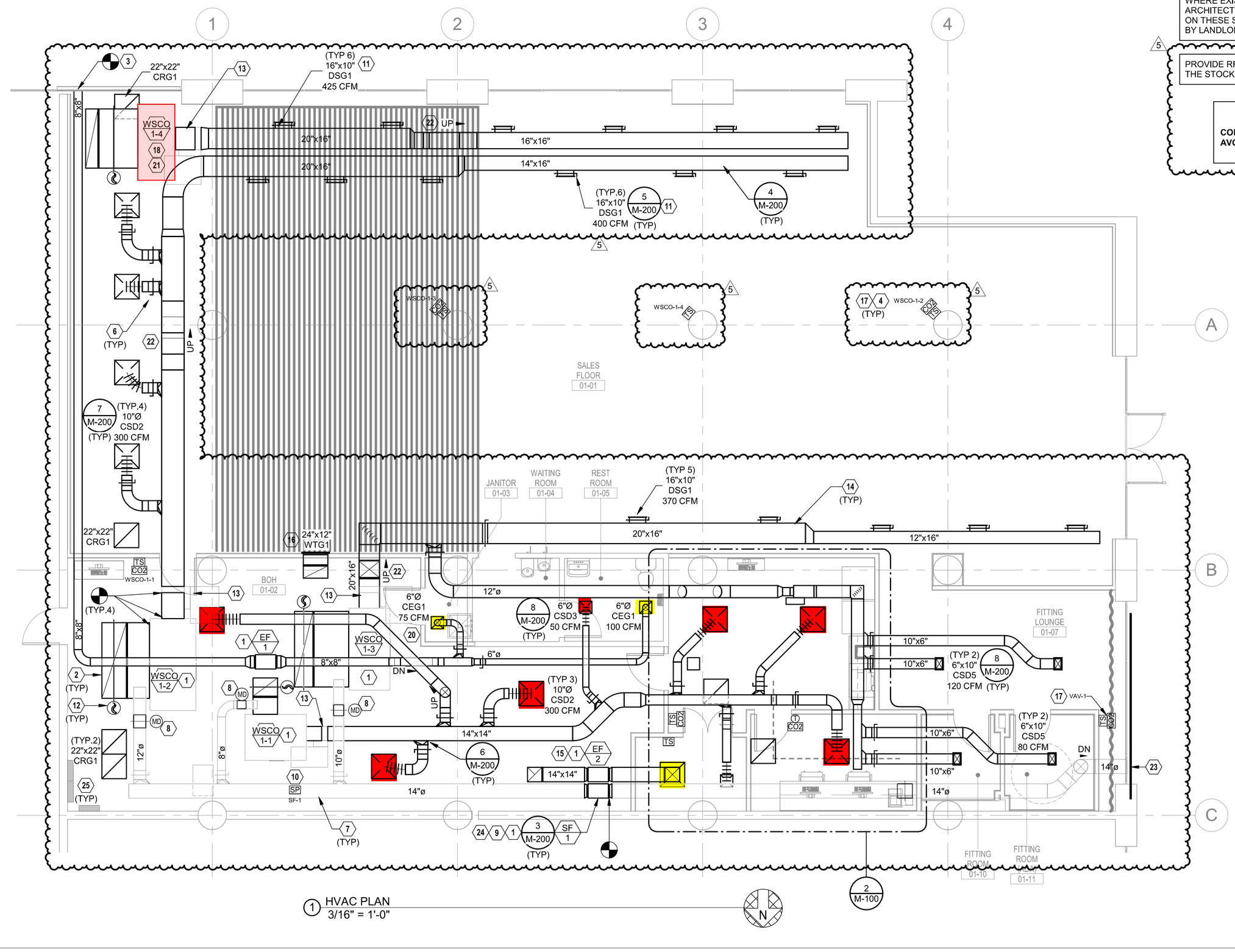
SUPPLY DUCTWORK AND RETURN AIR PLENUM ARE EXISTING TO REMAIN. PROVIDE NEW FABRIC DUCTWORK CONNECTIONS.

DISCONNECT SWITCH, ELECTRICAL BREAKER, AND WIRING ARE EXISTING TO REMAIN. RECONNECT EXISTING ELECTRICAL CONNECTIONS TO NEW WSHP.

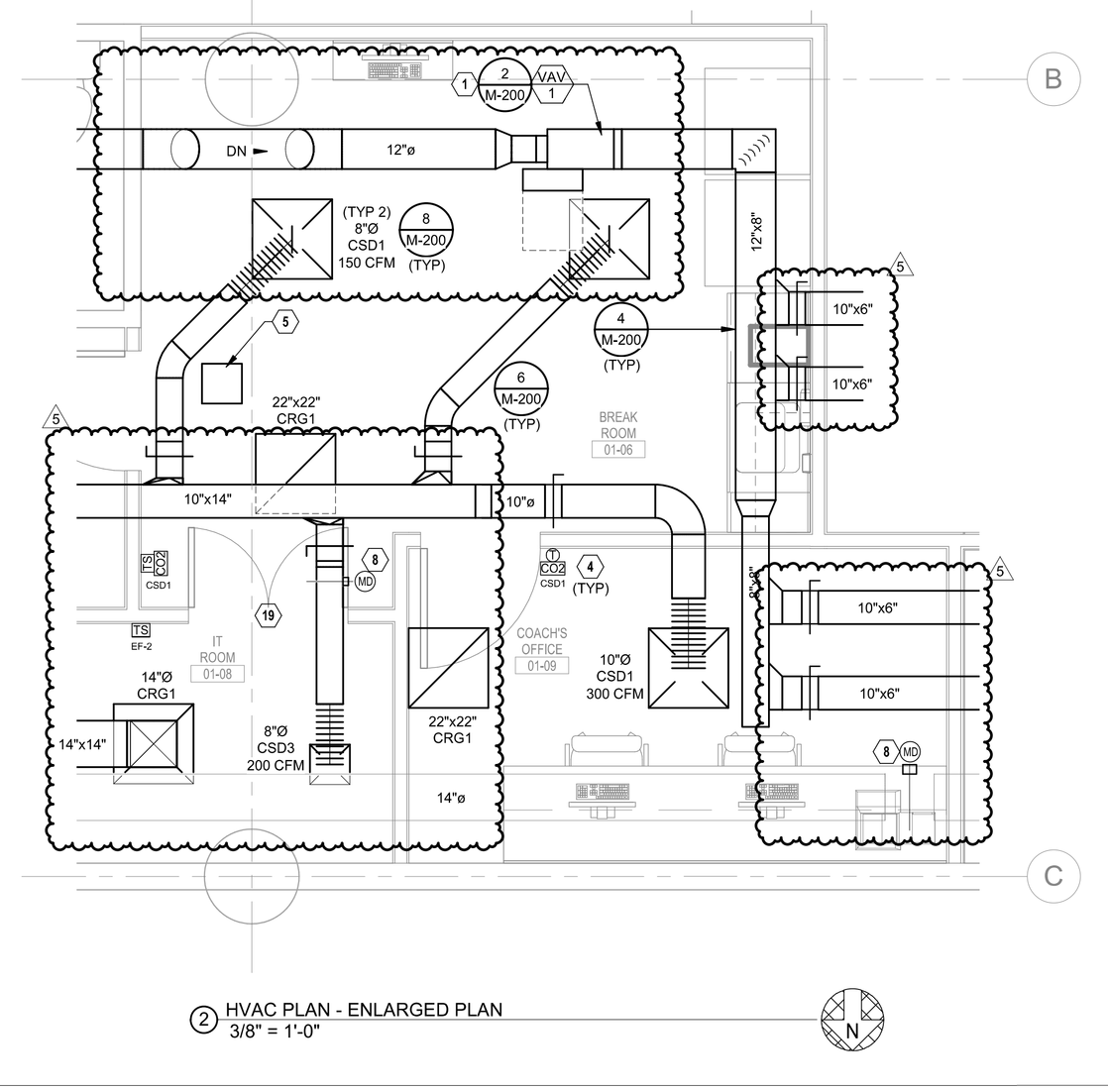
AS POSSIBLE, REUSE EXISTING EQUIPMENT SUPPORTS/HANGERS.

COORDINATE WSHP REPLACEMENT WITH EXISTING CEILINGS AND ARCHITECTURAL FIXTURES TO REDUCE UNNECCESARY DEMOLITION AND REPLACEMENT SCOPE.

ELECTRIC DUCT HEATER IS EXISTING TO REMAIN. RECONNECT INTERLOCK AND POWER AS EXISTING.



1 HVAC PLAN
3/16" = 1'-0"



2 HVAC PLAN - ENLARGED PLAN
3/8" = 1'-0"

THE DUCTWORK LAYOUT INDICATED ON THE DRAWINGS IS SCHEMATIC AND SHOWS DESIGNED INTENT ONLY. PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK, DIVISION 23 SHALL HAVE A QUALIFIED, EXPERIENCED SKETCHER PREPARE AND SUBMIT SHEET METAL SHOP DRAWINGS. SHOP DRAWINGS SHALL TAKE INTO ACCOUNT ALL EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO, STRUCTURAL MEMBERS, CONDUITS AND PIPING TO REMAIN. SHOP DRAWINGS SHALL ALSO TAKE INTO ACCOUNT ALL NEW DESIGN CONDITIONS, INCLUDING BUT NOT LIMITED TO, STRUCTURAL MEMBERS, PIPING, CEILINGS, SOFFIT HEIGHTS, AND LIGHT FIXTURES.

SHOP DRAWINGS SHALL INDICATE ALL REVISIONS TO THE LAYOUT REQUIRED TO ACCOMMODATE THE EXISTING CONDITIONS AND/OR MAINTAIN THE CEILING HEIGHTS AND CLEARANCES REQUIRED. NOTIFY THE ARCHITECT AND ENGINEER OF ANY LOCATION WHERE THE DESIGN INTENT CANNOT BE MET PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK. REVISIONS TO DUCTWORK, EQUIPMENT, CONDUIT AND/OR PIPING REQUIRED BY CONTRACTOR'S FAILURE TO SUBMIT PROPERLY PREPARED SHOP DRAWINGS SHALL BE THE RESPONSIBILITY OF DIVISION 23 AT NO ADDITIONAL COST TO THE CLIENT OR DELAY TO THE PROJECT SCHEDULE.

GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TO ARCHITECT, ENGINEER, LANDLORD, AND BUILDING OFFICIAL/INSPECTOR A FINAL TEST AND BALANCE REPORT PER THE SPECIFICATIONS. PROVIDE TEST AND BALANCE REPORT TO ARCHITECT, ENGINEER, AND LANDLORD PRIOR TO THE FINAL BUILDING INSPECTION.

TEMPERATURE CONTROLS:
EMS VENDOR SHALL FURNISH SENSORS AND CONTROL COMPONENTS AS INDICATED ON PLANS AND AS NECESSARY TO ACCOMPLISH THE INTENT OF THE DRAWINGS. ALL CONTROLS SHALL BE TIED INTO THE EMS SYSTEM UNLESS NOTED OTHERWISE.

GENERAL CONTRACTOR SHALL INSTALL CARRIER FURNISHED TEMPORARY THERMOSTATS AND FEED THE WIRING DOWN INTO THE SPACE FOR START UP AND CONTROL OF RTU(S) UNTIL THE EMS SYSTEM IS OPERABLE. REFER TO M3.0 FOR CARRIER CONTACT INFORMATION.

LANDLORD REQUIREMENTS:
LANDLORD APPROVED ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL CUTS THROUGH THE EXISTING ROOF, MODIFYING EXISTING OPENINGS, AND/OR ALTERING CURB FLASHING AT GENERAL CONTRACTOR'S EXPENSE. COORDINATE WITH GENERAL CONTRACTOR.

EMS CONTROLS:
CONTRACTORS ARE RESPONSIBLE FOR COORDINATING ALL EQUIPMENT CONTROLS WITH EMS VENDOR PRIOR TO PURCHASE AND INSTALLATION. CONTRACTORS SHALL COORDINATE WITH EMS VENDOR TO PROVIDE ALL NECESSARY EQUIPMENT AND ACCESSORIES FOR A FULLY FUNCTIONING SYSTEM.

EXISTING CONDITIONS:
WHERE EXISTING CONDITIONS DO NOT MATCH MECHANICAL PLANS, NOTIFY ARCHITECT AND COORDINATE WITH LANDLORD TO PROVIDE SYSTEM(S) AS DESIGNED ON THESE SHEETS. COORDINATE NEW WORK WITH EXISTING CONDITIONS PROVIDED BY LANDLORD.

5 PROVIDE RFID DUCTWORK MESH OVER TRANSFER GRILLS BELOW 15'-0" AFF BETWEEN THE STOCKROOM AND THE SALES FLOOR, IF APPLICABLE.

INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE NSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. NOTIFY CONSTRUCTION PROJECT MANAGER OF CONFLICTS.

MECHANICAL PLAN NOTES

1. ACCESS TO HVAC EQUIPMENT SHALL BE FROM LAY-IN CEILING. NO CEILING DEVICES SHALL BE PLACED IN THIS LOCATION. COORDINATE FINAL INSTALLED LOCATION SUCH THAT THE HVAC EQUIPMENT REMAINS ACCESSIBLE. VERIFY NO OTHER PIPING, ELECTRICAL CONDUIT, STRUCTURE, AND/OR CEILING SUPPORTS IMPEDE ACCESS IN ANY WAY. INSTALL HVAC EQUIPMENT WITHIN 24" ABOVE CEILING FOR SERVICEABILITY.
2. ROUTE SHEET METAL RETURN AIR DUCT AS SHOWN WITH TERMINATION DIRECTED UPWARD. SIZE PLENUM FULL SIZE OF RETURN AIR INLET UNLESS NOTED OTHERWISE. PROVIDE DUCT LINER IN RETURN AIR DUCTWORK FOR SOUND ATTENUATION. COVER INLET WITH 1/2"X1/2" BIRD SCREEN.
3. CONNECT EXHAUST AIR DUCTWORK TO EXISTING LOUVER. TRANSITION DUCTWORK AS REQUIRED.
4. THERMOSTATS AND SENSORS FURNISHED BY EMS VENDOR AND INSTALLED BY DIVISION 26 UNLESS NOTED OTHERWISE.
5. INSTALL VAV POWER MODULE FOR CONTROL OF OFFICE VAV DIFFUSERS IN AN ACCESSIBLE LOCATION ABOVE THE CEILING. DIVISION 26 CONTRACTOR SHALL PROVIDE 120V POWER TO MODULE. REFER TO ELECTRICAL DRAWINGS FOR DETAILS.
6. PROVIDE REMOTE CABLE OPERATED DAMPER. REFER TO DETAILS FOR ADDITIONAL INFORMATION.
7. ROUTE DUCTWORK ABOVE HVAC EQUIPMENT ACCESS SPACE. TRANSITION IN FIELD AS REQUIRED.
8. INSTALL DAMPER AND ACTUATOR IN LOCATION INDICATED. DAMPER FURNISHED BY DIVISION 23. ACTUATOR FURNISHED BY EMS VENDOR.
9. PROVIDE NEW INLINE SUPPLY FAN AS SCHEDULED FOR OUTSIDE AIR SUPPLY. FAN SHALL BE CONTROLLED BY FAN SPEED CONTROLLER AND STATIC PRESSURE LOCATED IN DOWNSTREAM DUCTWORK. COORDINATE CONTROLS WITH EMS VENDOR PRIOR TO PURCHASE AND INSTALLATION.
10. PROVIDE DUCT STATIC PRESSURE SENSOR IN LOCATION SHOWN FOR CONTROL OF OUTSIDE AIR SUPPLY FAN. COORDINATE CONTROLS WITH EMS VENDOR PRIOR TO CONSTRUCTION.
11. INSTALL DUCT-MOUNTED DIFFUSERS WITH BLADES ANGLED AT 22.5° TOWARDS THE SALES FLOOR.
12. INSTALL SMOKE DETECTOR UPSTREAM OF OUTSIDE AIR CONNECTION. INSTALL SMOKE DETECTOR IN THE VERTICAL IF REQUIRED.
13. ELECTRIC DUCT HEATER IS EXISTING TO REMAIN. CONNECT NEW DUCTWORK TO EXISTING HEATER.
14. ALL DUCTWORK SHALL BE MINIMUM 15'6" ABOVE FINISHED FLOOR. NOTIFY ARCHITECT OF ANY DUCTWORK REQUIRING TO BE INSTALLED LOWER THAN HEIGHT SPECIFIED DUE TO SPRINKLER MAIN CONFLICTS. TRANSITION DUCTWORK AS NEEDED.
15. EXHAUST FAN SERVES TO PROVIDE TRANSFER AIR ONLY AND SHALL DISCHARGE AIR INTO THE STOCKROOM.
16. PROVIDE GRILLE ON WALL FOR TRANSFER AIR. MOUNT AS HIGH AS POSSIBLE WITHIN STRUCTURE.
17. DO NOT INSTALL SENSORS ON WALL GRAPHICS. CONFIRM LOCATIONS OF SENSORS WITH PM PRIOR TO INSTALL.
18. COORDINATE FINAL INSTALLED LOCATION SUCH THAT THE HVAC EQUIPMENT REMAINS ACCESSIBLE. VERIFY NO OTHER PIPING, ELECTRICAL CONDUIT, STRUCTURE, AND/OR CEILING SUPPORTS IMPEDE ACCESS IN ANY WAY. INSTALL HVAC EQUIPMENT WITHIN 16'-0" ABOVE FINISHED FLOOR FOR SERVICEABILITY. CONDENSER WATER PIPING SHALL BE ROUTED AS CLOSE TO DECK AS POSSIBLE. LANDLORD SHALL PROVIDE CHASE FOR REFRIGERANT LINES AND INFORM ENGINEER OF FINAL DEVELOPED LENGTH.
19. LOUVERED DOOR FOR RELIEF AIR BY GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
20. WALL SHALL NOT BE FULL HEIGHT TO ALLOW FOR SERVICE OF HVAC UNIT.
21. WATER SOURCE HEAT PUMP AND ASSOCIATED ELECTRIC DUCT HEATER SHALL BE ACCESSIBLE FROM CEILING SUPPLY DIFFUSER. COORDINATE ADDITIONAL CEILING ACCESS PANEL WITH ARCHITECT, AS REQUIRED.
22. ROUTE DUCT SALES FLOOR DUCTWORK UP AND AT THE SAME ELEVATION THROUGHOUT EXPOSED SALES FLOOR AREAS.
23. CONNECT NEW OUTSIDE AIR DUCTWORK TO EXISTING LOUVER AT STOREFRONT. COORDINATE DUCT ROUTING AS HIGH AS POSSIBLE TO NEW IN-LINE SUPPLY FAN.
24. INSTALL SUPPLY FAN ABOVE ADJACENT EXHAUST FAN SUCH THAT BOTH ARE FULLY ACCESSIBLE, NO EXCEPTIONS.
25. DO NOT ROUTE DUCTWORK OVER ELECTRICAL EQUIPMENT.

NIKE FY25 HVAC REPLACEMENT.

PONCE CITY MARKET
ATLANTA, GA

HENDERSON ENGINEERS

ISSUE DATE:
08/30/2024

FOR REFERENCE ONLY

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GA. CORPORATE NO: PEF002734
EXPIRES 6/30/2022

IN CONSIDERATION OF RECEIVING DRAWINGS FROM SSUPERETTE DESIGN LLC IN AN ELECTRONIC FORM, THE RECIPIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO HOLD HARMLESS AND INDEMNIFY SSUPERETTE DESIGN LLC FROM AND AGAINST ALL CLAIMS, LIABILITIES, LOSSES, DAMAGES, AND COSTS, INCLUDING BUT NOT LIMITED TO ATTORNEY'S FEES, ARISING OUT OF, OR IN ANY WAY CONNECTED WITH THE USE, RE-USE, MIS-USE, MODIFICATION, OR MISINTERPRETATION OF THE MACHINE-READABLE INFORMATION PROVIDED BY SSUPERETTE DESIGN LLC UNDER THIS AGREEMENT.

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ATLANTA, GA 30308

MECHANICAL HVAC PLAN

FOR REFERENCE ONLY

DATE	Issue Date
PROJ #	20063
SCALE	As indicated

M-100

JUSTIN M. OLDER