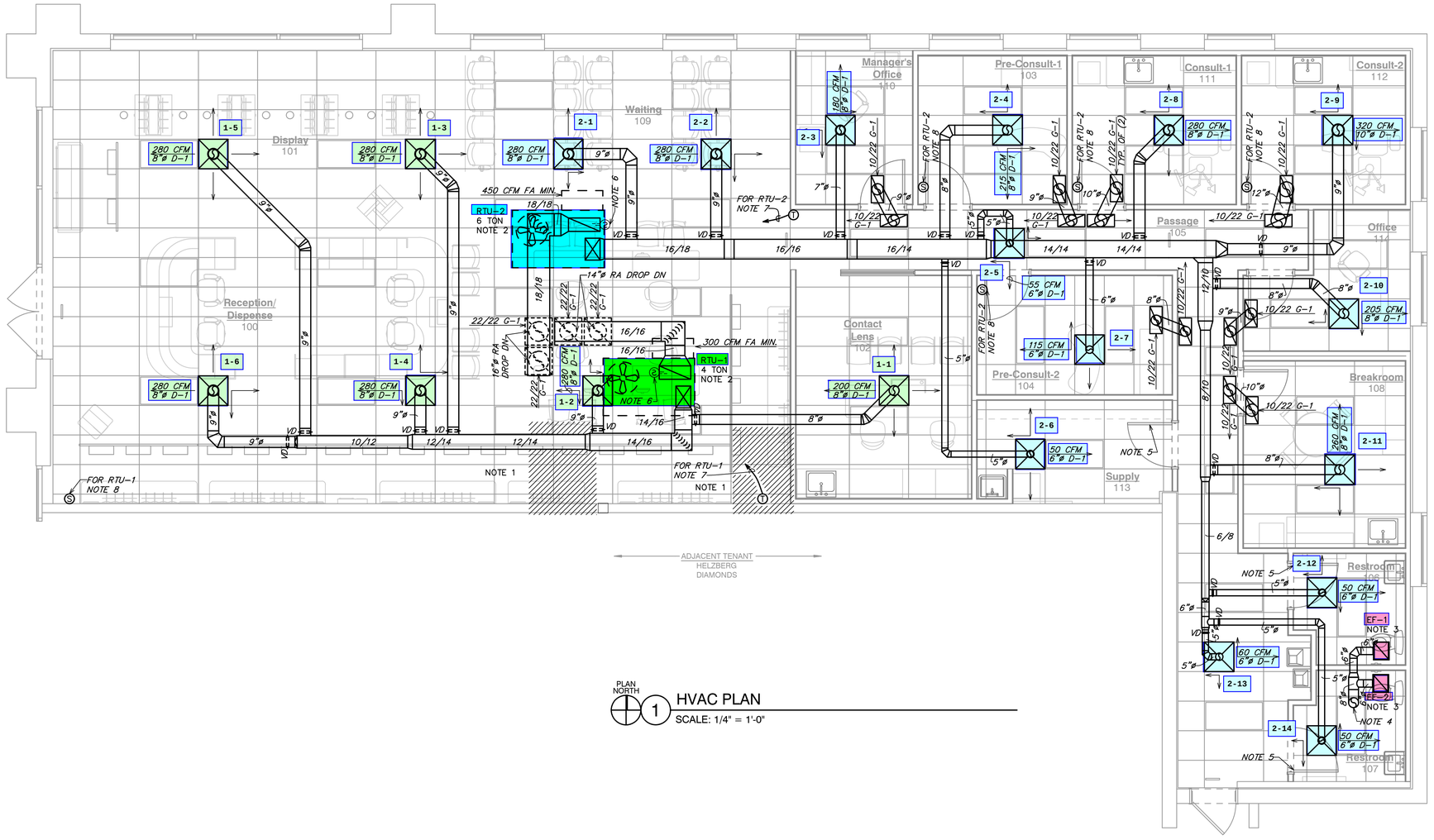

PLAN NORTH

1 HVAC PLAN

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

DEMOLISH ALL EXISTING DUCTWORK IN THE DEMISED SPACE. NO EXISTING DUCTWORK IS DESIGNATED FOR REUSE.

PRE–PURCHASED ROOFTOP UNITS:

PACKAGED ROOFTOP UNITS, AS INDICATED ON MECHANICAL SCHEDULE, WILL BE PRE–PURCHASED BY NATIONAL VISION. REFERENCE THE ATTACHED CARRIER RTU SUBMITTALS FOR INFORMATION ON THE EXACT UNIT(S) THAT IS BEING PROVIDED.

CARRIER IS NOT PROVIDING ROOF CURBS OF ANY KIND. THIS IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. CURB SPECIFICATIONS ARE INCLUDED ON THE MECHANICAL SCHEDULES.

SHIPPING INFORMATION:

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE CARRIER WITH A SHIPPING ADDRESS AND CONTACT PHONE NUMBER FOR THE ROOFTOP UNITS WITHIN 10 BUSINESS DAYS OF CONTRACT AWARD.

EXACT DELIVERY TIMES ARE NOT AVAILABLE. LOGISTICS CARRIER WILL CALL CONTRACTOR PROVIDED PHONE NUMBER 48 HOURS PRIOR TO UNIT DELIVERY. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ACCEPT AND OFFLOAD UNITS, INCLUDING ANY ASSOCIATED FORKLIFT, CRANE, OR STORAGE REQUIREMENTS AND COSTS.

ROOFTOP UNITS WILL BE DELIVERED IN ACCORDANCE WITH PRE–DETERMINED FIXTURE DATES ESTABLISHED BY CUSHMAN & WAKEFIELD AND PROVIDED TO CARRIER. CARRIER CANNOT ACCOMMODATE EARLIER SHIPMENT REQUESTS FROM CONTRACTORS. IF EARLIER SHIPMENT DATES ARE REQUIRED, ANY REQUESTS MUST BE MADE VIA CUSHMAN & WAKEFIELD.

HVAC GENERAL NOTES

A. EXISTING CONDITIONS ARE BASED ON RECORD DRAWINGS PROVIDED BY THE OWNER AND/OR LIMITED FIELD VERIFICATION BY OTHERS. CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE PROJECT.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THE BID. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY EXTRAS DUE TO THE CONTRACTOR'S FAILURE TO VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR RESOLUTION.

C. ALL CONTRACTORS SHALL REVIEW A COMPLETE SET OF CONSTRUCTION DOCUMENTS.

D. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH DEMOLITION WORK PRIOR TO BIDDING AND START OF WORK. CONTRACTOR IS RESPONSIBLE TO DEMOLISH ALL EXISTING AS REQUIRED FOR INSTALLATION/CONSTRUCTION OF NEW WORK.

E. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE GOVERNMENT AND LOCAL CODES.

F. MECHANICAL CONTRACTOR SHALL FIELD COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL POWER REQUIREMENTS.

G. ALL CONTRACTORS SHALL REVIEW A COMPLETE SET OF CONSTRUCTION DOCUMENTS AND COOPERATE WITH THE OTHER TRADES SO THAT THE INSTALLATION OF ALL EQUIPMENT MAY BE PROPERLY COORDINATED.

H. ALL EQUIPMENT FURNISHED SHALL FIT THE SPACE AVAILABLE WITH CONNECTIONS IN THE REQUIRED LOCATIONS AND WITH ADEQUATE SPACE FOR OPERATING AND SERVICING. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATE THE INTENT OF THE INSTALLATION WHILE THE SPECIFICATIONS AND EQUIPMENT LIST DENOTE THE TYPE AND QUALITY OF MATERIAL AND WORKMANSHIP TO BE USED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. WHERE A CONFLICT EXISTS BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE HIGHER AND/OR MORE COSTLY STANDARD WILL APPLY. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER WHOSE DECISION SHALL BE FINAL. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY IN THIS REGARD ON BEHALF OF THE CONTRACTOR AFTER AWARD OF THE CONTRACT.

I. COORDINATE DUCT ROUTING AND HEIGHTS WITH GENERAL CONTRACTOR. VERIFY ALL CLEARANCES BEFORE STARTING WORK.

J. THE CONTRACTOR SHALL INSTALL ALL PIPING, DUCTWORK AND EQUIPMENT AS REQUIRED TO CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE CEILING HEIGHTS AND HEADROOM AND MAKE ALL EQUIPMENT REQUIRING MAINTENANCE OR REPAIR ACCESSIBLE.

K. ALL DUCT CONNECTIONS TO HVAC EQUIPMENT MUST BE MADE WITH FLEXIBLE CONNECTORS.

L. DO NOT ATTACH ANYTHING TO DECK ABOVE. ATTACH TO STRUCTURE (i.e. BEAMS, JOISTS) ONLY. DUCT HANGERS SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE. ALL CONNECTIONS TO JOISTS SHALL BE MADE AT THE TOP CORD.

M. ALL DUCT DIMENSIONS INDICATED ARE CLEAR INSIDE DIMENSIONS. ALL SUPPLY AND UNTEMPERED OUTDOOR AIR DUCTWORK SHALL BE LINED WITH 1" ACOUSTICAL DUCT LINER OR WRAPPED WITH 1–1/2" THICK FIRE RETARDANT FIBERGLASS WITH A REINFORCED ALUMINUM FOIL JACKET AND SHALL BE APPROVED FOR USE BY SMACNA AND NAIMA. RETURN AIR TRANSFER DUCTS AND RETURN DUCTWORK WITHIN 10 FEET OF THE UNIT FAN SHALL BE LINED WITH 1" ACOUSTICAL DUCT LINER.

N. TENANT'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD VERIFICATION OF ALL UTILITY RUNS AND/OR OTHER IMPROVEMENTS LOCATED ON THE PREMISES PRIOR TO BIDDING. TENANT'S CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL COSTS RELATING TO THE RELOCATION OF, DAMAGE TO, REPAIR OF ANY EXISTING UTILITY RUNS AND/OR IMPROVEMENTS WHICH ARE DAMAGED AS A RESULT OF TENANT'S WORK IN OR AROUND THE PREMISES.

O. ALL ROOFING WORK SHALL BE PERFORMED BY LANDLORD'S APPROVED ROOFING CONTRACTOR AT TENANT'S EXPENSE, IF REQUIRED IN LEASE OR TENANT CRITERIA MANUAL.

P. ROOF MOUNTED EQUIPMENT SHALL BE LABELED WITH THE TENANT NAME AND SPACE NUMBER WITH 3" HIGH WEATHER PROOF LETTERS.

Q. MECHANICAL CONTRACTOR SHALL PROVIDE TENANT WITH A WRITTEN ONE (1) YEAR MANUFACTURER'S WARRANTY ON ALL HVAC EQUIPMENT PROVIDED AND / OR INSTALLED. THE WARRANTY SHALL INCLUDE ALL LABOR, MATERIALS AND THREE (3) ROUTINE SERVICES INCLUDING FILTER CHANGES DURING A ONE (1) YEAR PERIOD.

R. AT THE COMPLETION OF CONSTRUCTION AN NEBB, AABC OR TABB CERTIFIED AIR BALANCE REPORT SHALL BE SUBMITTED TO THE ENGINEER AND LANDLORD. THE BALANCING MUST BE COMPLETED BY AN INDEPENDENT, THIRD PARTY CONTRACTOR WITH NO TIES TO THE INSTALLING CONTRACTORS.

S. THE CONTRACTOR SHALL OBTAIN A COPY OF THE LANDLORD'S TENANT CRITERIA MANUAL. TENANT CRITERIA MANUAL IS AN INTEGRAL PART OF THIS CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH LANDLORD REQUIREMENTS AT NO ADDITIONAL COST TO THE TENANT.

T. PARTS OF THE BASE BUILDING SYSTEMS THAT FALL INTO LEASE LINE SHALL REMAIN UNDISTURBED UNLESS NOTED OTHERWISE.

U. PROVIDE ALL NECESSARY WIRING, RELAYS, DETECTORS, COMPONENTS, ETC., FOR FIRE ALARM OR CONTROL SYSTEM INTERLOCK IF APPLICABLE. VERIFY WITH MALL PERSONNEL BEFORE BID.

HVAC PLAN NOTES

1. EXISTING CARRIER 48LJEC06520 ROOFTOP UNIT AND ASSOCIATED CURB TO BE REMOVED. REFER TO ARCHITECTURAL PLANS FOR ROOF REPAIR REQUIREMENTS.
2. PROVIDE NEW ROOFTOP UNIT AND FLAT CURB AS SHOWN ON PLANS AND SCHEDULED ON SHEET M2.
3. PROVIDE NEW EXHAUST FAN AS NOTED ON PLANS AND AS SCHEDULED ON SHEET M2.
4. PROVIDE 8"ø EXHAUST AIR DUCT UP TO GREENHECK ROOF CAP MODEL RCC–7. CONTRACTOR SHALL FIELD VERIFY THAT THE LOCATION SHOWN IS A MINIMUM OF 10'–0" FROM ANY OUTDOOR AIR INTAKE. COORDINATE ROOF CAP PAINT COLOR WITH ARCHITECT AND OWNER.
5. CONTRACTOR SHALL UNDERCUT DOOR 3/4".
6. DUCT SMOKE DETECTOR ON RETURN SIDE DUCT AND SHUTDOWN RELAY SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. ALL WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR.
7. PROVIDE NEW HONEYWELL "COMMERCIAL VISIONPRO 8000", MODEL NUMBER TH8320R1003, FULLY DIGITAL 7 DAY PROGRAMMABLE AVERAGING TYPE THERMOSTAT WITH SENSING SUB–BASE, REMOTE SENSING CAPABILITIES, AUTO CHANGE OVER, AND AUTO SET BACK. MOUNT THERMOSTAT AT 48" ABOVE FINISHED FLOOR. COORDINATE LOCATION WITH WALL GRAPHICS LAYOUT.
8. PROVIDE REMOTE TEMPERATURE SENSOR FOR TEMPERATURE AVERAGING TO COMMUNICATE WITH CORRESPONDING THERMOSTAT FOR RTU SERVING THE SPACE. MOUNT SENSOR AT 48" ABOVE FINISHED FLOOR.

LEGEND

- EXISTING
- NEW WORK
- NEW TO EXISTING CONNECTION

SE JOB#: 230456

Professional Seal:

BID & LLD APPROVAL SET JUNE 12, 2023

Project Title:

America's Best Contacts & Eyeglasses

Dayton, OH

Miami Crossing, 2280 Miamisburg Centerville Rd, Dayton, OH 45459

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No.	Description	Date

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