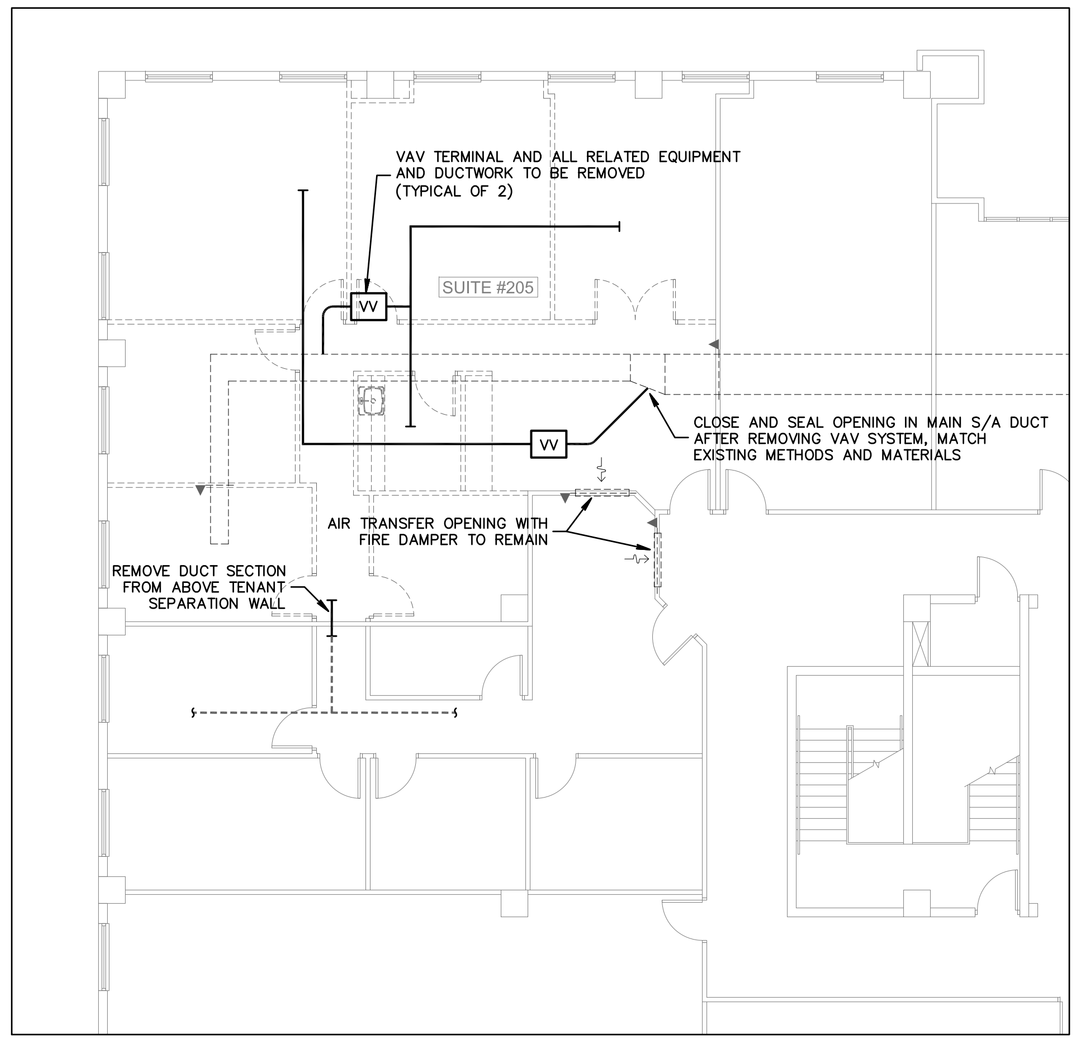



PARTIAL HVAC FLOOR PLAN - EXISTING

SCALE: 1/8" = 1'-0"

## HVAC CONTROLS NOTE

AIR CONDITIONING CONTRACTOR SHALL PROVIDE OR CAUSE TO BE PROVIDED ALL CONTROLS, CONTROL WIRING & CONDUIT, POWER WIRING & CONDUIT, AND ALL OTHER ITEMS NECESSARY FOR INSTALLATION AND CONTROL OF VARIABLE AIR VOLUME TERMINAL UNITS. IN ADDITION CONTRACTOR SHALL PROVIDE INTERFACE WITH THE EXISTING EMS SYSTEM COMPUTER GRAPHICALLY DEPICTING MECHANICAL LAYOUT WITH ON SCREEN DISPLAYS THAT ARE CONTROLLED BY THE EXISTING ANDOVER ENERGY MANAGEMENT SYSTEM (EMS). PROGRAMMING IS TO ALSO INCLUDE INTERFACE TO EXISTING PROGRAM DESIGNED TO CALCULATE TENANT OVERTIME USAGE OF THE AIR CONDITIONING SYSTEM. CONTACT BUILDING CONTROLS CONTRACTOR FOR SPECIFICATIONS AND DETAILS. A COMPLETE AND OPERATIONAL CONTROL SYSTEM IS TO BE PROVIDED FOR THE ENTIRE TENANT SPACE. VERIFY WITH CONTROLS CONTRACTOR ANY ADDITIONAL DETAILS WHICH MUST BE INCLUDED, PRIOR TO BID.

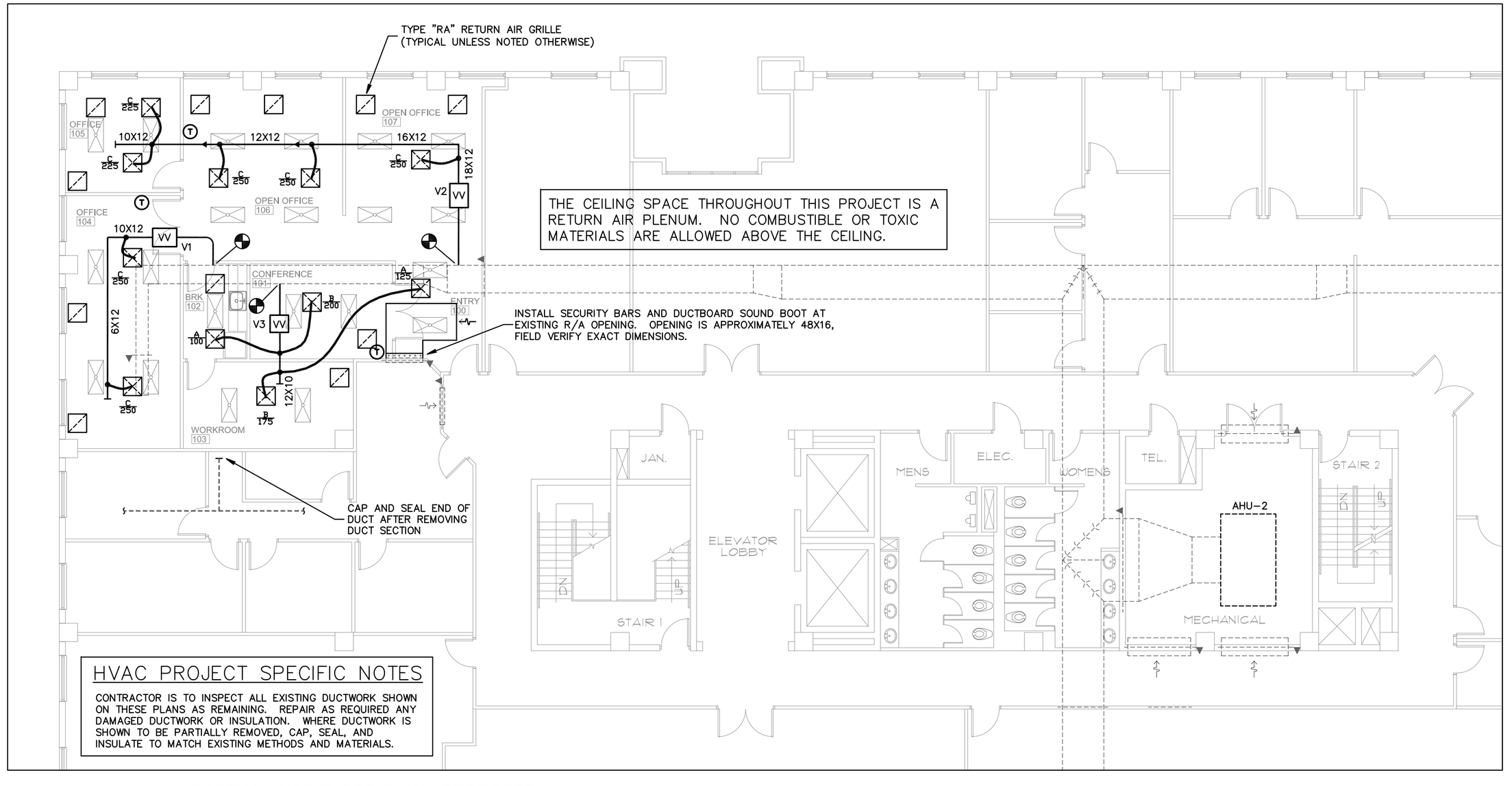
CONTRACTOR IS TO PROVIDE CONTROLS AS NOTED ABOVE FOR ALL NEW VAV TERMINAL BOXES SHOWN ON THESE PLANS.

## ABBREVIATIONS

| | |
|---|---|
| VAV | VARIABLE AIR VOLUME |
| S/A | SUPPLY AIR |
| R/A | RETURN AIR |
| O/A | OUTSIDE AIR |
| E/A | EXHAUST AIR |
| CFM | CUBIC FEET PER MINUTE. |
| MVD | MANUAL VOLUME DAMPER (OPPOSED BLADE TYPE). |
| FD | FIRE DAMPER |
| AHU | AIR HANDLING UNIT |
| CU | CONDENSING UNIT |
| E | EXISTING |
| R | RE-LOCATED |

## SYMBOL LEGEND

- VAV TERMINAL UNIT AS NOTED
- EXISTING EQUIPMENT AS NOTED
- SUPPLY AIR DIFFUSER AS NOTED
- RETURN/TRANSFER GRILLE AS NOTED
- DUCTWORK AS NOTED
- DUCT TRANSITION
- TAKE-OFF WITH VOLUME DAMPER FOR FLEXIBLE DUCT
- TYPE B FIRE DAMPER W/ACCESS DOOR.
- MANUAL VOLUME DAMPER
- THERMOSTAT AS NOTED
- FLEXIBLE DUCT, U.L. CLASS 1
- OVERTIME A/C CARD READER
- CONNECTION TO EXISTING EQUIPMENT




## HVAC PROJECT SPECIFIC NOTES

CONTRACTOR IS TO INSPECT ALL EXISTING DUCTWORK SHOWN ON THESE PLANS AS REMAINING. REPAIR AS REQUIRED ANY DAMAGED DUCTWORK OR INSULATION. WHERE DUCTWORK IS SHOWN TO BE PARTIALLY REMOVED, CAP, SEAL, AND INSULATE TO MATCH EXISTING METHODS AND MATERIALS.

PARTIAL HVAC FLOOR PLAN - PROPOSED

SCALE: 1/8" = 1'-0"

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BOCA RATON, FL
PROJECT NUMBER 260015

REVISIONS
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DRAWN BY DR

CD

2-4-13

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