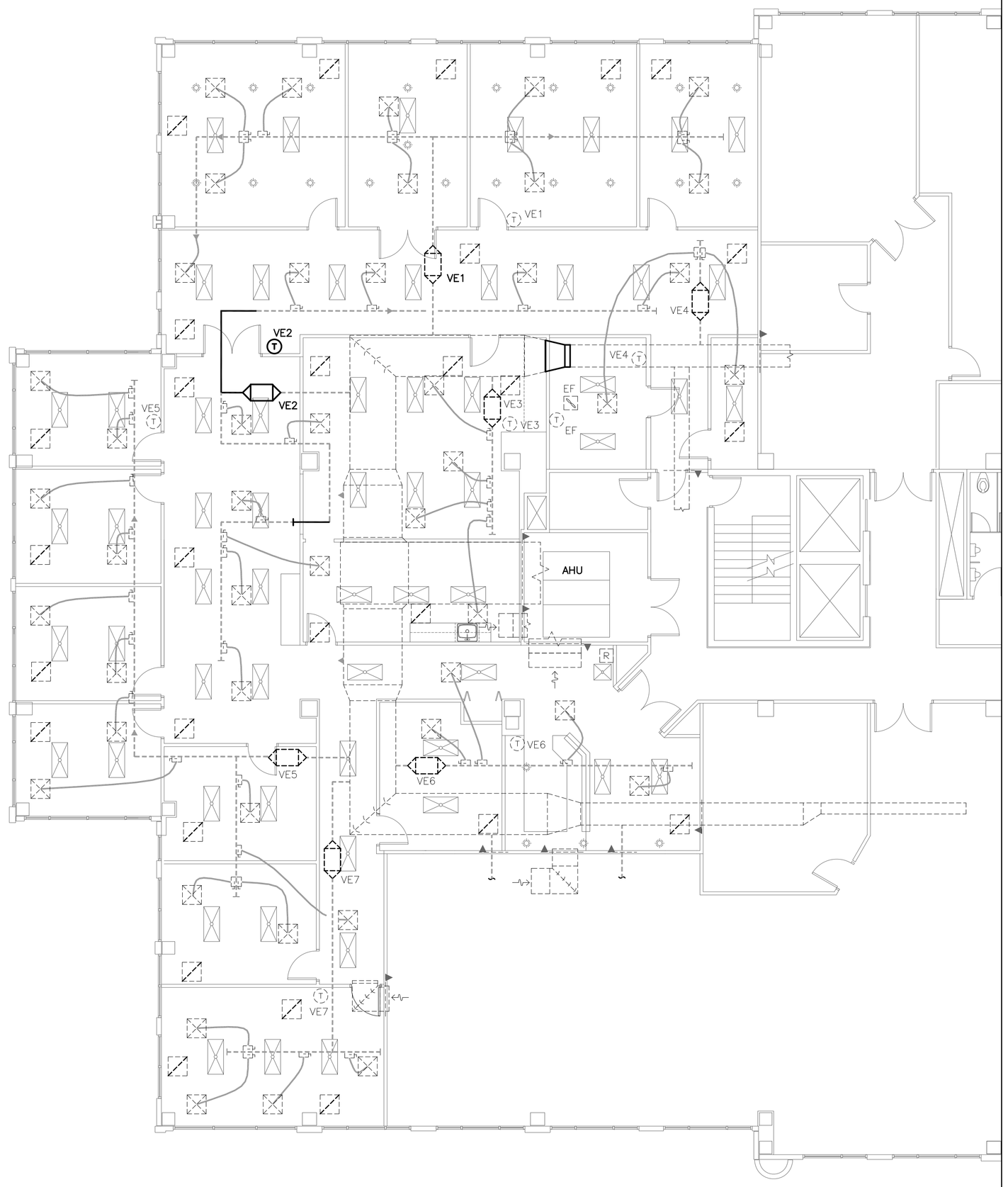
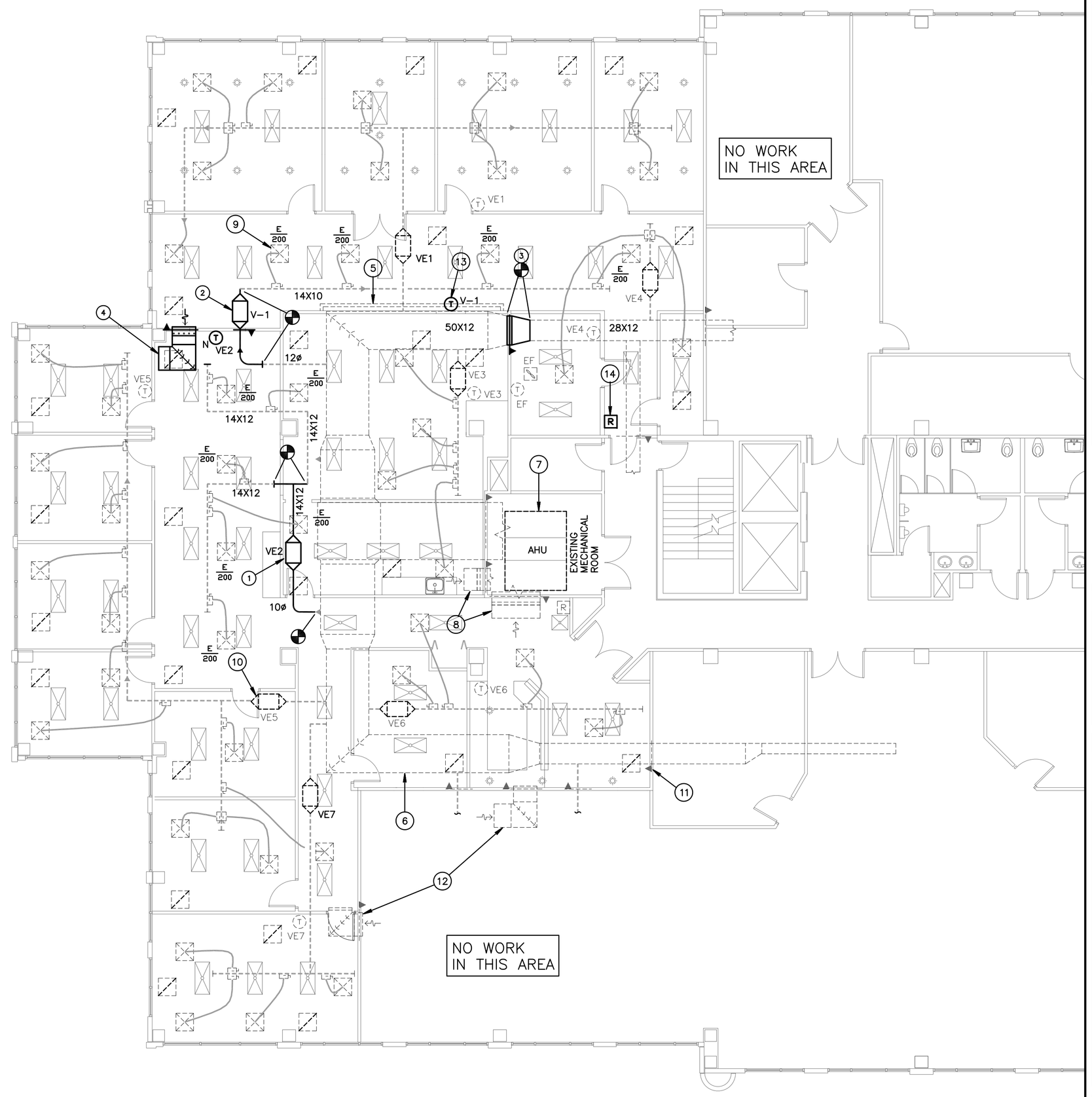


HVAC PARTIAL 2ND FLOOR PLAN - EXISTING

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



HVAC PARTIAL 2ND FLOOR PLAN - PROPOSED

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

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
E	EXISTING TO REMAIN
R	EXISTING TO BE RE-LOCATED
N	NEW LOCATION OF EXISTING EQUIPMENT

SYMBOL LEGEND

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

DRAWING KEYNOTES:

1. EXISTING VAV TERMINAL BOX TO BE RE-LOCATED. SET MAXIMUM AIR QUANTITIES AS SHOWN. SET MINIMUM AIR QUANTITY TO 40% OF MAXIMUM, OR LARGER IF REQUIRED FOR HEAT STRIP OPERATION. FIELD VERIFY (TYPICAL)
2. NEW VAV TERMINAL BOX CONNECTED TO EXISTING SUPPLY AIR DUCTS. PROVIDE DUCT TRANSITIONS AND OUTLET CONFIGURATION AS REQUIRED, FIELD VERIFY.
3. FIRE DAMPER IN EXISTING MAIN SUPPLY AIR DUCT AT NEW TENANT SEPARATION WALL. FIELD VERIFY EXACT SIZE REQUIRED TO MAINTAIN DUCT CLEAR SPACE AT TRANSITION.
4. PROVIDE 32X16 AIR TRANSFER OPENING WITH FIRE DAMPER, SECURITY BARS AND DUCTBOARD ELBOW AS SHOWN.
5. PROVIDE OFFSET OF FIRE RATED WALL ABOVE CEILING AS REQUIRED AROUND EXISTING MAIN SUPPLY AIR DUCT.
6. EXISTING MAIN SUPPLY AIR DUCT TO REMAIN AS IS, (SHOWN FOR REFERENCE ONLY).
7. EXISTING CENTRAL AIR HANDLING UNIT TO REMAIN AS IS. (SHOWN FOR REFERENCE ONLY).
8. EXISTING MAIN R/A DUCTS, OPEN END INTO PLENUM CEILING TO REMAIN AS IS, SHOWN FOR REFERENCE ONLY.
9. EXISTING AIR DEVICE TO BE RE-BALANCED AS SHOWN. (TYPICAL FOR VE2 AND V-1)
10. EXISTING VAV TERMINAL BOX TO REMAIN AS IS, NO WORK. (TYPICAL EXCEPT WHERE NOTED OTHERWISE)
11. EXISTING FIRE DAMPER TO REMAIN AS IS (TYPICAL).
12. EXISTING R/A TRANSFER OPENING W/ SECURITY BARS & SOUND BOOT, TO REMAIN AS IS.
13. NEW THERMOSTAT TO MATCH EXISTING, FIELD VERIFY.
14. PROVIDE NEW OVERTIME A/C CARD READER, MATCH EXISTING EQUIPMENT, COORDINATE WITH EMS SUPPLIER.

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PROJECT NUMBER 712105

REVISIONS
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DRAWN BY GDR

CD

02/02/10

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