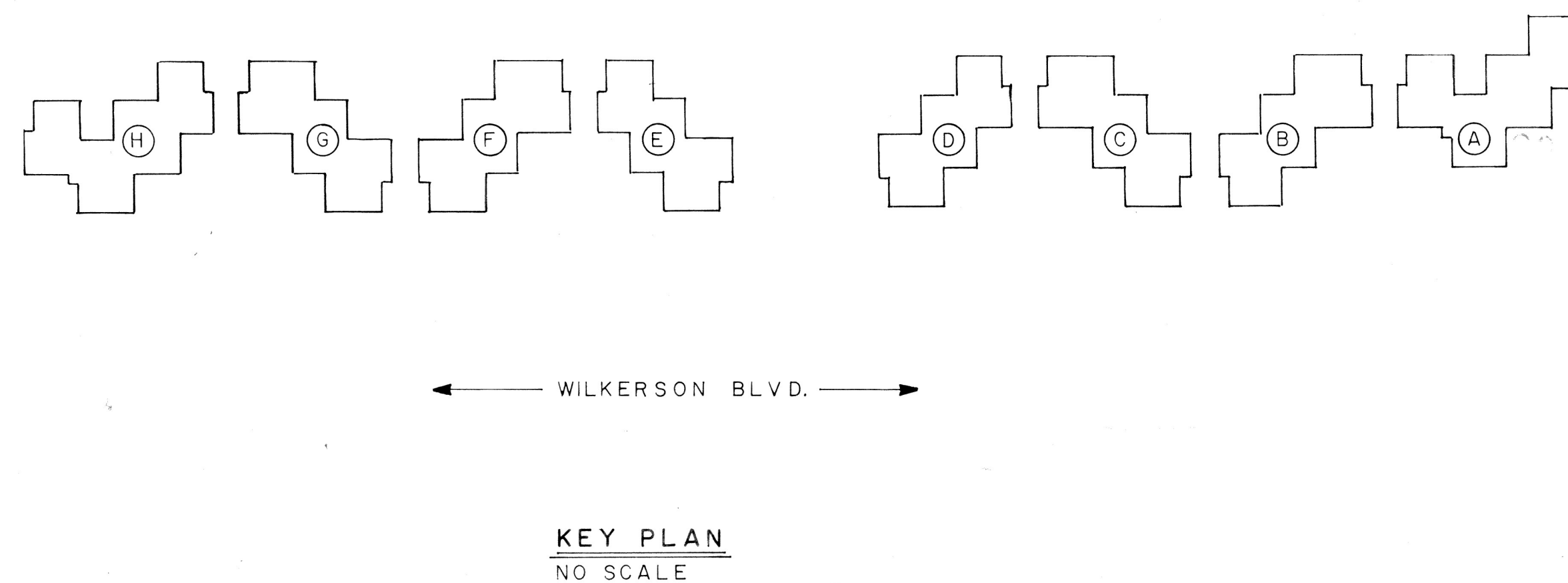
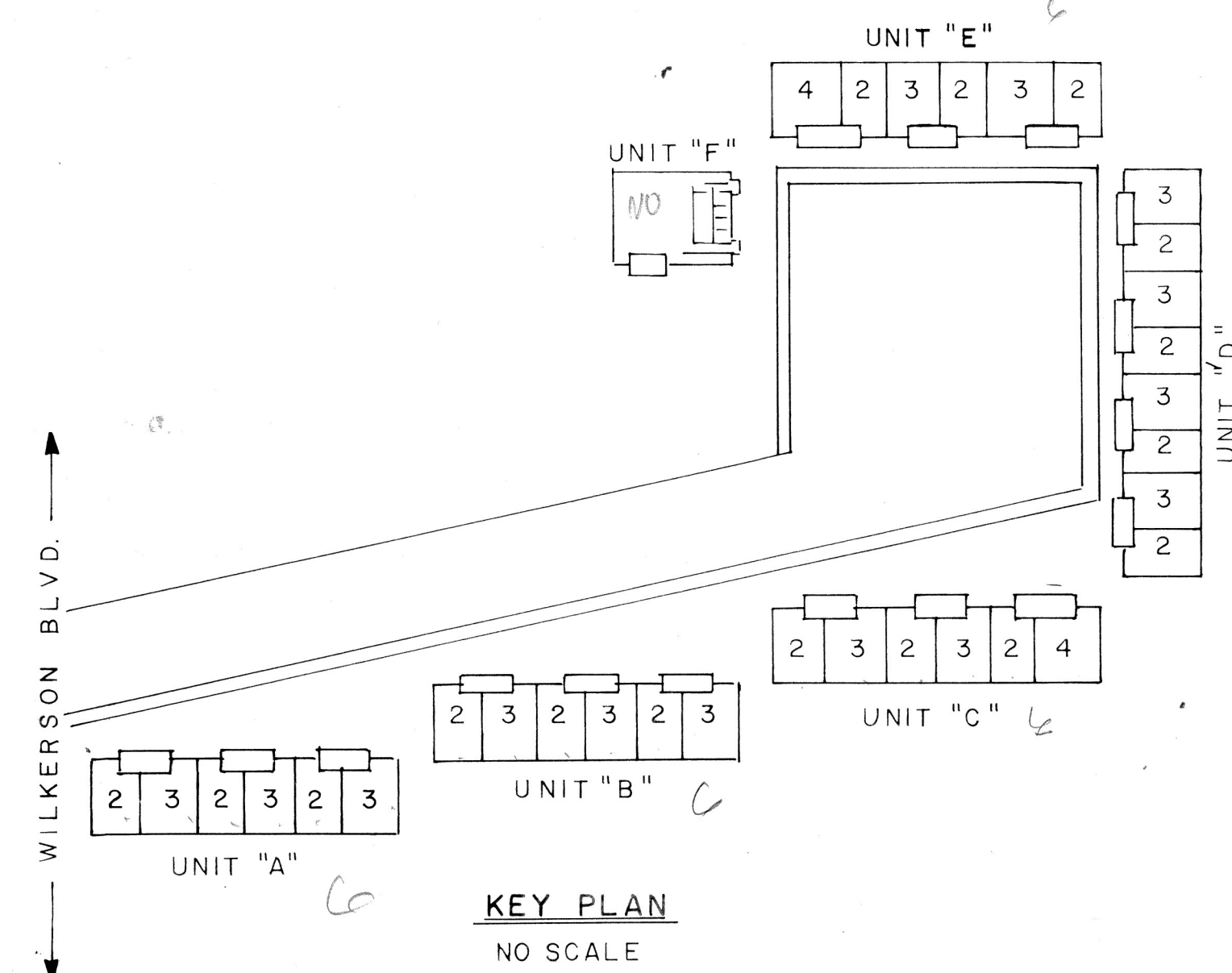


# HOUSING AUTHORITY OF FRANKFORT, KY

## PROJECT KY3-904

### FURNACE REPLACEMENT

Contractor: Cross Country Company  
By: *Paul Nally*  
Paul Nally, Secretary/Treasurer  
Owner: Housing Authority of Frankfort  
By: *Michael A. Fields*  
Michael A. Fields, Contracting Officer

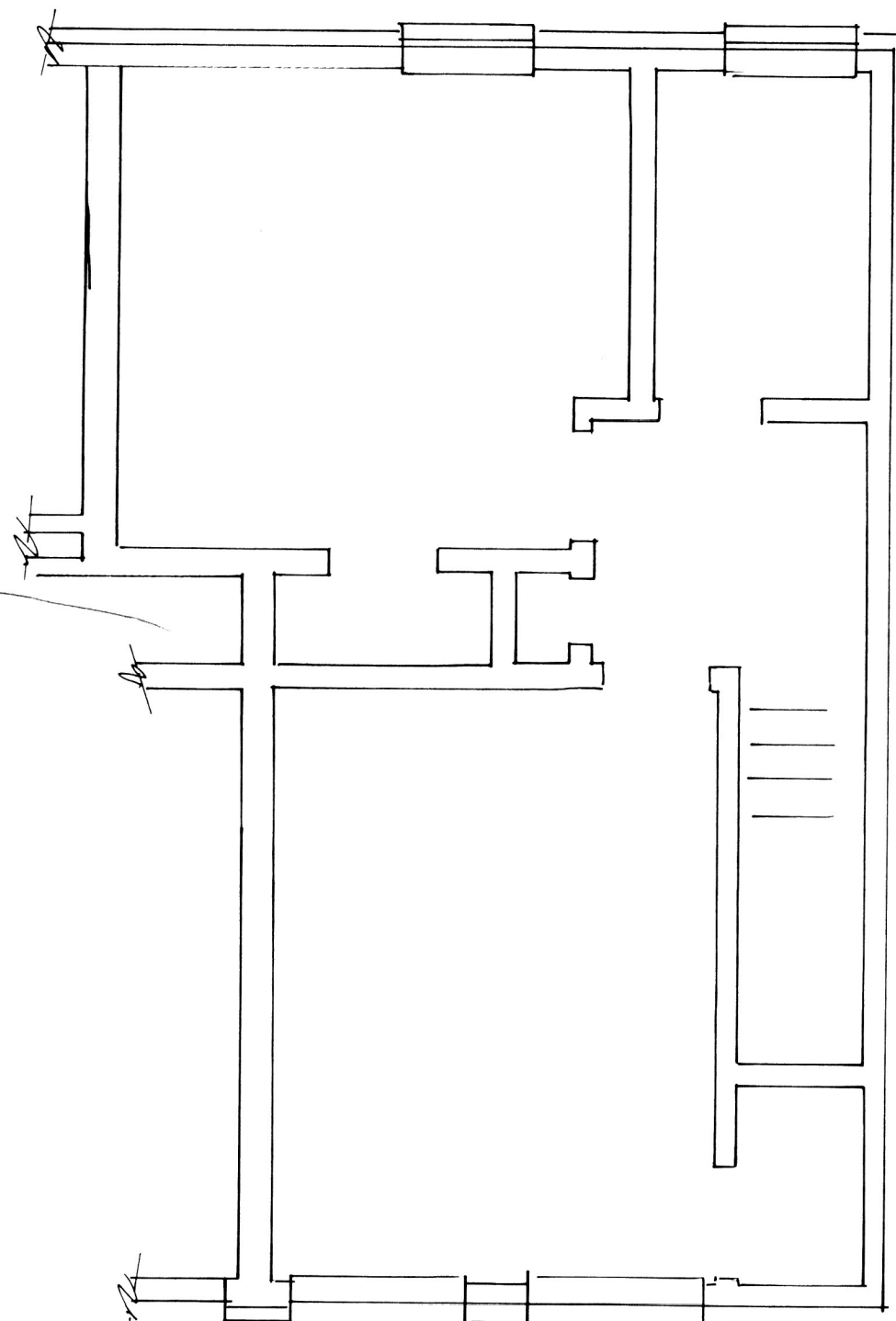


O & W ASSOCIATES, INC.

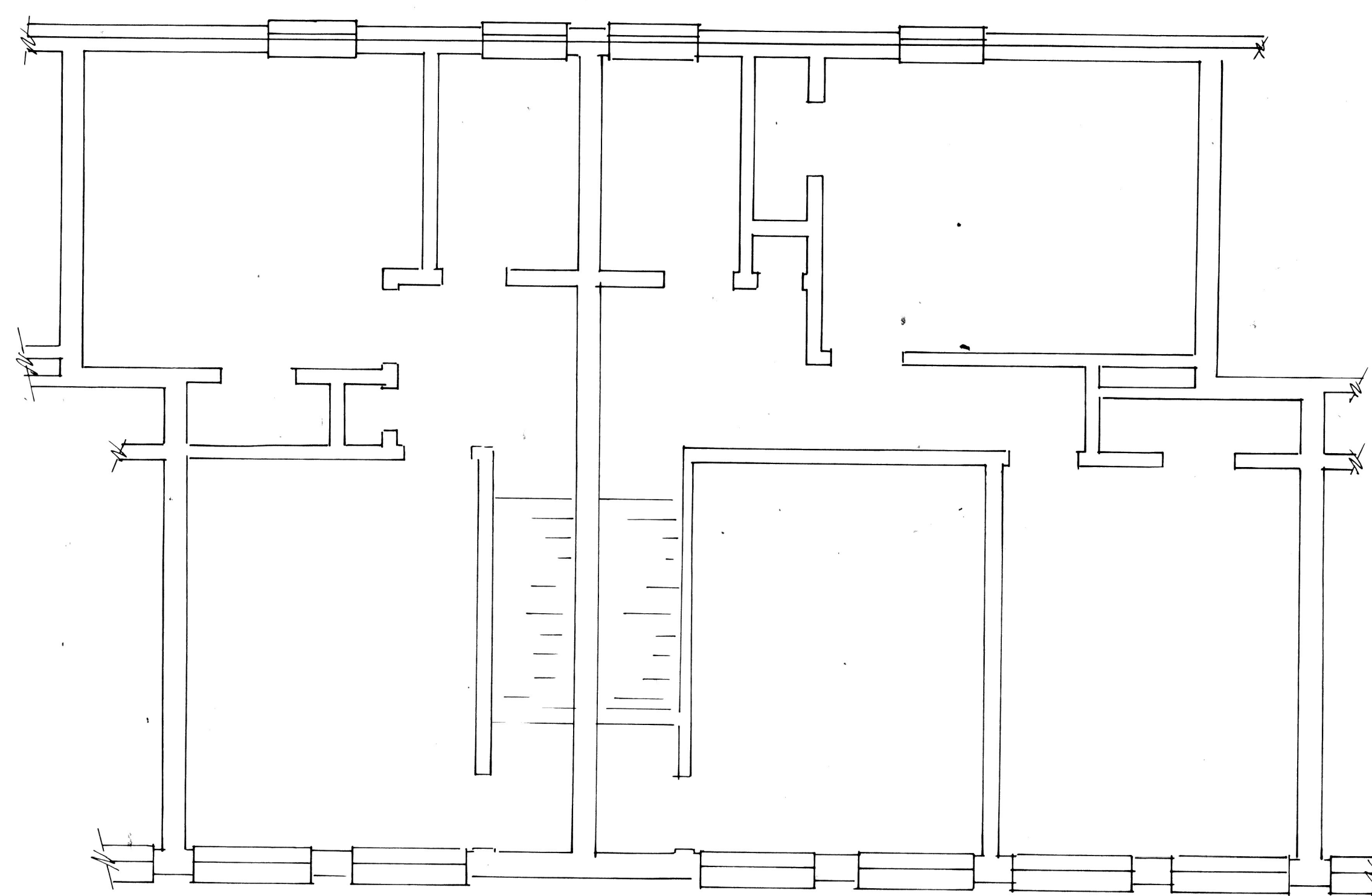
CONSULTING ENGINEERS  
ELIZABETHTOWN, KY

SET N<sup>o</sup>

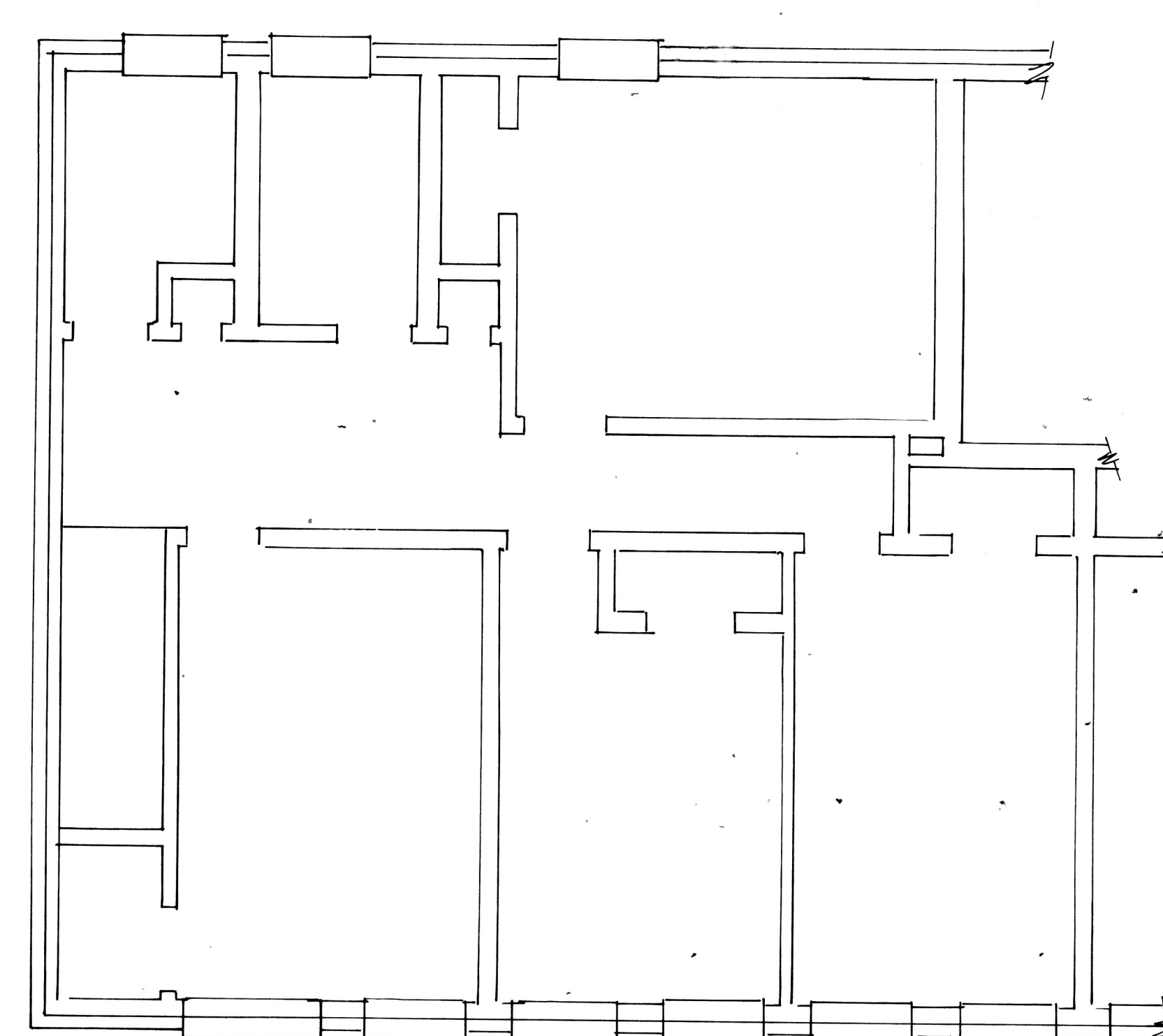
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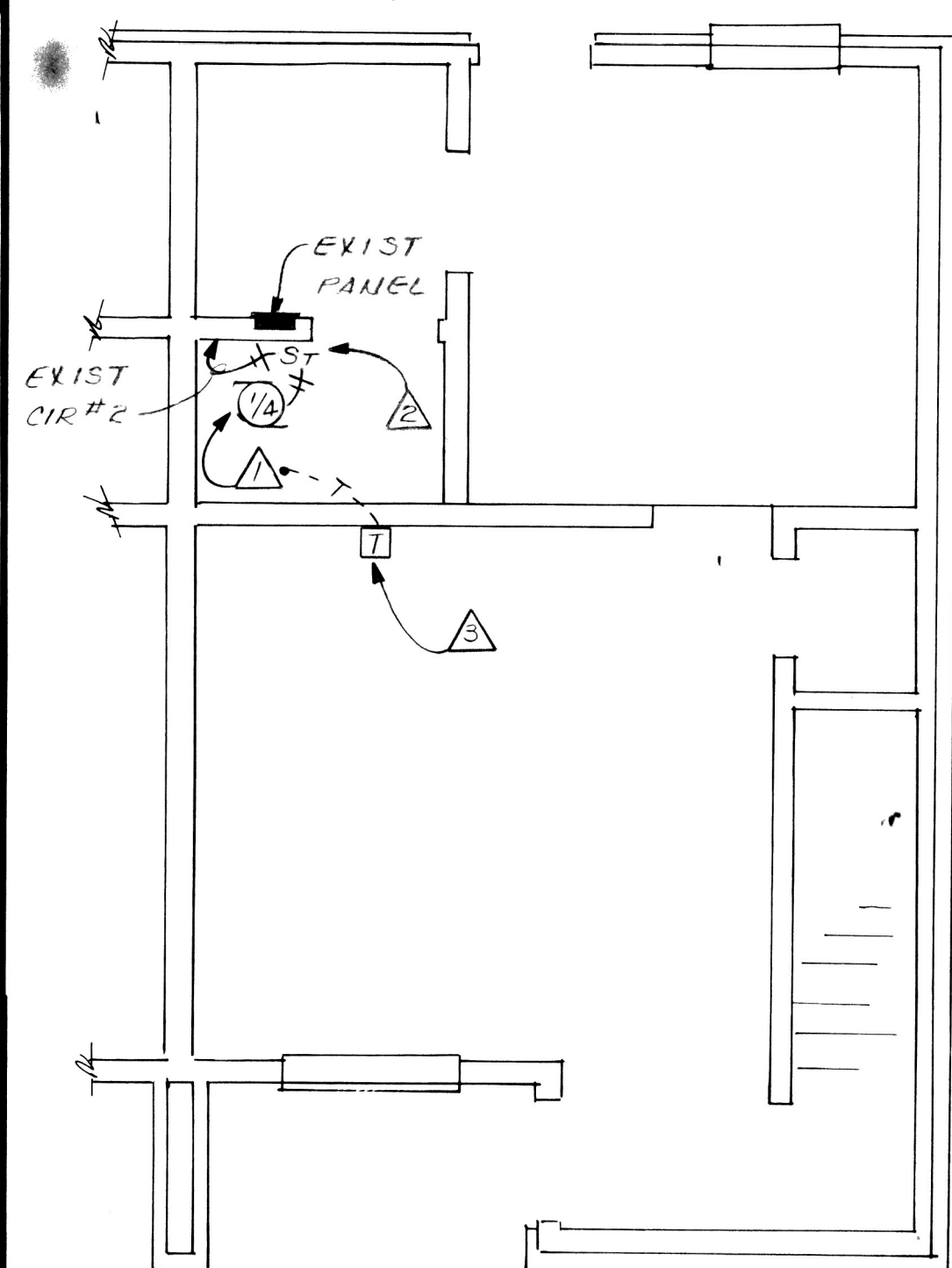
SECOND FLOOR PLAN



SECOND FLOOR PLAN



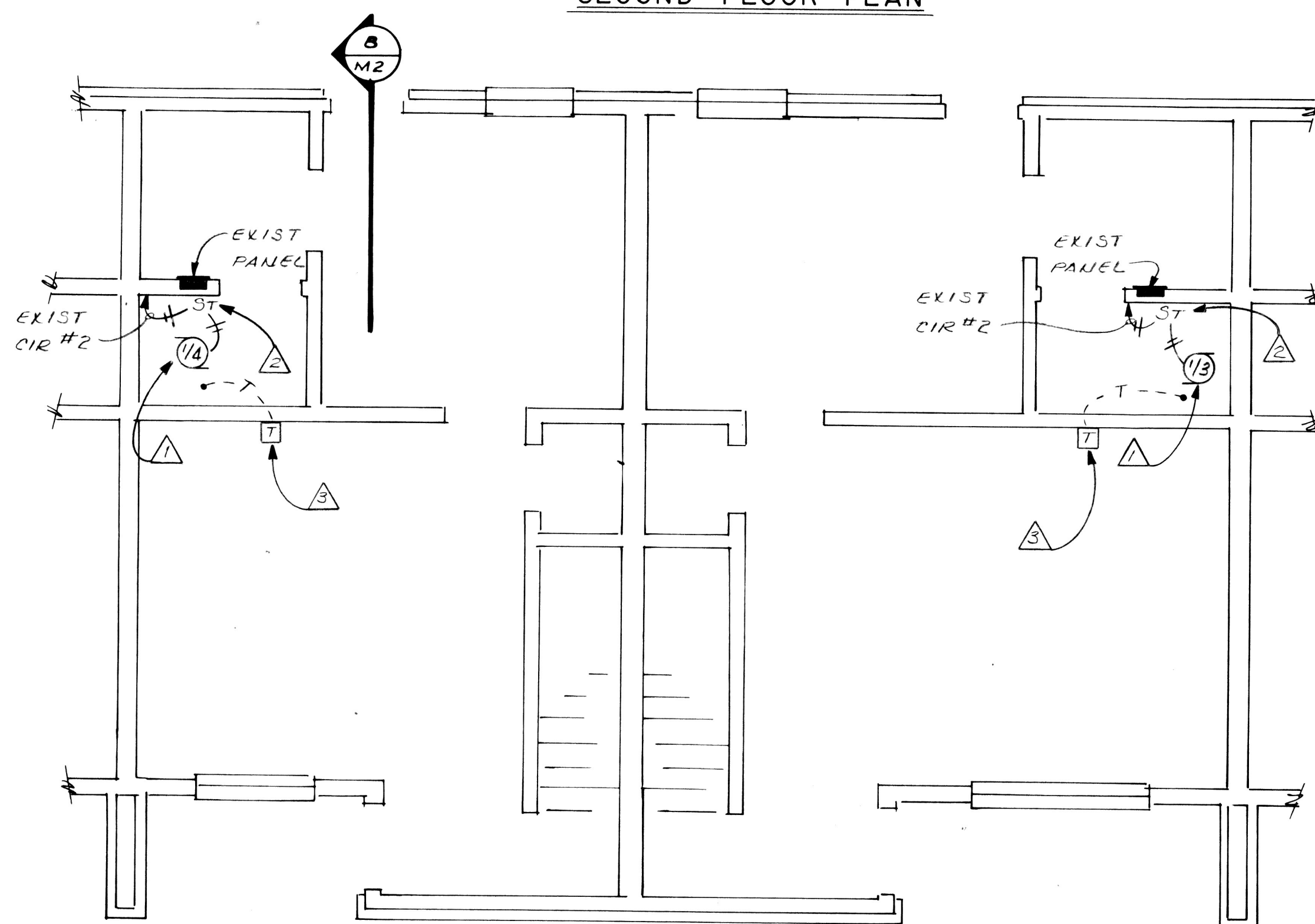
SECOND FLOOR PLAN



FIRST FLOOR PLAN

TYPICAL 2-BEDROOM UNIT  
WITH EXTERIOR SIDE WALL

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



FIRST FLOOR PLAN

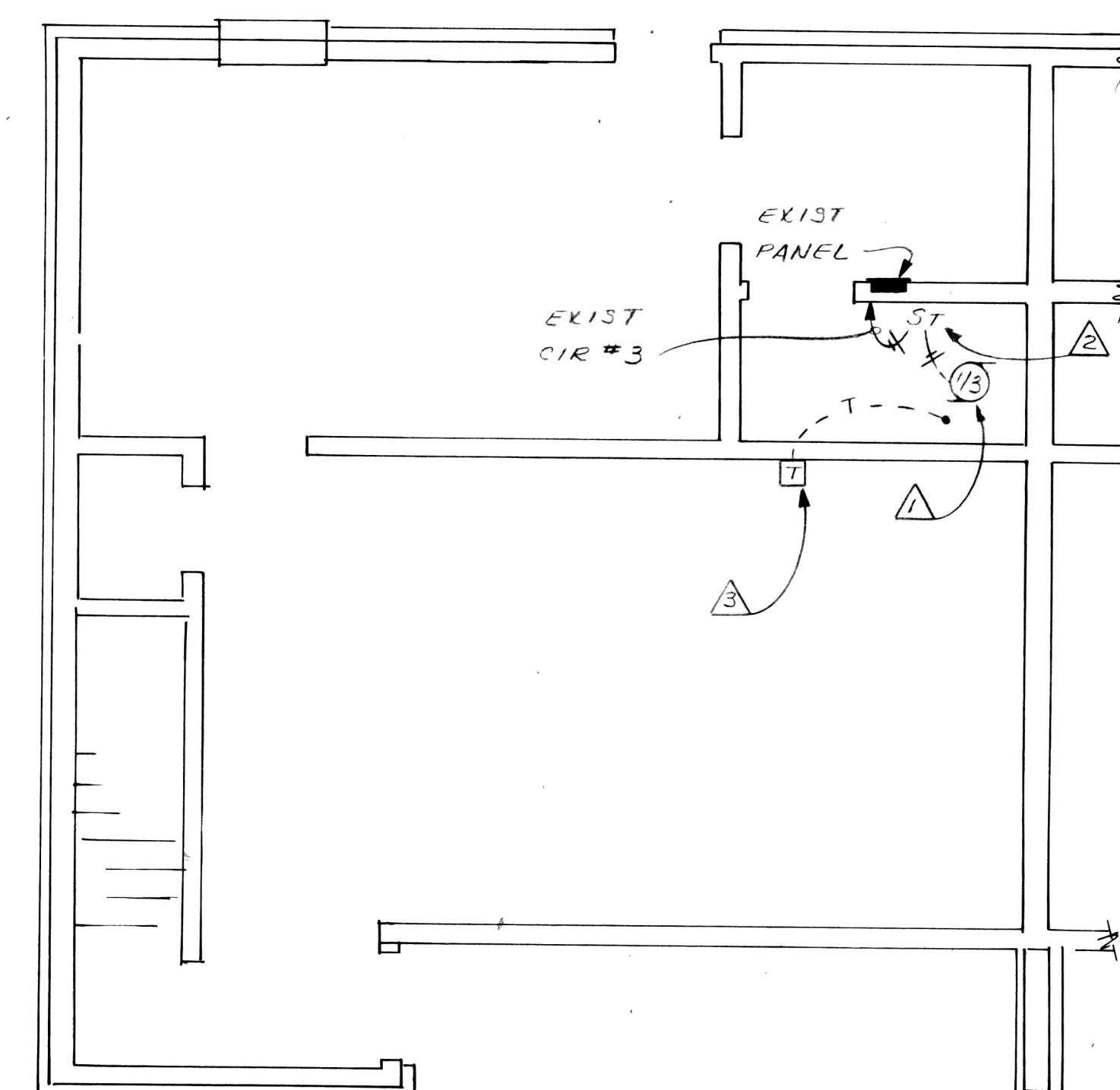
TYPICAL UNIT WITH INTERIOR  
SIDE WALL

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

2-BEDROOM

LEGEND

- (1/2) NEW FURNACE MOTOR 1/2 H.P.
- [T] NEW THERMOSTAT (45 DEGREES F TO 75 DEGREES F)
- ST EXIST. FURNACE SWITCH (MANUAL STARTER)
- T- EXIST. THERMOSTAT WIRING - LOW VOLTAGE
- X- EXIST. FLEXIBLE CONDUIT OR EMT
- [DA] DAMPER ACTUATOR (FURNISHED & INSTALLED BY HVAC CONTRACTOR - WIRED BY ELEC. CONTRACTOR)



FIRST FLOOR PLAN

TYPICAL 4-BEDROOM UNIT

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

NOTES

1. DISCONNECT WIRES FROM EXIST. FURNACE AND READY FOR REMOVAL BY MECH. CONTRACTOR. REUSE EXISTING WIRES AND CONNECT TO NEW FURNACE. IN SITUATIONS WHERE EXISTING CONDUIT INTERFERES WITH INSTALLATION OF NEW FURNACE, RELOCATE CONDUIT TO FACILITATE INSTALLATION.
2. EXIST. MANUAL STARTER WITH THERMAL OVERLOAD TO BE REUSED. THIS CONTRACTOR TO REPLACE THERMAL OVERLOAD OF THE PROPER SIZE BASED ON NEW MOTOR FULL LOAD CURRENT RATING.
3. REMOVE EXIST. T-STAT. THIS CONTRACTOR TO INSTALL NEW T-STAT, LEVEL AND ADJUST THERMOSTAT HEAT ANTICIPATOR TO THE AMP. SETTING AS RECOMMENDED BY THE NEW FURNACE GAS VALVE MANUFACTURER.
4. MOTORIZED DAMPER FURNISHED & INSTALLED BY HVAC CONTRACTOR. ELECTRICAL CONTRACTOR TO WIRE COMPLETE - INTERLOCK WITH FURNACE SO THAT MOTORIZED DAMPER OPENS WHEN FURNACE IS ON AND DAMPER CLOSES WHEN FURNACE IS OFF.
5. PROVIDE 1/2" EMT WITH 2 #14 & GROUND FROM DAMPER TO AREA NEAR FURNACE - USE FLEX. CONDUIT TO MAKE FINAL CONNECTION TO FURNACE.

Contractor: Cross Country Company  
By: Paul Nally, Secretary/Treasurer  
Owner: Housing Authority of Frankfort  
By: Michael A. Fields, Contracting Officer

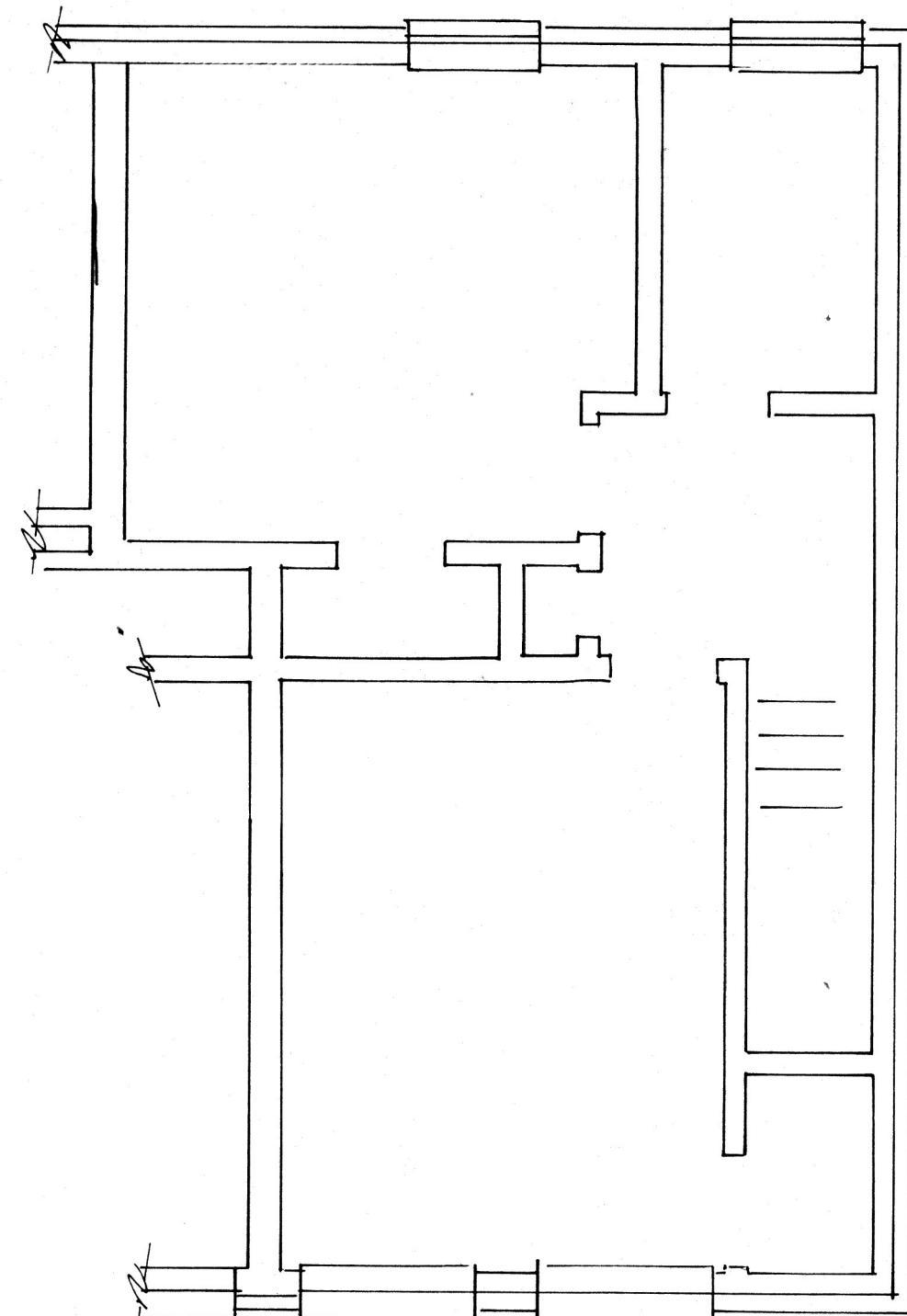


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CONSULTING ENGINEERS  
110 HELM STREET - SUITE 8  
ELIZABETHTOWN, KENTUCKY

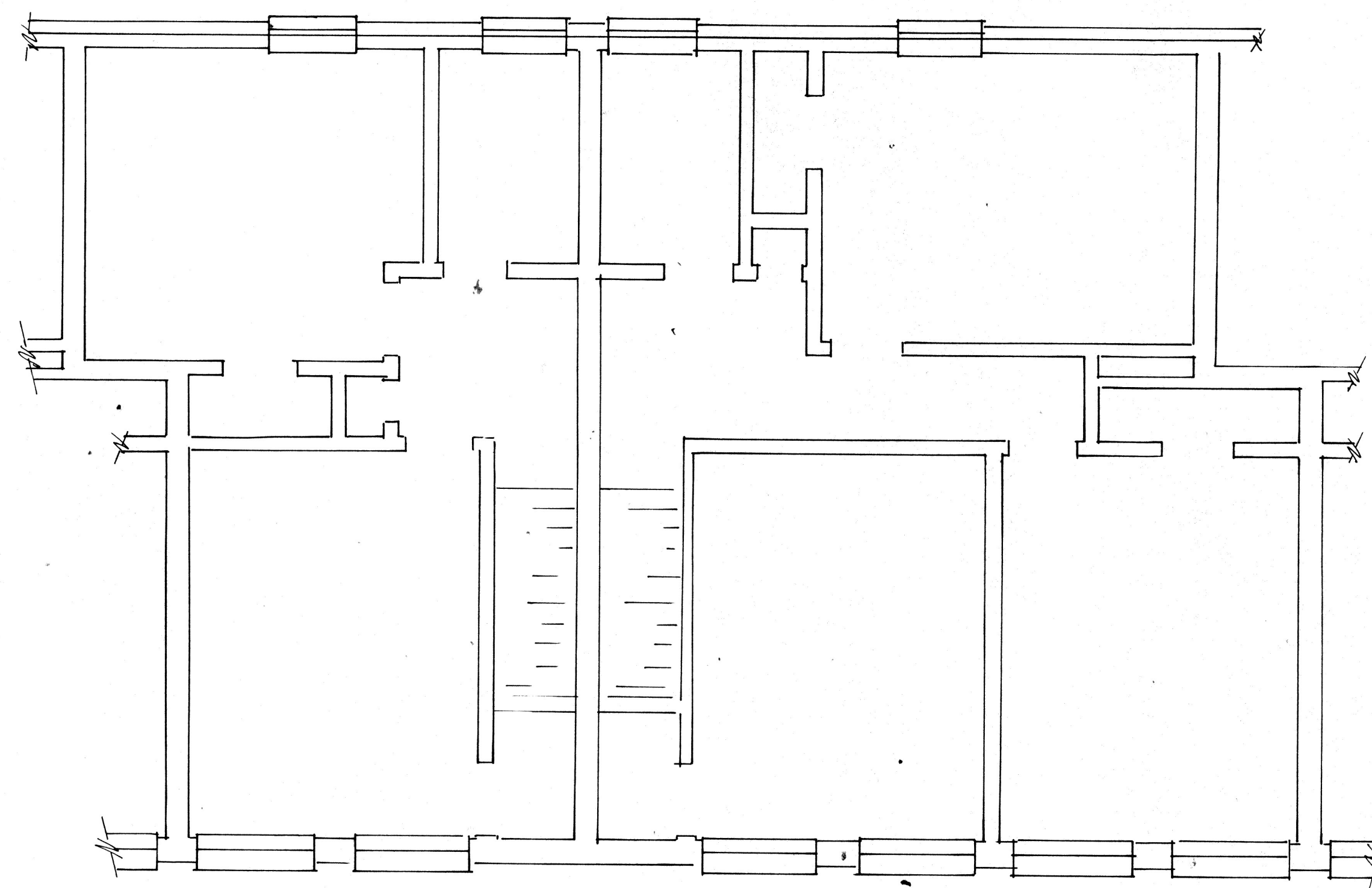
FURNACE REPLACEMENT  
PROJECT KY 3-904  
HOUSING AUTHORITY OF FRANKFORT

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CHECKED BY  
DRAWING #  
E-1  
DATE  
22DEC87  
JOB #

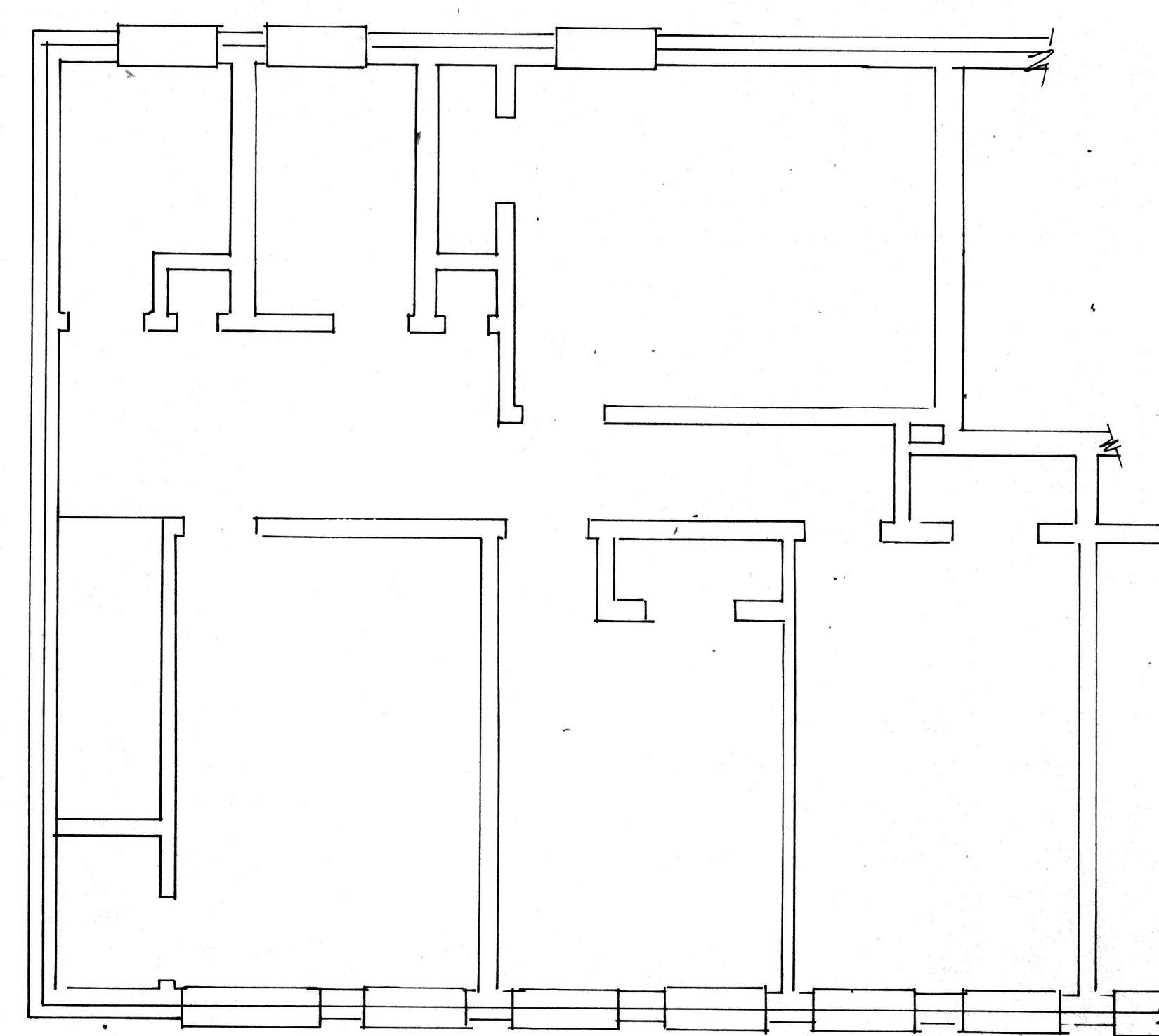




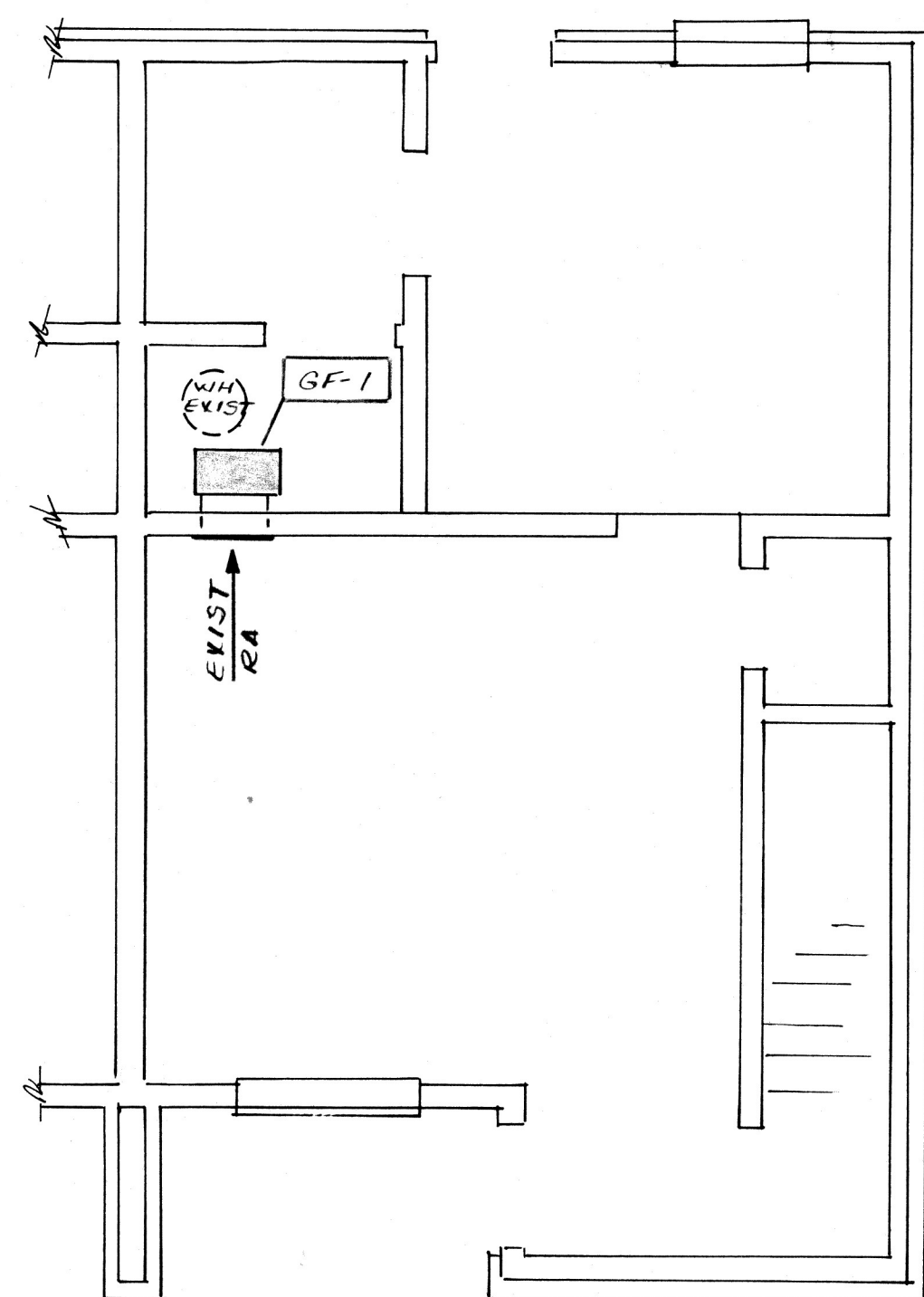
SECOND FLOOR PLAN



SECOND FLOOR PLAN



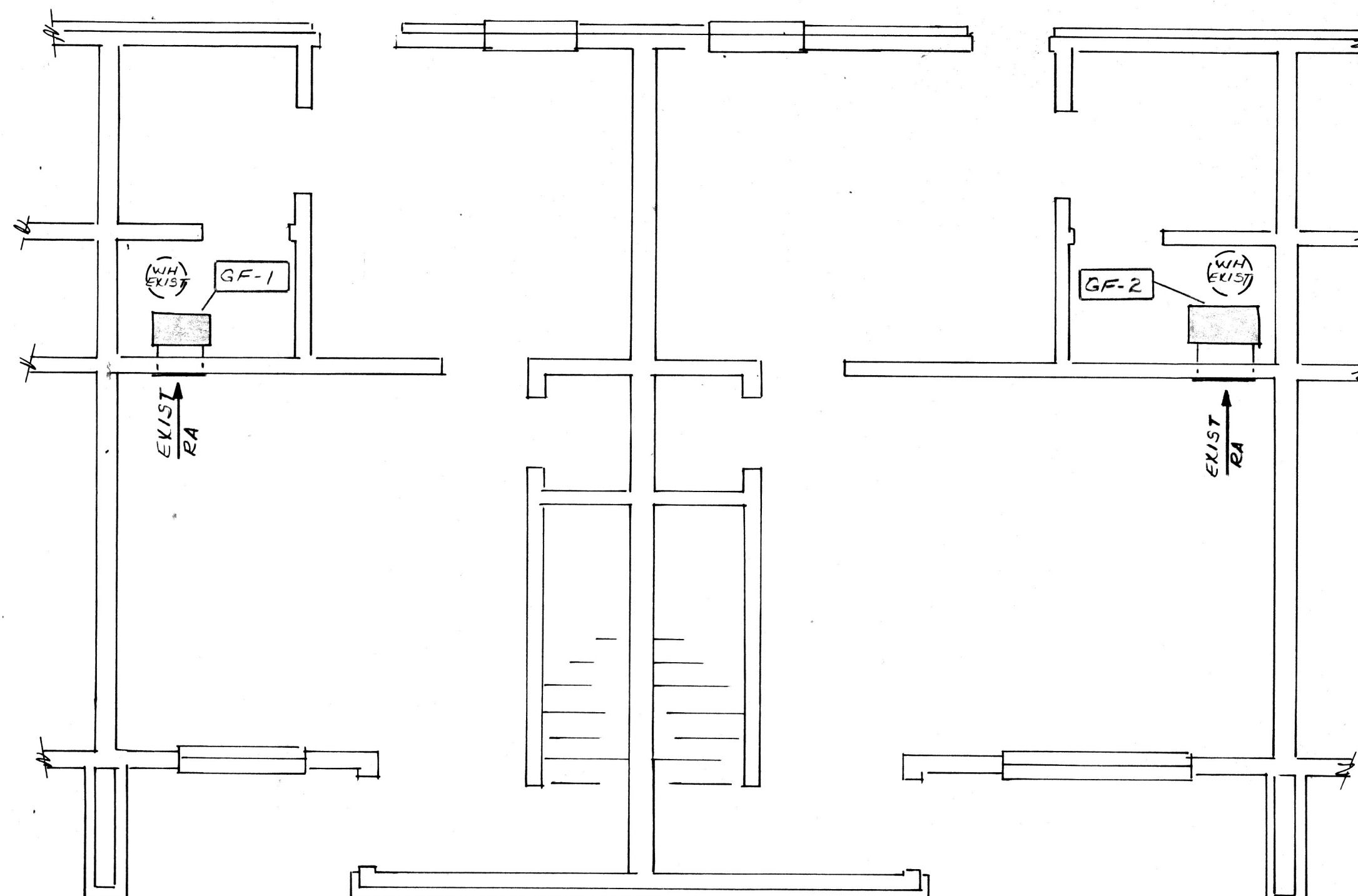
SECOND FLOOR PLAN



FIRST FLOOR PLAN

TYPICAL 2-BEDROOM UNIT  
WITH EXTERIOR SIDE WALL

SCALE: 1/4" = 1'-0"  
THIS PLAN TYPICAL OF 5 UNITS TOTAL



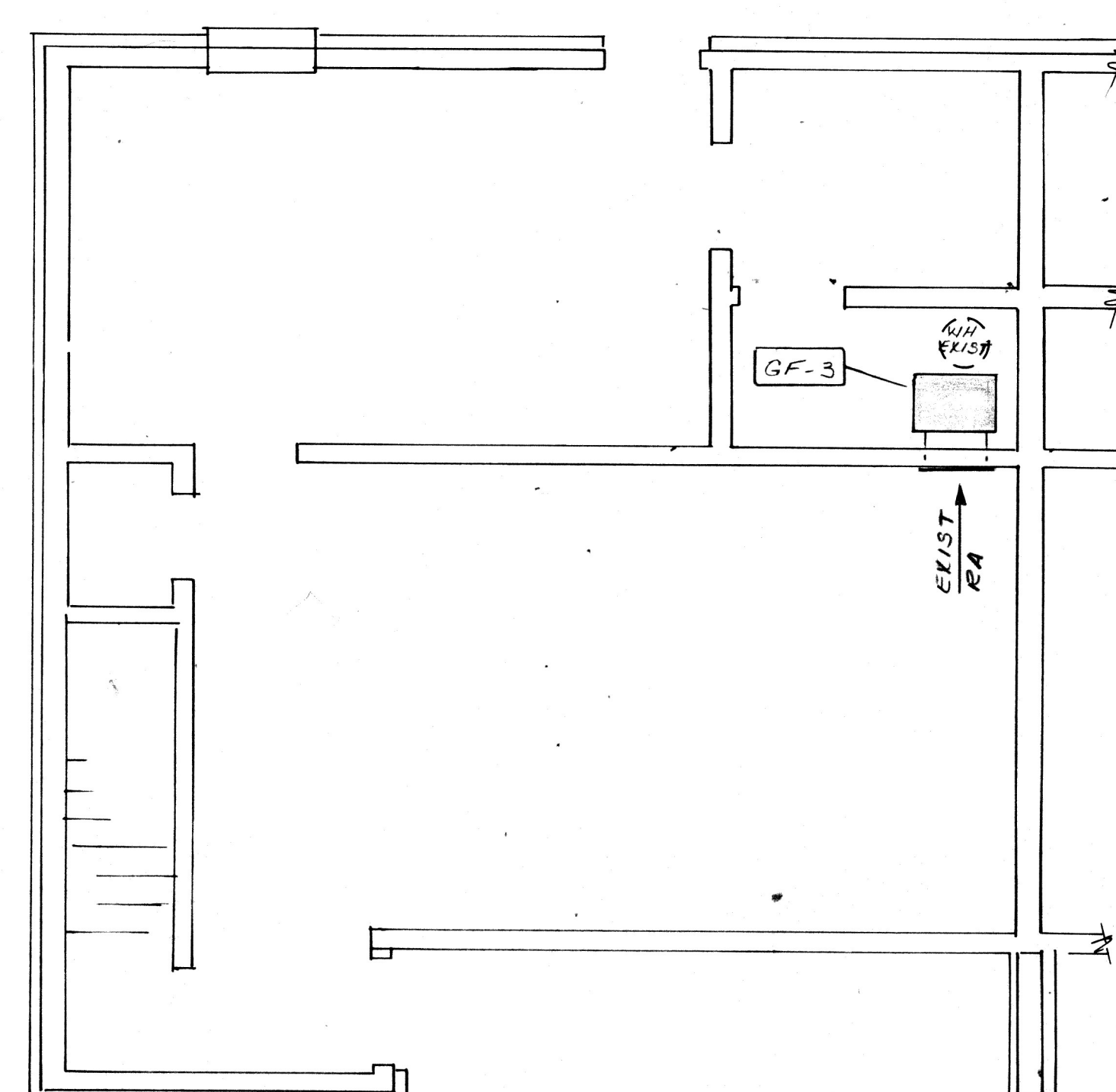
FIRST FLOOR PLAN

TYPICAL UNIT WITH INTERIOR  
SIDE WALL

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

2-BEDROOM  
THIS PLAN TYPICAL OF  
11 UNITS TOTAL

3-BEDROOM  
THIS PLAN TYPICAL  
OF 11 UNITS TOTAL



FIRST FLOOR PLAN

TYPICAL 4-BEDROOM UNIT

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

THIS PLAN TYPICAL OF  
2 UNITS TOTAL

NOTE 1:

1. THE CONTRACTOR SHALL REMOVE THE EXISTING GAS FIRED FURNACE INCLUDING DISCONNECTING ALL SHEET METAL DUCTWORK, GAS FLUES, ELECTRICAL WIRING AND NATURAL GAS PIPING TO THE FIRST AVAILABLE UNION AND REPLACE WITH A NEW UPFLOW FURNACE OF KIND AND DESCRIPTION IN THE SPECIFICATIONS AND AS SCHEDULED ON SHEET M-6. ALL RECONNECTION OF DUCTWORK, GAS FLUES, NATURAL GAS PIPING, AND ELECTRICAL SERVICES SHALL BE MADE TO RENDER THE NEW UNIT OPERATIONAL. (TYPICAL FOR ALL SUCH CASES.)

NOTE 2:

1. ALL EXISTING AND NEW VENTS SHALL BE EXTENDED AND FLASHED THROUGH NEW ROOF AND COORDINATED WITH ROOFING CONTRACTOR.

O & W ASSOCIATES, INC.

CONSULTING ENGINEERS  
110 HELM STREET - SUITE 8  
ELIZABETHTOWN, KENTUCKY

FURNACE REPLACEMENT

PROJECT KY 3-904

HOUSING AUTHORITY OF FRANKFORT

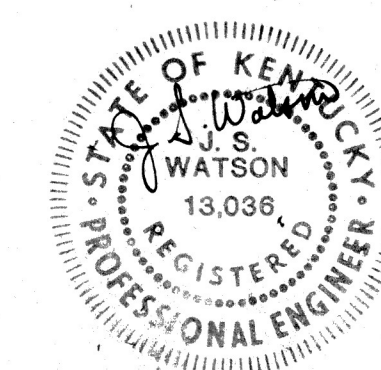
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AL-J

CHECKED BY  
JW/GDB

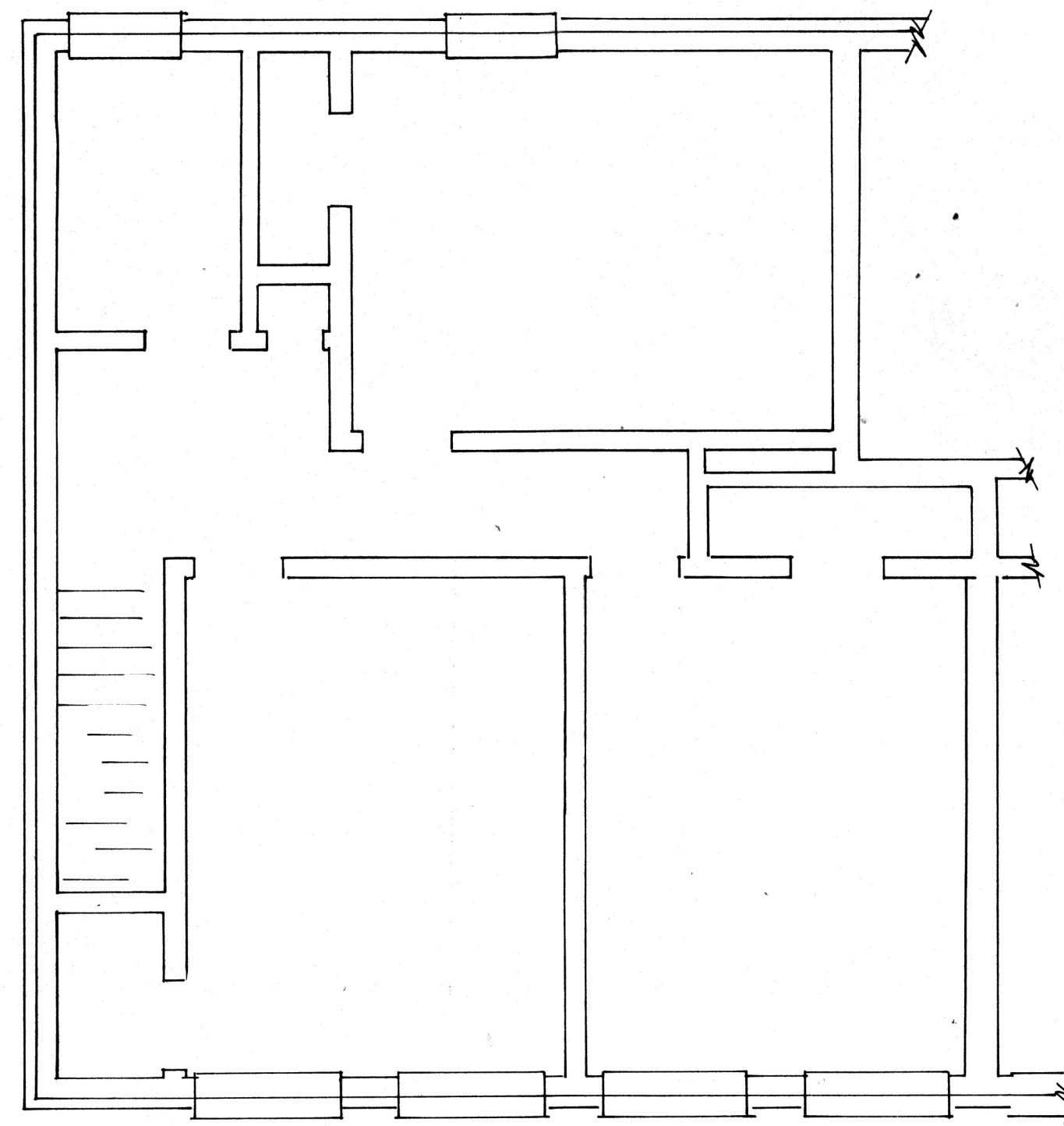
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M-1

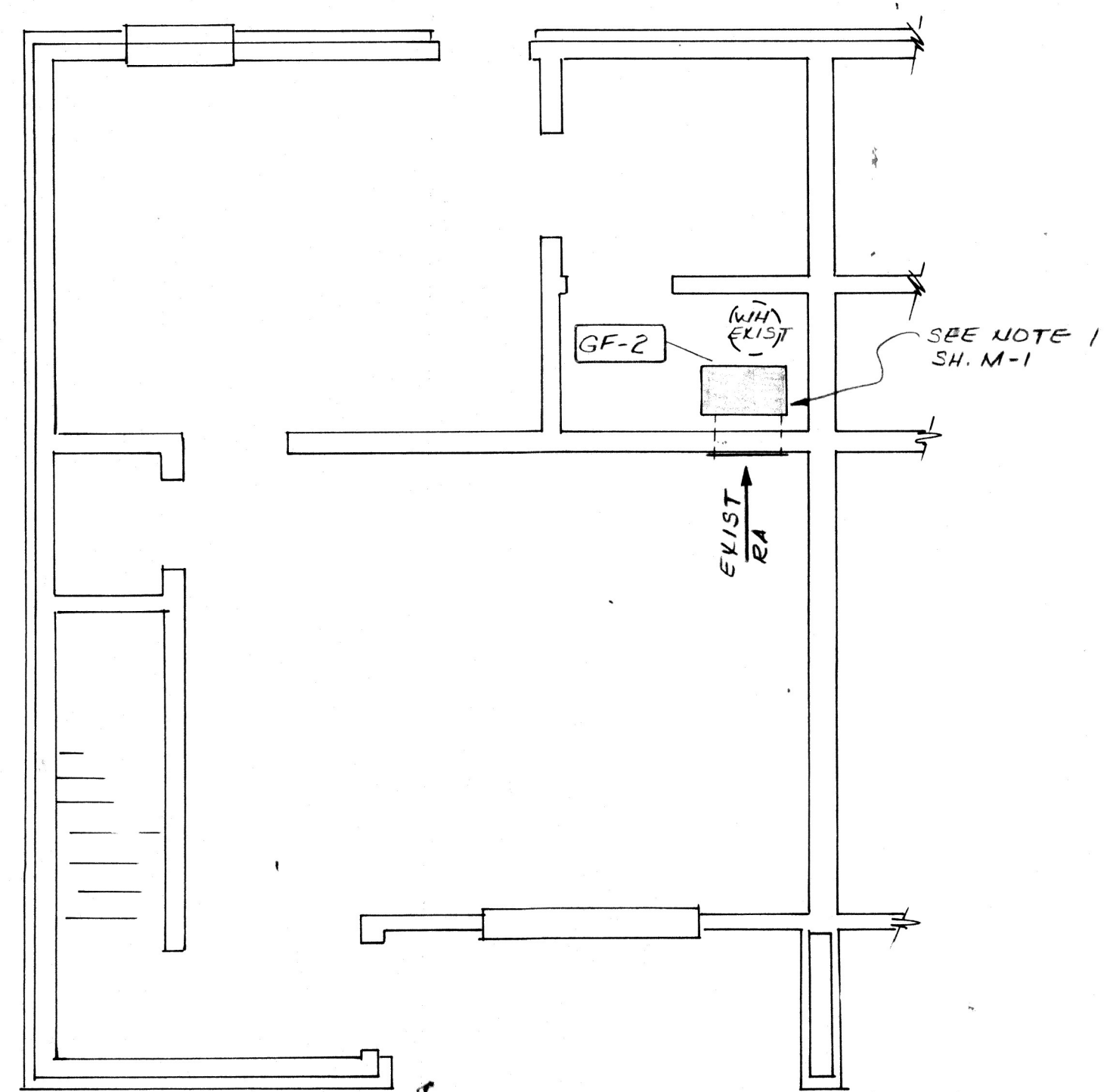
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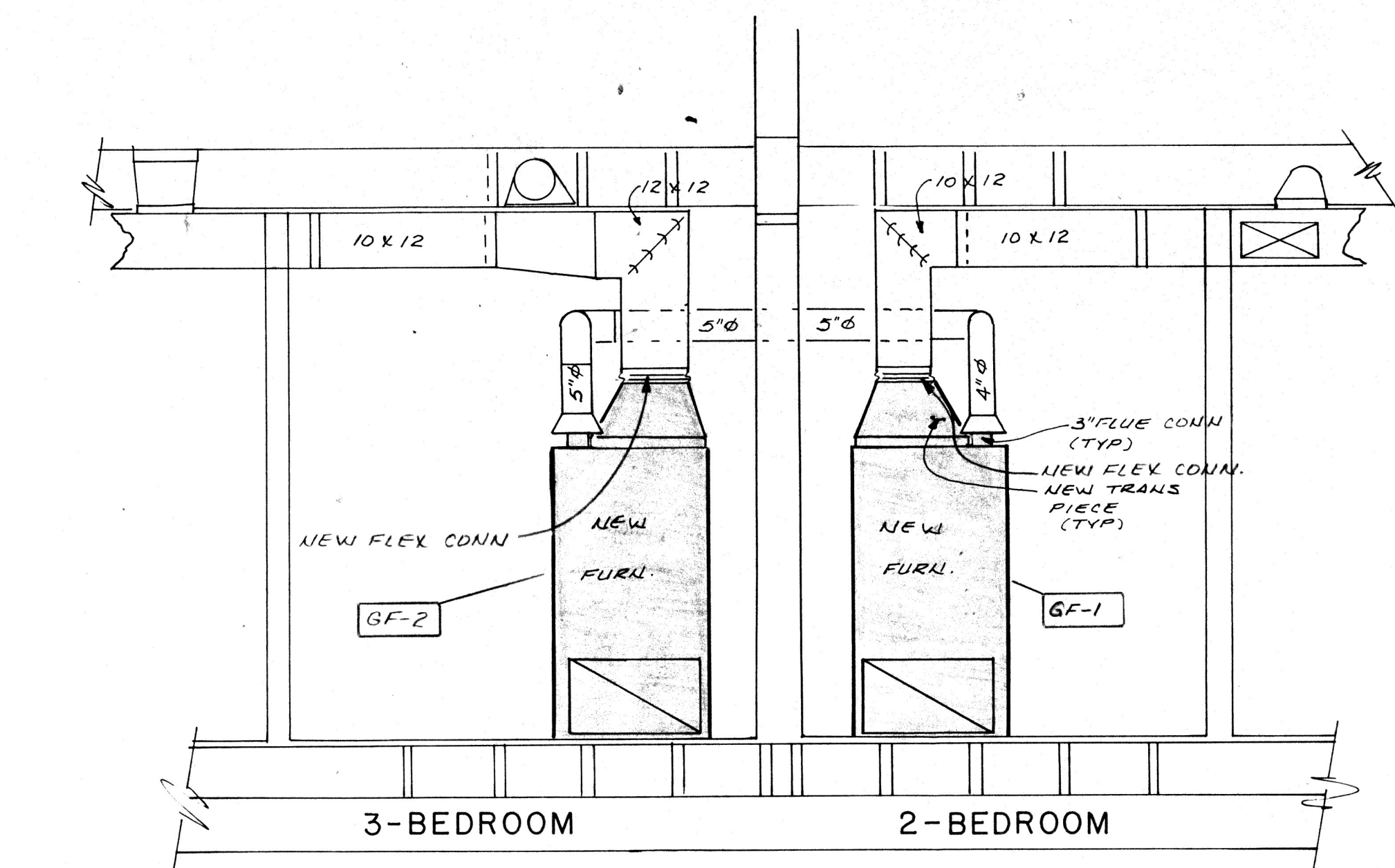


SECOND FLOOR PLAN

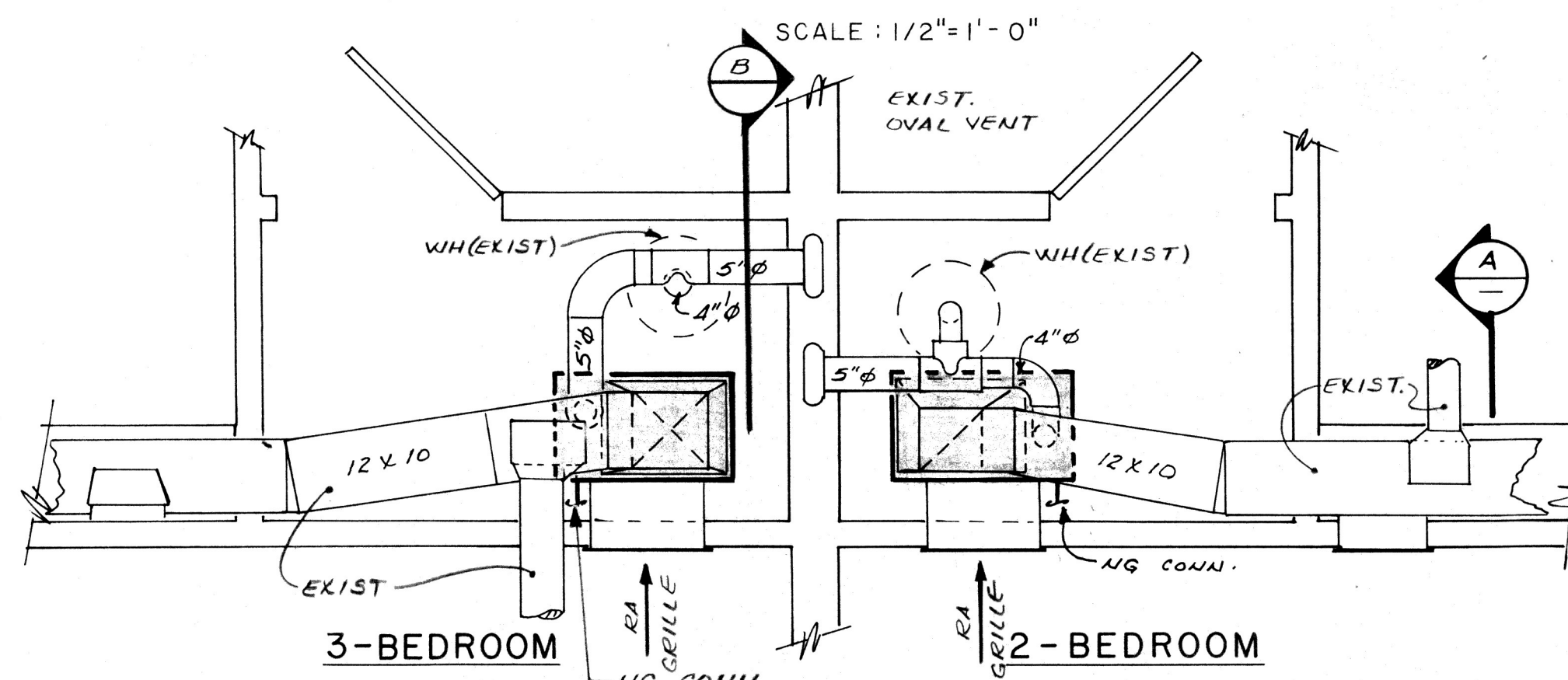


FIRST FLOOR PLAN  
SCALE: 1/4" = 1'-0"

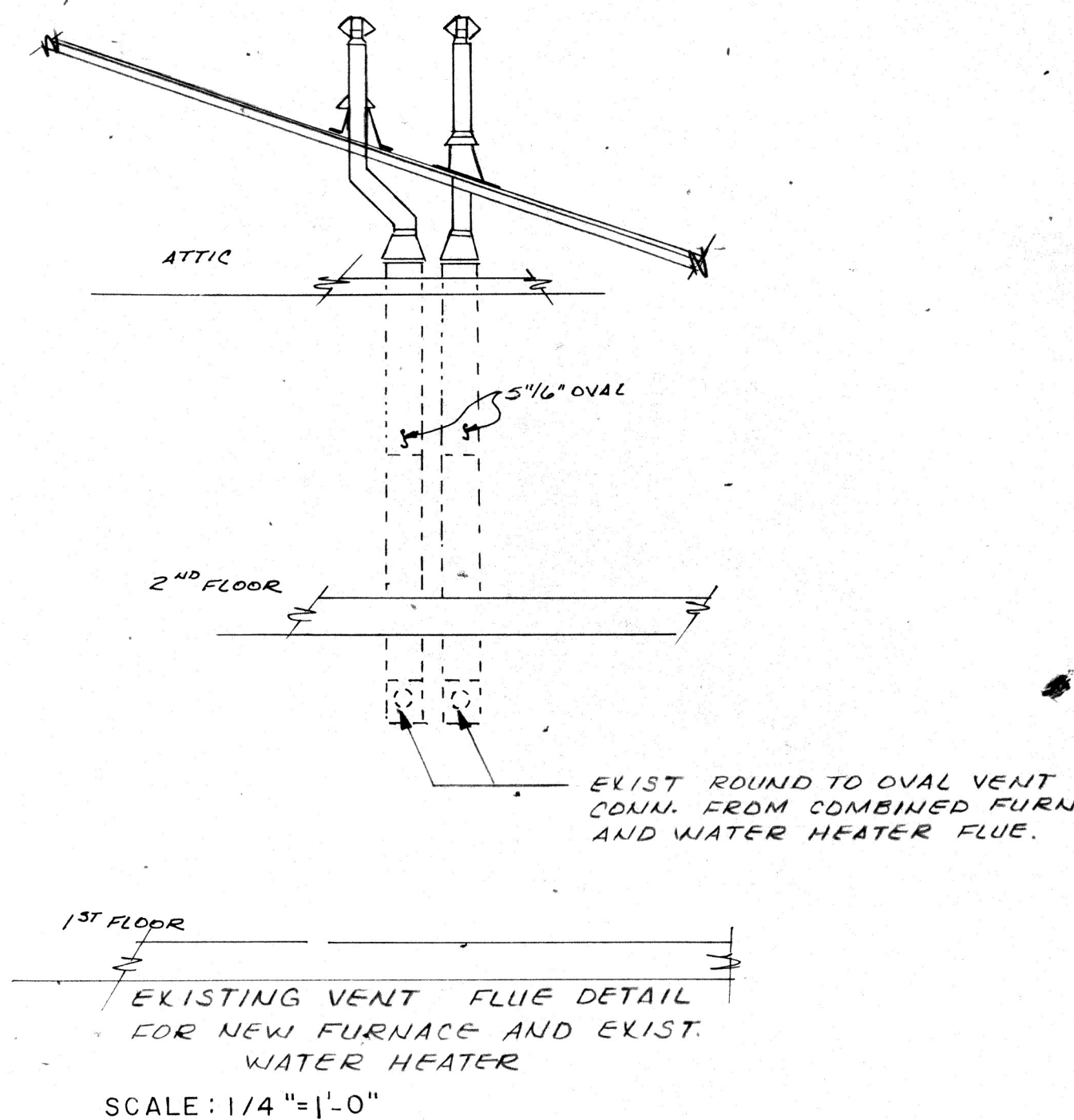
TYPICAL 3-BEDROOM UNIT  
WITH EXTERIOR SIDE WALL  
THIS PLAN TYPICAL OF 3 UNITS TOTAL



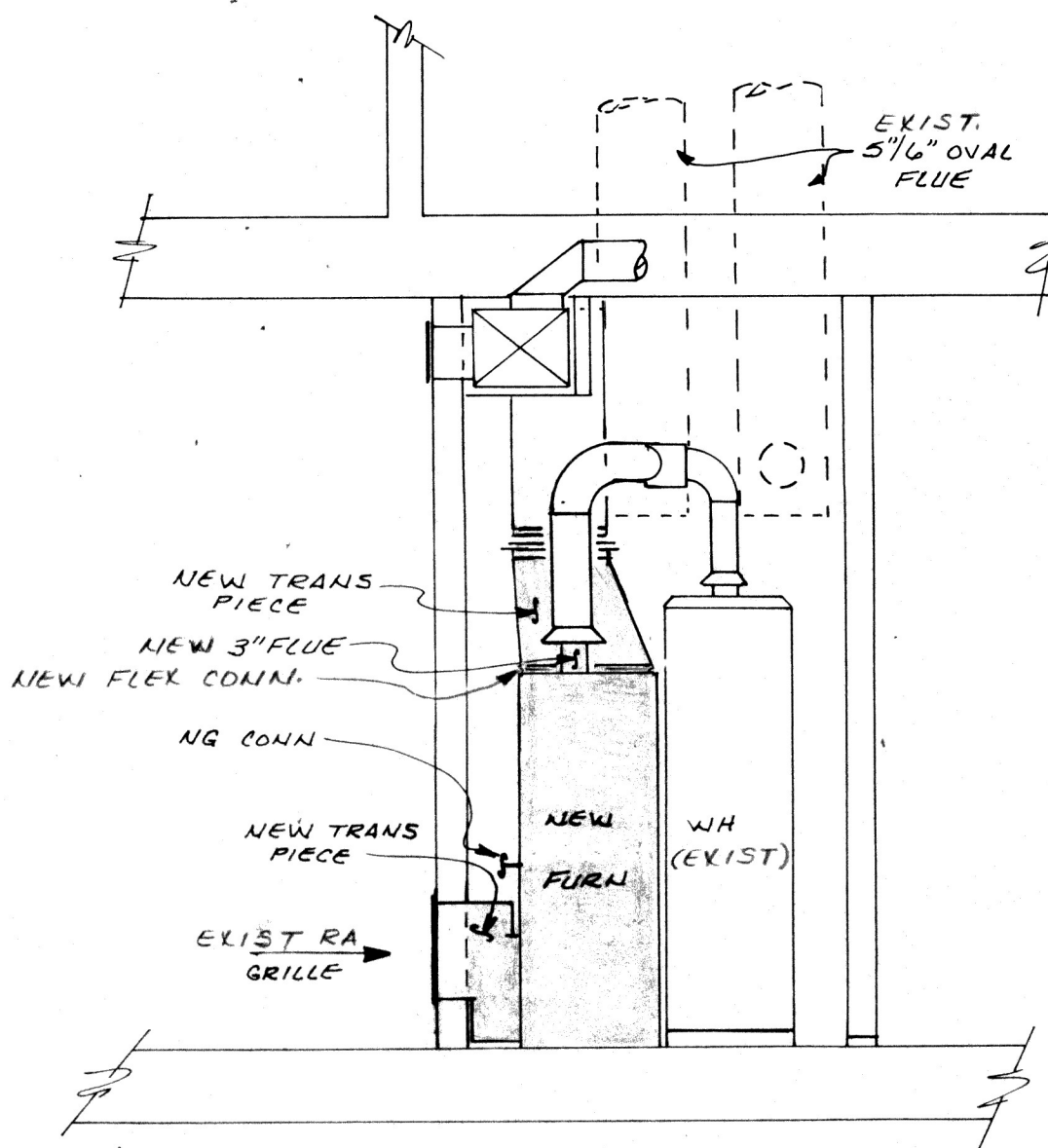
TYPICAL MECHANICAL ROOM  
ELEVATION  
SCALE: 1/2" = 1'-0"



TYPICAL MECHANICAL ROOM PLAN  
SCALE: 1/2" = 1'-0"



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



SECTION  
SCALE: 1/2" = 1'-0"

- NOTE 1:
1. THE CONTRACTOR SHALL REMOVE THE EXISTING GAS FIRED FURNACE INCLUDING DISCONNECTING ALL SHEET METAL DUCTWORK, GAS FLUES, ELECTRICAL WIRING AND NATURAL GAS PIPING TO THE FIRST AVAILABLE UNION AND REPLACE WITH A NEW UPFLOW FURNACE OF KIND AND DESCRIPTION IN THE SPECIFICATIONS AND AS SCHEDULED ON SHEET M-6. ALL RECONNECTION OF DUCTWORK, GAS FLUES, NATURAL GAS PIPING, AND ELECTRICAL SERVICES SHALL BE MADE TO RENDER THE NEW UNIT OPERATIONAL. (TYPICAL FOR ALL SUCH CASES.)

- NOTE 2:
1. ALL EXISTING AND NEW VENTS SHALL BE EXTENDED AND FLASHED THROUGH NEW ROOF AND COORDINATED WITH ROOFING CONTRACTOR.



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110 HELM STREET - SUITE 8  
ELIZABETHTOWN, KENTUCKY

FURNACE REPLACEMENT  
PROJECT KY 3-904  
HOUSING AUTHORITY OF FRANKFORT

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DRAWING #

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22 DEC 87  
JOB #