GENERAL NOTES:

A. PROVIDE ALL NEW SUPPLY AND RETURN AIR DUCTWORK IN THE ATTIC TRUSS SPACE AS REQUIRED TO SERVICE THE AREAS PER THE ZONING OUTLINES. UTILIZE EXISTING DIFFUSERS AND GRILLES, AND ADD ADDITIONAL (OF SIMILAR TYPES TO EXISTING) AS REQUIRED FOR PROPER DISTRIBUTION.

B. ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED PER SMACNA SHEETMETAL DUCTWORK STANDARDS.

C. ALL NEW SUPPLY AND RETURN AIR DUCTWORK IN THE UNCONDITIONED ATTIC TRUSS SPACE SHALL BE INSULATED WITH FLEXIBLE FIBERGLASS INSULATION WITH FSK JACKET, WITH A MINIMUM R VALUE OF 12. INSULATION SHALL BE CONTINUOUS DOWN THRU THE GYPSUM BOARD LID, AND SHALL BE SEALED AIR TIGHT AT THE LID.

D. ALL SUPPLY AND RETURN AIR DUCTWORK BELOW THE GYP BOARD LID SHALL BE INSULATION WITH FLEXIBLE FIBERGLASS W/ FSK WITH A MINIMUM R VALUE OF 6.

E. ALL OUTSIDE AIR DUCTWORK SHALL BE INSULATED WITH A MINIMUM R VALUE OF 8.

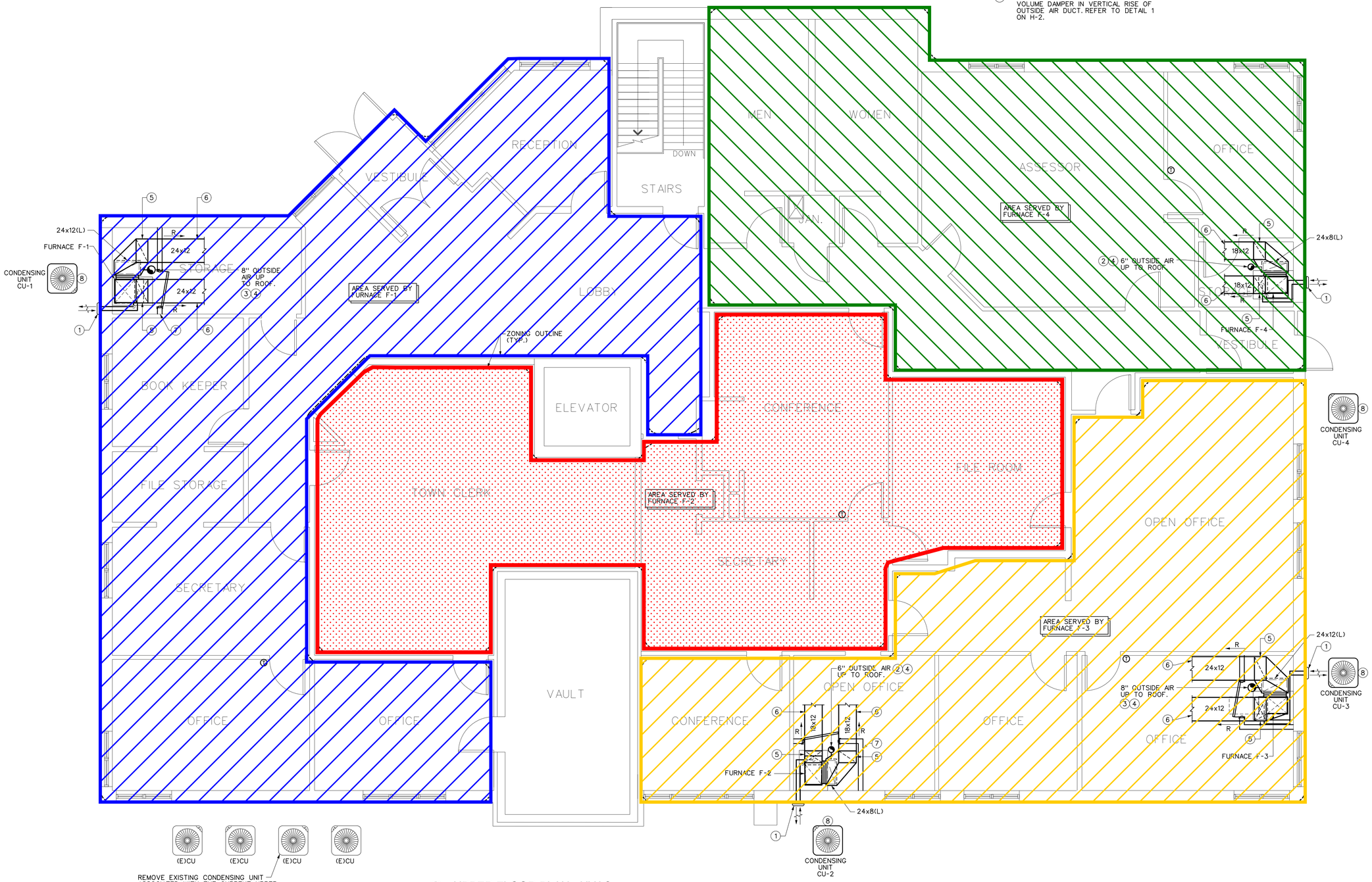
F. REMOVE EXISTING DUCTWORK IN ATTIC AS REQUIRED. CUT CAP AND INSULATE THE EXISTING SA AND RA MAINS DUCT RISERS IN ATTIC FROM EXISTING SYSTEM.

G. PROVIDE ALL REQUIRED CONTROL WIRING FOR A COMPLETE AND OPERABLE SYSTEM.

F. REMOVE ALL EXISTING DUCTWORK EQUIPMENT, AND CONTROLS ASSOCIATED WITH THE EXISTING UPPER FLOOR SYSTEM.

DRAWING NOTES:

1. SIDEWALL VENT TERMINATION KIT. PVC COMBUSTION AIR AND VENT PIPE TO BE SIZED, ROUTED, AND INSTALLED AS PER THE FURNACE MANUFACTURERS RECOMMENDATIONS.
2. 6" OUTSIDE AIR INTAKE UP TO ROOF. PROVIDE COOK MODEL 8PR SPUN ALUMINUM DOME STYLE INTAKE VENTILATOR MOUNTED ON A 12" HIGH FACTORY CURB ON SLOPED ROOF.
3. 8" OUTSIDE AIR INTAKE UP TO ROOF. PROVIDE COOK MODEL 8PR SPUN ALUMINUM DOME STYLE INTAKE VENTILATOR MOUNTED ON A 12" HIGH FACTORY CURB ON SLOPED ROOF.
4. PROVIDE AUTOMATIC AIR DAMPER AND VOLUME DAMPER IN VERTICAL RISE OF OUTSIDE AIR DUCT. REFER TO DETAIL 1 ON H-2.
5. DUCTWORK TO RISE IN ATTIC TRUSS SPACE.
6. DUCTWORK RUNNING IN ATTIC TRUSS SPACE.
7. CONSTRUCT A 3 1/2" METAL STUD AND DRYWALL CLOSET TO ENCLOSE THE FURNACE. PROVIDE A 36" CLOSET DOOR. PAINT THE EXTERIOR CLOSET WALL SURFACE TO MATCH EXISTING WALL COLOR, AFTER DRYWALL IS TAPED, FILLED AND FINISHED.
8. ROUTE REFRIGERANT LINES UP SIDE OF BUILDING AND INTO CEILING UP SIDE OF BUILDING AND INTO CEILING SPACE OF THE LOWER LEVEL. RUN HORIZONTALLY TO THE FURNACE LOCATION AND UP THRU THE FLOOR. COVER EXTERIOR WALL MOUNTED LINE SETS WITH PVC LINE SET COVERS. LITTLE GIANT SPEEDIDUCT, OR SIMILAR.



1 / H-1 UPPER FLOOR PLAN - HVAC

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

0 2' 4' 8'

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REVISIONS

No.	Date	By	Description

DRAWING TITLE

UPPER LEVEL - HVAC

DRAWING NO. H-1

Drawn By:	NWA
Checked By:	DNW
Project Mgr:	JPC
Date:	08/04/17
Project No:	170092

ISSUE DATE
08/04/17