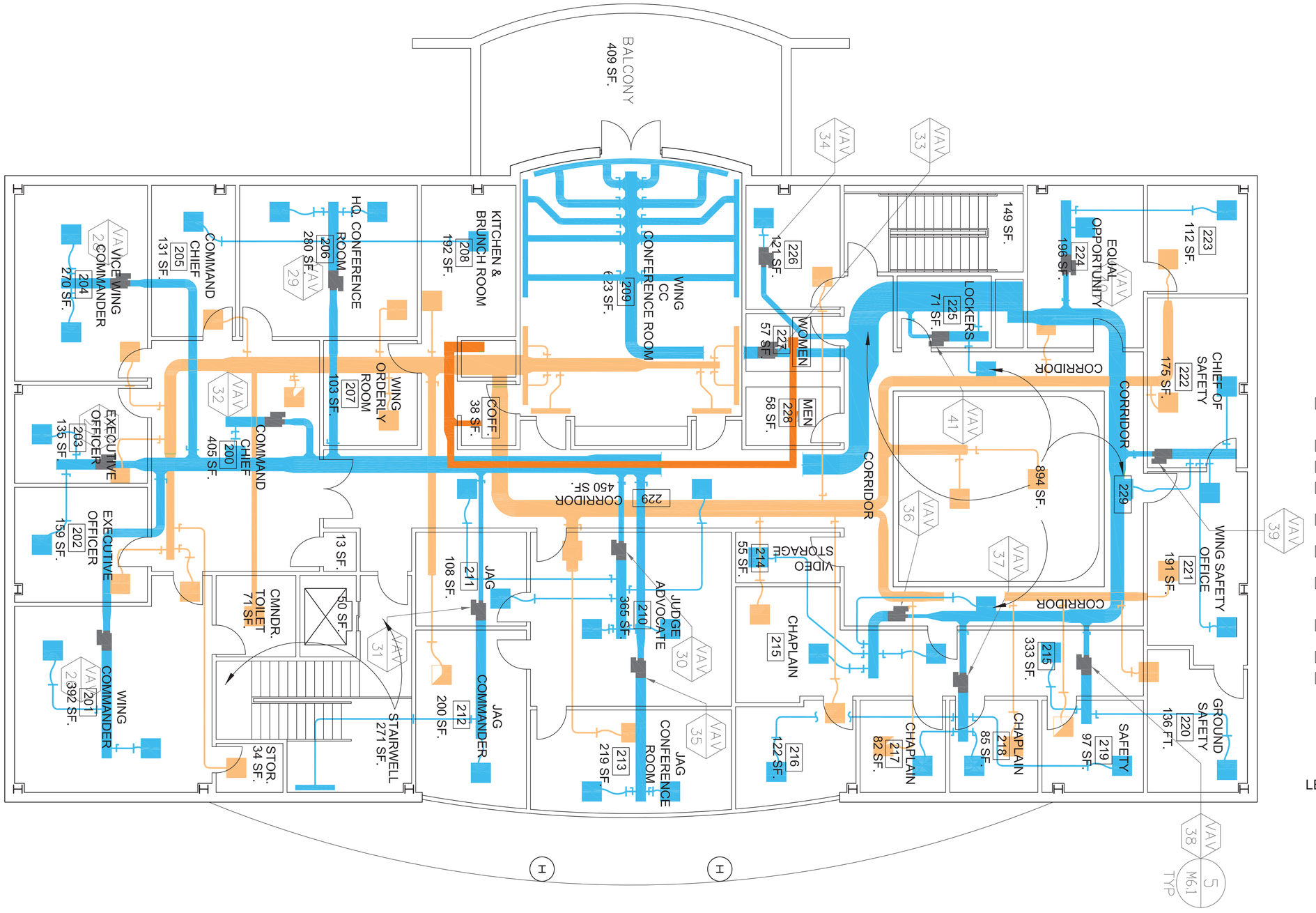

MECHANICAL HVAC. SYSTEM PLAN

SCALE: 3/16"=1'-0"

NORTH

KEYED NOTES:

1. CONNECT 8"Ø DUCT TO SUPPLY AIR DIFFUSER WITH FLEXIBLE DUCT MAXIMUM LENGTH 12".
2. 60" FACTORY SUPPLIED DIFFUSER PLENUM.
3. 48" FACTORY SUPPLIED DIFFUSER PLENUM.
4. SUPPLY AIR GRILLE, TYPE S1, 6"Ø NECK SIZE, BALANCE TO 50 CFM.
5. RETURN AIR GRILLE, TYPE R1, 8"Ø NECK SIZE, BALANCE TO 175 CFM.
6. RETURN AIR GRILLE, TYPE R1, 10"Ø NECK SIZE, BALANCE TO 290 CFM.
7. COMBINE 8x24, 18x24, AND 24x18 RA INTO 44x24 RA, TRANSITION TO 30x18 IN VERTICAL AND CONTINUE TO FIRST FLOOR.
8. EXHAUST AIR GRILLE, TYPE E2, 8x6 NECK SIZE, BALANCE TO 75 CFM, 2 TYPICAL.
9. 50x18 SA DUCT UP FROM BELOW.
10. 4"Ø GAS VENT FROM BELOW. CONTINUE UP THRU ROOF. SEE DETAIL 21 ON SHEET M-6.3 FOR STACK DETAIL.

LEGEND:

- AHU AIR HANDLING UNIT & CRU
- SUPPLY AIR
- HEAT PUMP OR FAN COIL
- UH & CUH UNIT HEATERS-CABINET UNIT HEATERS
- OUTSIDE AIR AND RETURN AIR
- EXHAUST AIR
- EXHAUST FAN
- VAV VARIABLE AIR VOLUME CONTROL

Symbol	Description	Date	Appr.

Designed by: MB. Date: 12/05/2012
Dwn. by: PL. Design File No.:
Reviewed by: HZ. Drawing Code:
Submitted by: HZ. File Name:
Chief, Plot Date:
Plot Scale:

126th Air Refueling Wing
Illinois Air National Guard
Scott Air Force Base
Belleville, Illinois

BLDG.# 5000 MECHANICAL HVAC. SYSTEM PLAN 2ND. FLOOR

Sheet Reference Number:
M.1
Sheet 1 of 3

Bar is 1" on original 22x34 sheet

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