TAGGED NOTES - THIS SHEET

1. HVAC UNIT & SUPPORTS FURNISHED & INSTALLED IN ATTIC BY MECH. CONTRACTOR. UNIT SIZE, INSTALLATION, ETC., TO BE COORDINATED WITH GC & FRAMING CONTRACTOR.
2. ¾" CONDENSATE DRAIN ROUTED TO EXTERIOR WALL, DOWN TO GRADE, TOWARDS STORM RUN-OFF, AWAY FROM FOOT TRAFFIC.
3. DRYER VENT PIPE SHALL BE 4Ø SINGLE WALL RIGID SHEETMETAL PER MECH. CODE. ROUTE UP TO ROOF TO APPROVED ROOF CAP. SEAL PENETRATION WATER TIGHT.
4. 4Ø DRYER VENT DOWN WALL TO 42" ABOVE FINISHED FLOOR. PROVIDE METAL RECESSED BOX RATED FOR FIRE WALL INSTALLATION.
5. ALL BATHROOM DOORS TO HAVE UNDERCUTS.
6. ALL ROOMS WITH S.A. TO HAVE DOOR UNDERCUTS FOR RETURN. SEE ARCH. DOOR SCHEDULE FOR MORE INFORMATION.
7. EXHAUST DUCT UP TO APPROVED ROOF CAP WITH DAMPER AND WEATHERPROOF ROOF PENETRATION.
8. APPROVED RECIRCULATING RANGE HOOD.
9. RETURN AIR THROUGH FILTERED GRILLE.
10. GREASE EXHAUST DUCT TO UPBLAST FAN MOUNTED ON ROOF. PROVIDE OFFSETS AND/OR TRANSITIONS AS NEEDED. PROVIDE APPROVED GREASE COLLECTION DEVICE. CONFIRM LOCATION OF FAN IS 10' FROM ALL INTAKE DEVICES BEFORE INSTALLATION.
11. OUTSIDE AIR DOWN FROM GV-1 WITH WEATHERPROOF ROOF PENETRATION.

VENTILATION CALCULATIONS

CALCULATIONS BASED ON THE 2009 NCMC TABLE 403.3

AH-4 (OFFICE)
OFFICE
= (1355 SQFT) X (7 PEOPLE/1000 SQFT) X (20 CFM/PERSON)
= 190 CFM
AH-4 PROVIDES 350 CFM

VENTILATION CALCULATIONS

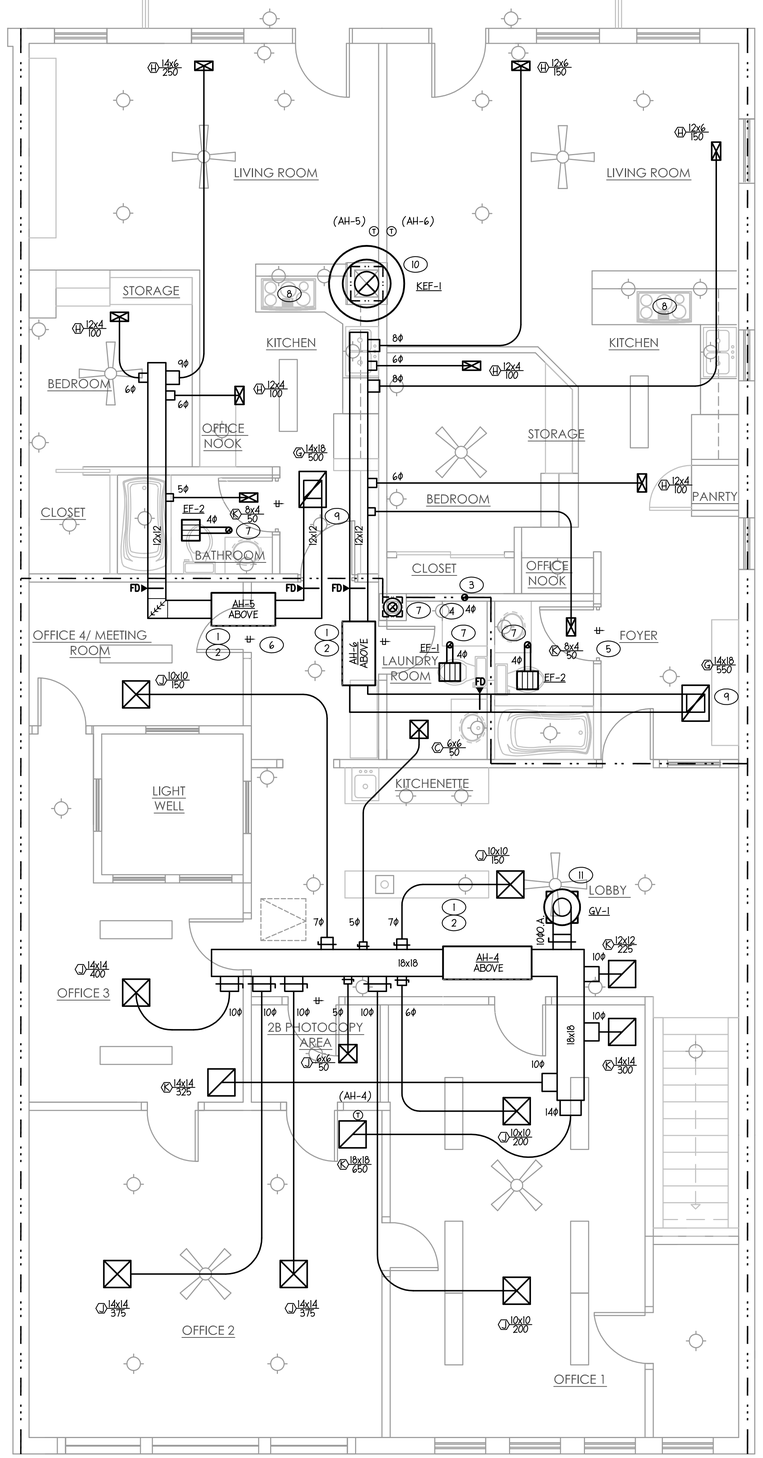
CALCULATIONS BASED ON THE 2009 NCBC SECTION 1203.4

UNIT 1:

FLOOR AREA	= 575 SQFT
OPERABLE EXTERIOR OPENINGS	= 39 SQFT
OPERABLE OPENING AREA %	= 6.8% (> 4%)

UNIT 2:

FLOOR AREA	= 725 SQFT
OPERABLE EXTERIOR OPENINGS	= 42 SQFT
OPERABLE OPENING AREA %	= 5.8% (> 4%)



1 SECOND FLOOR MECHANICAL PLAN
1/4"=1'-0"

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MECHANICAL ELECTRICAL PLUMBING

NORTH CAROLINA PROFESSIONAL SEAL ENGINEER DANNY L. BRUSH, JR.
Jan 04, 2010

PROJECT # 2008-09

Warrenton Pie Shop
108&110 S. Main Street
WARRENTON, NC

REVISIONS

DATE
01-04-10
DRAWN BY
DLB
PROJECT NO.
2008-09
SHEET TITLE
MECHANICAL PLAN
SHEET
M3

TRAUB ARCHITECTURE + DESIGN, INC.

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