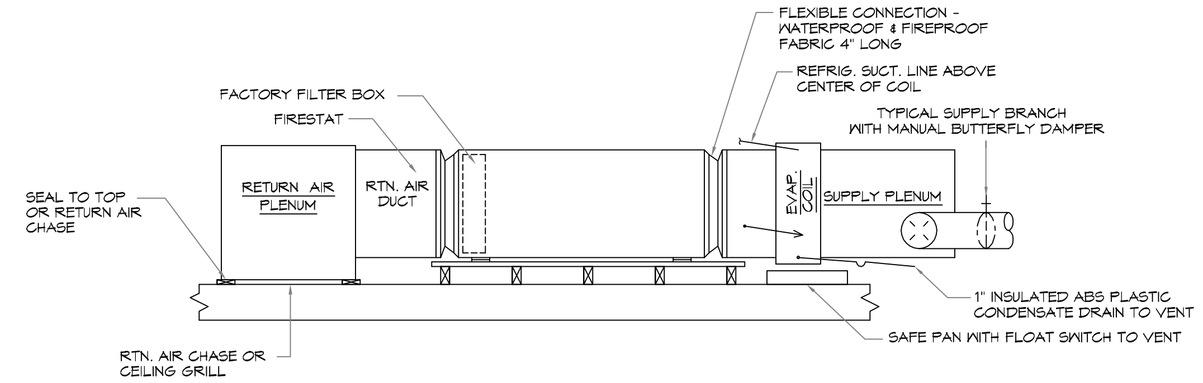


A M101 M101 MECHANICAL DETAIL
SCALE: N.T.S.
HORIZONTAL TYPE

HVAC NOTES

HEATER: ELECTRIC
A/C UNIT "A" 3.5 TONS, 42,000 B.T.U. COOLING, 3.5 H.P.
RETURN AIR: 24" X 24" FILTER GRILLES
A/C UNIT "B" 4 TONS, 48,000 B.T.U. COOLING, 4 H.P.
RETURN AIR: 24" X 24" FILTER GRILLES

COMPRESSOR MOTOR W/ FRACTIONAL HP BLOWER MOTOR

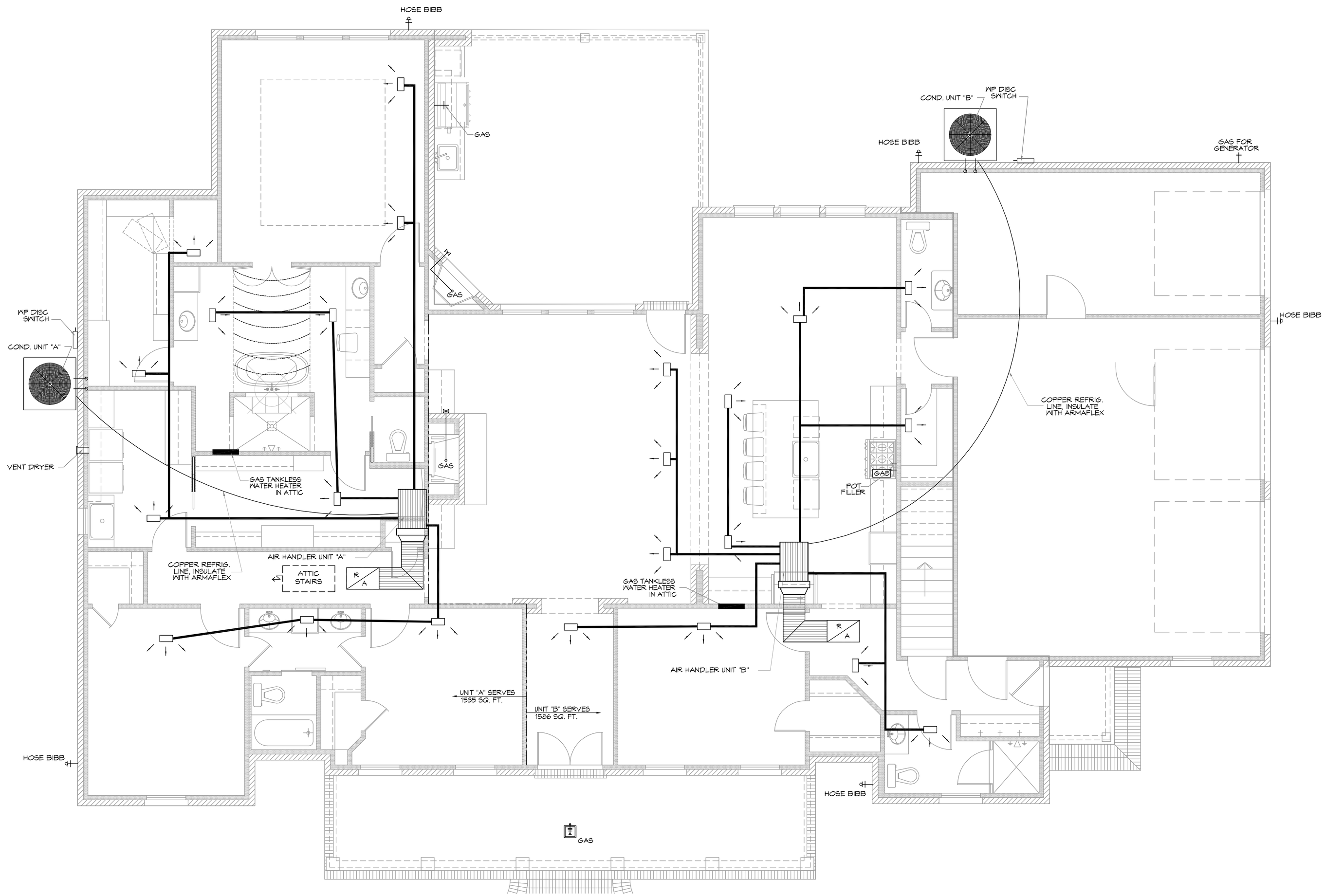
REGISTERS: THREE WAY THROW - 10" X 6" OR 12" X 6" COIL DRAIN CONNECTED TO PLUMBING WITH 1.5" P-TRAP 4'-0" MIN. ATTIC SPACE AT UNIT PROVIDE SOLID CATWALK FROM DISP. S/WAY TO UNIT AND WATER HEATER.

PROVIDE GALV. METAL PAN AND CUTOFF UNDER UNIT AND W/H - DRAIN TO SEWER LINE.

* HVAC CONTRACTOR TO SIZE DUCTS AND BALANCE SYSTEM.
* HVAC CONTRACTOR TO VENT THE FOLLOWING: HEATER VENT LIGHTS IN MASTER BATH AND BATHS, STOVE HOOD IN KITCHEN.

NOTES

1. MECHANICAL SUBCONTRACTOR TO INSTALL HVAC SYSTEM, ACCORDING TO NATIONAL, STATE AND CITY CODE.
2. MECHANICAL SUBCONTRACTOR TO VERIFY HVAC DESIGN LOADS.
3. OWNER TO SELECT PLUMBING FIXTURES WITH CONTRACTOR.
4. DRAWINGS OF SYSTEM ARE SCHEMATIC AND SHOULD BE CONFIRMED BY SUBCONTRACTOR.
5. DUCTS AS SHOWN 26 GAUGE 6.1 INSULATE W/ 2" FIBERGLASS INSULATION.
   * MIN. DUCT SIZE 8" DIAMETER
   * MIN. DIFF. SIZE 10" DIAMETER WITH AIR VOLUME REG.
6. PLACE DAMPER CONTROLS IN ALL DUCT RUNS.
7. THERMOSTAT MIN. HONEYWELL. - WALL MOUNTED
8. MIN. CLEARANCE AT UNIT TO BE 4'-0".
9. PROVIDE 3/4" PLYWOOD, 24" MIN. WIDE CATWALK TO ALL MECHANICALS IN ATTIC. CATWALK - GREATER THAN 20' NEED 6' HEADROOM - MAX. 50' LENGTH. MAINTAIN PROPER CLEARANCE AT UNITS SERVICE AREA
10. CLEARANCE OF ALL HEAT PRODUCING APPLIANCES TO BE GREATER THAN 18" ABOVE OR 6" TO THE SIDE.
11. SEC. R315: CARBON MONOXIDE ALARMS - REQUIRED IN THE SMOKE ALARMS
12. A/C DRAIN TO 1-1/2" P-TRAP
13. PROVIDE 30" MIN. WIDE WORKING PLATFORM TO ACCESS SIDE OF HVAC. ATTIC DECKED WORK AREA MIN. 30" X 30".
14. HVAC SYSTEM SHALL COMPLY WITH SEC 72 NFPA: 101-1991.
15. HVL'S, VL'S, HV'S & GAS RANGE HOODS MUST VENT OUTSIDE. BATHROOM EXHAUST VENTS TO THE OUTSIDE OR PROVIDE MINIMUM 1.5 SQUARE FEET OPENABLE AREA.
16. DRYER MUST BE VENTED TO THE EXTERIOR OF THE RESIDENCE, IN COMPLIANCE WITH THE MECHANICAL CODE. DRYER VENT, LENGTH (MAX. LENGTH 25', - 5' FOR 90 DEGREE TURN, - 2.5' FOR 45 DEGREE TURN OR PER MANUFACTURER) AND DISCHARGE LOCATION.



12 MECHANICAL SCHEMATIC
SCALE: 1/4"=1'-0"

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#	DESCRIPTION	DATE

REVISIONS

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JOB No: 2014 | DATE: 05-17-2014
DRAWN BY: JASON | CHECKED BY: CKD

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SHEET TITLE:
MECHANICAL SCHEMATIC

DRAWING NUMBER:
M101

SHEET No: 9 of # 10

FILE NAME: J:\2014 - RESIDENTIAL\Novak Residence\Current drawings\M101 - MECHANICAL.dwg PLOT DATE & TIME: Friday, May 17, 2013 6:05:11 AM