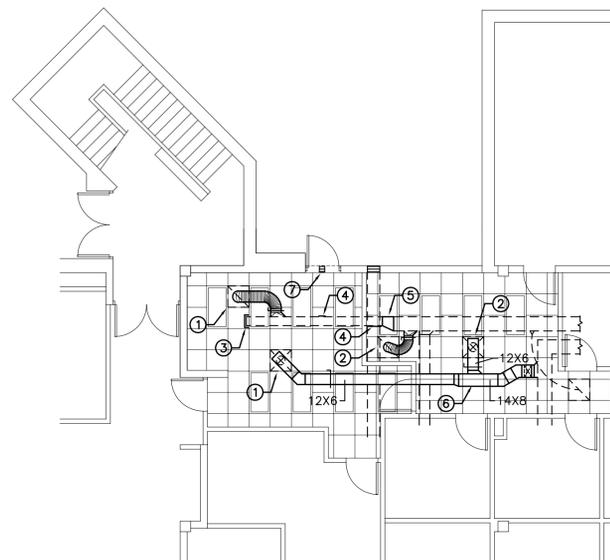


**DUCT MODIFICATION PLAN NOTES**

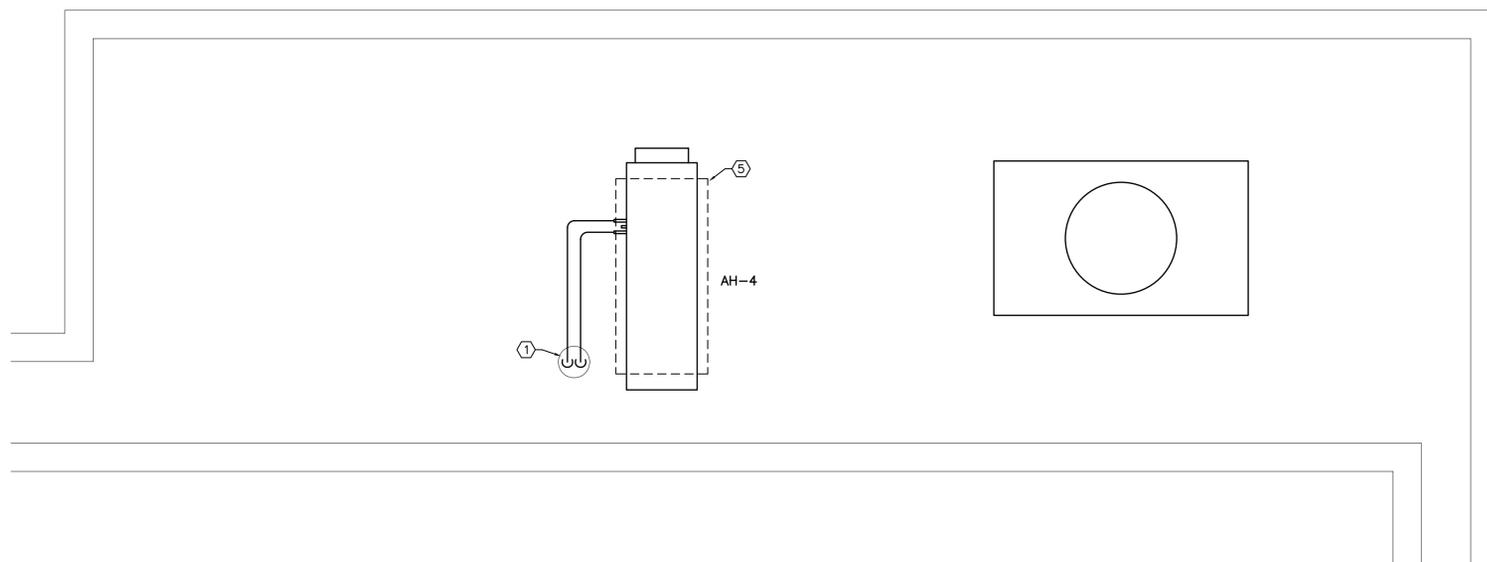
- ① RELOCATED EXISTING AIR DEVICE. CONNECT RETURN GRILLE TO RECTANGULAR DUCT WITH 10" FLEXDUCT AND COLLAR WITH DAMPER EQUAL TO CROWN PRODUCTS 3300-DS 45 DEGREE TAKEOFF. CONNECT SUPPLY DIFFUSER TO BRANCH DUCT WITH FLEX DUCT AND SPLIN IN FITTING WITH NO DAMPER. BALANCE EACH TO 200 CFM.
- ② RELOCATED EXISTING AIR DEVICE. CONNECT RETURN GRILLE TO RECTANGULAR DUCT WITH 10" FLEXDUCT AND COLLAR WITH DAMPER EQUAL TO CROWN PRODUCTS 3300-DS 45 DEGREE TAKEOFF. CONNECT SUPPLY DIFFUSER TO BRANCH DUCT WITH FLEX DUCT AND SPLIN IN FITTING WITH NO DAMPER. BALANCE EACH TO 225 CFM.
- ③ CAP OPEN END OF RETURN DUCT WITH 26 GAUGE SHEET METAL. SEAL AND INSULATE WITH R4.2 FLEXIBLE DUCT WRAP. INSULATION SHALL BE NEATLY TAPED.
- ④ CAP OPENING IN RETURN DUCT WITH 26 GAUGE SHEET METAL. SEAL AND INSULATE WITH R4.2 FLEXIBLE DUCT WRAP. INSULATION SHALL BE NEATLY TAPED.
- ⑤ CONNECT EXISTING 16X10 RETURN DUCT TO EXISTING 10X10 RETURN DUCT WITH 26 GAUGE SHEET METAL TRANSITION. FIELD MEASURE PRIOR TO FABRICATION. INSULATE WITH R4.2 FLEXIBLE DUCT WRAP. INSULATION SHALL BE NEATLY TAPED.
- ⑥ ALL NEW SUPPLY DUCTS TO BE FABRICATED WITH 26 GAUGE SHEET METAL. RECTANGULAR ELBOWS TO HAVE TURNING VANES. INSTALL VOLUME DAMPERS AS INSULATE WITH R4.2 FLEXIBLE DUCT WRAP. INSULATION SHALL BE NEATLY TAPED.
- ⑦ CAP BACK OF LOUVER WITH 26 GAUGE SHEET METAL. SEAL AND INSULATE WITH 1" FIBERGLASS BOARD INSULATION.



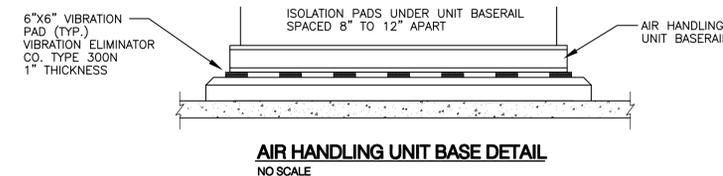
**PARTIAL FIRST FLOOR PLAN - DUCT MODIFICATIONS**  
SCALE: 1/8" = 1'-0"

**AHU PLAN NOTES**

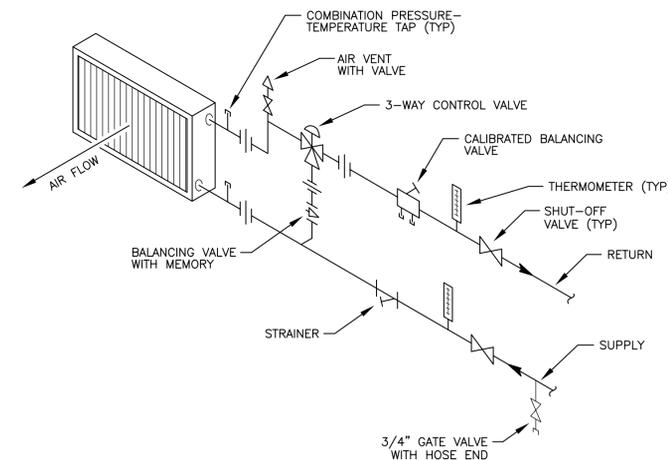
- ① ALL EXISTING DUCTWORK AND PIPING, SHOWN DASHED, SHALL REMAIN. INSTALL NEW DUCTWORK AND PIPING AND MAKE CONNECTIONS AS SHOWN. MAKE MODIFICATIONS AND USE OFFSETS AS REQUIRED.
- ② NEW 12X48 OUTSIDE AIR DUCT CONNECTED TO RETURN AIR PLENUM AND EXISTING OUTSIDE AIR DUCT ABOVE.
- ③ NEW 20X66 RETURN AIR DUCT PIECE CONNECTED TO RETURN AIR PLENUM AND EXISTING OUTSIDE AIR DUCT ABOVE. REINSTALL MOTORIZED DAMPER AND ACTUATOR REMOVED DURING DEMOLITION PHASE.
- ④ EXISTING ARCHITECTURAL LOUVER TO BE REMOVED TO ALLOW FOR THE REMOVAL OF EXISTING EQUIPMENT AND THE ENTRY OF THE NEW EQUIPMENT.
- ⑤ NEW AH-4 SHALL BE SET ON EXISTING ROOF CURB. PROVIDE AND INSTALL CURB ADAPTER AND ADDITIONAL REQUIRED SUPPORT MEMBERS. MODIFY EXISTING CURB AS REQUIRED. MAKE ANY NECESSARY MODIFICATIONS TO EXISTING SUPPLY AND RETURN DUCTS TO ENSURE PROPER CONNECTIONS AT UNIT. RADICAL TRANSITIONS ARE NOT ACCEPTABLE AND WILL NOT BE ALLOWED.
- ⑥ IF NECESSARY MODIFY CONCRETE PAD TO ENSURE PAD EXTENDS A MINIMUM OF 4" BEYOND AIR HANDLING UNIT BASERAIL. EMBED #4 STEEL DOWELS IN EXISTING PAD EVERY 12" AND SET IN PLACE WITH EPOXY.



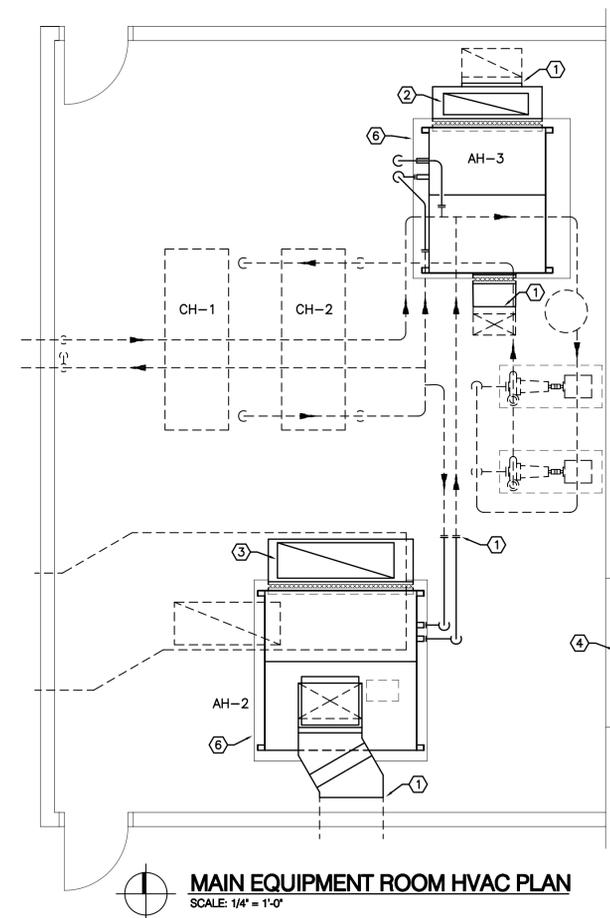
**MECHANICAL EQUIPMENT ROOF COURT PLAN**  
SCALE: 1/4" = 1'-0"



**AIR HANDLING UNIT BASE DETAIL**  
NO SCALE



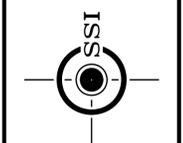
**COIL PIPING DIAGRAM - 3-WAY VALVE**  
NOT TO SCALE



**MAIN EQUIPMENT ROOM HVAC PLAN**  
SCALE: 1/4" = 1'-0"

NO.	DATE	REVISIONS
1		
2		
3		
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9		

**H.C.S.O.**  
**SHERIFF'S OPERATION CENTER**  
2008 8TH AVENUE  
TAMPA, FLORIDA 33605



DATE	04-13-08
PROJECT NO.	0615
DRAWN	W.W.
CHECKED	F.O.

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