

This mechanical layout drawing illustrates the proposed HVAC system modifications for a building renovation. The plan shows various rooms including offices, a reception area, a computer room, and a lobby. Key components and annotations include:

- Ductwork:** Red lines represent supply ducts, and blue lines represent return ducts. Existing trunks are shown as dashed lines.
- Diffusers:** Various sizes of diffusers are indicated, such as 14 x 8 (172 cfm), 12 x 6, 10 x 4, 14 x 6 (108 cfm), 14 x 8 (122 cfm), 14 x 8 (130 cfm), and 10 x 8 T.
- Equipment:** Units are labeled with wattage, including 500 WATT BB, 750 WATT BB, and 750 WATT BB.
- Annotations:**
 - "EXTEND 12X8 TRUNK AND ADD BRANCHES (REUSE TAKEOFF AS NEEDED), ONSITE LOCATE"
 - "ADD NEW RETURN TRNK FOR NEW OFFICES AND HALL WAY"
 - "ADD SUPPLY LAYIN DIFFUSORS (WITH BUTTERFLY DAMPERS) AND RETURN WALL GRILLS (WALL CAVITIES) AS PER PLAN"
 - "RELOCATE THERMOSTAT TO NEW HALL WAY"
 - "SEAL ALL DUCT WITH (MASTIC TYPE / PAINT ON)"
 - "RETURN GRILLS TO BELOW WALL , METAL ON TOP OF WOOD PLATE , SEAL ANY HOLES IN RETURN CAVITY"
 - "INSTALL NEW HRV , VENTING, DUCT CONDENSATION PUMP AND DEDICATED ELECTRICAL PLUG . INTERLOCK WITH FURNACE ."
 - "EXISTING HRV - DISCONNECT FRESH AIR AND EXHAUST FROM BASEMENT FURNACE . FILL ALL HOLES AND SEAL DUCT"
 - "TYPICAL 4 OR 5 FT FLEX FOR EACH BRANCH (TYPICAL)"
 - "RELOCATED 30X8 RETURN 2-7' ROUND TO WALL CAVITY"
 - "REMOVE RETURN GRILLS IN WALL , PATCH WALL"
 - "REMOVE SUPPLY GRILL FROM OFFICE"
 - "TAKE RETURN TRUNK DOWN . PATCH HOLES , REPAIR WALL , RE-INSTALL TRUNKS"