

DETAIL SHOWING END OF DUCT INSTALLATION  
NO SCALE - THIS DETAIL TYPICAL FOR LAWYER + JURY ROOMS

NOTE:  
ON ALL EXPOSED DUCT WORK WHERE GRILLES OR REGISTERS ARE INSTALLED IN BOTTOM, SIDE OR END OF DUCT FRAME OF GRILLE OR REG MUST NOT OVERHANG DUCT INCREASE DUCT SIZE WHERE NECESSARY SEE DIAGRAMS A & B AT RIGHT

SCHEDULE OF EQUIPMENT

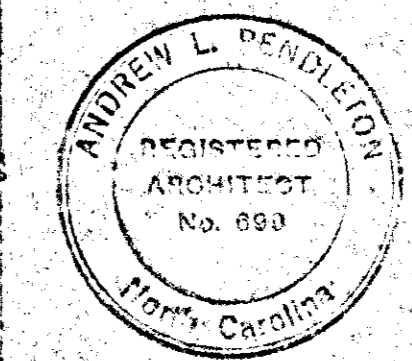
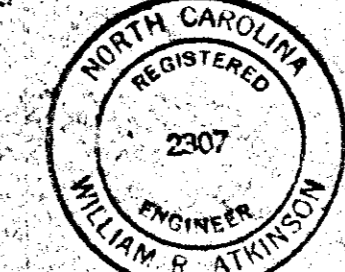
- 1 CONDENSING UNIT - WORTHINGTON 2VHJ8-AR02. CAPACITY 800 TONS AT 55° AMB. AIR AND 40° EVAPORATOR TEMP. OR APPROVED EQUAL - SUITABLE FOR OPERATION ON 220-3PH-60CY POWER
  - 2 EVAPORATOR-BLOWER UNIT - WORTHINGTON MODEL CPC-1000. CAPACITY 100,000 BTUH AT 55° AMB AND 27° EVAPORATOR CAPACITY OR APPROVED EQUAL - FURNISH WITH INLET GRILLE AND PLENUM - SUITABLE FOR OPERATION ON 220-3PH-60CY POWER
  - 3 EVAPORATOR-BLOWER UNIT - WORTHINGTON MODEL CPC-800. CAPACITY 75,000 BTUH AT 55° AMB AND 27° EVAPORATOR CAPACITY OR APPROVED EQUAL - FURNISH WITH INLET GRILLE AND PLENUM - SUITABLE FOR OPERATION ON 220-3PH-60CY POWER
- PROVIDE SIZES AND VARIETIES  
ALL REFRIGERATING EQUIPMENT

LEGEND

- SUPPLY DUCT - UNLESS OTHERWISE DESIGNATED
- RETURN DUCT
- 45° TAKE-OFF - EXCEPT TAKE-OFFS INTO COURT ROOM - SEE TYPICAL DRAWING ON PLAN
- SUPPLY REGISTER - ON END OF BRANCH DUCT
- SUPPLY REGISTER IN SIDE OF MAIN WITH DEFLECTOR
- RETURN GRILLE ON UNDERSIDE OF DUCT
- RETURN GRILLE IN PLATFORM RISER

NOTES AND SPECIFICATIONS

- 1 ALL WALLS CONCERNED ARE TO BE PATCHED AND PAINTED TO MATCH ADJACENT UNDISTURBED AREA
- 2 ALL NEW WORK EXCEPT THAT IN ATTIC SPACE TO BE FINISHED BY INSTALLING CONTRACTOR TO MATCH ADJACENT WALLS, CEILINGS AND/OR WOODWORK
- 3 EACH RESPONSIBLE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING SITE AND ACQUAINTING HIMSELF THOROUGHLY WITH ALL EXISTING CONDITIONS WHICH AFFECT IN ANY MANNER HIS PROPOSAL FOR COMPLETION IN ACCORDANCE WITH ABOVE PLANS & SPECIFICATIONS
- 4 SEE SHEET E-1 FOR ELECTRIC POWER AND CONTROL CONNECTIONS
- 5 ALL REFRIGERANT SUCTION LINES SHALL BE INSULATED WITH GUSTIN-BACON MOULDED FIBERGLASS 1" THICK WITH FACTORY APPLIED VAPOR BARRIER. ALL JOINTS IN VALVE, BARRIER SHALL OVERLAP AND BE SEALED WITH ADHESIVE. STAPLED WITH OUTWARD CLINCH STAPLES ON 4" CENTERS. BOTH SUCTION AND LIQUID LINES ARE TO BE INSULATED AS STATED ABOVE IN TOILET ROOM, OUTSIDE OF BLDG. AND DROPS IN CONDITIONED AREAS. PIPING OUTSIDE SHALL BE FINISHED WITH A CHILDREN PROOF CORRUGATED ALUMINUM PIPE INSULATION JACKET SECURED WITH ALUM. BANDS ON 12" CENTERS. USE 3/8" X 1/2" ALUM. BANDS.
- 6 THIS CONTRACTOR SHALL SUPPLY AND INSTALL 2" X 2" X 1/4" ANGLE IRON LINTELS AS REQUIRED TO SUPPORT BRICK WALL OVER PENETRATIONS
- 7 THE 20" X 36" RETURN RISER PLENUM SHALL BE A MINIMUM OF 22 GAUGE GAL. IRON. ALL OTHER DUCT WORK AND TRANSITIONS SHALL BE OF 22 GA. GAL. IRON. ALL DUCT WORK SHALL BE CROSS-BRACKED FOR VIBRATION CONTROL. ALL DUCT SHALL HAVE LOCK TYPE LONGITUDINAL JOINTS AND DRIVE-SHIP TRANSVERSAL JOINTS.
- 8 SUPPLY DUCTS AND RETURN LATERALS ARE TO BE INSULATED INSIDE WITH GUSTIN-BACON 1/2" X 3/8" REFRIG. DUCT LITER OR APPROVED EQUAL
- 9 ALL PIPING SHALL BE CLEANED, EVACUATED AND CHARGED WITH REFRIG. 22 AND TESTED FOR LEAKS. NECESSARY DIAPHRAGM FILTERS AND SERVICING VALVES SHALL BE FURNISH AND INSTALLED IN SYSTEM. PIPING SHALL BE SUPPORTED AND PITCHED IN ACCORDANCE WITH ASHRAE STANDARDS
- 10 THIS CONTRACTOR SHALL BALANCE AIR FLOW AND CHECK ENTIRE SYSTEM FOR OPERATION AS AN INTEGRATED AIR COLLING AND DISTRIBUTION SYSTEM
- 11 USE GONWELL 150 HANGERS & SHEET METAL SADDLES ON INSULATED PIPE. PROVIDE ALL STEEL 100 TYPE HANGERS, SUPPORTS, AND DUCT WORK SUPPORTS



AIR CONDITIONING FOR THE  
IREDELL COUNTY  
COURT HOUSE  
STATESVILLE, N. C.

DESIGN ASSOCIATES  
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STATESVILLE, N. C.  
PROJECT NO. 6821 OCT 9, 1961