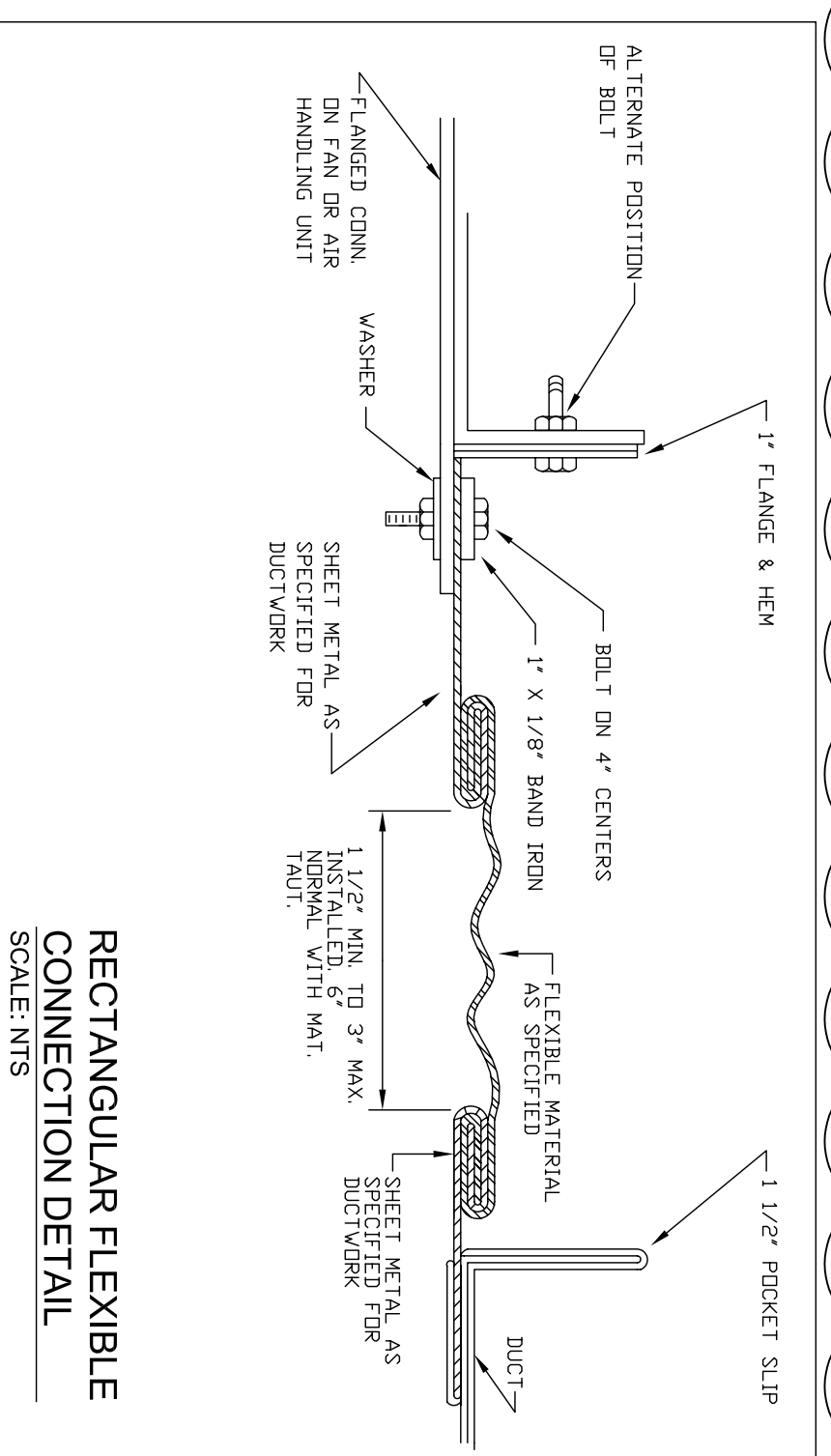
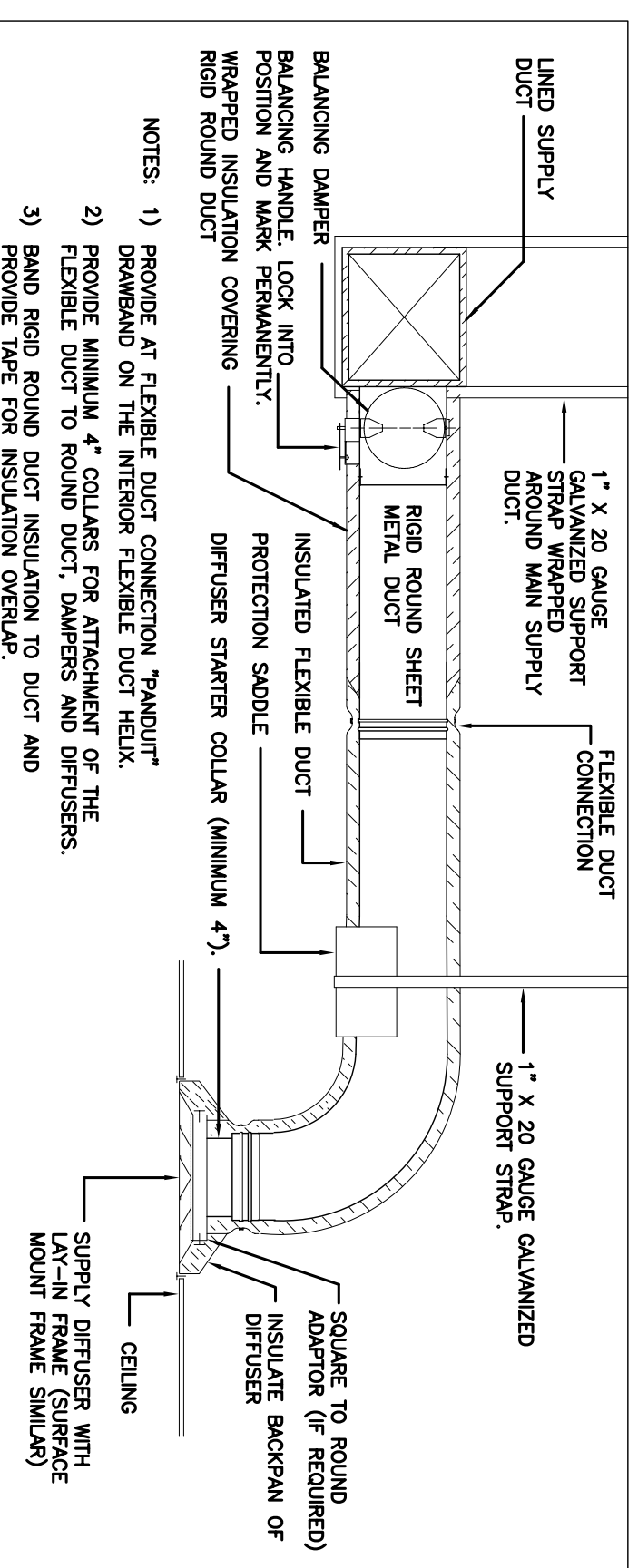


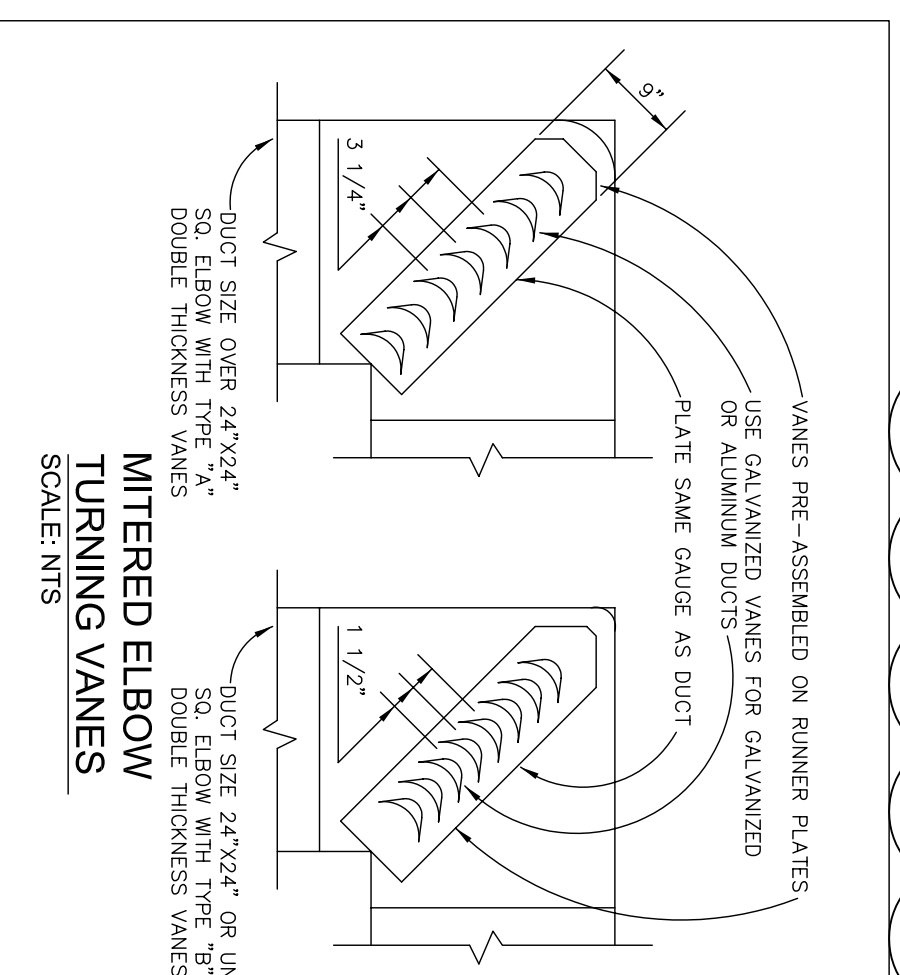
TYPICAL HORIZONTAL AHU DETAIL
SCALE: N.T.S.



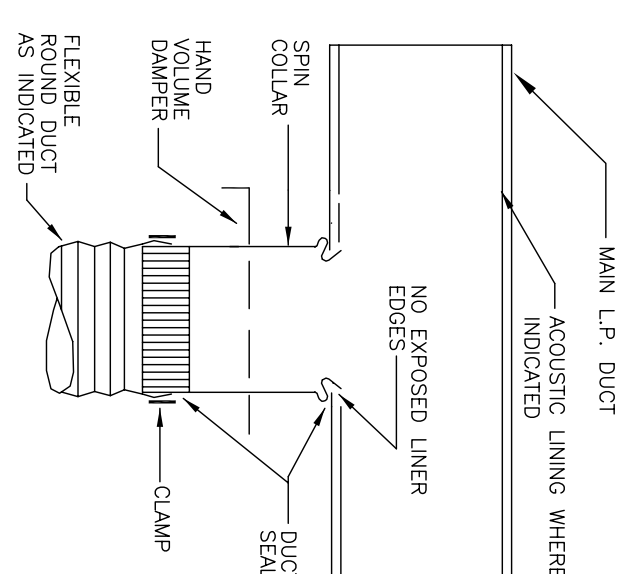
RECTANGULAR FLEXIBLE CONNECTION DETAIL
SCALE: N.T.S.



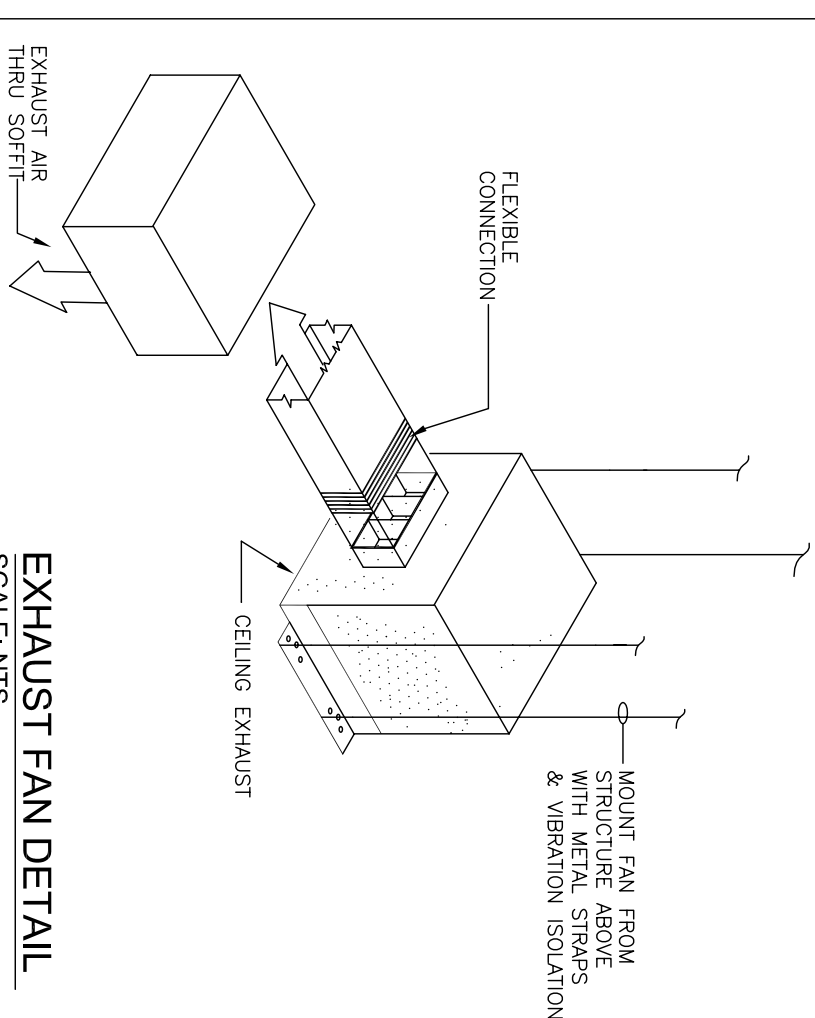
DIFFUSER CONNECTION DETAIL - FLEX DUCT
N.T.S.



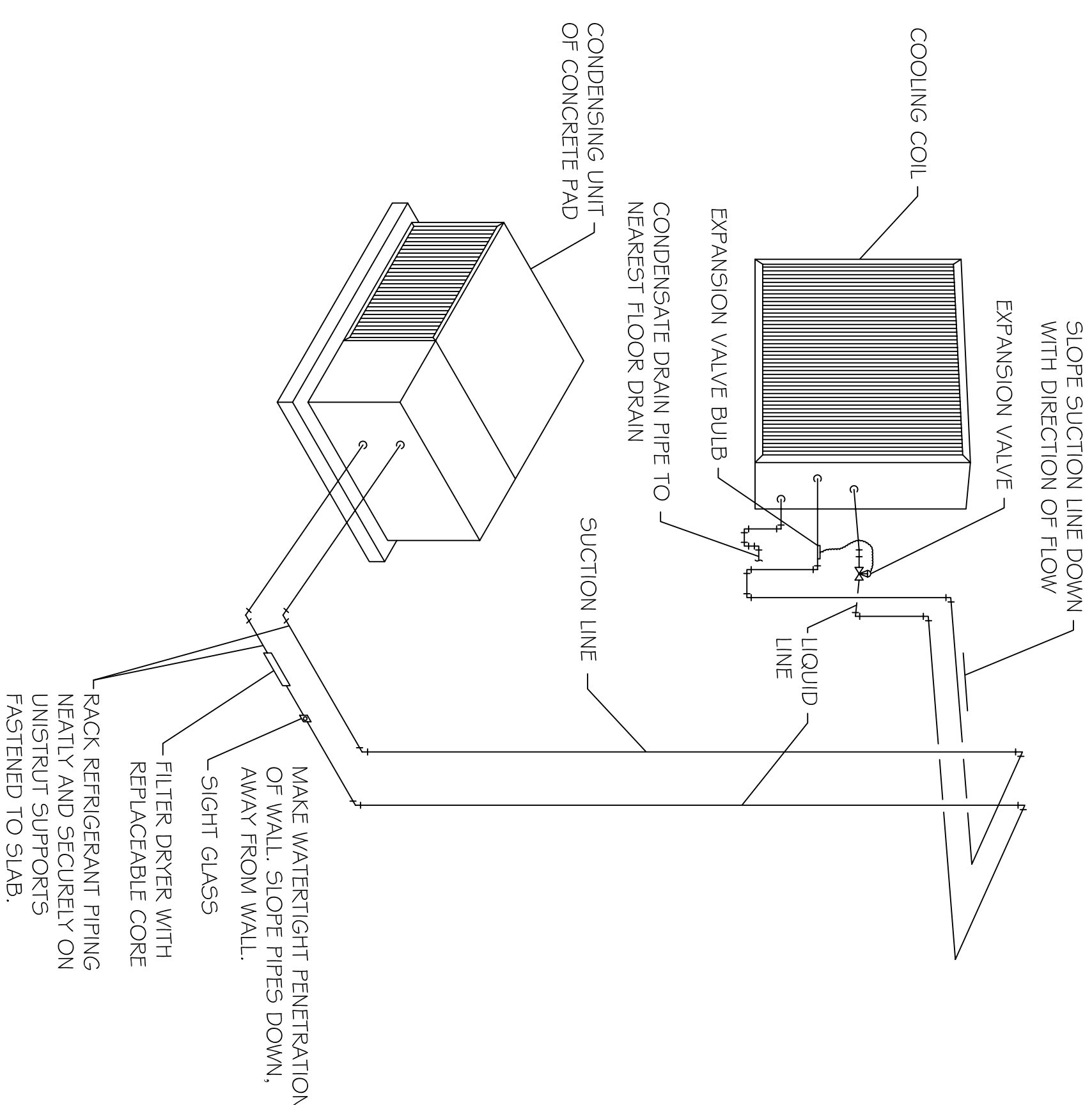
MITERED ELBOW TURNING VANES
SCALE: N.T.S.



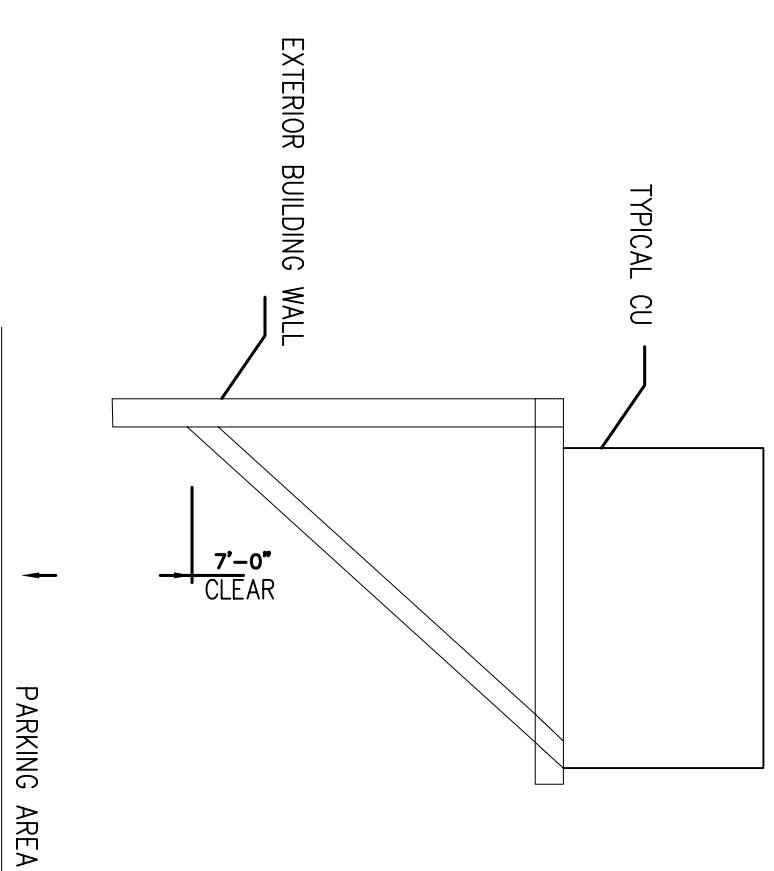
TYPICAL DUCT TAKE-OFF
SCALE: N.T.S.



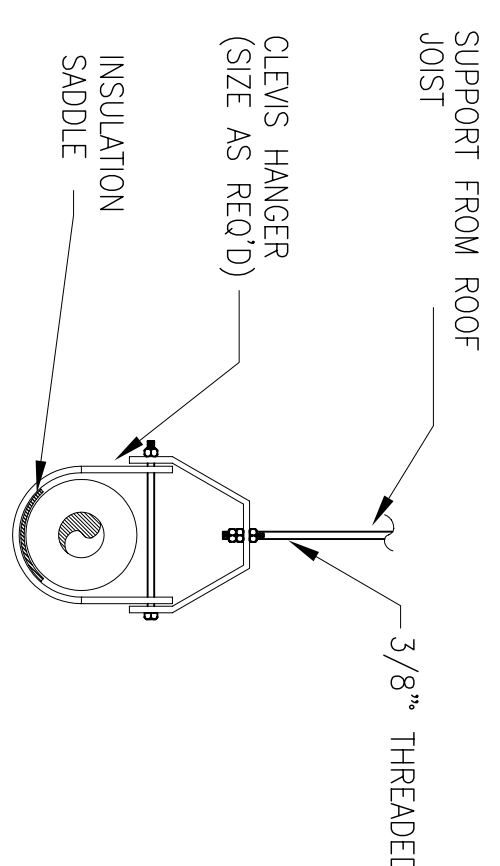
EXHAUST FAN DETAIL
SCALE: N.T.S.



TYPICAL REFRIGERANT PIPING DIAGRAM
SCALE: N.T.S.



TYPICAL CU
NOTE: CONDENSER PLATFORMS AND BRACES WILL BE COMPOSED OF MATERIALS THAT MEET THE REQUIREMENTS FOR EACH SCENARIO. ALL PLATFORMS AND EQUIPMENT MUST BE SECURED AND CAPABLE OF WITHSTANDING 140 MPH WINDS.
REMOTE COMPRESSOR PLATFORM DETAIL
N.T.S.



TYPICAL HANGER DETAILS - PIPE
N.T.S.

HVAC NOTES

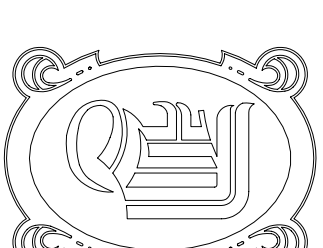
1. CONCEALED DUCTWORK TO BE UL-181, CLASS 1, FIBERGLASS DUCTBOARD. DUCTS SHALL BE SIZED TO LIMIT MAIN DUCTS TO 1000 CFM & SECONDARY DUCTS TO 800 CFM. TO BE INSTALLED PER SMACNA STANDARDS.
2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL PER SMACNA STANDARDS. LINE WITH NEOPRENE COATED 1.0 - 1.5 POUNDS PER CUBIC FOOT DUCT INSULATION.
3. ROUND FLEXIBLE DUCT TO BE UL-181 CLASS 1, AIR DUCT MATERIALS.
4. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
5. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
6. PROVIDE UL LISTED 125 F. FIRE-RATE IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
7. PROVIDE U.L. RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES.
8. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
9. ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
10. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
11. EXHAUST FAN EQUAL TO BROAN MODEL NO. 100 CF. OR EQUAL. FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
12. PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
13. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS.
14. LOCATE OUTDOOR UNITS AS SHOWN ON ARCH. DIMS.
15. REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
16. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
17. INSTALL FIRE DAMPER WHERE S.A. & R.A. DUCTS PENETRATE 1 HOUR RATED CEILING.
18. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS SHALL BE FIRE CALKED. PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM E-81.
19. DRAWN DIAGRAMATICALLY.

MECHANICAL LEGEND

| | |
|---|--|
| SUPPLY DIFFUSER (TYPE X, YYY CFM) | |
| RETURN GRILLE (TYPE X) | |
| RECTANGULAR DUCT X" X" WIDE, Y" DEEP (INSIDE CLEAR DIMENSION) | |
| ROUND DUCT X" DIAMETER (INSIDE CLEAR DIMENSION) | |
| DUCT TRANSITION: RECTANGULAR TO RECTANGULAR | |
| DUCT BRANCH TAP: ROUND SPRING DAMPER | |
| THERMOSTAT - MOUNT 48" AFF | |
| MANUAL BALANCING DAMPER (MBD) | |

THESE PLANS HAVE BEEN PREPARED UNDER MY DIRECT SUPERVISION, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, COMPLY WITH ALL THE BUILDING CODES OF THE CITY OF NEW ORLEANS, AS WELL AS STATE AND NATIONAL CODES. I AM NOT SUPERVISING THE WORK.

BRIAN A. MISTICH



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ARCHITECTURE
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NEW BAPTIST CHURCH

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NEW ORLEANS, LA

MECHANICAL NOTES & SCHEDULE

REV: 2-1-2008

SCALE: AS NOTED

JOB#: 1910

DATE: 12-14-07

SHEET 15

M-1

OF 20