

147 Wappoo Creek Drive Suite 400  
Charleston, SC 29412  
P 843.762.2222

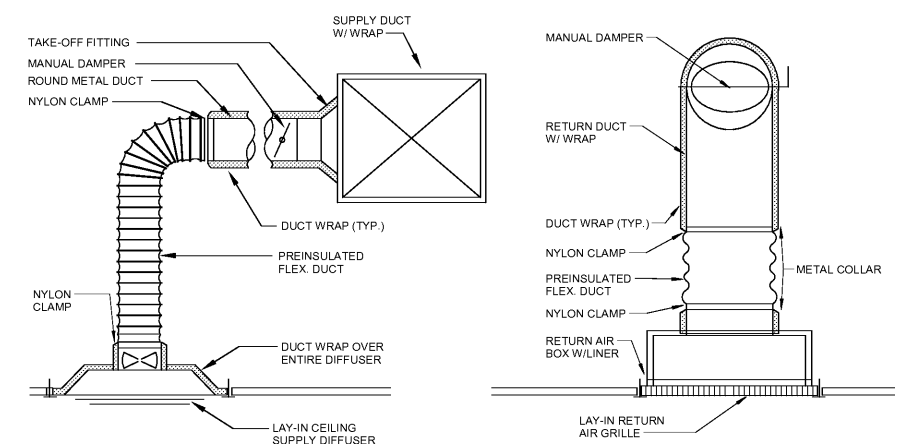


Revision table with columns: Revision Date, Description

Town of James Island  
**James Island  
Town Hall**  
1122/1126 Dills Bluff Road  
Charleston, SC.

Project information table: Project Number (15169-00), Checked By (MAU), Drawn By (EAG), Date (4/3/2017), Scale (NOT TO SCALE)

**M004**  
HVAC DETAILS



- NOTES:  
1. INSTALL NYLON CLAMPS ON INNER FLEX DUCT LINER AND OUTER JACKET. TAPE ENDS OF PREINSULATED FLEX DUCT AT THE DIFFUSER AND THE BRANCH DUCT CONNECTION.  
2. RETURN AIR BOX SHALL BE MINIMUM 12" HIGH. RETURN DUCT MAY TAP INTO THE SIDE OF THE BOX A MINIMUM OF 6" ABOVE GRILLE.  
3. PROVIDE YOUNG REGULATOR REMOTE DAMPER CONTROLLER FOR EACH DIFFUSER AND GRILLE LOCATED IN AREAS WITH INACCESSIBLE CEILINGS. LOCATE CONTROLLER IN A CONCEALED, ACCESSIBLE LOCATION.

**1** TYPICAL DIFFUSER/GRILLE INSTALLATION DETAIL  
M004 NOT TO SCALE

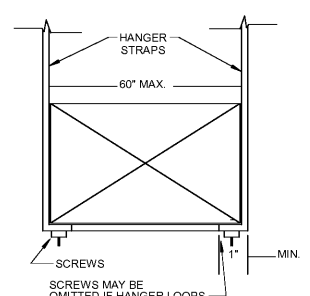
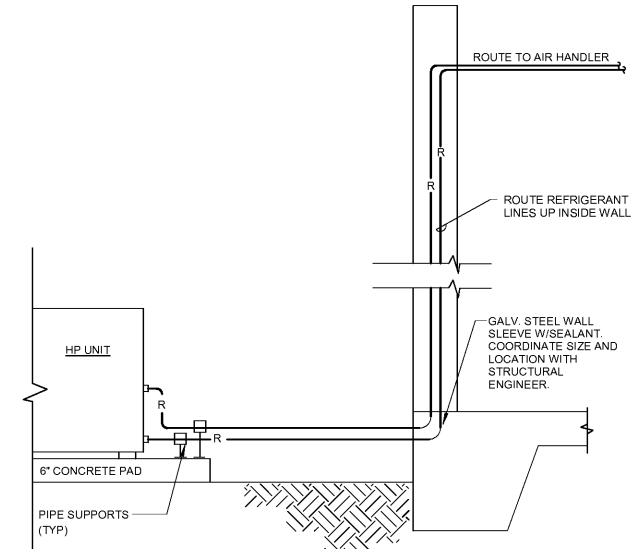


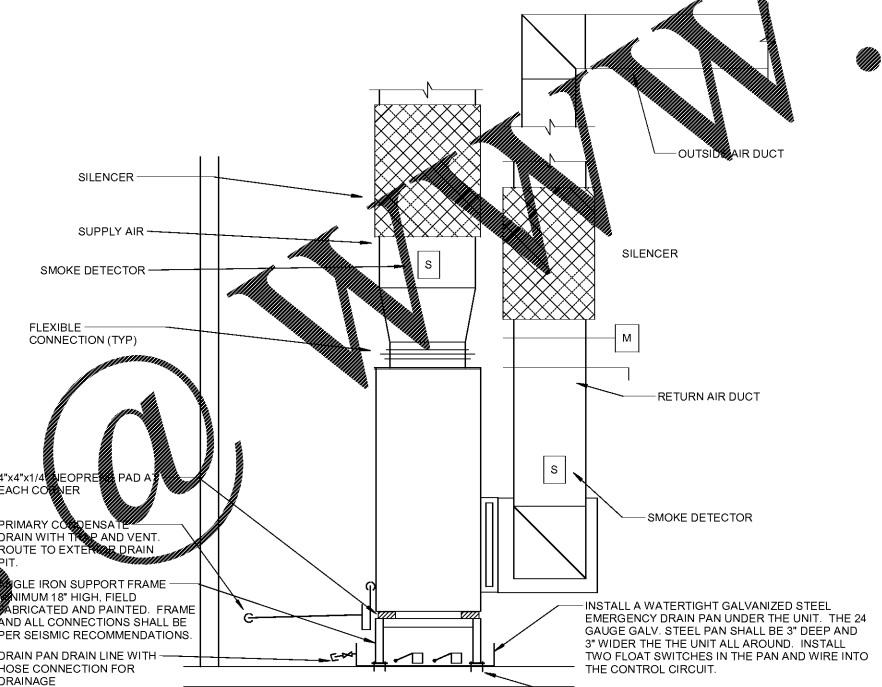
TABLE 4-1 RECTANGULAR DUCT HANGERS MINIMUM SIZE. Includes a table with columns for spacing (4ft, 5ft, 8ft, 10ft) and fastener types (Strap, Wire/Rod). Also includes a section for SPECIAL ANALYSIS REQUIRED.

**2** SUPPORT DETAIL  
M004 NOT TO SCALE



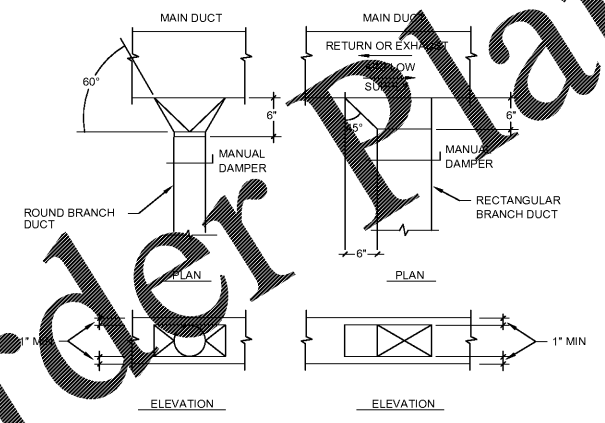
- NOTES:  
1. ALL PIPING SHALL BE HARD DRAWN COPPER TUBING WITH SOLDERED JOINTS.  
2. SUCTION LINE INSULATION OUTDOORS SHALL BE PAINTED WITH A WEATHERPROOF COATING.

**3** HEAT PUMP INSTALLATION DETAIL  
M004 NOT TO SCALE



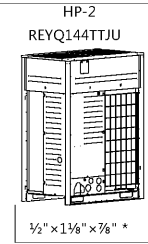
- NOTES:  
1. RELIEF DUCT NOT SHOWN FOR CLARITY. REFERENCE SCHEMATIC DETAIL.  
2. SEE NOTE ON 4/M005.

**4** VERTICAL HP INSTALLATION DETAIL  
M004 NOT TO SCALE

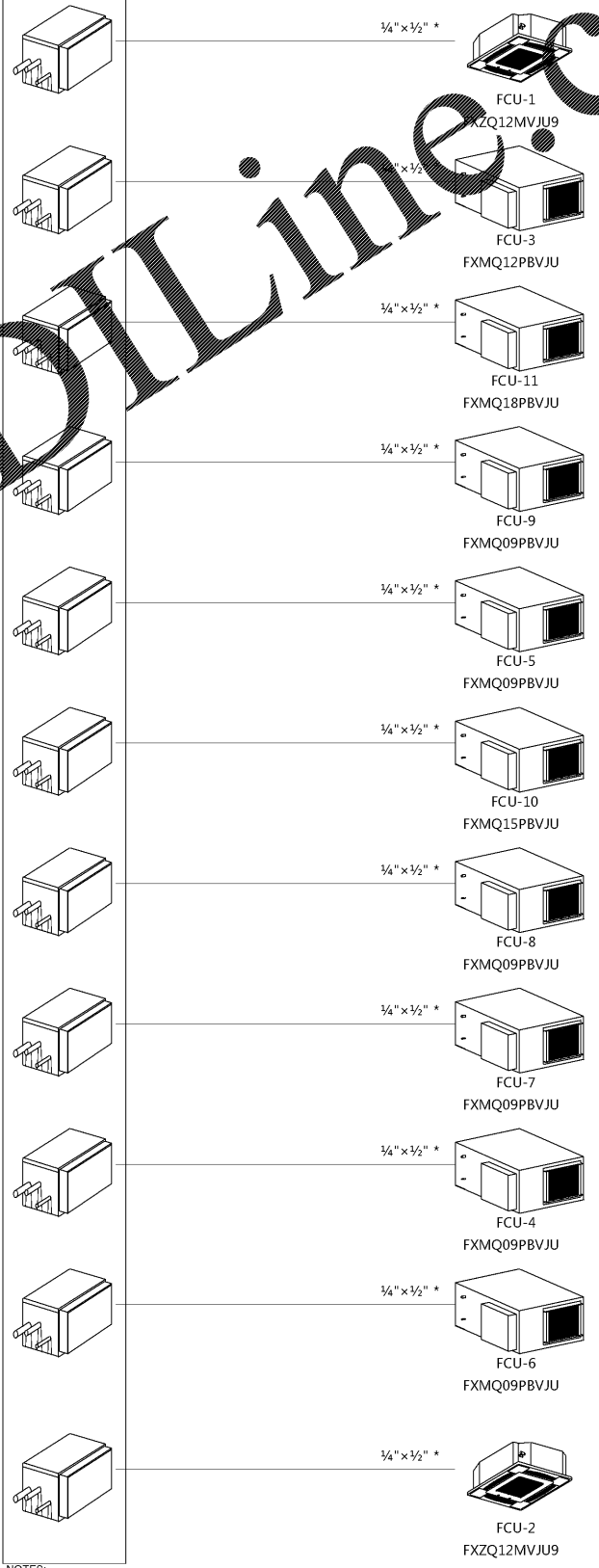


- NOTE:  
1. CONTRACTOR MAY SUBSTITUTE FLEXMASTER CB-D, STO, OR STOC FOR INDICATED TAKE-OFF.  
2. CONTRACTOR MAY SUBSTITUTE CROWN 716 FOR INDICATED TAKE-OFF.  
3. FITTINGS 716, STO, AND STOC SHALL BE SCREWED TO THE TRUNK DUCT AND SEALED WITH MASTIC. MASTIC TAPE IS NOT ACCEPTABLE. SEE SPECIFICATIONS.

**5** TYPICAL DUCT TAKE OFF INSTALLATION DETAIL  
M004 NOT TO SCALE



BS 1  
BS12Q54TVJ



- NOTES:  
1. PIPES MARKED WITH \* IN THE DIAGRAM MUST BE CONNECTED TO THE DEVICE WITH A REDUCING JOINT.  
2. PIPE DIMENSIONS FOR REFERENCE ONLY. VERIFY FINAL SIZING AND LENGTHS WITH MANUFACTURER.

**6** VRV PIPING DIAGRAM  
M004 NOT TO SCALE