

<h3 style="text-align: center;">FIRE DAMPER DETAIL</h3> <p><b>REMAINING ANGLES 1" x 1" x 1/4" MIN. ALL SEES (SEE NOTE #2)</b></p> <p><b>MANUFACTURER OF FIELD 16 GA. 30 STEEL SHEET</b></p> <p><b>NOTE #1</b>      HEAT ROSEBET LINK      WAPROF SHEET METAL DUCT      ALL SEES LABELED      SCREW TO STEEL      DUCT SMOKE DETECTOR PROVIDED BY MANUFACTURER OF FIELD</p> <p><b>DUCT SMOKE DETECTOR PROVIDED BY MANUFACTURER OF FIELD</b></p> <p><b>NOTE #2</b>      PLANT 1/2" GAP (TYP) BROW-AWAY      CONNECTION ANGLE 1" MIN. OVERLAP      ALL SEES      6" MAX.</p> <p><b>1. PROVIDE ACCESS DOOR &amp; LIGHT ON SIDE OR BOTTOM OF DUCT AS FOLLOWS:</b></p> <p>DOOR SIZE:      12" x 12"      14" x 14"      18" x 18"      22" AND ABOVE</p> <p><b>2. 1" x 1/4" x 1/4" REMAINING ANGLES SHALL BE STRUCTURAL OPENING 1" MIN. &amp; SHALL BE ATTACHED TO EACH OTHER AT CORNERS OR TO WALL</b></p> <p><b>3. ALL ATTACHMENTS PER MANUFACTURER'S APPROVED INSTALLATION INSTRUCTION.</b></p> <p><b>4. VERTICAL POSITION SHOW HORIZONTAL INSTALLATION SIMILAR.</b></p> <p><b>5. ACTIVATOR TO BE MOUNTED ON OUTSIDE OF DAMPER SEIZE ON ACCESSIBLE TO THE FIELD JOISTS.</b></p> <p><b>6. 50 HALL THE LINK MAY BE SPANNED WITH THE DAMPER IN CLOSED POSITION.</b></p>	<h3 style="text-align: center;">NON-RATED PENETRATIONS</h3> <p><b>CONCRETE OR MASONRY CONSTRUCTION</b></p> <p><b>CAULK BEAD AROUND EDGE BETWEEN DUCT AND WALL</b></p> <p><b>SPACE AT CORNERS 1/8"</b></p> <p><b>MANUAL COMPRESSION OF MESHES TO ALLOW SPACE BETWEEN DUCTS AND NON RATED WALLS 1/8"</b></p> <p><b>METAL DUCT</b></p> <p><b>CAULK BEAD AROUND EDGE BETWEEN DUCT AND WALL</b></p> <p><b>EXTERNAL THERMAL INSULATION</b></p> <p><b>METAL STUD CONSTRUCTION</b></p> <p><b>WITH GAP CONSTRUCTION USING WOOD BRIDGING</b></p>	<h3 style="text-align: center;">PIPE HANGER DETAIL</h3> <p><b>PIPE CLAMP USE FOR C BEAM</b></p> <p><b>FLARED ENDS</b></p> <p><b>THREADED ROD</b></p> <p><b>ALL INSULATION PASSES THROUGH HANGER</b></p> <p><b>CLAMP HANGER - SIZE PER PROJECT SPECIFICATION.</b></p> <p><b>FLARED END</b></p> <p><b>CONCRETE ARE CLIPPED</b></p> <p><b>FLARED ENDS</b></p> <p><b>LENGTH = TWICE INSULATION OUTSIDE DIAMETER</b></p> <p><b>NOTE: 1) WHEN SPANNED, FLARE IS NOT OF PROPER THICKNESS SUBSTITUTE TILL CALCIUM SULFIDE</b></p> <p><b>2) FOR FIBERGLASS USE FIBERGLASS OR CALCIUM SULFIDE THROUGH HANGER WHEN SEAL BEHIND OF INSULATION.</b></p> <p><b>3) UNSUPPORTED LINES DO NOT REQUIRE SHIELD.</b></p> <p><b>NOTE: INSULATE MINIMUM TWO TIMES INSULATION DIAMETER FOR INSULATION LINES</b></p>	<h3 style="text-align: center;">REFRIG. PIPE SUPPORT</h3> <p><b>TYPICAL AL-THERMO CONTINUOUS ONE PIECE IF ROOF IS NOT PENETRATED</b></p> <p><b>TYPICAL RING INSULATION DO NOT CROSS</b></p> <p><b>TYPICAL GALVANIZED SHEET METAL SLOTTED ROOF TO SUPPORT INSULATION</b></p> <p><b>TYPICAL SLOTTED ROOF WITH TYPICAL SLOTTED SLOTS</b></p> <p><b>TYPICAL RING WITH TYPICAL RING WITH TYPICAL BOTH SIZES OF SHIRT</b></p> <p><b>TYPICAL SHIRT MOUNTED PIPE STRAP</b></p> <p><b>NOTE: LENGTH AS REQUIRED BY NUMBER OF PIPES AND SIZES REQUIRED</b></p> <p><b>NOTE: 1. REFER TO SPECIFICATIONS AND FLOOR PLANS FOR MATERIAL AND SIZES</b></p> <p><b>2. SLOTTED HANGER ROD, SHIRT, NUTS, WASHER, WASHERS SHALL BE GALVANIZED</b></p>
<h3 style="text-align: center;">SMOKE DETECTOR (CEILING)</h3> <p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>ALL SPACES TO BE MADE PER NEC-NO</li> <li>REFERENCES JOINTING MASTER CONTRACT SPECIFICATION DESIGN SECTIONS</li> <li>CONDUIT AND RINGS BY ELECTRICAL CONTRACTOR</li> </ol>	<h3 style="text-align: center;">RIGID DUCT HANGER</h3> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>NO POP RINGS ALLOWED, USE SELF-TAPPING SPECTRUM SCREWS ONLY.</li> </ol>	<h3 style="text-align: center;">FLEX DUCT HANGER</h3> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>DUCT SHOULD EXTEND STRAIGHT FOR SEVERAL INCHES FROM A CONNECTION BEFORE BENDING.</li> <li>SUPPORT SYSTEM MUST NOT DAMAGE DUCT OR CAUSE OVAL OF ROUND SHAPE.</li> </ol>	<h3 style="text-align: center;">CONDENSATE PIPING DETAIL</h3> <p><b>NOTE:</b></p> <ol style="list-style-type: none"> <li>REFER TO SPECIFICATIONS AND FLOOR PLANS FOR MATERIAL AND SIZES</li> <li>SLOTTED HANGER ROD, SHIRT, NUTS, WASHER, WASHERS SHALL BE GALVANIZED</li> </ol>
<h3 style="text-align: center;">FLEX DUCT CONNECTION</h3> <p><b>1" WIDE HANGER 22 GA. TO STRUCTURE ABOVE AS PER SIMONA STANDARDS</b></p> <p><b>LOW VELOCITY SUPPLY</b></p> <p><b>INSULATED FLEXIBLE DUCT SUPPORT AT EVERY JOINT (MAX.)</b></p> <p><b>1.5" WIDE STRAP SQUARE SUPPORTED TO STRUCTURE ABOVE WITH 12 GA. HANGER WIRE</b></p> <p><b>2.5" x 1.5" = 22 GA. CHANNEL AT 8"-0" O.C. MAX.</b></p> <p><b>INSULATED &amp; VAPOR SEALER &amp; TAPE</b></p> <p><b>SEAL JOINT WITH DUCT SEALER &amp; TAPE</b></p> <p><b>DIFFUSER</b></p> <p><b>AIR FLOW</b></p>	<h3 style="text-align: center;">PIPE SUPPORT DETAIL</h3> <p><b>NON REPRESENTATION BEING THROUGHOUT LOWER PROPOSED LOCATION OF A/H</b></p> <p><b>UNINSULATED CHANNEL</b></p> <p><b>PIPE CLAMP</b></p> <p><b>SURFACE MOUNTED THROUGH THE BACK OF THE CHANNEL</b></p> <p><b>16 GA. SHEET METAL INSULATED FOR INSULATED PIPES, 1/4" THICK EXPANDED STEEL FOR UNINSULATED PIPES</b></p>	<h3 style="text-align: center;">AC UNIT RACK DETAIL</h3> <p><b>PROVIDE 4-22 GA. 1 1/2" WIRE</b></p> <p><b>3/8" x 3/4" LONG X 1/2" WIDE</b></p> <p><b>ROTS AND NUTS FASTENED TO WEB OF 3/4" HANGERS AT SELF DRILLING 48 MIN. FLEX SPACES TO WEB OF ALUMINUM STAND RAIL</b></p> <p><b>SECURE TO ROOF STRUCTURE TO WITHSTAND BALANCING WIND LOADS PER AMERICAN ASSOCIATION OF ENGINEERS EQUIPMENT SUPPORTS TO ALLOW WITHSTANDING OF MIN. 150 MPH.</b></p> <p><b>NOTE:</b></p> <ol style="list-style-type: none"> <li>ALL CONNECTIONS TO MEET AMERICAN ASSOCIATION OF ENGINEERS EQUIPMENT SUPPORTS TO THE A/E CONTRACTOR SO AS NOT TO CAUSE VIBRATION TO SYSTEMS SUB-STRUCTURE</li> <li>TO CENTER IN -BEAMS LESS 1" &amp; MORE OF 2" CENTER</li> <li>IF BEAM LOADS COME UP TO 18"-0" LONG, PROVIDE AS SHOWN.</li> </ol> <p><b>DETAIL BASED ON REPRESENTED STAGES AS MANUFACTURED BY THE MANUFACTURER. SEE MANUFACTURER'S INSTALLATION DETAILS FOR INSTALLATION FOR REVIEW AND APPROVAL.</b></p> <p><b>SEE NOTES FOR UNIT SPECIFICATIONS</b></p> <p><b>RAIL SECTION (TYP)</b></p>	<h3 style="text-align: center;">REFRIG. PIPING DETAIL</h3> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>SHIELD CASE OVER FILTER-DRIERS SHALL BE (1) CORN AND SHALL BE INSTALLED OVER THE AIR HANDLING UNIT</li> <li>MOUNT AND SUPPORT ON BRACKET, AND CLAMPS.</li> </ol>