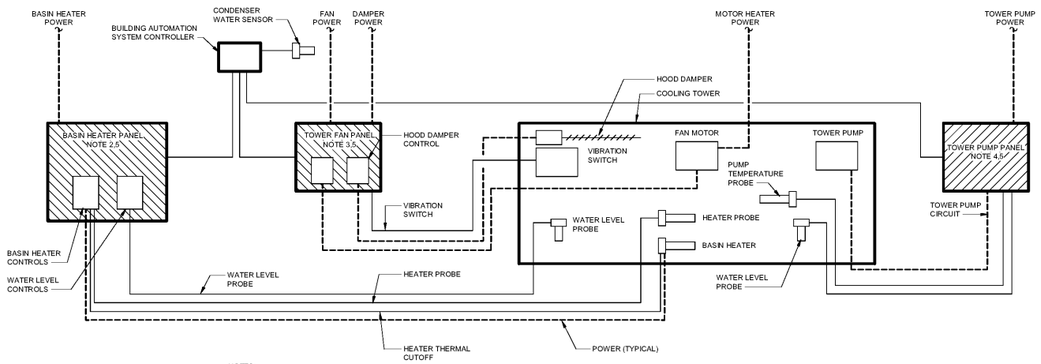
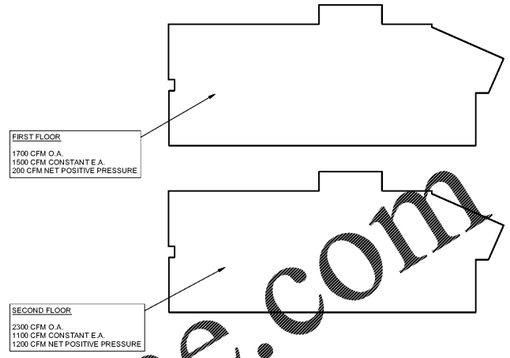


NOTES:

1. SCHEMATIC IS FOR EACH COOLING TOWER CELL.
2. PANEL INCLUDES BASIN HEATER.
3. PANEL INCLUDES VARIABLE FREQUENCY FAN DRIVES.
4. PANEL INCLUDES PUMP STARTER.
5. PANEL SHALL BE NEMA 4X STAINLESS STEEL.

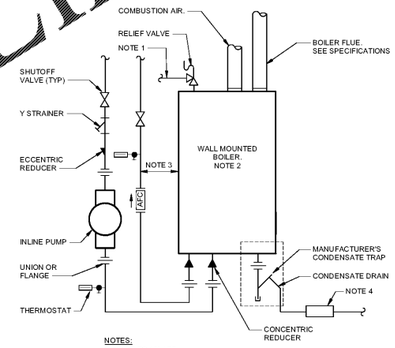
CLOSED CIRCUIT COOLING TOWER POWER AND CONTROL SCHEMATIC

NOT TO SCALE



BUILDING PRESSURIZATION DETAIL

NOT TO SCALE

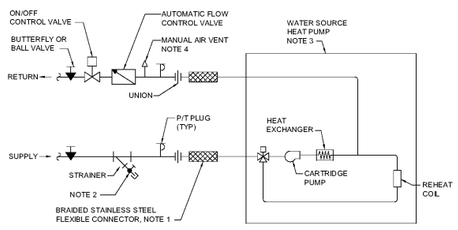


NOTES:

1. PIPE TO 12" AFF.
2. MANUFACTURERS WITH TOP OR SIDE CONNECTIONS ARE ACCEPTABLE.
3. PROVIDE CLEARANCES RECOMMENDED BY THE MANUFACTURER.
4. CONDENSATE NEUTRALIZATION KIT. PROVIDE AXIOM INDUSTRIES MODEL NC-1(400 MBH OUTPUT AND LESS) OR MODEL NC-2 (400+ MBH OUTPUT) OR EQUAL.

WALL MOUNTED CONDENSING BOILER DETAIL

NOT TO SCALE

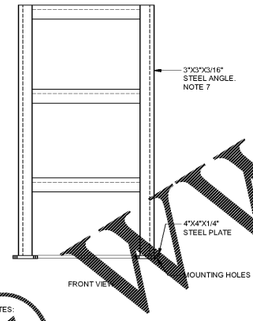


NOTES:

1. PROVIDE HOSE 18" MIN. LENGTH.
2. HOSE END VALVE WITH CAP AND CHAIN.
3. SEE SPECIFICATIONS FOR HOT WATER REHEAT.
4. VENT AT HIGH POINT.

WATER SOURCE HEAT PUMP WITH HOT WATER REHEAT

NOT TO SCALE

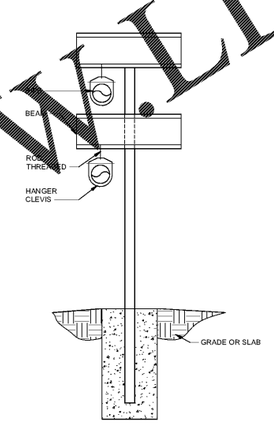


NOTES:

1. THE CONTRACTOR SHALL DETERMINE DIMENSIONS TO MOUNT BOILERS AT THE REQUIRED MOUNTING HEIGHT.
2. FOR FRAMES OVER 48" WIDE, PROVIDE AN ADDITIONAL INTERMEDIATE SUPPORT.
3. ALL CONNECTIONS SHALL BE FULLY WELDED.
4. FRAME LOCATED INSIDE SHALL BE PRIMED AND PAINTED.
5. TUBE STEEL MAY BE USED IN LIEU OF ANGLE.

BOILER SUPPORT FRAME

NOT TO SCALE



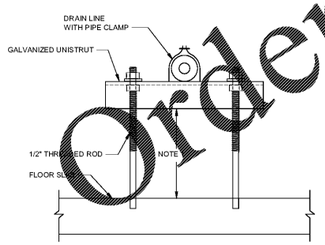
HIGH SUPPORT

NOTES:

1. SEE PLAN FOR SPACING OF SUPPORTS. AND NUMBER OF PIPES AT EACH SUPPORT.
2. COORDINATE EXACT HEIGHTS AND WIDTHS OF SUPPORTS WITH CONTRACTOR PROVIDING THE SUPPORTS.
3. SEE SPECIFICATIONS FOR OUTDOOR HANGERS, SUPPORTS, AND ACCESSORIES.

OUTDOOR PIPING SUPPORTS

NOT TO SCALE

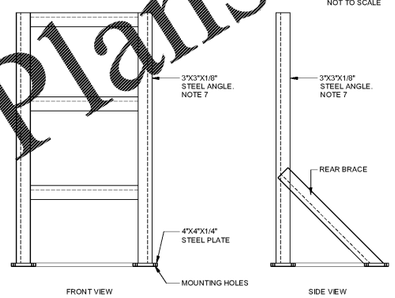


NOTES:

1. ADJUST HEIGHT AS NEEDED FOR GRAVITY FLOW OF CONDENSATE.

BOILER DRAIN PIPE SUPPORT

NOT TO SCALE

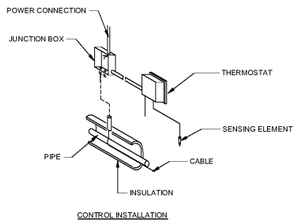


NOTES:

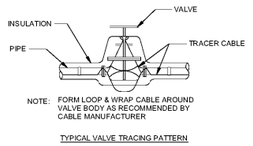
1. THE CONTRACTOR SHALL DETERMINE DIMENSIONS TO MOUNT STARTERS, DRIVES, OR PANELS AT THE REQUIRED MOUNTING HEIGHT.
2. FOR FRAMES OVER 48" WIDE, PROVIDE AN ADDITIONAL INTERMEDIATE SUPPORT.
3. ALL CONNECTIONS SHALL BE FULLY WELDED.
4. FRAMES LOCATED OUTSIDE SHALL BE HOT-DIPPED GALVANIZED.
5. FRAME LOCATED INSIDE SHALL BE PRIMED AND PAINTED.
6. WHERE SPACE DOES NOT NOT ALLOW, REAR BRACE MAY BE OMITTED.
7. TUBE STEEL MAY BE USED IN LIEU OF ANGLE.

PANEL SUPPORT FRAME

NOT TO SCALE



CONTROL INSTALLATION

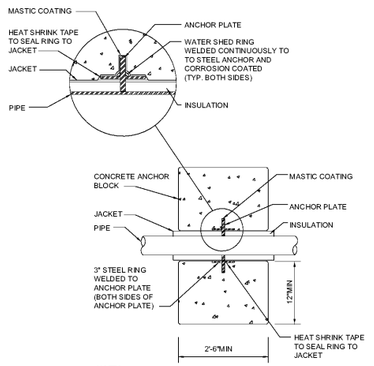


NOTE: FORM LOOP & WRAP CABLE AROUND VALVE BODY AS RECOMMENDED BY CABLE MANUFACTURER

TYPICAL VALVE TRACING PATTERN

FREEZE PROTECTION CABLE DETAIL

NOT TO SCALE



NOTES:

1. ANCHOR PLATE SHALL MEET ASTM A36.
2. ANCHOR PLATE SHALL BE 1/2" THICK.
3. ANCHOR PLATE SHALL EXTEND 2 1/2" BEYOND THE CASING DIAMETER ON ALL SIDES.
4. ANCHOR PLATE SHALL BE CORROSION COATED WITH A MASTIC MATERIAL AFTER RINGS HAVE BEEN SEALED TO CASING BY HEAT SHRINK TAPE.

UNDERGROUND STEEL PIPE ANCHOR DETAIL

NOT TO SCALE

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