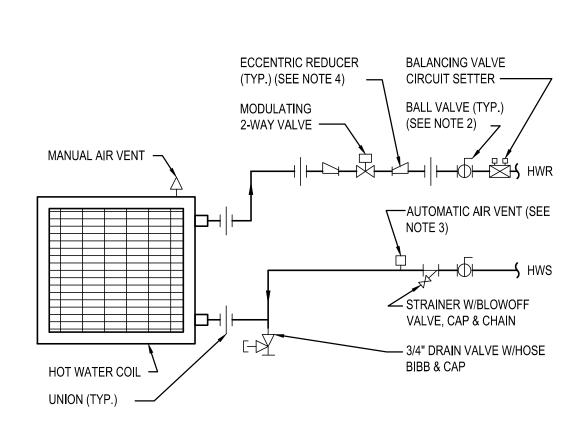
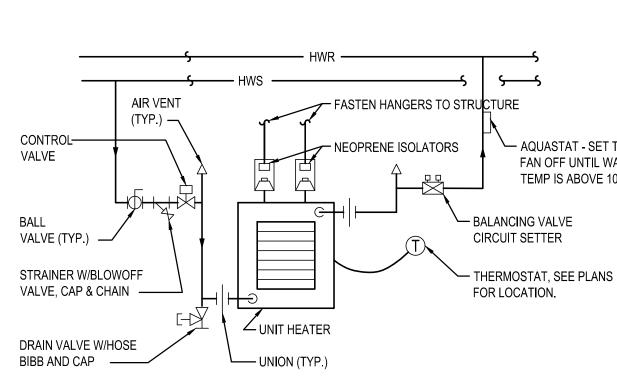


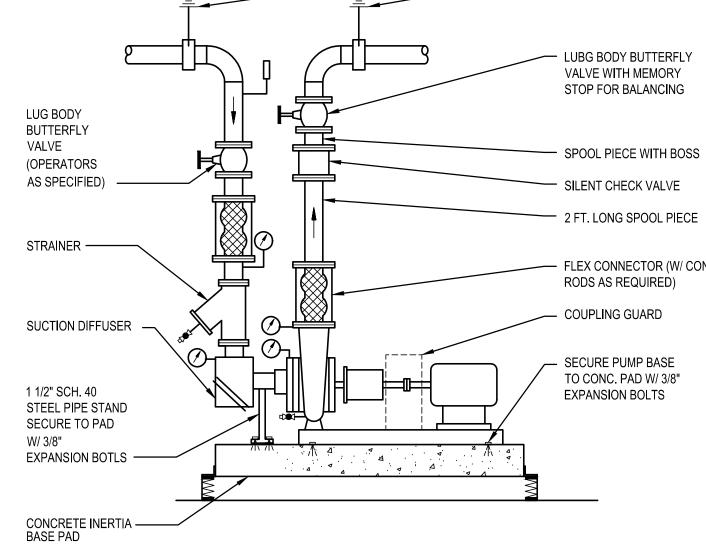
NOTES: 1. PROVIDE (2) 90° ELBOWS ON SUPPLY AND RETURN AT COIL



STRAINER W/BLOWOFF VALVE, CAP & CHAIN -DRAIN VALVE W/HOSE UNION (TYP.) BIBB AND CAP ——— **DETAIL - HOT WATER** UNIT HEATER SCHEMATIC SCALE: NOT TO SCALE

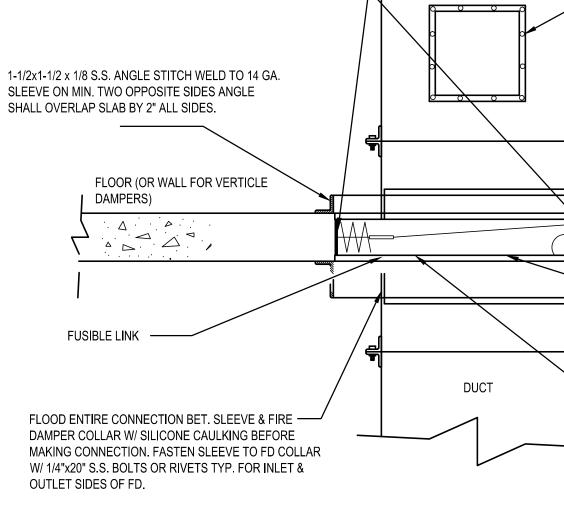


NOTE: 1. ALL PRESSURE-GAUGE FACES SHALL BE WITH 18 INCHES ELEVATION OF EACH OTHER **DETAIL - END SUCTION PUMP** SCALE: NOT TO SCALE

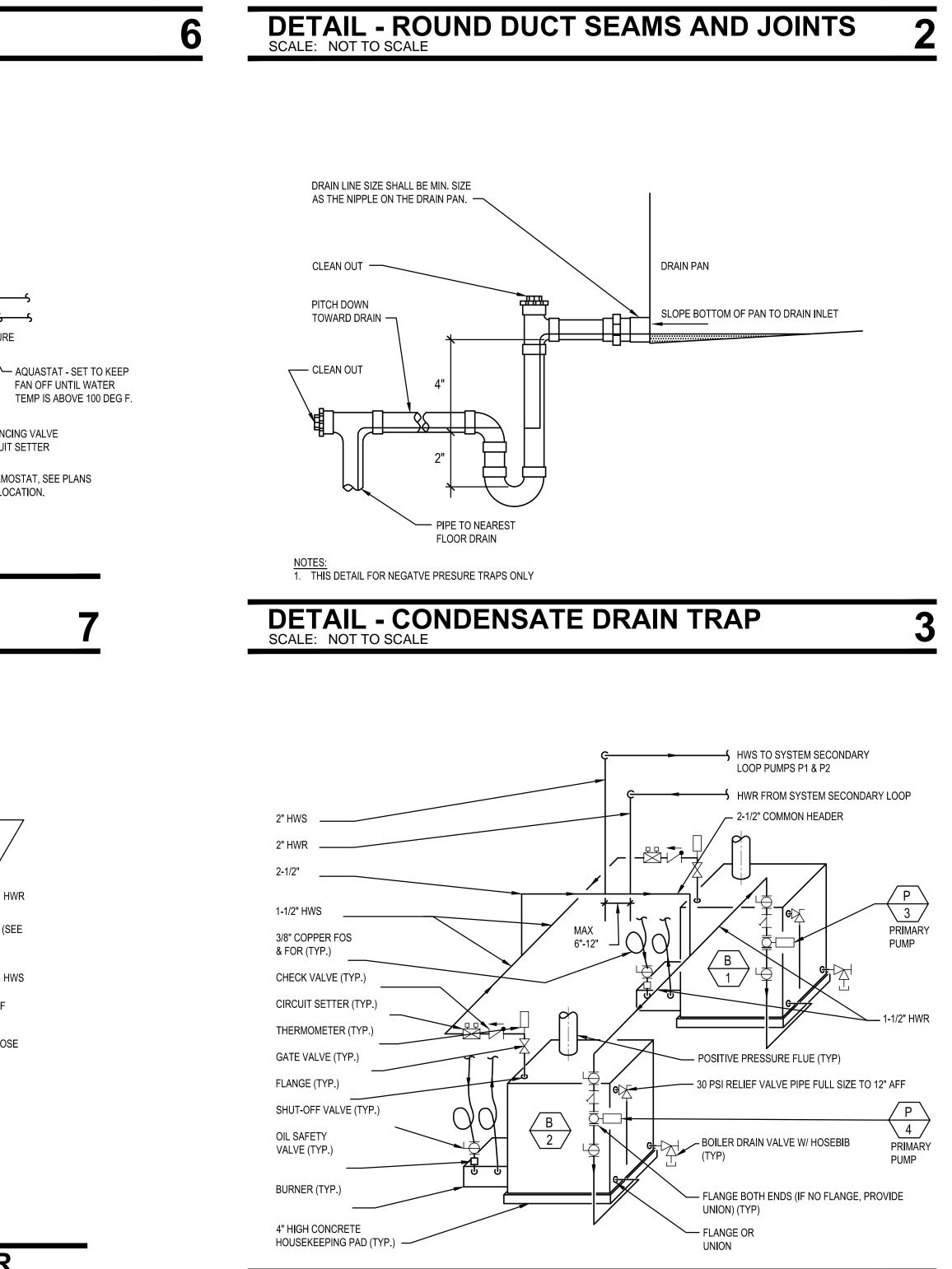


DETAIL - FIRE DAMPER FOR STAINLESS STEEL EXHAUST DUCTS SCALE: NOT TO SCALE

NOTES: 1. ANY CLEARANCE BETWEEN FIRE-RATED WALL OR PARTITION AND DAMPER SLEEVE OR DAMPER SHALL BE FILLER WITH FIRE-RESISTANT PACKING ON ALL SIDES TO MAINTAIN FIRE RATING. 2. HORIZONTAL DAMPER SHOWN. FOR VERTICAL APPLICATIONS SPRING LOADED DAMPER IS NOT REQUIRED.



FILL GAPS W/ FIRESTOP



DETAIL - BOILER PIPING SCHEMATIC

SCALE: NOT TO SCALE

2 FT. LONG SPOOL PIECE FLEX CONNECTOR (W/ CONTROL RODS AS REQUIRED) – COUPLING GUARD

HANGERS ADJUSTED FOR

VALVE WITH MEMORY

NO LOAD ON PUMP FITTINGS

SECURE PUMP BASE TO CONC. PAD W/ 3/8"

EXPANSION BOLTS

4"MIN

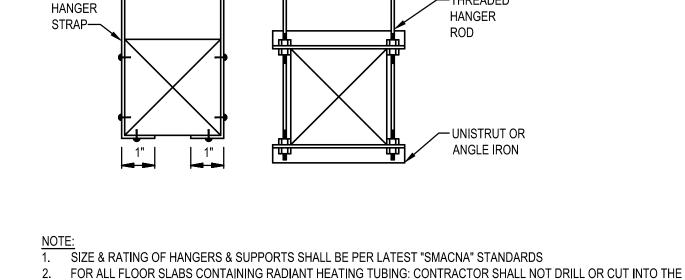
ANGLE -

3/8" FLANGE

SUPPORT ATTACHMENTS

CLOSURE SPRING

 $\square \square \square$



DUCT

DETAIL - DUCT

SCALE: NOT TO SCALE

SPIRAL SEAM

BUTT WELD

ACME LOCK GROVED

SEAM

LONGITUDINAL SEAMS

NOTE: 1. SNAP LOCK LONGITUDINAL SEAMS SHALL NOT BE PERMITTED

OVER 60"

SLAB TOP OR BOTTOM FOR ANY EQUIPMENT, DUCTWORK OR PIPING SUPPORTS OR HANGERS. ALL HANGERS AND

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BEADED SLEEVE JOINT

VAN STONE FLANGE JOINT

BEADED CRIMP SLEEVE JOINT

TRANSVERSE SEAMS

/----- 2" MIN

5/16"- BOLTS AT MAX. 7"

NON-EXTRUDING GASKET

— INTERVALS

- OR SEALANT

SUPPORTS SHALL CONNECT TO BUILDING STEEL OR SUPPLEMENTAL STEEL ATTACHED TO BUILDING STEEL.

STRUCTURAL ENGINEER SHALL APPROVE ANY WELDING PROPOSED TO ATTACH SUPPORTS OR HANGERS.

-THREADED

 WATERTIGHT CONNECTION BET. 14 GA. SLEEVE & DUCT REFER TO WATERTIGHT CONNECTION - 14 GA. S.S. SLEEVE BOTH SIDES OF DAMPER

· /

- 304 S.S. FIRE DAMPER-UL LABELED

212 °F FUSIBLE LINK 3 HR. RATED.

'RUSKIN' IBD23 STYLE C OR APP. EQUAL

ACCESS DOOR (10"x10" MIN.)

