F VENT LINE: PROVIDE UNION AND GOOSE NECK ABOVE

I CONDENSATE RETURN MAIN: CONNECT TO TOP OF

G STEAM SUPPLY (125 PSIG).

H PRESSURE POWERED PUMP: SPIRAX-SARCO TYPE PPC

STRAINER: CAST OR FORGED STEEL WITH MONEL BASKET.

GATE VALVE: 2-INCH AND SMALLER, 800 LB. FORGED STEEL,

CHECK VALVE: AS PROVIDED BY PUMP MANUFACTURER.

O.S. & Y, FLANGED, CAST STEEL.

CONDENSATE RECEIVER

BUILDING OR MANHOLE CONDENSATE RETURN SYSTEM: FROM

CONDENSATE RECEIVER

GATE VALVE: 2-INCH AND SMALLER, 800 LB. FORGED STEEL,

THEater 2 1/2-INCH AND LARGER 150 LB.

D O.S. & Y, FLANGED, CAST STEEL.

CHECK VALVE: AS PROVIDED BY PUMP MANUFACTURER.

UNION: 800 LB. FORGED STEEL

NOTES:

1. NOT FOR CONSTRUCTION. THIS DIAGRAM SHOWS THE TYPICAL ARRANGEMENT

OF STEAM POWERED PUMPED CONDENSATE RETURN SYSTEMS AT SU.

THE ENGINEER OF RECORD SHALL ADAPT THIS ARRANGEMENT TO THE SPECIFIC

PROJECT REQUIREMENTS. ADDITIONAL DETAIL DRAWINGS SHALL BE PREPARED

BY THE ENGINEER AS NECESSARY TO ASSURE PROPER INSTALLATION IN

ACCORDANCE WITH ANSI/ASME B31.1.

2. CONDENSATE RECEIVERS SHALL BE UPSTREAM OF "A." ALL STEAM TRAPS

DRAINING EQUIPMENT THAT HAS A STEAM CONTROL VALVE SHALL BE INSTALLED

SO THAT CONDENSATE WILL GRAVITY-FLOW FROM THE STEAM TRAP TO THE

CONDENSATE RECEIVER.

COMPONENTS:

A BUILDING OR MANHOLE CONDENSATE RETURN SYSTEM: FROM

CONDENSATE RECEIVER

B GATE VALVE: 2-INCH AND SMALLER, 800 LB. FORGED STEEL,

THEADED, RISING STEM; 2 1/2-INCH AND LARGER 150 LB.

D O.S. & Y, FLANGED, CAST STEEL.

C STRAINER: CAST OR FORGED STEEL WITH MONEL BASKET.

PIPE TO FLOOR DRAIN.

D CHECK VALVE: AS PROVIDED BY PUMP MANUFACTURER.

E UNION: 800 LB. FORGED STEEL

F PRESSURE POWERED PUMP: SPIRAX-SARCO TYPE PPC

STEAM PRESSURE POWERED CONDENSATE PUMP WITH

FACTORY INSTALLED 125 PSI RATED SIGHT GLASS AND

3/4" NPT SIDE DRAIN CONNECTION.

G STEAM SUPPLY (125 PSIG).

H CONDENSATE RETURN MAIN: CONNECT TO TOP OF

CONDENSATE RETURN MAIN WITH 90 DEGREE WELDLET.

I VENT LINE: PROVIDE UNION AND GOOSE NECK ABOVE

ROOF.

J FULL PIPE SIZE BYPASS TO SANITARY DRAIN.

K 3/4" PIPE TO SANITARY DRAIN.