

A	SIZE, TRAP DISCHARGE LINE	15mm [1/2"]	20mm [3/4"]
B	SIZE, 45° WELDING NIPPLE	25mm [1"]	32mm [1-1/4"]
C	LENGTH OF EXPANDED MAIN AHEAD OF TRAP DISCHARGE PIPE	175mm [7"]	175mm [7"]
D	LENGTH OF PERFORATED PIPE	415mm [16-1/2"]	415mm [16-1/2"]
E	LENGTH OF EXPANDED MAIN FOLLOWING PERFORATED PIPE	50mm [2"]	50mm [2"]

RETURN MAIN SIZE	UP TO 40mm [1-1/2"]	50mm [2"]	75mm [3"] & OVER
EXPANDED RETURN MAIN SIZE		65mm [2-1/2"]	SAME SIZE

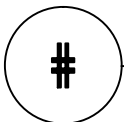
NOTES:

1. 15mm [1/2"] PERFORATED TUBE SHALL HAVE 40 - 16mm [1/8"] DIAMETER HOLES SPACED 40mm [1-1/2"] O.C. IN 4 ROWS.
2. 20mm [3/4"] PERFORATED TUBE SHALL HAVE 78 - 6mm [1/8"] DIAMETER HOLES SPACED 40mm [1-1/2"] O.C. IN 6 ROWS.
3. HOLES IN TUBE SHALL BE SPACED EQUALLY AROUND PERIMETER.

DESIGNER'S NOTE:

THIS DETAIL SHALL ONLY BE USED FOR LIMITED SITUATIONS WHERE THE DESIGNER CONDUCTS A FULL ANALYSIS OF THE SYSTEM AND ITS IMPACTS, TO ENSURE THAT CONDENSATE DOES NOT FLASH AND CREATE A WATER HAMMER. REFERENCE THE STEAM DESIGN MANUAL VOLUME 3.

HIGH PRESSURE STEAM TRAP DISCHARGE INTO PUMPED CONDENSATE RETURN LINE



NTS



Department of
Veterans Affairs

DETAIL TITLE: HIGH PRESSURE STEAM TRAP DISCHARGE
INTO PUMPED CONDENSATE RETURN LINE

SCALE :NONE

DATE ISSUED: 11/01/2017

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