

PROJECT NO.: BUILDING: 320 - PHASE 4	POINT LEGEND		SYSTEM OUTPUTS		SYSTEM INPUTS		SYSTEM SOFTWARE/CONTROL														PAGE: 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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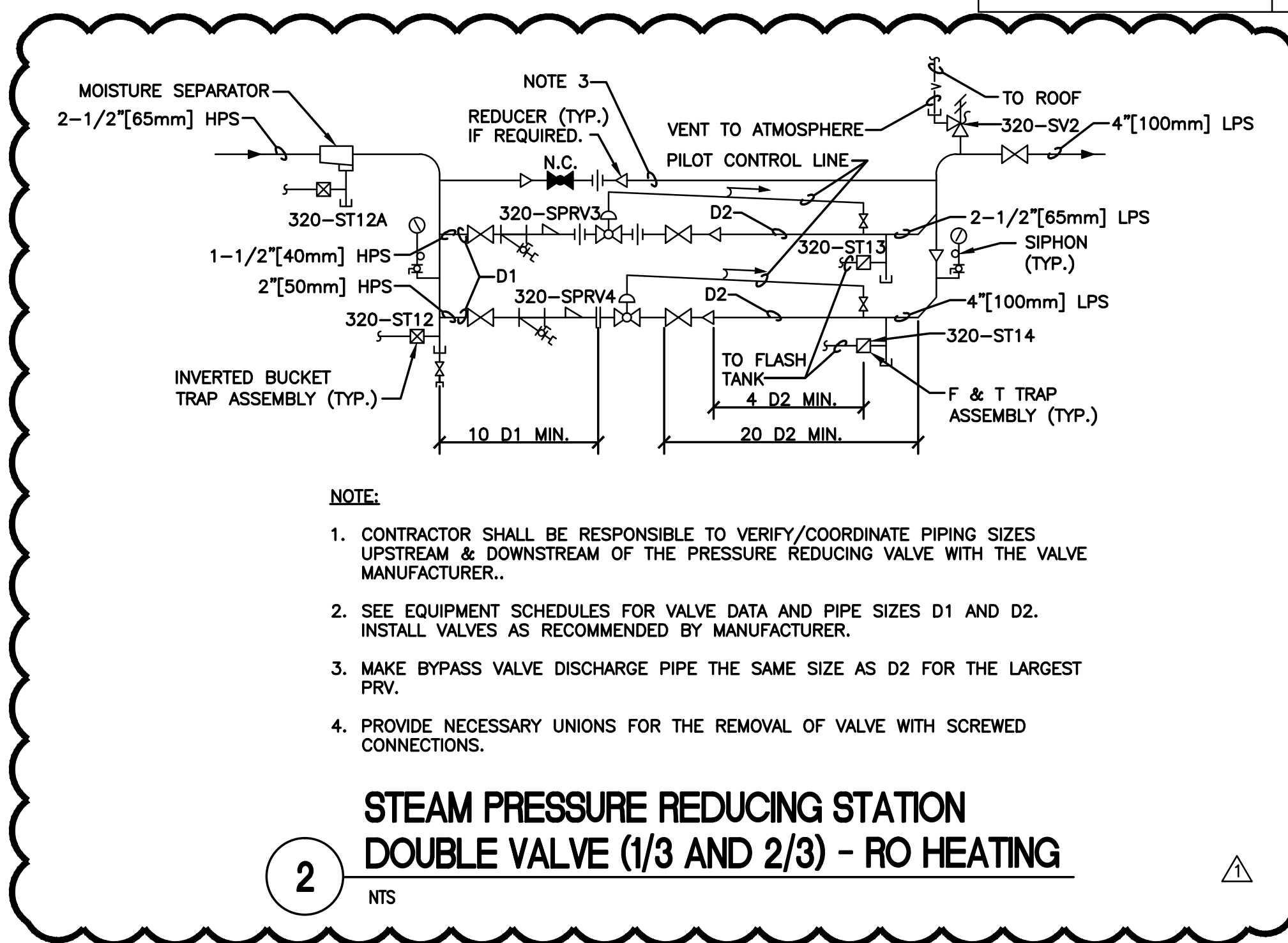
### POINTS LIST FOR HEAT EXCHANGER, HOT WATER SYSTEM, AND CHILLED WATER SYSTEM

NTS

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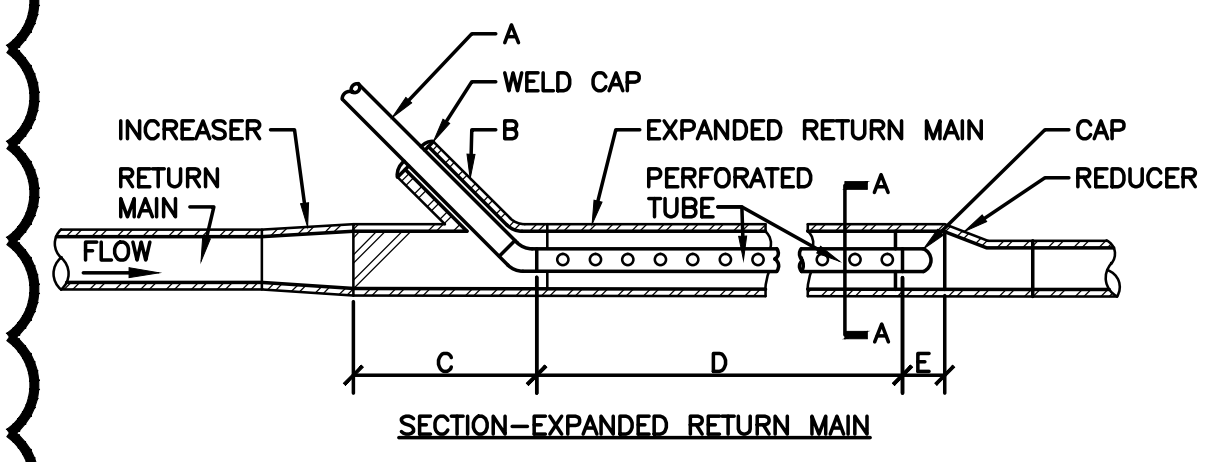
### POINTS LIST FOR FANS

NTS



### POINTS LIST FOR VAV AIR HANDLING UNIT WITH ECONOMIZER

NTS



A SIZE, TRAP DISCHARGE LINE	1/2" [15mm]	3/4" [20mm]
B SIZE, 45° WELDING NIPPLE	1" [25mm]	1-1/4" [32mm]
C LENGTH OF EXPANDED MAIN AHEAD OF TRAP DISCHARGE PIPE	7" [175mm]	7" [175mm]
D LENGTH OF PERFORATED PIPE	16-1/2" [415mm]	16-1/2" [415mm]
E LENGTH OF EXPANDED MAIN OF FOLLOWING PERFORATED PIPE	2" [50mm]	2" [50mm]
RETURN MAIN SIZE UP TO 1-1/2" [40mm]	2" [50mm]	3" [75mm] & OVER
EXPANDED RETURN MAIN SIZE	2-1/2" [65mm]	SAME SIZE

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

### HIGH AND MEDIUM PRESSURE STEAM TRAP DISCHARGE INTO PUMPED CONDENSATE RETURN LINE

NTS

CONSULTANTS:  
**Barton Associates.**  
Consulting Engineers  
Susquehanna Commerce Center  
North Building  
221 West Philadelphia Street  
York, PA 17401  
Tel: (717) 846-7824  
Web: www.bac-inc.com  
**We Make Buildings Work.**

PROJECT No. 2011130.01  
DATE 9.04.12  
REVISIONS

YORK | HARRISBURG | STATE COLLEGE  
DRAWN BY: RGG  
DESIGNED BY: JRA  
CHECKED BY: DJB

ARCHITECT/ENGINEERS:  
**SAA architects**

Drawing Title  
DETAILS AND CONTROLS POINTS LISTS  
Approved Project Director

Project Title  
BOILER PLANT UPGRADE  
PHASE IV  
Location  
VAMC MARTINSBURG, WV  
Date 5.31.12  
Checked  
Drawn

Project Number  
613-12-401  
Building Number  
320  
Drawing Number  
320-M504  
Dwg. of--  
Office of Construction and Facilities Management  
Department of Veterans Affairs

VA FORM 08-6231