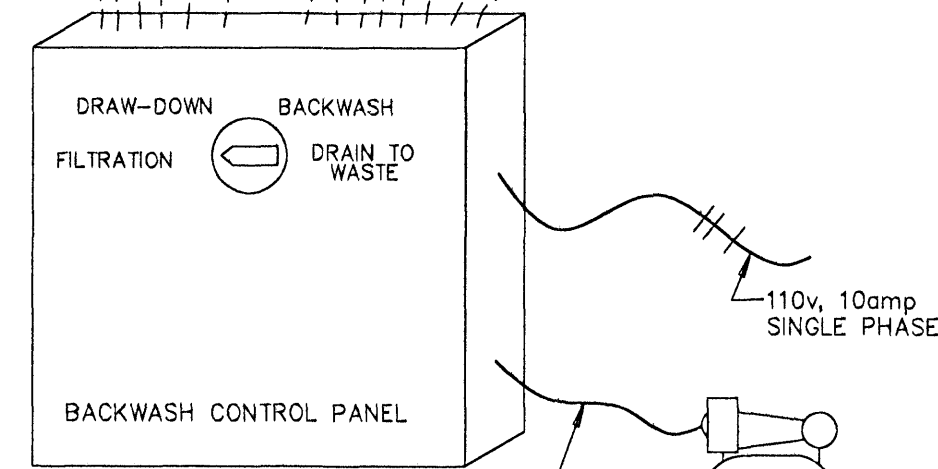


NOTE:  
FILTER VALVES ARE PNEUMATICALLY OPERATED PVC  
WATER BUTTERFLY VALVES w/ STAINLESS STEEL  
EXTENSION FOR ABOVE WATER VALVE MOUNTING.

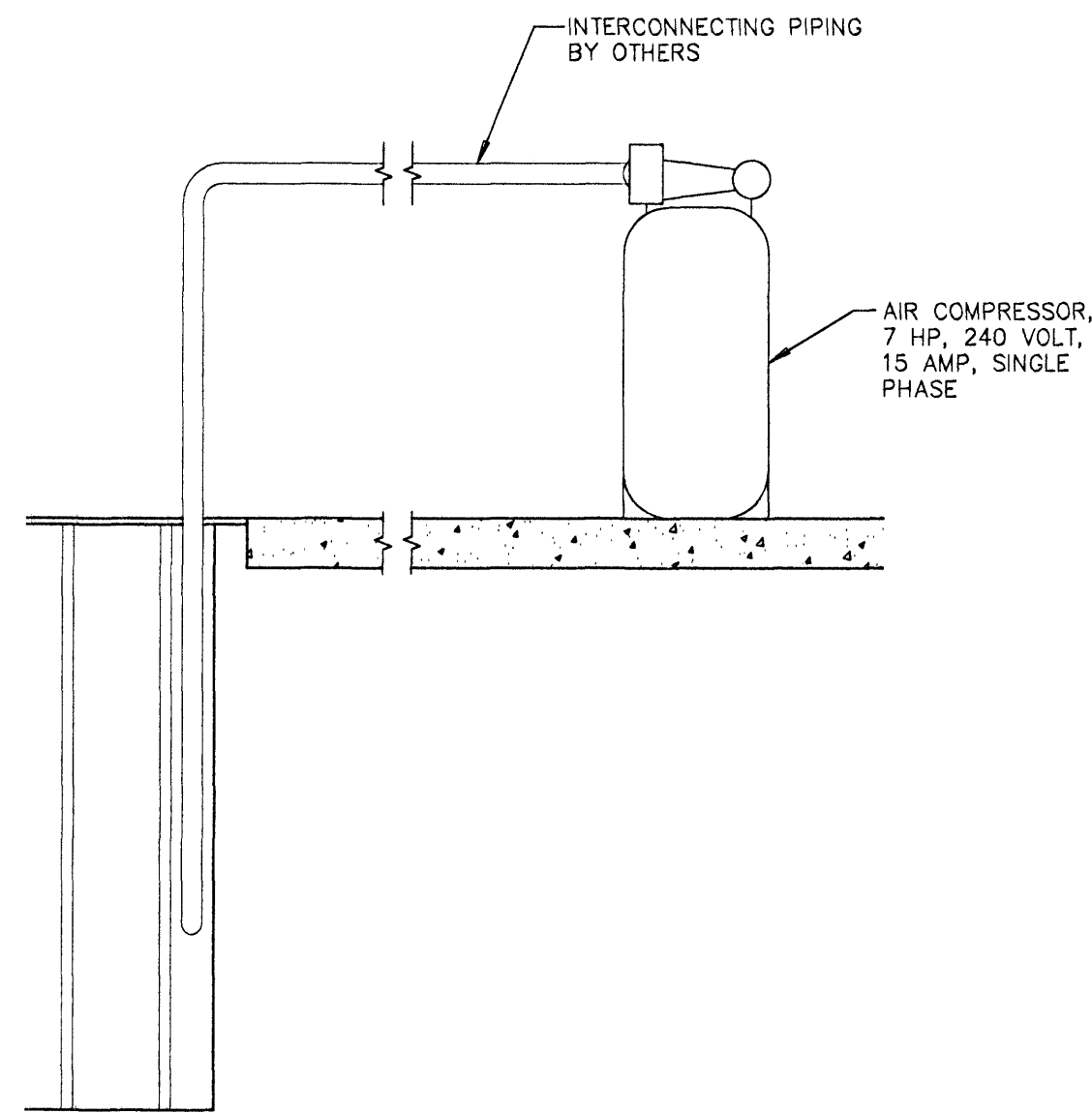


**FILTER #4 VALVE  
OPERATION DETAIL**

A  
8.3c

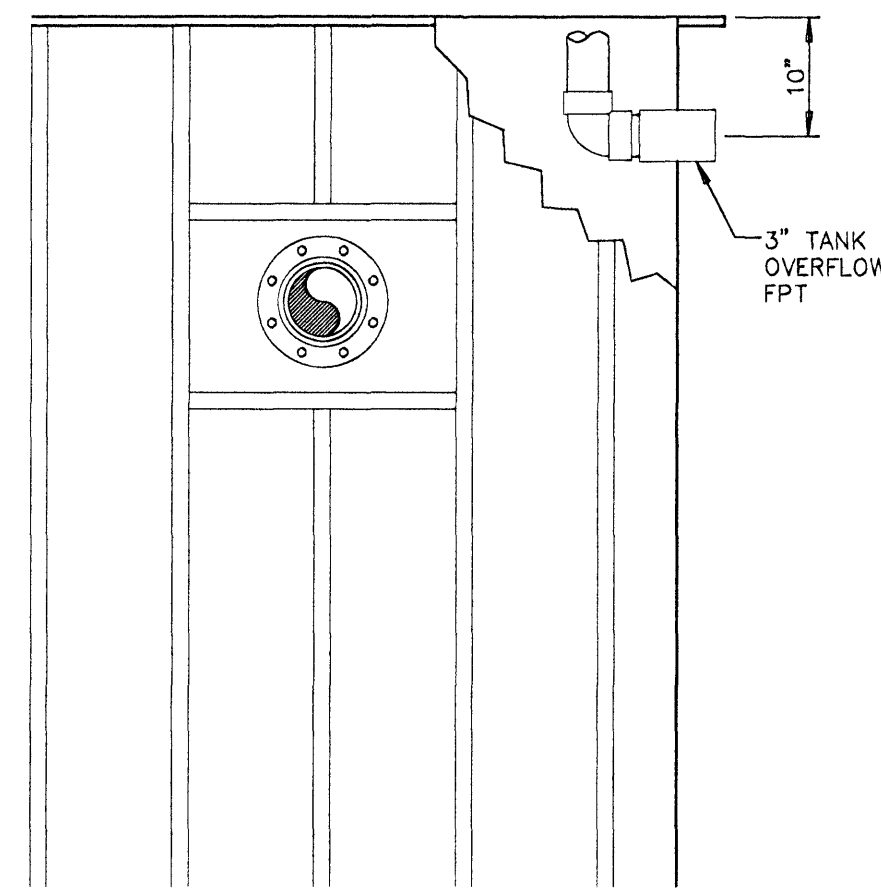
**GENERAL NOTES:**

1. FILTER TANK TO BE CONSTRUCTED OF 12 ga. T-304 LOW CARBON STAINLESS STEEL. EXTERNAL STRUCTURAL SUPPORTS TO BE CONSTRUCTED OF A-36 CARBON STEEL. THE ENTIRE EXTERNAL SURFACE OF THE FILTER IS TO BE COATED WITH WATER BASED EPOXY.
2. TOP GRATING TO BE ALUMINUM GRATING. EQUALIZATION SCREEN TO BE STAINLESS STEEL.
3. ALL INTERNAL VALVES TO BE PVC BODIED WITH STAINLESS STEEL. SHAFTS AND PVC DISKS. EXTENSION HANDLES TO BE PROVIDED AS REQUIRED.
4. ALL STUDS, NUTS, AND BOLTS USED TO ASSEMBLE INTERNAL PIPING TO BE STAINLESS STEEL.
5. ALL INTERNAL FLANGES SHALL BE SOCKET OR SPIGOT SCH. 80 PVC. EXTERIOR FLANGES TO BE SOCKET SCH. 80 PVC.
6. THE SAND BED SHALL CONSIST OF UNIFORMLY GRADED SILICA SAND, CONTAINING NO LIMESTONE OR CLAY WITH AN EFFECTIVE SIZE OF 0.45mm TO 0.55mm AND A UNIFORMITY COEFFICIENT OF 1.4. THE SUPPORT MEDIA SHALL BE UNIFORMLY GRADED 1/8 - 1/4 WATER ROUNDED SILICA GRAVEL CONTAINING NO LIMESTONE OR CLAY.



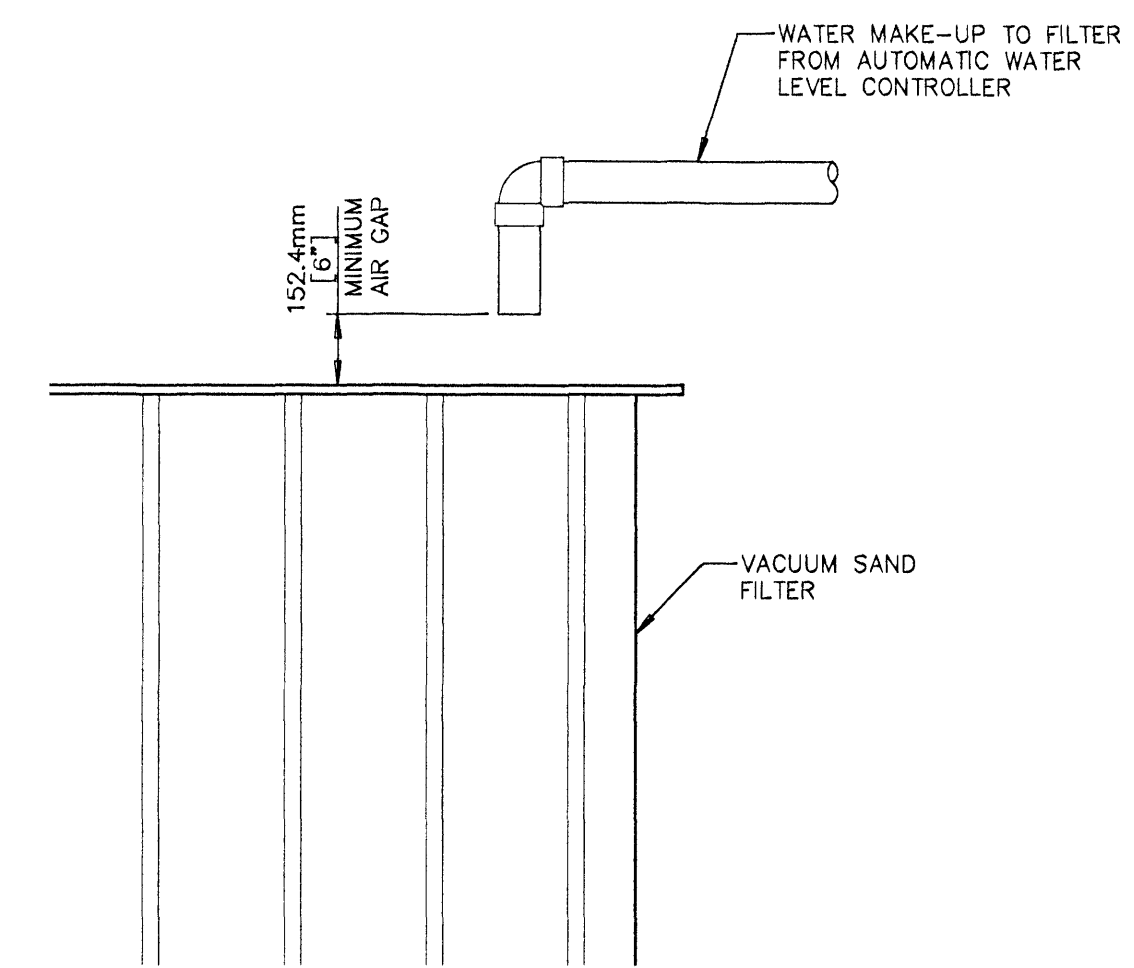
**AIR SCOUR DETAIL**

C  
8.3c



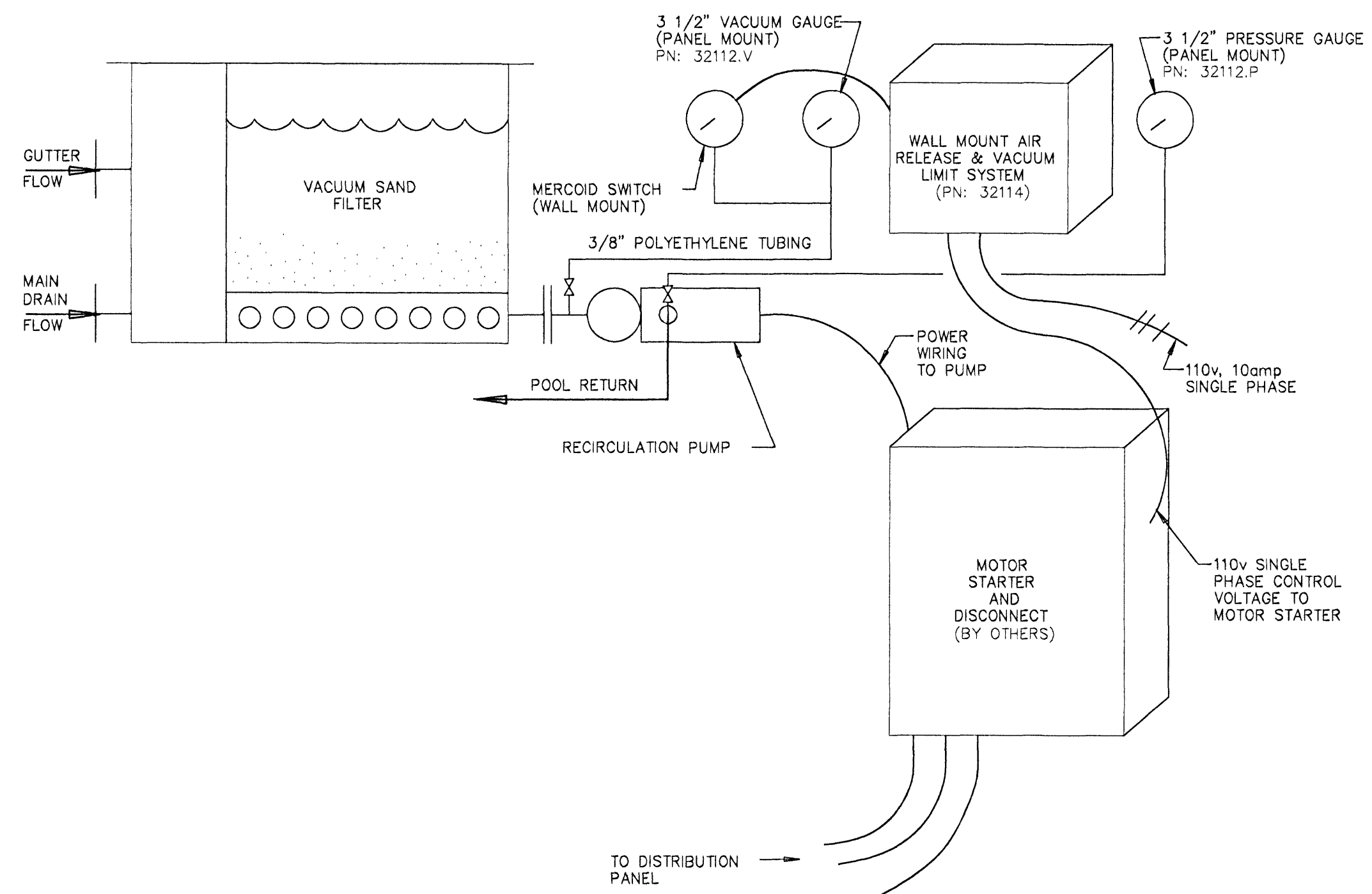
**TANK OVERFLOW**

D  
8.3c



**WATER MAKE-UP TO FILTER**

E  
8.3c



**VACUUM FILTRATION BACKWASH CONTROL/  
AUTOMATIC AIR RELEASE SCHEMATIC**

B  
8.3c

Sundmidstod  
Iceland

Samþykkt þann  
07 MAI 2008  
Byggingarfulltrúinn í Hafnarfirði  
F.h. Hrolfur S. Gunnlaugsson

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NO.	DESCRIPTION	DATE
	REVISIONS	

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PAGE TITLE:  
**VACUUM SAND  
FILTER DETAILS**

DATE: 10/5/07  
FILE: Vacuum Sand Filters.dwg

LAYOUT: VSF #4 Details

DRAWN BY: SAL

CHECKED BY: MTW

PROJECT NO.: SHEET NO.:

8.3c

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