Executive Order VR-203-I
VST Phase II EVR System

Exhibit 4
Required Items in Conducting TP-201.3

The instructions below are required when conducting TP-201.3 for the VST Phase II EVR system with the VST ECS Membrane Processor, Veeder-Root Vapor Polisher, Hirt Thermal Oxidizer, and Franklin Fueling Systems Clean Air Separator. The tester shall document that each step was followed as indicated below and shall include the page of this Exhibit with the submission of TP-201.3 test results. **See footnote regarding testing of pressure/vacuum vent valve**. Note that districts may require use of an alternate form to meet these requirements, provided the alternate form includes the same minimum parameters.

VST ECS Membrane Processor Installed

1. Prior to conducting TP-201.3, the three ball valves on the VST Membrane Processor shall be open, as shown in Figure 1.

2. The VST Membrane Processor shall be turned off. Refer to the ARB Approved Installation, Operation, and Maintenance Manual for instructions on turning off the processor. Not turning off the processor will bias the test toward failure.

3. After conducting TP-201.3, leave the three ball valves in the open locked position. Turn the VST Membrane Processor back on.

Required Steps	Verification (please circle)
1. All ball valves are in the open locked position before conducting TP-201.3?	Yes No
2. Processor is turned off before conducting TP-201.3?	Yes No
3. All ball valves in the open locked position and Processor is turned back on after conducting TP-201.3?	Yes No

Test Company: _____ Facility Name:_____

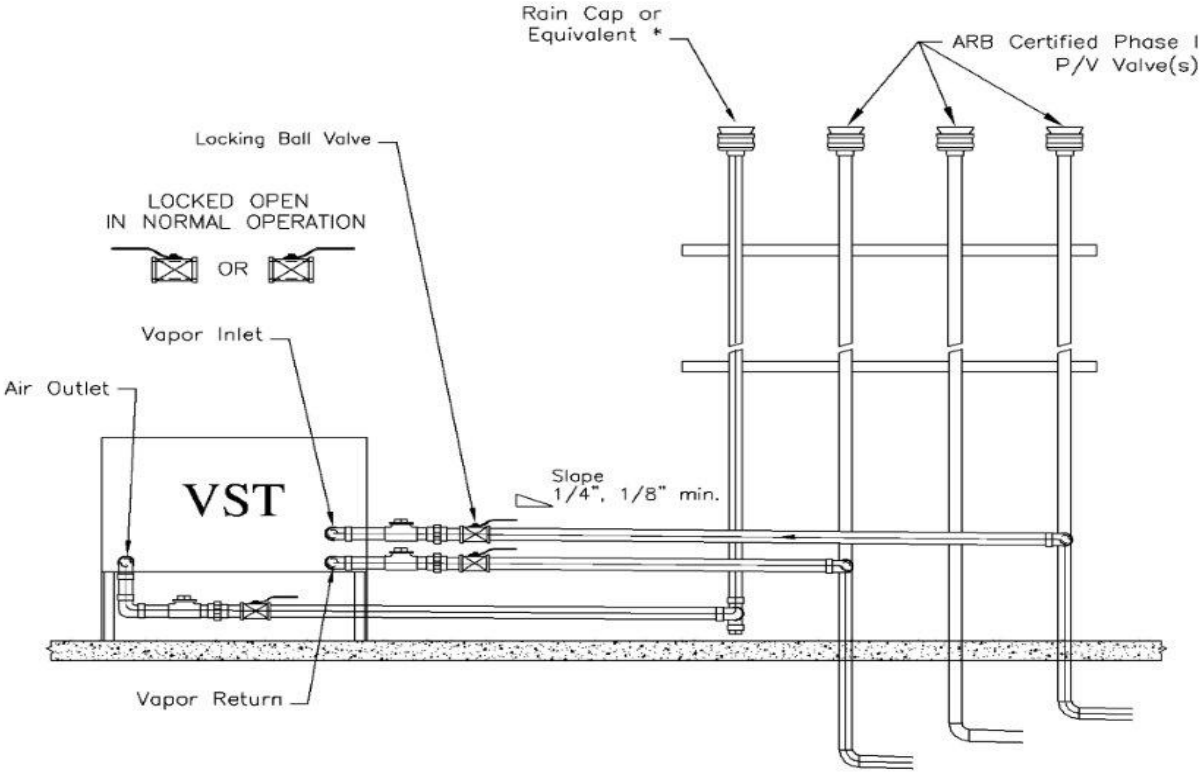
_____
Print Name (Technician) Signature Date

_____
Technician Certification Number and Expiration Date
(ICC or District Training Certification, as applicable)

[1] **Note: If the P/V vent valve is required to be tested by the local District, then the P/V vent valve shall be tested prior to conducting Exhibit 4.**

Figure 1

Configuration of VST Membrane Processor to Conduct TP-201.3



CAUTION: THE HANDLES ON THE LOCKING BALL VALVES MUST NOT BE REMOVED

* If a P/V valve is used, the internal components MUST be removed to allow open venting to the atmosphere.

Veeder-Root Vapor Polisher Installed

1. Prior to conducting TP-201.3, the ball valve on the inlet of the Veeder-Root Vapor Polisher shall be Open, as shown in Figure 2. At the TLS Console, manually close the vapor valve in the PMC Diagnostic menu (reference VR-203 IOM Section 15, PMC Diagnostic Menus, or VR-204 IOM Section 12, PMC Diagnostic Menus).

2. After conducting TP-201.3, enter the PMC Diagnostic Menu at the TLS Console and set the vapor valve to automatic mode.

3. The ball valve on the inlet of the Veeder-Root Vapor Polisher shall remain opened and locked.

Required Steps	Verification (please circle)
1. Inlet ball valve is open and vapor valve is closed before conducting TP-201.3?	Yes No
2. Vapor valve is in the automatic mode after conducting TP-201.3?	Yes No
3. Inlet ball valve is in the open locked position after conducting TP-201.3?	Yes No

Test Company: _____ Facility Name:_____

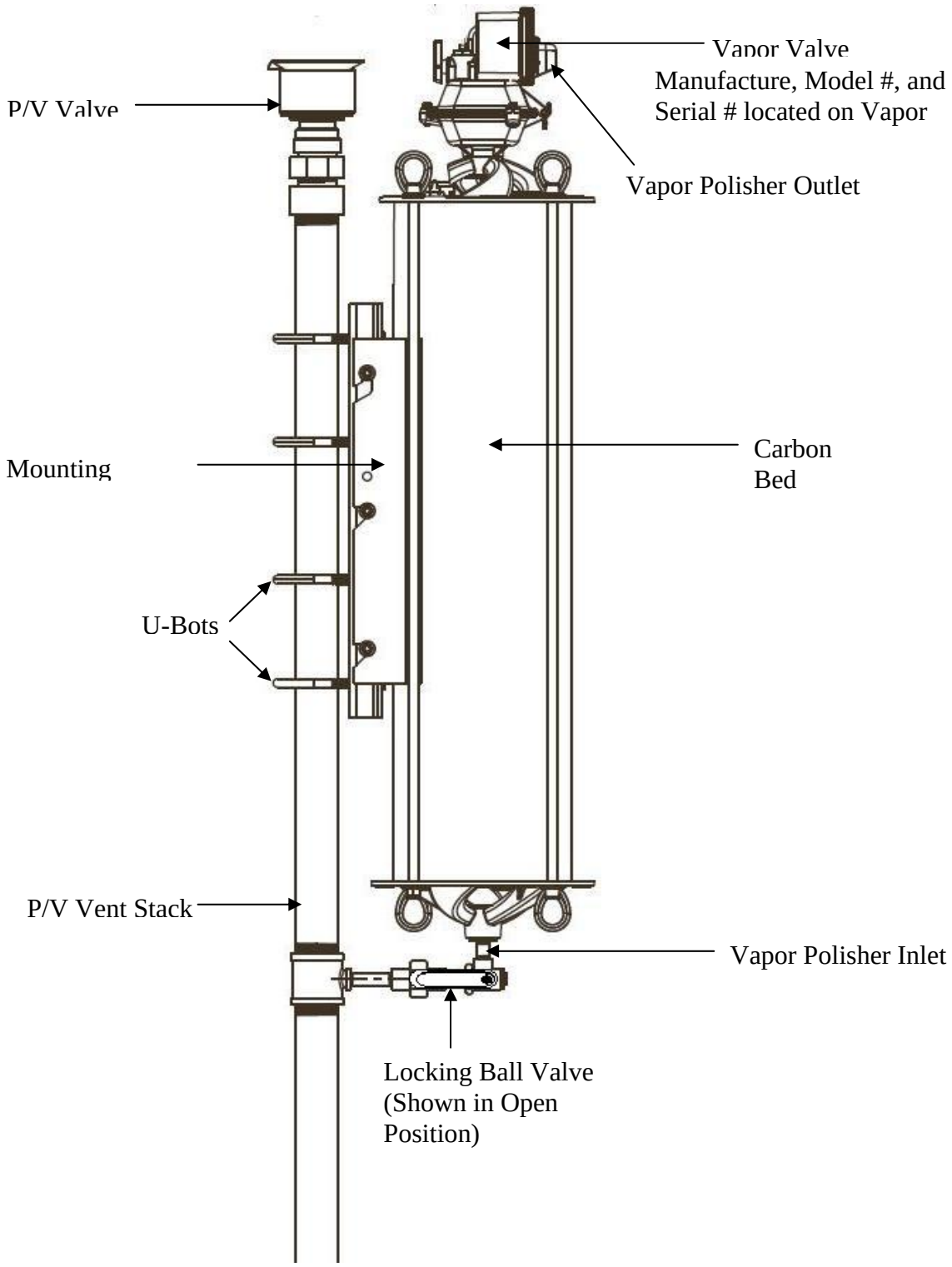
_____

Print Name (Technician) Signature Date

_____

Technician Certification Number and Expiration Date
(ICC or District Training Certification, as applicable)

Figure 2
Configuration of Veeder-Root Vapor Polisher to Conduct TP-201.3



Hirt Thermal Oxidizer Installed

1. Prior to conducting TP-201.3, the ball valve on the inlet of the Hirt VCS 100 processor shall be Open (Open to UST Ullage), as shown in Figure 3. At the Hirt Indicator Panel, turn the Power Switch to the “Off” position.

2. After conducting TP-201.3, turn the Power Switch to the “On” position.

3. The ball valve on the inlet of the Hirt VCS 100 processor shall remain opened and locked.

Required Steps	Verification (please circle)
1. Inlet ball valve is open and Power Switch is in “Off” position before conducting TP-201.3?	Yes No
2. Power Switch is in “On” position after conducting TP-201.3?	Yes No
3. Inlet ball valve is in the open locked position after conducting TP-201.3?	Yes No

Test Company: _____ Facility Name:_____

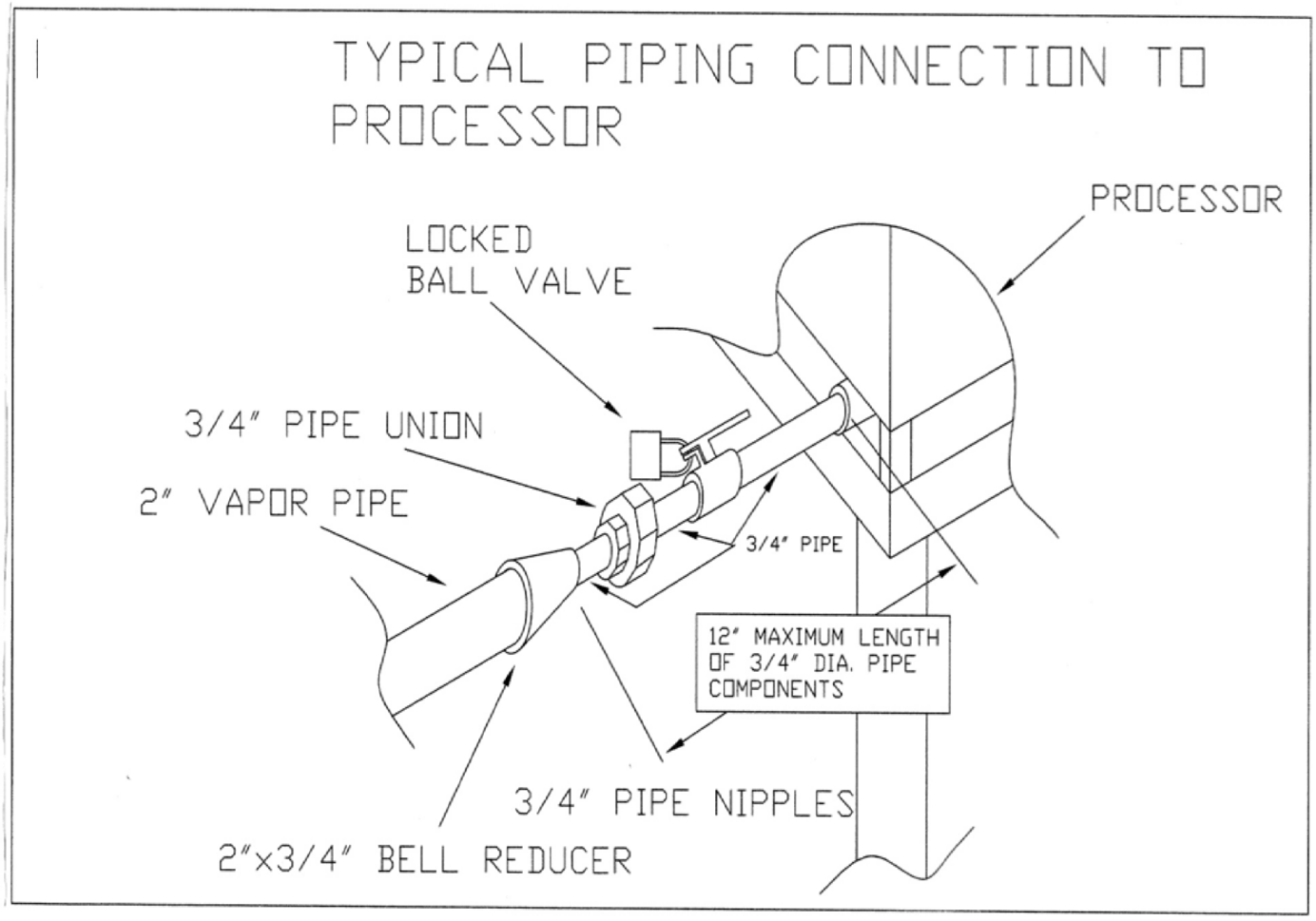
_____

Print Name (Technician) Signature Date

_____

Technician Certification Number and Expiration Date
(ICC or District Training Certification, as applicable)

Figure 3
Configuration of Hirt VCS 100 Thermal Oxidizer to Conduct TP-201.3



Franklin Fueling System Clean Air Separator Installed

1. Prior to conducting TP-201.3, all four ball valves on the CAS shall be closed, as shown in Figure 4 or Figure 4H, to isolate it from the UST system to permit the pressurization of the UST system.

2. After conducting TP-201.3, the four ball valves on the Healy Clean Air Separator (CAS) shall be locked in their normal operating positions as shown in Figure 2B-7 or Figure 2B-7H, Exhibit 2.

Required Steps	Verification (please circle)
1. All four CAS ball valves closed before conducting TP-201.3	Yes No
2. All four CAS ball valves in normal operating positions after conducting TP-201.3.	Yes No

Test Company: _____ Facility Name:_____

_____

Print Name (Technician) Signature Date

_____

Technician Certification Number and Expiration Date
(If required to meet the requirements of the local district)

Figure 4

Configuration of Healy Clean Air Separator to Conduct TP-201.3

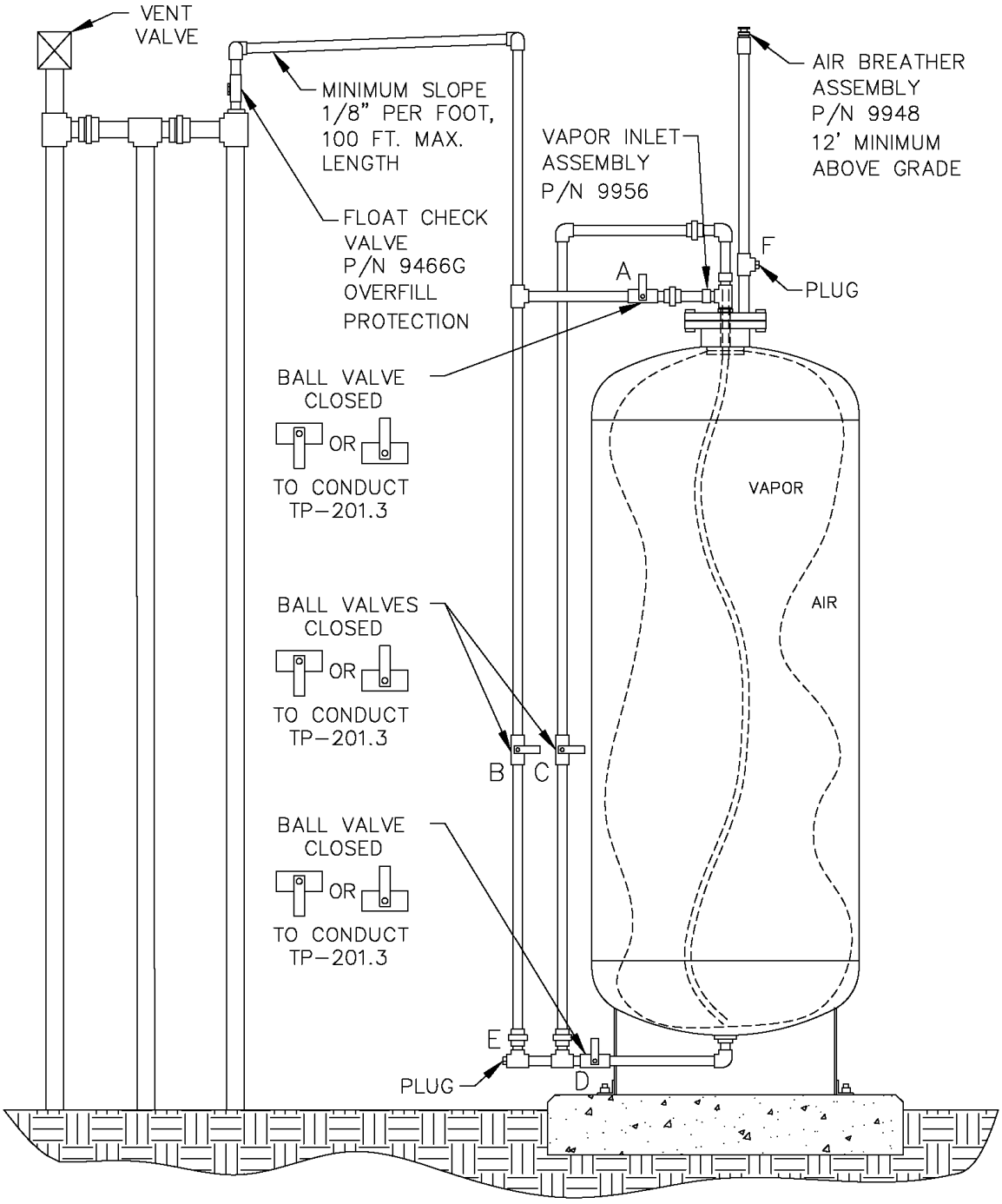
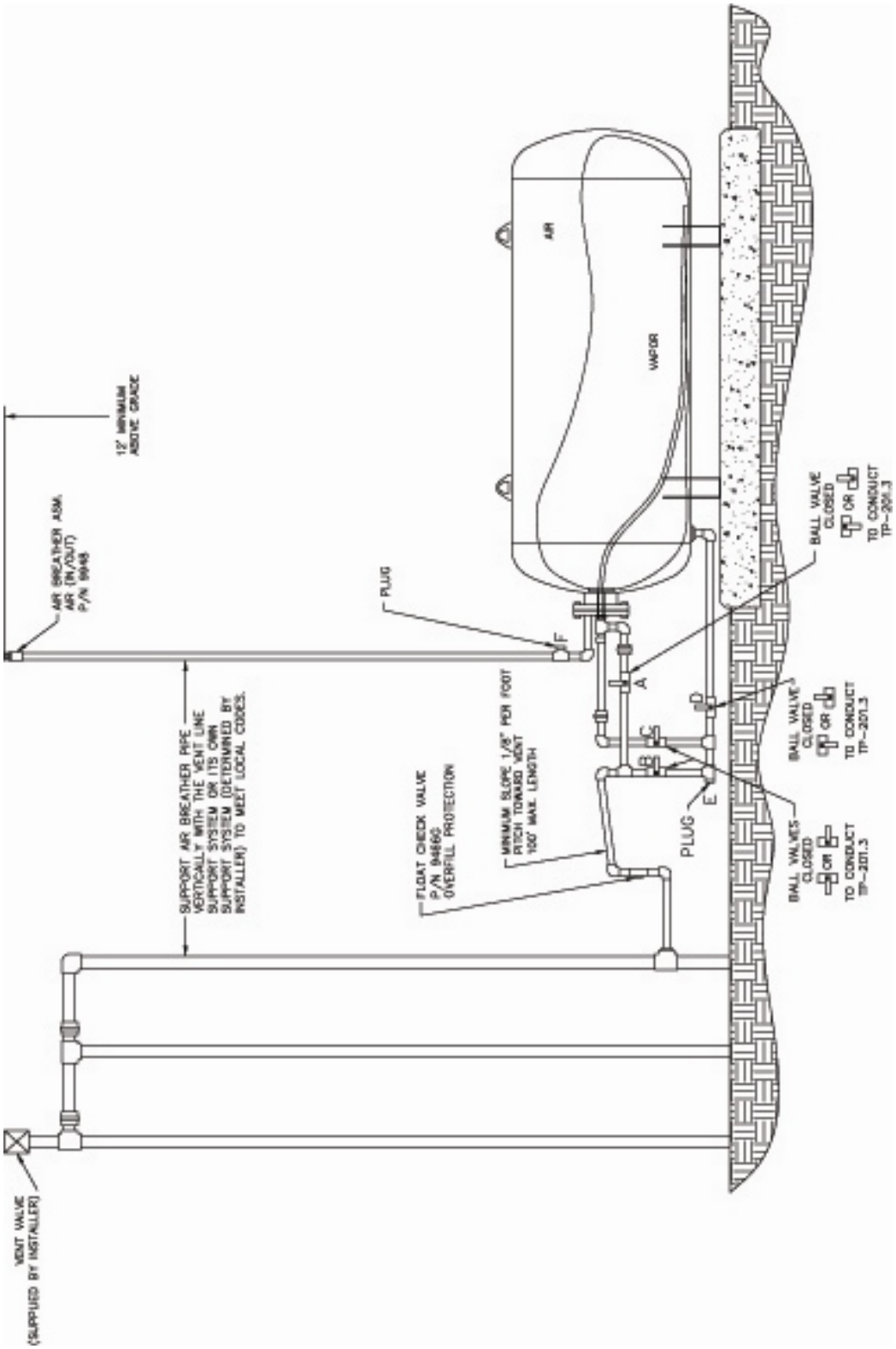


Figure 4H

Configuration of Healy Clean Air Separator to Conduct TP-201.3