IV. Venting  B. CPVC/PVC Venting (continued)

* VENT PIPE MINIMUM CLEARANCE TO COMBUSTIBLE MATERIAL IS ONE (1) INCH. COMBUSTION AIR PIPE MINIMUM CLEARANCE TO COMBUSTIBLE MATERIAL IS ZERO (0) INCHES.

** Figure 13: Direct Vent - Vertical Terminations with Sloped Roof **

Extend vent/combustion air piping to maintain minimum vertical ('X') and minimum horizontal ('Y') distance of twelve (12) inches (18 inches Canada) from roof surface. Allow additional vertical ('X') distance for expected snow accumulation.

- Size roof opening to allow easy insertion of combustion air piping and allow proper installation of flashing and storm collar to prevent moisture from entering the structure.
- Use appropriately designed vent flashing when passing through roofs. Follow flashing manufacturers' instructions for installation procedures.
- Extend combustion air pipe to maintain minimum vertical and horizontal distance of twelve (12) inches from roof surface. Allow additional vertical distance for expected snow accumulation. Provide brace as required.
- Install storm collar on combustion air pipe immediately above flashing. Apply Dow Corning Silastic 732 RTV Sealant between combustion air pipe and storm collar to provide weather-tight seal.
- Install Rodent Screen and Combustion Air Terminal (supplied with boiler), see Figure 10 for appropriate configuration.
- Brace exterior piping if required.

C. Polypropylene Venting

Apex boilers have been approved for use with polypropylene vent system.

It is an installing contractor responsibility to procure listed below polypropylene vent system pipe and related components.

Polypropylene vent system manufacturers are listed below:

<table>
<thead>
<tr>
<th>Approved Polypropylene Vent System Manufacturers</th>
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<tbody>
<tr>
<td>Make</td>
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<tr>
<td>M&amp;G/DuraVent</td>
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<tr>
<td></td>
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<tr>
<td>Centrotherm Eco Systems</td>
</tr>
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</tbody>
</table>

NOTE: Do not mix vent components from approved manufacturers.

M&G/DuraVent PolyPro Single Wall Rigid Vent and PolyPro Flex Flexible Vent comply with the requirements of ULC-S636-08 ‘Standard for Type BH Gas Venting Systems’.

Centrotherm Eco Systems InnoFlue SW Rigid Vent and Flex Flexible Vent comply with the requirements of UL 1738 ‘Standard for Safety for Venting Systems’ and ULC-S636-08 ‘Standard for Type BH Gas Venting Systems’.

For polypropylene vent system installation details refer to an approved manufacturer either Rigid Single Wall Polypropylene Vent Installation Instructions, or Flexible Polypropylene Vent Installation Instructions provided with a manufacturer specific kits. See Tables 9 and 10.

Refer to Table 8 ‘Vent/Combustion Air Pipe Length – Two-Pipe Direct Vent System Options’ for minimum and maximum listed equivalent length values.

All terminations must comply with listed options for two-pipe venting system. See Figures 8 thru 12 for details.