Valor Madrona

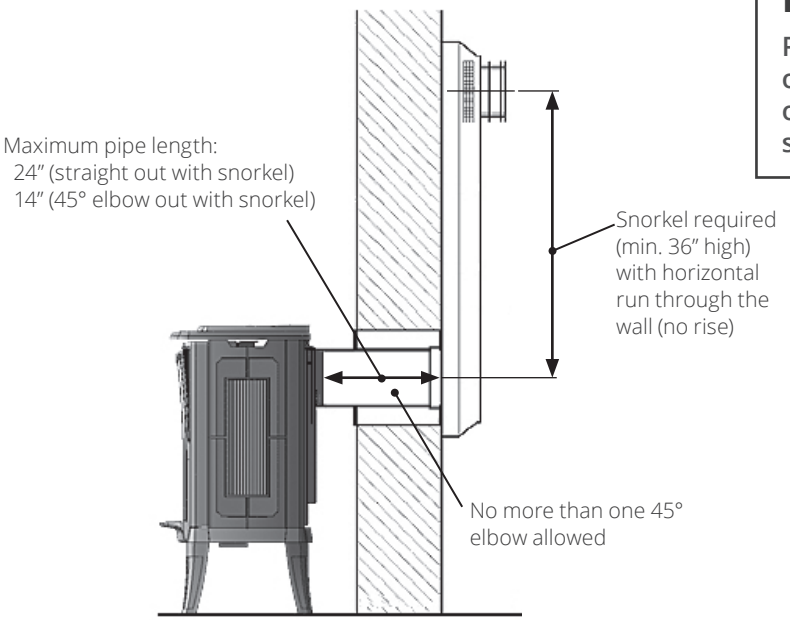
Nov 2024
1/3

MF28V Madrona Stoves—Co-Axial Venting

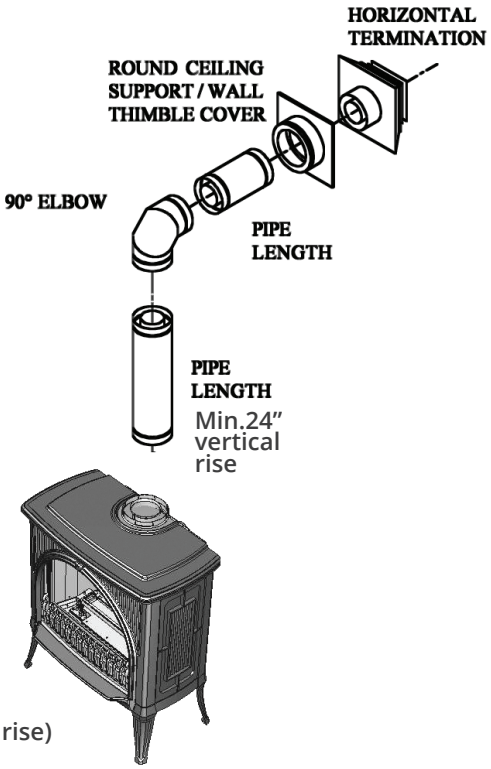
Typical Co-Axial Venting Components

IMPORTANT

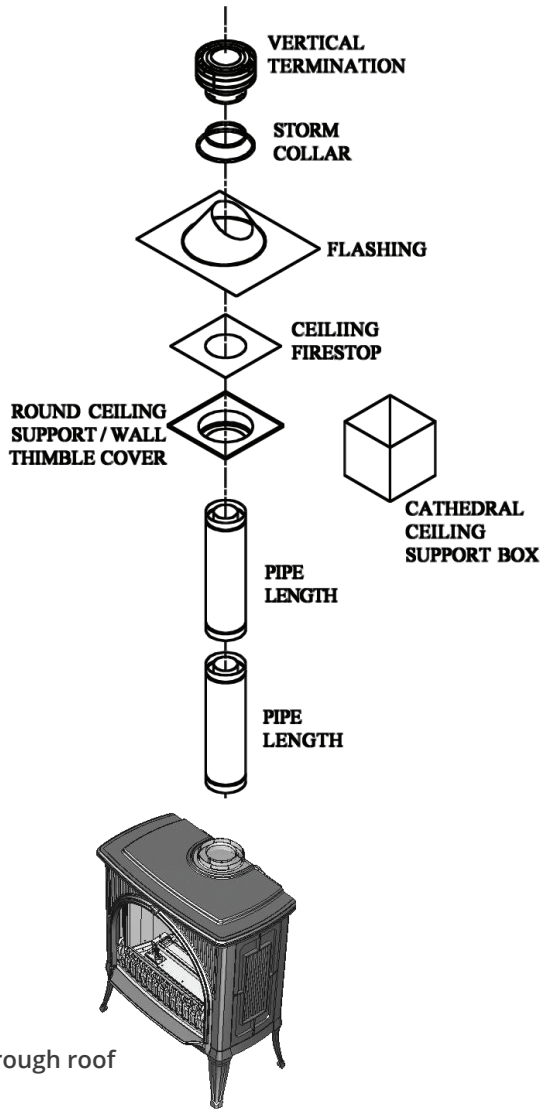
Provide support for vertical pipe runs, particularly offsets. Do not rely on the appliance for support of long vertical pipe runs. Horizontal pipe runs should be supported every 4 feet using strapping.



Through wall (without vertical rise)



Through wall (with vertical rise)



Through roof

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MF28 Madrona Stoves—Co-Axial Venting

Venting Chart

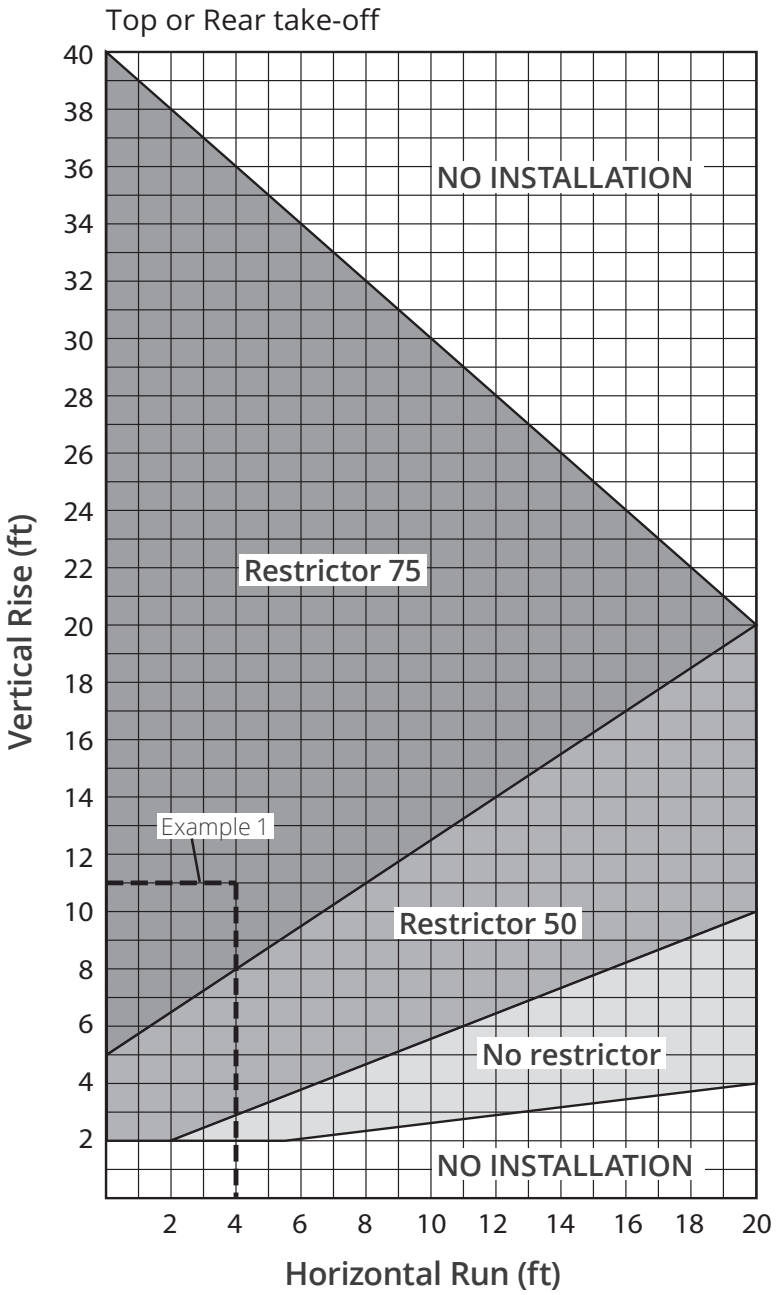
How to Read the Venting Charts

The chart below applies to co-axial roof or wall termination in installations **with vertical rise. All rear venting without a vertical rise must be terminated by a 36" snorkel**—see page 1.

1. The total length of the vent pipe cannot exceed 40 feet.
2. The minimum vertical height with roof termination is 8 feet.
3. Any combination of rise and run can be used as long as they are within the allowable limits shown on the chart.
4. A maximum of 5 x 90 degrees elbows—or equivalent (2 x 45 degrees = 90 degrees)—can be used.
5. Each 90 degrees elbow installed on the horizontal plane is equivalent to a 3 feet horizontal pipe; therefore, 3 feet must be subtracted from allowable horizontal run. (45 degrees elbow is equivalent to 18 inches horizontal pipe.)
6. All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow.
   The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.
7. **Maximum co-axial flex venting** in existing chimney systems is limited to 40 feet vertical rise.
8. **Restrictors are required for co-axial flex** installations.

Example 1
V Value = V1 (6') + V2 (6') + V3 (2')= 14'
H Value = H1 (3') + H2 (3') = 6'
75% restrictor required

Allowable Co-Axial Vent Configurations with restrictor positions



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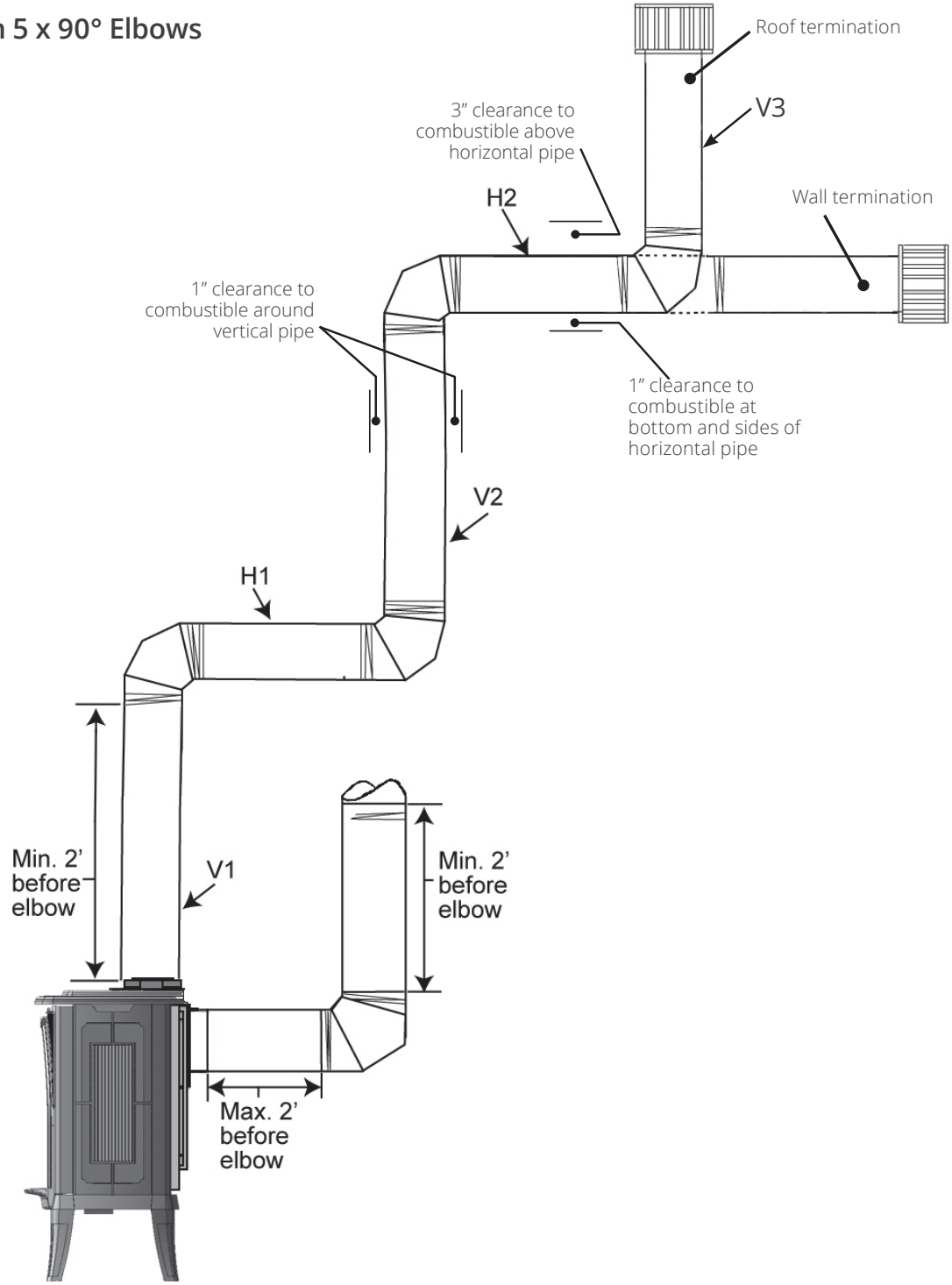
Maximum 5 x 90° Elbows



Not to scale

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