

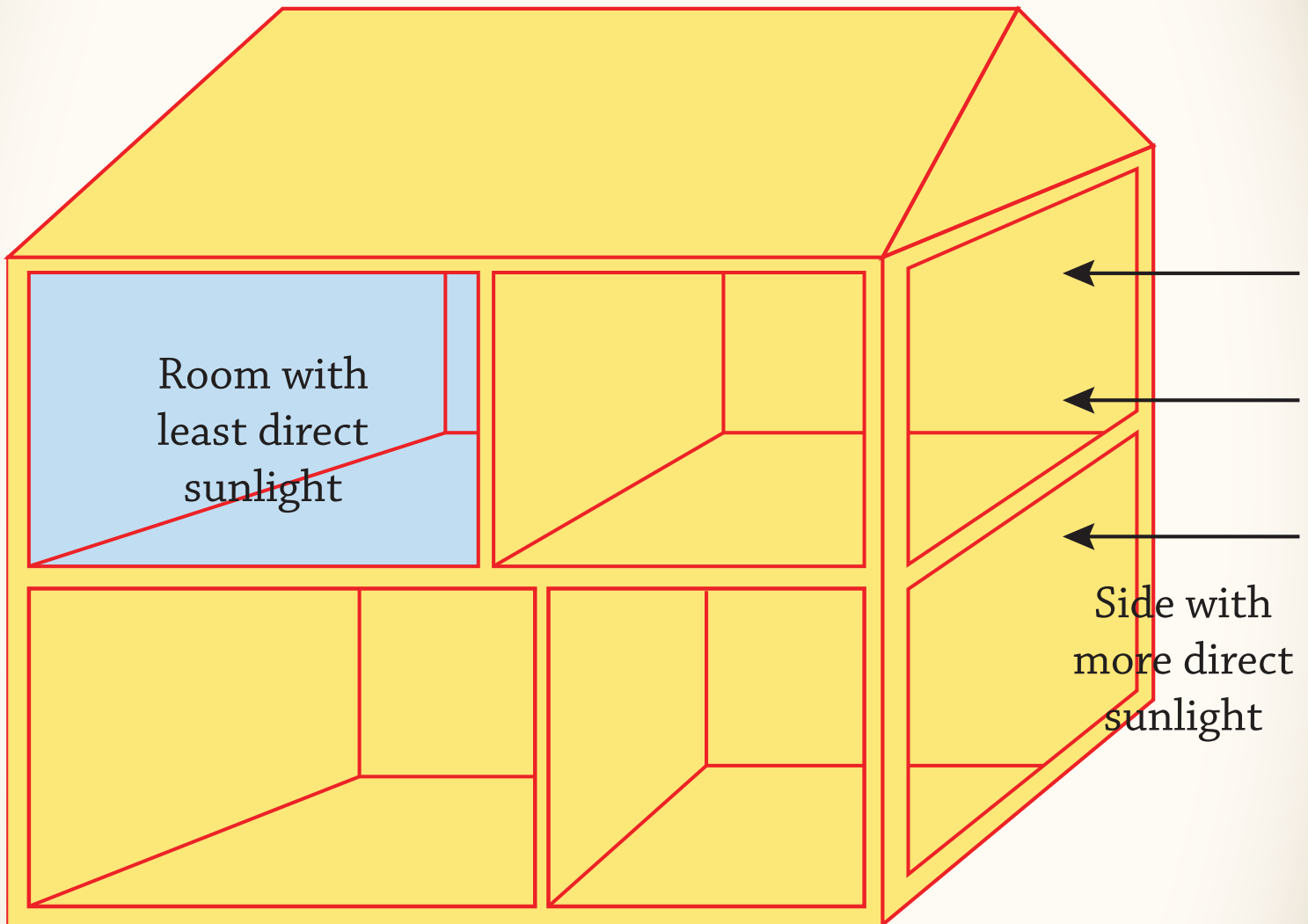


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BUILDING A
WINE
CELLAR

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POSITIONING OF CELLAR ROOM IN HOME

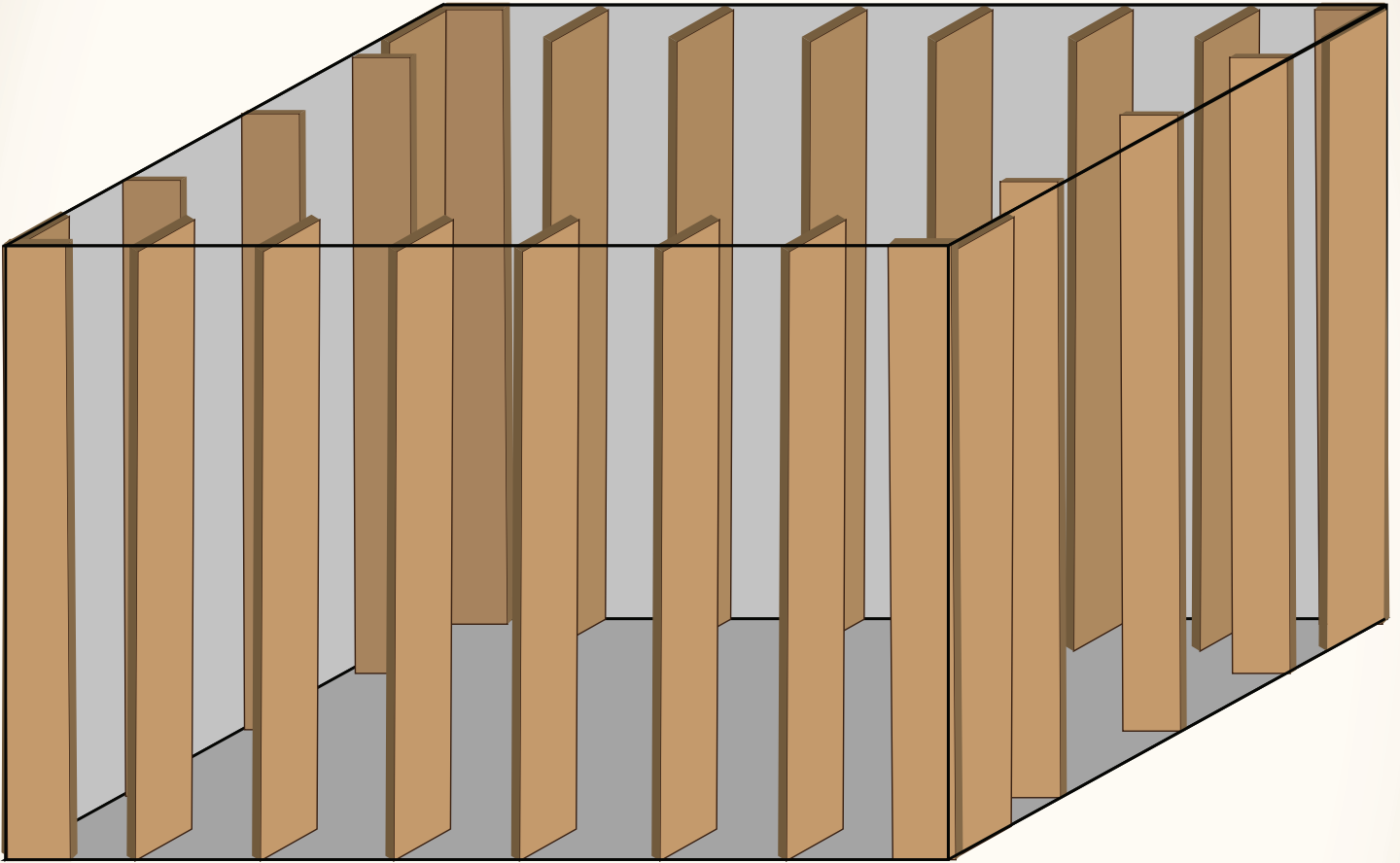


Choose an available room with the least amount of direct sunlight. The less heat it holds, the better your cooling unit and venting system will run.



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FRAMING YOUR CELLAR ROOM

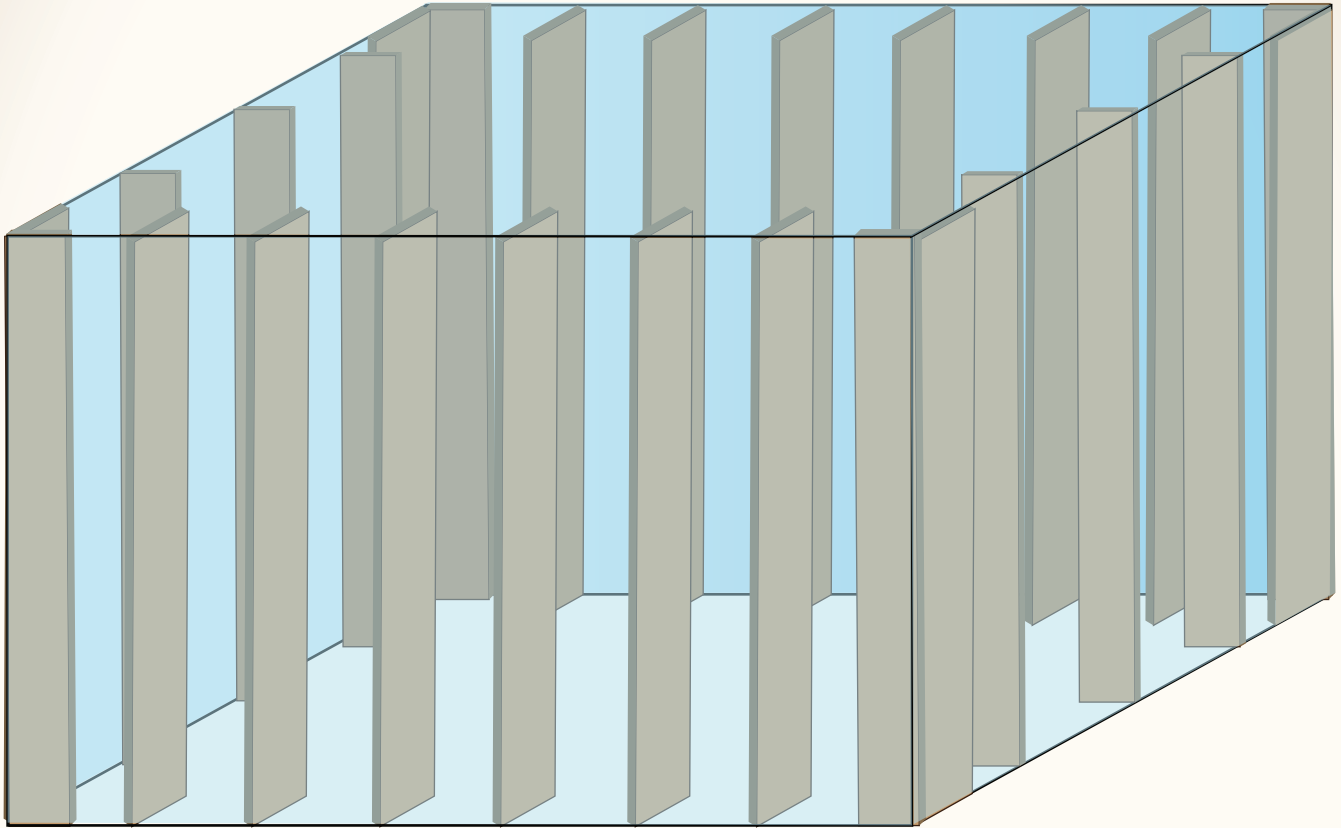


Use 2x4 or 2x6 construction. The more you insulate the cellar, the cooler it will be.

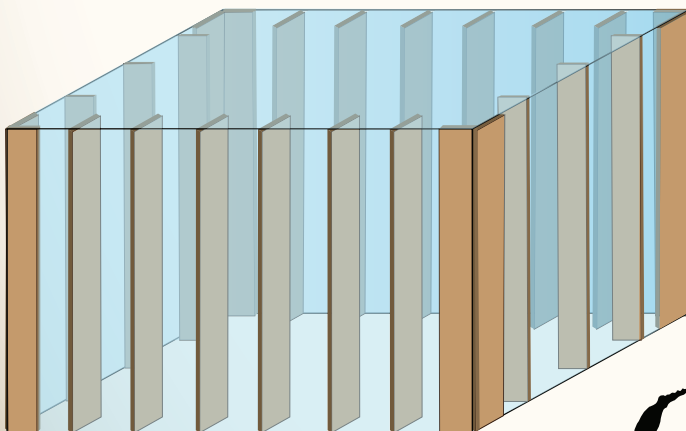


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EXTERIOR VAPOR BARRIER INSTALL



Use 6mm plastic sheeting. The exterior vapor barrier keeps out excess moisture and helps maintain proper humidity levels.



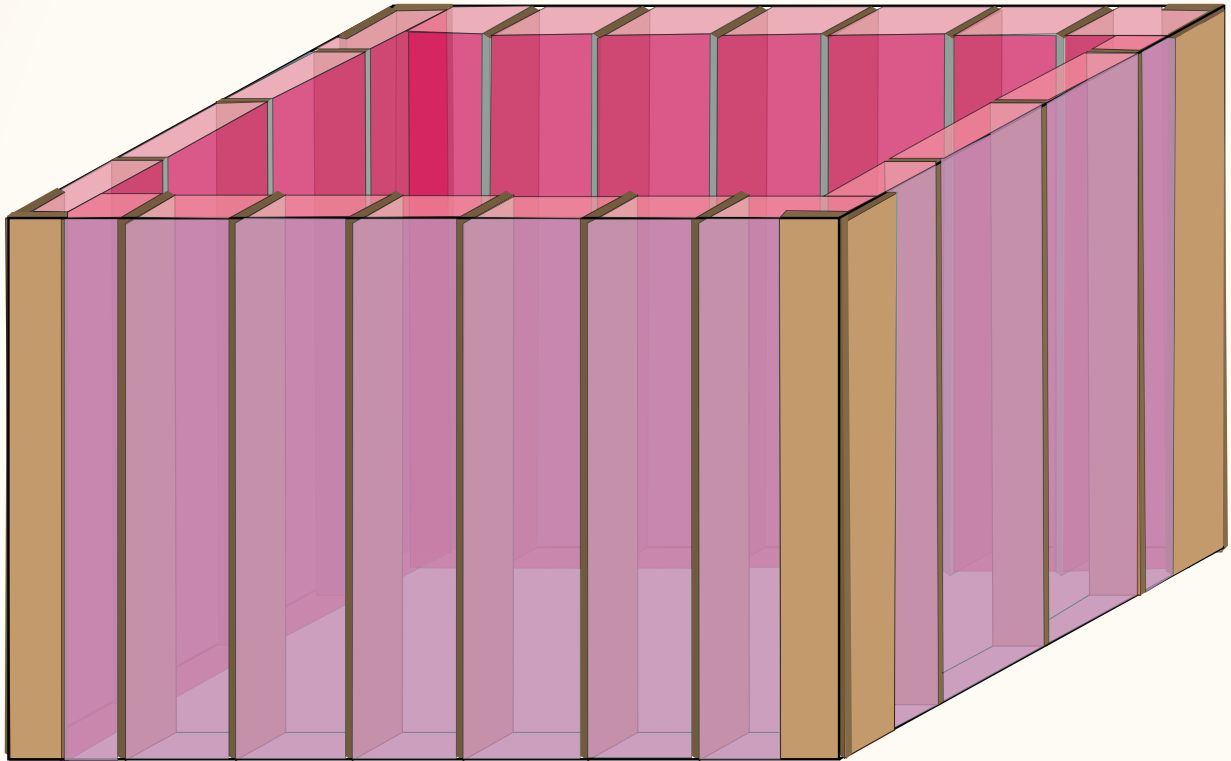
INTERIOR VAPOR BARRIER INSTALL

If it is more feasible, then you can install the vapor barrier on the interior side of the room and ceiling.

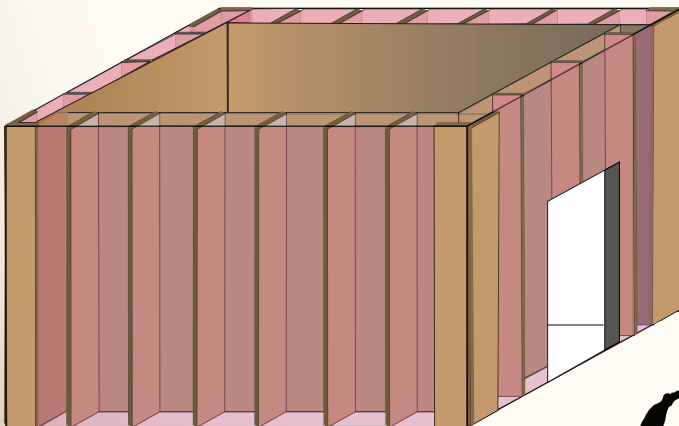


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INSULATION & WALL COVERING INSTALL



Use fiber glass, foam or blown-in insulation. A min of R-13 is required for walls, R-19 for the ceiling, but R-30 is recommended.



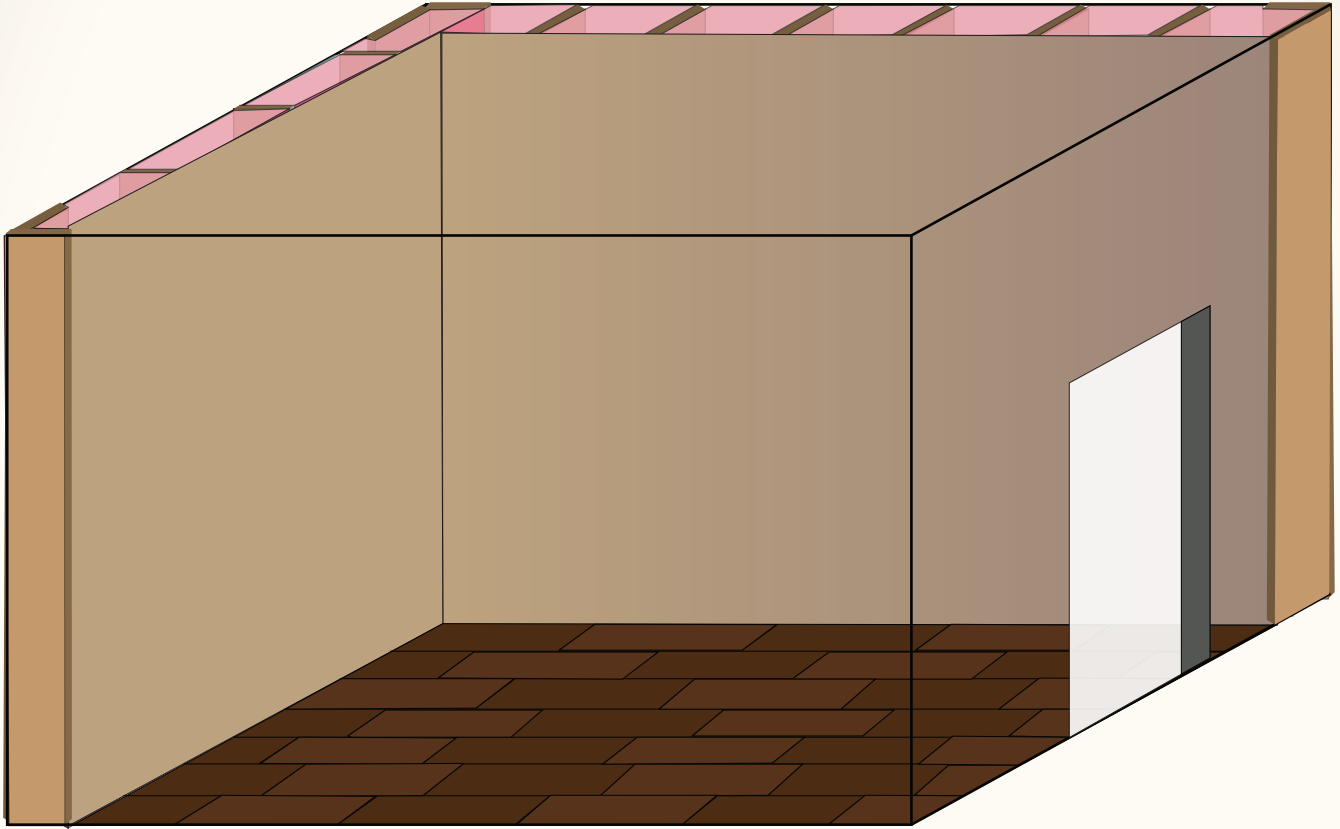
WALL COVERING

Once the insulation is complete, add a wall covering. Standard sheetrock or greenboard are acceptable covers.

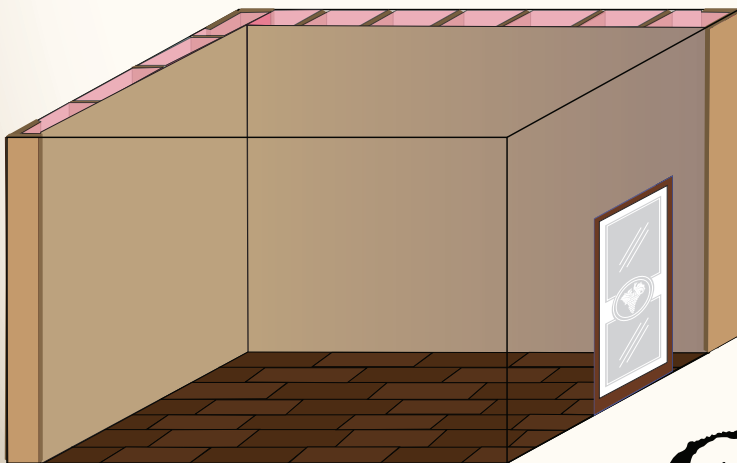


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INSTALLING FLOORING & DOORS



Hardwood, slate, marble and vinyl are appropriate materials to use for floors.



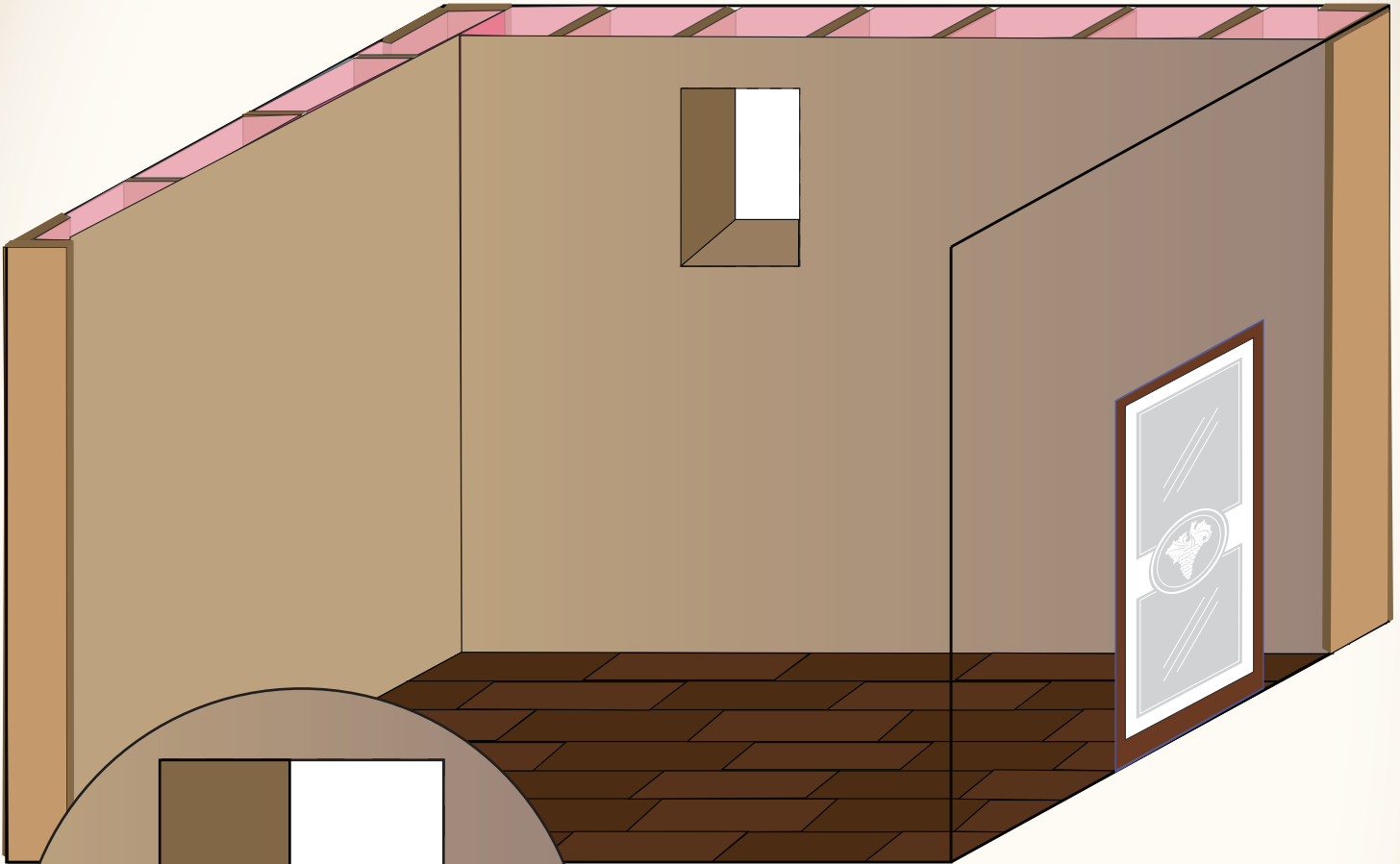
DOOR INSTALLATION

There are a lot of options for decorative doors, but make sure your door is weather grade and is fitted to form a tight seal.



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FRAMING THE COOLING UNIT

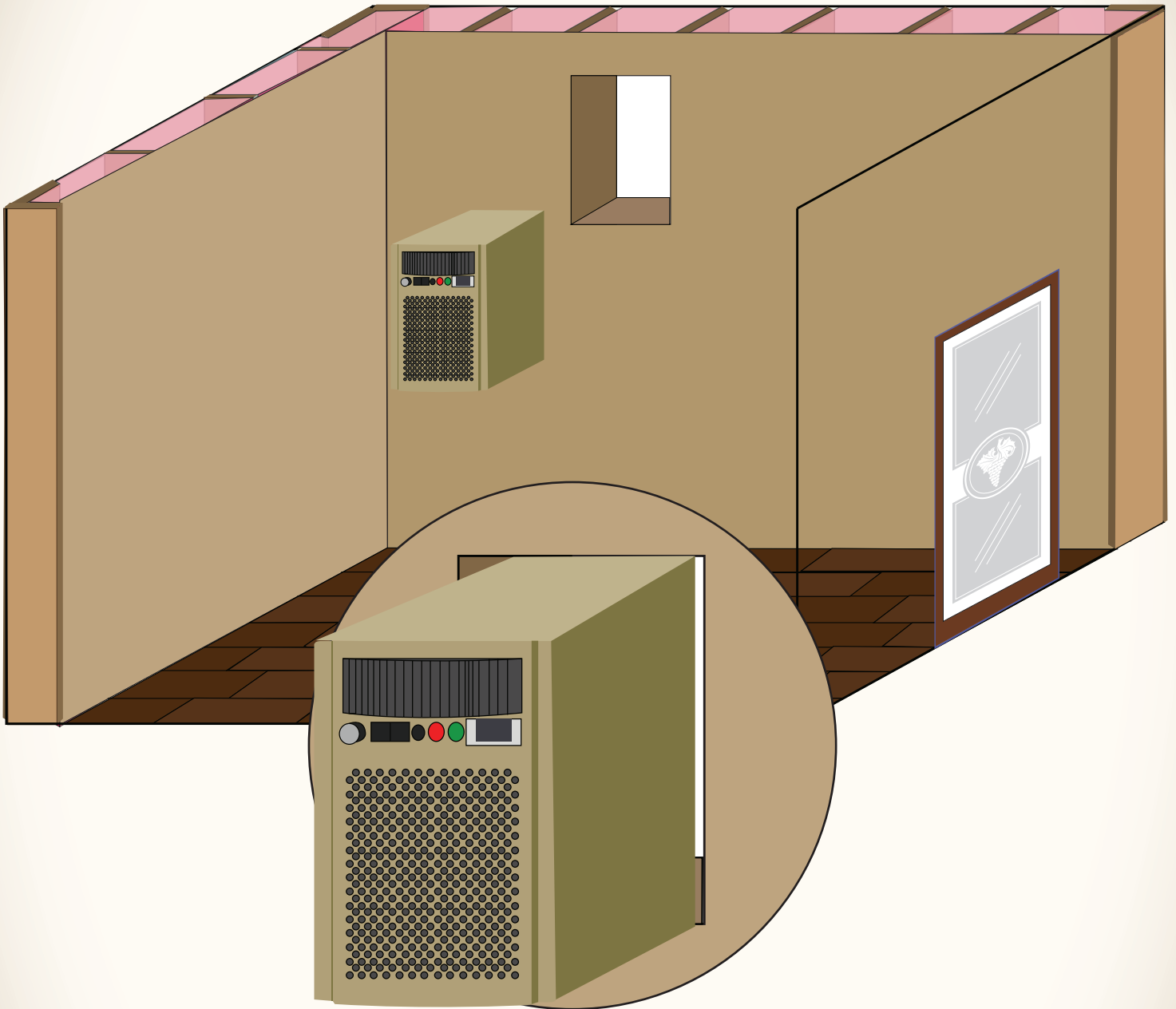


You can install a **self-contained** cooling unit yourself. A self-contained unit fits between two wall studs and needs to be within 12 inches from the ceiling. For a **split system** or **ducted system** installation, call a certified technician for details.



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COOLING UNIT INSTALLATION

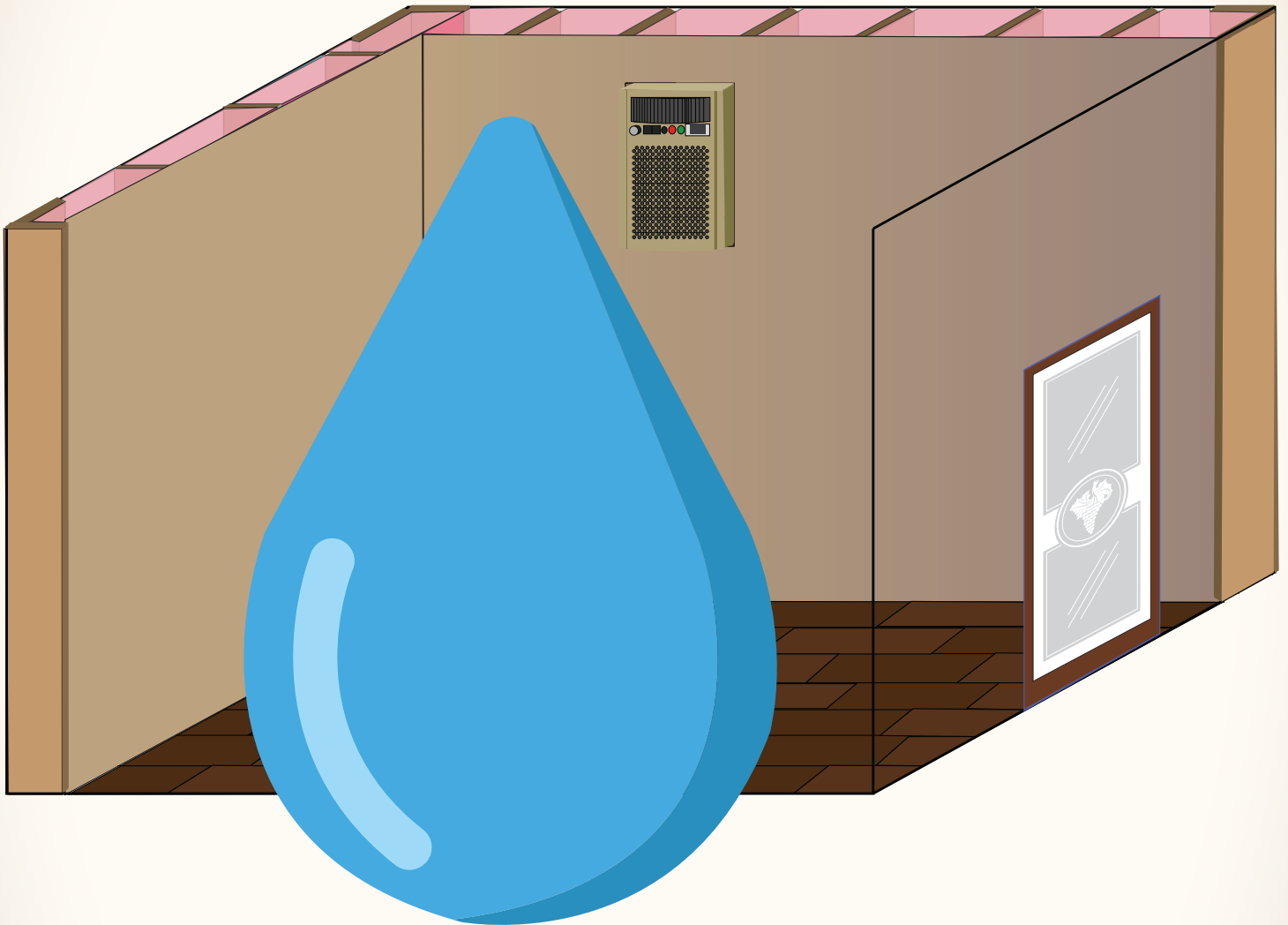


A reliable cooling unit is key to humidity control. **WineMate.com** and **Vinotemp.com** have a wide array of cooling units to fit all your wine cellar project needs.



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MAINTAINING HUMIDITY LEVELS

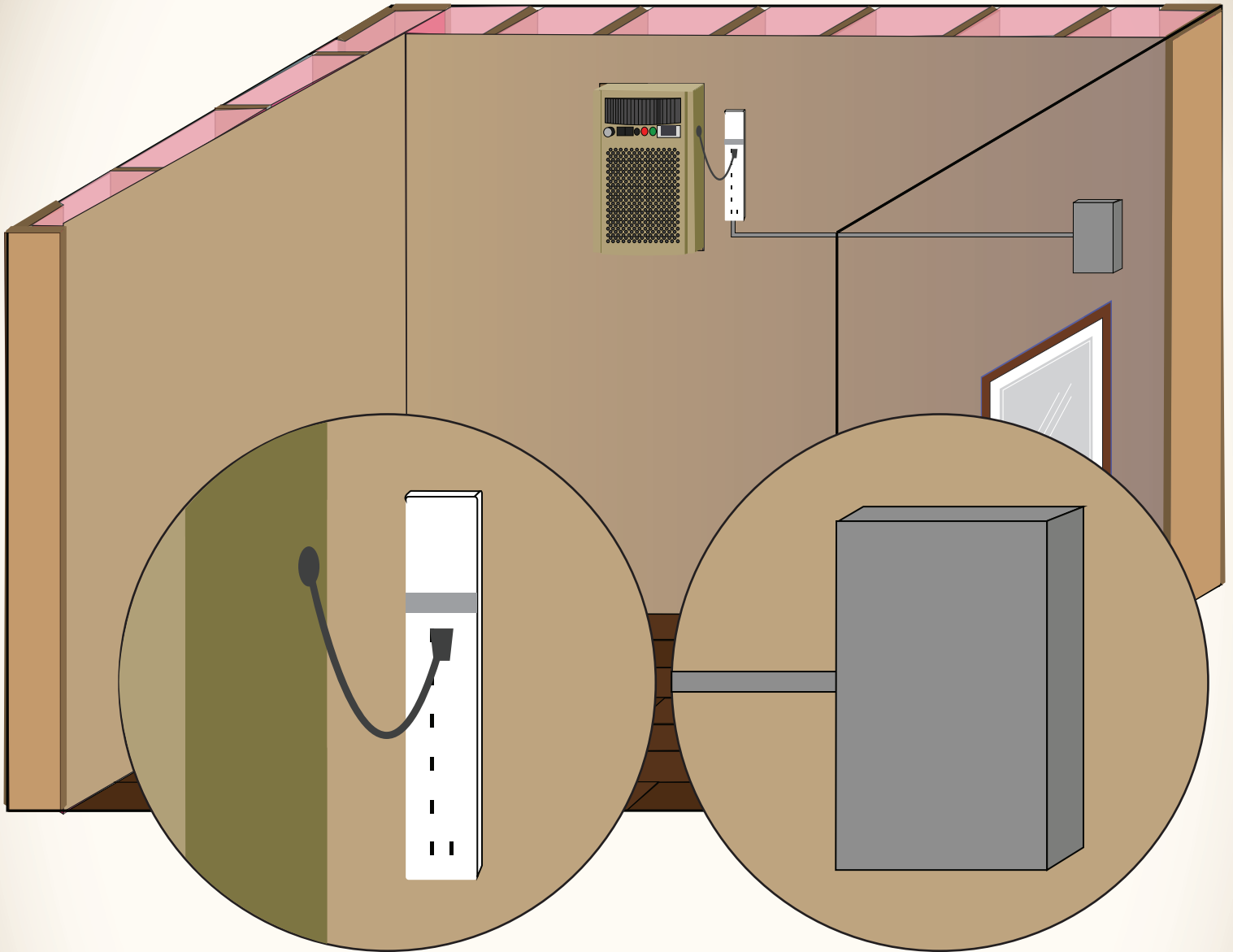


Your newly installed cooling unit will keep the level of humidity between 50% - 70%. It also functions to remove any unnecessary moisture and not create any humidity.



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ELECTRICAL REQUIREMENTS

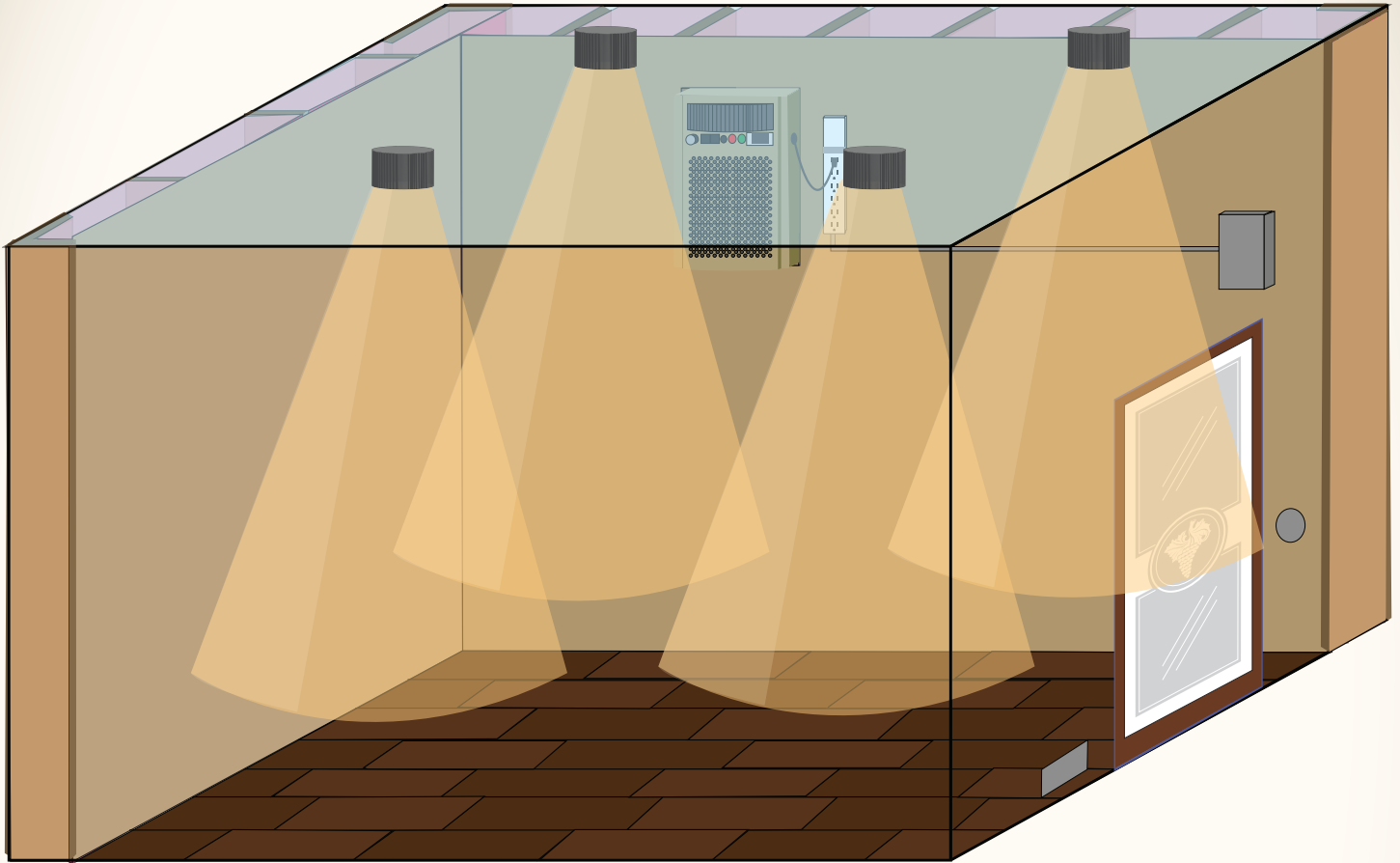


For safety, it is important to be familiar with the requirements of any electrical device you purchase. To hook up the system, plug in the front or back of the unit and be sure to use a surge protector. It will require a dedicated 110 volt, 20 AMP circuit.

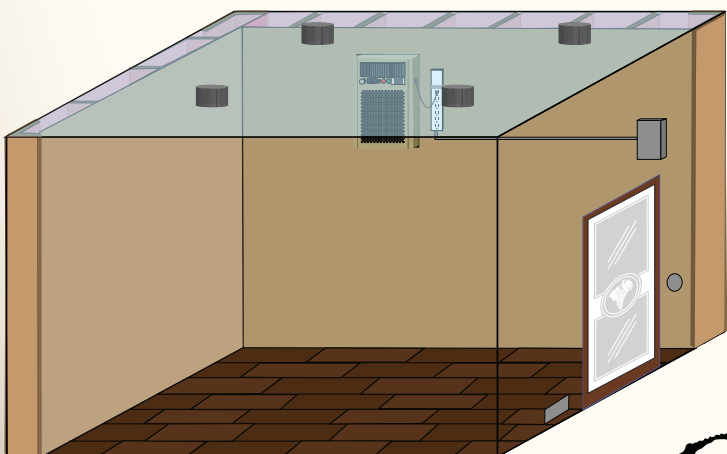


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LIGHTING



To light your cellar and properly display your collection, use low voltage lighting or LEDs.



VAPOR BARRIER, TIMERS & MOTION DETECTORS

Be careful of the vapor barrier when installing ceiling lights. Install timers and motion detectors to protect your cellar from incidents as well as save on your electricity bill.



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PROPER VENTILATION



One important factor to remember is the proper ventilation of your wine cellar. In order to maintain ideal levels of humidity to protect your wine, proper ventilation is necessary.

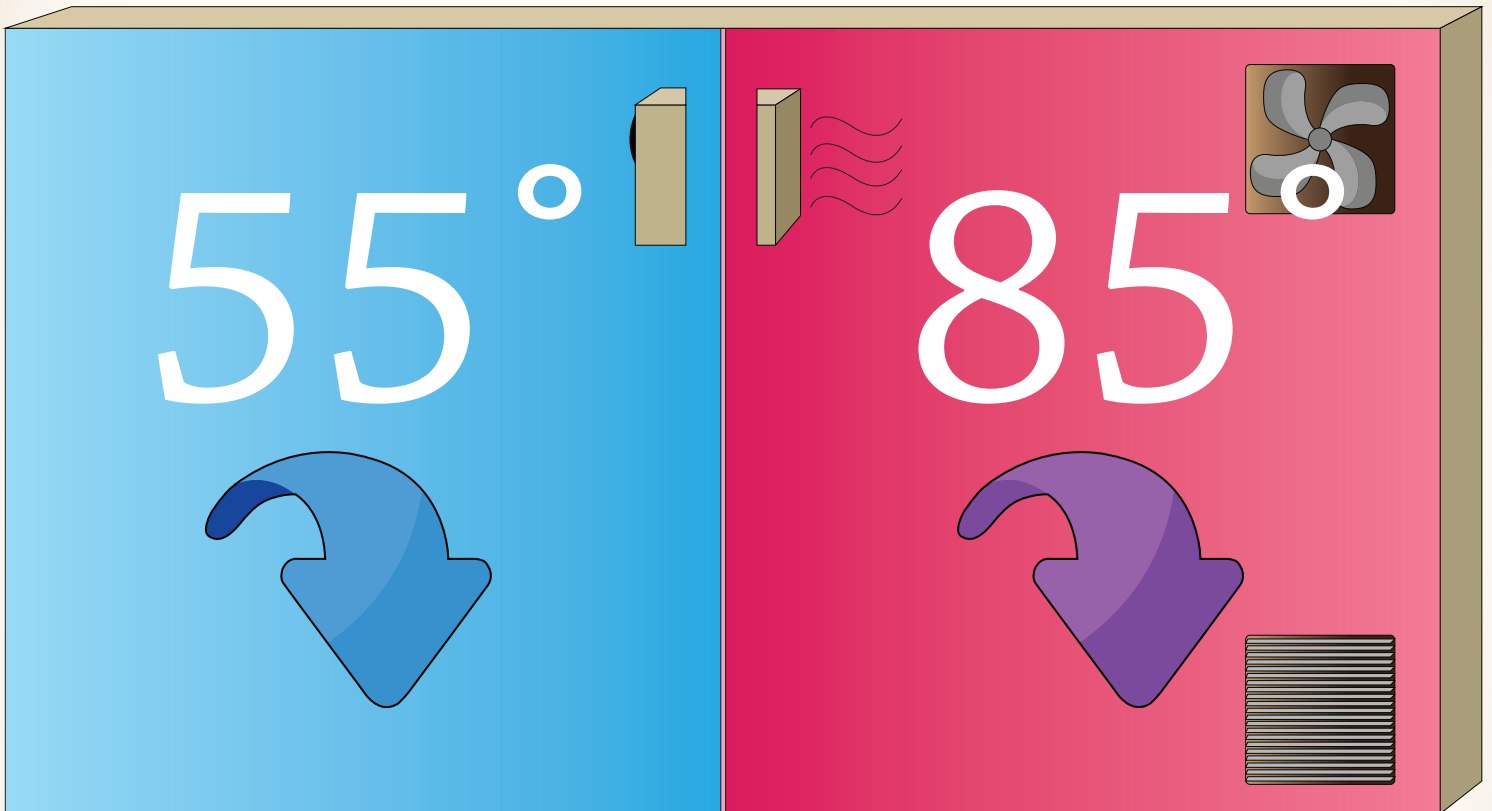


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MAINTAIN A
30° DIFFERENTIAL

WINE CELLAR

EXHAUST ROOM

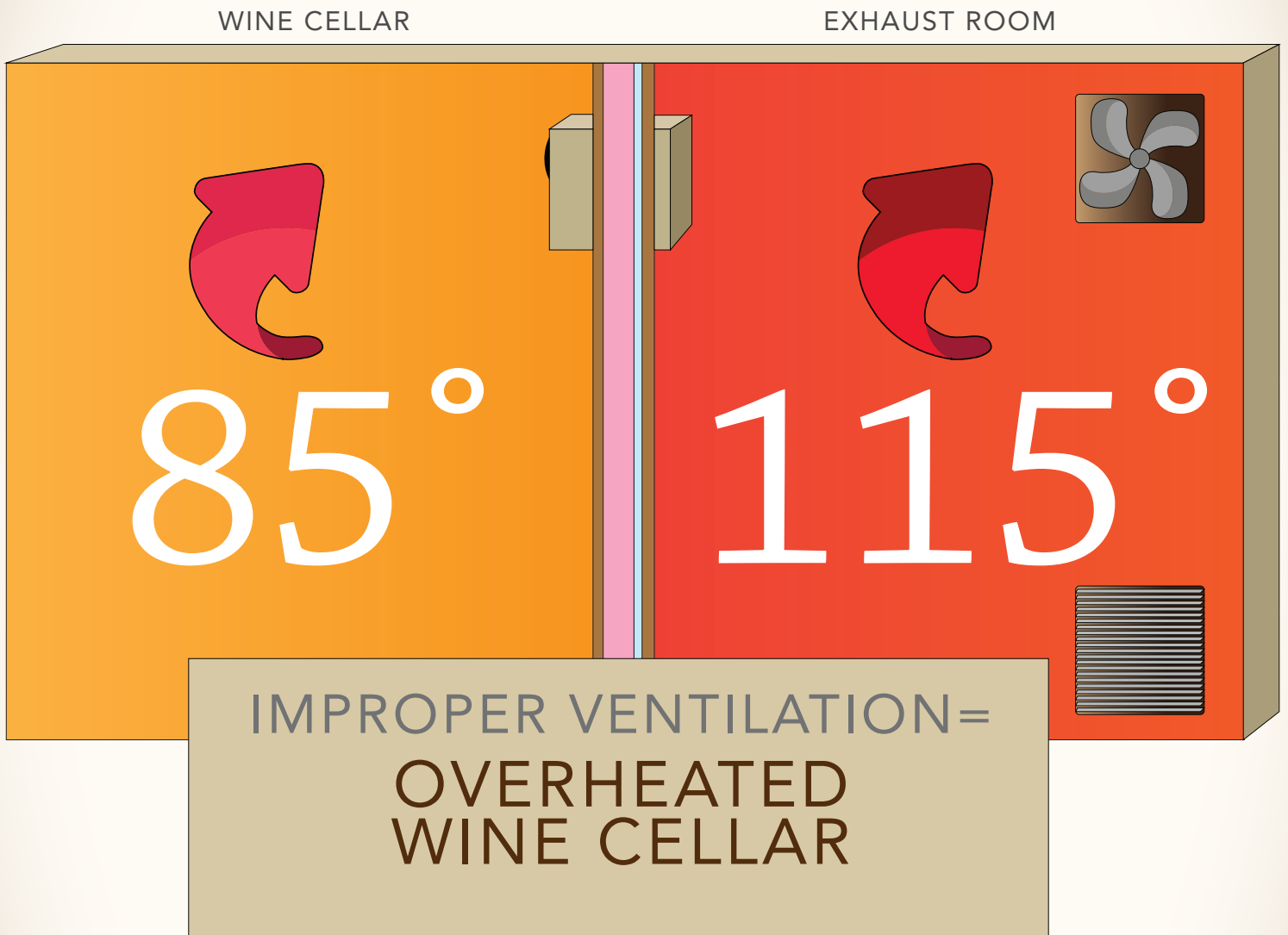


The **MAXIMUM** temperature difference between your wine cellar and exhaust room should only be 30°. A good cooling unit will regulate temperature fluctuations.



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VENTILATION KEEPS THE EXHAUST ROOM FROM OVERHEATING

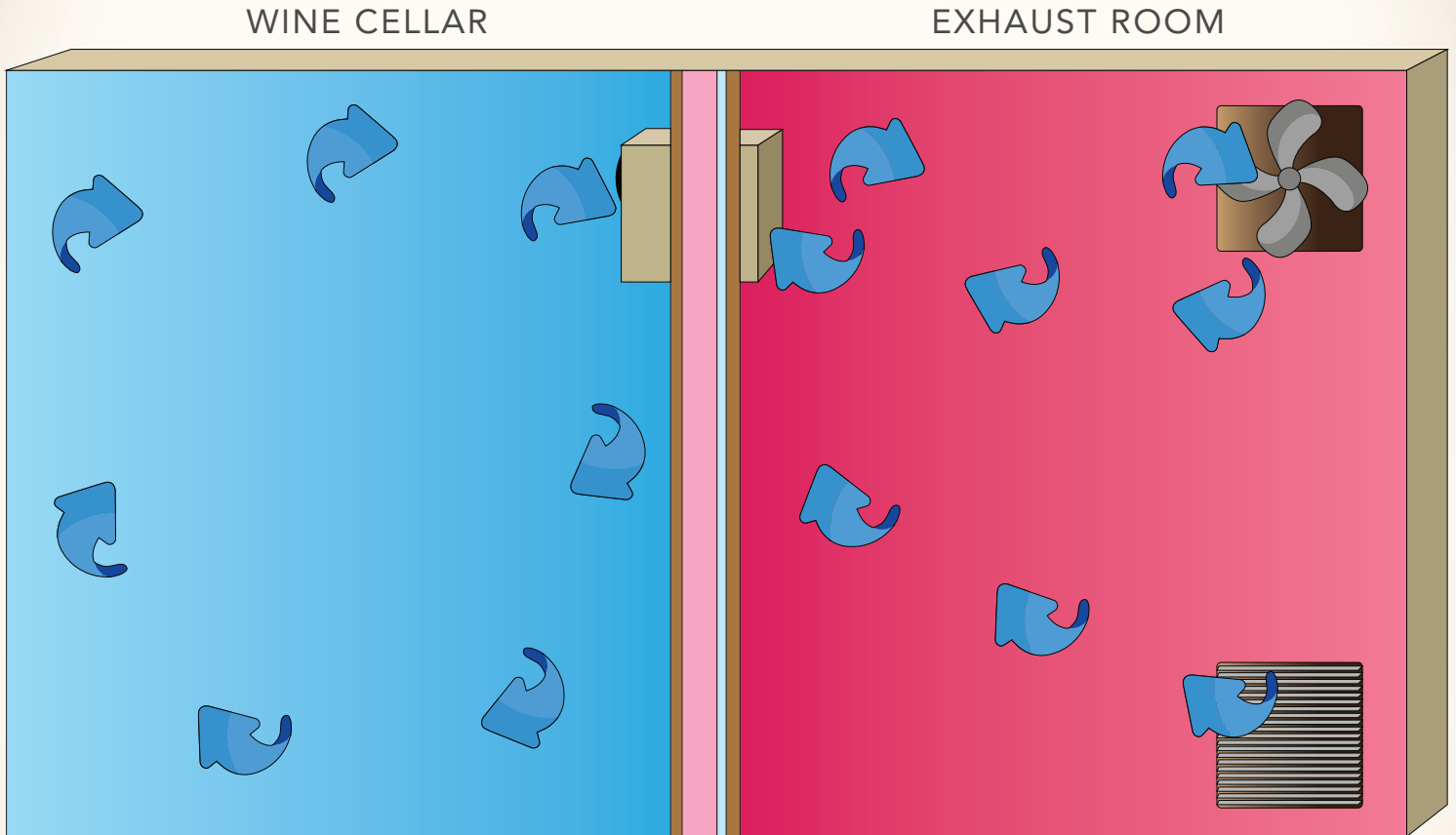


Without ventilation and air intake, your exhaust room will adversely affect your cellar. If your exhaust room ever reaches 115°, your wine cellar will reach 85°, which may ruin your wine.



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VENTILATION WORKS WITH THE COOLING UNIT



55°

70°-85°

Your venting system will work in conjunction with your cooling unit to maintain ideal humidity and temperatures.

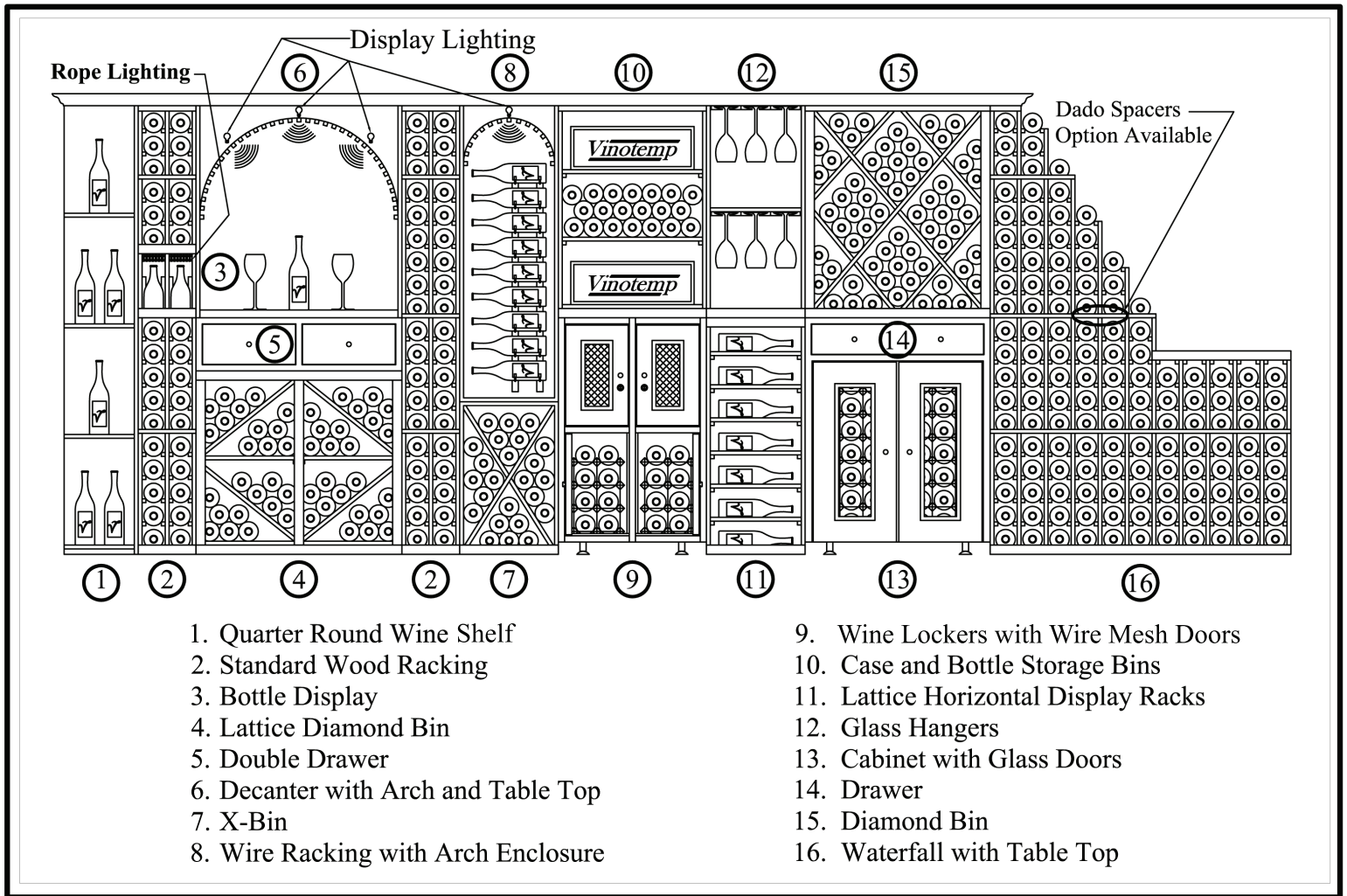


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RACKING

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A PROUD HERITAGE OF EXPERIENCE & QUALITY



WWW.VINOTEMP.COM ~ 17631 S. Susana Road, Rancho Dominguez, CA 90221 ~ 1.800.777.8466 ~ Fax 310.886.3310

Now it is time to decide how your wine will be stored and displayed. There are many racking options to choose from. Vinotemp's sales and design teams can help you choose and design the perfect racking for your cellar.



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This concludes our introduction to building a wine cellar. We hope that you found it informative and that you choose to move forward with building your dream wine cellar. We are here to help you with any questions you have, so don't hesitate to give us a call.

