

double wide mobile home blocking diagram

Double wide mobile home blocking diagram is an essential aspect of installing and stabilizing a double wide mobile home. Proper blocking ensures that the home is level, secure, and capable of withstanding various environmental factors such as wind and seismic activity. In this article, we will delve into the details of creating a blocking diagram for a double wide mobile home, outlining the necessary steps, components, and considerations involved in the process.

Understanding Double Wide Mobile Homes

Double wide mobile homes are manufactured homes that consist of two sections (or "halves") that are transported separately and then joined together on-site. These homes offer more space and amenities compared to single wide mobile homes, making them a popular choice for families. However, because of their larger size, double wide mobile homes require specific attention to blocking to ensure they are safe and stable.

What is Blocking?

Blocking refers to the process of providing a solid foundation for a mobile home. It involves placing blocks or piers beneath the frame of the home to distribute weight evenly and maintain stability. Proper blocking is crucial to avoid structural issues such as sagging floors, misaligned walls, and damage from environmental factors.

Components of a Blocking Diagram

A blocking diagram serves as a visual guide for the placement of blocks and supports under a double wide mobile home. Understanding the key components of this diagram is essential for a successful installation. Here are the primary elements to include:

1. Foundation Type

The foundation type affects the blocking diagram. Common foundation types for double wide mobile homes include:

- Pier and Beam: This method uses piers to elevate the home and provide ventilation underneath.
- Slab Foundation: A concrete slab provides a solid base without the need for additional blocking.
- Crawl Space: This allows for easy access to plumbing and electrical systems while providing adequate ventilation.

2. Frame Structure

The frame of the double wide mobile home must be considered when creating the blocking diagram. Important aspects include:

- Main Beams: These are the structural elements that run the length of the home and bear most of the weight.
- Cross Members: These are placed perpendicular to the main beams and help distribute the load.

3. Blocking Materials

Choosing the right blocking materials is crucial for stability. Common materials include:

- Concrete Blocks: Durable and often used for pier foundations.
- Wood Blocking: Pressure-treated wood can also be used but must be protected from moisture.
- Metal Piers: Heavy-duty options that provide superior strength and longevity.

Steps to Create a Double Wide Mobile Home Blocking Diagram

Creating a blocking diagram involves several steps to ensure accuracy and stability. Follow these guidelines to effectively design your diagram:

Step 1: Assess the Site Conditions

Before creating a blocking diagram, evaluate the site where the mobile home will be placed. Consider the following:

- Soil Type: Sandy or clay soils will affect the placement of blocks.
- Slope: A sloped site may require additional leveling.
- Drainage: Ensure proper drainage to avoid water pooling under the home.

Step 2: Measure the Home's Dimensions

Accurate measurements are crucial for creating a blocking diagram. Measure the following:

- Length and Width: Know the exact dimensions of the double wide mobile home.
- Height: Determine how high the home will be elevated above the ground.

Step 3: Determine the Blocking Layout

Using the measurements, sketch a layout of where the blocks will be placed. Consider the following points:

- Spacing: Blocks should be spaced evenly to support the main beams and cross members. A general guideline is to place blocks every 6 to 8 feet.
- Corner Support: Ensure that all corners have adequate blocking for stability.
- Additional Support: Areas with heavier loads, such as kitchens or bathrooms, may require extra blocking.

Step 4: Create the Diagram

Using graph paper or design software, create a blocking diagram that includes:

- Scale Drawing: Represent the mobile home's dimensions accurately.
- Block Placement: Clearly mark where each block or pier will be placed.
- Measurements: Include all relevant measurements for clarity.

Installation of Blocking for Double Wide Mobile Homes

Once the blocking diagram is complete, the next step is to install the blocks. Follow these steps for proper installation:

1. Prepare the Site

- Clear the area of debris and vegetation.
- Level the ground as necessary to create a flat surface for the blocks.

2. Place the Blocks

- Begin placing the blocks according to the diagram.
- Ensure that each block is level and aligned with the others.
- Use a level to check that the blocks are even.

3. Install the Beams

- Once the blocks are securely in place, install the main beams on top.
- Make sure the beams are centered over the blocks for optimum weight distribution.

4. Secure the Structure

- Use straps or anchors to secure the mobile home to the blocking.
- This helps prevent movement during high winds or seismic activity.

Post-Installation Considerations

After completing the blocking installation, it's essential to conduct a few final checks and considerations:

1. Leveling the Home

- After the blocking is in place, use a level to check the entire structure.
- Adjust the blocks as necessary to ensure the home is level from all angles.

2. Inspection

- Consider having a professional inspect the installation to ensure it meets local building codes and safety standards.
- Regular inspections can help identify any potential issues before they become serious problems.

3. Maintenance

- Regularly check the blocking and piers for signs of wear or settling.
- Address any issues promptly to maintain the stability and safety of the home.

Conclusion

Creating a double wide mobile home blocking diagram is a crucial step in ensuring the stability and safety of the home. By understanding the components involved, following the correct installation steps, and maintaining the structure, homeowners can enjoy their mobile homes for many years to come. Properly executed blocking not only protects the investment but also provides a comfortable living environment that can withstand the challenges of nature. Whether you are a DIY enthusiast or hiring professionals, understanding the blocking diagram process will help you achieve the best results for your double wide mobile home.

Frequently Asked Questions

What is a double wide mobile home blocking diagram?

A double wide mobile home blocking diagram is a visual representation that illustrates how to properly support and stabilize a double wide mobile home using blocks, piers, and other materials.

Why is blocking important for double wide mobile homes?

Blocking is crucial as it provides structural support, prevents shifting, and helps maintain the integrity of the home during adverse weather conditions.

What materials are typically used in blocking a double wide mobile home?

Common materials include concrete blocks, piers, treated lumber, and sometimes metal supports, depending on the specific requirements of the installation.

How can I determine the correct blocking layout for my double wide mobile home?

Consulting the manufacturer's guidelines and local building codes is essential to determine the correct blocking layout, as it varies depending on the model and site conditions.

What are the common mistakes to avoid when blocking a double wide mobile home?

Common mistakes include improper spacing of blocks, insufficient weight distribution, and failing to account for ground settling or soil conditions.

How often should I check the blocking of my double wide mobile home?

It's recommended to check the blocking at least once a year, or after severe weather events, to ensure that it remains secure and stable.

Can I block my double wide mobile home myself, or should I hire a professional?

While some homeowners may choose to do it themselves, hiring a professional is advisable to ensure it meets safety standards and local codes.

What is the difference between blocking and skirting for

double wide mobile homes?

Blocking provides structural support, while skirting encloses the area beneath the home, improving aesthetics and protecting against pests and weather.

Are there specific codes that govern the blocking of double wide mobile homes?

Yes, local building codes and regulations often dictate the specific requirements for blocking, so it's essential to check with local authorities before installation.

What should I do if my double wide mobile home is shifting despite proper blocking?

If your home is shifting, it's important to check for ground settling issues or inadequate blocking. Consulting a professional to assess and address the problem is recommended.

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