

As the location and load for each support is determined, note it on the sketch. When selecting locations for supports, keep in mind that increasing the spacing between supports will increase the load on that support and the size of the required footing.

DETERMINE LOCATIONS

Point loads exist where a bearing/structural weight is concentrated and transferred to the foundation at a specific point. Locate a support under each point load, including the following examples:

- Exterior doors in side walls at both sides of each door (blocking is not required at exterior doors in end walls supported by the steel header or exterior doors located in side walls when chassis I-beam spacing is 112" on-center).
- Other exterior wall openings four feet and greater at both sides of each opening (including multiple windows that total four feet wide or more without intermediate supports, even if individual windows are less than four feet).
- Marriage line openings four feet or greater at both sides of each opening.
- Locations where through-the-rim crossover ducts penetrate the rim joist at the marriage line (unless otherwise noted in supplemental documents provided with the home or unless the home is constructed with a perimeter frame system).
- Marriage line columns.
- Load-bearing porch posts.
- On each side of factory installed fireplaces when located on the exterior sidewalls or marriage walls (except when supported by the steel header).

Adjustable outriggers may be used to replace piers below exterior door or window openings less than 48" and below factory installed fireplaces located on the exterior sidewalls or marriage walls. Adjustable outriggers may only be substituted if local codes permit the use of these devices and they are installed according to the manufacturer's installation instructions. Factory installed outriggers and crossmembers may also replace piers below exterior door or window openings less than 48". Additional factory installed floor joists may replace piers below openings larger than 48" if noted on other supplemental documents.

Mark the required point load support locations on the sketch. Supports are not required where the manufacturer has reinforced the floor (such as with additional outriggers or floor joists) and so noted in the documentation provided with the home.

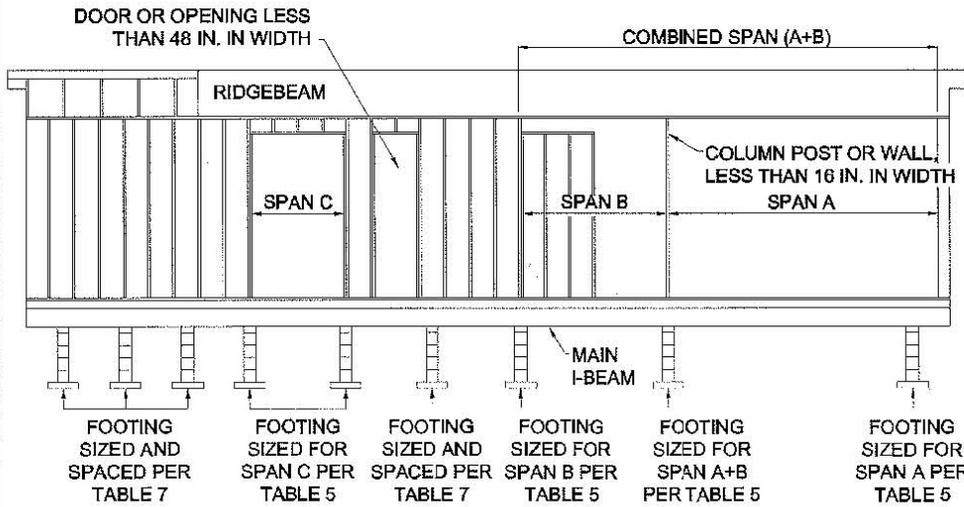


Figure 1. Typical point-load support locations along the marriage line.

CALCULATE LOADS

Use Tables 5-5c to determine the loads on point load supports (columns). For each support, find the table with the appropriate section width. Then, find the row with the appropriate roof load zone and the column corresponding to the span (see Figure 7 for guidance on determining spans — if a support is shared by spans on both sides, add the respective loads together to arrive at the total load under that point). The number in the intersecting cell is the load. Note the required loads next to each point load support on the sketch.

APPROVED BY
NIA INC.
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 FEDERAL MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARDS