

IDAHO  
MANUFACTURED HOME  
INSTALLATION STANDARDS

Installation Inspection:

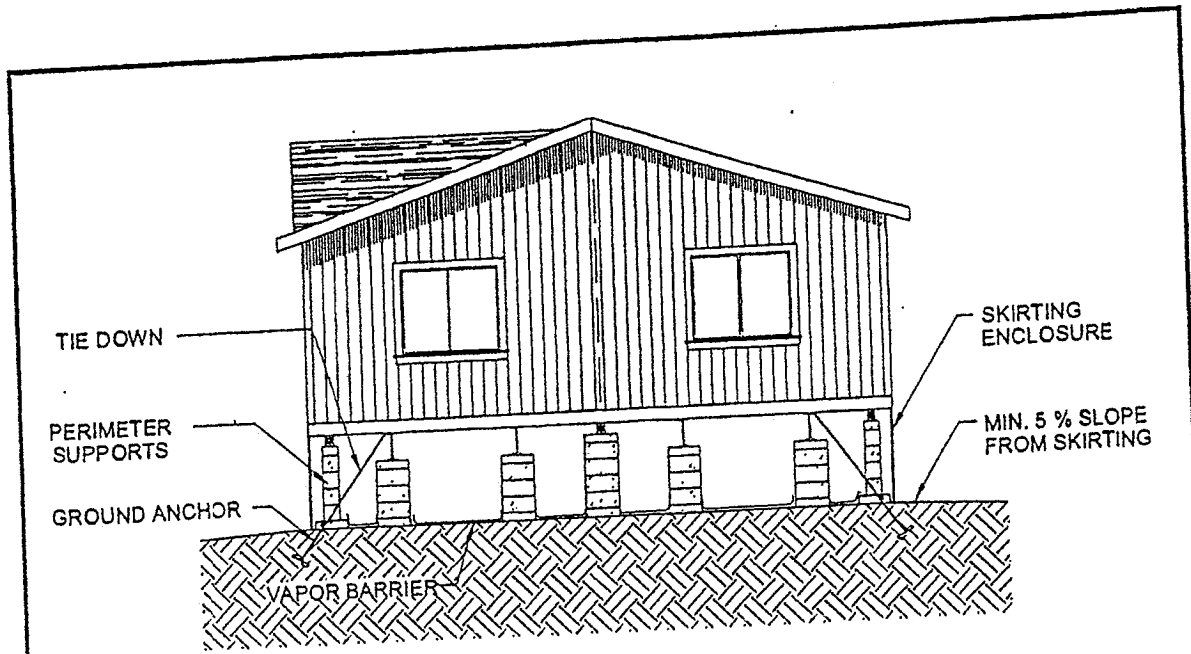
The inspectors should verify that all the following items, as applicable for the specific installation, have been obtained, provided, constructed, or installed in compliance with this standard and the requirements of the local authority having jurisdiction.

a. Permits	l. Under floor access provisions
b. Footings	m. Under floor ventilation provisions
c. Foundations	n. Stairs
d. Vapor Barrier	o. Site grading and drainage
e. Footings, particularly with respect to size, and spacing	p. Site installed exterior doors
f. Piers, particularly with respect to type, size, and spacing	q. Dryer exhaust ducted through skirting or foundation
g. Multi-section connections	r. Heat tape and pipe insulation
h. Weather stripping and weather seals installed on-site	s. Duct crossover, particularly with respect to material, size, clearance, and connection
i. Exposed structural connections	t. Flue, chimney, and vents, particularly with respect to material, size, clearance, connections, and terminations
j. Tie-down attachments	u. Factory installed smoke detectors
k. Skirting or permanent foundation	v. Wood stoves

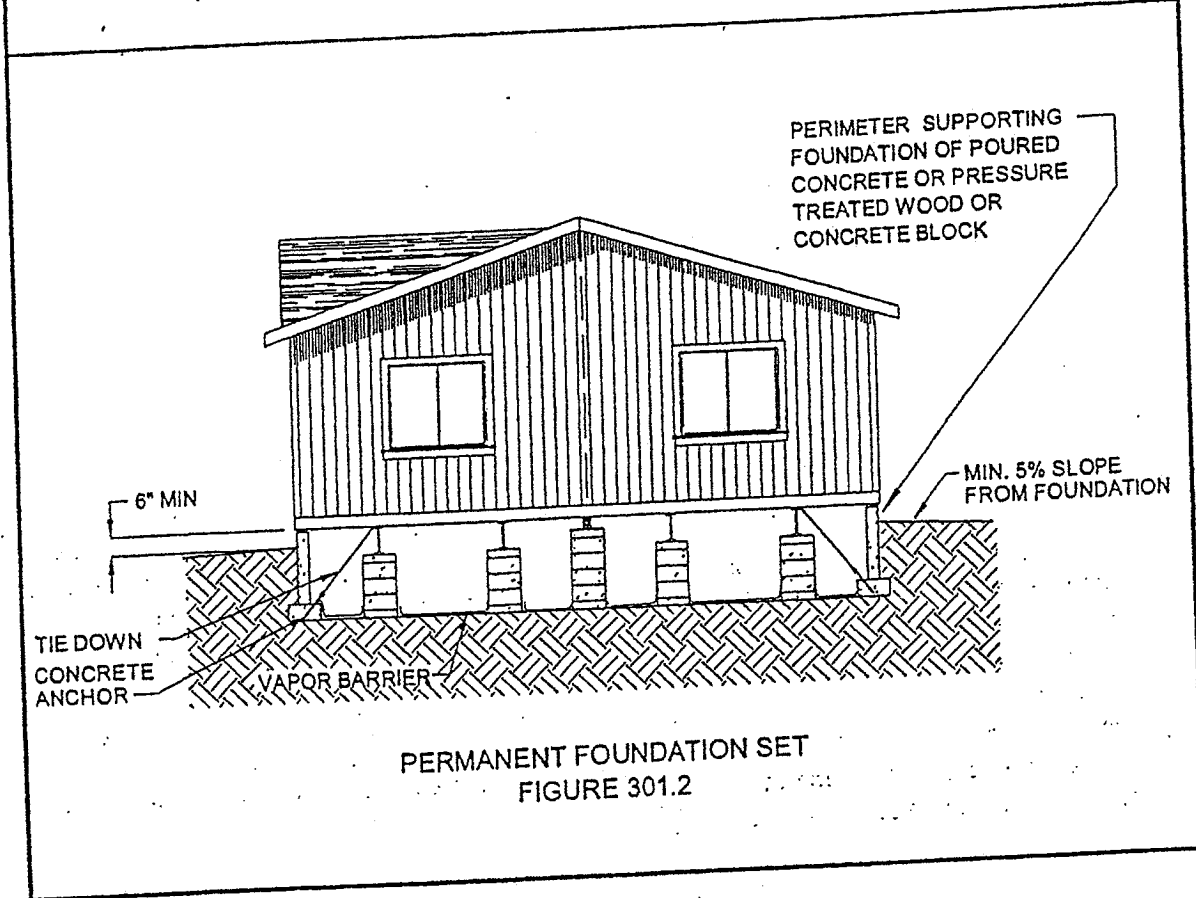
**JAMES A. SEWELL AND ASSOCIATES, LLC**  
1319 North Division Ave  
Sandpoint, ID 83864

**PHONE (208) 263-4160**

**FAX (208) 263-5229**



STANDARD SET  
FIGURE 301.1



PERMANENT FOUNDATION SET  
FIGURE 301.2

FEMA requirements, programs, or insurance contact:

- a. State Coordinator  
Dept. Of Water Resources  
1301 N. Orchard  
Boise, Idaho 83706
- b. Federal Emergency Mgmt Agency  
Federal Regional Center  
130-228th St. SW  
Bothell, Washington 98021-9796

a. Each egress door on a manufactured home shall be accessible by stairs, a ramp, or a deck.

b. Windows and doors shall be adjusted, secured in place, and made operational to provide security, egress, and to minimize air leakage and water penetration.

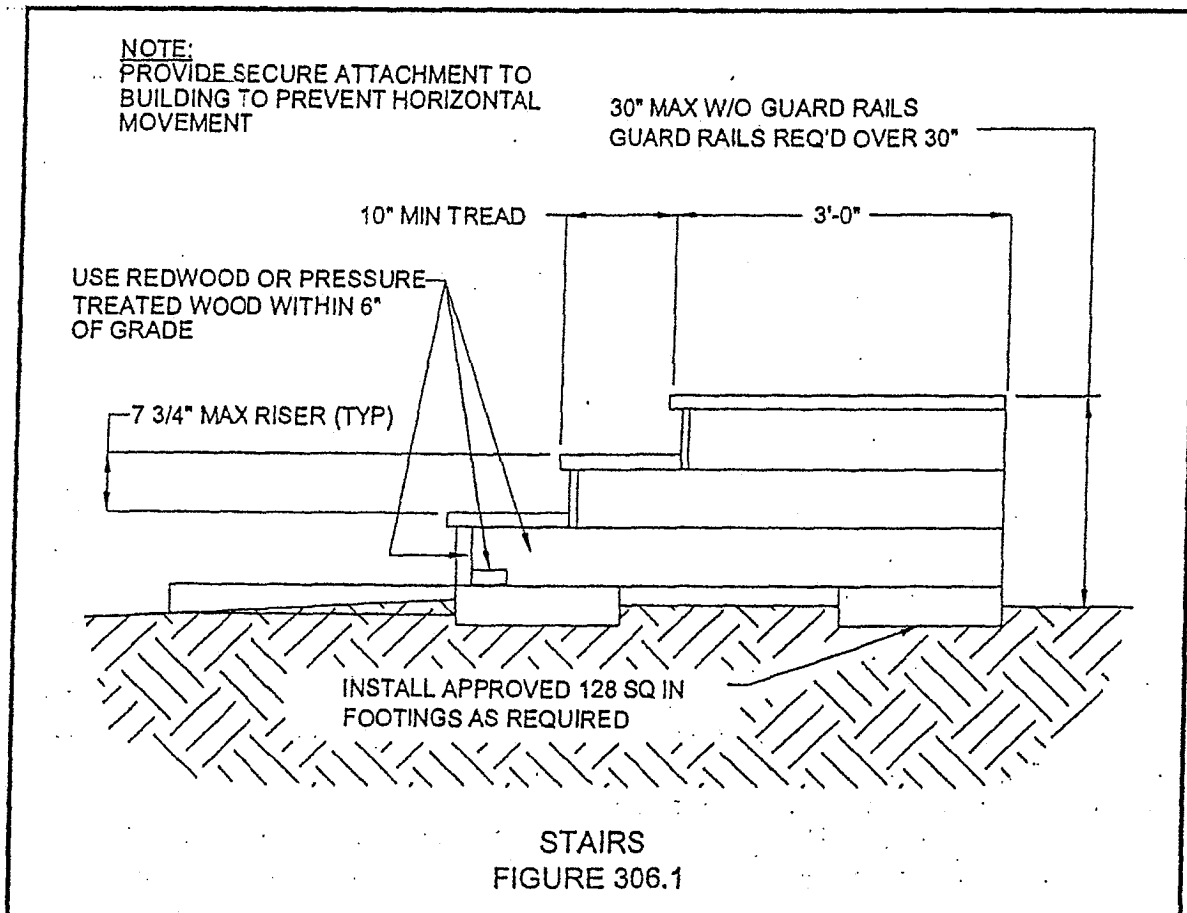
c. Damage to windows and doors which affect their safety features, thermal performance, or operation shall be repaired or replaced.

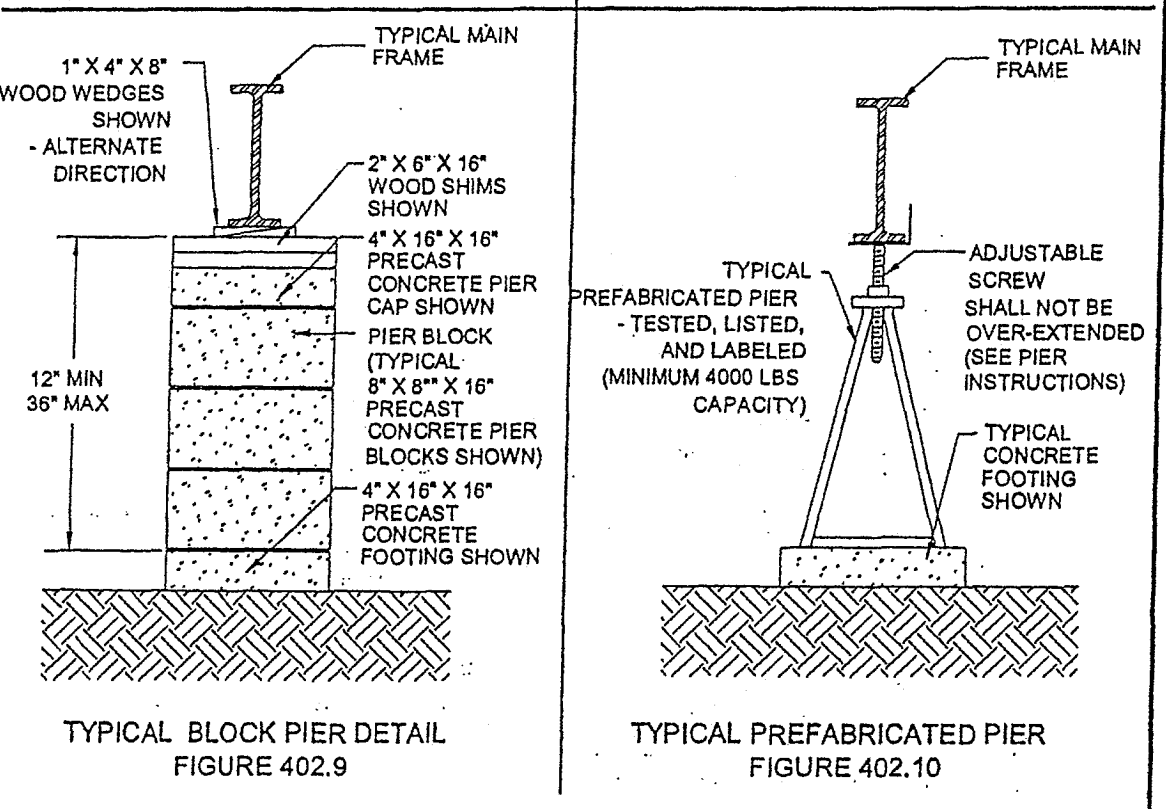
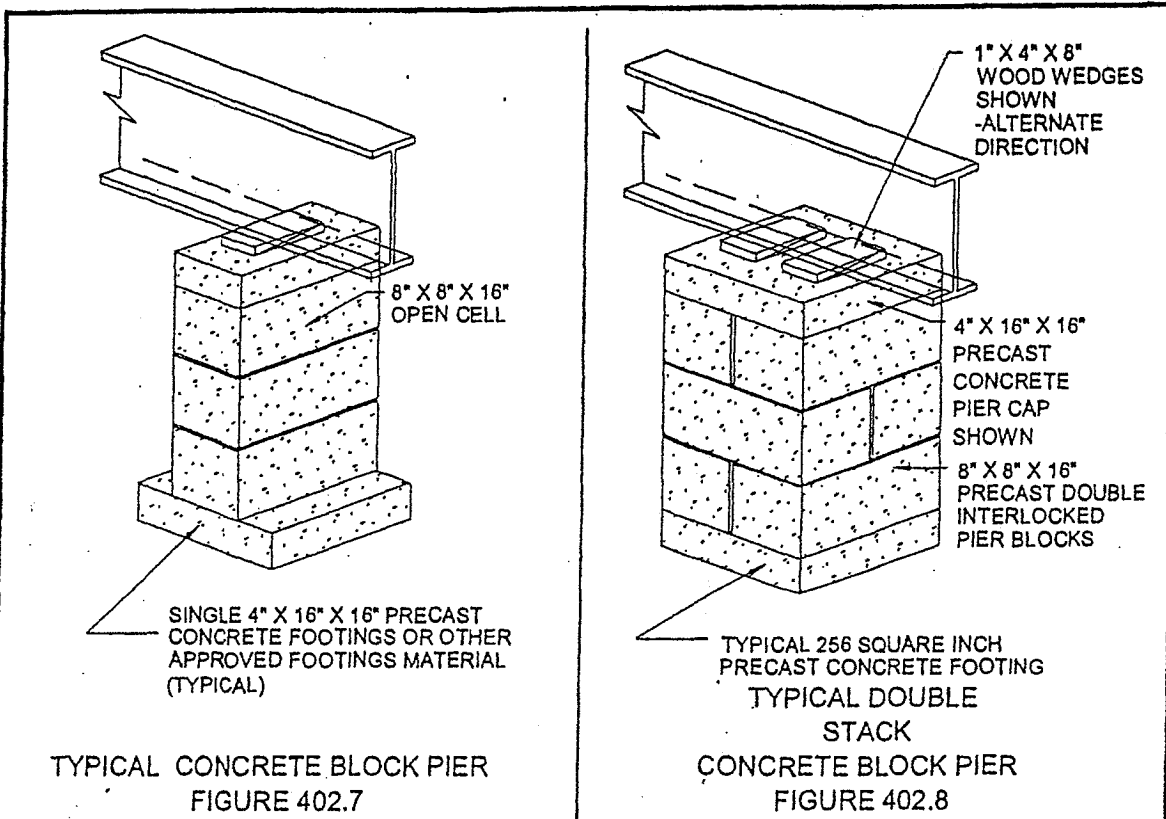
d. Each manufactured home shall have an underfloor access provided and constructed according to Section 704.

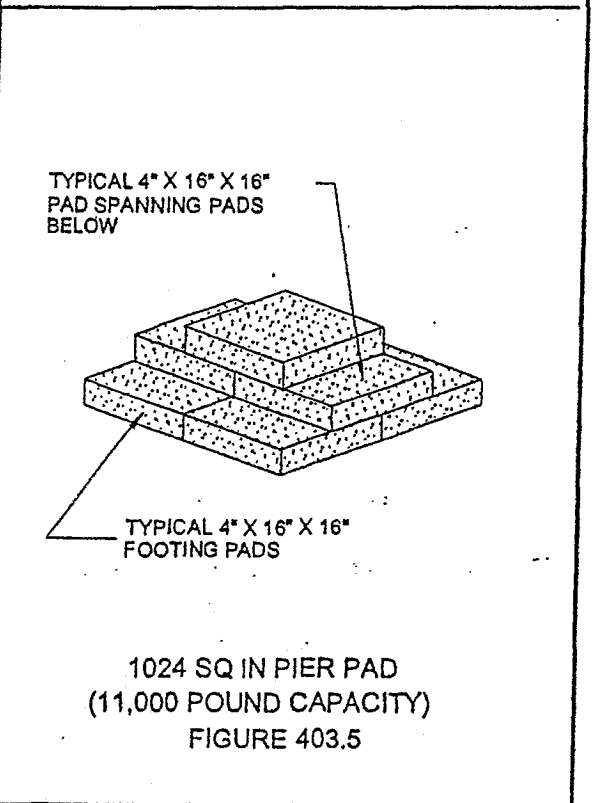
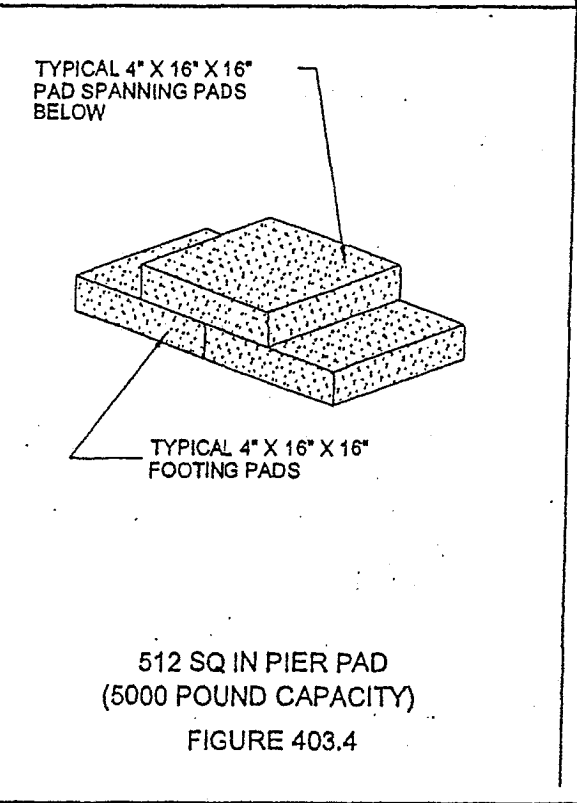
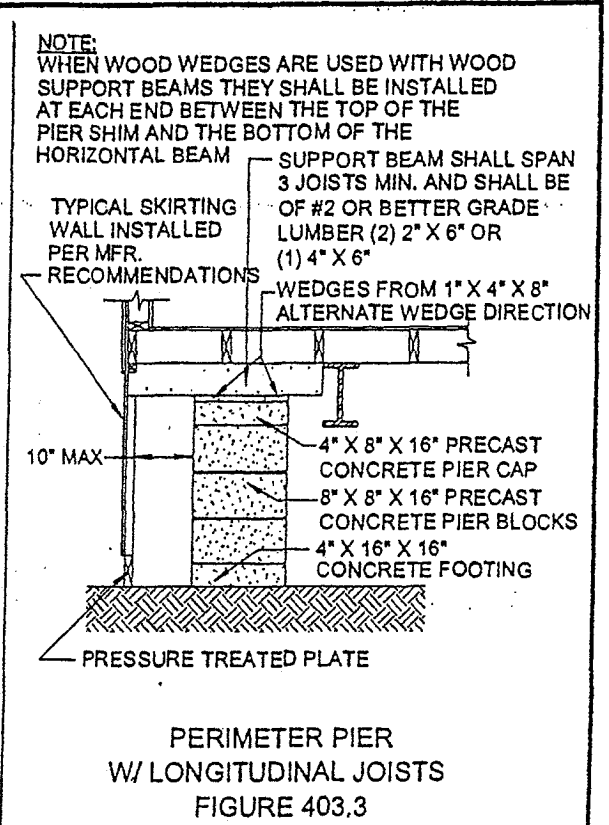
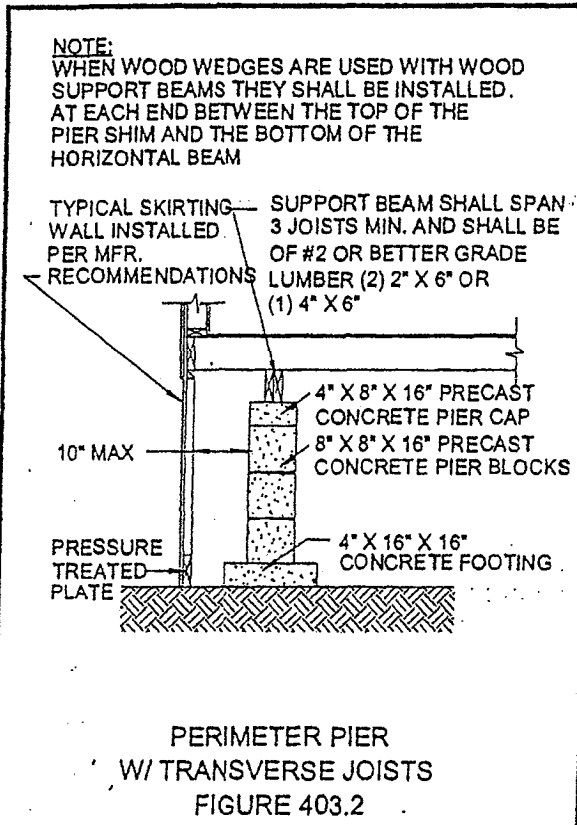
**306. EGRESS REQUIREMENTS.**

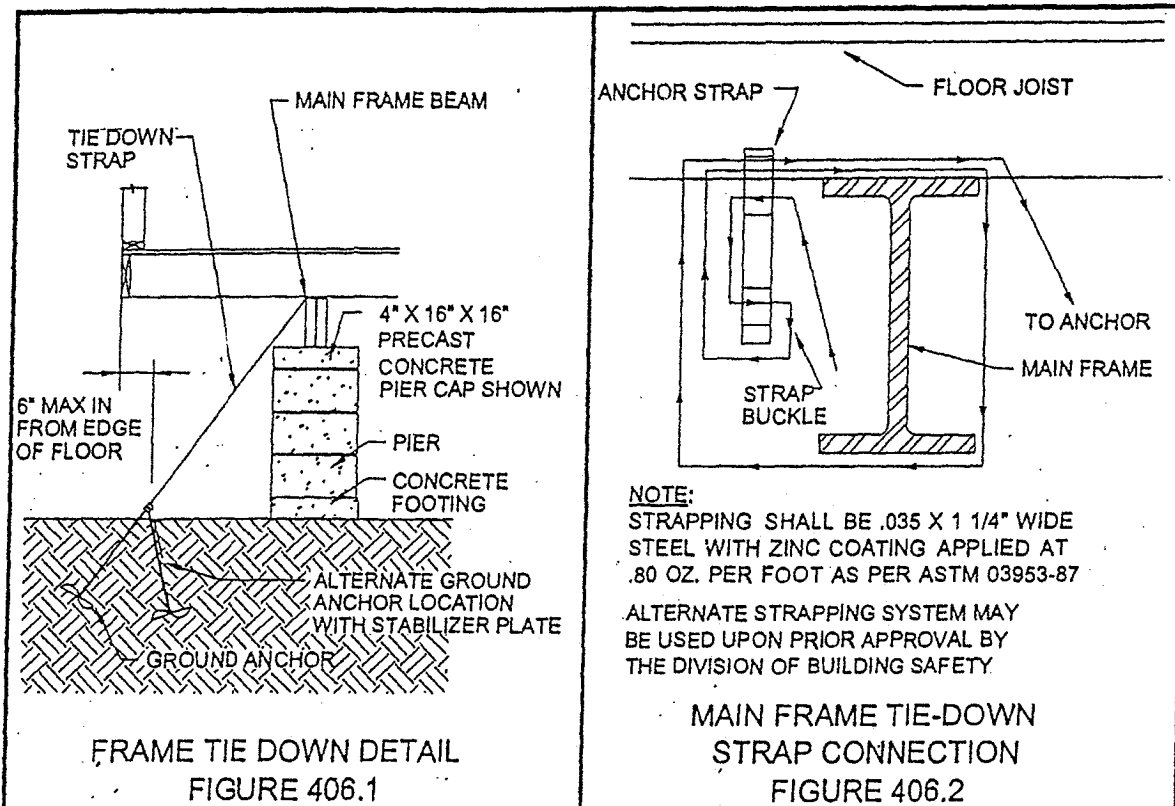
01. Egress. Upon completion of installation, and prior to occupancy, each manufactured home shall conform with the following requirements:

02. Inspection Approval. Installations shall not be approved until a means of access has



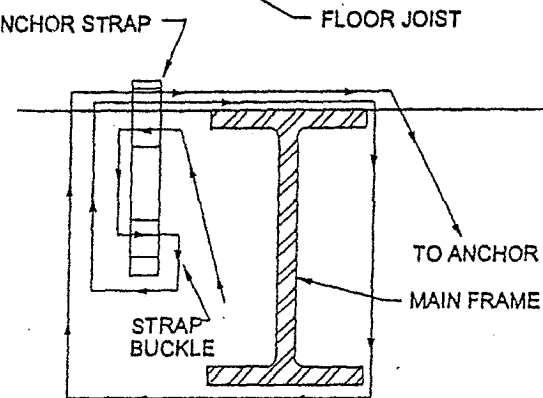






may be used, provided the anchoring equipment is capable of withstanding a fifty percent (50%) overload. Each type of anchor suitable for the purpose of this standard shall meet the following criteria.

- a. Each anchor shall be certified and listed as to its resistance against pulling based on the maximum angle of diagonal or vertical tie loading and the angle of anchor installation and the type of soil in which the anchor is to be installed.
- b. Anchors designed for the connection of multiple ties shall be certified and listed as being capable of resisting the combined working load and overload consistent with the intent expressed herein; and shall be installed to resist resultant forces.
- c. Each anchor shall be selected based on the soil class at the depth where the anchor will be installed.



**NOTE:**  
STRAPPING SHALL BE .035 X 1 1/4" WIDE STEEL WITH ZINC COATING APPLIED AT .80 OZ. PER FOOT AS PER ASTM 03953-87  
ALTERNATE STRAPPING SYSTEM MAY BE USED UPON PRIOR APPROVAL BY THE DIVISION OF BUILDING SAFETY.

MAIN FRAME TIE-DOWN  
STRAP CONNECTION  
FIGURE 406.2

d. Each anchor shall, at a minimum, be installed to the full depth shown in the anchor manufacturer's installation instructions. The retainer or stabilizer plates shall be installed to achieve the required ground anchor resistance capacity. See Figure 406.1.

e. The load carrying portion of the anchor shall extend below the frost line.

**03. Installation Instructions.** Anchor manufacturers shall provide manufacturer's installation instructions for all listed and approved anchoring systems sold in Idaho. Anchor manufacturer's installation instructions shall be consistent with the product listing and approval. One copy of the anchor manufacturer's instructions must be made available to the inspectors of the local authority having jurisdiction.

a. **Caution:** Before installing ground anchors, the site should be checked for

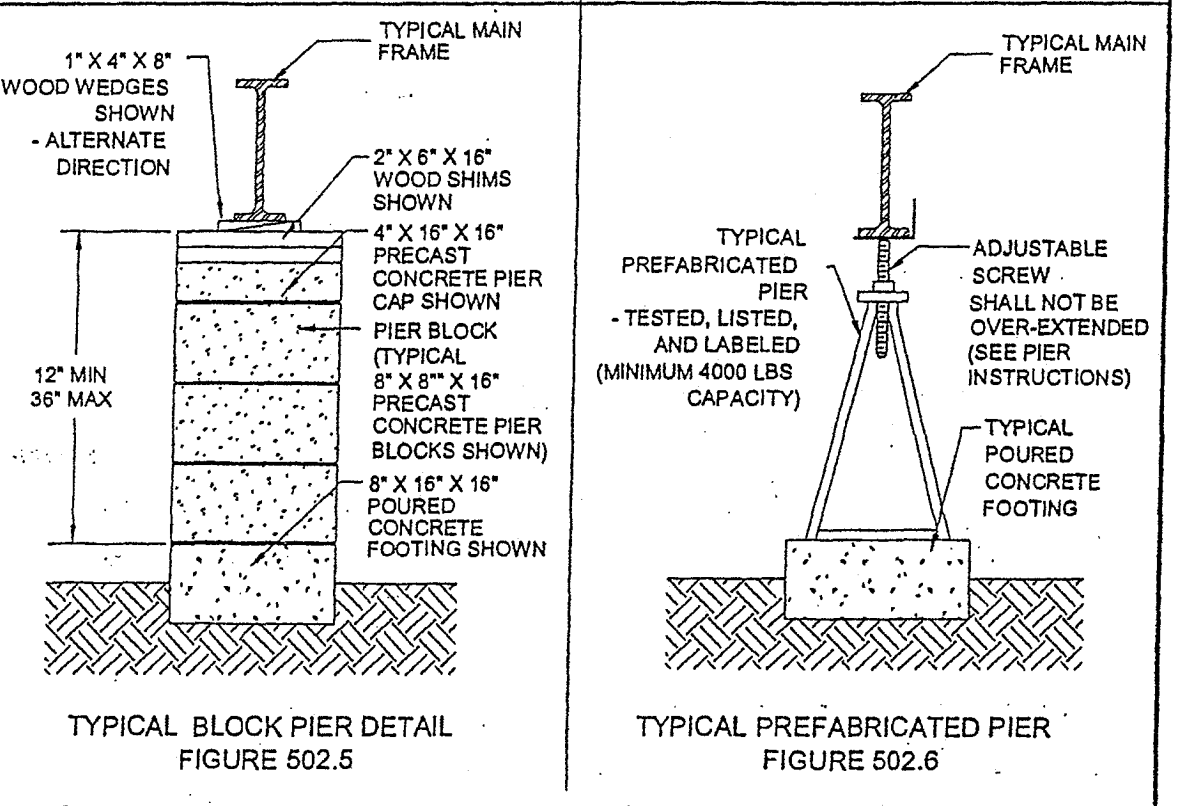
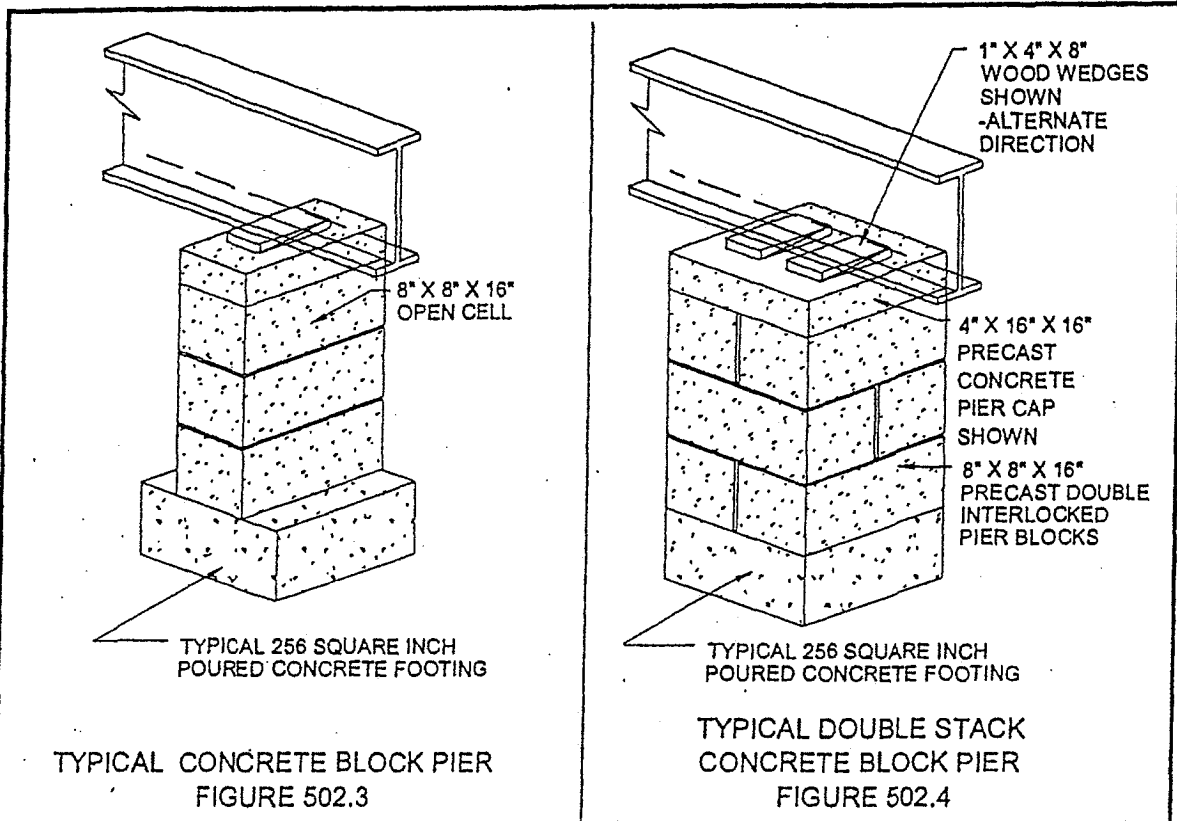


Table 500-A

Footing Size (Inches)	Capacity (Pounds)		Footing Size (Inches)	Capacity (Pounds)
15 x 15	2,500		29 x 29	8,500
17 x 17	3,000		30 x 30	9,000
18 x 18	3,500		31 x 31	10,000
20 x 20	4,000		32 x 32	11,000
21 x 21	4,500		34 x 34	12,000
22 x 22	5,000		35 x 35	13,000
23 x 23	5,500		37 x 37	14,000
24 x 24	6,000		38 x 38	15,000
25 x 25	6,500		39 x 39	16,000
26 x 26	7,000		40 x 40	17,000
27 x 27	7,500		42 x 42	18,000
28 x 28	8,000		43 x 43	19,000

The footing sizes shown are for square pads and are based on the area (square inches) required for the load. Other footing configurations, such as a rectangular configuration, may be used, provided the area (square inches) is equal to or greater than the area of the square footing shown in the table. For example, a 12-inch x 22-inch (264-square-inch) footing may be used in place of a 16-inch x 16-inch (256-square-inch) footing. Also, two 12-inch x 24-inch pads may be used in place of one 24-inch x 24-inch pad

60 psf) wherever there is a wall above the marriage line

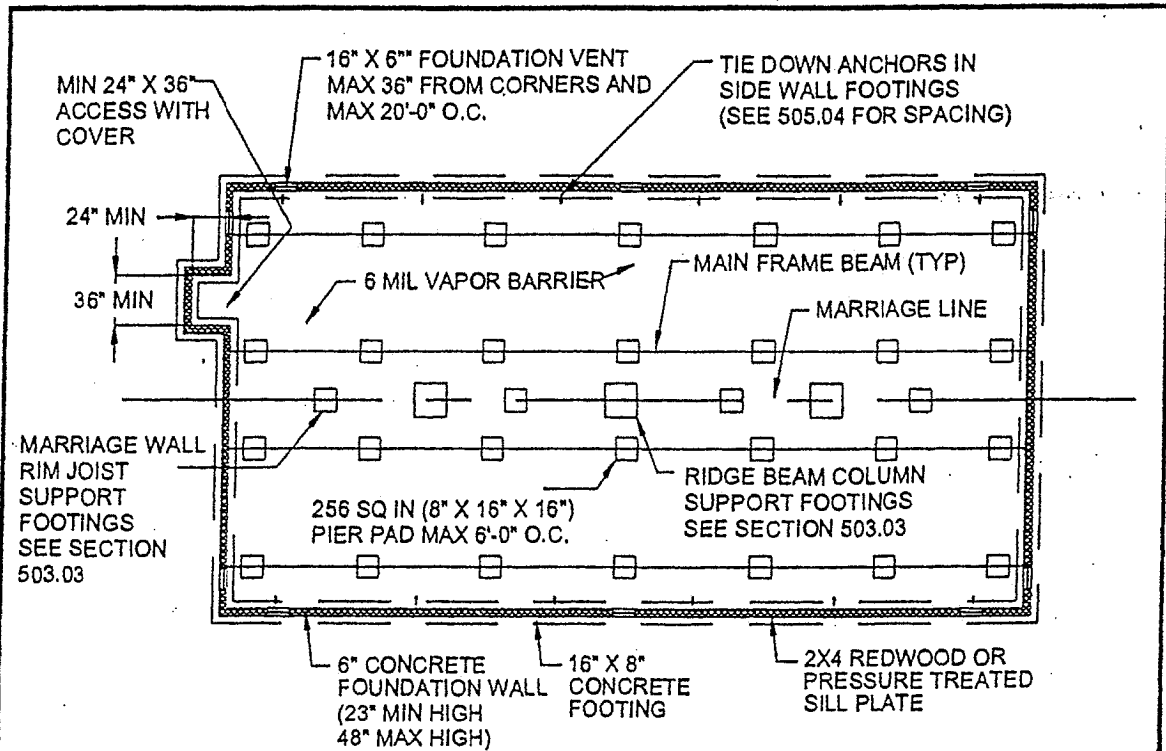
(c) Four feet (4') on center maximum for roof loads over sixty and up to eighty pounds per square foot (60 to 80 psf) wherever there is a wall above the marriage line

(d) Three feet (3') on center maximum for roof loads over eighty and up to one hundred pounds per square foot (80 to 100 psf) wherever there is a wall above the marriage line.

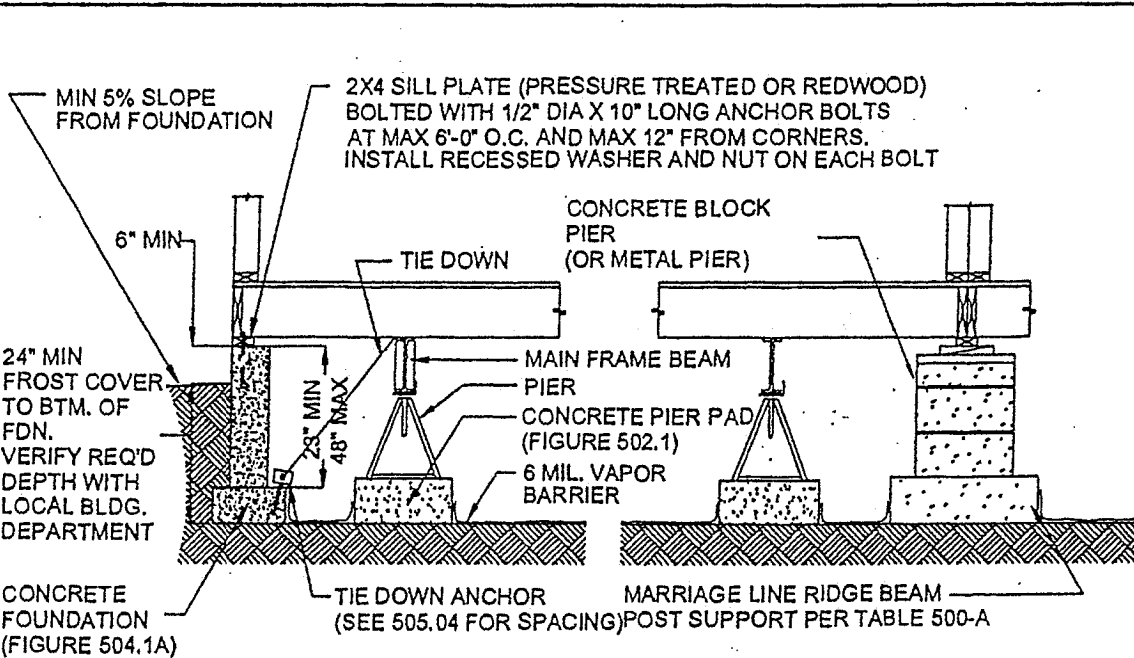
(e) Two feet (2') on center maximum for roof loads over one hundred pounds per square foot (100 psf) wherever there is a wall above the marriage line

(f) As an alternate support system to that specified in (d) and (e) above, a marriage line pony wall may be constructed of minimum two inch by six inch (2" x 6") nominal size studs, twenty-four inches (24") on center, with double top and single (treated) bottom plates to support the marriage

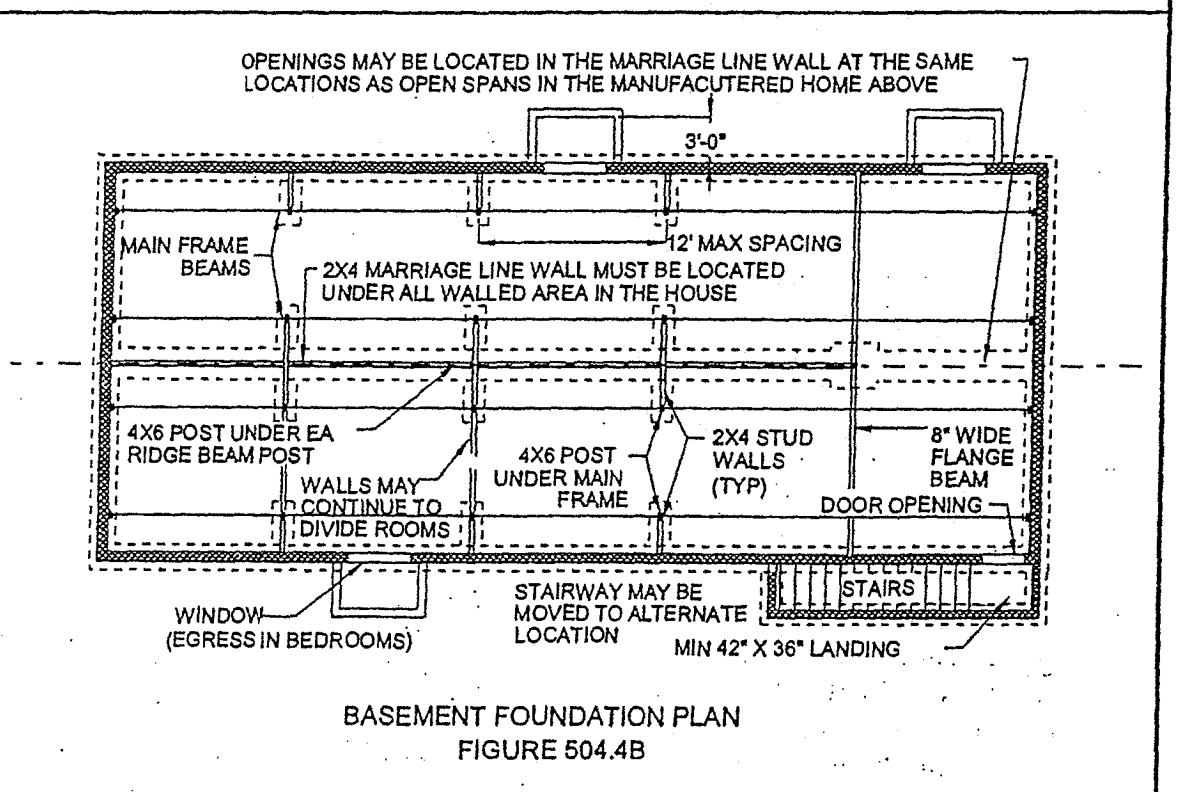
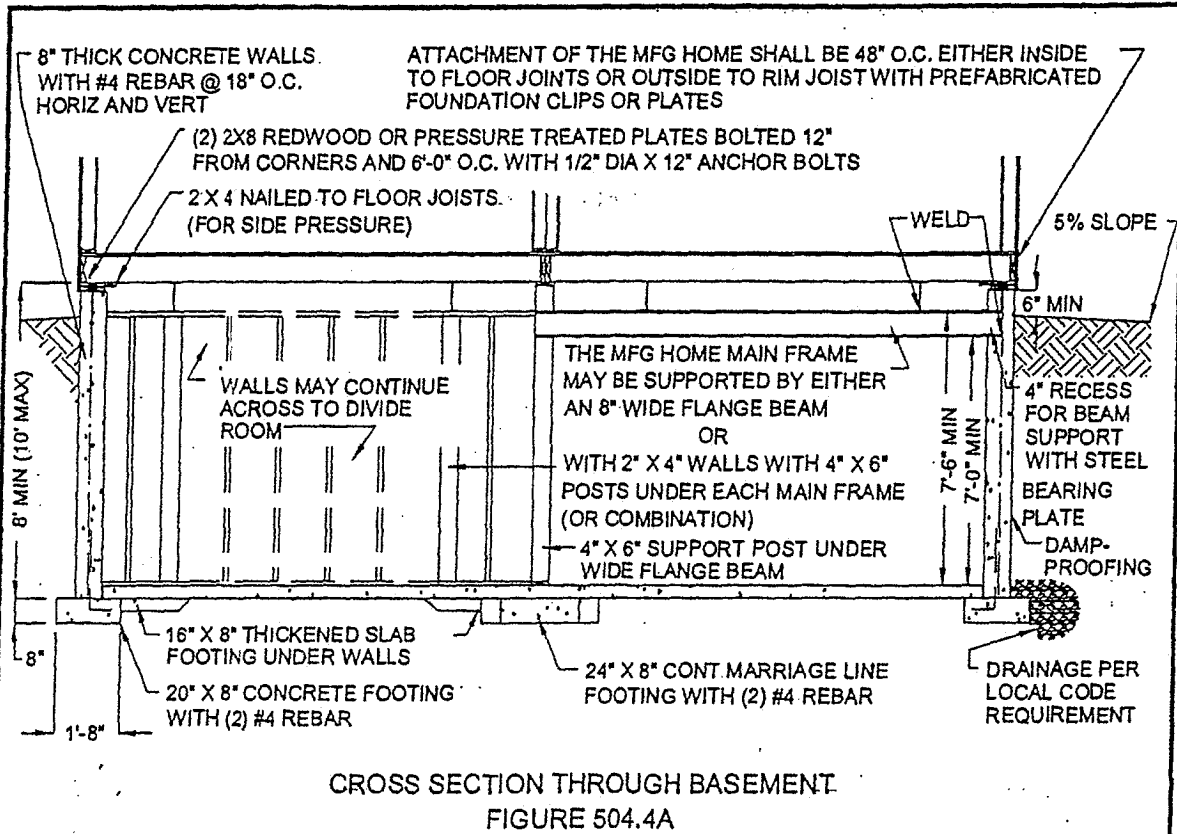


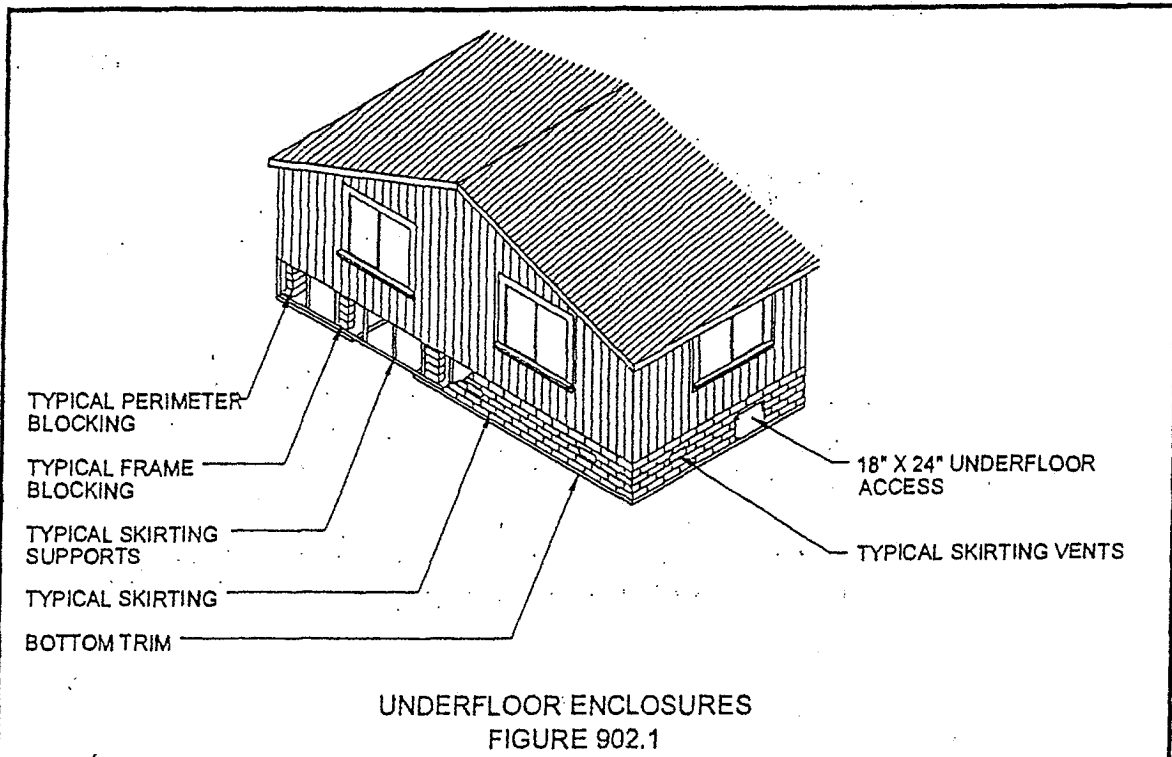


CONCRETE FOUNDATION PLAN  
FIGURE 504.2A

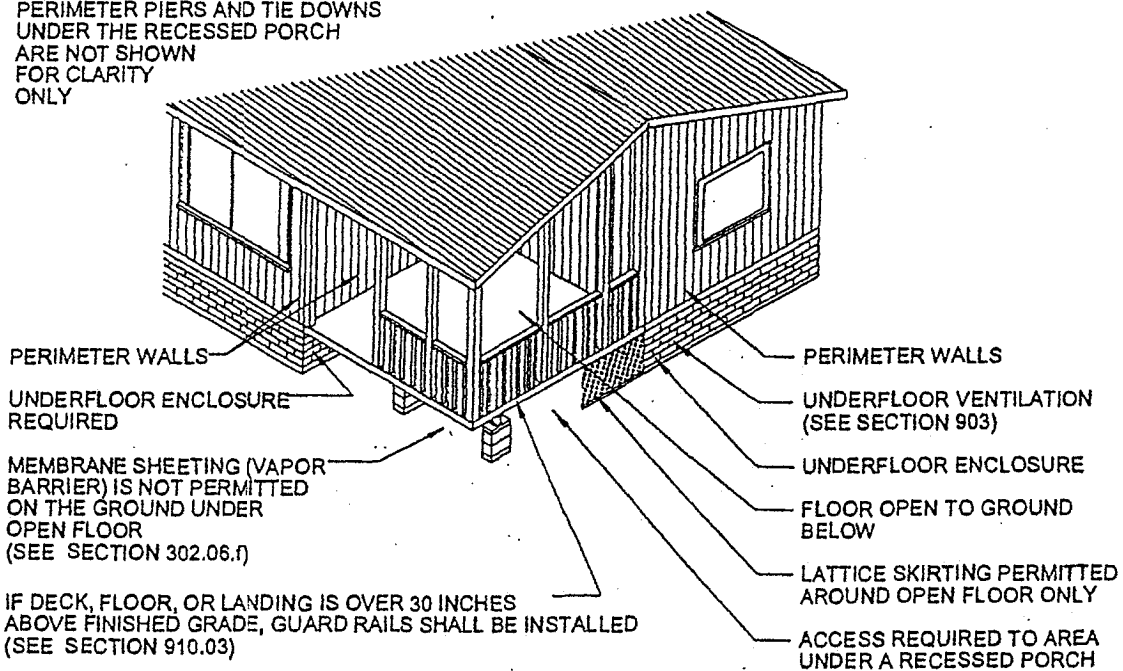


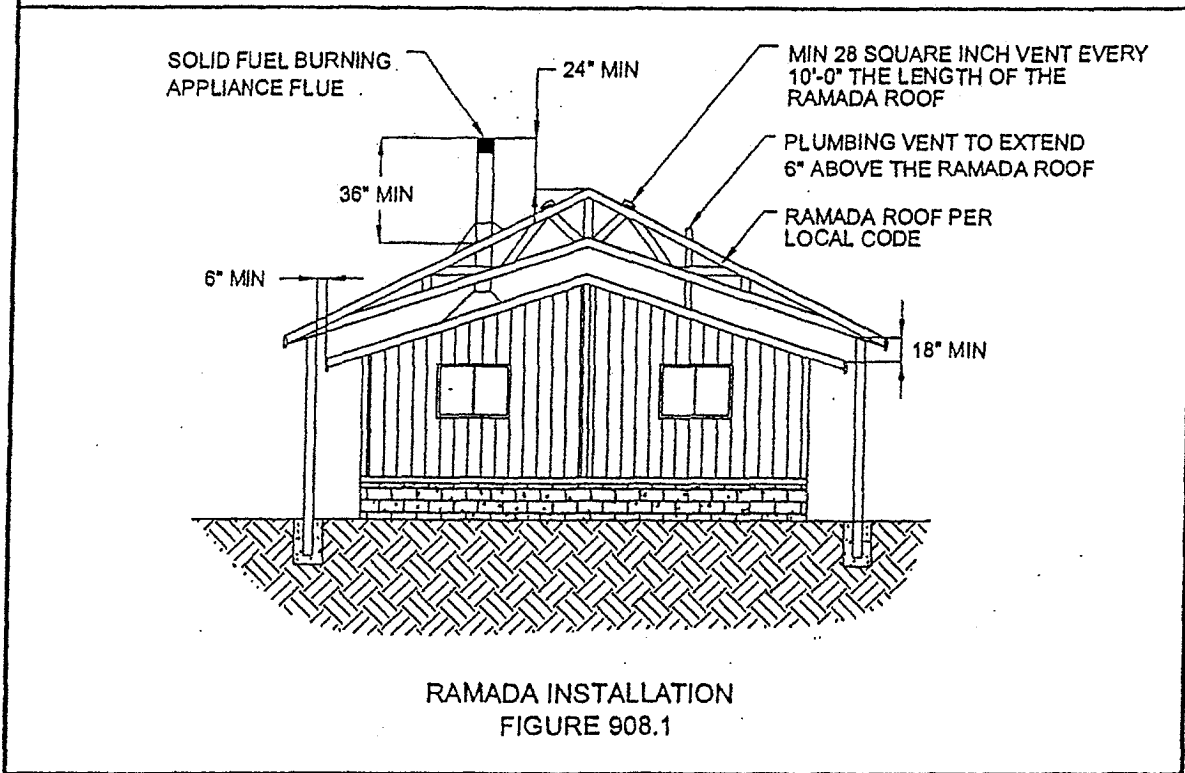
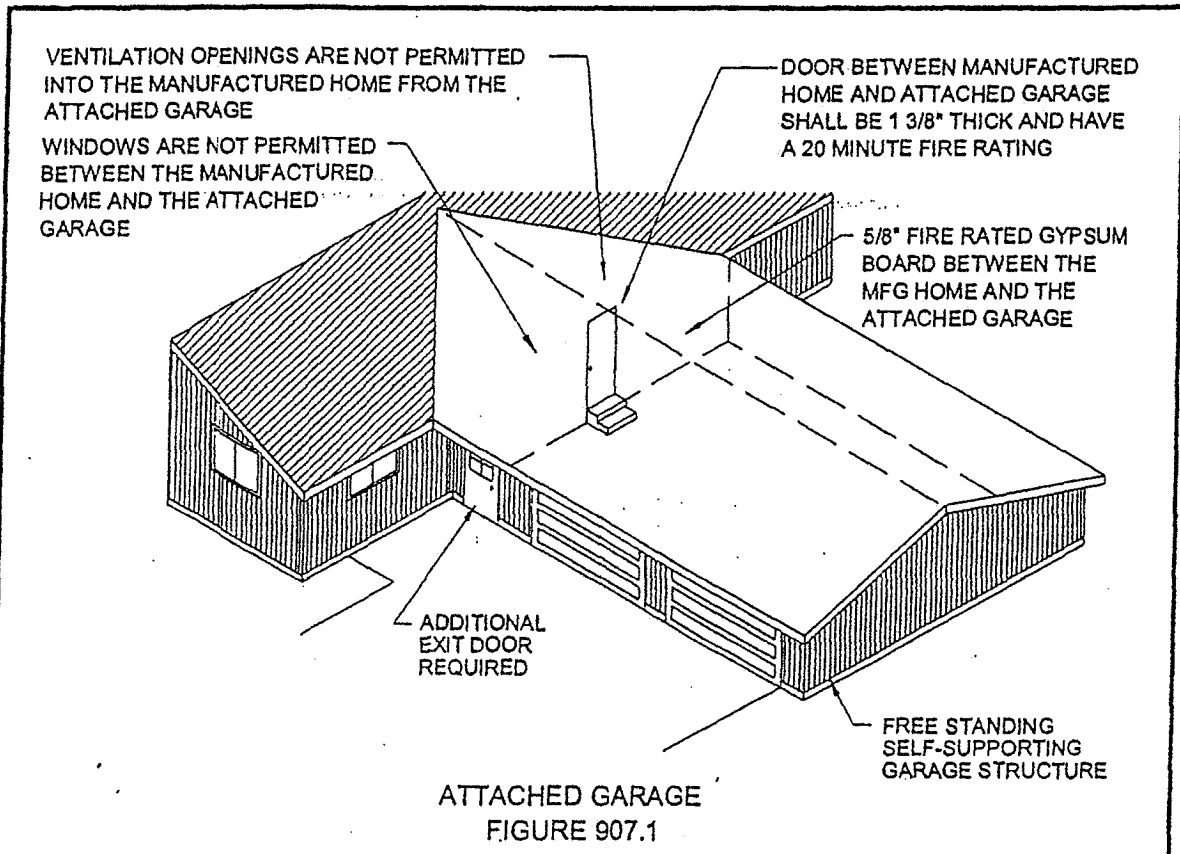
SECTION THROUGH CONCRETE FOUNDATION  
FIGURE 504.2B





**NOTE:**  
PERIMETER PIERS AND TIE DOWNS  
UNDER THE RECESSED PORCH  
ARE NOT SHOWN  
FOR CLARITY  
ONLY





**NOTE:**  
PROVIDE SECURE ATTACHMENT TO  
BUILDING TO PREVENT HORIZONTAL  
MOVEMENT

