

# **MANUFACTURED HOME SETUP GUIDELINES**



**This is meant to be used only as a guideline.  
Inspections should be called in one day in advance by  
3:00 p.m.**

**Please note:**

**For information on site preparation, support structures including footings and piers, anchoring systems, moisture barriers, HVAC connections, plumbing, etc. please contact:**

**State of Tennessee  
Department of Commerce and Insurance  
State Fire Marshall's Office  
Codes Enforcement Section  
Phone: 615/741-7192 or 7193 / Fax: 615/741-1583**

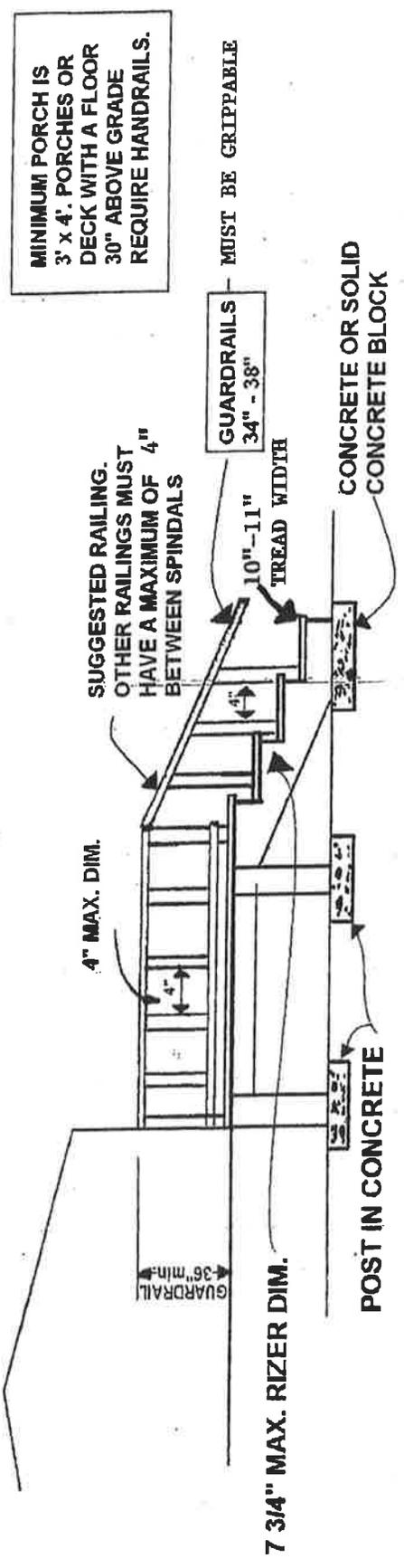
## **INSPECTIONS REQUIRED -**

1. **\*\*FOUNDATION ENCLOSURE, DECKS, PORCHES, STEPS AND HANDRAILS & UNDERPINNING \*\*.**
2. **\*\*IF THERE IS FLOOD AREA LOCATED WITHIN THE PROPERTY BOUNDARIES, AN INSPECTION IS REQUIRED BEFORE THE FOUNDATION IS ENCLOSED TO VERIFY THE PROPER SECURING OF THE MANUFACTURED HOME.\*\***
3. **\*\*ELECTRICAL HOOKUP\*\*.** (this work must be permitted and done by a Hamilton County licensed electrical contractor)
  - a) PERMIT DECAL – Obtained through the Hamilton County Clerk (209-6500) by the licensed installer.

A permit decal shall be placed on each new and used manufactured home that is installed after January 1, 2004. The decal shall be affixed inside the electrical panel box cover. The installer shall write the address where the home is located on the permit. The State or local electrical inspector shall not authorize electricity to be turned on at the home if no installation decal is on the home when the electrical installation is done. TCA 68-126-406(g)

- \*\* SEPTIC SYSTEM OR SEWER HOOKUP MUST BE COMPLETE AND APPROVED PRIOR TO FINAL INSPECTIONS.**

**THE ABOVE INSPECTIONS MUST BE COMPLETED PRIOR TO POWER BEING TURNED ON.**



Hand Rail required for  
4 Risers or more

**\*THIS IS THE MINIMUM REQUIREMENT FOR EVERY DOOR OPENING**

**BEAM SIZE & ASSEMBLY REQUIREMENTS**

Deck beam spans shall be in accordance with Table 3 and can extend past the post centerline up to  $L_B/4$  as shown in Figure 3. Joists may bear on the beam and extend past the beam centerline up to  $L_J/4$  as shown in Figures 1A and 2, or the joists may attach to the side of the beam with joist hangers as shown in Figure 1B.

Joists shall not frame in from opposite sides of the same beam. See JOIST-TO-BEAM CONNECTION details, Figure 6.

Where multiple 2x members are used, the deck's beam is assembled by attaching the members identified in Table 3 in accordance with Figure 4. [Table R602.3(1)]

**Table 3. Deck Beam Spans ( $L_B$ )<sup>1</sup> for Joists Framing from One Side Only**

Species	Size <sup>4</sup>	Joist Spans ( $L_J$ ) Less Than or Equal to:						
		6'	8'	10'	12'	14'	16'	18'
Southern Pine	2-2x6	7' - 1"	6' - 2"	5' - 6"	5' - 0"	4' - 8"	4' - 4"	4' - 1"
	2-2x8	9' - 2"	7' - 11"	7' - 1"	6' - 6"	6' - 0"	5' - 7"	5' - 3"
	2-2x10	11' - 10"	10' - 3"	9' - 2"	8' - 5"	7' - 9"	7' - 3"	6' - 10"
	2-2x12	13' - 11"	12' - 0"	10' - 9"	9' - 10"	9' - 1"	8' - 6"	8' - 0"
	3-2x6	8' - 7"	7' - 8"	6' - 11"	6' - 3"	5' - 10"	5' - 5"	5' - 2"
	3-2x8	11' - 4"	9' - 11"	8' - 11"	8' - 1"	7' - 6"	7' - 0"	6' - 7"
	3-2x10	14' - 5"	12' - 10"	11' - 6"	10' - 6"	9' - 9"	9' - 1"	8' - 7"
3-2x12	17' - 5"	15' - 1"	13' - 6"	12' - 4"	11' - 5"	10' - 8"	10' - 1"	
Douglas Fir, Larch <sup>2</sup> , Hem-Fir <sup>2</sup> , SPF <sup>2</sup> , Redwood, Western Cedars, Ponderosa Pine <sup>3</sup> , Red Pine <sup>3</sup>	3x6 or 2-2x6	5' - 5"	4' - 8"	4' - 2"	3' - 10"	3' - 6"	3' - 1"	2' - 9"
	3x8 or 2-2x8	6' - 10"	5' - 11"	5' - 4"	4' - 10"	4' - 6"	4' - 1"	3' - 8"
	3x10 or 2-2x10	8' - 4"	7' - 3"	6' - 6"	5' - 11"	5' - 6"	5' - 1"	4' - 8"
	3x12 or 2-2x12	9' - 8"	8' - 5"	7' - 6"	6' - 10"	6' - 4"	5' - 11"	5' - 7"
	4x6	6' - 5"	5' - 6"	4' - 11"	4' - 6"	4' - 2"	3' - 11"	3' - 8"
	4x8	8' - 5"	7' - 3"	6' - 6"	5' - 11"	5' - 6"	5' - 2"	4' - 10"
	4x10	9' - 11"	8' - 7"	7' - 8"	7' - 0"	6' - 6"	6' - 1"	5' - 8"
	4x12	11' - 5"	9' - 11"	8' - 10"	8' - 1"	7' - 6"	7' - 0"	6' - 7"
	3-2x6	7' - 4"	6' - 8"	6' - 0"	5' - 6"	5' - 1"	4' - 9"	4' - 6"
	3-2x8	9' - 8"	8' - 6"	7' - 7"	6' - 11"	6' - 5"	6' - 0"	5' - 8"
3-2x10	12' - 0"	10' - 5"	9' - 4"	8' - 6"	7' - 10"	7' - 4"	6' - 11"	
3-2x12	13' - 11"	12' - 1"	10' - 9"	9' - 10"	9' - 1"	8' - 6"	8' - 1"	

1. Assumes 40 psf live load, 10 psf dead load, L/360 simple span beam deflection limit, L/180 cantilever deflection limit, No. 2 grade, and wet service conditions.
2. Incising assumed for refractory species including Douglas fir-larch, hem-fir, and spruce-pine-fir.
3. Design values based on northern species with no incising assumed.
4. Beam depth must be equal to or greater than joist depth if joist hangers are used (see Figure 6, Option 3).

**Figure 3: Beam Span Types**

