

## **\*CODE FOR DECKS\***

If the deck is attached to a building, or if detached but serves as an exit, the post holes (footings) must be 48 below finished grade. These holes must be inspected before being filled.

Floor joists within 18" of the earth and girders within 12" of the earth must be pressure treated.

Any stringers or joists of 8' in length shall be supported on joist hangers.

**STAIRS:** Stair width must be at least 36".

Risers shall not exceed 8" in height, measured vertically from tread to tread.

Treads shall be at least 9" wide, measured horizontally from nosing to nosing.

There shall be no variation in uniformity exceeding 3/8" in the width of the tread or in the height of riser.

**HANDRAILS:** Every stairs of more than 3 risers shall be provided with at least one handrail.

Handrails shall be provided on all open sides of stairways.

Handrails shall be located at least 30" but not more than 36" above the posting.

Width of handrails shall not be more than 2 and 7/8 inches.

**GUARDRAILS:** Decks that are more than 24" above grade shall be protected by guardrails.

Guardrails shall be at least 36" above the upper surface of the floor.

Open guardrails or handrails shall be provided with intermediate rails or all ornamental pattern with opening no larger than 4".

Handrails and guardrails shall be designed and constructed to withstand a 200 lb. load applied in any direction.

Handrails and guardrails shall be decay resistant or pressure treated wood.

All other provisions of the appropriate codes shall be adhered to.

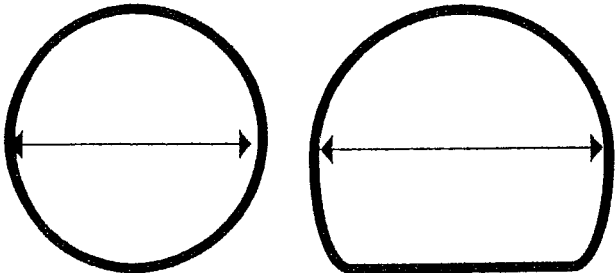
Subdivision regulations and deed restrictions, if any, must be adhered to along with the appropriate zoning restrictions for the district.

In some locations, a zoning permit may be required before a building permit can be issued.

**A FINAL INSPECTION IS REQUIRED UPON COMPLETION.**

# 21.04(2)(a)5. HANDRAIL SHAPES

## ROUND



← **MAXIMUM 2** →  
**DIAMETER**

## RECTANGULAR

OK (w x ht):  
1/2 x 2-5/8  
3/4 x 2-1/2  
1 x 2-3/8  
1-1/8 x 2-5/16  
1-1/2 x 2-1/8  
1-7/8 x 1-15/16

← →

OK (w x ht):  
2 x 1-7/8  
2-1/2 x 1-5/8  
2-3/4 x 1-1/2  
2-7/8 x 1/2 TO 1-7/16

← →

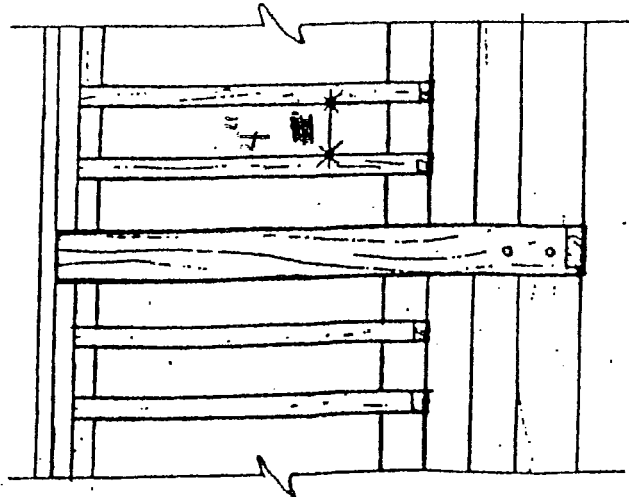
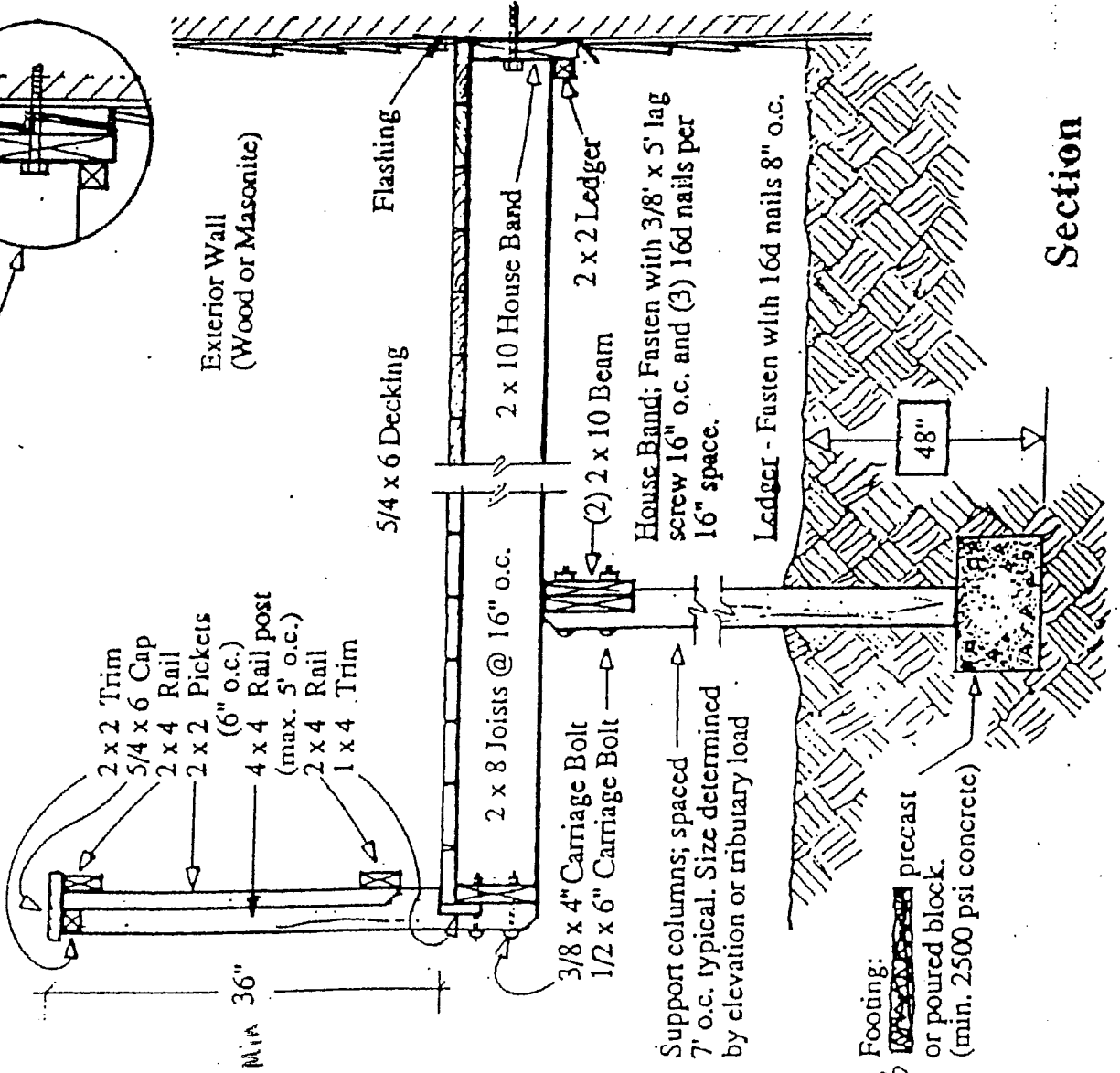
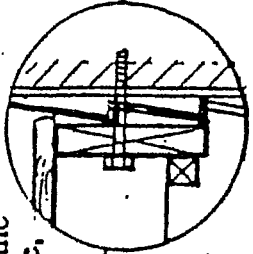
**← MAXIMUM 2-7/8 →**  
**CROSS SECTION**  
**MAX. 6-1/4**  
**GRIPPING**  
**SURFACE INCL.**  
**MIN. 1/4**  
**RECESS ON**  
**EACH SIDE**

## OTHERS

A collection of seven diagrams of handrail shapes. From left to right: a T-shaped profile with a horizontal arrow; an oval with a horizontal arrow; a rounded rectangle with a horizontal arrow; a pentagonal shape with a horizontal arrow; a rounded rectangle with a horizontal arrow; a thick oval with a horizontal arrow; and a complex profile with a horizontal arrow. Below these diagrams is a large text box with a double-headed arrow and the text: "← MAXIMUM 2-7/8 → CROSS SECTION", "4 TO 6-1/4 GRIPPING SURFACE, INCLUDING A MIN. 1/4 RECESS ON EACH SIDE".

← **MAXIMUM 2-7/8** →  
**CROSS SECTION**  
**4 TO 6-1/4 GRIPPING**  
**SURFACE, INCLUDING A**  
**MIN. 1/4 RECESS ON**  
**EACH SIDE**

Note: With vinyl or aluminum siding, the band may be bolted directly to the house. Without flashing or removal of siding.



Elevation

Section

Note: See plan for specific details or special loading conditions.

MINIMUM  
4" THICK x 8'φ  
precast  
or poured block.  
(min. 2500 psi concrete)

Support columns; spaced 7' o.c. typical. Size determined by elevation or tributary load