



City of Pembroke Pines

GUIDELINES FOR DESIGN OF FENCES

(From the Florida Building Code 2017 Sixth Edition, as interpreted by the Chief Building Official, City of Pembroke Pines)

Minimum fence requirements shall be as follows, as excerpted from the 2017 Sixth Edition of the Florida Building Code:

2328 HIGH VELOCITY HURRICANE ZONES - WOOD FENCES

Note: Cypress may be used for fence cladding and not embedded in the ground.

1616.2.2 Wood fences shall be designed according to the loads as specified in Section 2328 of the Code.

EXCEPTION: Unless designed by rational analysis, wood fences not exceeding 6'0" in height may be constructed to meet the following minimum requirements:

- (1) Vertical post of nominal 4" x 4" x 8' spaced a maximum of 4'0" O/C.
- (2) Post shall be embedded 2'0" into a concrete footing 10" in diameter and 2'0" deep.
- (3) Horizontal framing shall consist of a minimum of 3 horizontal rails of a nominal 2" x 4" material and shall be fastened according to Chapter 23, Section 2324 of the Code.
- (4) All lumber shall be a minimum of #2 grade or better.
- (5) All fasteners shall be corrosion resistant.

2224 HIGH VELOCITY HURRICANE ZONES - CHAIN LINK FENCES

2224.2 Chain link fences in excess of 12 feet in height shall be designed according to the loads as specified in Chapter 16 (High Velocity Hurricane Zones)

Chain link fences less than 12 feet in height shall be designed according to the loads as specified in Chapter 16 (High Velocity Hurricane Zones) or may be constructed to meet the minimum requirements specified in Table

2224.

Table 2224**Chain Link Fence Minimum Requirements**

Fence Height	Terminal Post Dimensions (o.d. x wall thickness)	Line Post Dimensions (o.d. x wall thickness)	Terminal Post Concrete Foundation Size (Diameter x Depth)	Line Post Concrete Foundation Size (Diameter x Depth)
Up to 4'	2-3/8" x .042"	1-5/8" x .047"	10" x 24"	8" x 24"
Over 4' to 5'	2-3/8" x .042"	1-7/8" x .055"	10" x 24"	8" x 24"
Over 5' to 6'	2-3/8" x .042"	1-7/8" x .065"	10" x 24"	8" x 24"
Over 6' to 8'	2-3/8" x .110"	2-3/8" x .095"	10" x 36"	10" x 36"
Over 8' to 10'	2-7/8" x .110"	2-3/8" x .130"	12" x 40"	10" x 40"
Over 10' to 12'	2-7/8" x .160"	2-7/8" x .120"	12" x 42"	12" x 42"

For SI: 1 inch = 25.4 mm.

NOTES:

1. This Table is only applicable to fences with unrestricted air flow.
2. Fabric - 12-1/2 Gauge minimum.
3. Tension Bands - Use one less than the height of the fence in feet, evenly spaced.
4. Fabric Ties - Must be the same gauge as the gauge of the fabric, minimum.
5. Fabric Tie Spacing on the Top Rail - Five ties between posts, evenly spaced.
6. Fabric Tie Spacing on Line Posts - One less than the height of the fence in feet, evenly spaced.
7. Either Top Rail or Top Tension Wire shall be used.
8. Braces must be used at Terminal Posts if top tension wire is used instead of Top Rail.
9. Post Spacing - 10' on center maximum
10. Posts shall embed to within 6" of the bottom of the foundation.
11. In order to follow the contour of the land, the bottom of the fence may clear the contour of the ground by up to 6" without increasing Table values to the next higher limit.

GENERAL:

1. All other fences (other than wood and chain link fences as described above) shall be designed to withstand 75 mph winds. Applicants proposing to construct other types of fences shall submit Metro-Dade Product Approval or other literature as prescribed by the Florida Building Code, 2017 Edition.
2. Pembroke Pines Zoning restricts height of fences to 6' in most residential areas.
3. Some PUD zoning may prohibit certain types of fences (including wood and/or chain link) and may have specific requirements for fences not specified here.

Florida Building Code

Wood Fences

Fences. Fences not exceeding 6'-0" in height from grade may be designed for 75 mph (33 m/s) fastest mile wind speed or 90 mph (40 m/s) 3-second gust.

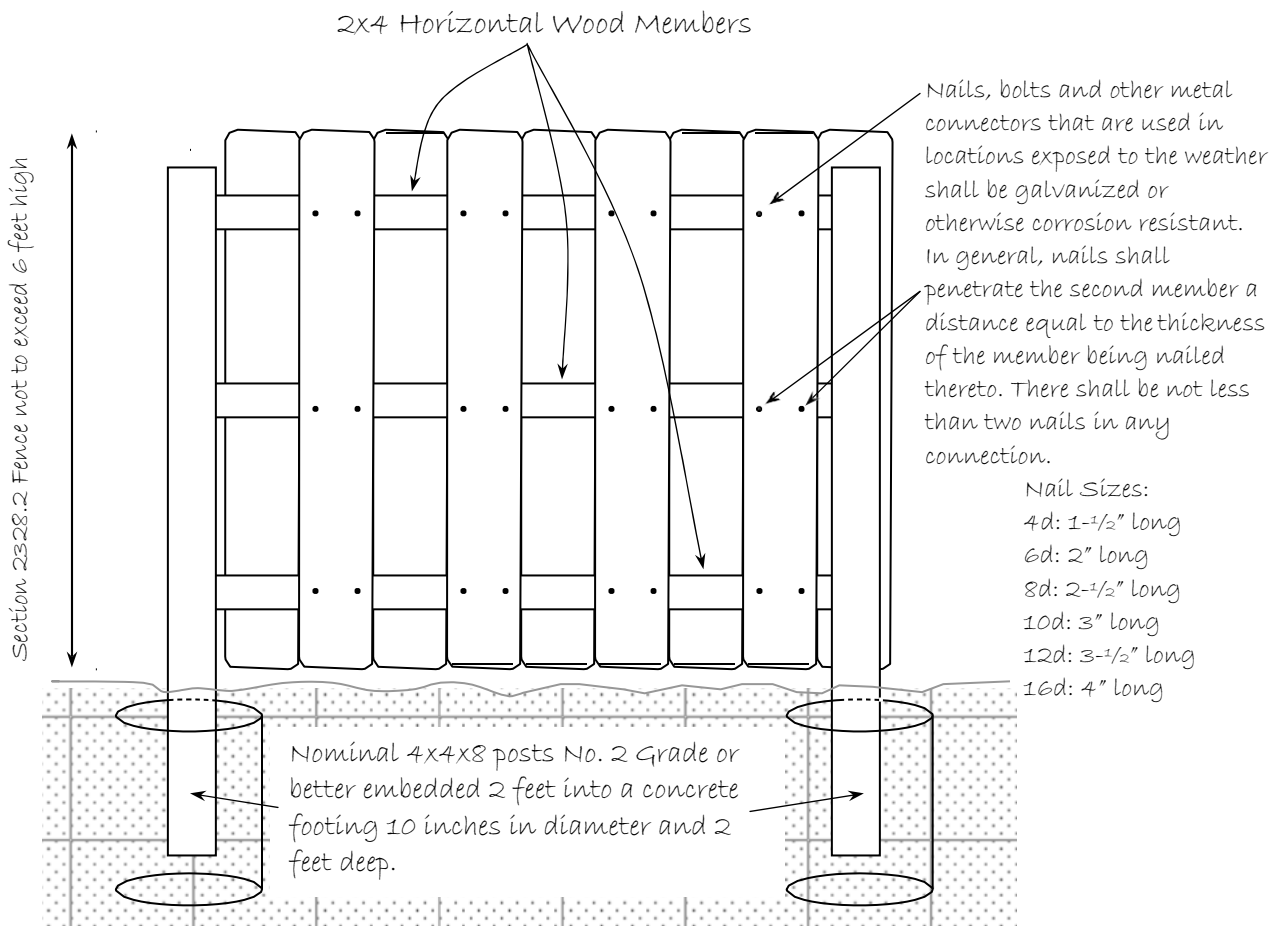
Wood fences. Wood fence design shall be as specified by the Code.

4"x4" Post Spacing

← Fences ≤ 6 ft. high - 4 ft. On Center →

← Fences ≤ 5 ft. high - 5 ft. On Center →

← Fences ≤ 4 ft. high - 6 ft. On Center →



All posts, poles and columns embedded in concrete which is in contact with ground and supporting permanent