

FENCE / BARRICADE DESIGN CRITERIA INTERPRETATION

Effective: 10/01/2025

I. General Fence/Barricade Requirements

1. Fences/barricades 4 feet high or less will not require a permit. [*EPCOT Building Code (EBC) 105.2*]
2. A site plan shall be submitted showing the extents of the fence/barricade and all opening locations with dimensions. [*EBC 107.2.6*]
3. Signed and sealed drawings and calculations shall be submitted for any exterior fence/barricade design unless a "District Approved Design" is being used. Calculations for any doors or gates that exceed 4'-0" in width shall be included in the calculation package for review. [*EBC 107.3.5*]
4. Calculations will not be required for any bare, chain-link fence design unless the design appears insufficient to support the loads imposed.

II. Exterior Permanent Fence

1. A permanent fence with a maximum height of 10'-0" tall shall be permitted to be designed as a Risk Category I.
Exception: This interpretation shall not apply where the failure of the fence will impact a larger life safety need, such as blocking egress or a fire lane.
2. A permanent fence that exceeds 10'-0" tall shall be designed as a Risk Category II, unless it's demonstrated that the fence is in a location such that it represents a low hazard to human life in the event of failure or does not impact a larger life safety need.
3. No further wind reductions will be considered for a permanent fence.

III. Exterior Construction Fence/Barricade

1. Construction fence/barricade with a maximum height of 8'-0" shall be designed for an ultimate wind speed of 103 mph. Heights that exceed 8'-0" shall be designed to the wind load requirements per *EBC 1609.3*. Installation periods that exceed one year shall be subject to annual inspections to verify that the approved layout/structure has not been modified and that the structure is still in working condition. The installation period shall not extend beyond the construction period of the project.

Per the Building Official, it shall be permitted to design ballasted, scrimmed chain link barrier systems for an ultimate wind speed of 78 mph pending the following is met:

1. Reduced wind speed shall apply to the fully scrimmed surface area.
2. Submission of high wind action plan clearly outlining how the weather will be monitored.
3. Removal of scrim when winds are forecasted to exceed 60 mph.

IV. Exterior Temporary Non-Construction Fence/Barricade

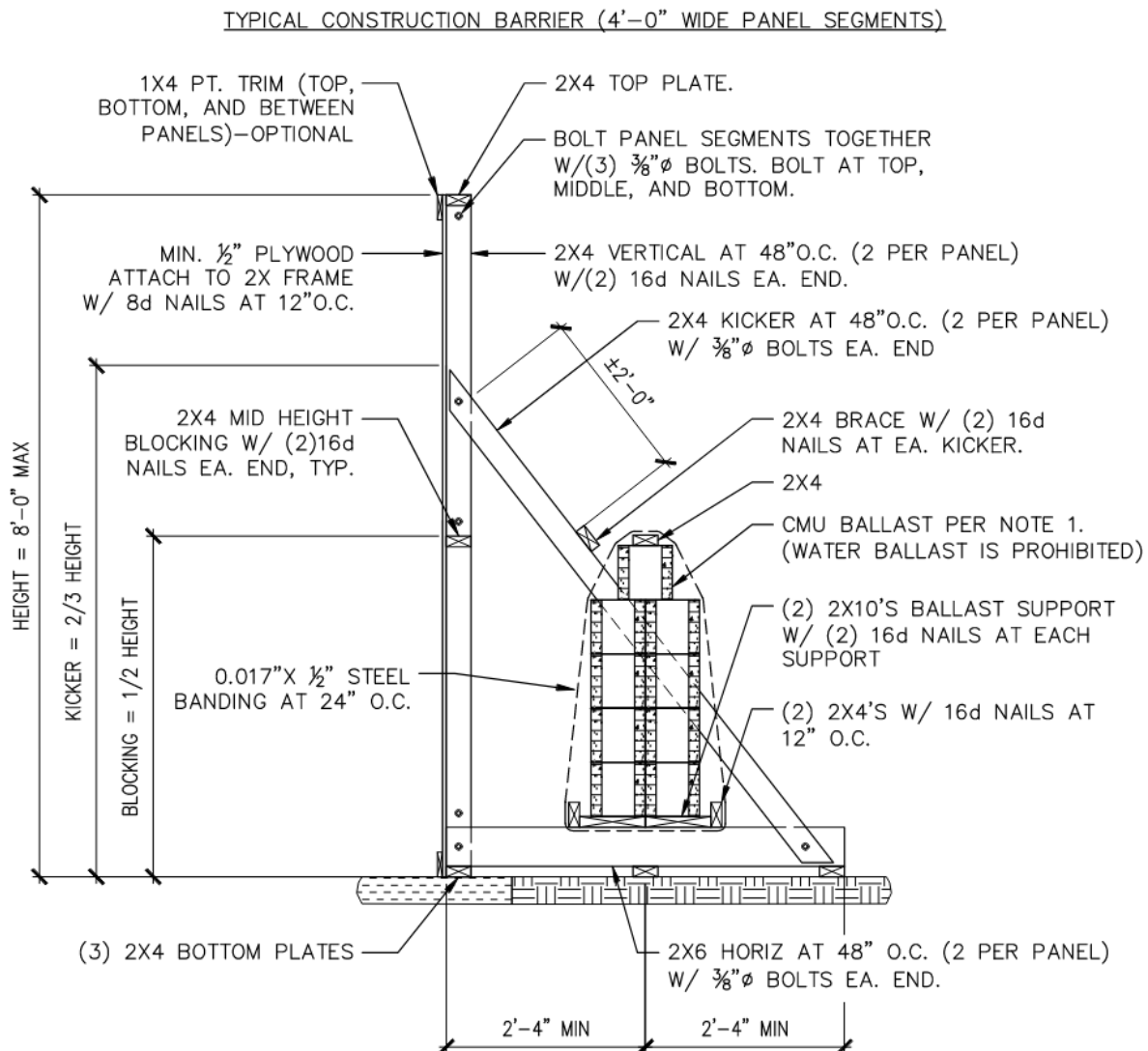
1. A fence/barricade installed for less than 180 days shall be considered temporary and shall be designed for a minimum wind speed of 94 mph ultimate. A high wind action plan shall be submitted with the construction documents. The high wind action plan shall clearly indicate how the weather will be monitored and what actions will be taken when winds are forecasted to exceed 60 mph to reduce the effects of wind on the structure.

V. Interior Construction Barricade

- Interior construction barricades that exceed 6'-0" in height shall have adequate strength and stiffness to resist the loads to which they are subjected but not less than a horizontal load of 5 psf. [EBC 1607.15]

VI. District Approved Design:

- Wood framed construction barricade with CMU ballast:

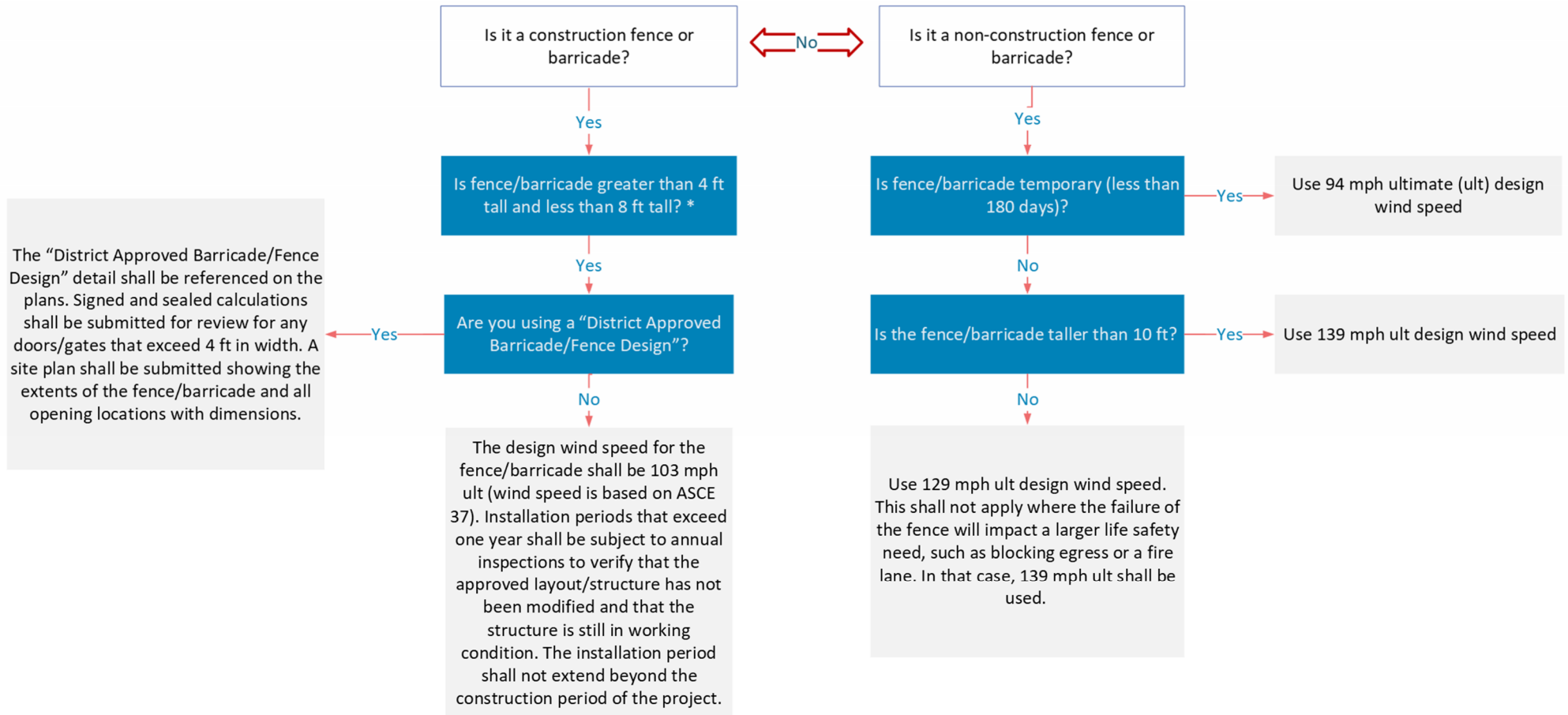


NOTES:

- PROVIDE (27) CMU BLOCKS OR 945 LB FOR BARRIERS 6'-1" TO 8'-0" TALL. PROVIDE (18) CMU BLOCKS OR 630 LB FOR BARRIERS 4'-1" TO 6'-0" TALL.
- ALL $\frac{3}{8}$ " Ø BOLTS SHALL BE SAE GRADE 5 OR BETTER CARRIAGE BOLTS WITH STANDARD WASHERS AND HEX HEAD NUTS. WING NUTS SHALL NOT BE USED.
- DESIGN WIND SPEED = 103 MPH (ULTIMATE) / 80 MPH (SERVICE).

Fence/Barricade Flow Chart

Any fence/barricade 4 feet high or less does not require a permit, per EPCOT Building Code 105.2.



* Construction fence/barricades greater than 10'-0" tall are required to use 139 mph ult design wind speed. Unless it's demonstrated that the fence represents a low hazard to human life in the event of failure or does not impact a larger life safety need.

Note: Any fence/barricade within or adjacent to a fire lane will require approval from the Fire Marshall.