

SWIMMING POOL REQUIREMENTS

Section 421 of the State of Connecticut Building Code CGS PA – 140

Every person owning land on which there is situated a swimming pool, which contains twenty-four (24) inches or more of water in depth at any point, shall erect and maintain thereon a 4'0" enclosure with a self closing, self latching gate surrounding the property or pool area, sufficient to make such body of water inaccessible to small children. In addition to the required enclosure, a pool alarm is required by public act 99-140 that states when a person or object of 15 lbs. enters the water the pool alarm must emit a sound of at least 50 decibels.

The laws and building regulations of the State of Connecticut and the City of Norwalk shall at all times have precedence over drawings and specifications. Anything contrary to said laws and regulations that may at any time appear in drawings and specifications, or in the work as executed, shall be corrected without delay upon the receipt of due notice from the Building Inspector. The granting of a permit for the proposed work shall not be assumed or construed any right or permission to do anything contrary to the laws and regulations of the aforesaid, under any circumstances.

Guidelines for Residential Swimming Pools, Spas, and Hot Tubs

(The following is an excerpt from the Appendix G of the current State Building Code)

AG105.1 Application. The provisions of this chapter shall control the design of barriers for residential swimming pools, spas and hot tubs. These design controls are intended to provide protection against potential drownings and near-drownings by restricting access to swimming pools, spas and hot tubs.

AG105.2 Outdoor swimming pool. An outdoor swimming pool, including in-ground, above-ground or on-ground pools, hot tubs and spas shall be provided with a barrier which shall comply with the following:

1. The top of the barrier shall be at least 48 inches above *grade* measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above grade, such as an above-ground pool, the barrier may be at ground level, such as the pool structure, or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches.
2. Openings in the barrier shall not allow passage of a 4-inch-diameter sphere.

3. Solid barriers which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches, the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed $1\frac{3}{4}$ inches in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed $1\frac{3}{4}$ inches in width.
5. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is 45 inches or more, spacing between vertical members shall not exceed 4 inches. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed $1\frac{3}{4}$ inches in width.
6. Maximum mesh size for chain link fences shall be a $2\frac{1}{4}$ -inches square unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than $1\frac{3}{4}$ inches.

7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than 1 3/4 inches.

8. Access gates shall comply with the requirements of Section AG105.2, Items 1 through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches from the bottom of the gate, the release mechanism and surrounding openings shall comply with the following: The release mechanism shall be located on the pool side of the gate at least 3 inches below the top of the gate and the gate and barrier shall have no opening greater than 1/2 inch within 18 inches of the release mechanism.

9. Where a wall of a dwelling serves as part of the pool barrier, one of the following conditions shall be met:

9.1. The pool shall be equipped with a power safety cover in compliance with ASTM F1346-91; or

9.2. All doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and its screen, if present, are opened. The alarm shall sound continuously for a minimum of 30 seconds within 7 seconds after the door and its screen, if present, are opened and be capable of being heard throughout the house during normal activities. The alarm shall automatically reset under all conditions. The alarm shall be equipped with a manual means, such as a touchpad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last for not more than 15 seconds. The deactivation device(s) shall be located at least 54 inches above the threshold of the door; or

9.3. All doors with direct access to the pool through that wall shall be equipped with a self-closing and self-latching device with the release mechanism located a minimum of 54 inches above the door threshold. Swinging doors shall open away from the pool area.

10. Where an above-ground or on-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps, then the ladder or steps shall be surrounded by a barrier which meets the requirements of section AG105.2, Items 1 through 9.

AG105.3 Indoor swimming pool. All walls surrounding an indoor swimming pool shall comply with Section AG105.2, Item 9.

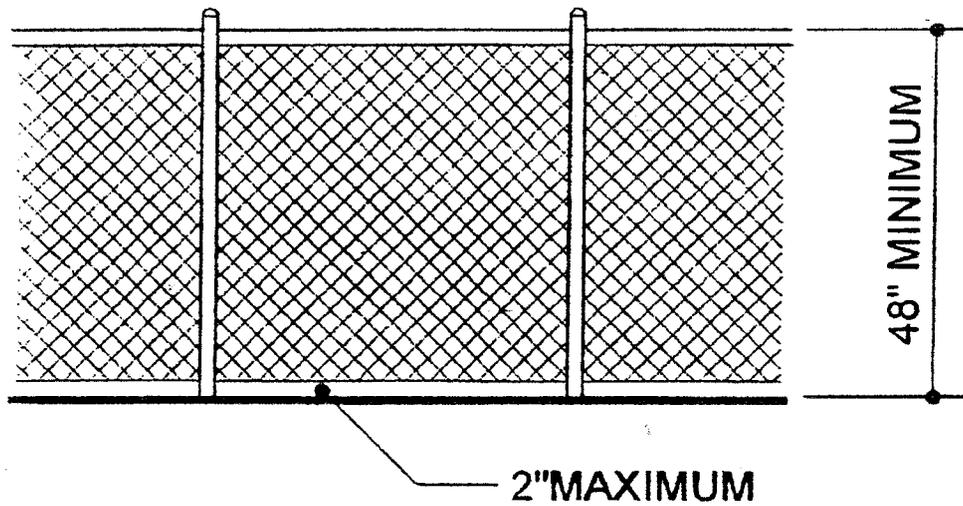
AG105.4 Prohibited locations. Barriers shall be located to prohibit permanent structures, equipment or similar objects from being used to climb the barriers.

AG105.5 Barrier exceptions. Spas or hot tubs with a safety cover which complies with ASTM F 1346, as listed in Section AG107, shall be exempt from the provisions of this appendix.

AG105.6 Temporary enclosure. A temporary enclosure shall be installed prior to the commencement of the installation of any in-ground swimming pool unless the permanent barrier specified in Section AG105.2 is in place prior to the commencement of the installation. The temporary enclosure shall be a minimum of 4 feet in height, shall have no openings that will allow passage of a 4-inch sphere and shall be equipped with a positive latching device on any openings.

AG105.7 Pool Alarm. No building permit shall be issued for the construction or substantial alteration of a swimming pool at a residence occupied by, or being built for, one or more families unless a pool alarm is installed with the swimming pool. As used in this section, "pool alarm" means a device which emits a sound of at least 50 decibels when a person or an object weighing 15 pounds or more enters the water in a swimming pool.

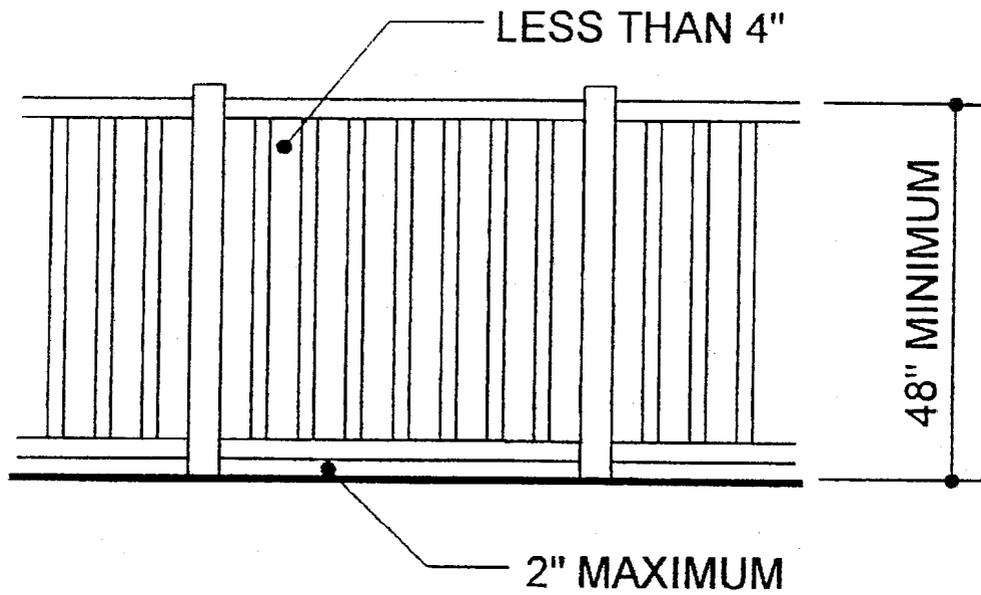
Exception: Hot tubs and portable spas shall be exempt from this requirement.



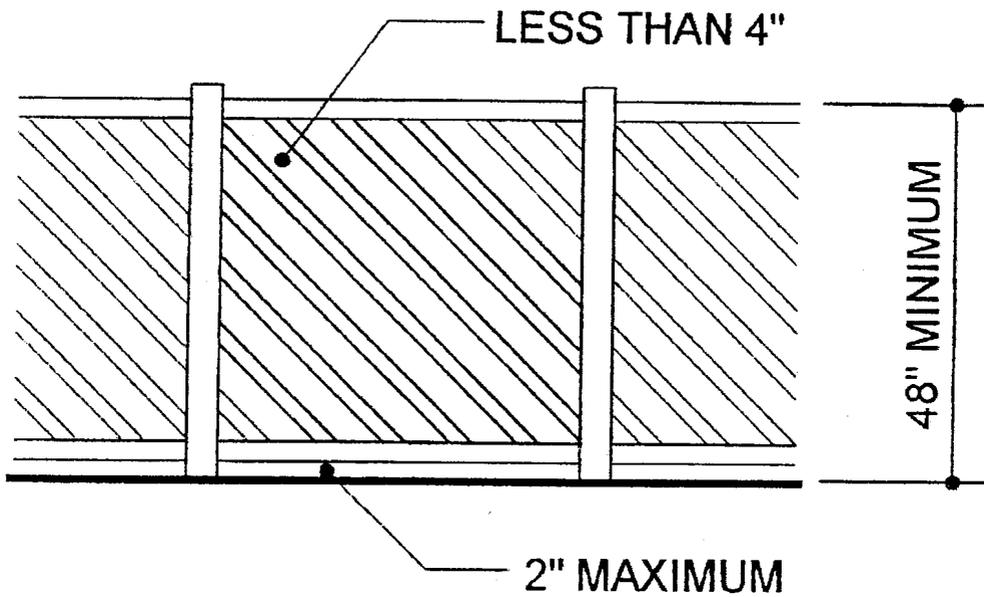
ELEVATION

OUTSIDE OF THE POOL ENCLOSURE

SECTION AG105.2, ITEM 1

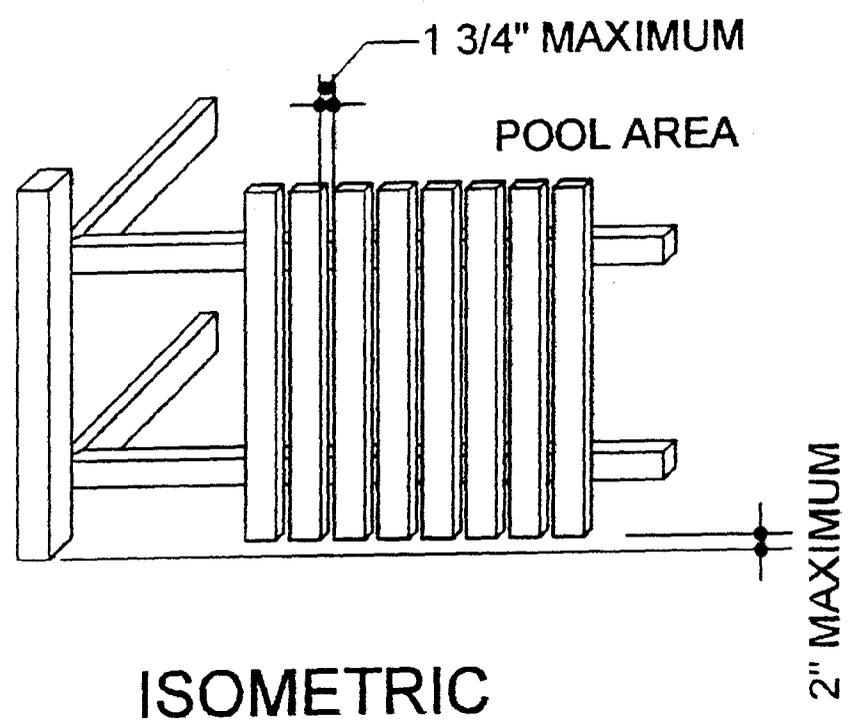
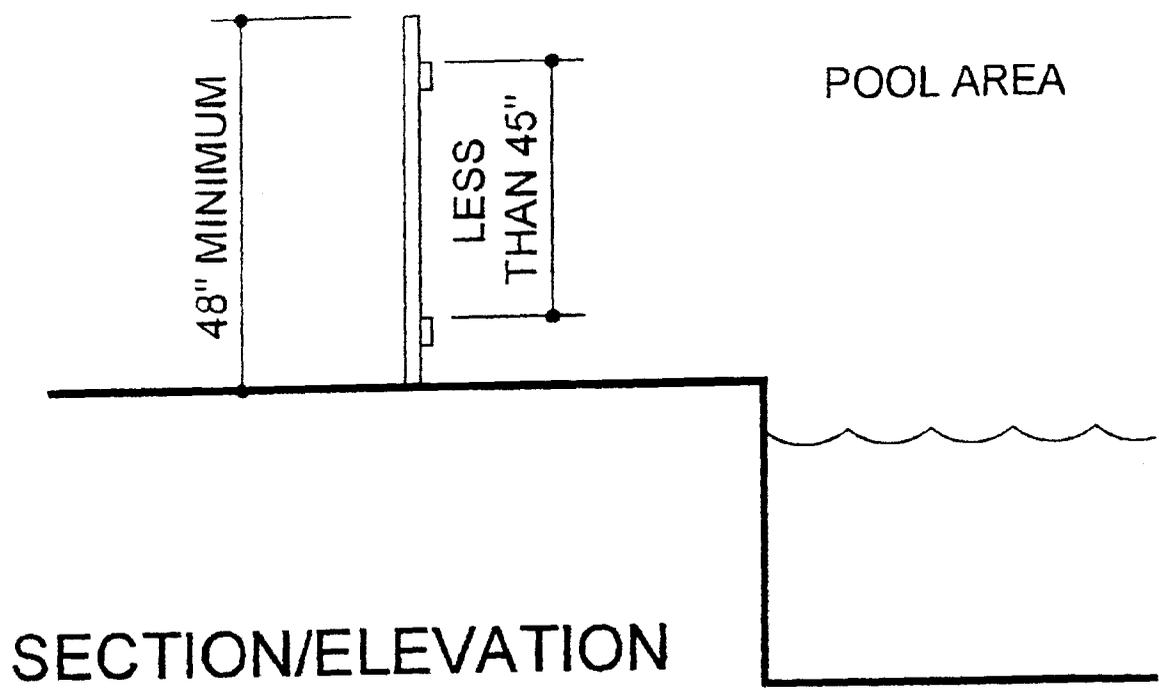


ELEVATION

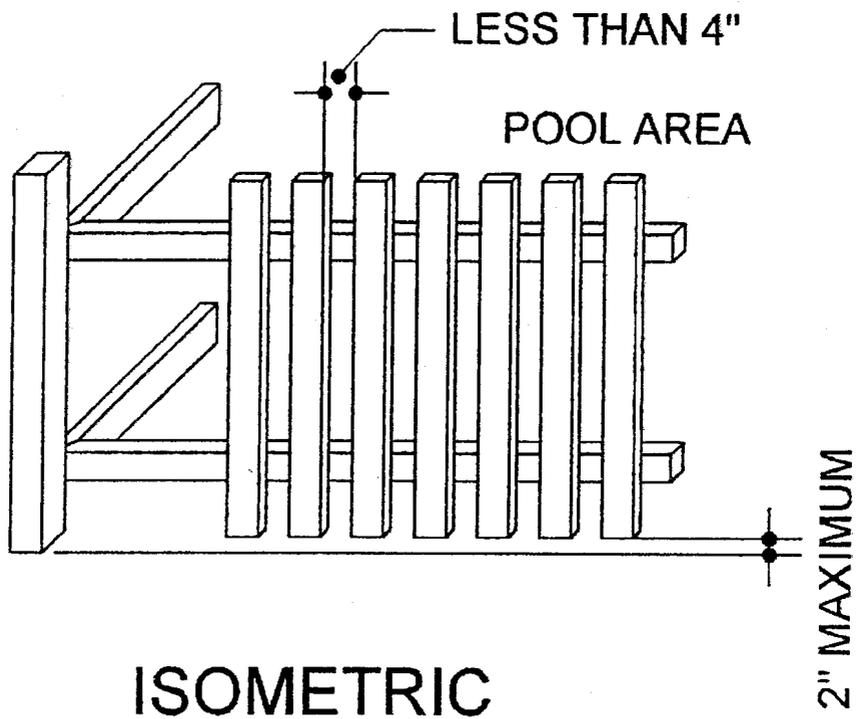
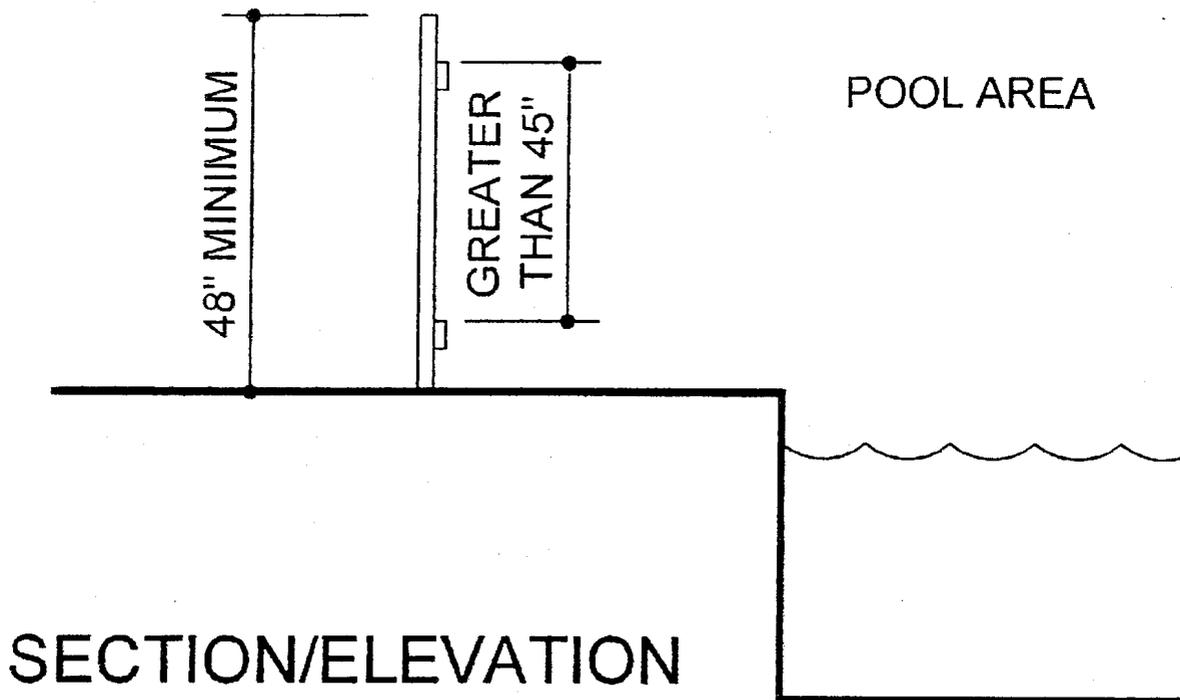


ELEVATION

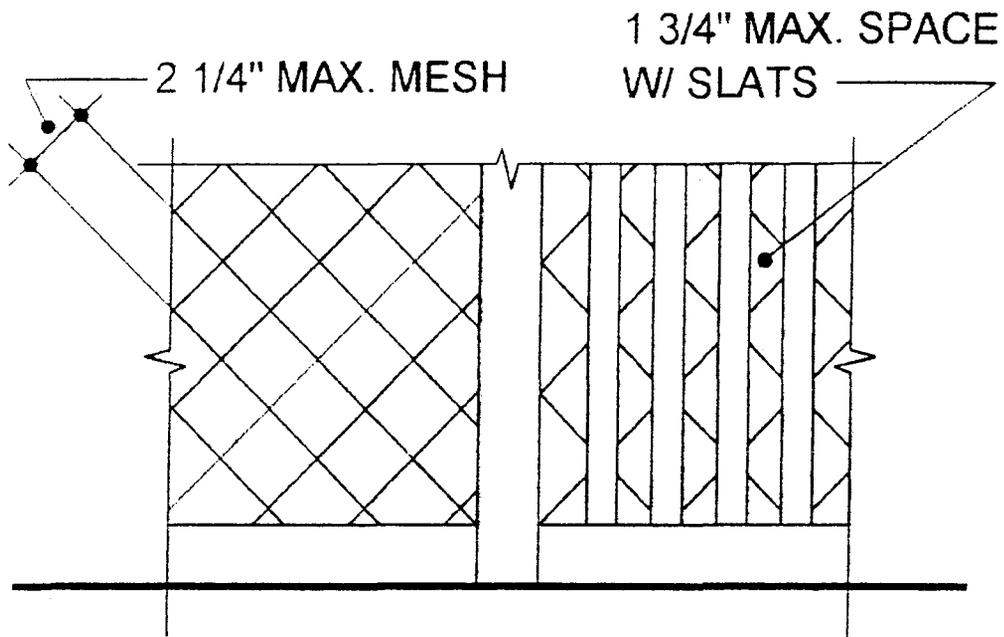
SECTION AG105.2, ITEM 2



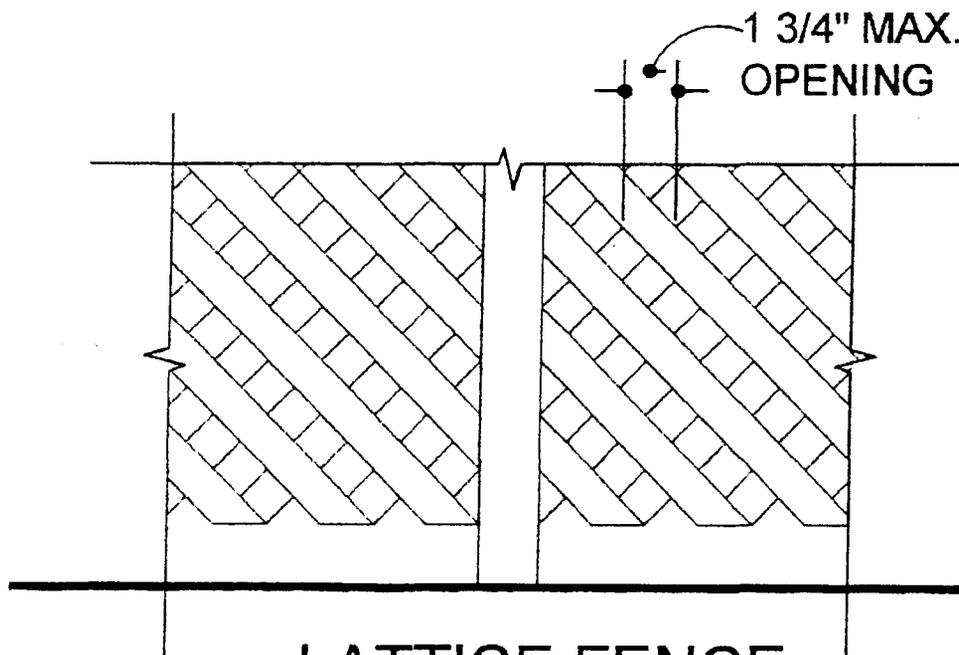
SECTION AG105.2, ITEM 4



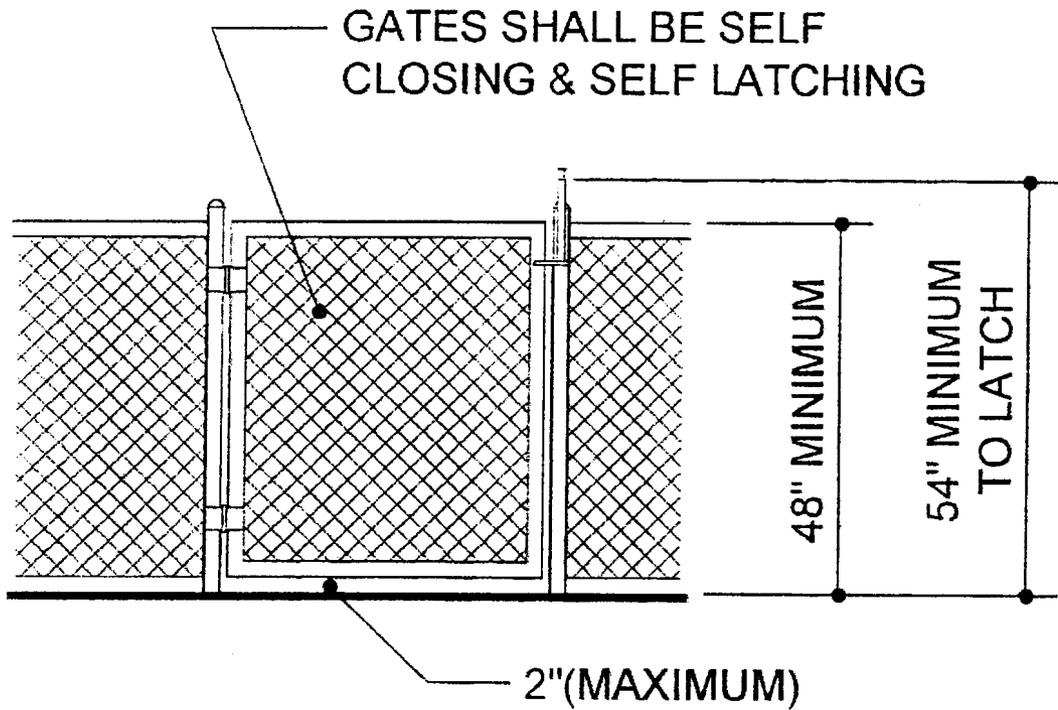
SECCIÓN AG105.2, ITEM 5



CHAIN LINK FENCE
SECTION AG105.2, ITEM 6



LATTICE FENCE
SECTION AG105.2, ITEM 7



ELEVATION

PEDESTRIAN ACCESS GATE

SECTION AG105.2, ITEM 8