



TOWN OF FOUNTAIN HILLS POOL HANDOUT

POOL PLANS SHALL INCLUDE; Site plan, barriers details, layout, engineering, electrical one-line, electrical calculation, panel schedules, heater, pump and drain cut-sheets and method of complying with VGBA.

SWIMMING POOLS. Any structure intended for swimming, recreational bathing or wading that contains water. This includes any body of water more than 18 inches deep and or more than 8 feet across.

1. Barrier height and clearances. The top of the barrier shall be at least 60 inches above grade measured on the side of the barrier that faces away from the swimming pool and shall not exceed 72 maximum height, except as permitted by zoning code. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches measured on the side of the barrier that faces away from the swimming pool. Where the top of the pool structure is above grade, the barrier is authorized to be at ground level or mounted on top of the pool structure, and 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 the 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 3/4 inches in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 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 3/4 inches in width.

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 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 openings shall comply with the following:

8.1. The release mechanism shall be located on the pool side of the gate at least 3 inches below the top of the gate; and

8.2. The gate and barrier shall have no opening larger than 1/2 inch within 18 inches of the release mechanism.

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

9.1. The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346;

9.2. 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/or its screen, if present, are opened. The alarm shall be listed and labeled in accordance with UL 2017. The deactivation switch(es) shall be located at least 54 inches above the threshold of the door; or

9.3. Other means of protection, such as self-closing doors with self-latching devices, which are approved by the governing body, shall be acceptable as long as the degree of protection afforded is not less than the protection afforded by Item 9.1 or 9.2 described herein.

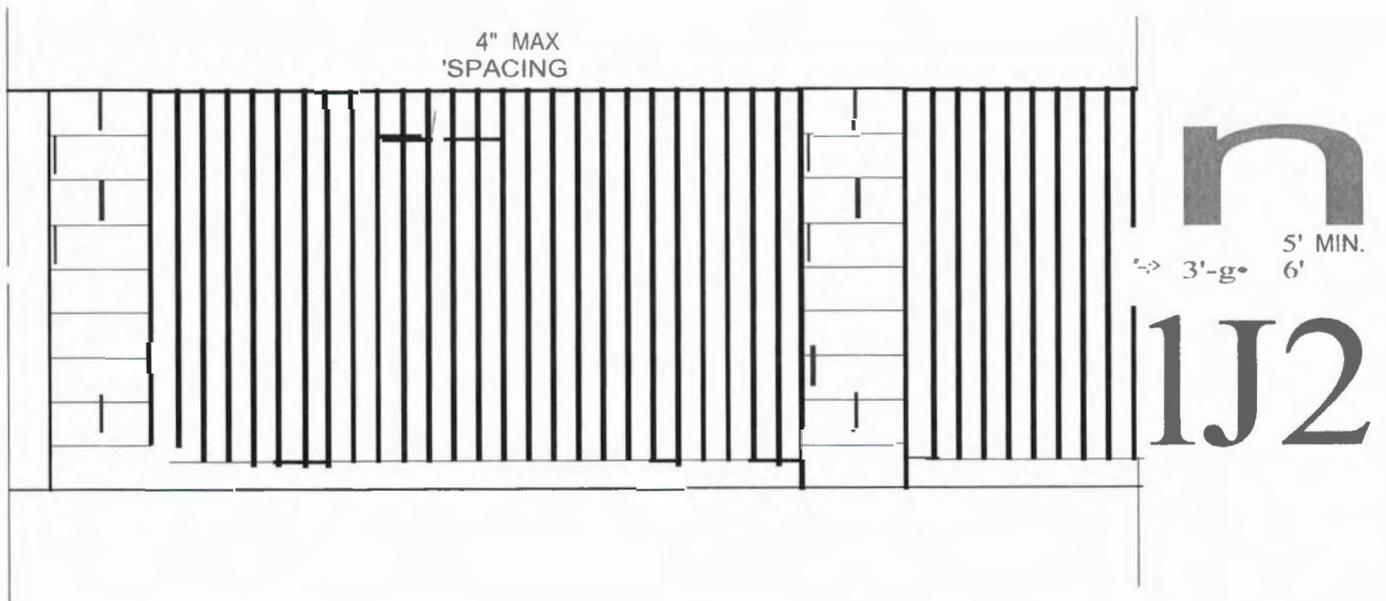
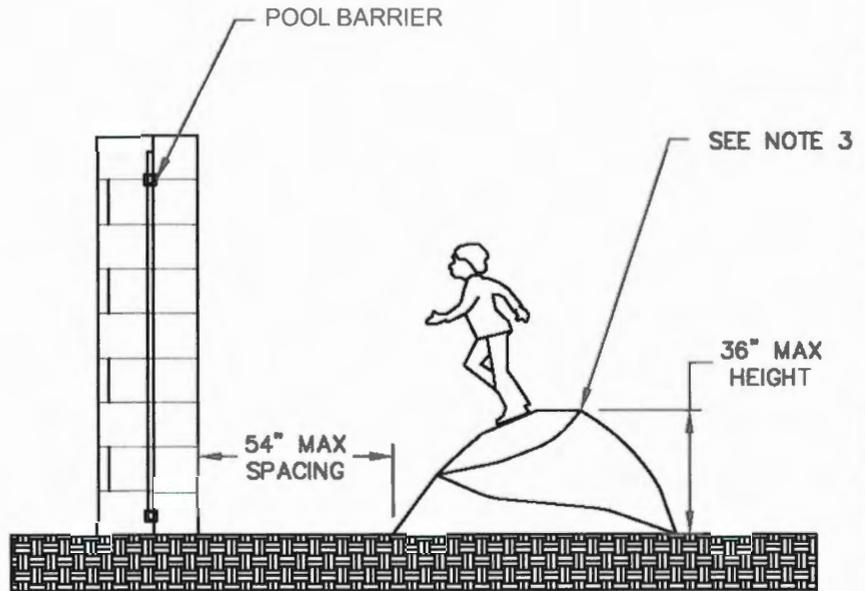
STANDARD CONSTRUCTION DETAILS

5' TO 6' POOL BARRIER WROUGHT IRON OR MASONRY FENCE

2012 INTERNATIONAL RESIDENTIAL CODE (IRC) AG 105

DETAIL NOTES:

1. MAXIMUM VERTICAL CLEARANCE BETWEEN GRADE AND BOTTOM OF BARRIER IS 2" MEASURED ON THE SIDE OF THE BARRIER THAT FACES AWAY FROM POOL.
2. TOP OF BARRIER SHALL BE AT LEAST 50" MIN, 72" MAX ABOVE GRADE MEASURED ON THE SIDE OF THE BARRIER THAT FACES AWAY FROM THE POOL.
3. ABOVE GROUND STRUCTURES ADJACENT TO POOL BARRIER ON THE SIDE OF THE BARRIER THAT FACES AWAY FROM THE POOL SHALL NOT BE PLACED CLOSER THAN 54" FROM POOL BARRIER.



TOWN OF FOUNTAIN HILLS
 BUILDING SAFETY DEPT.
 16705 E. AVENUE OF THE FOUNTAINS
 FOUNTAIN HILLS, AZ 85269

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 www.fh.az.gov

DRAWN:	ATH
CHECK:	PJ
DATE:	3-14-2018
SCALE:	N.T.S.
DWG NUM:	POOL FENCE 04

STANDARD CONSTRUCTION DETAILS TERRACED LOT POOL ENCLOSURE DETAIL

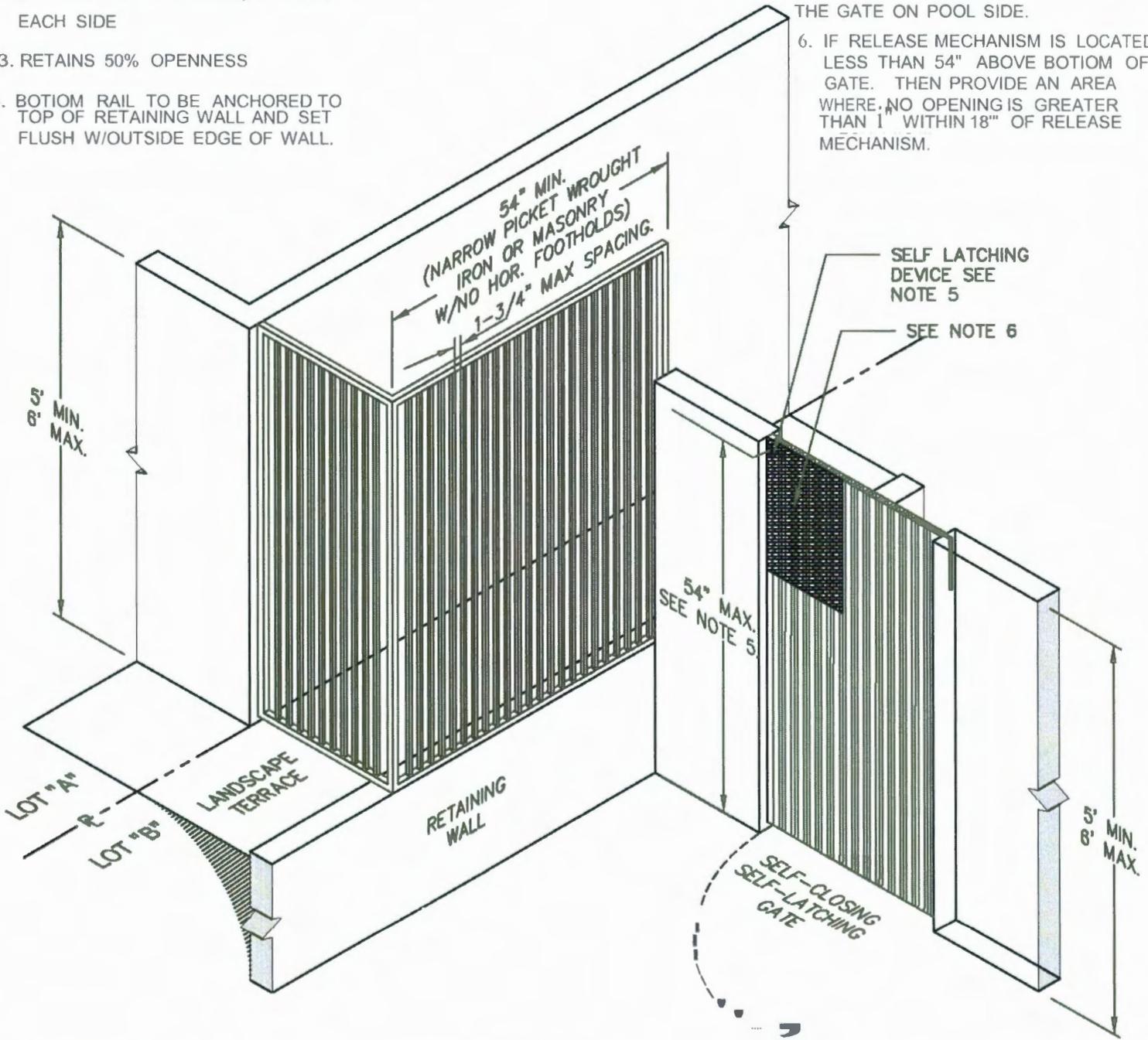
2012 INTERNATIONAL RESIDENTIAL CODE (IRC) AG 105

**NARROW PICKET
WROUGHT IRON NOTES:**

1. ** PICKETS @ 2" O.C. NO OPENING TO BE GREATER THAN 1" —
2. 1" RAILS TOP & BOTIOM, 1" POST EACH SIDE
3. RETAINS 50% OPENNESS
4. BOTIOM RAIL TO BE ANCHORED TO TOP OF RETAINING WALL AND SET FLUSH W/OUTSIDE EDGE OF WALL.

GENERAL NOTES

5. RELEASE MECHANISM OF THE SELF LATCHING DEVICE SHALL BE LOCATED NOT LESS THAN 54" ABOVE BOTIOM OF GATE AND 3" BELOW THE TOP OF THE GATE ON POOL SIDE.
6. IF RELEASE MECHANISM IS LOCATED LESS THAN 54" ABOVE BOTIOM OF GATE. THEN PROVIDE AN AREA WHERE NO OPENING IS GREATER THAN 1" WITHIN 18" OF RELEASE MECHANISM.



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DRAWN:	ATH (REVISION)
CHECK:	PJ
DATE:	2-28-2018 (REV)
SCALE:	N.T.S.
DWG NUM:	POOL FENCE 03

****EFFECTIVE IMMEDIATELY****

Fountain Hills is now an International Dark Sky Community!

Please note that all building permit submittals for new construction that include exterior lighting.

Must provide specifications to include:

1. Location and number of lights;
2. Type of lights;
3. Lumens:
 - a. 2250 lumens or greater must be fully shielded;
 - b. between 1125 and 2250 lumens must be at least partially shielded
 - c. lights without any shielding may have a max 1125 lumens output
4. Correlated Color Temperature (CCT, measured in Kelvin; lighting must be 3000K or less).

***POOLS:** Must provide a cut sheet for the bulb(s) that show they are 3000K or less.* (Specifications and/or cuts sheets for lumens and shielding NOT required.)

Please remember that all new and replacement light fixtures and/or new or replacement bulbs must also comply with Chapter 8 - Outdoor Lighting Control of the Town of Fountain Hills Zoning Ordinance (which includes the above requirements).

Also please note that this may affect low-voltage landscape lighting in some circumstances.

If you have any questions regarding these requirements contact:

Marissa Moore, AICP, Senior Planner

(480) 816-5139

mmoore@fh.az.gov

THANK YOU for helping our community protect our

Dark Skies! ☺

Examples of Fully Shielded Luminaires



Fully Shielded: Providing internal and/or external shields and louvers so that light rays emitted by the fixture, either directly from the lamp or indirectly from the fixture, are projected only below a horizontal plane running through the lowest point on the fixture where light is emitted or reflected. (Chapter 1, Town of Fountain Hills Zoning Ordinance)