CITY OF KATY

NON-TRANSFERABLE
EXPIRES IN 180 DAYS

NO REFUNDS FEES DOUBLE IF WORK IS PERFORMED WITHOUT PERMIT BEING ISSUED

P. O. BOX 617 901 AVENUE C KATY, TEXAS 77492 281-391-4830 fax:281-391-4834
Email: katypermits@cityofkaty.com code questions: buildinginfo@cityofkaty.com

APPLICATION FOR SWIMMING POOL

BUILD_____ REPAIR_____ DEMOLITION_____ OTHER_____
USE: **RESIDENTIAL**_____ **COMMERCIAL**_____

DATE OF APPLICATION:_____
PROJECT ADDRESS:_____
LOT: _____ BLOCK: _____ SUBDIVISION:_____ COUNTY:_____

LEGAL PROPERTY OWNER:_____
Owner's Address/City/State/Zip:_____
Owner's Phone #:_____ **EMAIL:**_____
CONTRACTOR'S NAME:_____
Address/City/State/Zip: _____
Contractor's Phone **#:**_____
DESCRIPTION OF PROJECT:_____

POOL - IN GROUND / ABOVE GROUND

DIMENSIONS - LENGTH_____**WIDTH**_____ **DEPTH**_____ **SQ.FT.**_____

POOL HEATED – YES / NO
If pool is heated, it must comply with 2012 IECC – 2015 IECC STATE MINIMUM

SPA - YES / NO

VALUE OF WORK: $_____

FEES:

Residential Pool - $50.00 Commercial Pool - $70.00

REINSPECT FEES: (If required)
Reinspection fee is $15.00 for the first reinspection, and the fee increases in increments of $15.00 each for each subsequent reinspection. (Ordinance 2240 adopted 11/10/03)

_____

Original Signature of Contractor/Property Owner **Printed Name** **Date**

****

Approved By:_____ **Date:**_____

NOTE: Inspections called in before 2:00pm will be scheduled for next business day, after 2:00pm will be scheduled for two (2) business days.

SWIMMING POOL PERMIT REQUIREMENTS
CITY OF KATY BUILDING INSPECTIONS DEPARTMENT

DRAWINGS SUBMITTAL: Two (2) copies of pool plans, specs and site plan must be submitted with a completed building permit application form. Signed Pool Barrier Agreement **must** be included. House Pool Alarm form is optional.

1. Site plan must include information as to the location of water, sewer and gas service lines on the property. Site plan must include all dimensions, including location of pool in reference to the property lines and all building locations and must show all easements.
2. Site plan must indicate location of underground electrical service, if applicable. If any utility lines are being rerouted it must be shown on site plan and responsible party indicated.
3. Pool steel layout must be shown on drawings.
4. All decking is required to be shown on pool plans. Decking is prohibited in utility/electrical easements; pavers are allowed in easements.
5. Provide gas riser diagram.
6. All benches, steps, and seating areas have to be formed up and will be inspected at the same time as the pool steel inspection. Approved construction material may be used to form these areas (examples: wire mesh and rebar).

FEES: Private Pool - $50.00 Public Pool - $70.00 Plumbing/Electrical Permit Fees separate from Pool Fees

NOTES:

1. City will contact pool builder upon approval of the building permit application. Upon notification of approval, plumbing and electrical permits must be obtained PRIOR TO the issuance of the building permit and prior to starting any work. FEES DOUBLE IF WORK IS PERFORMED WITHOUT PERMITS.
2. All contractors must provide proof of general liability insurance in the minimum amount of $300,000.00. Certificate of Insurance must list City of Katy as certificate holder and must be provided directly from the insurance company. If insurance is from an out of state company, it will need to list the job address on the certificate of insurance.
3. Permit holder is responsible for requesting and completing all required inspections.
4. Expansion joints are required 12 ft. on center and at 144 SF intervals.
5. Deck steel should be bonded a minimum of six (6) points around pool.
6. Fences surrounding residential pools shall comply with Appendix G, Section AG105, 2012 International Residential Code (attached).
7. Swimming pools that are heated shall comply with the 2012 International Energy Conservation Code, Sec. 403.9.1 through R403.9.3
8. The City of Katy does not issue credit on water bills for the filling of swimming pools.

REQUIRED INSPECTIONS:

1. Site Inspection.
2. Main Drain (pressure test required @35 PSI for 15 mins.) and steel layout (foundation) are scheduled at the same time. Pool and/or spa 2 main drains required in each area, minimum 36" separation from each drain and drains can be installed vertically or horizontally.
3. Fence/enclosure inspection and door alarm. Enclosure must be inspected/passed **before** water can be in pool.
4. Plumbing in-ground (piping, p trap, sewer connect, yard lines, etc.) Mastic is required on all PVC sealed in concrete deckings. Plumber must have regulator on gas lines to appliances when being pressure tested. Install valve between line being tested and regulator.
5. Electric rough, including underground, light niche bonding, J box(es), and bonding of pool equipment.
6. Pool deck steel inspection, including electrical deck steel bonding. **If no concrete deck is to be installed, equipotential bonding inspection is required.**
7. **FINAL INSPECTIONS:** Building, plumbing and electrical inspections are scheduled for one time. All pool installations must be completed. The pool shall be completely filled with water and in operation before final inspections. **THE POOL CANNOT BE USED UNTIL ALL FINAL INSPECTIONS HAVE PASSED.**

NOTES: See attachment for Centerpoint Energy requirements for gas connection.

CITY OF KATY

SWIMMING POOL BARRIER AGREEMENT

I certify that I am the homeowner at _____ (print address) and the following pool company_____ will be acting as the General Contractor installing the pool.

We both agree and understand the swimming pool barrier (fencing) will be installed in accordance with the 2012 International Residential Code, Section AG 105, Barrier Requirements for swimming pools, and inspected **before any water is put into the pool.**

I understand that if any water is put into the pool before a barrier is placed, inspected, and approved by the City of Katy, a citation will be issued to the General Contractor and the homeowner for each day the violation is not in compliance. The amount of the citation per day would be not less than $500.00 nor more than $2,000.00.

Attached to this agreement is a copy of Section AG 105, Barrier Requirements from the 2012 International Residential Code.

SWIMMING POOL FINALS AGREEMENT

As the homeowner, I understand and agree that the swimming pool shall not be used until all final inspections on the swimming pool have passed.

As the pool contractor, I understand and agree that final inspections on the swimming pool must be scheduled as soon as the pool is complete and the pool cannot be used by the homeowner until all finals have passed.

Printed name of homeowner_____

Signature of homeowner_____

Date_____

Printed name of General Contractor & Title_____

Signature of General Contractor_____

Date_____

INCORPORATED IN 1945

City of Katy

HUB CITY OF THREE COUNTIES

CERTIFICATION OF HOUSE – POOL PROTECTION DEVICE INSTALLATION

I certify that I am the homeowner at:_____(print address)and the following swimming pool barrier protection devices has been installed between all doors with direct access to the pool area.

_____1. All doors with direct access into the pool 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 immediately after the door is opened and be capable of being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions. The alarm system shall be equipped with a manual means, such as touchpad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last for not more than 15 seconds. The deactivation switch(es) shall be located at least 54 inches above the threshold of the door.

Printed name of Homeowner_____
Signature of Homeowner:_____Date:_____

NOTARY PUBLIC TO COMPLETE THE REMAINDER OF FORM

STATE OF TEXAS

COUNTY OF_____

BEFORE ME, the undersigned authority, on this_____day of_____ in the year 20____,
Personally appeared_____, known to me to be a credible person and the signer on the foregoing certificate, and who, after being by me duly sworn, did upon his/her oath, state that information contained in such application is true and correct to the best of his/her knowledge and belief.

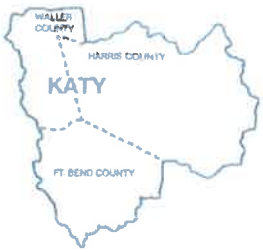
Notary Public in and for
_____ County
State of Texas
My Commission expires_____

Seal

Texas Penal code Section 37.10 states that a person commits a Class A misdemeanor if they knowingly mark false entries in, or false alteration of, a governmental record or makes or uses any record document or thing with knowledge of it's falsity and with intent that it be taken as a genuine government record.

INCORPORATED IN 1945

City of Katy



HUB CITY OF THREE COUNTIES

NOTICE TO ALL SWIMMING POOL/SPA CONTRACTORS AND HOMEOWNERS

The Construction Ordinance of the City of Katy requires that swimming pools and spas be completely surrounded by a code-approved barrier. These requirements are intended to provide protection against potential drowning and near drowning by restricting access to swimming pools and spas. ***When the walls of a house*** are part of the barrier, all doors in a wall of a dwelling that provide direct access to the pool/spa area must satisfy the barrier requirements. This means that the doors must be fitted with a code-approved audible alarm. In order for the Building Inspector to verify that affected doors meet the barrier requirements, the Building Inspector must have access to the interior of the house. This requires that either the homeowner or the homeowner's agent be present when the inspection is performed.

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 immediately after the door is opened and be capable of being heard throughout the house during normal house-hold activities. The alarm shall automatically reset under all conditions. The alarm shall be equipped with a manual means, such as touchpad or switch, to temporarily deactivate the alarm for a single opening. Such deactivation shall last for not more than 15 seconds. The deactivation switch(es) shall be located at least 54 inches (1372mm) above the threshold of the door.

The City of Katy offers the homeowner an option. The homeowner may choose to complete a **CERTIFICATION OF HOUSE-POOL PROTECTION DEVICE INSTALLATION FORM** (attached). This form must be completed in full and the original must be on file with the Building Inspections Department prior to the pool contractor requesting the pool steel/bonding inspection or made available to the inspector at the time of the inspection. The Building Inspector will accept this form in lieu of the interior inspection. If the pool steel/bonding inspection is requested and the form is not on file or available, access to the house is necessary but not provided, the pool contractor will be assessed a reinspection fee and the inspection will be disapproved.

By completing and returning the attached form, the Building Inspector will be able to provide the pool steel/bonding inspection without entering the house to verify door barrier compliance. It is the homeowner's option to have the protection devices inspected rather than use this form. By using the form, the homeowner accepts responsibility of complying with the City of Katy code requirements as evidenced by the execution of the form. To use the form the homeowner should proceed as follows:

1. Legibly print your address,
2. Legibly initial the option(s) used for complying with the City of Katy code requirements,
3. Legibly print your name,
4. Sign and date the document before a Notary Public (the Notary Public will complete the remainder of the form, and
5. Return the completed and notarized form to the Building Inspections Department located at 910 Avenue C Katy, Texas 77492. The form may be mailed or delivered in person or made available to the inspector at the time of the inspection.

It is recommended that the homeowner and the pool contractor communicate regarding the use of this form and the timing of inspections. Forms are available from the permits clerk at the time the application is submitted. If you have any questions, please feel free to contact Roy Frankum, Building Official at 281-391-4830 or at rfrankum@cityofkaty.com.

APPENDIX G

SWIMMING POOLS, SPAS AND HOT TUBS

(The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.)

SECTION AG101
GENERAL

AG101.1 General. The provisions of this appendix shall control the design and construction of swimming pools, spas and hot tubs installed in or on the *lot* of a one- or two-family dwelling.

AG101.2 Pools in flood hazard areas. Pools that are located in flood hazard areas established by Table R301.2(1), including above-ground pools, on-ground pools and in-ground pools that involve placement of fill, shall comply with Section AG101.2.1 or AG101.2.2.

Exception: Pools located in riverine flood hazard areas which are outside of designated floodways.

AG101.2.1 Pools located in designated floodways. Where pools are located in designated floodways, documentation shall be submitted to the *building official* which demonstrates that the construction of the pool will not increase the design flood elevation at any point within the *jurisdiction*.

AG101.2.2 Pools located where floodways have not been designated. Where pools are located where design flood elevations are specified but floodways have not been designated, the applicant shall provide a floodway analysis that demonstrates that the proposed pool will not increase the design flood elevation more than 1 foot (305 mm) at any point within the *jurisdiction*.

SECTION AG102
DEFINITIONS

AG102.1 General. For the purposes of these requirements, the terms used shall be defined as follows and as set forth in Chapter 2.

ABOVE-GROUND/ON-GROUND POOL. See "Swimming pool."

BARRIER. A fence, wall, building wall or combination thereof which completely surrounds the swimming pool and obstructs access to the swimming pool.

HOT TUB. See "Swimming pool."

IN-GROUND POOL. See "Swimming pool."

RESIDENTIAL. That which is situated on the premises of a detached one- or two-family dwelling, or a one-family *townhouse* not more than three stories in height.

SPA, NONPORTABLE. See "Swimming pool."

SPA, PORTABLE. A nonpermanent structure intended for recreational bathing, in which all controls, water-heating and water-circulating *equipment* are an integral part of the product.

SWIMMING POOL. Any structure intended for swimming or recreational bathing that contains water more than 24 inches (610 mm) deep. This includes in-ground, above-ground and on-ground swimming pools, hot tubs and spas.

SWIMMING POOL, INDOOR. A swimming pool which is totally contained within a structure and surrounded on all four sides by the walls of the enclosing structure.

SWIMMING POOL, OUTDOOR. Any swimming pool which is not an indoor pool.

SECTION AG103
SWIMMING POOLS

AG103.1 In-ground pools. In-ground pools shall be designed and constructed in compliance with ANSI/NSPI-5.

AG103.2 Above-ground and on-ground pools. Above-ground and on-ground pools shall be designed and constructed in compliance with ANSI/NSPI-4.

AG103.3 Pools in flood hazard areas. In flood hazard areas established by Table R301.2(1), pools in coastal high-hazard areas shall be designed and constructed in compliance with ASCE 24.

SECTION AG104
SPAS AND HOT TUBS

AG104.1 Permanently installed spas and hot tubs. Permanently installed spas and hot tubs shall be designed and constructed in compliance with ANSI/NSPI-3.

AG104.2 Portable spas and hot tubs. Portable spas and hot tubs shall be designed and constructed in compliance with ANSI/NSPI-6.

SECTION AG105
BARRIER REQUIREMENTS

AG105.1 Application. The provisions of this appendix 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 an in-ground, above-ground or on-ground pool, hot tub or spa, shall be surrounded by a barrier which shall comply with the following:

1. The top of the barrier shall be at least 48 inches (1219 mm) 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 (51 mm) 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 (102 mm).
2. Openings in the barrier shall not allow the passage of a 4-inch-diameter (102 mm) 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 (1143 mm), 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 (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed $1^3/_4$ inches (44 mm) 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 (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed $1^3/_4$ inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be a $2^1/_4$-inch (57 mm) square, unless the fence has slats fastened at the top or the bottom which reduce the openings to not more than $1^3/_4$ inches (44 mm).
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 (44 mm).
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 (1372 mm) 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 (76 mm) below the top of the gate; and
   8.2. The gate and barrier shall have no opening larger than $^1/_2$ inch (12.7 mm) within 18 inches (457 mm) 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 (1372 mm) 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.
10. Where an above-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:
    10.1. The ladder or steps shall be capable of being secured, locked or removed to prevent access; or
    10.2. The ladder or steps shall be surrounded by a barrier which meets the requirements of Items 1 through 9. When the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4-inch-diameter (102 mm) sphere.

AG105.3 Indoor swimming pool. Walls surrounding an indoor swimming pool shall comply with Item 9 of Section AG105.2.

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

AG105.5 Barrier exceptions. Spas or hot tubs with a safety cover which comply with ASTM F 1346 shall be exempt from the provisions of this appendix.

SECTION AG106
ENTRAPMENT PROTECTION FOR SWIMMING POOL AND SPA SUCTION OUTLETS

AG106.1 General. Suction outlets shall be designed and installed in accordance with ANSI/APSP-7.

SECTION AG107
ABBREVIATIONS

AG107.1 General.

ANSI—American National Standards Institute
11 West 42nd Street
New York, NY 10036

APSP—Association of Pool and Spa Professionals
NSPI—National Spa and Pool Institute
2111 Eisenhower Avenue
Alexandria, VA 22314

ASCE—American Society of Civil Engineers
1801 Alexander Bell Drive
Reston, VA 98411-0700

ASTM—ASTM International
100 Barr Harbor Drive
West Conshohocken, PA 19428

UL—Underwriters Laboratories, Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096

SECTION AG108
REFERENCED STANDARDS

AG108.1 General.

ANSI/NSP

ANSI/NSPI-3—99 Standard for Permanently Installed Residential Spas AG104.1

ANSI/NSPI-4—99 Standard for Above-ground/ On-ground Residential Swimming Pools AG103.2

ANSI/NSPI-5—03 Standard for Residential In-ground Swimming Pools. . AG103.1

ANSI/NSPI-6—99 Standard for Residential Portable Spas AG104.2

ANSI/APSP

ANSI/APSP-7—06 Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs and Catch Basins AG106.1

ASCE

ASCE/SEI-24—05 Flood-resistant Design and Construction AG103.3

ASTM

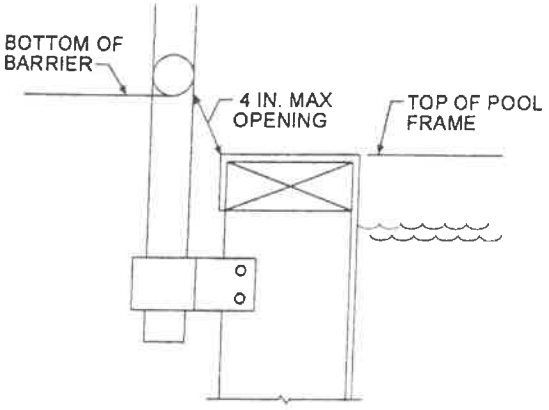
ASTM F 1346—91 (2003) Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools Spas and Hot Tubs AG105.2, AG105.5

UL

UL 2017—2000 Standard for General-purpose Signaling Devices and Systems—with revisions through June 2004 . . . . . AG105.2

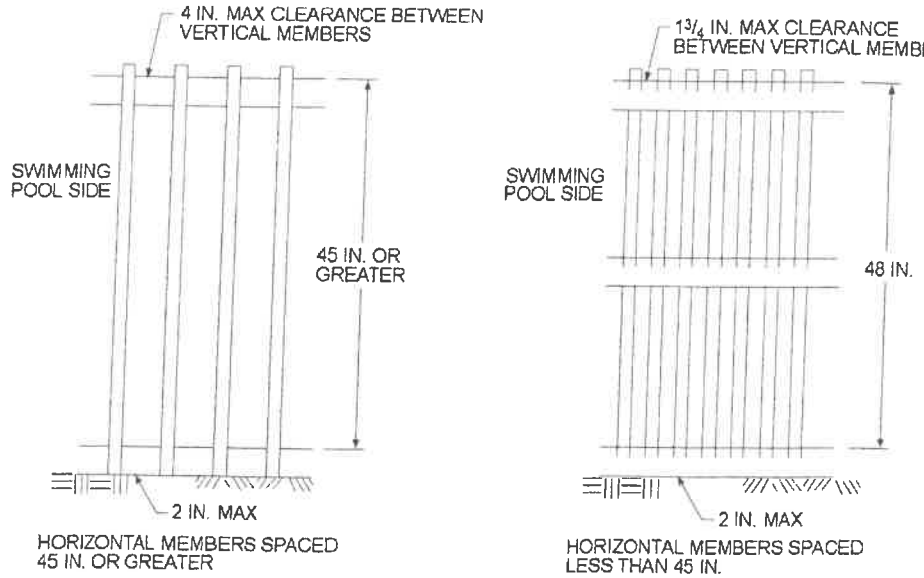
(1143 mm). It acknowledges the potential for a child to gain both a handhold and a foothold on closely spaced horizontal members and reduces the potential for a child to gain a foothold by limiting the space between the vertical members on the same barrier. If the horizontal members are spaced less than 45 inches (1143 mm) apart, they must also be located on the swimming pool side of the fence as shown in Commentary Figure AG105.2(2) so that they are not available to be used to climb the barriers.

5. This requirement is the counterpart to Item 4 in that it permits the opening in the barrier to be 4 inches (102 mm) if the vertical spacing of the horizontal members equals or exceeds 45 inches (1143 mm) as illustrated in Commentary Figure AG105.2(2). It is consistent with Item 2, which limits openings in the barrier to a 4-inch (102 mm) diameter. The spacing of horizontal members 45 inches (1143 mm) apart precludes them from being used by small children to climb the barrier.



For SI: 1 inch = 25.4 mm.

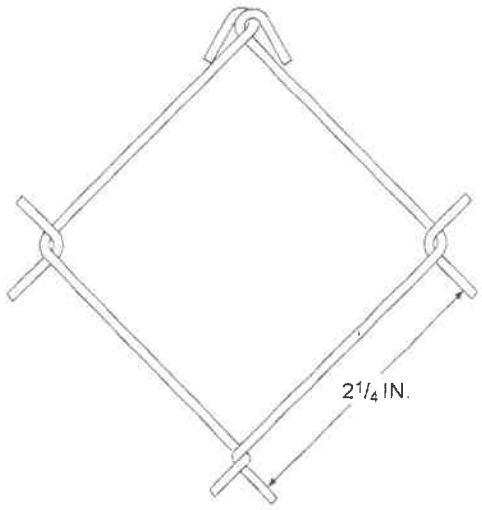
Figure AG105.2(1)
OPENING LIMITATIONS



For SI: 1 inch = 25.4 mm.

Figure AG105.2(2)
PRIVATE SWIMMING POOL BARRIER CONSTRUCTION

6. The $2^1/_4$-inch (57 mm) dimension is intended to reduce the potential for a child to gain a foothold [see Commentary Figure AG105.2(3)]. The mesh size is permitted to be larger than $2^1/_4$-inches (57 mm) square if slats are used to reduce the mesh opening to $1^3/_4$ inches (44 mm) in order to decrease the potential for a child to obtain a foothold or handhold.



For SI: 1 inch = 25.4 mm.

Figure AG105.2(3)
CHAIN-LINK FENCE MESH FOR PRIVATE SWIMMING POOLS

7. A slightly larger opening is permitted for barriers composed of diagonal members other than chain link fences, on the basis that such barriers would be more difficult to gain a foothold and handhold on than a chain link fence. The $1^3/_4$-inch (44 mm) dimension is consistent with Items 4, 5 and 6.

8. A gate represents the same potential hazard relative to climbing as do the other portions of the barrier; therefore, it must be constructed in accordance with applicable Items 1 through 7. Additionally, because the gate also represents a potential breech of the barrier because the gate can be opened, the code provides prescriptive details for the construction and operation of the gate. A self-closing pedestrian gate must open away from the pool because if the latch fails to operate, a child pushing on the gate will not gain immediate access to the pool. Pushing on the gate may also engage the latch. Large, nonpedestrian gates are not required to be self-closing because of prohibitive cost and maintenance concerns coupled with the fact that these gates are typically operated by persons other than small children. The 54-inch (1372 mm) latch height requirement limits the potential for small children to reach and activate the latch. If the latch is located lower than 54 inches (1372 mm), the code's prescriptive location requirements preclude the latch from being activated by small children who are not on the pool side of the gate.

9. Many residential settings with backyard pools use the dwelling as a portion of the barrier required around the pool, such as where the fence bounding the property terminates at the dwelling. This limits access to the pool by unsupervised children around the perimeter of the fence, but there is still a potential for children to access the pool from within the dwelling. Indeed, almost half the children involved in drowning or near-drowning accidents gained access to the pool from the dwelling.

   The provisions of this section restrict such access by small children and are applicable to all doors in walls that form a portion of the barrier required around swimming pools.

   Protection of such door openings to pool areas can be achieved in any one of the methods described in Items 9.1 through 9.3. The first alternative does not require protection of the exterior door itself but limits access to the pool by means of a power safety cover. The performance criteria specified when this option is selected assures that the power safety cover is an adequate and reliable barrier to the pool. In Item 9.2, the alarm is configured to allow adults who are accessing the house to open the door, enter the house and deactivate the system to prevent a false alarm. The touchpad used to deactivate the system must be mounted 54 inches (1372 mm) above the floor, which is presumed to be beyond the reach of small children.

   Item 9.3 permits doors to pool areas to be protected by devices that render the door self-closing and self-latching. Any other requirements would be performance based because the code requires equivalency only with Item 9.1 or 9.2. One possible criterion could require the release mechanism for the latching device to be located a minimum of 54 inches (1372 mm) above the floor, which is presumed to be beyond the reach of small children. In addition, doors protected by the method specified in Item 9.3 should probably open away from the pool area. This is so that if the door failed to latch, a child outside the pool area pushing against the door would

FIGURE #1

ALL STEEL MUST BE SUPPORTED BY THE USE OF CHAIRS PRIOR TO INSPECTION & CONCRETE.

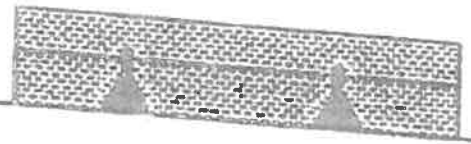


FIGURE #2

Dowels must be placed 18" inches On Center.
All walking surfaces must utilize dowels.

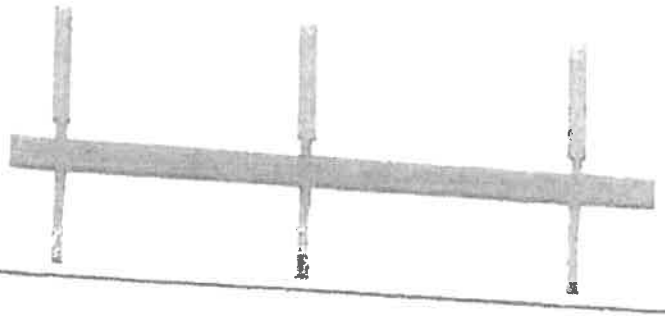


FIGURE #3

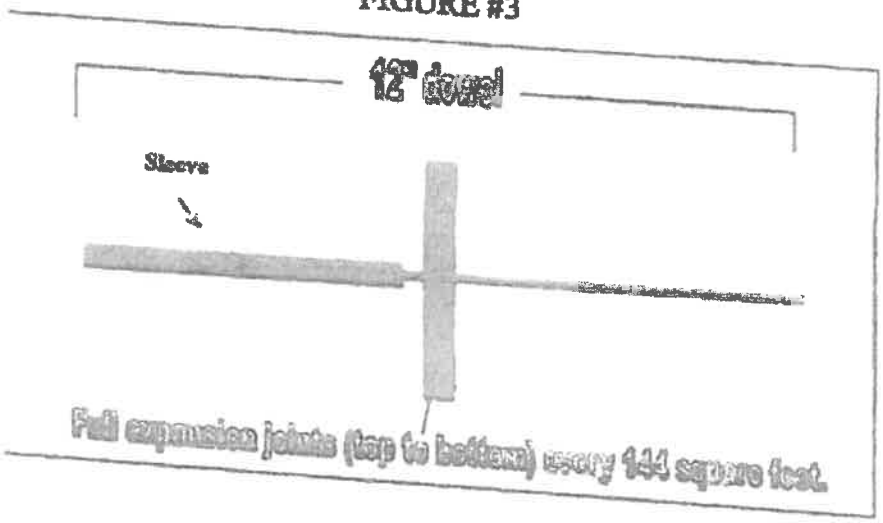
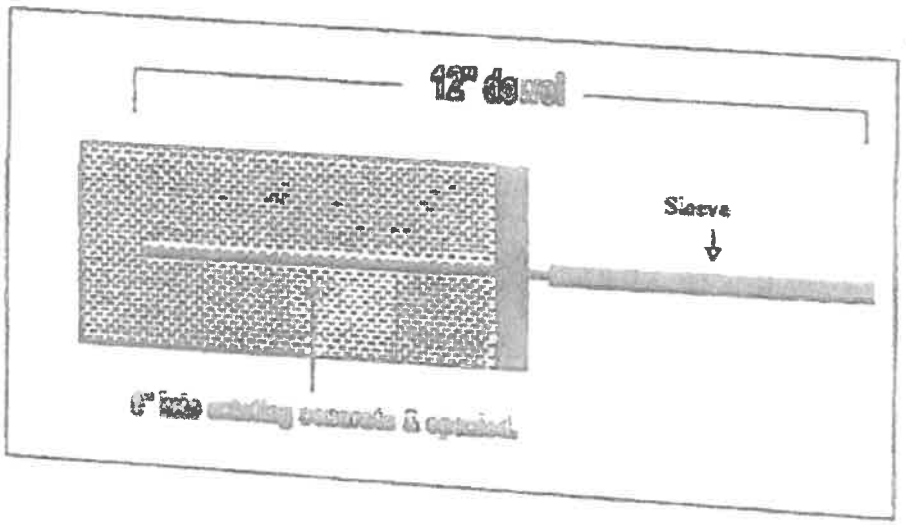


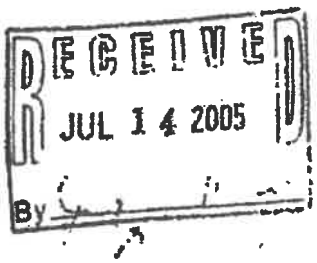
FIGURE #4



CenterPoint Energy

CenterPoint Energy
3901 Airport Ave.
Rosenberg, TX 77471-5403
281 342 8881

July 8, 2005



City of Katy
Building Dept.
P.O. Box 617
Katy, TX 77492

Listed below are the requirements for gas connections for the pool heater upgrades from CenterPoint Energy.

- Pool lines must have a valve and a union in close proximity to the meter.
- Pool lines can not be connected to the meter.
- Where multiple house lines exist (grill, fire pits, etc.), CenterPoint Energy will tie the pool line into the meter. All other lines needing to be tied in will not be the responsibility of CenterPoint Energy.

If you have any questions, please feel free to contact me at 281-342-8881.

Sincerely,

John Pickens
Gas Distribution Leader