

## SWIMMING POOLS

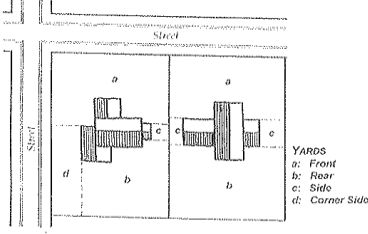
Application Date \_\_\_\_/\_\_\_\_/\_\_\_\_

### BUILDING PERMIT APPLICATION

Property & Owner Information			
Owner Name			
Phone			
Email Address			
Street Address	_____ Romeoville, Illinois 60446		
Subdivision & Lot #	Subdivision _____ Lot # _____		
Work Performed by Homeowner			
If you doing the work yourself, please also complete the <i>Property Owner's Acknowledgement of Responsibility</i> form.			
If you are using a contractor or sub-contractor, a copy of the signed contract shall be included with the application and the following information shall be provided. All contractors and sub-contractors in Romeoville shall be registered, insured and bonded with the Village.			
	<b>CONTRACTOR INFORMATION - INSTALLER</b>		<b>CONTRACTOR INFORMATION - ELECTRICAL</b>
Contractor Name			
Contractor Address (no P.O. Box)			
Contractor Phone			
Who is the applicant?	<input type="checkbox"/> Owner <input type="checkbox"/> Renter <input type="checkbox"/> Contractor		<b>\$ 50.00 Plan Review Fee when Permit Application is submitted</b>
Who will be doing the work? Check all that apply.	<input type="checkbox"/> Self <input type="checkbox"/> General Contractor		
Who is the contact person?	<input type="checkbox"/> Homeowner <input type="checkbox"/> Contractor		
Estimated Cost	\$ _____		

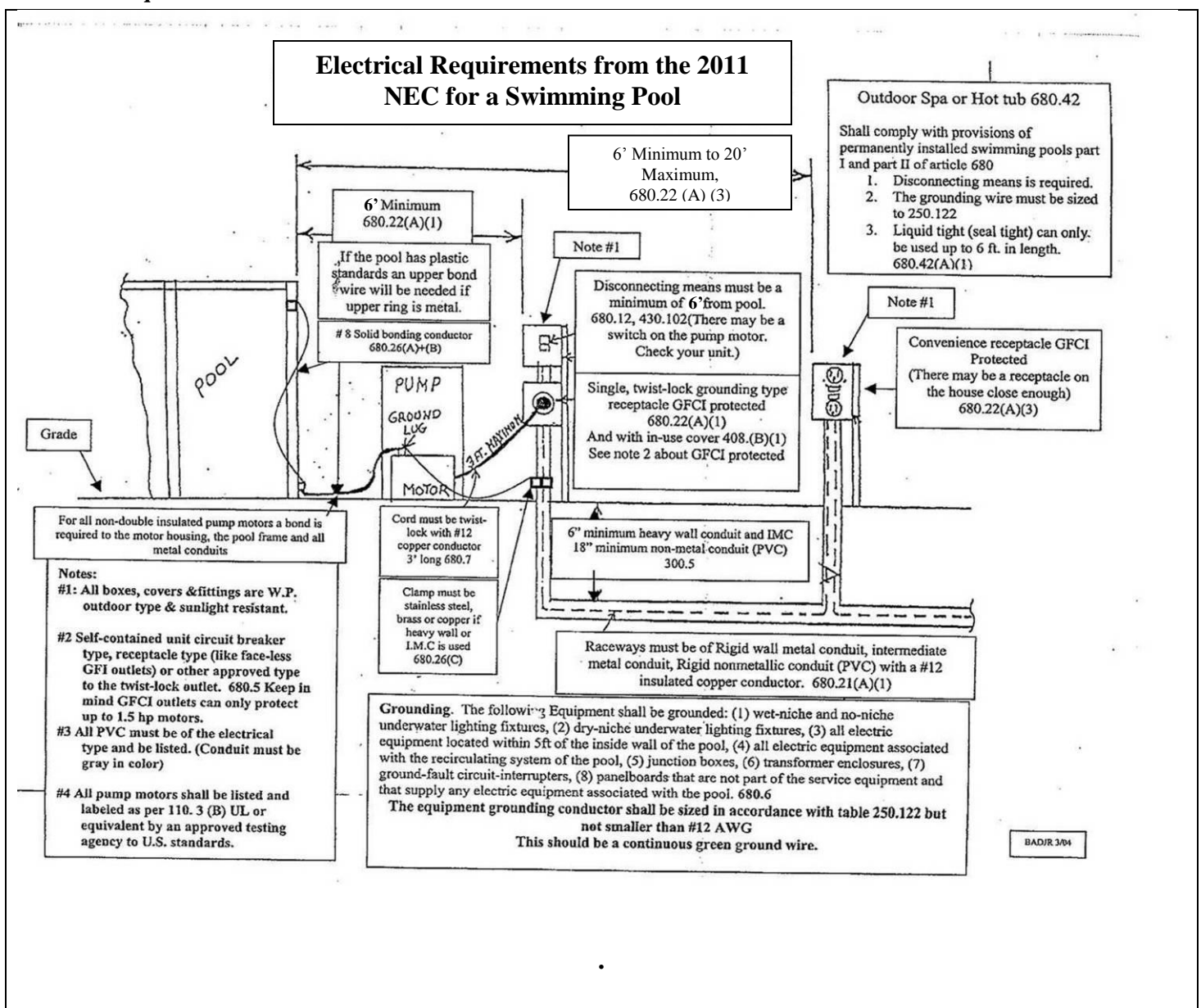
Office Use Only		<div style="border: 1px solid black; padding: 5px; text-align: center;">           Status Sticker OFFICIAL USE ONLY         </div>
Application Date:		
Received By:		
Permit #:		
		<b>Cost of Permit: \$80.00</b>

Use this form and checklist as you plan your pool to ensure that you include all information needed to review your application.

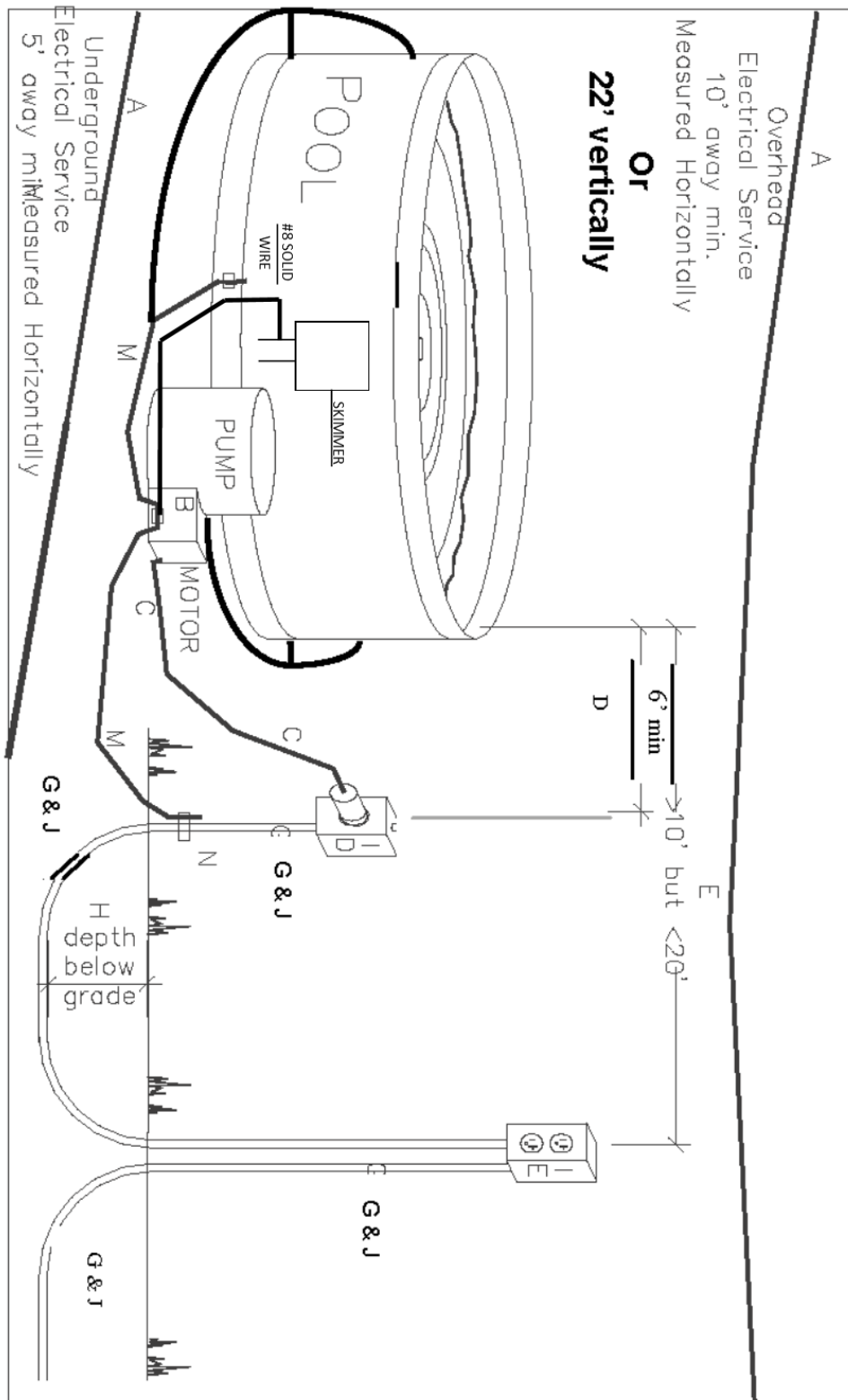
Requirements for All Pools		✓ to confirm that you have shown ...	Office Use
You shall submit a Plat of Survey or scaled plot plan which shows all structures on the lot, including the home, decks, porches, sheds, garages, pools, gazebos, etc. The structures shall be drawn to scale, labeled, and dimensioned.		all structures	
The location of the proposed pool shall be shown. It shall be labeled and dimensioned.		the proposed pool	
The pool may only be located in the rear yard.		the pool located in a rear yard	
The pool shall be not less than 10' horizontally from any overhead utility lines and 22.5' from top of water level in any direction.		The distance to each utility line	
Show all utility lines on Plat of Survey.		Overhead _____ Buried _____	
The pool may not be on an easement, except with the written permission of the Village and all utility companies having rights to the easement. (See 'Understanding Your Plat of Survey Handout & Easement Sign-Off Handout')		the pool not located on any easement	
The pool shall be not less than five (5) feet from any buried electric, telephone or cable line.		the distance to each buried line	
The pool shall have either a protective fence with a locking ladder attached to it or the yard shall be fully enclosed with a fence not less than four (4) feet in height with a self locking gate, that opens outward from the pool. (See attached illustrations).		the fence and fence height	
In total, no more that 50% of the property can be covered with building, structures, or pavement.		Lot coverage: _____%	
Requirements for Pools that are not Attached to the Home via a Structure		✓ to confirm that you have shown ...	Office Use
The pool shall be not less than ten (10) feet from the nearest point on the home.		the distance from the home	
The pool shall be not less than ten (10) feet from the nearest structure attached to the home (such as a deck or balcony).		the distance to all structures attached to the home	
The pool shall be not less than five (5) feet from any freestanding structure (such as a shed or detached garage).		the distance to each freestanding structure (s)	
The pool shall be not less than five (5) feet from each side property line.		the distance to each side property line	
The pool shall be not less than ten (10) feet from the rear property line or what is shown on the property survey. <i>However, if the property is zoned R-5A (Hampton Park, Poplar Ridge &amp; Honey tree Unit 5) the pool shall be at least 7 feet to the rear property line.</i>		the distance to the rear property line	

Requirements for Pools that are Attached to the Home Via a Structure, Such as a Deck or Balcony	✓ to confirm that you have shown ...	Office Use
The pool shall meet all principal structure setbacks set out in the Zoning Ordinance. <i>(After determining the Zoning District, check side &amp; rear setbacks in the Zoning Ordinance – available at the Village Hall Annex.)</i>	the distance to the side and rear property lines	
The pool shall be setback not less than 10 feet from any freestanding structure, such as a detached garage or shed.	the distance to all freestanding structures	
All pools that adjoin a deck, which is attached to the house, shall have an audible alarm on the exterior door that exits to the deck.		

## Electrical requirements



## Electrical Requirements continued...



## **Construction Requirements (PLEASE INITIAL):**

# **PERMANENTLY INSTALLED SWIMMING POOL CHECK LIST TO THE 2011 NEC**

1. \_\_\_\_ Is there an underground conductor within 5' horizontally from the inside wall of the swimming pool? If so, the conductor shall be rigid metal conduit, intermediate conduit, or rigid nonmetallic conduit and shall be buried to the depth not less than that required by table 680.10.
2. \_\_\_\_ Is there an overhead electrical conductors in the area extending not less than 10 ft. horizontally from the inside wall of the swimming pool and 22.5' up from the top of the water level? 680.8
3. \_\_\_\_ Is the pump motor third party listed to U.S. standards with a label for swimming pool motor? (UL1081 is the standard) 110.3 (B)
4. \_\_\_\_ Listed package swimming pool equipment assemblies or self contained swimming pool utilizing a factory installed or assembled control panel or panel board shall be permitted to use flexible connections as covered in article 680.42 (A).
5. \_\_\_\_ Bonding metal to metal on a common frame or base shall be permitted. The metal bonds or hoops use to secure wooden staves shall not be required to be bonded as required in article 680.26.
6. \_\_\_\_ Is there a GFCI general purpose outlet on a general purpose circuit 6' from swimming pool and not more than 20'? 680.22 (A) (3)
7. \_\_\_\_ Is there a disconnecting switch located at least 5' from the inside wall or the swimming pool? 680.12
8. \_\_\_\_ Is the raceway rigid heavy wall metal conduit, intermediate metal conduit, rigid nonmetallic conduit, or PVC and listed for electrical use? 680.21 (A) (1) 110.3 (b)
9. \_\_\_\_ Is the raceway buried to the correct depth? RMC and IMC shall be not less than 6 inches below grade and PVC to be not less than 18 inches below grade (300.5 and Table 300.5). A PVC buried raceway shall be terminated at grade and continue above grade with a raceway that is rigid heavy wall metal conduit or intermediate conduit.
10. \_\_\_\_ There shall be a minimum #12 green wire installed in the raceway 680.21 (A) (1). The wire shall be green in color. 250.119
11. \_\_\_\_ A grounding conductor shall pick up all junction boxes, light fixtures, pump motors, transformer enclosures, devices like (switches, outlets, etc).
12. \_\_\_\_ Is there a grounding conductor between panel boards that are not part of the service equipment sub panels and that supply any electric equipment associated with the swimming pool (Article 680.25)? The wire shall be sized in accordance with table 250.122 and be insulated.
13. \_\_\_\_ The bonding conductor shall be a solid #8 copper wire (Bare conductor is OK). This wire shall pick up a swimming pool frame (upper and lower ring if metal) and pump motor, hot tub or spa heater (if one) and RMC or IMC piping, and any metallic part within 5' of a swimming pool (Article 680.26 (B) (1) (2) (3) (4) and (5)).
14. \_\_\_\_ Is the bonding conductor connection installed with a stainless steel, brass, or copper clamp? Zinc parts are not allowed article 680.26(B).
15. \_\_\_\_ Double insulated pump motors do not have to be bonded with a solid #8, but shall have a #12 green wire to them.
16. \_\_\_\_ If RNC or PVC is used with RNC or PVC boxes, these items shall be listed for electrical and sunlight resistance. A support and expansion fitting may be needed (Article 352 no plumbing type pipes shall be allowed).
17. \_\_\_\_ If a gas heater is installed for a swimming pool, the gas pipe line cannot be installed in the same trench as the electrical. (Submit Manufacturer's Heater Manual for review).

<b>Permit &amp; Inspection Requirements</b> <i>Please read the requirements and place a ✓ in the box to the left to confirm that you understand.</i>	<b>Office Use</b>
<div data-bbox="115 281 1401 394"> <input type="checkbox"/> The Building Permit shall be posted in the building's window where it can be seen from the street.  Each phase of construction shall be inspected and approved by the Village of Romeoville prior to proceeding to the next stage of construction. </div> <div data-bbox="115 405 1401 814"> <input type="checkbox"/> • A pre-pool setback location inspection is required prior to an approval of the permit.  <input type="checkbox"/> • An underground electrical inspection is required before the trench can be backfilled.  <input type="checkbox"/> • If a pool heater is installed, an underground gas pipe inspection is required.  <input type="checkbox"/> • A final inspection shall be performed after all the electric work has been completed.  <input type="checkbox"/> • All inspections shall be scheduled 72 hours in advance by calling (815)886-7200 or by emailing <a href="mailto:buildinginspections@romeoville.org">buildinginspections@romeoville.org</a>. Your permit number shall be provided when inspections are scheduled.  <input type="checkbox"/> • Failure to call for required inspections may result in a <b>"STOP WORK ORDER"</b>.  <input type="checkbox"/> • Should you fail an inspection, a re-inspection fee (\$50.00) shall be paid before continuing work and before scheduling another inspection. (If multiple failures occur, additional fines will be incurred). <b>INVOICED AFTER 5 DAYS.</b> </div> <div data-bbox="115 825 1401 919"> <input type="checkbox"/> • <b>A FINAL INSPECTION SHALL BE PERFORMED AFTER THE POOL HAS BEEN COMPLETED.</b> Once the inspection passes, a Certificate of Completion will be issued. The pool may not be used until the Certificate of Completion has been issued. </div> <div data-bbox="115 930 1401 1003"> <input type="checkbox"/> The project shall start within ninety (90) days from the date the permit is issued and completed within one hundred and eighty (180) days. </div>	

I hereby declare that I have read and understood this application. The above information and any attachments are correct. I agree, that in consideration of and upon issuance of a building or use permit, that I am allowed to do such work as herewith applied for, and that such premises shall be used only for such purposes as set forth above.

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the code official or the code official's authorized representative shall have the authority to enter areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit.

Signature of Applicant: \_\_\_\_\_ Date: \_\_\_\_\_

**This Page for Office Use Only**

Approval &amp; Review Status

Building	Date Plans Received	
	Plans Examiner	
	Date Plans Approved	
	Plans Approved By	

Planning:	Date Plans Received	
	Plans Examiner	
	Date Plans Approved	
	Plans Approved By	

Clerical	Check for Outstanding Debt:	
	Contacted Date:	
	Person Contacted:	
	Contacted By:	

Notes	
-------	--



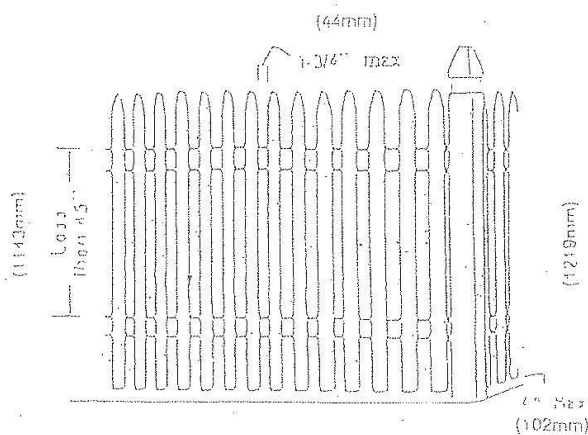


FIG. A IF HORIZONTAL MEMBERS ARE LESS THAN 45\"/>

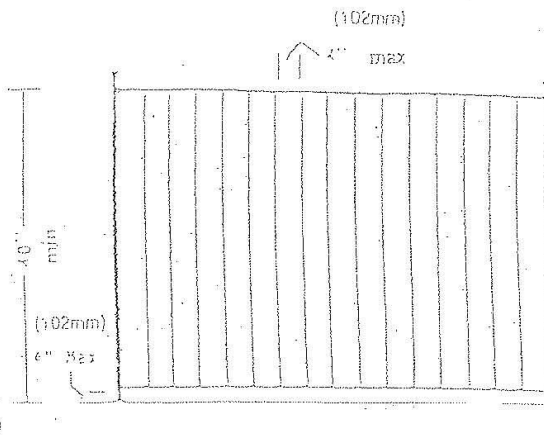


FIG. B IF HORIZONTAL MEMBERS ARE EQUAL TO OR MORE THAN 45\"/>

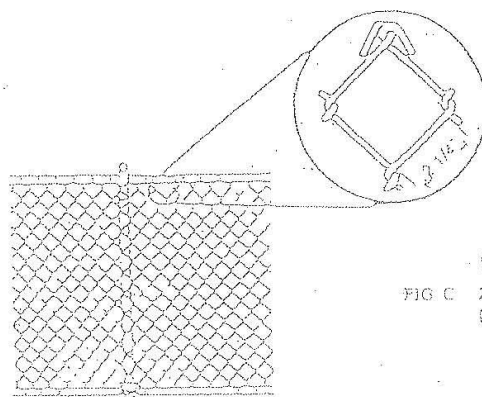
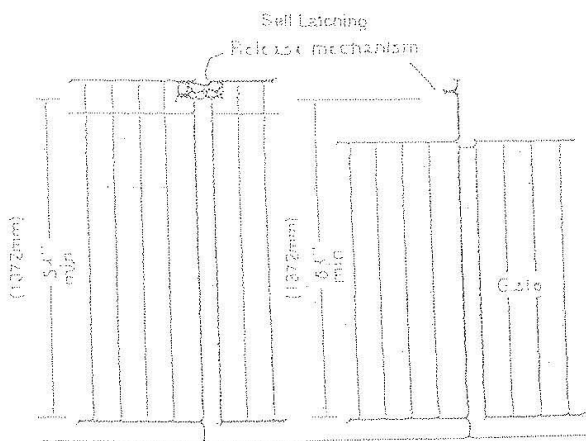
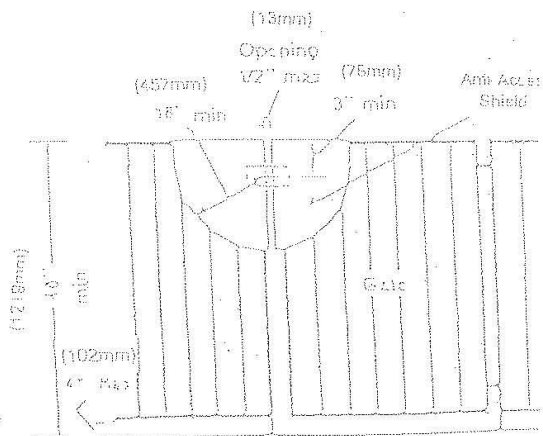


FIG. C 2 1/4\"/>



RELEASE MECHANISM LOCATED AT 54\"/>



RELEASE MECHANISM LOCATED LESS THAN 54\"/>

FIG. D LATCH RELEASE MECHANISM



### 680.8 Overhead Conductor Clearances

Overhead conductors shall meet the clearance requirements in this section. Where a minimum clearance from the water level is given, the measurement shall be taken from the maximum water level of the specified body of water.

(A) **Power** With respect to service drop conductors and open overhead wiring, swimming pool and similar installations shall comply with the minimum clearances given in Table 680.8 and illustrated in Figure 680.8.

Table 680.8 Overhead Conductor Clearances

Clearance Parameters	Insulated Cables, 0-750 Volts to Ground, Supported on and Cabled Together with an Effectively Grounded Bare Messenger or Effectively Grounded Neutral Conductor		All Other Conductors Voltage to Ground			
			0 through 15 kV		Over 15 through 50 kV	
	m	ft	m	ft	m	ft
A. Clearance in any direction to the water level, edge of water surface, base of diving platform, or permanently anchored raft	6.9	22.5	7.5	25	8.0	27
B. Clearance in any direction to the observation stand, tower, or diving platform	4.4	14.5	5.2	17	5.5	18
C. Horizontal limit of clearance measured from inside wall of the pool	This limit shall extend to the outer edge of the structures listed in A and B of this table but not to less than 3 m (10 ft).					

FPN: Open overhead wiring as used in this article typically refers to conductor(s) not in an enclosed raceway.

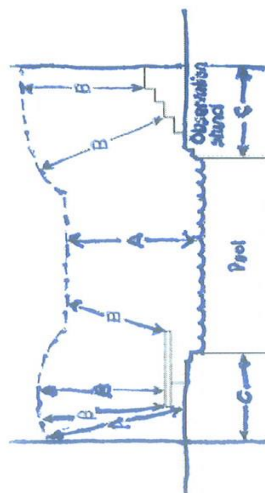


Figure 680.8 Clearances from Pool Structures.

- (B) **Communications Systems** Communication, radio, and television coaxial cables within the scope of Articles 800 through 820 shall be permitted at a height of not less than 3.0 m (10 ft) above swimming and wading pools, diving structures, and observation stands, towers, or platforms.
- (C) **Network-Powered Broadband Communications Systems** The minimum clearances for overhead network-powered broadband communications systems conductors from pools or fountains shall comply with the provisions in Table 680.8 for conductors operating at 0 to 750 volts to ground.
- Service drop conductors, conductors of network-powered broadband communications systems, and aerial feeders and branch circuits are permitted to be located above a swimming pool and associated pool structures where provided with the clearances specified in Table 680.8. Overhead conductors of communications systems are required to comply with 680.8(B). These clearances consider such factors as the use of skimmers with aluminum handles and provide sufficient separation between the conductors and the pool. In some instances, locating a swimming pool below electric conductors is unavoidable, for example, on a building lot with limited area or an existing lot where the electric supply lines are already in place. The clearances for conductors from pools and pool structures were increased in the 1999 *Code* to harmonize the *NEC* with ANSI C2, *National Electrical Safety Code (NESC)*. The maximum water level of the body of water (pool, spa, hot tub, or other) is used to determine compliance with 680.8. For the definition of maximum water level, see 680.2.

## GAS POOL HEATERS

