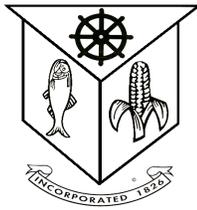


*Town of Madison*  
*Connecticut*  
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## Swimming Pool Inspection Checklist

### Permit Number

Y	N		Code Reference																
		<b>Permits and Plans</b>																	
<input type="checkbox"/>	<input type="checkbox"/>	Job Address is posted in a visible location	R321																
<input type="checkbox"/>	<input type="checkbox"/>	Permit and Approved plans are on site and accessible to the inspector	R106.3.1 & R105.7																
<input type="checkbox"/>	<input type="checkbox"/>	Permit Information is correct and in Description of Work is correct	R106.1.1																
<input type="checkbox"/>	<input type="checkbox"/>	Are Special Inspections are needed on this location	R109.2 & R401.4																
<input type="checkbox"/>	<input type="checkbox"/>	Location identified in a Flood Hazard Area w/additional construction requirements	R109.1.3 & R323																
		<b>Location on Property</b>	Code Reference																
<input type="checkbox"/>	<input type="checkbox"/>	Pool is not located within setback areas																	
		<b>Electrical Wiring and Bonding</b>	Code Reference																
<input type="checkbox"/>	<input type="checkbox"/>	No receptacles within 10' of pool edge. (5' for pool equipment receptacle)	IRC E4103.1.1																
<input type="checkbox"/>	<input type="checkbox"/>	At least one GFCI convenience receptacle between 10'-20' from pool	IRC E4103.1.2																
<input type="checkbox"/>	<input type="checkbox"/>	Convenience receptacle and pool pump "CANNOT" be on same circuit	IRC E3602.3																
<input type="checkbox"/>	<input type="checkbox"/>	Pump receptacle within 10' of pool edge shall be GFCI Locking type (except if hardwired)	IRC E4103.1.1																
<input type="checkbox"/>	<input type="checkbox"/>	Pump receptacle grounding conductor not less than #12 AWG, Insulated	IRC E4105.5																
<input type="checkbox"/>	<input type="checkbox"/>	All 125V/15-20A are to be less than 78" from ground and GFCI	IRC E4103.1.2																
<input type="checkbox"/>	<input type="checkbox"/>	Existing Light fixtures < 5' from pool shall be 5' above water and GFCI	IRC E4103.4.3																
<input type="checkbox"/>	<input type="checkbox"/>	All light fixtures 5'-10' from pool shall be GFCI unless 5' above water	IRC E4103.4.5																
<input type="checkbox"/>	<input type="checkbox"/>	Switches shall be not less than 5' horizontally from pool except when behind barrier	IRC E4103.2																
<input type="checkbox"/>	<input type="checkbox"/>	Maximum flex cord length is 3' (20A or less) w/ #12 equip. bonding conductor, except for underwater lighting fixtures	IRC E4102.2.1																
<input type="checkbox"/>	<input type="checkbox"/>	<table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left;"><u>Wiring Method</u></th> <th style="text-align: center;"><u>Type</u></th> <th style="text-align: left;"><u>Burial Depths</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Rigid Metal Conduit</td> <td style="text-align: center;">MC</td> <td>not less than 6"</td> <td style="text-align: center;">IRC E4102.2.1</td> </tr> <tr> <td>Intermediate Metal Conduit</td> <td style="text-align: center;">IMC</td> <td>not less than 6"</td> <td style="text-align: center;">Tbl. E 4103.6</td> </tr> <tr> <td>Rigid Non-Metallic Conduit</td> <td style="text-align: center;">NMC</td> <td>not less than 18"</td> <td></td> </tr> </tbody> </table>	<u>Wiring Method</u>	<u>Type</u>	<u>Burial Depths</u>		Rigid Metal Conduit	MC	not less than 6"	IRC E4102.2.1	Intermediate Metal Conduit	IMC	not less than 6"	Tbl. E 4103.6	Rigid Non-Metallic Conduit	NMC	not less than 18"		
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Intermediate Metal Conduit	IMC	not less than 6"	Tbl. E 4103.6																
Rigid Non-Metallic Conduit	NMC	not less than 18"																	
<input type="checkbox"/>	<input type="checkbox"/>	<b><u>Bonding required: #8 AWG solid copper for the following</u></b> Structural reinforcing steel (rebar) of the concrete pool Walls of bolted or welded metal pools All metallic parts of pool structure All fixed metal parts within 5' horizontally from pool edge All pump motor, filter casings and other metal electrical equip. related to pool	IRC E4104.1.4																



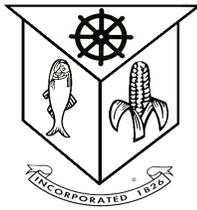
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## Swimming Pool Inspection Checklist

**Permit Number**

<b>Barrier for Pool Area</b>		Code Reference
<input type="checkbox"/>	<input type="checkbox"/> 1 Barrier (fence, pool wall, ect.) shall not be less than 48" above grade and start at a maximum of 2" above grade at bottom of barrier	AG 105.1 # 1
<input type="checkbox"/>	<input type="checkbox"/> 2 Openings shall not allow passage of a 4" diameter sphere	AG105.2 # 2
<input type="checkbox"/>	<input type="checkbox"/> 3 No indentations/protrusions in solid barrier walls, such as Masonry or Stone Walls	AG105.2 # 3
<input type="checkbox"/>	<input type="checkbox"/> 4 <b><u>When a Barrier is composed of Horizontal and Vertical Members &lt; 45' apart</u></b> a The horizontal members shall be located on the pool side and vertical members shall not exceed 1-3/4" in width b If there are vertical cutouts within vertical members, cutout width shall not exceed 1-3/4"	AG105.2 # 4
<input type="checkbox"/>	<input type="checkbox"/> 5 <b><u>If a Barrier is composed of Horizontal and Vertical Members &gt; 45' apart to top</u></b> a Spacing between vertical members shall not exceed 4" b If there are vertical cutouts within vertical members, cutout width shall not exceed 1-3/4"	AG105.2 # 5
<input type="checkbox"/>	<input type="checkbox"/> 6 Maximum mesh size for chain link fence shall be 2-1/4" square unless the fence is slats fastened at the top and bottom which reduces opening to not more than 1-3/4"	AG105.2 # 6
<input type="checkbox"/>	<input type="checkbox"/> 7 Maximum diagonal openings (lattice w/slats, ect.) are 1-3/4"	AG105.2 # 7
<input type="checkbox"/>	<input type="checkbox"/> 8 Safety Glazing (on pool side) is required in walls and fences enclosing pools that are are both within 5' horizontal and 5' vertical of a walking surface (IRC 2003)	R308.4 # 9
<input type="checkbox"/>	<input type="checkbox"/> 9 Removable or fixed ladder or steps require a barrier which meets all items above 1-8 Where an above-ground, on-ground or in-ground pool structure is used as a barrier or where the barrier is mounted on top of pool structure, and the means of access is a ladder or steps, then the steps shall be surrounded by a barrier which meets the requirements of items 1-9	AG 105.6 # 10 Ct. Sup. 105.2
<input type="checkbox"/>	<input type="checkbox"/> Barriers mounted on top of pool structures require < or 4" maximum from bottom of barrier to top pool surface	AG 105.2 # 1

<b>Access Gates</b>		Code Reference
<input type="checkbox"/>	<input type="checkbox"/> Gate material shall comply with Items 1-8 above	AG 105.2 # 8
<input type="checkbox"/>	<input type="checkbox"/> All gates shall be equipped to accommodate a locking device	AG 105.2 # 8
<input type="checkbox"/>	<input type="checkbox"/> Pedestrian access gates shall open outward away from pool	AG 105.2 # 8
<input type="checkbox"/>	<input type="checkbox"/> Pedestrian access gates shall be self closing and self latching	AG 105.2 # 8
<input type="checkbox"/>	<input type="checkbox"/> Other access gates shall self-closing and self-latching device	AG 105.2 # 8
<input type="checkbox"/>	<input type="checkbox"/> When the release mechanism or the self latching device is located < 54" from the <u>bottom of the gate</u> , the release mechanism shall be located on the pool side, at least 3" below the top of the gate, and the gate and barrier shall have no openings > 1/2" within 18" of the release mechanism	AG 105.2 # 8



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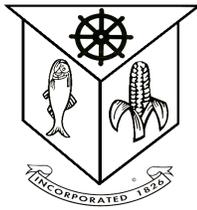
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<b>Doors Providing Access to Pool Enclosure- Home, Patio, garage, Ect.</b>	Code Reference
<b>( use only ONE option )</b>	

- |                          |                          |  |                  |
|--------------------------|--------------------------|--|------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Option #1:</b> Be equipped with an audible that operates when the door and its screen, if present, are opened. The alarm SHALL  | AG 105.2 # 8     |
| <input type="checkbox"/> | <input type="checkbox"/> | a Commence < 7 seconds after the door/screen is opened and shall sound continuously for a minimum of 30 seconds  | AG 105.2.9 # 9.2 |
| <input type="checkbox"/> | <input type="checkbox"/> | b Be capable of being heard throughout the house during normal activities  |                  |
|                          | <input type="checkbox"/> | c Automatically reset under all conditions   |                  |
| <input type="checkbox"/> | <input type="checkbox"/> | d Be equipped with manual means (touchpad's, switches) located at least 54" above the door threshold to deactivate the alarm for not more than 15 seconds when opening the door/screen from either direction   |                  |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Option #2:</b> Be equipped with a power safety cover capable, when closed, of holding 485 lbs and SHALL:  | AG 105.2.9 # 9.1 |
| <input type="checkbox"/> | <input type="checkbox"/> | a Not have openings of > 4-1/2" and shall drain standing water   |                  |
| <input type="checkbox"/> | <input type="checkbox"/> | b Have a permanently installed, key operated, control switch (spring loaded or momentary contact type) that, when released, changes direction immediately. The switch shall be in the line of sight of the complete pool cover<br>Pool Alarms are still required even with Safety Covers installed |                  |
| <input type="checkbox"/> | <input type="checkbox"/> | c <b>Option #3:</b> 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 must open away from pool area   | AG 105.2.9 # 9.3 |

<b>2009 CT Amendments</b>	Code Reference
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- |                          |                          |   |            |
|--------------------------|--------------------------|---|------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Suction Fittings:</b> all pool and spa suction outlets shall be provided with a cover that conforms with ASME/ANSI A112.19.8M-2007 or an approved channel drain system<br><i>Exception:</i> Surface Skimmers   | AG 106.2   |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Fitting Maintenance:</b> Any pool, spa or hot tub with a broken, loose or missing suction outlet cover shall be immediately place out of service until repairs are completed and approved  | AG 106.2.1 |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Atmospheric vacuum relief system required:</b> All pool and spa single or multiple outlet circulation systems other than pools equipped only with surface skimmers shall be equipped with atmospheric vacuum relief. Such vacuum relief systems shall include at least one approved or engineered method of the type specified as:<br>1) Safety vacuum release system conforming to ASME 112.19.17 or<br>2) An approved gravity drainage system operating through a surge tank | AG 106.2.3 |
| <input type="checkbox"/> | <input type="checkbox"/> | <b>Dual drain separation:</b> Single or multiple pump circulation systems shall be provided with a minimum of two (2) suction outlets of the approved type. A minimum horizontal or vertical distance of three (3) feet shall separate such outlets. The separation distance shall be measured from the near point of opening to near point of opening  | AG 106.2.3 |



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These suction outlets shall be piped so that the water is drawn through them simultaneously, distributed as evenly as possible, through a vacuum relief protected line to the pump or pumps

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### **Pool Alarms**

CT Supplement 05  
AG 105.7

Any new or substantial alteration or a residential pool MUST have an alarm that emits a sound of at least 50 decibels when a person or an object weighing 15 lbs or more enters the water in a pool.