

ELECTRICAL INSPECTION CHECKLIST

Swimming Pools and Related Installations

Date: _____ Inspector: _____

Location: _____

Comments: _____

PERMANENTLY INSTALLED SWIMMING POOLS—ARTICLE 680, PARTS I AND II CHECKLISTS

Initial Inspection: Before Concrete or Burial				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the applicability of Article 680.	680.1, 680.2	
	2.	Check overhead conductor clearances for conformance with requirements.	680.8	
	3.	Check underground wiring for suitability, clearances from pool, and minimum cover requirements.	680.10	
	4.	Check underwater luminaires for locations, wiring methods, and connections to wiring methods.	680.23	
	5.	Check pool-related equipment for appropriate wiring methods.	680.21, 680.23(F)	
	6.	Check junction boxes and enclosures connecting to underwater luminaires for listing and labeling, appropriate size and location, and proper materials.	680.24	
	7.	Check forming shells and wiring methods for underwater audio equipment.	680.27	
	8.	Verify that metal parts of pools and other nearby electrical equipment and metal parts are bonded to an appropriate common bonding grid, using appropriate methods.	680.26, 680.21(B)	

Swimming Pools and Related Installations

Intermediate and Final Inspections				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Check pool equipment for suitability for approval.	680.4, 110.3(A) and (B)	
	2.	Check transformers and GFCIs for identification and suitability for the purpose.	680.23(A)(2)	
	3.	Verify that conductors on the load side of GFCIs are separated from conductors not protected by GFCIs.	680.23(F)(3)	
	4.	Verify that general-use receptacles are not located within 10 ft (3 m) of pool walls and that all receptacles within 20 ft (6 m) of pool walls are GFCI protected.	680.22(A)(5) and (6)	
	5.	Verify that any receptacles between 5 ft and 10 ft (1.5 m and 3.0 m) of pool walls are used for pool equipment, are single, grounding, locking types, and are GFCI protected.	680.22(A)(1)	
	6.	Verify that at least one GFCI receptacle on a general-purpose branch circuit is installed between 10 ft and 20 ft (3 m and 6 m) of pool walls at dwelling units.	680.22(A)(3)	
	7.	Verify that luminaires and ceiling fans are located so that required clearances are maintained.	680.22(B)	
	8.	Verify that luminaires and ceiling fans are GFCI protected where GFCI protection is required.	680.22(B)(4)	
	9.	Verify that switches are located at least 5 ft (1.5 m) from pool walls or separated from the pool by a permanent barrier.	680.22(C)	
	10.	Verify that pool motors rated up to 20 A at 125 or 240 V and connected through receptacles are protected by GFCIs.	680.22(A)(1)	
	11.	Check flexible cords (where used) for compliance with equipment grounding conductor requirements and length limitations.	680.7	
	12.	Check underwater luminaires for locations, wiring methods, and connections to wiring methods.	680.23	
	13.	Check pool-related equipment for appropriate wiring methods.	680.21(A)	
	14.	Check junction boxes and enclosures connecting to underwater luminaires for listing and labeling, appropriate size and location, and proper materials.	680.24	
	15.	Check forming shells and wiring methods for underwater audio equipment.	680.27	

Swimming Pools and Related Installations

Intermediate and Final Inspections (cont'd)				
✓	Item	Inspection Activity	NEC Reference	Comments
	16.	Verify that metal parts of pools and nearby equipment and metal parts are bonded to an appropriate common bonding grid, using appropriate methods.	680.26	
	17.	Verify that all equipment required to be grounded is grounded by insulated copper equipment grounding conductors of the proper size.	680.6, 680.21(A)(1), 680.23(F)	
	18.	Verify that a disconnecting means is provided, accessible, located within sight of pool equipment, and not located within 5 ft (1.5 m) of pool walls	680.12, 680.22(C), 430.102	
	19.	Check electric pool heaters for subdivision of heating elements and sizing of branch-circuit conductors.	680.9	
	20.	Check equipment rooms or pits for adequate drainage.	680.11	
	21.	Check electrically operated pool covers for proper motor and controller location, motor enclosure, and GFCI protection.	680.27(B)	
	22.	Check deck-area heaters for suitability and proper clearances from pool.	680.27(C)	

RELATED INSTALLATIONS CHECKLISTS

Storable Swimming Pools				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the applicability of Part III of Article 680.	680.2	
	2.	Verify that cord-connected pool pumps are double insulated and that internal metal parts are grounded through a grounding-type attachment plug.	680.31	
	3.	Verify that all electrical equipment associated with the storable pool is provided with GFCI protection.	680.32	
	4.	Check luminaires for compliance with requirements based on the voltage of the luminaires.	680.33	

Swimming Pools and Related Installations

Spas and Hot Tubs: All Installations				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the applicability of Part IV of Article 680.	680.2	
	2.	Check spa and hot tub equipment for suitability for approval.	680.4, 110.3(A) and (B)	
	3.	Review the checklist for permanent pools for compliance with the applicable provisions of Parts I and II of Article 680 (modified for indoor installations).	680.42	
	4.	Check outlets supplying a self-contained spa or hot tub or a packaged spa or hot tub assembly for integral or separately provided GFCI protection.	680.44	
	5.	Verify compliance with requirements for disconnecting means.	680.12, 680.22(C), 422 Part III	
	6.	Verify that spas or hot tubs in other than single-family dwellings are provided with an emergency shutoff or control switch, as required.	680.41	
	7.	Check electric pool heaters for listing, subdivision of heating elements, and sizing of branch-circuit conductors.	680.9	

Spas and Hot Tubs: Indoor Installations Only				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Verify that a suitable wiring method of Chapter 3 of the NEC is used to supply and connect spas and hot tubs, unless cord and plug connections are permitted.	680.43	
	2.	Verify that at least one GFCI-protected receptacle on a general-purpose branch circuit is located between 5 ft and 10 ft (1.5 m and 3.0 m) of the walls of the spa or hot tub.	680.43(A)	
	3.	Verify that any receptacles used to supply power to a spa or hot tub are GFCI protected.	680.43(A)(3)	
	4.	Verify that luminaires are spaced as required from spa or hot tub walls and above maximum water level and that GFCI protection is provided, as required.	680.43(B)	
	5.	Verify that wall switches are located at least 5 ft (1.5 m) from the inside walls of the spa or hot tub.	680.43(C)	
	6.	Verify that all parts that are required to be grounded or bonded are grounded or bonded using appropriate methods.	680.43(D), (E), and (F)	
	7.	Check underwater audio equipment for compliance with Part II.	680.43(G)	

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Hydromassage Bathtubs				
✓	Item	Inspection Activity	NEC Reference	Comments
	1.	Review definitions and determine the applicability of Part VII of Article 680.	680.2, 680.70	
	2.	Check hydromassage bathtub equipment for suitability for approval.	110.3(A) and (B)	
	3.	Check hydromassage bathtub equipment for GFCI protection.	680.71	
	4.	Check other electrical equipment in the same room as a hydromassage bathtub for compliance with the ordinary rules of Chapters 1 through 4 of the NEC.	680.72	
	5.	Verify that hydromassage bathtub equipment is accessible without damaging the building structure or finish.	680.73	
	6.	Verify that metal parts required to be bonded are connected together with a minimum 8 AWG solid copper bonding jumper.	680.74	