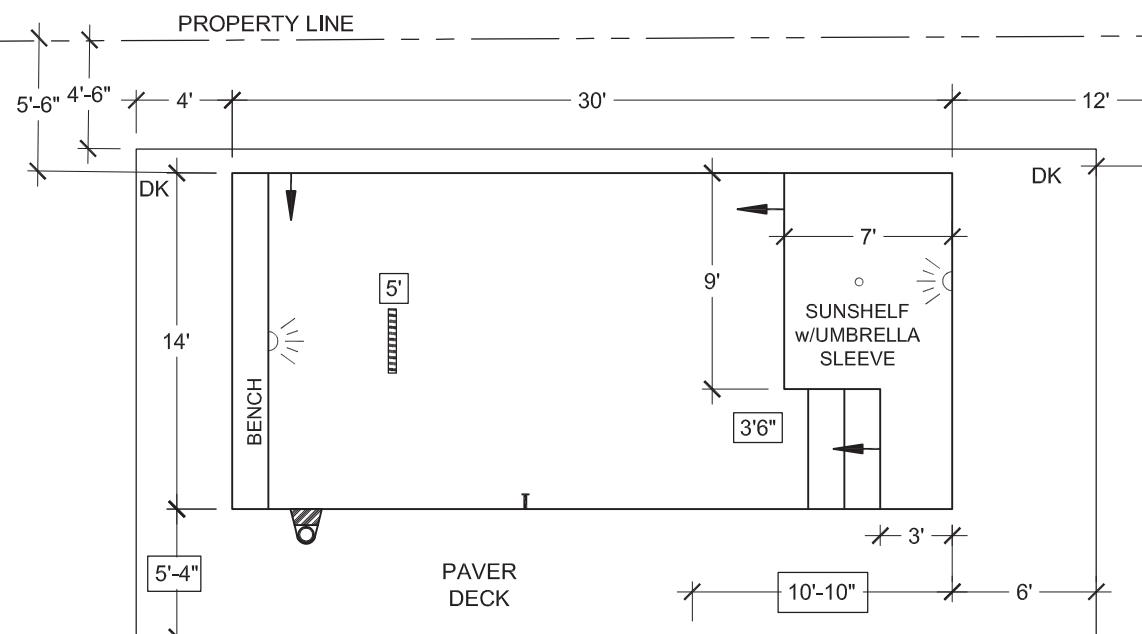
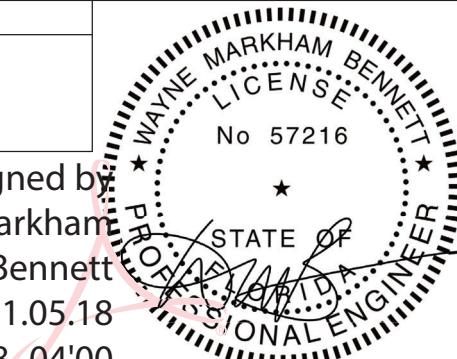
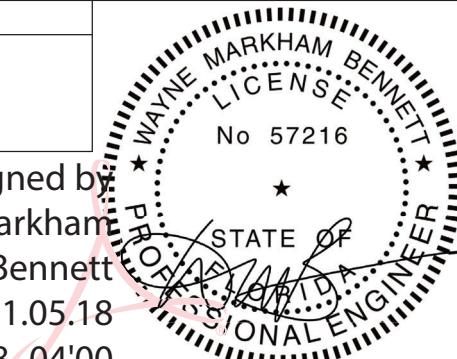
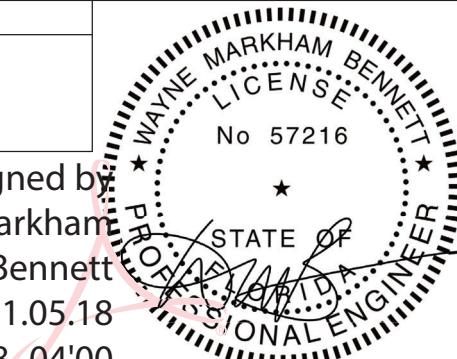
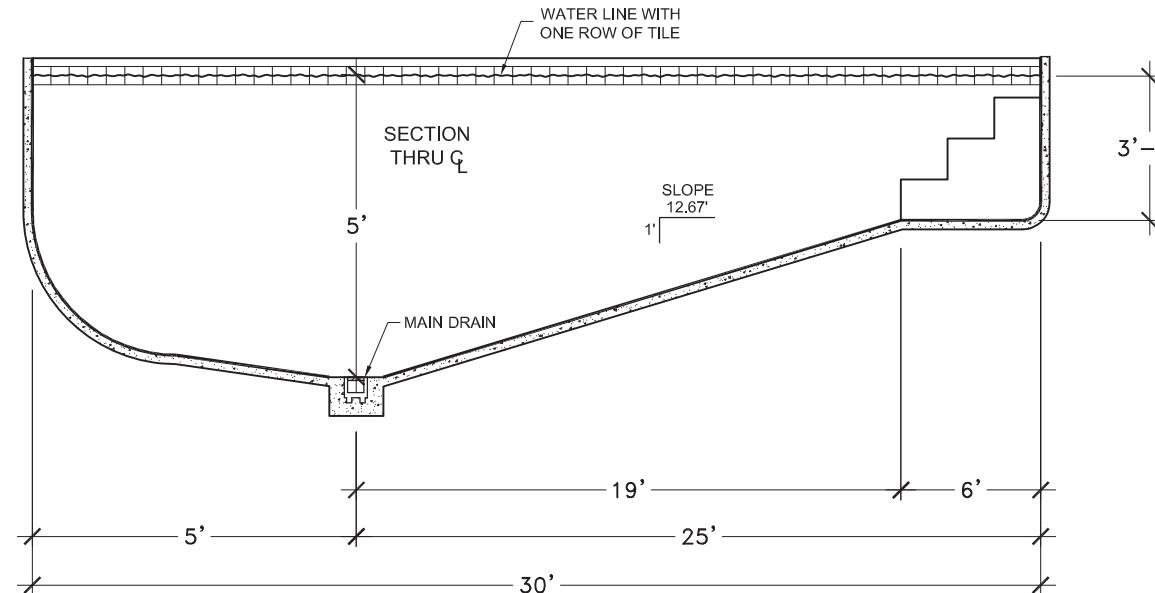
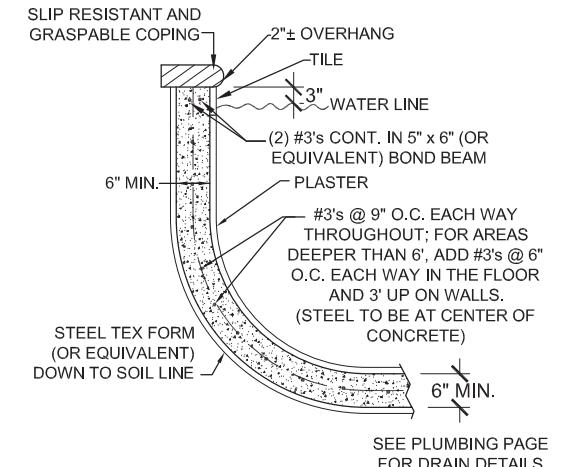
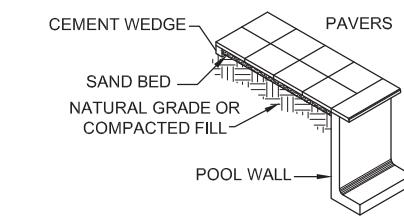


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|--|---|---|---|---|---|---------------------------------|---------------------------|--|------------------------------|----------------|--------------|--|--|
| <div style="text-align: center;">  NORTH </div> <p>SCALE: 1/8" = 1'</p> <p>EQUIP & PAD (SEE EQUIPMENT PAD NOTES ON SHEET 4) (EXACT LOCATION TO BE VERIFIED)</p> <p>POOL EQUIP. & PAD LANDSCAPE PER CODE (MIN. 24" HIGH AND 2' ON CENTER AT TIME OF PLANTING), WILL BE MAINTAINED AT 6" ABOVE POOL EQUIPMENT</p> <p>LEGEND</p> <ul style="list-style-type: none"> ◆ LIGHT ○ UMBRELLA SLV --- CHANNEL DRAIN ■ SKIMMER ■ VACUUM LINE → WALL INLET | <p style="text-align: center;">NO COPING TO EXCEED ELEVATION OF HOUSE</p>  <p style="text-align: center;">RESIDENCE</p> | | | | | | | | | | | | |
| SPECIFICATIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">POOL SIZE: 14' x 30'</td> <td style="width: 50%;">POOL DEPTH: 3'-6" x 5'</td> </tr> <tr> <td>PERIMETER: 88'</td> <td>VOLUME (GALLONS): 11900</td> </tr> <tr> <td>TURNOVER RATE: 5.6 HRS±</td> <td>SURFACE AREA SQ. FT.: 420</td> </tr> </table> | | POOL SIZE: 14' x 30' | POOL DEPTH: 3'-6" x 5' | PERIMETER: 88' | VOLUME (GALLONS): 11900 | TURNOVER RATE: 5.6 HRS± | SURFACE AREA SQ. FT.: 420 | | | | | | |
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| POOL EQUIPMENT <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">POOL PUMP #1 TYPE: JANDY</td> <td style="width: 50%;">NICHELESS LIGHT: 1</td> </tr> <tr> <td>POOL PUMP #1 SIZE: 3/4 HP</td> <td>LED POOL LIGHT: 1</td> </tr> <tr> <td>POOL FILTER #1 TYPE: 150 SQ.FT.</td> <td>SALT GENERATOR: YES</td> </tr> <tr> <td>SKIMMER: 1</td> <td>SUCTION LINE W/VAC LOCK: YES</td> </tr> <tr> <td colspan="2">WALL INLETS: 3</td> </tr> </table> | | POOL PUMP #1 TYPE: JANDY | NICHELESS LIGHT: 1 | POOL PUMP #1 SIZE: 3/4 HP | LED POOL LIGHT: 1 | POOL FILTER #1 TYPE: 150 SQ.FT. | SALT GENERATOR: YES | SKIMMER: 1 | SUCTION LINE W/VAC LOCK: YES | WALL INLETS: 3 | | | |
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| SKIMMER: 1 | SUCTION LINE W/VAC LOCK: YES | | | | | | | | | | | | |
| WALL INLETS: 3 | | | | | | | | | | | | | |
| FINISH ITEMS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">COPING: DECK MATERIAL</td> <td style="width: 50%;">DECK TYPE: PAVER</td> </tr> <tr> <td>TILE: STANDARD</td> <td>DECK SQ. FT: 350±</td> </tr> <tr> <td>INTERIOR FINISH: STANDARD</td> <td>SUNSHelf: YES</td> </tr> <tr> <td colspan="2">BENCH: YES</td> </tr> </table> | | COPING: DECK MATERIAL | DECK TYPE: PAVER | TILE: STANDARD | DECK SQ. FT: 350± | INTERIOR FINISH: STANDARD | SUNSHelf: YES | BENCH: YES | | | | | |
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| TILE: STANDARD | DECK SQ. FT: 350± | | | | | | | | | | | | |
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| BENCH: YES | | | | | | | | | | | | | |
| SPECIAL NOTES <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PILING POOL: NO</td> <td style="width: 50%;">POOL ENCLOSURE: FENCE</td> </tr> <tr> <td>ELECTRIC: BY OTHERS</td> <td></td> </tr> </table> | | PILING POOL: NO | POOL ENCLOSURE: FENCE | ELECTRIC: BY OTHERS | | | | | | | | | |
| PILING POOL: NO | POOL ENCLOSURE: FENCE | | | | | | | | | | | | |
| ELECTRIC: BY OTHERS | | | | | | | | | | | | | |
| EXTRA FEATURES <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100%;">UMBRELLA SLEEVE: (1) ON SUNSHelf</td> </tr> </table> | | UMBRELLA SLEEVE: (1) ON SUNSHelf | | | | | | | | | | | |
| UMBRELLA SLEEVE: (1) ON SUNSHelf | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">REVISIONS</td> <td style="width: 50%; text-align: center;">  Digitally signed by Wayne Markham Bennett Date: 2021.05.18 '09:53:38 -04'00 </td> <td style="width: 25%;">SIGNED ON 05/18/21 Wayne Markham Bennett, P.E. (PE #57216) wayne@wmb-pe.com (954) 818-3825 Markham Services, Inc. (CA 33018) 1820 NE Jensen Bch Blvd, Unit 685 Jensen Beach, FL 34957 If signed digitally above, printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.</td> </tr> </table> | | REVISIONS |  Digitally signed by Wayne Markham Bennett Date: 2021.05.18 '09:53:38 -04'00 | SIGNED ON 05/18/21 Wayne Markham Bennett, P.E. (PE #57216) wayne@wmb-pe.com (954) 818-3825 Markham Services, Inc. (CA 33018) 1820 NE Jensen Bch Blvd, Unit 685 Jensen Beach, FL 34957 If signed digitally above, printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. | | | | | | | | | |
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| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">DATE: 05/12/21</td> <td style="width: 33%;">SHEET 1: PLAN & SPECIFICATIONS</td> <td style="width: 33%;">Signature Pools & Spas, Inc.</td> </tr> <tr> <td colspan="3">1091 N.E. 45 STREET, OAKLAND PARK, FLORIDA 33334 ~ 954-351-2001</td> </tr> <tr> <td colspan="3" style="text-align: right;">BIANCO RESIDENCE 381 S.E. 1 TERRACE POMPANO BEACH 33060</td> </tr> <tr> <td colspan="3" style="text-align: right;">JOB NO. 9501</td> </tr> </table> | | DATE: 05/12/21 | SHEET 1: PLAN & SPECIFICATIONS | Signature Pools & Spas, Inc. | 1091 N.E. 45 STREET, OAKLAND PARK, FLORIDA 33334 ~ 954-351-2001 | | | BIANCO RESIDENCE 381 S.E. 1 TERRACE POMPANO BEACH 33060 | | | JOB NO. 9501 | | |
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| JOB NO. 9501 | | | | | | | | | | | | | |
| LEGAL: LOT 9, BLOCK 6 GARDEN ISLES SECTION 2 | | | | | | | | | | | | | |



A MINIMUM SLOPE FOR DECKING OF $\frac{1}{8}$ INCH PER LINEAR FOOT SHALL BE PROVIDED EXCEPT FOR WOOD DECKING, PER ANSI/NSPI-5 2003 SECTION 7.2.2.1

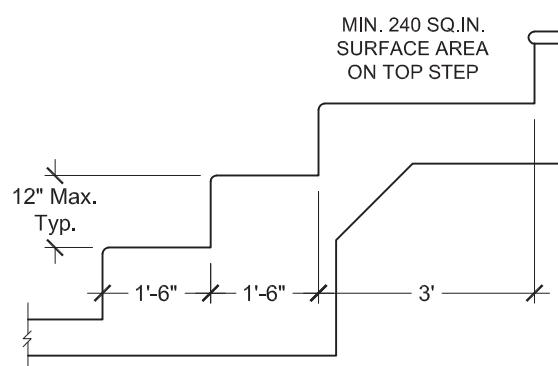


TYPICAL WALL SECTION
N.T.S.

TYPICAL SECTION FOR TYPE O POOL

(DIVING EQUIPMENT PROHIBITED)

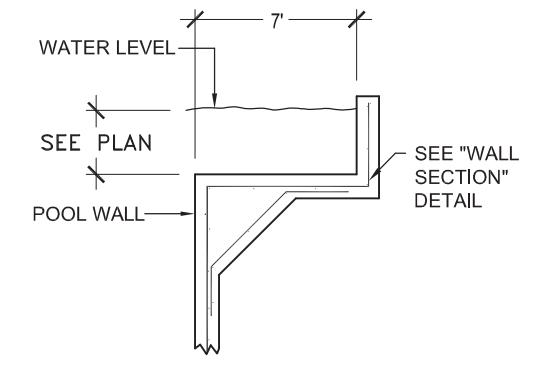
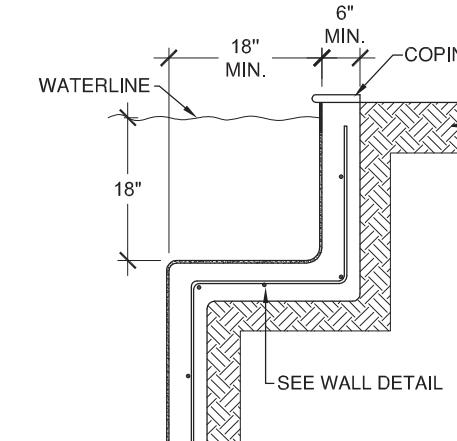
N.T.S.



CENTERLINE OF STEPS

N.T.S.

PER ANSI/APSP/ICC5 2011
(6.2.2 THROUGH 6.2.2.1):
ALL STEP RISERS SHALL NOT
EXCEED 12" MAX. VERTICAL
DISTANCE, EXCEPT THE TOP
RISER, WHICH MAY VARY BUT
SHALL NOT EXCEED 12" FROM
THE POOL DECK COPING.



| REVISIONS | WAYNE MARKHAM BENNETT LICENSE No 57216 STATE OF FLORIDA PROFESSIONAL ENGINEER | SIGNED ON 05/18/21 Wayne Markham Bennett, P.E. (PE #57216) wayne@wmb-pe.com (954) 818-3825 Markham Services, Inc. (CA 33018) 1820 NE Jensen Bch Blvd, Unit 685 Jensen Beach, FL 34957 If signed digitally above, printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. | DATE: 05/12/21 SHEET 2: CONSTRUCTION Signature Pools & Spas, Inc. 1091 N.E. 45 STREET, OAKLAND PARK, FLORIDA 33334 ~ 954-351-2001 |
|---|--|---|---|
| Digitally signed by Wayne Markham Bennett Date: 2021.05.18 '09:54:07 -04'00 | | | BIANCO RESIDENCE 381 S.E. 1 TERRACE POMPANO BEACH 33060 LEGAL: LOT 9, BLOCK 6 GARDEN ISLES SECTION 2 JOB NO. 9501 |

ELECTRICAL CODE and NOTES:

National Electrical Code (NEC), NFPA 70 - 2017 shall specifically govern, including Article 680 Swimming Pools, Fountains, and Similar Installations.

Article 430.32 Continuous-Duty Motors. Each motor used in continuous duty application shall be protected against overload.

Article 680.6 Grounding. Electrical equipment shall be grounded in accordance with Parts V, VI and VII of Article 250 and connected by wiring methods of Chapter 3, except as modified by this Article. The following equipment shall be grounded: (1) Through-wall lighting assemblies and underwater luminaires, other than those low-voltage lighting products listed for the application without a grounding conductor (2) All electrical equipment located within 1.5 m (5 ft) of the inside wall of the specified body of water (3) All electrical equipment associated with the recirculating system of the specified body of water (4) Junction boxes (5) Transformer and power supply enclosures (6) Ground-fault circuit interrupters (7) Panelboards that are not part of the service equipment and that supply any electrical equipment associated with the body of water

Article 680.9 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, overhead service conductors, and open overhead wiring, swimming pool and similar installations shall comply with the minimum clearances given in Table 680.9(A) and illustrated in Figure 680.9(A). (B) Communications Systems. Communications, radio, and television coaxial cables within the scope of Articles 800 to 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 680.9(A) for conductors operating at 0 to 750 volts to ground.

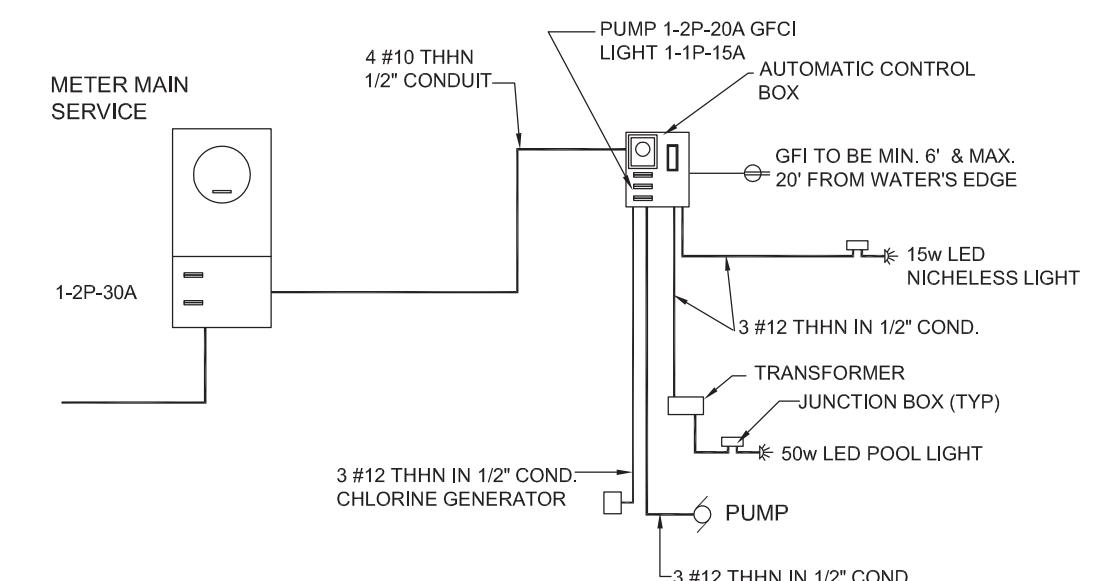
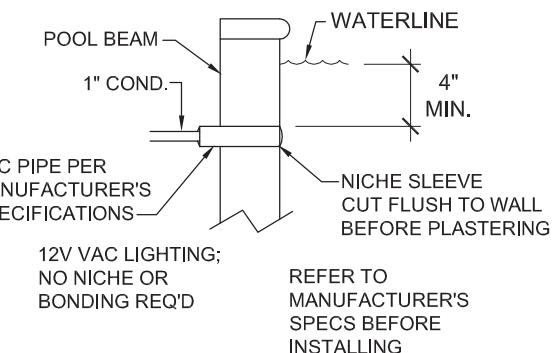
Article 680.10 Electric Pool Water Heaters. All electric pool water heaters shall have the heating elements subdivided into loads not exceeding 48 amperes and protected at not over 60 amperes. The ampacity of the branch-circuit conductors and the rating or setting of overcurrent protective devices shall not be less than 125 percent of the total nameplate-rated load.

Article 680.11 Underground Wiring Location. Underground wiring shall be permitted where installed in rigid metal conduit, intermediate metal conduit, rigid polyvinyl chloride conduit, reinforced thermosetting resin conduit, or Type MC cable, suitable for the conditions subject to that location. Underground wiring shall not be permitted under the pool unless this wiring is necessary to supply pool equipment permitted by this article. Minimum cover depths shall be as given in Table 300.5.

Article 680.22 Lighting, Receptacles, and Equipment. (A) Receptacles. (1) Required Receptacle, Location. Where a permanently installed pool is installed, no fewer than one 125-volt, 15- or 20-ampere receptacle on a general-purpose branch circuit shall be located not less than 1.83 m (6 ft) from, and not more than 6.0 m (20 ft) from, the inside wall of the pool. This receptacle shall be located not more than 2.0 m (6 ft 6 in.) above the floor, platform, or grade level serving the pool. (2) Circulation and Sanitation System, Location. Receptacles that provide power for water-pump motors or for other loads directly related to the circulation and sanitation system shall be located at least 1.83 m (6 ft) from the inside walls of the pool. These receptacles shall have GFCI protection and be of the grounding type. (3) Other Receptacles, Location. Other receptacles shall be not less than 1.83 m (6 ft) from the inside walls of a pool. (4) GFCI Protection. All 15- and 20-ampere, single-phase, 125-volt receptacles located within 6.0 m (20 ft) of the inside walls of a pool shall be protected by a ground-fault circuit interrupter.

Article 680.26 Equipotential Bonding. (A) Performance. The equipotential bonding required by this section shall be installed to reduce voltage gradients in the pool area. (B) Bonded Parts (Conductive Pool Shells, Perimeter Surfaces, Metallic Components, Metal Fittings, Electrical Equipment and Fixed Metal Parts) shall be bonded together using solid copper conductors, insulated covered, or bare, not smaller than 8 AWG or with rigid metal conduit of brass or other identified corrosion-resistant metal. Connections to bonded parts shall be made in accordance with 250.8. An 8 AWG or larger solid copper bonding conductor provided to reduce voltage gradients in the pool area shall not be required to be extended or attached to remote panelboards, service equipment, or electrodes. (C) Pool Water. Where none of the bonded parts is in direct connection with the pool water, the pool water shall be in direct contact with an approved corrosion-resistant conductive surface that exposes not less than 5800 mm squared (9 square inches) of surface area to the pool water at all times. The conductive surface shall be located where it is not exposed to physical damage or dislodgement during usual pool activities, and it shall be bonded in accordance with 680.26(B).

Electrical Contractor shall verify that the existing service and panel has enough capacity to accommodate the added pool equipment load per NEC 220.82



POOL ELECTRICAL DIAGRAM

SEE ELECTRICAL NOTES

| | | |
|---|--|--|
| REVISIONS | SIGNED ON 05/18/21 Wayne Markham Bennett, P.E. (PE #57216) wayne@wmb-pe.com (954) 818-3825 | |
| STATE OF FLORIDA PROFESSIONAL ENGINEER No 57216 | | |
| Digitally signed by Wayne Markham Bennett Date: 2021.05.18 '09:54:29 -04'00 | | |
| Markham Services, Inc. (CA 33018) 1820 NE Jensen Bch Blvd, Unit 685 Jensen Beach, FL 34957 If signed digitally above, printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. | | |

DATE: 05/12/21 SHEET 3: ELECTRICAL

Signature Pools & Spas, Inc.
1091 N.E. 45 STREET, OAKLAND PARK, FLORIDA 33334 ~ 954-351-2001

BIANCO RESIDENCE
381 S.E. 1 TERRACE
POMPANO BEACH
33060
LEGAL: LOT 9, BLOCK 6
GARDEN ISLES
SECTION 2

JOB NO. 9501

GOVERNING CODES and GENERAL NOTES:

2020 Florida Building Code (FBC), 7th Edition and all other codes, rules, regulations, and restrictions having jurisdiction on the project shall govern including FBC 7th Edition Building, Residential, Fuel Gas and Energy Conservation.

FBC 7th Edition Energy Conservation C404.2, Service Water Heating Equipment Performance Efficiency: Gas Pool Heaters 82%, Heat Pump 4.0 COP, shall be met for this project.

FBC 7th Edition Residential Chapter 45: Swimming Pools and Building Chapter 4, Section 454 Swimming Pools and Bathing Places (Public and Private) shall specifically govern.

FBC 7th Edition R4501.6.1 Conformance Standard: Design, construction and workmanship shall be in conformity with the requirements of **ANSI/APSP/ICC 3; ANSI/APSP/ICC 4; ANSI/APSP/ICC 5; ANSI/APSP/ICC 6; ANSI/APSP/ICC 7.**

FBC 7th Edition Building Chapter 4, Section 454.1.6.5.10.4 If the area is subject to high ground water, the pool shall be designed to withstand hydraulic uplift or shall be provided with hydrostatic relief devices. **FBC 7th Edition Section 454.2.21.4 and R4501.21.4 Hydrostatic Relief Device.**

In areas of anticipated water table an approved hydrostatic relief device shall be installed.

FBC 7th Edition R4501.6.3 Water Velocity. Pool piping is designed so the water velocity will not exceed 10 feet per second for pressure piping and 8 feet per second for suction piping. Main suction outlet velocity must comply with **ANSI/APSP/ICC 7.** Exception: Jet inlet fittings shall not be deemed subject to this requirement.

Concrete shall conform to the latest edition of **ACI 301 and ACI 318**, with minimum 28-day compressive strength of 3,500 psi. Pool concrete can be applied pneumatically and shall conform to the latest edition of **ACI 506.2.**

Reinforcing Steel shall conform to the latest edition of **ASTM A615**, Grade 40 (#3, #4), Grade 60 (#5) and have a minimum lap distance of 18" for #3, 24" for #4 and 30" for #5 to meet the requirements of the latest edition of **ACI 318.** Discontinuous reinforcement bars shall terminate in standard ACI hooks. All hooks are standard unless otherwise noted.

FBC 7th Edition Building 1903.3 Glass Fiber Reinforced Concrete GFRC and the materials used in such concrete shall be in accordance with the **PCI MNL 128 Standard**, if shown on the drawings.

Pool Piping shall be **N.S.F** approved and minimum **Schedule 40.**

NDPES: A silt fence and any other item, such as a construction entrance, with tire wash station shall be installed and inspected, if required, prior to construction surrounding the work area meeting the requirements of the AHJ.

OSHA 1926: Safety and Health Regulations for Construction shall be followed especially during open excavation and trenching.

Contractor shall be responsible to secure and protect all material brought on site, shall restore all areas impacted by the construction work to the preexisting condition or better and shall not impact drainage/lake, right of way or any other easements without consent.

Existing conditions, dimensions and quantities shall be field verified by Contractor prior to construction, as the Engineer has not been to the location. Typical field conditions are assumed in the design. Should anything differ from that specified herein or standard field conditions, additional engineering may be required and the Engineer shall be contacted to provide direction. Care shall be taken by Contractor in all applications of these drawings. The equipment and piping physical location may differ in the field due to unforeseen conditions or other factors. These drawings shall not be scaled, written dimensions shall take precedence. Contractor shall be responsible to locate and install items in a location that meets local codes.

These drawings are the property of Wayne Markham Bennett, P.E. Use of these drawings without permission from the Engineer is prohibited. The Engineer does not review the drawings for compliance with the agreement between Contractor and Homeowner. The Engineer is not responsible for any encroachment into easements or setbacks, even if approved by the AHJ. The Contractor shall verify compliance with setbacks and easements. The Engineer reviews the plans for code compliance to the best of his knowledge.

Use of these drawings by the Contractor and Homeowner indemnifies and holds harmless the Engineer for all costs and damages including legal fees resulting from material fabrication, system erection and construction practices beyond which is called for Local, State and Federal Codes and from deviations of these plans except as expressly provided herein. The Engineer is not responsible for and has no liability for construction in setbacks or easements, and Contractor and/or Homeowner requirements and/or agreements related to the Pool and/or Spa. Regardless of cause, the Engineer's Liability in relation to these plans is limited to the lesser of \$500 or the fee charged by the Engineer for these plans.

WARNING: To empty pool of water after construction for any reason, the hydrostatic uplift pressures beneath the pool must be eliminated to prevent the pool from floating upward. Owner must consult a pool contractor experienced in eliminating uplift pressure.

POOL EQUIPMENT and ANCHORING:

Pool Equipment Elevation shall be at a minimum of the Design Flood Elevation (**FBC 7th Edition Residential R322.1.4**) plus 1 foot or according to the Authority Having Jurisdiction.

FBC 7th Edition Building 1620 HVHZ Wind Loads and 1621 HVHZ Overturning Moment and Uplift Pool Equipment shall be designed, constructed and installed to meet the requirements of **ASCE 7.** Equipment tie down shall be as follows, Heaters 4 total (1 per side or 2 per opposite sides); Others 2 total: 3-1/2" minimum thick, 3000 psi concrete slab, 3" larger than on each side than the equipment; 1/4" diameter Tapcon® Concrete Screws (1600# tension, 1290# shear, 1-1/2" embedment in 2000 psi concrete) or equal with stainless steel fender washer into factory provided hold downs or 1" wide, 14 gauge galvanized straps with 2 stainless steel, #10 x 3/4" Pan Head Phillips SS screws each strap into metal frame of equipment.

FBC 7th Edition Building 1907.1 General The thickness of concrete equipment slab supported directly on the ground shall not be less than 3-1/2 inches thick and shall not require a vapor barrier.

Equipment Location and Screening: The equipment and piping physical location may differ in the field due to unforeseen conditions or other factors. Contractor shall be responsible to locate and install items in a location that meets local zoning code and to provide code compliant landscape or fence screening.

SWIMMING BARRIER REQUIREMENTS:

FBC 7th Edition Residential R4501.17 Residential Swimming Barrier Requirement Residential swimming pools shall comply with Sections R4501.17.1 through R4501.17.3. Exception: A swimming pool with an approved safety pool cover complying with ASTM F1346.

FBC 7th Edition Residential R4501.17.1 Outdoor Swimming Pools Outdoor swimming pools shall be provided with a barrier complying with R4501.17.1.1 through R4501.17.1.14.

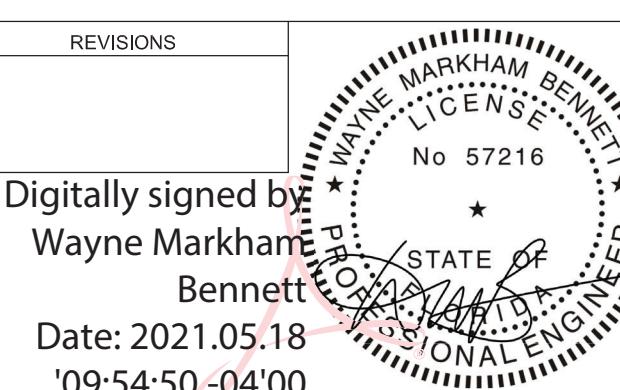
A Swimming Barrier around the pool area that meets the above code is required prior to final pool structural inspection and filling of the pool.

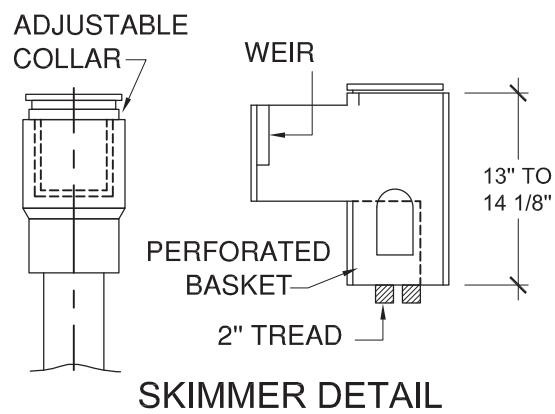
FLOOD ZONE:

FBC 7th Edition Residential R322 Flood-Resistant Construction structures constructed in whole or part in flood hazard areas shall be designed and constructed in accordance with the provisions of this section, especially R322.1.2 Structural Systems, 322.1.3 Flood-Resistant Construction and R322.2.5 Pools in Flood Hazard Areas. If structures constructed in whole or part in floodways shall be designed and constructed in accordance with ASCE 24 and the construction of this pool will not increase the design flood elevation.

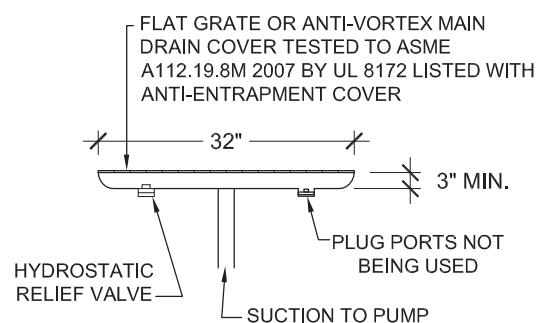
SOIL BEARING and FOUNDATION NOTES:

FBC 7th Edition Building 1803 Geotechnical Investigations: The Building Official shall be permitted to waive the requirement. Allowable Bearing Capacity: Based on rational analysis through knowledge of other projects in the vicinity and a visual examination of the surface soil, finding sand and rock, the pool foundation has been designed assuming 2,000 psf soil bearing capacity per Table R401.4.1. If during excavation deleterious material (such as silt, peat, muck, clay, etc.) is found that cannot provide 2,000 psf, the Engineer shall be contacted to provide direction.

| | | | | |
|-----------|--|--|---|---|
| REVISIONS |  Digitally signed by Wayne Markham Bennett Date: 2021.05.18 '09:54:50 -04'00 | SIGNED ON 05/18/21 | DATE: 05/12/21 | SHEET 4: CODES AND NOTES |
| | | Wayne Markham Bennett, P.E. (PE #57216) wayne@wmb-pe.com (954) 818-3825 | Markham Services, Inc. (CA 33018) 1820 NE Jensen Bch Blvd, Unit 685 Jensen Beach, FL 34957 If signed digitally above, printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. | Signature Pools & Spas, Inc. 1091 N.E. 45 STREET, OAKLAND PARK, FLORIDA 33334 ~ 954-351-2001 |
| | | | | BIANCO RESIDENCE 381 S.E. 1 TERRACE POMPANO BEACH 33060 |
| | | | | LEGAL: LOT 9, BLOCK 6 GARDEN ISLES SECTION 2 |
| | | | | JOB NO. 9501 |



SKIMMER DETAIL



NORTH
SCALE:
1/8" = 1'

**HAZEN-WILLIAMS EQUATION
FOR PUMP SUCTION:**

SPECIFIC HEAD LOSS (ft H 20/100 ft PIPE): 7.907
SPECIFIC HEAD LOSS (psi/100ft PIPE): 3.4
ACTUAL HEAD LOSS (ft H20): 5.535
ACTUAL HEAD LOSS (psi): 2.4
VELOCITY (ft/s): 6.84
RETURN LINES (ft/s): 6.84

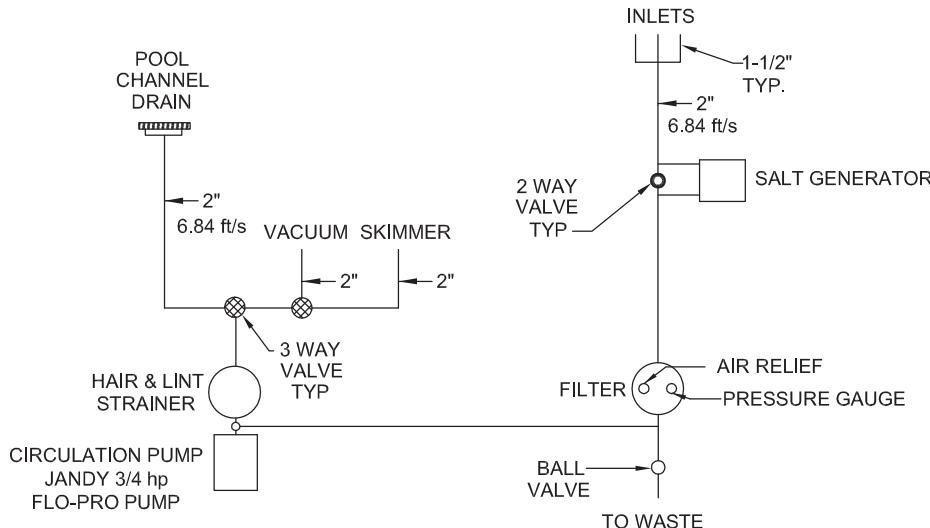
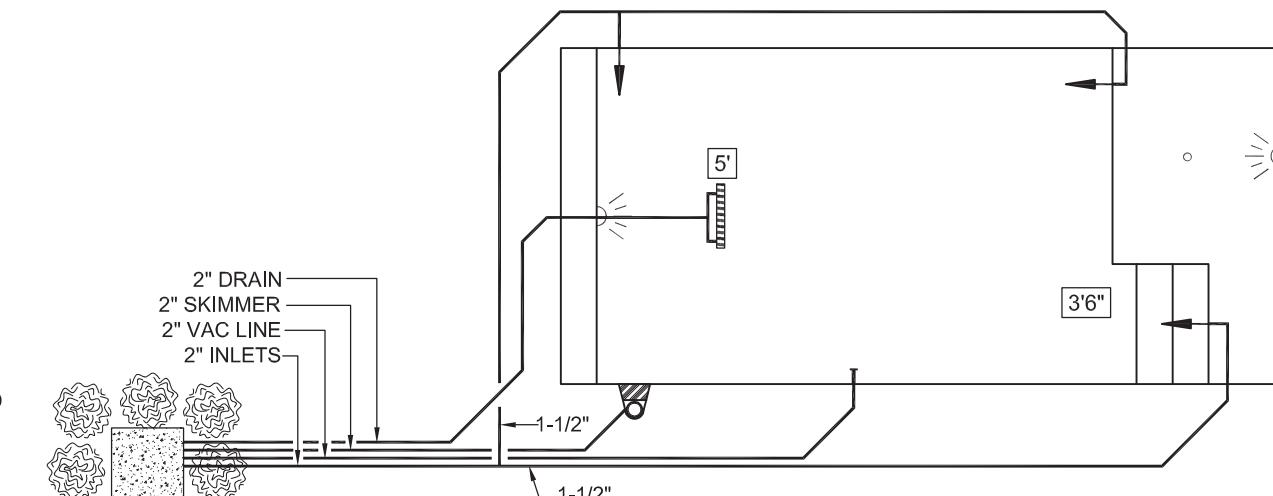
CHANNEL DRAIN DETAIL

ALL CHANNEL DRAINS ARE
VGB 2008 COMPLIANT

| | |
|-----------------------|--------|
| PLUMBING AND FITTINGS | 10 tdh |
| FILTER | 10 tdh |
| CHLORINATOR | 5 tdh |
| TOTAL | 25 tdh |

CIRCULATION PUMP
JANDY FLO-PRO 3/4 hp
@ 25 tdh = 70 GPM

EQUIP & PAD
(SEE EQUIPMENT PAD
NOTES ON SHEET 4)
(EXACT LOCATION
TO BE VERIFIED)

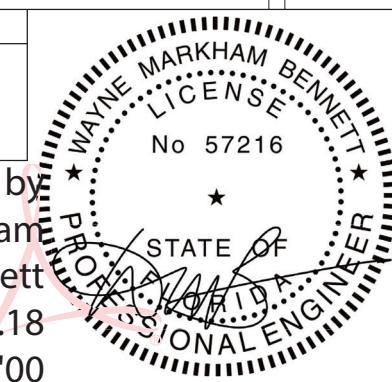


| LEGEND | |
|---------------|---------------|
| | LIGHT |
| | UMBRELLA SLV |
| | CHANNEL DRAIN |
| | SKIMMER |
| | VACUUM LINE |
| | WALL INLET |

PLUMBING SCHEMATIC
SEE SHEET 4 FOR NOTES

REVISIONS

Digitally signed by
Wayne Markham
Bennett
Date: 2021.05.18
'09:55:18-04'00



SIGNED ON 05/18/21
Wayne Markham Bennett, P.E.
(PE #57216)
wayne@wmb-pe.com
(954) 818-3825
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1820 NE Jensen Bch Blvd, Unit 685
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any electronic copies.

| | |
|---|--------------------------|
| DATE: 05/12/21 | SHEET 5: PLUMBING |
| Signature Pools & Spas, Inc. 1091 N.E. 45 STREET, OAKLAND PARK, FLORIDA 33334 ~ 954-351-2001 | |
| BIANCO RESIDENCE 381 S.E. 1 TERRACE POMPANO BEACH 33060 | JOB NO. 9501 |

LEGAL: LOT 9, BLOCK 6
GARDEN ISLES
SECTION 2

