

EQUIPOTENTIAL BONDING GRID:

ALL METAL PARTS SPECIFIED IN 680.26(B) MUST BE BONDED TO AN EQUIPOTENTIAL BONDING GRID WITH A SOLID COPPER CONDUCTOR NOT SMALLTHAN 8 AWG. THE TERMINATION OF THE BONDING CONDUCTOR MIST BE MADE BY EXOTHERMIC WELDING, LISTED PRESSURE CONNICTORS, OR LISTED CLAMPS THAT ARE LABELED AS SUITABLE FOR THE PURPOSE. THE QUIPOTENTIAL BONDING GRID MUST EXEND UNDER PAVED WALKING SURFACES FOR 3 FEET HORZONTALIY FROM THE WATER (680.26(C)).

THE EQUIPOTENTIAL BOIDING GRID MUST BE FORMED FROM EITHER OR BOTH OF:

THE STRUCTURAL RINFORCING STEEL OF A CONCERTE PERMANENTLY INSTALLED POOL, OUTDOOR SPA, OR OUTDOOR HOT TUB, TIED TOGTHER BY THE USUAL STEEL TIE WIRES.

THE METAL WALLS (F A PERMANENTLY INSTALLED POOL, OUTDOOR SPA, OR NUTDOOR HOT TUB

THE EQUIPOTENTIAL BONDING GRID CAN BE CONSTRUCTED WITH 8 AWG BARE SOLID COPPER CONDUCTORS BONDED TO EA OTHER AT ALL POINTS OF CROSSING BY EXOTHERMIC WELDING, LISTED PRESSURE CONNECTORS OF THE SET SCREW OR COMPRESSION TYPE, LISTED CLAMPS, OR OTHER LISTED FITTINGS (250.8).

THE EQUIPOTENTIAL BONDING GRID MUST COVER THE CONTOUR OF THE PERMANENTLY INSTALLED POOL, OUTDOOR SPA OR HOT TUB AND DECK EXTENDING 3 FEET HORIZONTALY FROM THE WATER. THE EQUIPOTENTIAL BONDING GRID MUST BE ARRANGED IN A 1-FOOT BY 1-FOOT NETWORK OF 8 AWG CONDUCTORS, WITH A TOLERANCE OF 4 INCHES.

EXCEPTION: THE EQUIPOTENTIAL BONDING GRID SHALL NOT BE REQ'D TO BE INSTALLED UNDER THE BOTTOM OR VERTICALLY ALONG THE WALLS OF VINYL LINED POLYMER WALL, FIBERGLASS COMPOSITE, OR OTHER POOLS CONSTRUCTED OF NON-CONDUCTIVE MATERIALS.

ANY METAL PARTS OF THE POOL, INCLUDING METAL STRUCTURAL SUPPORTS, SHALL BE BONDED IN ACCORDANCE WITH 680.26(B). POURED CONCRETE, PNEUMATICALLY-APPLIED CONCRETE, AND CONCRETE BLOCK SHALL BE CONSIDERED CONDUCTIVE MATERIAL

MAIN DRAIN DRAIN PIPING SIZES BY CONTRACTOR - | R . . . H H H H H H RESIDENCE PIPING PLAN 1. ALL WORK IS TO COMPLY WITH ALL APPLICABLE CODES & ORDINANCES. 2. CONSTRUCTED OF 3000 PSI CONCRETE **ADDRESS** OR EQUAL WITH #3 REBAR 12" O.C. EACH PHONE WAY, TIED AT EVERY OTHER INTERSECTION. MIN COVER FOR REBAR IS 2.5" WEBSITE MIN OVERLAP IS 18". 3.N/A POOLS MUST COMPLY w/ R4501.6.1 CONFORMANCE STANDARD DESIGN CONSTRUCTION AND WORKMANSHIP SHALL BE IN CONFORMANCE w/ THE REQUIREMENTS OF ANSI / NSPI 3;

NOTE: IF ANY PART OF THE POOL ENCROACHES UPON THE ANGLE OF REPOSE, PLACE STEEL @ 6" o.c. EA WAY IN AREAS OF QUESTION

ENGINEER'S SEAL

Riddle Consulting Engineers, Inc.

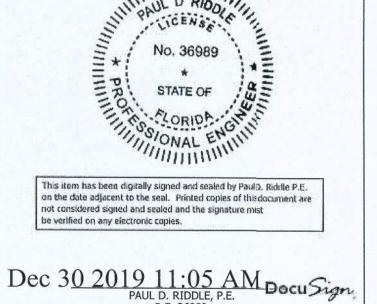
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REVISIONS, NOTES

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BONILLA RESIDENCE

AQUATIC ART

SCALE

JOB NUMBER

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RESULT IN LEGAL ACTION.

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12/30/2019

1/4" = 1'-0"

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POOL-SIDE OF FENCE. 5. GATE WILL BE SELF-LOCKING WITH APPROVED LOCKING DEVICE.

4. ASSUMED SOIL BEARING = 2 KSF 5. CIRCULATION SYSTEMS, COMPONENTS,

& EQUIPMENT SHALL COMPLY W/ NSF 50. 6. INSTALL CONTROL JOINTS @ 20'-0" ON CENTER IN POOL DECKING.

7. PLANS TO CONFORM TO NEC 2014 8. FBC RESIDENTIAL 2017 6th EDITION

9. CONCRETE STAIRS ARE 12" TREAD WIDTH AND 10" MAXIMUM HEIGHT 10. ALL CONSTRUCTION SHALL COMPLY WITH ANSI 5-03, 2014 NEC ARTICLE 680, & ANSI-NSPI 3-99 IN-GROUND SPA CONSTR.

ANSI / APSP 15 2010 BY POOL CONTRACTOR

FENCE REQUIREMENTS: 1. MINIMUM 48" HEIGHT

2. 2" MAX VERTICAL CLEARANCE BETWEEN

ANSI / NSPI 4; ANSI / NSPI 5; ANSI / NSPI 6; ANSI / APSP 7;

GRADE & BARRIER BOTTOM. 3. MAX OPENING SHALL NOT ALLOW PASSAGE OF 4" SPHERE.

4. FENCE POSTS WILL BE LOCATED ON

*11. ENGINEERS DESIGN IS FOR STRUCTURAL ONLY. DESIGN OF PIPING/EQUIPMENT ETC.