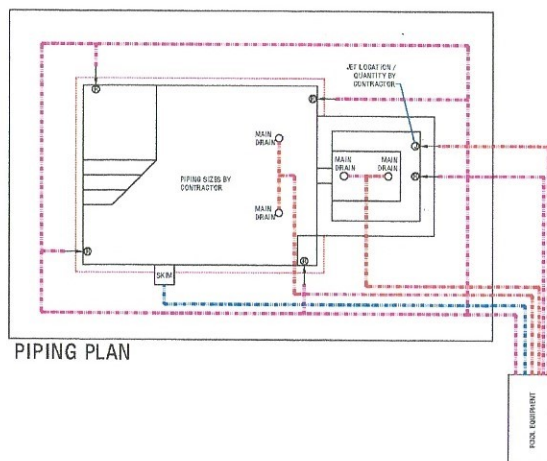


DIMENSION PLAN



PIPING PLAN

EQUIPOTENTIAL BONDING GRID:

ALL METAL PARTS SPECIFIED IN S80.26(B) MUST BE BONDED TO AN EQUIPOTENTIAL BONDING GRID WITH A SOLID COPPER CONDUCTOR NOT SMALLER THAN 8 AWG. THE TERMINATION OF THE BONDING CONDUCTOR MUST BE MADE BY EXOTHERMIC WELDING, LISTED PRESSURE CONNECTORS, OR LISTED CLAMPS THAT ARE LABELED AS SUITABLE FOR THE PURPOSE. THE EQUIPOTENTIAL BONDING GRID MUST EXTEND UNDER PAVED WALKING SURFACES FOR 3 FEET HORIZONTALLY FROM THE WATER (S80.26(B)).

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

THE STRUCTURAL REINFORCING STEEL OF A CONCRETE PERMANENTLY INSTALLED POOL, OUTDOOR SPA, OR OUTDOOR HOT TUB, TIED TOGETHER BY THE USUAL STEEL TIE WIRES.

THE METAL WALLS OF A PERMANENTLY INSTALLED POOL, OUTDOOR SPA, OR OUTDOOR HOT TUB

THE EQUIPOTENTIAL BONDING GRID CAN BE CONSTRUCTED WITH 8 AWG BARE SOLID COPPER CONDUCTORS BONDED TO EACH 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 (S80.8).

THE EQUIPOTENTIAL BONDING GRID MUST COVER THE CONTOUR OF THE PERMANENTLY INSTALLED POOL, OUTDOOR SPA, OR HOT TUB AND DECK EXTENDING 3 FEET HORIZONTALLY 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 REQUIRED 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 S80.26(B). FOUNDED CONCRETE, FIBERGLASS-APPLIED CONCRETE, AND CONCRETE BLOCK SHALL BE CONSIDERED CONDUCTIVE MATERIAL.

NOTES:

1. ALL WORK IS TO COMPLY WITH ALL APPLICABLE CODES & ORDINANCES.
2. CONSTRUCTED OF 3000 PSI CONCRETE OR EQUAL WITH #3 REBAR 12" O.C. EACH WAY, TIED AT EVERY OTHER INTERSECTION. MIN COVER FOR REBAR IS 2.5" MIN OVERLAP IS 18".
3. N/A

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 APSP10
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.

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

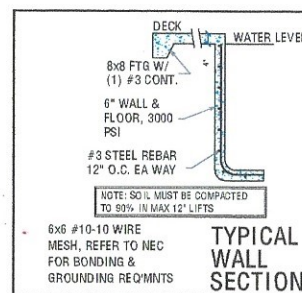
POOLS MUST COMPLY W/ R4001.6.1 CONFORMANCE STANDARD DESIGN CONSTRUCTION AND WORKMANSHIP SHALL BE IN CONFORMANCE W/ THE REQUIREMENTS OF ANSI / NSPI 3; ANSI / NSPI 4; ANSI / NSPI 5; ANSI / NSPI 6; ANSI / NSPI 7; ANSI / APSP 15 2010

BY POOL CONTRACTOR

FENCE REQUIREMENTS:

1. MINIMUM 4" HEIGHT
2. 2" MAX VERTICAL CLEARANCE BETWEEN GRADE & BARRIER BOTTOM
3. MAX OPENING SHALL NOT ALLOW PASSAGE OF 4" SPHERE
4. FENCE POSTS WILL BE LOCATED ON POOL-SIDE OF FENCE
5. GATE WILL BE SELF-LOCKING WITH APPROVED LOCKING DEVICE

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



6x6 #10-10 WIRE MESH, REFER TO NEC FOR BONDING & GROUNDING REQUIREMENTS

TYPICAL WALL SECTION

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THE SPARKS-WOODS RESIDENCE AQUATIC ART A CUSTOM POOL DESIGN FOR REVISIONS/NOTES		DRAWN: JASON R. RIDDLE DATE: 5/12/2020 SCALE: 1/4" = 1'-0" 1 OF 1 JOB NUMBER: 2200283	