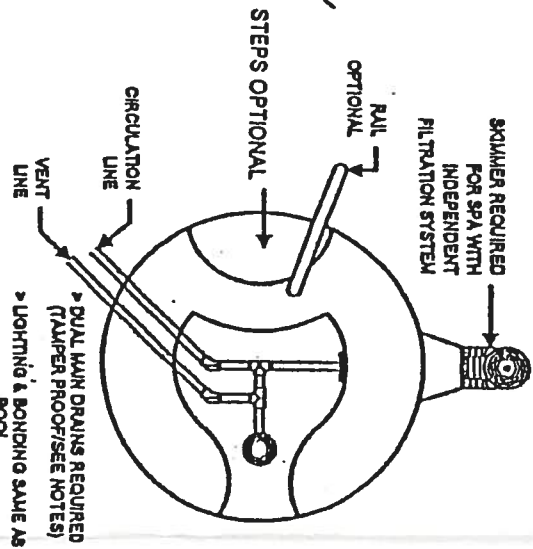


GENERAL POOL PLAN

1/8" = 1'



GENERAL SPA PLAN

1/4" = 1'

GENERAL DESIGN REQUIREMENTS

- design, const. & workmanship shall be in conformity w/ the req. of ANSI/NSPI 3, ANSI/NSPI 4, ANSI/NSPI 5, & ANSI/NSPI 6 based on the pool type.
- see NSPI for diving water envelopes.
- slides shall meet the manufactures installation requirements.
- entry/exit req. at the shallow end & deep end if over 5' deep, acceptable are stairs (10" min. tread w/ 240 sq. inch min. area, 12" max. riser w/ intermediate treads & risers uniform). Ladders, under water seats & swim-outs (max. 20" below water).
- circulation systems, components & equip. shall comply w/ NSF 50.
- the max. turnover rate is 12 hours.
- filters shall have an air release & pressure gage.
- pumps 3 h.p. & less shall meet ansi/ul1081 corrosion resistant w/ strainer & meet the req. flow.
- surface skimmers shall meet NSF 50 & there shall be one for every 800 sq. ft. of surface area.
- return inlets shall be a min. of one for every 300 sq. ft.
- heater shall meet ansi-z21.58 or ul1261 or ul559.
- disinfectant equip. shall comply w/ NSF 50.
- pressure test piping at 35 PSI for 15 mins. or meet local code if greater.

SPECIAL SPA REQUIREMENTS

- max. water depth 4', max. seat depth 26" max.
- floor slope 1:12.
- steps: min. tread 10"x12", 7" min. riser, 12" max. riser except the bottom step may be 14" if it is the seat. Intermediate tread & risers to be uniform if the spa is operated intermittently it shall have a one hour turnover if continuous a six hour turnover.
- max. temperature 104 degrees.
- meet ANSI/NSPI article XVII safety instruction/safety signs.
- pressure test piping at 35 PSI for 15 mins. or meet local code if greater.

ELECTRICAL REQUIREMENTS

- wiring & bonding & all electrical to comply w/ chapter 27, F.L. building code.
- no outlet or overhead power within 10' if within 15' protect by GFI, transformer min. 10' from pool, 8' above water, 1 box 4' from pool, brass to 1 box or transformer whichever is first except where PVC is approved.

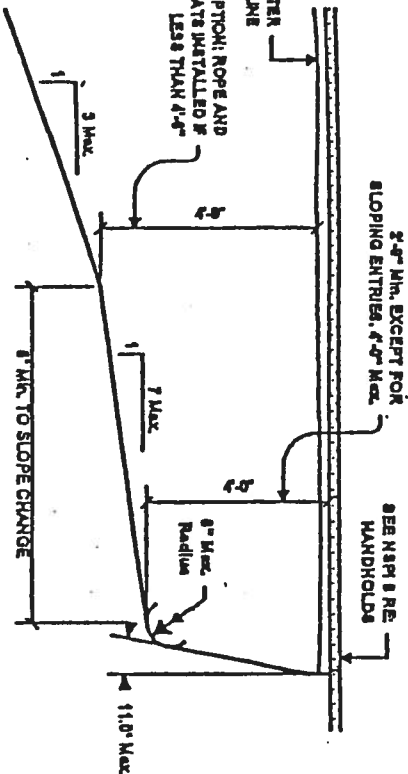
FLORIDA BUILDING CODE R4101

The pool contractor is responsible for furnishing all detail design requirements for each individual pool in accordance w/ the FL. building code, and all const. shall meet all applicable codes including plumbing, electrical and gas. Piping shall be SCH. 40 PVC, NSF/PW, max. pressure velocity 10 FPS, suction 8-8 FPS. The pool plan shall show the design plumbing as per the sample w/ the information req. shown. Main drain plumbing shall be two drains separated by 3' w/ approved ANSI/ASME A112.19.8M covers. As an alternate the approved drains may be placed on different planes. The two drains shall have a common suction line. Suction grates may be used if approved at a max. of 1 1/2 FPS and the suction piping is recessed from the grate. The distance equal to the suction pipe size. In addition a safety vacuum release system must be installed. This may consist of an air release system. The vent pipe shall be tied to the main drain line and brought back to the filter location, elbowed up and over w/ a grate for protection and labeled "safety vent". Skimmers do not req. protection and must be designed for a min. 25 GPM. The following shall be labeled w/ red label marker tape at the filter location: pipes, valves, "safety vent" or "safety device", pump(s) off switch.

It has been certified that these design req. are in compliance w/ the FL. building code R4101, 424.2-2004, ANSI/NSPI 3, ANSI/NSPI 4, ANSI/NSPI 5 and ANSI/NSPI 6.

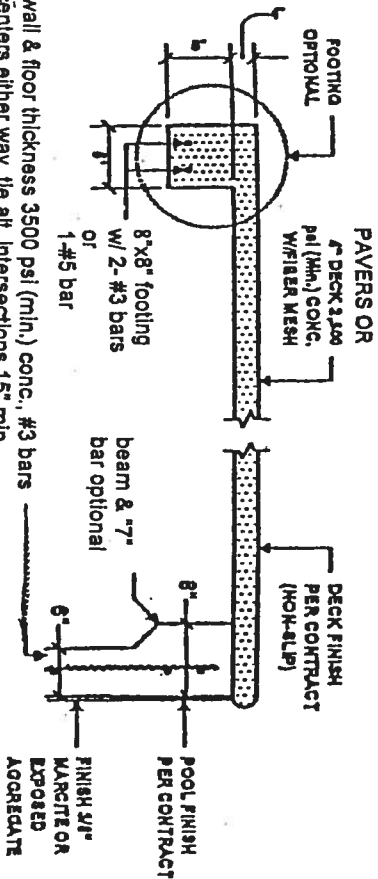
H2O Industries

11.17.06



POOL SECTION DETAIL

1/4" = 1'



STRUCTURAL SUBJECT TO SUITABLE SOIL CONDITIONS

POOL/SPA, DECK, BEAM, WALL, FLOOR

STANDARD RESIDENTIAL
POOL AND/OR SPA DETAIL

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