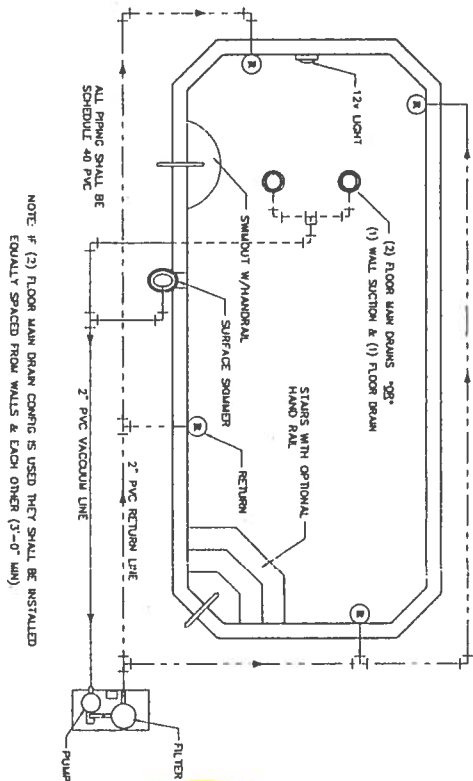
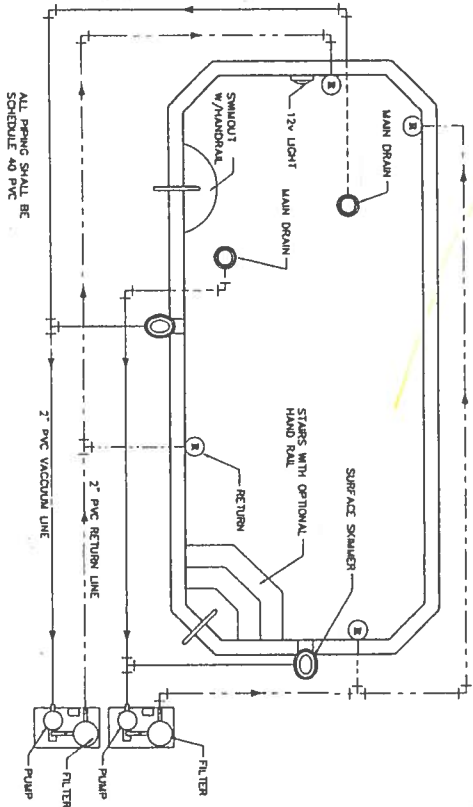
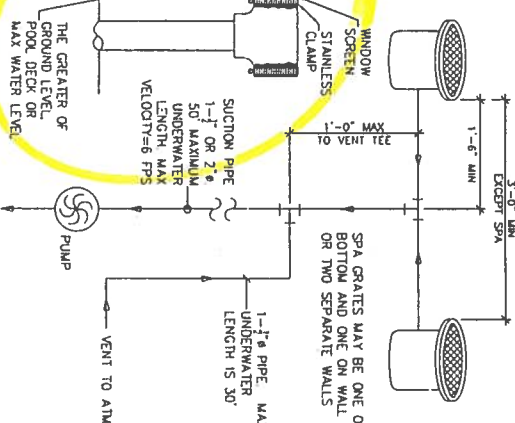




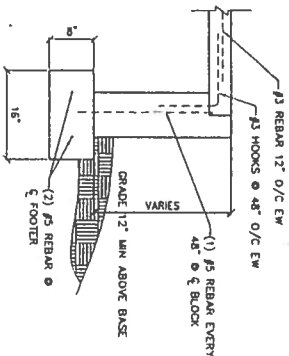
TYPICAL POOL PLAN (DUAL PUMPS)

TYPICAL POOL PLAN (SINGLE PUMP)

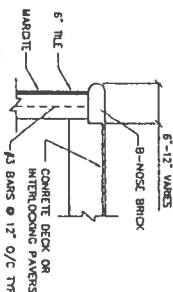
NOTE: # (2) FLOOR MAIN DRAIN COORDINATE IS USED THEY SHALL BE INSTALLED EQUALLY SPACED FROM WALLS & EACH OTHER (3'-0" MIN)



DUAL MAIN DRAIN ATMOSPHERIC VENT DETAIL



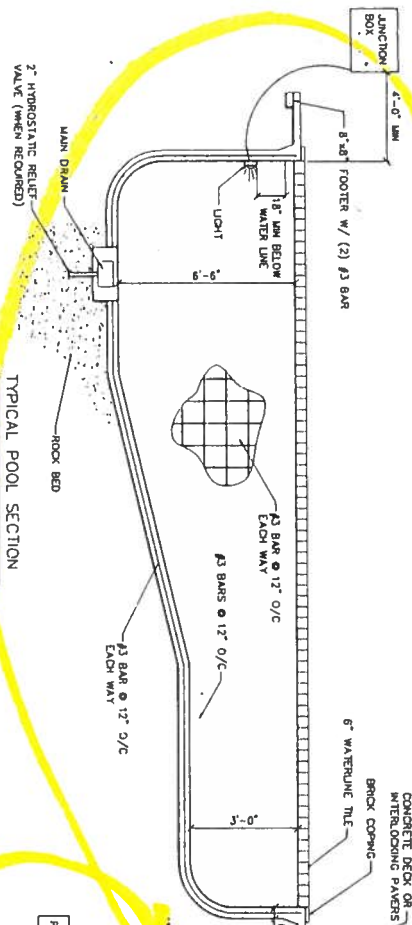
RETAINING WALL & FOOTER DETAIL



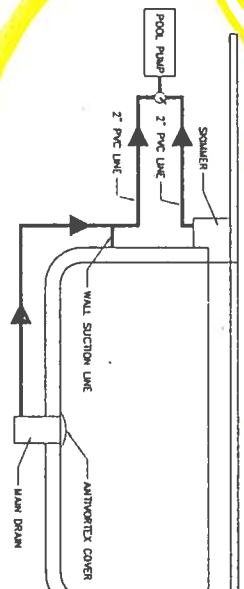
BRICK OR COPING DETAIL

MINIMUM FOOTER SIZE FOR SCREEN POOL ENCLOSURE		
BEAM SPAN	MONO FOOTER	ISOLATED FOOTER
UP TO 24'	8"Wx8"D W/ (2) #3	12"Wx12"D W/ (2) #5
24' TO 32'	8"Wx12"D W/ (2) #3	12"Wx16"D W/ (2) #5
32' TO 38'	12"Wx12"D W/ (2) #5	14"Wx16"D W/ (2) #5
38' TO 44'	12"Wx12"D W/ (2) #5	16"Wx16"D W/ (3) #5
OVER 44'	SITE SPECIFIC	

NOTE: (3) #3 BARS MAY BE USED IN LIEU OF (1) #5.

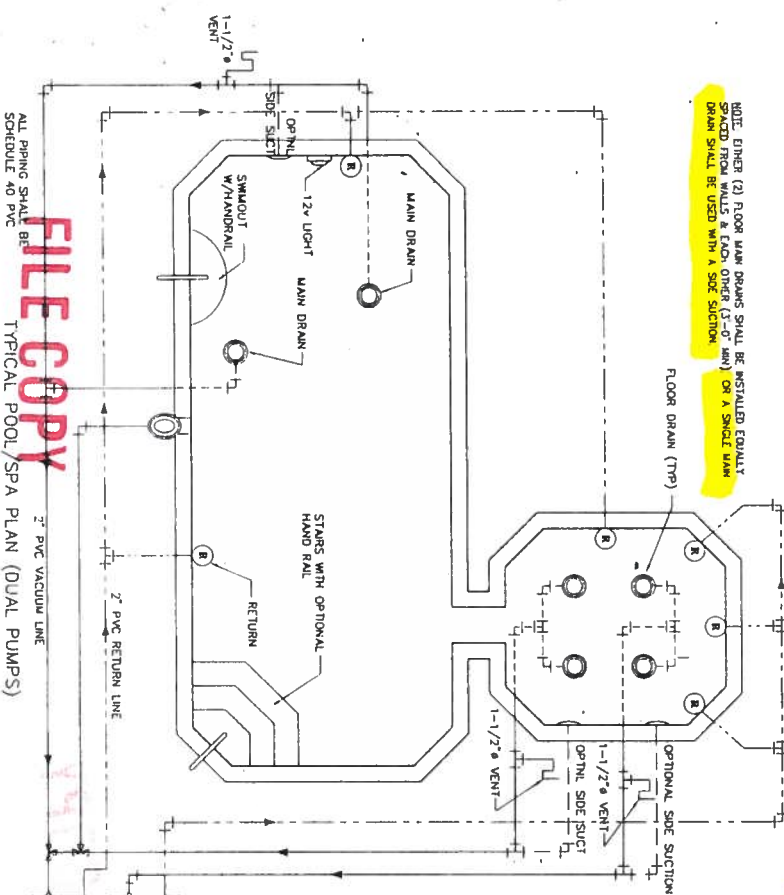


TYPICAL POOL SECTION

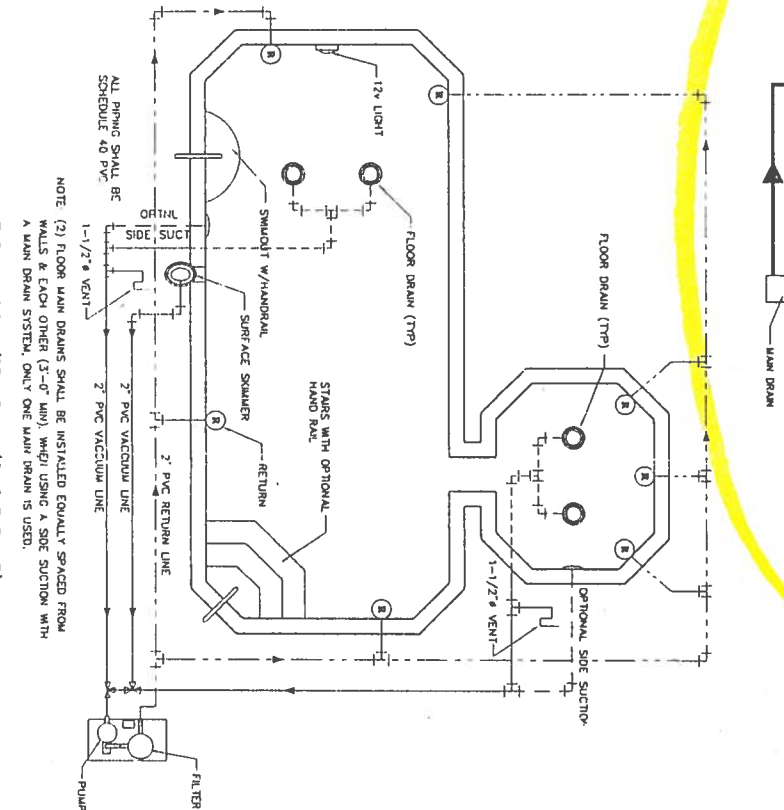


TYPICAL POOL/SPA PLAN (SINGLE PUMP)

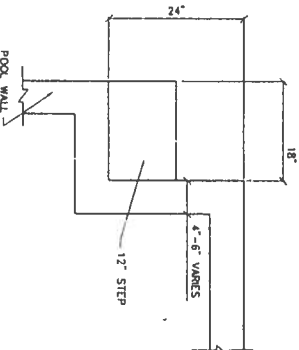
NOTE: EITHER (2) FLOOR MAIN DRAINS SHALL BE INSTALLED EQUALLY SPACED FROM WALLS & EACH OTHER (3'-0" MIN) OR A SINGLE MAIN DRAIN SHALL BE USED WITH A SIDE SUCTION



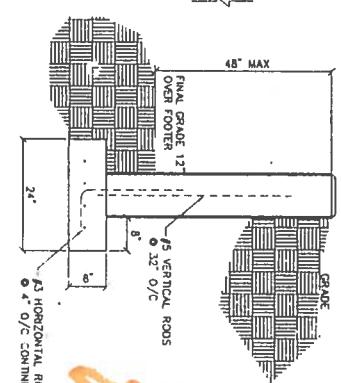
TYPICAL POOL/SPA PLAN (DUAL PUMPS)



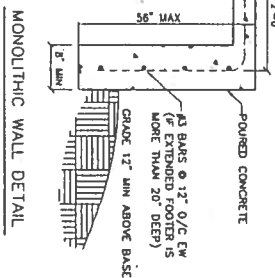
TYPICAL POOL/SPA PLAN (SINGLE PUMP)



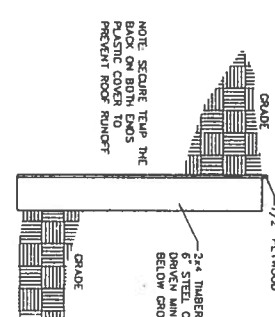
TYPICAL SKIMMER DETAIL



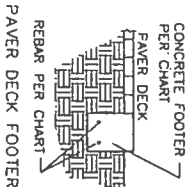
FREE-STANDING RETAINING WALL



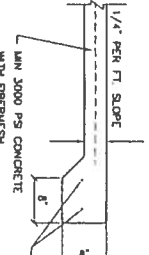
MONOLITHIC WALL DETAIL



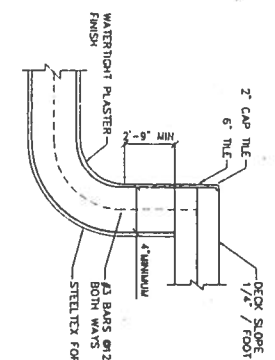
TYPICAL SHORING DETAIL



CONCRETE FOOTER & PAVES DECK



DECK AND FOOTER DETAIL



WALL SECTIONS

ENGINEER'S NOTES

1. DEEP END: #3 BARS @ 6" O/C E/W WHEN MORE THAN 6'-6" (FROM 5' DOWN)
2. USE #3 BARS @ 12" O/C E/W WHEN LESS THAN 6'-6"
3. EQUIPMENT IS GROUNDED PER NEC 2005. INSTALL EQUIPMENT, BONDING GRID TO 3' OUT FROM WATER'S EDGE AROUND ENTIRE POOL. W/ #3 BARS TIED @ 12" O/C E/W OR W/ 6x6x10 WELDED WIRE FABRIC
4. BACKFILL AROUND POOL IS PLACED IN 12" LAYERS MAX & COMPACTED TO 95% DENSITY MINIMUM.
5. SOIL CONDITIONS AT THE POOL ARE ASSUMED TO BE ADEQUATE TO SUPPORT A SINGLE FAMILY DWELLING.
6. DESIGN IS FOR MAX 25' RESIDENTIAL POOL, W/ MAX DEPTH OF 8'-6"
7. DIVING EQUIPMENT INSTALLED SHALL MEET NSPI STANDARDS.

GENERAL NOTES

1. POOL SHALL BE REINFORCED CONCRETE. FRAMED AND SPRAYED CONCRETE. APPLICATION CONCRETE SHALL HAVE MIN 28 DAY COMP. STRENGTH OF 4000 PSI.
2. REINFORCING TO BE INTERMEDIATE GRADE DEFORMED BARS OF NEW BULLET STEEL TO BE BENT, LAPPED AND PLACED ACCORDING TO ASTM A615 IN ACCORDANCE WITH A.C.I. STANDARDS.
3. ALL PIPING TO BEAR THE N.S.F. SEAL.
4. MAIN DRAIN GRATE TO HAVE AN AREA 4 TIMES THE AREA OF SUCTION LINE. MAIN DRAINS SHALL HAVE ANTI-VORTEX SUCTION FITTING COVERS AND COVERT WITH ASME/ANS STD 2.12.19 BEH. IN ADDITION, ALL MAIN DRAINS SHALL HAVE AN ANTI-VORTEX WHICH IS AN APPROVED ENTRAPMENT AVOIDANCE DEVICE PER FCG 424.2.6.3
5. WATER SUPPLY & DISPOSAL SHALL BE SO ARRANGED TO INSURE AGAINST CONTAMINATION OF WATER SUPPLY.

STEVE KASTNER, P.E.
 LICENSE: 38528
 5320 ATLANTA PALM AVE
 ATLANTA, GA 30327
 (404) 631-6705

DRAWN BY: Stuart C. Purvey SCALE: NTS

THIS PLAN HAS BEEN PREPARED UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE MEETS OR EXCEEDS CH.16 & CH. 4 CECT 424 OF THE FCG 2004, ED. W/2005, & 2006 SUPPLEMENTS.

04 JULY, 2007