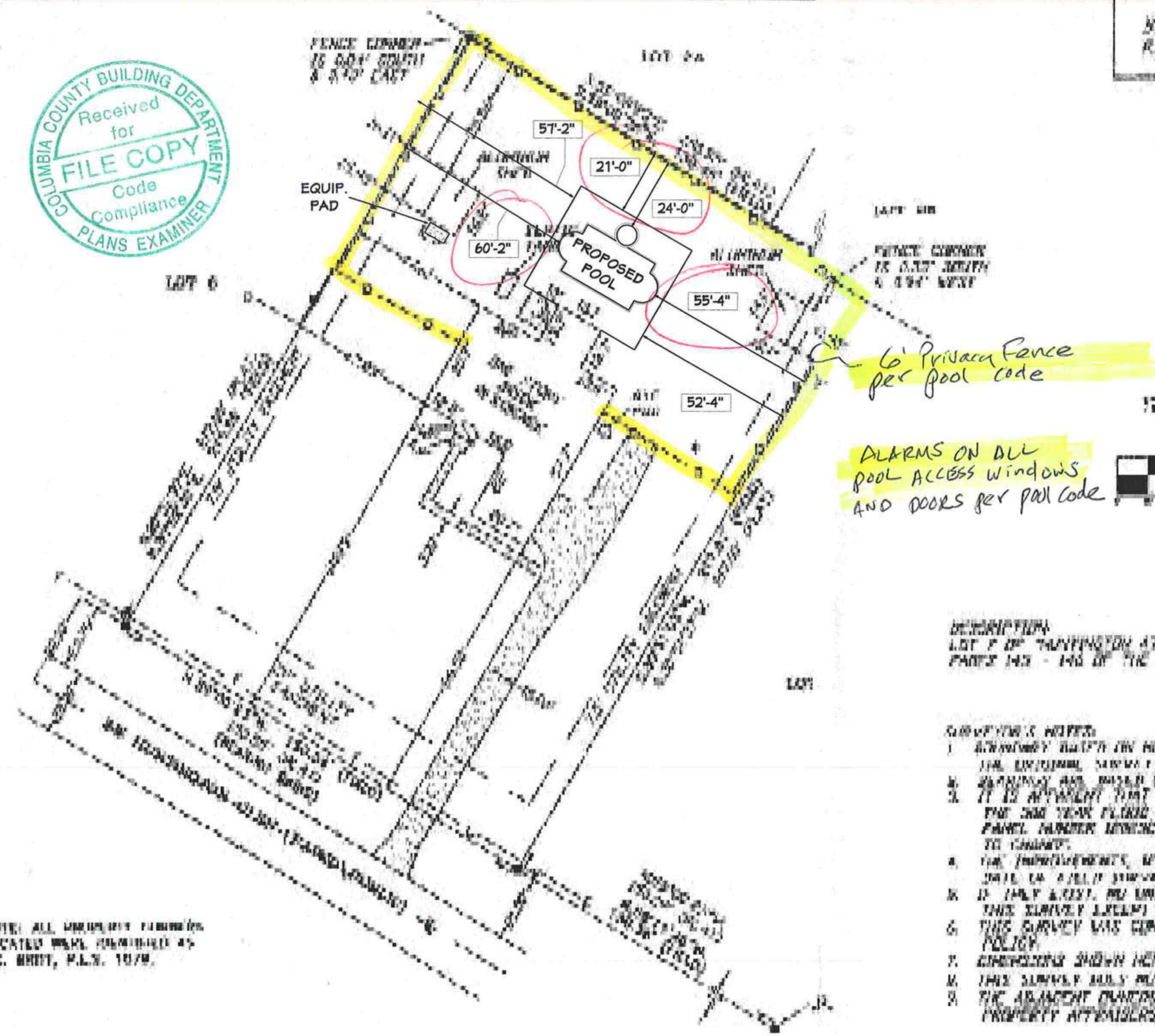
OUTBACK POOLS
931 SAVANNAH CIRCLE
LAKE CITY, FL 32055

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

BOUNDARY SURVEY IN SECTION 11, TOWNSHIP 4 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA



SCALE: 1" = 40'

GRAPHIC SCALE

SYMBOL LEGEND

P.R.M. PERMANENT REFERENCE MARKER
P.C.P. PERMANENT CONTROL POINT

DESCRIPTION:
LOT 7 OF "HUNTINGTON AT WOODCREST" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 8, PAGES 145 - 146 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
2. BEARINGS ARE BASED ON SAID PLAT OF RECORD.
3. IT IS APPARENT THAT THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 4 FEBRUARY, 2009 FIRM PANEL NUMBER [illegible]. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.
7. DIMENSIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF.
8. THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
9. THE ADJACENT OWNERSHIP INFORMATION AS SHOWN HEREON IS BASED ON THE COUNTY PROPERTY APPRAISERS GIS SYSTEM, UNLESS OTHERWISE DENOTED.

NOTE: ALL PROPERTY CORNERS LOCATED WERE IDENTIFIED AS L.E. BRITT, P.L.S. 1079.

CERTIFIED TO:
ALEX HATHE
NORTH CENTRAL FLORIDA TITLE, LLC
WESTCOR LAND TITLE INSURANCE COMPANY
VA MORTGAGE CENTER

FIELD BOOK: [illegible] PAGES: [illegible]

SURVEYOR'S CERTIFICATION
[illegible]

BRITT SURVEYING & ASSOCIATES, INC.
LAND SURVEYORS AND MAPPERS, L.B. # 7593
830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
[illegible]
WORK ORDER # L 20574

P/L P/L P/L P/L P/L P/L P/L P/L P/L P/L P/L P/L

EXIST. WOOD FENCE

EXIST. WOOD FENCE

NOTE :
BASED OUR EXPERIENCE WIOTHER POOL PROJETS IN THIS AREA THE BEARING CAPACITY IS 2000 PSF. IF OTHER CONDITIONS ARE FOUND AT EXCAVATION THE POOL CONTRACTOR MUST NOTIFY ENGINEER IMMEDIATELY.

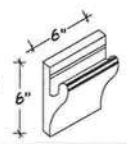
NOTES :
-ALL DECKS ARE MEASURED FROM WATERLINE OF POOL TO EDGE OF DECK.
-DIVING EQUIPMENT ABSOLUTELY PROHIBITED
-VAC LINE TO HAVE VAC LOCK

LEGAL DESCRIPTION

LOT 7 OF HUNTINGTON AT WOODCREST, RECORDED IN PLAT BOOK 6, PAGE 145-146, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA

+18"

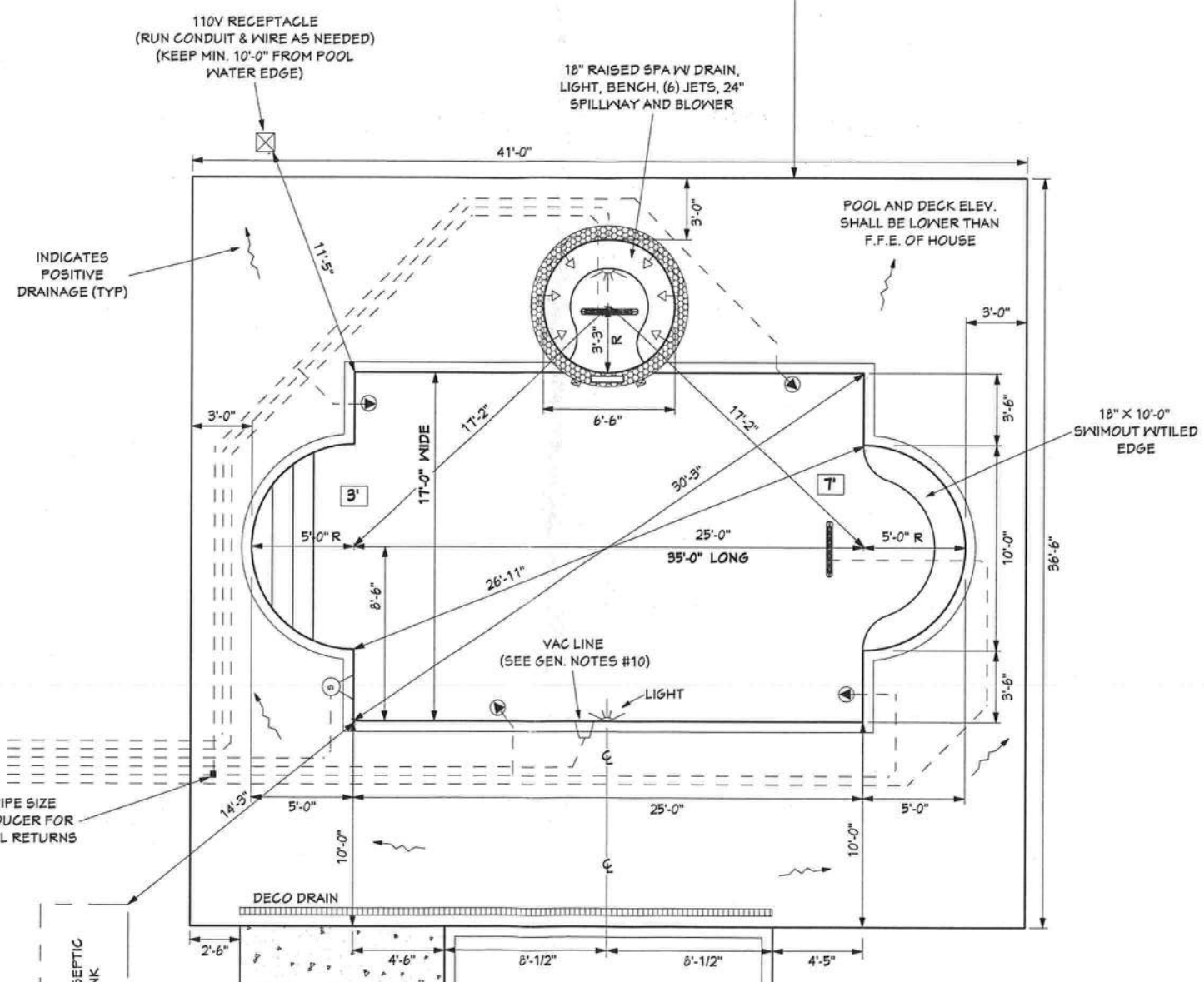
RAISER LEGEND



48" O. C. MAX. SPACE BETWEEN HANDHOLDS

INSTALL WHERE POOL DEPTH EXCEEDS 4'-0" ON RAISED BEAM WITHIN 12" ABOVE POOL WATERLINE

HANDHOLD DETAIL



POOL PLAN

SCALE 1/ 8" = 1'- 0"

POOL SPECIFICATIONS

POOL SIZE:	35'-0" X 17'-0"	POOL DEPTH:	3' TO 7'
POOL CAPACITY:	18,774 GAL.	TURNOVER RATE:	2.84 HR (12 HR MAX)
POOL S.F. :	502 SF	POOL PERIMETER:	96 LF

POOL EQUIPMENT

PUMP SIZE:	PENTAIR 2 HP / 220V	MODEL :	SUPERFLO 110 GPM MAX.
FILTER :	CARTRIDGE	MODEL :	TBD
CHLORINATOR:	SALT SYS.	MODEL :	HAYWARD
POOL RETURNS:	4	SKIMMER :	1
CLEANING LINE:	YES	LIGHT	(1) 300W
HEATER TYPE :	HEAT PUMP	MODEL - SIZE ;	RHEEM

WATER FEATURES

ROSETTE :	NONE	LION HEADS :	NONE
SHEER DESCENT :	NONE	DECK JETS :	NONE
SPRITZER :	NONE	JET ON S-O :	NONE
FEED LINE(S) :	NONE	BUBBLER :	NONE

FINISHING ITEMS

COPING:	OVERPOUR	HANDHOLD TYPE:	CERAMIC
TILE:	6"	NEW DECK :	CONCRETE - KOOL DECK
SWIMOUT SIZE:	18" X 10'-0"	NEW DECK SF. :	920 SF
EXIT RAILINGS:	NONE	CAPPING SF. :	NONE
AUTOMATION :	NONE	BENCH SIZE:	NONE
INTERIOR FINISH:	GEM	DECK-O-DRAIN:	26.2 LF

ADDITIONAL FEATURES

SCREEN ENCL :	NONE	FOOTER :	NONE

SPA SPECIFICATIONS

SPA SIZE:	6'-6" DIA.	DEPTH :	3'-0"
SPA PUMP :	NONE	SPA PERIMETER:	21 LF
JETS:	6	SPA S.F.:	33 SF
SPA CAPACITY:	740 GAL.	TURNOVER RATE:	0.11 HR
RAISED:	18"	LIGHT :	(1) 75W
GLASS BLOCKS:	NONE	BLOWER :	1.5 HP
SPILLWAY SIZE:	18"	ENTRY STEP :	NONE

NOTES

PERIMETER BARRIER : CHILD FENCE OR ALARMS BY OWNER PER SAFETY REQUIREMETS PAGE 2

AIR SWITCH INCL.

(2) 110V RECEPTACLES PER PLAN

FINAL DRAWING

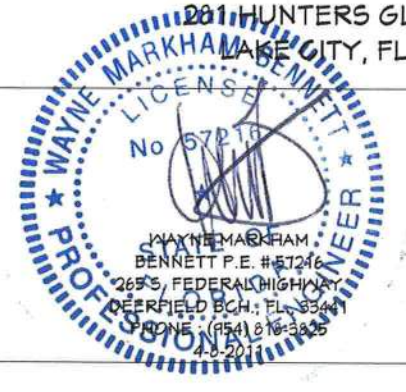
APPROVED FOR LAYOUT, DIMENSIONS & EQUIPMENT. I / WE UNDERSTAND THAT ANY CHANGES WILL INVOLVE AN ADDITIONAL CHARGE OF $350.00 FOR EVERY CHANGE MADE. ALSO NO ENGINEERED PLANS WILL BE PROCESSED WITHOUT ORIGINAL SIGNED SALES DRAWING. NO EXCEPTIONS.

X DATE :

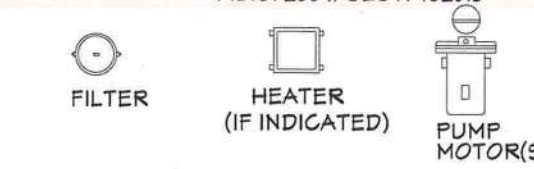
OUTBACK POOLS & WATERFALLS, INC.

931 NW SAVANNAH CIRC.
LAKE CITY, FL., 32055
Phon : (386) 755-9860-6677 / Fax : (386) 292-9295

ALEX MATHE
201 HUNTERS GLEN
LAKE CITY, FL.



ORDER#		DATE:	4-7-11
B.D.D.#	112392-B		1 OF 3



NOTE: ALL ANCHOR BOLTS THRU BASE SHALL BE 3/16" TAPCON FOR ALL EQUIP. NEEDED; SEE MANUF. SPECS. FOR ANY ADDITIONAL DETAILS OR ANCHORING POINTS.

COMPLIANT W/ F.B.C. 2007/301.13

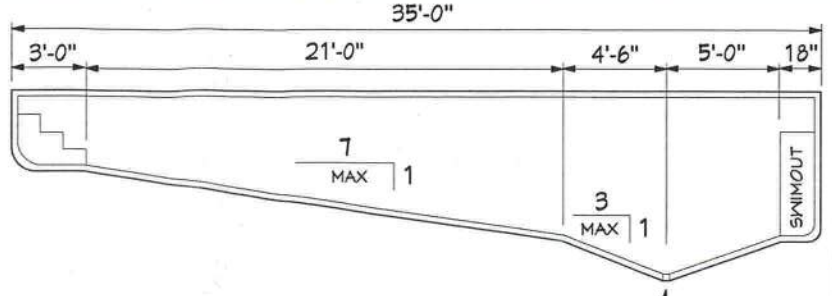
POOL EQUIPMENT ANCHORING

SAFETY REQUIREMENTS

PER FBC 2007 R4101.17.1 THROUGH R4101.17.3 & SECT. 424.2.17.1.1 THROUGH 424.2.17.1.14 RESIDENTIAL SWIMMING POOL MUST MEET ONE OF THE BELOW SAFETY FEATURES :

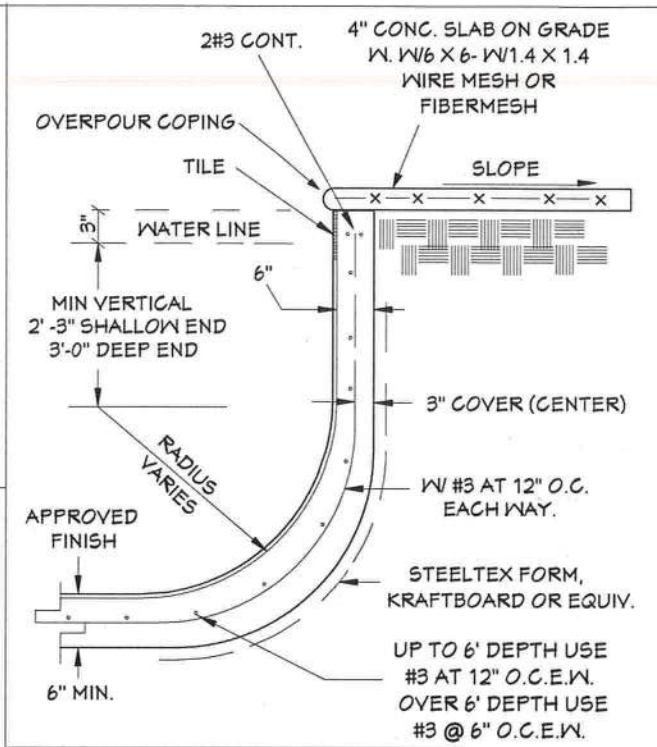
1. POOL MUST BE ISOLATED FROM ACCESS TO A HOME BY AN ENCLOSURE THAT MEETS THE POOL BARRIER REQ. OF S.515.29.
2. THE POOL MUST BE EQUIPPED W. AN APPROVED SAFETY POOL COVER.
3. ALL DOOR & WINDOWS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL MUST BE EQUIPPED WITH AN EXIT ALARM THAT HAS A MIN. SOUND PRESSU. RATING OF 85dB A AT 10 FEET.
4. ALL DOOR & WINDOWS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL MUST BE EQUIPPED WITH A SELF CLOSING SELF LATCHING DEVICE WITH A RELEASE MECHANISM PLACED NO LOWER THAN 54 IN. ABOVE THE FLOOR.

IMPORTANT NOTE:
NO DIVING BOARD AND NO DIVING IS ALLOWED ON ANY POOL LESS THAN 8'-0" DEEP AND SPECIFICALLY DESIGNED FOR DIVING.

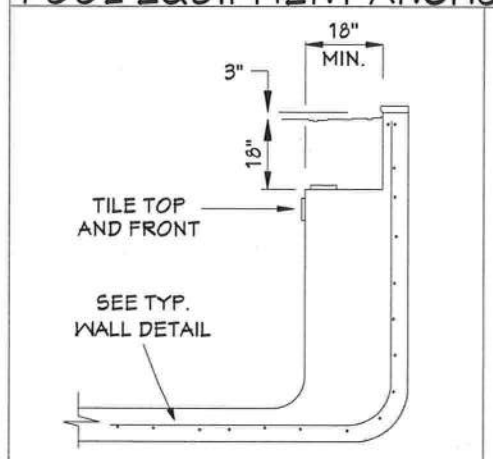


THIS POOL IS NOT DESIGNED FOR DIVING.

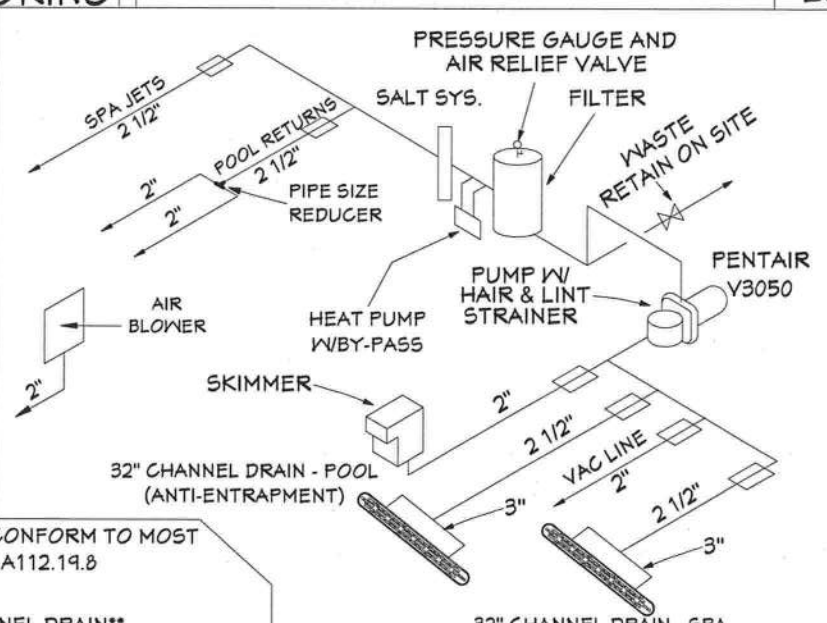
LONGITUDINAL POOL SECTION

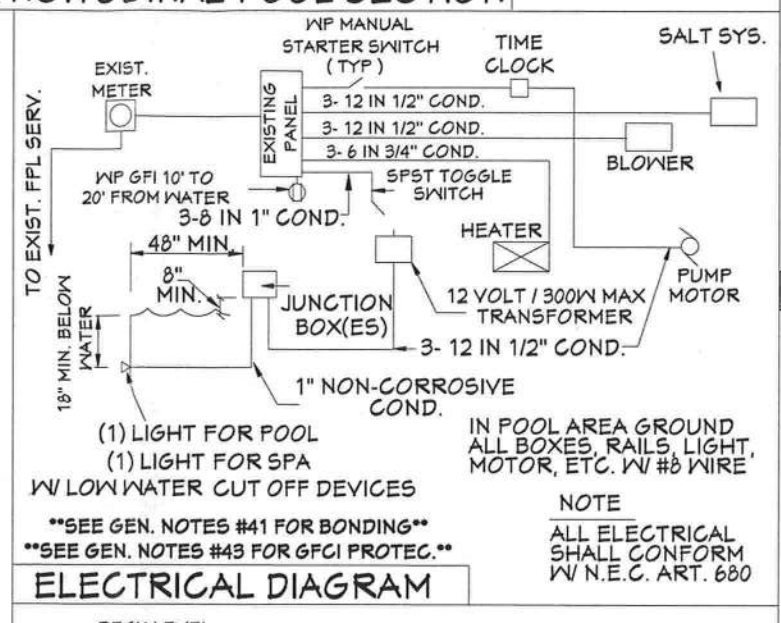


TYPICAL WALL SECTION



SWIMOUT DETAIL





SEE GEN. NOTES #41 FOR BONDING
SEE GEN. NOTES #43 FOR GFCI PROTEC.

ELECTRICAL DIAGRAM

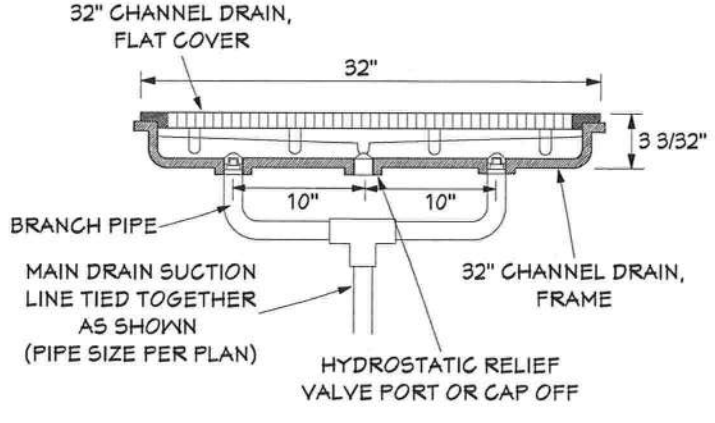
SUCTION OUTLETS COVER/GRATE MUST CONFORM TO MOST RECENT EDITION OF ASME/ANSI A112.19.8

OPTION #1

** AQUASTAR: 32CDFL 32" CHANNEL DRAIN**
316 GPM-FLOOR/208 GPM-WALL/ SINGLE PORT /25.9 SQ. IN. OPEN AREA

OPTION #2

** WATERWAY : 640-13xx-V 32" CHANNEL DRAIN**
288 GPM-FLOOR/232 GPM-WALL / SINGLE PORT /37.1 SQ. IN. OPEN AREA

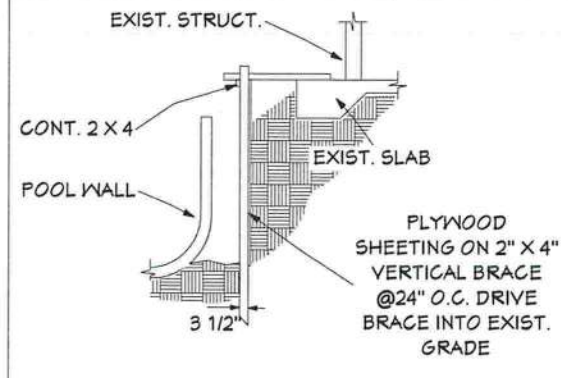


3" BRANCH PIPE = 4.98 ft/sec (MAX. 6 ft/sec)
2 1/2" SUCTION PIPE = 7.18 ft/sec (MAX. 8 ft/sec)
2 1/2" RETURN PIPE = 7.18 ft/sec (MAX. 10 ft/sec)

MAIN DRAIN DETAIL

SEE GEN. NOTES #7, 8
PER F.B.C. 2007/ SECT. 424.2.6.6. & ANSI/APSP-7

PIPING SCHEMATIC

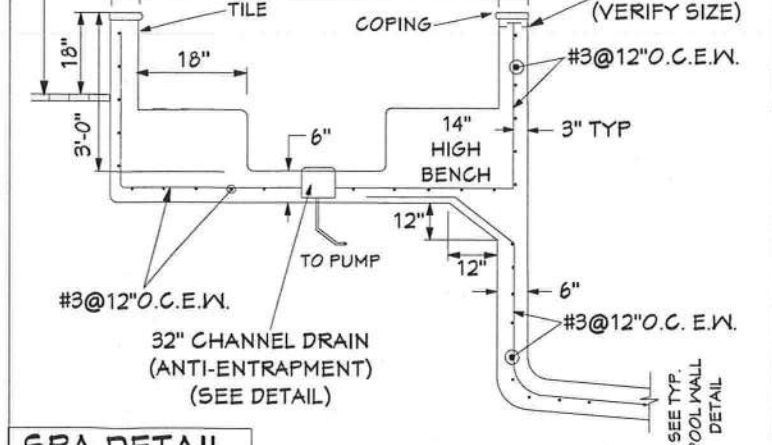


NOTES

1. SHEETING WILL BE REQUIRED BETWEEN THE EXISTING PORCH OR RESIDENCE AND THE PROPOSED POOL. SHEETING SHALL REMAIN UNTIL THE CONCRETE ATTAINS INITIAL STRENGTH AND THE AREA IS BACKFILLED.
2. ABOVE REQUIREMENTS ARE MINUMUM AND ACTUAL SHEETING DESIGN SHOULD BE DETERMINED IN THE FIELD IN ACCORDANCE WITH THE SITE CONDITIONS.
3. A TEMPORARY GUTTER IS RECOMMENDED UNTIL AREA IS BACKFILLED AND CONCRETE IS IN PLACE.

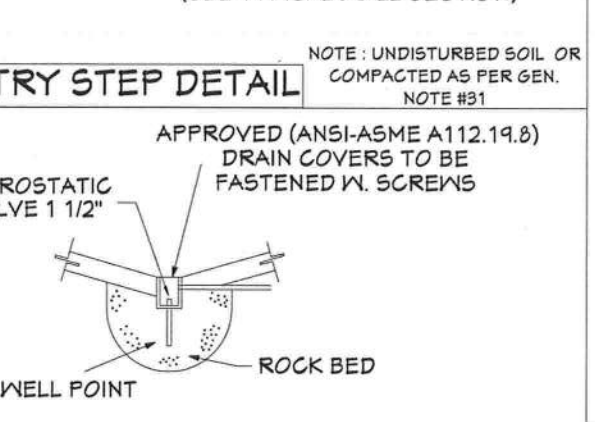
IF REQUIRED

SHEETING & SHORING DETAIL



SPA DETAIL

SEE GEN. NOTES #31 FOR COMPACTION

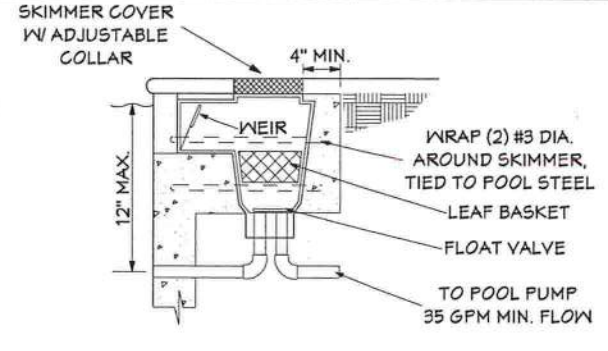


ENTRY STEP DETAIL

NOTE : UNDISTURBED SOIL OR COMPACTED AS PER GEN. NOTE #31

WELL POINT DETAIL

SKIMMERS SHALL BE INSTALLED ON THE BASIS OF ONE PER 800 SF OF SURFACE AREA OR FRACTION THEREOF.



SKIMMER DETAIL

WAYNE MARKHAM BENNETT
P.E.# 57216
765 S. FEDERAL HIGHWAY
DEERFIELD BCH., FLA. 33441
4-8-2011

OUTBACK
POOLS & WATERFALLS, INC.

A. MATHE
RESIDENCE

DATE: 4-7-11
SHEET 2 OF 3
ORDER # -
BDD # 112392-B

GENERAL NOTES

1- CODE REQUIREMENTS :
PRIVATE SWIMMING POOL AND SPAS MUST COMPLY WITH CHAPTER 424 & R4101 FLORIDA BUILDING CODE 2007

2- MECHANICAL REQUIREMENTS :
ALL PIPING EQUIPMENT AND MATERIALS USED IN THE PLUMBING SYSTEM OF SWIMMING POOLS AND SPAS THAT ARE BUILT IN PLACE SHALL CONFORM TO THE FLORIDA BUILDING CODE, PLUMBING 424.2.3 & R4101.3 . ALL PIPING MATERIALS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION STANDARDS.

3- COMPLIANCE :
ALL MATERIALS, PIPING, VALUES, EQUIPMENT OR APPLIANCES ENTERING INTO THE CONSTRUCTION OF SWIMMING POOLS-SPAS OR PORTIONS THEREOF SHALL BE OF A TYPE COMPLYING WITH THE CODE OR OF A TYPE RECOMMENDED AND APPROVED BY A NATIONALLY RECOGNIZED TESTING AGENCY OR CONFORMING TO OTHER RECOGNIZED STANDARDS ACCEPTABLE TO ADMINISTRATIVE AUTHORITY.

4- ENGINEERING DESIGN :
DESIGN, CONSTRUCTION AND WORKMANSHIP SHALL BE IN COFORMITY WITH ANSI/NSPI 3, 4, 5 AND 6 2003, PUBLISHED BY THE INTERNATIONAL AQUATICS FOUNDATION OR OTHER ACCEPTED ENGINEERING PRACTICES.

5- TESTING AND CERTIFICATION :
ALL POOL AND SPA SUCTION INLETS SHALL BE PROVIDED WITH A COVER THAT HAS BEEN TESTED AND ACCEPTED BY A RECOGNIZED TESTING FACILITY AND COMPLY WITH ANSI/ASME A112.19.8M " SUCTION FITTINGS FOR USE IN SWIMMING POOLS, SPAS, HOT TUBS AND WHIRPOOL BATHTUB APPLIANCES". EXCEPTION : SURFACE SKIMMERS.

6- SAFETY NOTE :
DO NOT USE OR OPERATE POOL OR SPA IF THE SUCTION INLET FITTING IS BROKEN, MISSING OR LOOSE.

7-WATER VELOCITY PER ANSI/APSP-7 2006 #4.4
WATER VELOCITY IN FIELD FABRICATED PIPING IS BASED ON THE MAX. SYSTEM FLOW RATE. MAX. WATER VELOCITY IN BRANCH PIPING (THE PIPING BETWEEN THE DRAINS) SHALL BE LIMITED TO 6 FEET PER SECOND /FPS WHEN ONE OF A PAIR IS BLOCKED. IN NORMAL OPERATION THEN, THE BRANCH SUCTION PIPING VELOCITY IS 3 FEET PER SECOND /FPS. ALL OTHER SUCTION PIPING VELOCITIES SHALL BE 6 FPS FOR PUBLIC POOLS OR 8 FPS FOR RESIDENTIAL POOLS.

8-MAX. SYSTEM FLOW RATE PER ANSI/APSP-7 2006 #4.4.1
THE MAXIMUM SYSTEM FLOW RATE SHALL BE DETERMINED BY ONE OF THE FOLLOWING:
- TDH CALCULATION FOR THE CIRCULATION SYSTEM OF EACH PUMP, OR
- SIMPLIFIED TDH CALCULATION, OR
- THE MAX. FLOW CAPACITY (DETERMINE FROM PUMP FLOW CURVE) OF THE NEW OR REPLACEMENT PUMP (WHICH SHALL BE LIMITED BY THE CRITERIA OF ANSI/APSP-7 #4.4

IMPORTANT NOTE : IF THE MAX. PUMP FLOW RATE GREATER THAN DRAIN FLOW RATE OR 8 FPS SUCTION FLOW RATE OR 10 FPS DISCHARGE FLOW RATE, THEN THE "MAX. FLOW FROM THE PUMP CURVE" OPTION HAS FAILED.
IF SO, THE TOTAL DYNAMIC HEAD TDH CALCULATION SHALL BE REQUIRED TO DETERMINE IF THE SYSTEM IS ACCEPTABLE. USING TDH, DETERMINE NEW MAX. FLOW RATE FROM PUMP CURVE, IF IT IS GREATER THAN DRAIN FLOW RATE OR 8 FPS SUCTION FLOW RATE OR 10 FPS DISCHARGE FLOW RATE, THE SYSTEM IS NOT ACCEPTABLE.
- IF A VARIABLE SPEED PUMP IS USED, USE THE MAX. PUMP FLOW IN CALCULATIONS
- FOR SIDE DRAINS, USE APPROPRIATE SIDE WALL DRAIN FLOW AS PUBLISHED BY MANUFACTURER
- IN-FLOOR SUCTION OUTLET COVER/GRATE MUST CONFIRM TO MOST RECENT EDITION OF ASME/ANSI A112.19.8 AND BE EMBOSSED WITH THAT EDITION
- PUMP, FILTER & HEATER MAKE AND MODEL CANNOT CHANGED AND EQUIPMET LOCATION CANNOT BE MOVED CLOSER TO POOL WITHOUT SUBMITTING A REVISED PLAN AND TDH CALCULATION FOR APPROVAL
- MIN. SYSTEM FLOW BASED ON MI. FLOW PER SKIMMER OF 35 GPM
- SYSTEM FLOW RATE MUST NOT EXCEED APPROVED COVER FLOW RATES
- CENTER TO CENTER DISTANCE BETWEEN THE SUCTION PIPE OUTLETS SHALL BE 36 INCH MIN.
- CHANNEL TYPE (WITH 2 OR 3 OUTLETS IN ONE PORT) SHALL BE AT LEAST 3" WIDE BY 31" LONG

9- PUMP :
PER FBC 424.2.7.1 STRAINER. POOL CIRCULATING PUMPS SHALL BE EQUIPPED ON THE INLET SIDE WITH AN APPROVED TYPE HAIR AND LINT STRAINER WHEN USED WITH A PRESSURE FILTER. PER 424.2.7.2 INSTALLATION TO BE COMPLETED IN ACCORDANCE MANUF'S RECOMMEDATIONS. PER 424.2.7.3 CAPACITY ; PUMPS SHALL HAVE DESIGN CAPACITY AT THE FOLLOWING HEADS; 1) PRESSURE DIATOMACEOUS EARTH-A LEAST 60 FEET, 2) VACUUM D.E. 20 INCH VACUUM ON THE SUCTION SIDE AND 40 FEET TOTAL HEAD , 3) RAPID SAND - AT LEAST 45 FEET, 4)HIGH RATE - AT LEAST 60 FEET. PER 424.21.5 PUMP IMPELLERS, SHAFT, WEAR RINGS AND OTHER WORKING PARTS SHALL BE CORRISION RESISTANT MATERIALS.

10- CLEANER FITTINGS :
PER ANSI/NSPI-5 9.12.10, THE VACUUM OR PRESSURE CLEANER FITTING(S) SHALL BE LOCATED IN AN ACCESSIBLE POSITION AT LEAST 6 INCHES AND NOT GREATER THAN 18 INCHES BELOW THE MINUMUM OPERATING WATER LEVEL, OR AS AN ATTACHMENT TO THE SKIMMER.ALL CLEANER SUCTION INLETS SHALL BE PROTECTED BY AN APPROVED, PERMANENTLY INSTALLED, SELF CLOSING FLAPPER ASSEMBLY.

11- VALVE :
PER FBC 424.2.8.1 & R4101.8.1 VALVES SHALL BE MADE OF MATERIALS THAT ARE APPROVED IN THE FLORIDA BUILDING CODE, PLUMBING. VALVES LOCATED UNDER CONCRETE SLABS SHALL BE SET IN A PIT HAVING A LEAST DIMENSION OF FIVE PIPE DIAMETERS, MINIMUM 10 INCHES, FITTED WITH A SUITABLE COVER

11- WASTE WATER DISPOSAL :
PER FBC 424.2.10 & R4101.10 DIRECT OR INDIRECT CONNECTIONS CANNOT BE MADE TO EXISTING FACILITIES WITHOUT THE PRIOR APPROVAL OF THE ADMINISTRATIVE AUTHORITY.

13- WATER SERVICE :
PER FBC 424.2.9 & R4101.9 BACKFLOW PREVENTION DEVICE REQUIRED ON ALL POTABLE WATER SERVICE

14- TESTS :
ALL POOL PIPING SHALL BE INSPECTED AND APPROVED BEFORE COVER OR CONCEALMENT. IT SHALL BE TESTED ANDPROVED TIGHT UNDER A STATIC WATER OR AIR PRESSURE TEST OF NOT LESS THAN 35 PSI FOR 15 MINUTES. PER MANUFACTURER'S RECOMMENDATIONS, NO AIR TEST SHALL BE APPROVED FOR PVC PIPE AND FITTINGS. SECTION 424.2.12.1 & R4101.12.2 PRESSURE TESTS.

15- WATER HEATING EQUIPMENT :
SWIMMING POOL WATER HEATING EQUIPMENT SHALL CONFORM TO THE DESIGN CONSTRUCTION AND INSTALLATION REQUIREMENTS IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES AND SHALL BEAR THE LABEL OF A RECOGNIZEDTESTING AGENCY, AND SHALL INCLUDE A CONSIDERATION OF COMBUSTION AIR, VENTING AND GAS SUPPLY REQUIREMENTS FOR WATER HEATERS SEC. 424.2.14.1 & R4101.14.1. IT MUST CONTAIN A THERMOSTATIC OR HIGH PRESSURE CONTROL SWITCH SO THE POOL WATER DOES NOT EXCEED 104 DEGREES F. SEC. 424.2.14.4 & R4101.14.4 WATER HEATING EQUIPMENT SHALL BE INSTALLED WITH FLANGES OR UNION CONNECTIONS ADJACENT TO THE HEATER. WATER HEATING EQUIPMENT-SWIMMING POOL WATER HEATING EQUIPMENT SHALL COMPLY WITH FBC 412.1 ALL HEATERS MUST HAVE AN INTERNAL CHECK VALE. PER FBC 13-612.1 ABC.2.3.2 THE POOL AND SPA SHALL BE PROVIDED WITH A COVER TO REDUCE HEAT LOSS (IF REQUIRED BY THE CITY)

16- GAS PIPING :
GAS PIPING SHALL COMPLY WITH FBC, FUEL GAS SEC. 424.2.15 & R4101.15

17- ELECTRICAL :
POOL LOCATION AND ELECTRICAL WIRING AND EQUIPMENT SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE 2008, SPECIFICALLY SECTION 680.

18- LADDERS AND STEPS :
PER FBC 424.2.18 & R4101.18 ALL POOLS SHALL BE PROVIDED WITH A LADDER OR STEPS INTHE SHALLOW END WHERE WATER EXCEEDS 24 INCHES. WHERE WATER DEPTH EXCEEDS 5 FEET, THERE SHALL BE LADDERS, STAIRS OR UNDERWATER BENCHES/SWIMOUTS IN THE DEEP END.

19- FILTERS :
PER FBC 424.2.20 & R4101.20 THE ENTIRE DESIGN OF MATCHED COMPONENTS SHALL HAVE SUFFICENT CAPACITY TO PROVIDE A COMPLETE TURNOVER OF POOL WATER IN 12 HOURS OR LESS.

20- POOL FITTINGS :
PER FBC 424.2.21 & R4101.21 POOL FITTINGS SHALL BE OF AN APPROVED TYPE AND DESIGN AS TO BE APPROPRIATE FOR THE SPECIFIC APPLICATION. PER FBC 424.2.13.2 JOINTS AND C CONNECTIONS, FBC PLUMBING SEC. 605.21, PURPLE PRIMER REQUIRED ON PVC PIPING

21- SKIMMERS :
PER FBC 424.2.21.2 & R4101.21.4 SKIMMERS SHALL BE INSTALLED ON THE BASIS OF ONE PER 800 SF OF SURFACE AREA OR FRACTION THEREOF.

22- HYDROSTATIC RELIEF DEVICE :
PER FBC 424.2.21.4 & R4101.21.4 IN AREAS OF ANTICIPATED WATER TABLE, AN APPROVED HYDROSTATIC RELIEF DEVICE SHALL BE INSTALLED. EXCEPTION IS PLASTIC LINER POOLS.

23- CONCRETE / STEEL :
CONCRETE IS TO BE A MIX DESIGNED IN ACCORDENCE WITH ASTM C-94 BY A RECOGNIZED TESTING LABORATORY TO ACHIEVE A STRENGTH OF 3000 PSI, AT 28 DAYS (UNLESS OTHERWISE NOTED) WITH A PLASTIC AND WORKABLE MIX. PNEUMATICALLY APPLIED CONCRETE AND/OR SHOTCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304.2R-04 AND ACI 506.2-04, RESPECTIVELY. ALL OTHER CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304R-04. A CERTIFICATE OF MANUFACTURER'S MIX AND STRENGTH IS TO BE PROVIDED. NO WATER IS TO BE ADDED AFTER TRUCK LEAVES PLANT WITHOUT APPROVAL OF ENGINEER. PLANT CONTROL IS REQUIRED. MAXIMUM MIX TIME AT POINT OF DEPOSIT IS 90 MINUTES. CONCRETE WORK SHALL BE AS PER REQUIREMENTS AND RECOMMENDATIONS OF ACI 301-04. REINFORCING, DEFORMED STEEL BARS SHALL BE A615 GRADE 40 (UNLESS OTHERWISE NOTED), FREE FROM OIL, LOOSE SCALE AND LOOSE RUST. REINFORCING, DEFORMED STEEL BARS SHALL BE BENT, LAPPED, PLACED, SUPPORTED AND FASTENED ACCORDING TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES (ACI 315-04) AND THE BUILDING CODE REQUIREMENTS FOR REINFORCING CONCRETE (ACI 318-04). IN CASE OF CONFLICT, THE MORE CONSERVATIVE VALUE(S) SHALL BE USED.

24- SOIL STATEMENT :
IN ACCORDANCE WITH FBC SECTION 1818, HVHZ BEARING CAPACITY OF SOIL ; BASED UPON RATIONAL ANALYSIS AND KNOWN VALUES IN THE VICINITY, THE IN-PLACE BEARING CAPACITY OF THE SOIL BENEATH THE POOL AND RELATED STRUCTURES SHOWN WITHIN THESE PLANS IS 2000 PSF AFTER EXCAVATION AND COMPACTION IN ACCORDANCE WITH CURRENT EDITION OF FBC. SHOULD ANY MUCK, MARL OR OTHER ORGANIC SOILS BE DISCOVERED ON EXCAVATION, THEY SHOULD BE REMOVED IN THEIR ENTIRETY. ALL CONSTRUCTION SHALL STOP AND THE ENGINEER OF RECORD SHALL BE CONTACTED TO CONDUCT AN INSPECTION, STRUCTURAL ELEMENTS ARE DESIGNED WITH A REQUIRED BEARING CAPACITY OF 2000 PSF, UNLESS OTHERWISE SPECIFIED.

25- POOL STAKING :
THIS DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR POOL CONSTRUCTION IN EASEMENT OR REQUIRED SETBACKS AREAS. PLOT PLANS NOT PREPARED FROM LEGAL SURVEYS OF THE EXISTING LOT AND RESIDENCE ARE SO INDICATED. THE POOL CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND ESTABLISH LOT LINES & LOCATION OF UTILITIES AT THE SITE AND CONTACT THE H.C.E. IF DIFFERENT THAN INDICATED ON PLAN. MINIMUM CLEARENCE DIMENSIONS SHALL BE HELD AS REQUIRED BY THE LOCAL REGULATORY AGENCY.

26- EXISTING STRUCTURES :
THE POOL CONTRACTOR SHALL ALWAYS TAKE ALL PRECAUTIONS TO PROTECT EXISTING STRUCTURES FROM FAILURE BY SHEETING AND/OR SHORING OR OTHER METHODS. THE DESIGN ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE SAFETY OF EXISTING STRUCTURES.
IN CASE OF FOOTINGS UNDERMINING, CONTRACTOR SHALL POUR CONCRETE BETWEEN POOL AND FOOTING. TOP OF CONCRETE SHALL BE BOTTOM OF FOOTING, WIDTH OF POURED CONCRETE SHALL BE FOOTING WIDTH AT A MINUMUM

27- PIPING :
PIPING SHALL BE SCH. 40 BEARING NSF APPROVAL PER FBC 2007 R4101. PIPING CAN BE (IF NEEDED) ENCASED IN THE CONCRETE OF THE POOL SHELL.

28- CONCRETE SLABS :
ALL POOL EQUIPMENT SLABS SHALL COMPLY WITH SECTION 1820.3 OF FBC 2007

29- HANDHOLD :
ANSI-NSPI-5 ARTICLE XV SECTION 15.13. A SECURED ROPE OR CERAMIC HANDHOLDS MUST BE PLACED AT OR NO MORE THAN 12" ABOVE THE NORMAL WATERLINE OF THE POOL

30- POWER LINE :
OVERHEAD ELECTRIC LINES MUST BE LOCATED 10 FEET AND UNDERGROUND ELECTRIC LINES MUST BE LOCATED 5 FEET FROM POOL WATER EDGE.

31- BACKFILL & COMPACTION
BACKFILL CONSTRUCTION AREAS TO PROPER ELEVATION, IF NEEDED USING CLEAN GRANULAR MATERIAL FREE OF ORGANICS AND OTHER DELETERIOUS MATERIALS AND PLACED IN LIFTS NOT TO EXCEED 12 INCHES IN THICKNESS AND COMPACTED TO 95% OF THE ASTM D-1557 MODIFIED PROCTOR METHOD. BACKFILLING SHALL COMMENCE ONLY FOLLOWING REMOVAL FROM EXCAVATION OF ALL FORMS, WOOD, DEBRIS, AND OTHER DELETERIOUS MATERIALS. COMPACTION SHALL BE WITH EQUIPMENT SUITED TO SOIL BEING COMPACTED. MOISTEN OR AERATE MATERIAL AS NECESSARY TO PROVIDE MOISTURE CONTENT COMPACT EACH LAYER TO NOT LESS THAN PERCENTAGE OF THAT WHICH WILL READILY FACILITATE OBTAINING SPECIFIED COMPACTION WITH EQUIPMENT USED. ENSURE THAT THE COMPACTION OF PREVIOUSLY PREPARED FILL AREAS HAS BEEN MAINTAINED PRIOR TO PLACING NEW LAYERS. AFTER INSTALLATION OF ANY PLUMBING AND ELECTRICAL PIPING DISTURBED AREAS SHALL BE RECOMPACTED.

32- ENTRAPMENT TESTING AND CERTIFICATION :
ALL POOL AND SPA SUCTION INLETS SHALL BE PROVIDED WITH A COVER THAT HAS BEEN TESTED AND ACCEPTED BY A RECOGNIZED TESTING FACILITY AND COMPLY WITH ANSI/ASME A112.19.8 " SUCTIONFITTINGS FOR USE IN SWIMMING POOLS, SPAS, HOT TUBS AND WHIRLPOOL BATHTUB APPLIANCES." EXCEPTION : SURFACE SKIMMERS.

33- WARNING :
TO EMPTY POOL AFTER CONSTRUCTION, FOR REPAIRS OR ANY OTHER REASON, THE HYDROSTATIC UPLIFT PRESSURES BENEATH THE POOL MUST BE ELIMINATED TO PREVENT THE POOL FROM FLOATING UPWARD. THE OWNER MUST CONSULT A POOL CONTRACTOR OR POOL REPAIR CONTRACTOR EXPERIENCED IN ELIMINATING UPLIFT PRESSURES.

34- NOTE 1 :
THIS PLAN IS NOT TRANSFERABLE FROM ONE CONTRACTOR TO ANOTHER

35- NOTE 2 :
UNLESS OTHERWISE SPECIFIED, ALL DETAILS SHOWN ARE NOT TO SCALE.

36- NOTE 3 :
POOL WALL SHALL BE REINFORCED WITH #3@8" O.C.E.W. WHERE LESS THAN 5 FEET FROM ANY EXISTING STRUCTURE OR PATIO (SEE SHEETING & SHORING DETAIL)

37- NOTE 4 :
POOL AND DECK ELEVATION SHALL BE LOWER THAN FINISH FLOOR ELEVATION OF THE HOUSE

38- NOTE 5 :
THERE IS ALWAYS THE POSSIBILITY THAT CONDITIONS IN THE FIELD MAY BE DIFFERENT FROM THOSE INDICATED IN AN ENGINEERING PERMIT DRAWINGS; THEREFORE, IF DIFFERENT CONDITIONS ARE ENCOUNTERED BEFORE OR DURING CONSTRUCTION, THE ENGINEER OF RECORD SHALL BE NOTIFIED TO REVIEW THE FINDINGS AND MAKE RECOMMENDATIONS AS NEEDED.

39- NOTE 6 :
STRUCTURAL ENGINEER MUST CERTIFY OR DESIGN REPLACEMENT ANCHOR AND DEADMAN SYSTEM FOR SEAWALL WITH IN 15 FEET OF POOL.SEAWALL ANCHOR SYSTEM INSTALLATION MUST BE COMPLETE PRIOR TO START OF POOL CONSTRUCTION.

40- NOTE 7 :
NO DIVING BOARD AND NO DIVING IS ALLOW ON ANY POOL LESS THAN 8 FEET DEEP AND SPECIFIALLY DESIGN FOR DIVING

41- BONDING
CONTINUOUS SINGLE #8 AWG BARE COPPER WIRE SHALL BE BURIED TO A MIN. 4" TO 6" BELOW SUBGRADE, 18" TO 24" FROM INSIDE THE WALL OF SWIMMING POOL- SPA AROUND THE SWIMMING POOL-SPA PERIMETER, AND SHALL BE CONNECTED TO THE POOL STEEL REINFORCEMENT AT A MIN. 4 DIFFERENT LOCATIONS, EQUALLY SPACED.

42- NOTE 8 :
IT IS THE CONTRACTOR RESPONSIBILITY TO PROVIDE THE ENGINEER WITH AN ACCURATE SURVEY AND DRAWINGS THAT REPRESENTS THE EXISTING FIELD CONDITIONS, I.E. ADDITIONS, TREES, AC PADS, WALKWAYS, ETC.

43- GFCI PROTECTION
GFCI PROTECTION ; OUTLETS SUPPLYING POOL PUMP MOTORS FROM BRANCH CIRCUITS WITH SHORT-CIRCUIT AND GROUND -FAULT PROTECTION RATED 15 OR 20 AMPERES, 125 VOLT OR 240 VOLT, SINGLE PHASE, WHETHER BY RECEPTACLE OR DIRECT CONNECTION SHALL BE PROVIDED WITH GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL PER NEC 2008 680.22 (B)

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