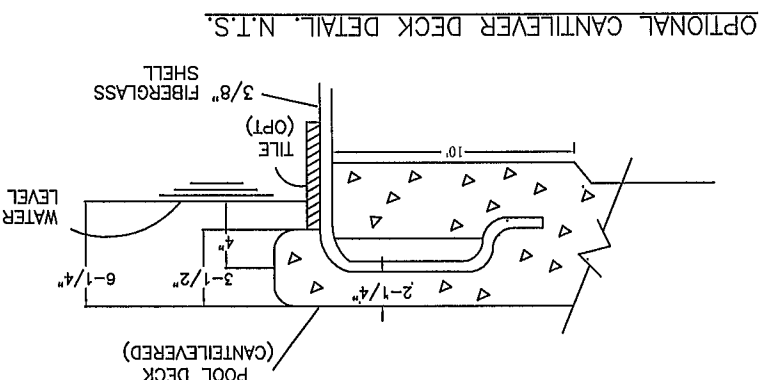
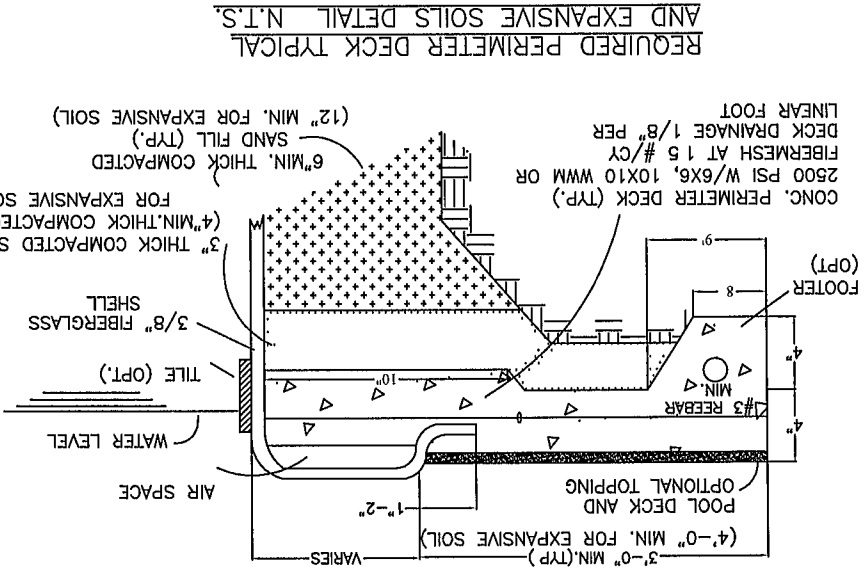
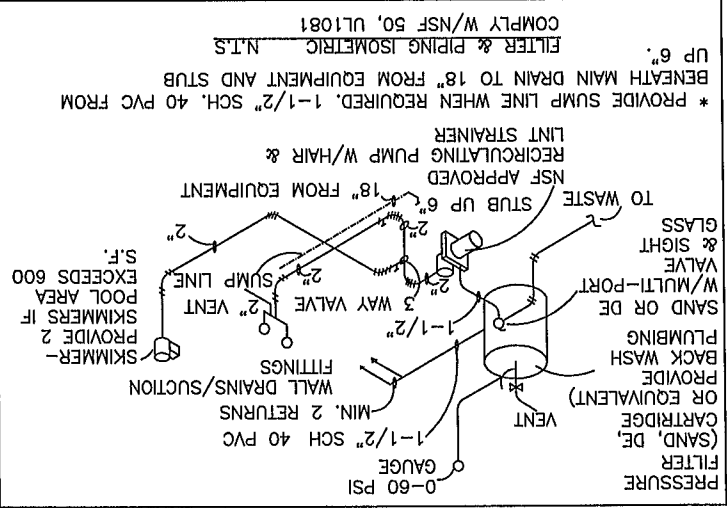


ITEM	VENDOR	QTY	MODEL/PART NO.	DESCRIPTION
1	HAYWARD MFG. CO. OR EQUAL	*	SP-1023	INLET-RETURN 1-1/2" WHITE CYCLO
2	HAYWARD MFG. CO. OR EQUAL	*	SP-1418-C	INLET-DIRECTIONAL FLOW WHITE CYCLO "HYDRO-STEAM" W/ 1/2" HOLE
3	WATER WAY PLASTICS OR EQUAL	*	6-40-358X V	WALL DRAIN/SUCTION FITTING 2-1/2" (ASME/ANSI A112.18.8-2007 COMPLIANT)
4	HAYWARD MFG. CO. OR EQUAL	*	SP-1077 OR 1084	SKIMMER
5	HAYWARD MFG. CO. OR EQUAL	*	SP-0607	LIGHT NICHIE EASY PVC W/ 1" CONDUIT CONNECTION
6	HAYWARD MFG. CO. OR EQUAL	*	SP-0580	LIGHT EASY 100 WATT, 12 VOLT
7	HAYWARD MFG. CO. OR EQUAL	*	WO-1049-AV	MAIN DRAIN COVER (ASME/ANSI A112.18.8-2007 COMPLIANT)
8	HAYWARD MFG. CO. OR EQUAL	*	SP-1058	HYDROSTATIC RELIEF VALVE (OPTIONAL)
* QUANTITIES SPECIFIED AT CONSTRUCTION				



GENERAL DESIGN REQUIREMENTS

DESIGN DIMENSIONS SHALL COMPLY WITH SPECIFICATIONS IN ANSI/NSPI 5 RESIDENTIAL INGROUND SWIMMING POOLS BASED ON THE POOL TYPE AND NSPI 3 PERMANENTLY INSTALLED RESIDENTIAL SPAS.

SEE ANSI/NSPI 5 FOR DIVING WATER ENVELOPES, SLIDES SHALL MEET THE MANUFACTURER'S INSTALLATION REQUIREMENTS.

ENTRY/EXIT: SHALL COMPLY WITH ANSI/NSPI 5 AND NSPI 3, LADDERS, UNDERWATER SEATS, AND SWIMMOUNTS (MAX.20" BELOW WATER).

CIRCULATION SYSTEMS, COMPONENTS AND EQUIPMENT SHALL COMPLY WITH NSF 50. THE MAXIMUM TURNOVER RATE IS 12 HOURS.

FILTERS SHALL HAVE AN AIR RELIEF AND PRESSURE GAGE. PUMPS 3 HP AND LESS SHALL MEET ANSI/UL1081, CORROSION RESISTANT WITH STRAINER AND MEET THE REQUIRED FLOW.

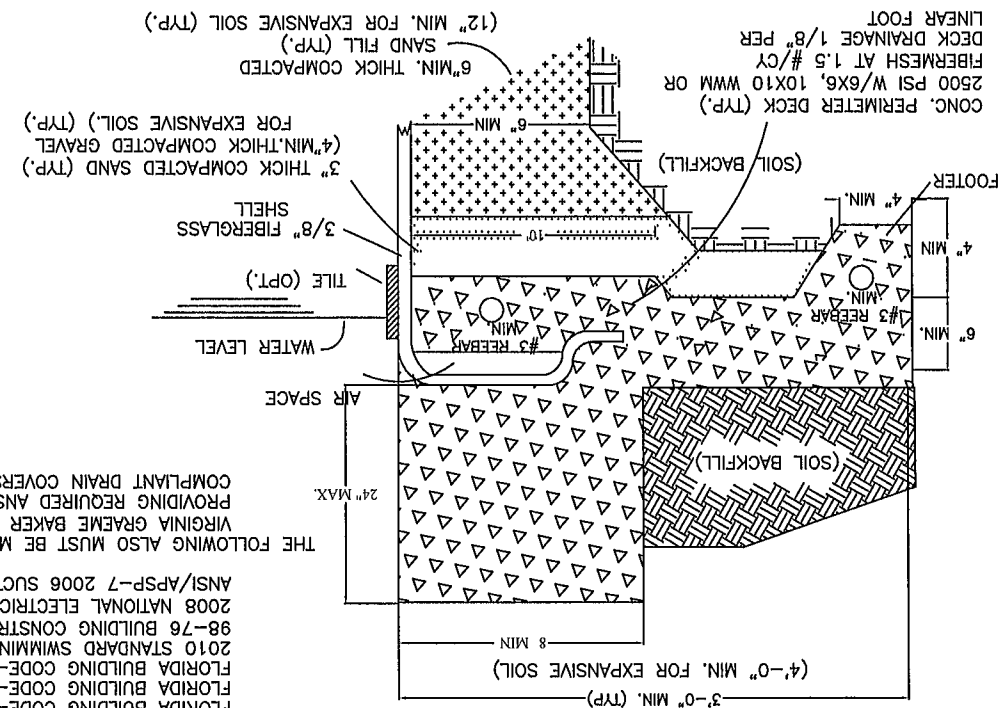
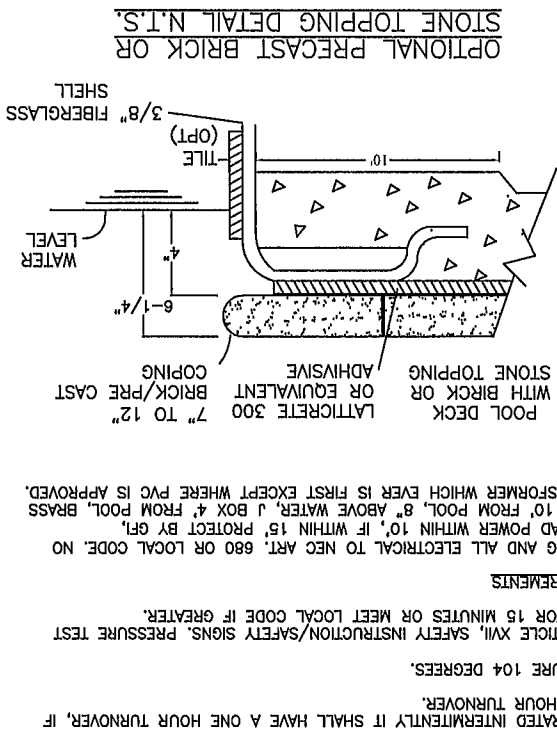
SURFACE SKIMMERS SHALL MEET NSF 50 AND THERE SHALL BE ONE FOR EVERY 800 SQUARE FEET OF SURFACE AREA.

RETURN INLETS SHALL BE A MINIMUM OF ONE FOR EVERY 600 SQUARE FEET. HEATERS SHALL MEET ANSI-Z21.56 OR UL1261 OR UL659 DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF 50.

PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER.

PIPE SIZING CHART (MAXIMUM)

PIPE	SUCTION	PRESSURE
4"	317	396
3"	184	230
2 1/2"	119	147
2"	83	105
1 1/2"	50 GPM	65 GPM



POOL AND DECK TYPICAL AND EXPANSIVE SOILS DETAIL N.I.S.

OPTIONAL PRECAST BRICK OR STONE TOPPING DETAIL N.I.S.

REQUIRED PERIMETER DECK TYPICAL AND EXPANSIVE SOILS DETAIL N.I.S.

OPTIONAL CANTILEVER DECK DETAIL N.I.S.

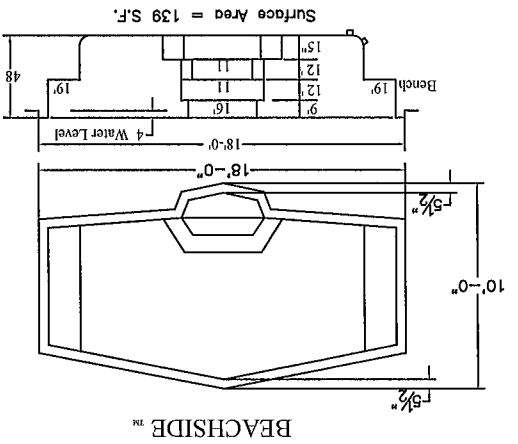
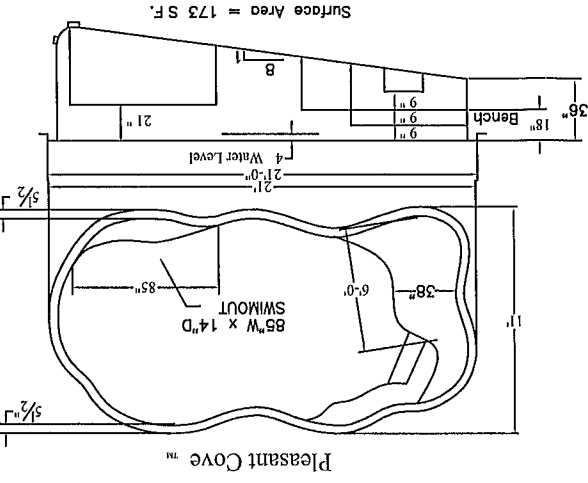
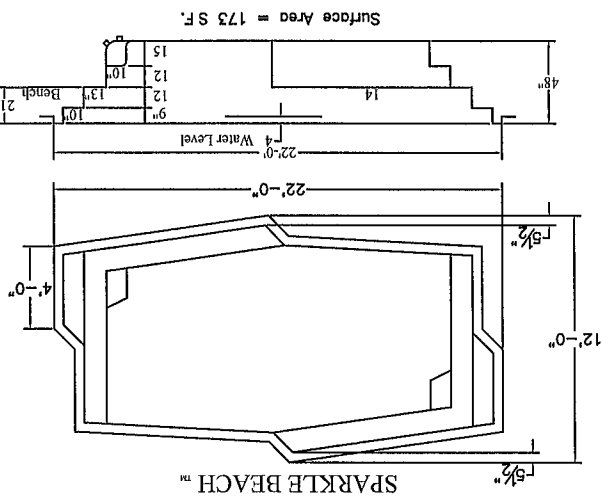
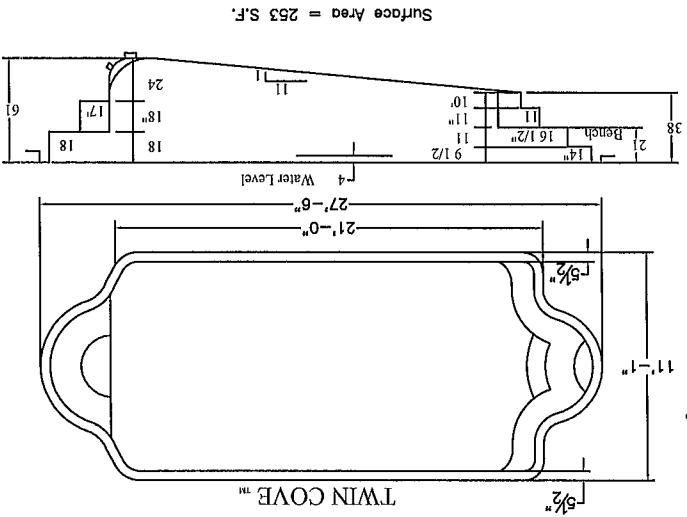
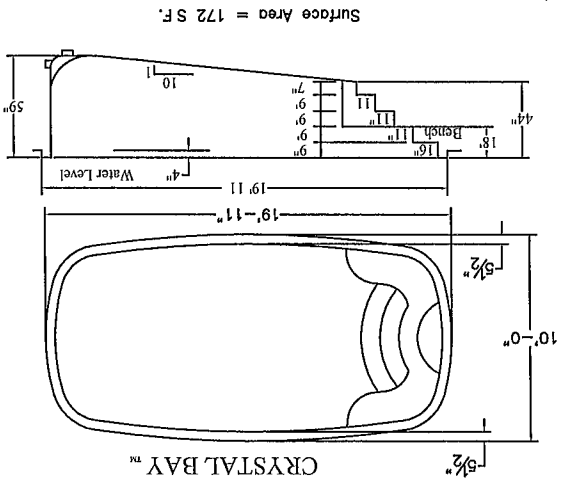
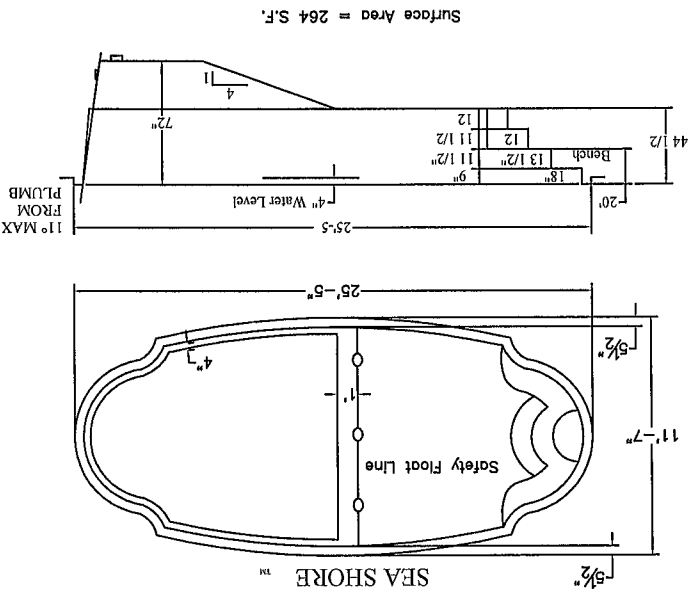
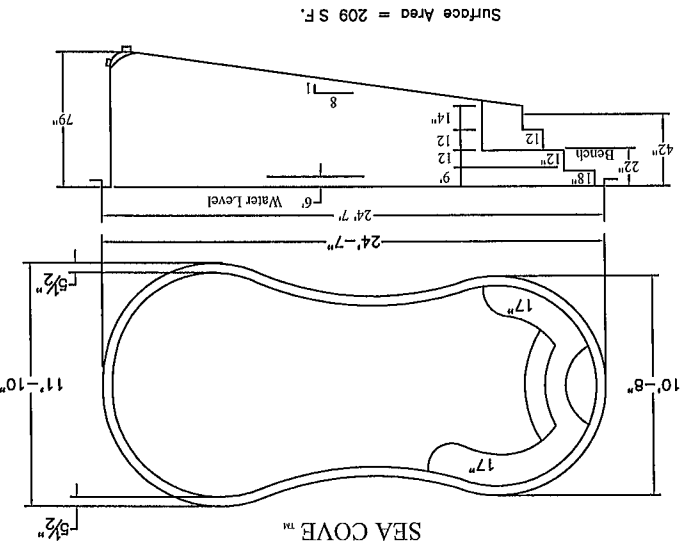
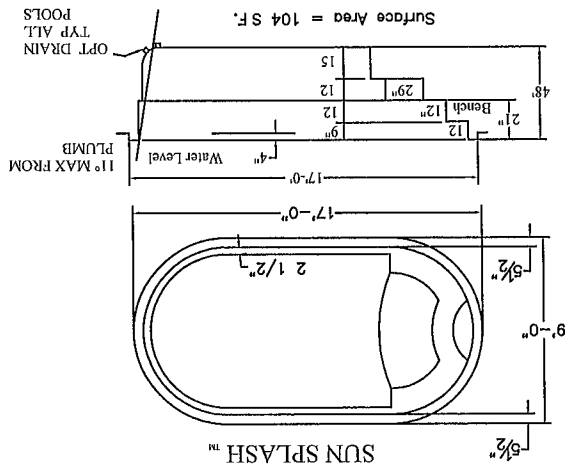
LATHAM POOL PRODUCTS INC D.B.A.
40119 County Road 54 East
Zephyrhills, FL 33540
831-783-7439
Pg. 1 of 8

G.B. COLLINS ENGINEERING, P.A.
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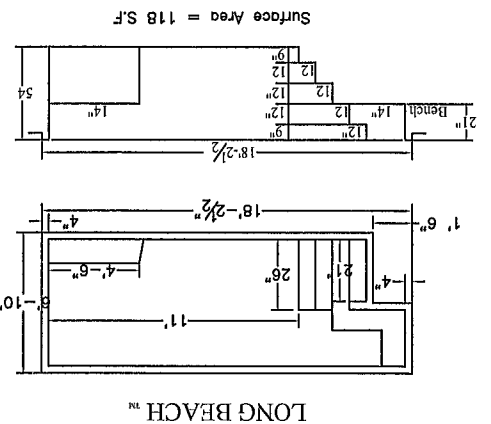
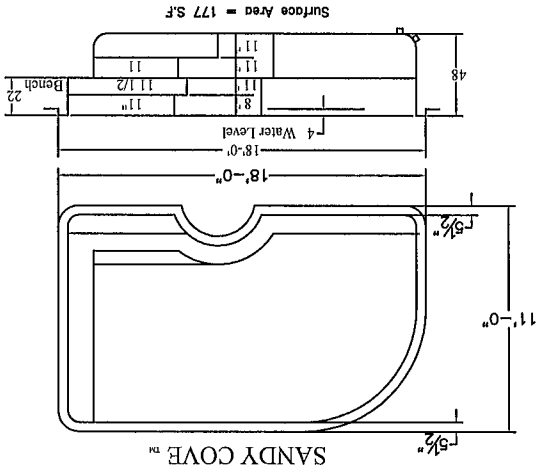
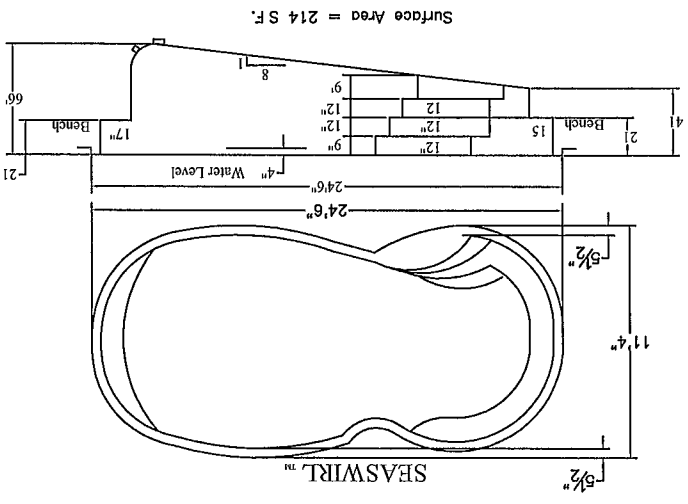
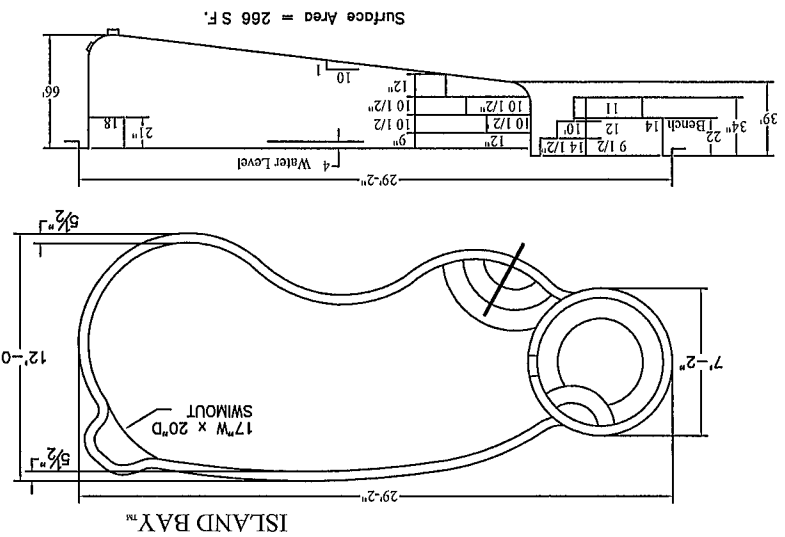


- ADDITIONAL NOTES:**
1. POOL INSTALLATION SHALL BE BY A QUALIFIED AND LICENSED (APPROVED BY LOCAL BUILDING DEPARTMENT) POOL CONTRACTOR. THE INSTALLATION SHALL CONFORM TO ALL LOCAL BUILDING CODES, IE, PERMITS SPECIFICATIONS, CODES, RULES, INSPECTIONS, WORKMANSHIP, ETC.
 2. TYPICAL PROPERTIES OF A REINFORCED FIBERGLASS POOL:
 - GEL COAT/ISO-NG MIL Application
 - GLASS CONTENT BY WEIGHT 35%
 - TENSILE STRENGTH, PSI 16733
 - TENSILE ELONGATION 1-2%
 - FLEXURAL STRENGTH, PSI 43123
 - FLEXURAL MODULUS, PSI (X10⁶) 1.37
 - COMPRESSIVE STRENGTH, PSI 26300
 - TYPICAL THICKNESS, INCHES 1/4
 3. POOL SHELL SHALL BEAR ON UNDISTURBED SOIL, FREE OF PEAT, MUCK, OR OTHER DELETERIOUS MATERIAL OF ANY SIGNIFICANT AMOUNT.
 4. BACKFILL MATERIAL MUST NOT CONTAIN ROCKS OR OTHER MATERIALS THAT COULD DAMAGE POOL WALLS.
 5. POOL TURNOVER SHALL BE 12 HOURS, MAXIMUM WITH HI-RATE RAPID SAND FILTER (MIN. 18" DIA. OR 1.75 S.F.) AND PROPERLY GROUNDED, APPROVED PUMP (MIN. 3/4 H.P. W/29 G.P.M. 60 T.D.H.) HAYWARD OR (EQUAL).
 6. STEPS OR A LADDER SHALL BE PROVIDED AT THE SHALLOW END OF THE POOL.
 7. HANDRAILS REQUIRED ON SOME POOLS.
 8. INSTALL LOW VOLTAGE LIGHT AS PER N.E.C. 680.
 9. DIVING PLATFORMS OR DIVING BOARDS ARE NOT TO BE INSTALLED ON THESE POOLS EXCEPT FOR THE BIG KEY. STANDARD REQUIREMENTS FOR TYPE 1 & TYPE 2 POOLS.
 10. DURING A HURRICANE WARNING OR ALERT, THIS POOL SHALL BE FILLED WITH WATER.
 11. THESE POOL PLANS MEET OR EXCEED THE ANSI/NSPI 5 2003 RESIDENTIAL INGROUND SWIMMING POOL AND ANSI/NSPI 3 1999 PERMANENTLY INSTALLED RESIDENTIAL SPA STANDARDS.
- THE FOLLOWING CODES ARE TO BE MET WHERE REQUIRED:
- FLORIDA BUILDING CODE-BUILDING 2010
FLORIDA BUILDING CODE-MECHANICAL 2010
FLORIDA BUILDING CODE-PLUMBING 2010
FLORIDA BUILDING CODE-FUEL GAS 2010
2010 STANDARD SWIMMING POOL CODE
98-76 BUILDING CONSTRUCTION ADMINISTRATIVE CODE
2008 NATIONAL ELECTRICAL CODE AND/OR ANY SUPPLEMENT
ANSI/APSP-7 2006 SUCTION ENTRAPMENT AVOIDANCE
THE FOLLOWING ALSO MUST BE MET:
VIRGINIA GRAEME BAKER POOL AND SPA SAFETY ACT
PROVIDING REQUIRED ANSI/ASME A112.9.8-2007 COMPLIANT DRAIN COVERS

Handwritten signature and date: 8/26/10



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PG. 2 of 8

NOTE: THIS SHEET IS NOT VALID UNLESS
USED WITH PAGE 1.

8/5/13