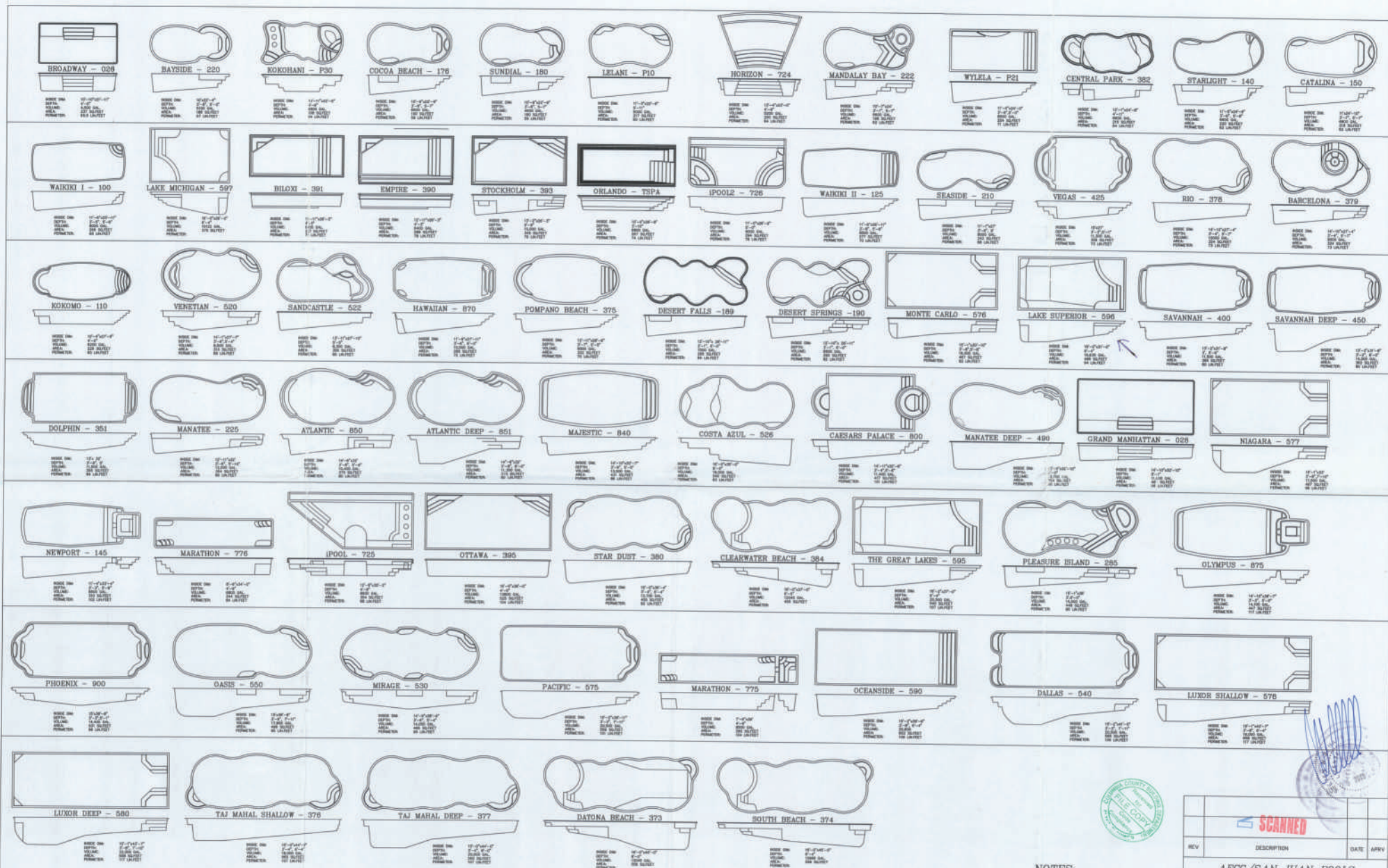




NOTES:

POOL DESIGN CONFORMS TO THE FOLLOWING:
 ANSI/APSI-1, 5, 7, 15
 IFPM REPORT E8 0285
 2017 FLORIDA BUILDING CODE
 2017 INTERNATIONAL PLUMBING CODE
 2014 NATIONAL ELECTRICAL CODE
 2017 MECHANICAL CODE
 2017 FLORIDA POOL & SPA CODE

REV	DESCRIPTION	DATE	APPV
 SCANNED			
AECC/SAN JUAN POOLS			
BY: AMERICAN ENVIRONMENTAL CONTAINER CORP. 2302 LASSO LANE ARLAND, FLORIDA 33801 (888) 488-3029		Drawn By: Sharon W. Schuch State of Florida License No. 85509	
Date	May 2018	Checked By	SVT
Job No.	1025-19	Pool Location	
RESIDENTIAL POOLS			Sheet 1 of 2

38790

GENERAL CONSTRUCTION NOTES:

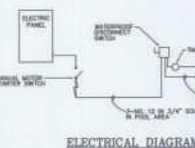
- 1) Pool installation shall be by a qualified and licensed (approved by local building department and San Juan) pool contractor. The contractor shall submit to the city and local building codes, as well as to the city of any construction with construction.
- 2) Water supply and disposal shall be so arranged that there is no cross connection with domestic water.
- 3) Main drain cover to be certified as compliant with ANSI/APSP A11.19.19.1 or a grate with a minimum open area of 144 sq. in. or as to local codes, meeting listed to pool.
- 4) Pool turnover shall be 12 hours maximum with circulation. Size and properly grounded electrical pump (min. 1/2 hp per 500 gal of SW SW). Pool pump to be above ground with weather protective housing.
- 5) All electric must conform to N.E.C. No overhead wires shall pass within 10 feet of pool.
- 6) Concrete shall be min. 3000 psi all SW. Deck shall be 4" thick, 4" thick, or more depending on span. Reinforcement may be used in lieu of 4" thick concrete as shown by local codes.
- 7) Pool bottom to be paved in 4" min. sand or 3/4" min. stone.
- 8) Hydraulic pressure design pressure shall be 100 psi at all times, with any required backflow preventer and reducing by others.
- 9) Hydraulic relief valve not installed for more than 2 feet of the difference of head between pool bottom and main drain tank. Use where code requires.
- 10) Pool shall have an unobstructed, full, free of pool, tank or other mechanical equipment of the pool equipment.
- 11) Should pool have heating valve greater than 30 PSI with vertical depth of 10 feet. Should pool have heating valve greater than 30 PSI with vertical depth of 10 feet. Should pool have heating valve greater than 30 PSI with vertical depth of 10 feet. Should pool have heating valve greater than 30 PSI with vertical depth of 10 feet.
- 12) Steps or ladders shall be provided at each end of pool per code.
- 13) Pool bottom shall be covered with non-slip finish. Hand rails and ladders shall have 4" wide copper grating and safety installed structure.
- 14) Steps, ladders and hand rails shall conform to local codes after effort than that shown.
- 15) Therapy seats, when installed, shall be installed in the side of pool and not more than 30 inches below water level, and it shall be secure so to clearly distinguish each underwater obstruction from pool area in 10 inches maximum per step.
- 16) Following pool entrance(s) shall have deck openings.
- 17) Electrical hook-up of pool equipment, with, ladders, etc and grounding of each shall shall be in accordance with the National Electrical Code and all applicable state and local building codes by a licensed electrical contractor.
- 18) -Install 12 volt light. When shown by local code, higher voltage shall be 120 volt protected per NEC. At installers option 120 or 240 volt lighting may be used.
- 19) If the steps from water and to step and to more than 12" a safety rope shall be provided when required.
- 20) Supports and steps shall be properly reinforced and of sufficient structural strength to safely carry all anticipated loads.
- 21) -All pipe to be PVC schedule 40 unless otherwise specified, or to local code.
- 22) -Shut section pipe from the pool shall have secondary drain.
- 23) -Min. velocity in pressure piping to be 10' per second.
- 24) -Min. velocity in suction piping to be 8' per second.

POOL EQUIPMENT AND PROPERTIES

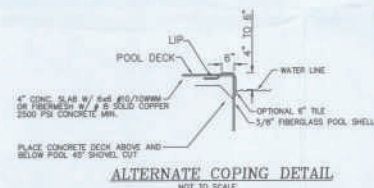
Quantity	Item	Manufacturer
1	San-Juan 1 1/2" x 2" 10-2000	Hydra-Max
1	San-Juan 1 1/2" x 2" 10-2000	Hydra-Max
1	San-Juan 1 1/2" x 2" 10-2000	Hydra-Max
1	San-Juan 1 1/2" x 2" 10-2000	Hydra-Max
1	San-Juan 1 1/2" x 2" 10-2000	Hydra-Max
1	San-Juan 1 1/2" x 2" 10-2000	Hydra-Max
1	San-Juan 1 1/2" x 2" 10-2000	Hydra-Max
1	San-Juan 1 1/2" x 2" 10-2000	Hydra-Max
1	San-Juan 1 1/2" x 2" 10-2000	Hydra-Max
1	San-Juan 1 1/2" x 2" 10-2000	Hydra-Max

Typical properties of a REINFORCED FIBERGLASS pool

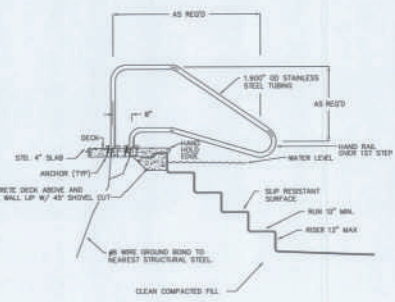
Item	Value
Basic thickness of 30 psi psi	1.5" - 2.0"
Basic weight of 30 psi psi	15.0 - 20.0
Basic strength of 30 psi psi	15.0 - 20.0
Basic modulus of 30 psi psi	15.0 - 20.0
Basic elongation of 30 psi psi	15.0 - 20.0
Basic compressive strength of 30 psi psi	15.0 - 20.0
Basic tensile strength of 30 psi psi	15.0 - 20.0
Basic impact strength of 30 psi psi	15.0 - 20.0
Basic fire resistance of 30 psi psi	15.0 - 20.0
Basic chemical resistance of 30 psi psi	15.0 - 20.0
Basic UV resistance of 30 psi psi	15.0 - 20.0
Basic abrasion resistance of 30 psi psi	15.0 - 20.0
Basic tear resistance of 30 psi psi	15.0 - 20.0
Basic puncture resistance of 30 psi psi	15.0 - 20.0
Basic impact resistance of 30 psi psi	15.0 - 20.0
Basic fire resistance of 30 psi psi	15.0 - 20.0
Basic chemical resistance of 30 psi psi	15.0 - 20.0
Basic UV resistance of 30 psi psi	15.0 - 20.0
Basic abrasion resistance of 30 psi psi	15.0 - 20.0
Basic tear resistance of 30 psi psi	15.0 - 20.0
Basic puncture resistance of 30 psi psi	15.0 - 20.0



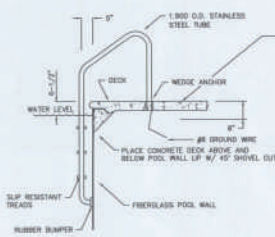
ELECTRICAL DIAGRAM



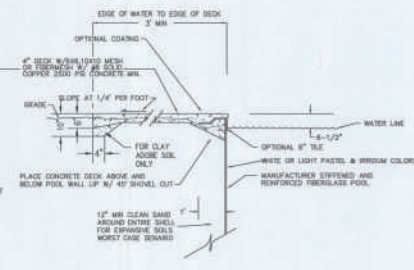
ALTERNATE COPING DETAIL
NOT TO SCALE



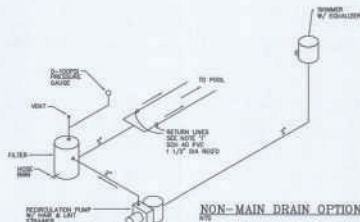
STEP HANDRAIL SECTION
NOT TO SCALE



LADDER SECTION
NOT TO SCALE

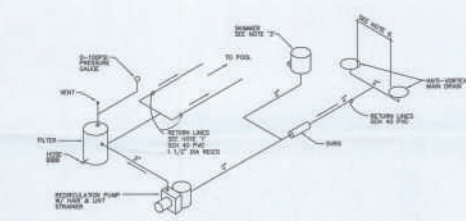


WALL SECTION
NOT TO SCALE



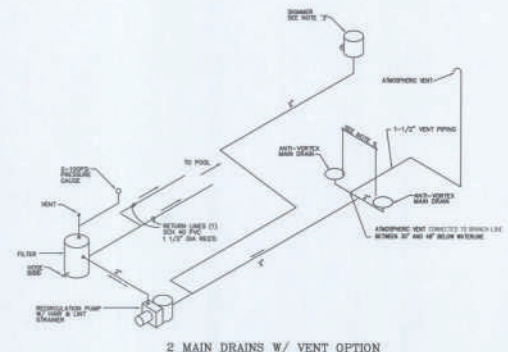
NON-MAIN DRAIN OPTION

- NOTES:
- (1) AT LEAST ONE RETURN LINE IS REQUIRED FOR EVERY 500 SQ. FT. OF SURFACE AREA.
 - (2) MINIMUM SEPARATION OF LINES SERVING POOL SHALL BE 10 FT.
 - (3) DRAIN LINE (WHEN REQUIRED) TO BE 2" DIA. 40 PPS FROM A CURB FOOT DRAIN, BEG BENEATH MAIN DRAIN TO 10' FROM EQUIPMENT.
 - (4) DRAIN LINE (WHEN REQUIRED) TO BE 2" DIA. 40 PPS FROM A CURB FOOT DRAIN, BEG BENEATH MAIN DRAIN TO 10' FROM EQUIPMENT.



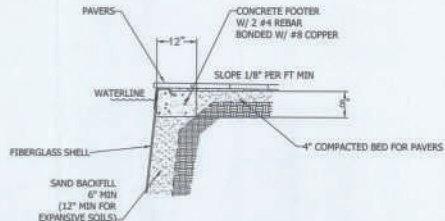
SVRS OPTION

- NOTES:
- (1) AT LEAST ONE RETURN LINE IS REQUIRED FOR EVERY 500 SQ. FT. OF SURFACE AREA.
 - (2) MINIMUM SEPARATION OF LINES SERVING POOL SHALL BE 10 FT.
 - (3) DRAIN LINE (WHEN REQUIRED) TO BE 2" DIA. 40 PPS FROM A CURB FOOT DRAIN, BEG BENEATH MAIN DRAIN TO 10' FROM EQUIPMENT.
 - (4) DRAIN LINE (WHEN REQUIRED) TO BE 2" DIA. 40 PPS FROM A CURB FOOT DRAIN, BEG BENEATH MAIN DRAIN TO 10' FROM EQUIPMENT.
 - (5) TWO DRAINAGES REQUIRED IF POOL AREA GREATER THAN 500 SQ. FT.
 - (6) DRAINAGE AND MAIN DRAIN MUST BE PLUMBED TOGETHER WITH A COMMON LINE TO THE PUMP.
 - (7) POOL MUST HAVE MAIN DRAIN MINIMUM 2" DIA. 40 PPS FROM A CURB FOOT DRAIN, BEG BENEATH MAIN DRAIN TO 10' FROM EQUIPMENT.
 - (8) MAIN DRAIN MUST BE PLUMBED TOGETHER WITH A COMMON LINE TO THE PUMP.



2 MAIN DRAINS W/ VENT OPTION

- NOTES:
- (1) AT LEAST ONE RETURN LINE IS REQUIRED FOR EVERY 500 SQ. FT. OF SURFACE AREA.
 - (2) MINIMUM SEPARATION OF LINES SERVING POOL SHALL BE 10 FT.
 - (3) DRAIN LINE (WHEN REQUIRED) TO BE 2" DIA. 40 PPS FROM A CURB FOOT DRAIN, BEG BENEATH MAIN DRAIN TO 10' FROM EQUIPMENT.
 - (4) DRAIN LINE (WHEN REQUIRED) TO BE 2" DIA. 40 PPS FROM A CURB FOOT DRAIN, BEG BENEATH MAIN DRAIN TO 10' FROM EQUIPMENT.
 - (5) TWO DRAINAGES REQUIRED IF POOL AREA GREATER THAN 500 SQ. FT.
 - (6) DRAINAGE AND MAIN DRAIN MUST BE PLUMBED TOGETHER WITH A COMMON LINE TO THE PUMP.
 - (7) POOL MUST HAVE MAIN DRAIN MINIMUM 2" DIA. 40 PPS FROM A CURB FOOT DRAIN, BEG BENEATH MAIN DRAIN TO 10' FROM EQUIPMENT.
 - (8) MAIN DRAIN MUST BE PLUMBED TOGETHER WITH A COMMON LINE TO THE PUMP.



OPTIONAL WALL SECTION
NOT TO SCALE

NOTES:

- POOL DESIGN CONFORMS TO THE FOLLOWING:
- ANS/APSP-3, 5, 7, 15
 - APSP REPORT ER 0238
 - 2017 FLORIDA BUILDING CODE
 - 2017 RESIDENTIAL FLORIDA BUILDING CODE
 - 2017 INTERNATIONAL PLUMBING CODE
 - 2014 NATIONAL ELECTRICAL CODE
 - 2017 MECHANICAL CODE
 - 2017 FLORIDA POOL & SPA CODE

REV	DESCRIPTION	DATE	APPROVED
1	AECC/SAN JUAN POOLS		
2	BY: AMERICAN ENVIRONMENTAL CONTRACTING CORP.		
3	2002 LATEST LINE		
4	LAKEVIEW, FLORIDA 33801		
5	(SHEET) 888-3020		
6	Drawn By: Steven N. Schwab		
7	Checked By: KVT		
8	1005-19		
9	Pool Installation:		
10	SPECIFICATIONS/DETAILS		
11	Sheet		
12	2 of 2		