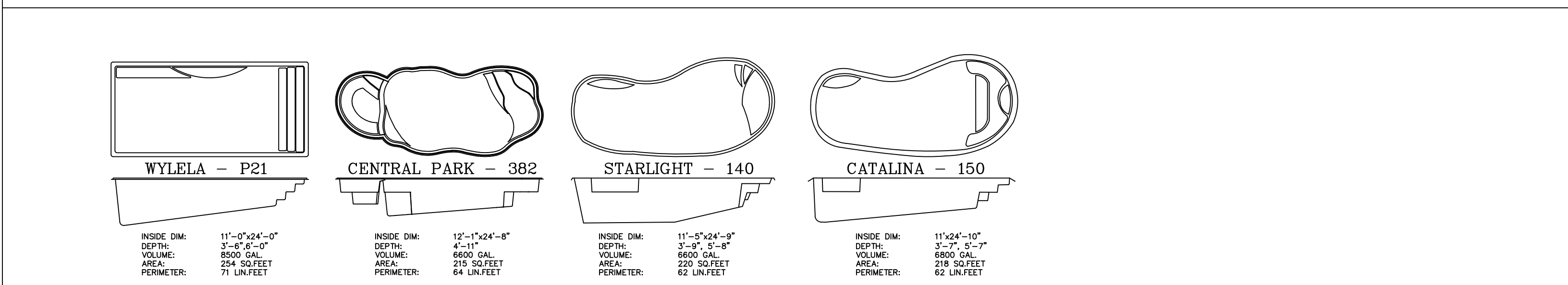
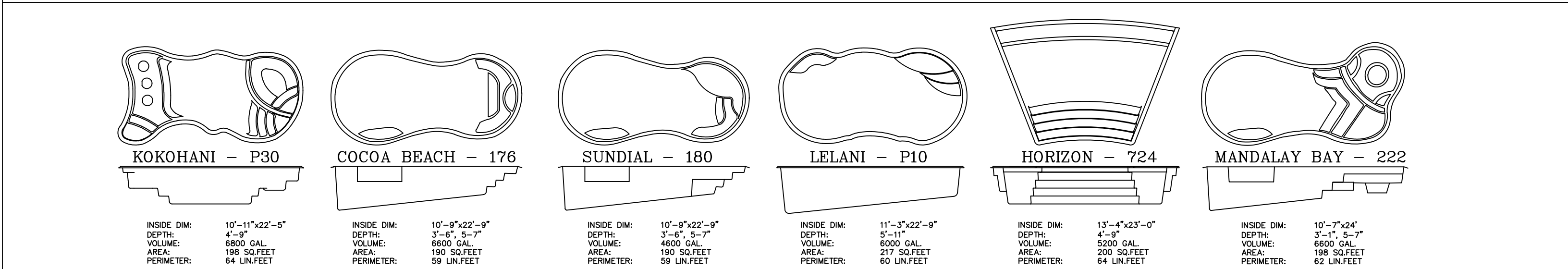
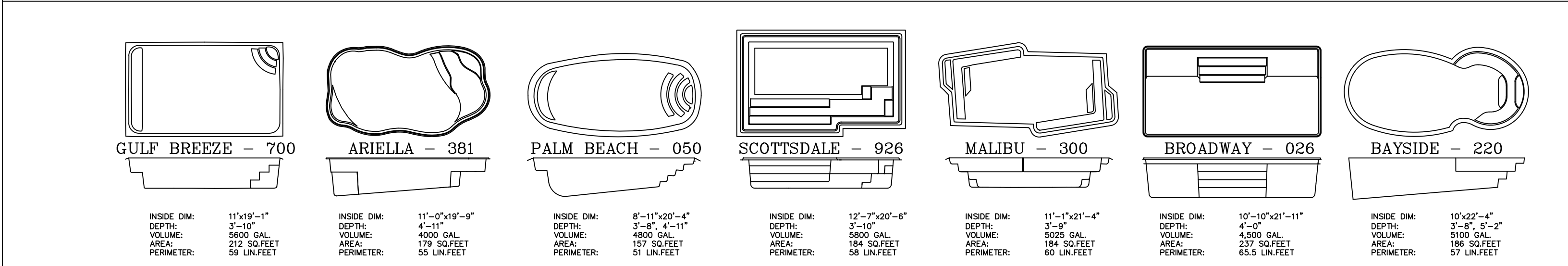
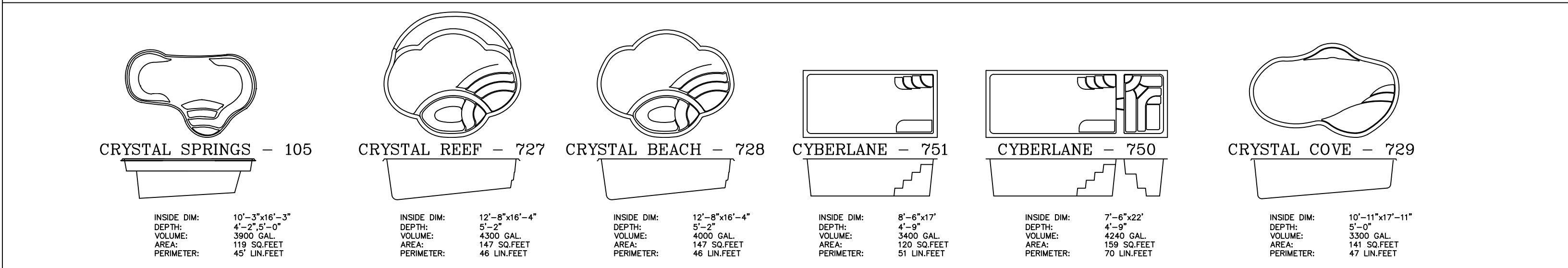


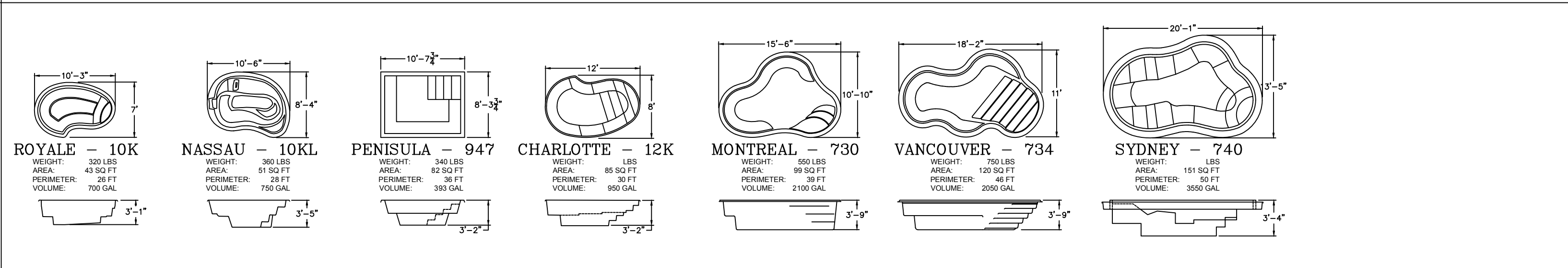
PATIO POOLS

SEDONA — 675 GROUND LEVEL INSIDE DIM: 8'-0" x 4'-0" 3'-6" VOLUME: 2,750 GAL. AREA: 98 SQ. FEET PERIMETER: 39 LIN. FEET	CANYON LAKE — 160 GROUND LEVEL INSIDE DIM: 10'-0" x 9'-0" 3'-6" VOLUME: 3,500 GAL. AREA: 144 SQ. FEET PERIMETER: 54 LIN. FEET	PARADISE — 090 INSIDE DIM: 9'-11" x 4'-8" 3'-8" VOLUME: 2,950 GAL. AREA: 107 SQ. FEET PERIMETER: 40 LIN. FEET	FORT MYERS — 075 INSIDE DIM: 9'-11" x 4'-8" 3'-8" VOLUME: 2,950 GAL. AREA: 107 SQ. FEET PERIMETER: 40 LIN. FEET	ISLANDER — 600 INSIDE DIM: 11'-1" x 15'-7" 3'-11" VOLUME: 4,900 GAL. AREA: 171 SQ. FEET PERIMETER: 52 LIN. FEET	SEA ISLE — 650 INSIDE DIM: 11'-1" x 15'-7" 5'-0" VOLUME: 5,200 GAL. AREA: 171 SQ. FEET PERIMETER: 52 LIN. FEET	LAKESIDE — 085 INSIDE DIM: 8'-3" x 16'-3" 4'-4" VOLUME: 3,200 GAL. AREA: 119 SQ. FEET PERIMETER: 42 LIN. FEET
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SPAS

Model	Weight	Area	Perimeter	Volume
COVE - 6SQ	225 LBS	20 SQ FT	21 FT	300 GAL
HAVEN - 60CT	240 LBS	20 SQ FT	20 FT	350 GAL
LIDO/PARIS - 7SQ	310 LBS	32.5 SQ FT	25.5 FT	400 GAL
ISLE - 8RD	300 LBS	30 SQ FT	24 FT	500 GAL
DIAMOND - 8DIA	300 LBS	42 SQ FT	36 FT	450 GAL
GRANDE - 80CT	260 LBS	44 SQ FT	36 FT	550 GAL
SARASOTA - 9R	300 LBS	54 SQ FT	36 FT	750 GAL
CHAMPAGNE - 747	300 LBS	54 SQ FT	36 FT	700 GAL
MARGARITA - 746	300 LBS	54 SQ FT	36 FT	750 GAL



BAJA BEACH/FUNDECK - 221

Top View: 14'-4" x 16'-0"

Side View: 1'-6" x 3'-4"

WEIGHT:	1000 LBS
AREA:	172 SQ FT
PERIMETER:	58 FT
VOLUME:	1435 GAL

FUN DECK - 444

Top View: 10'-0" x 9'-2"

Side View: 7'-10" x 1'-1"

WEIGHT:	300 LBS
AREA:	70 SQ FT
PERIMETER:	30 FT
VOLUME:	28 GAL

SCOTTSDALE TANNING - SHELF-1

Top View: 10'-6" x 6'-4"

Side View: 1'-1" x 11'-2"

WEIGHT:	275 LBS
AREA:	60 SQ FT
PERIMETER:	29 FT
VOLUME:	20 GAL

SCOTTSDALE TANNING - SHELF-3

Top View: 10'-0" x 9'-2"

Side View: 7'-10" x 1'-1"

WEIGHT:	300 LBS
AREA:	70 SQ FT
PERIMETER:	30 FT
VOLUME:	28 GAL

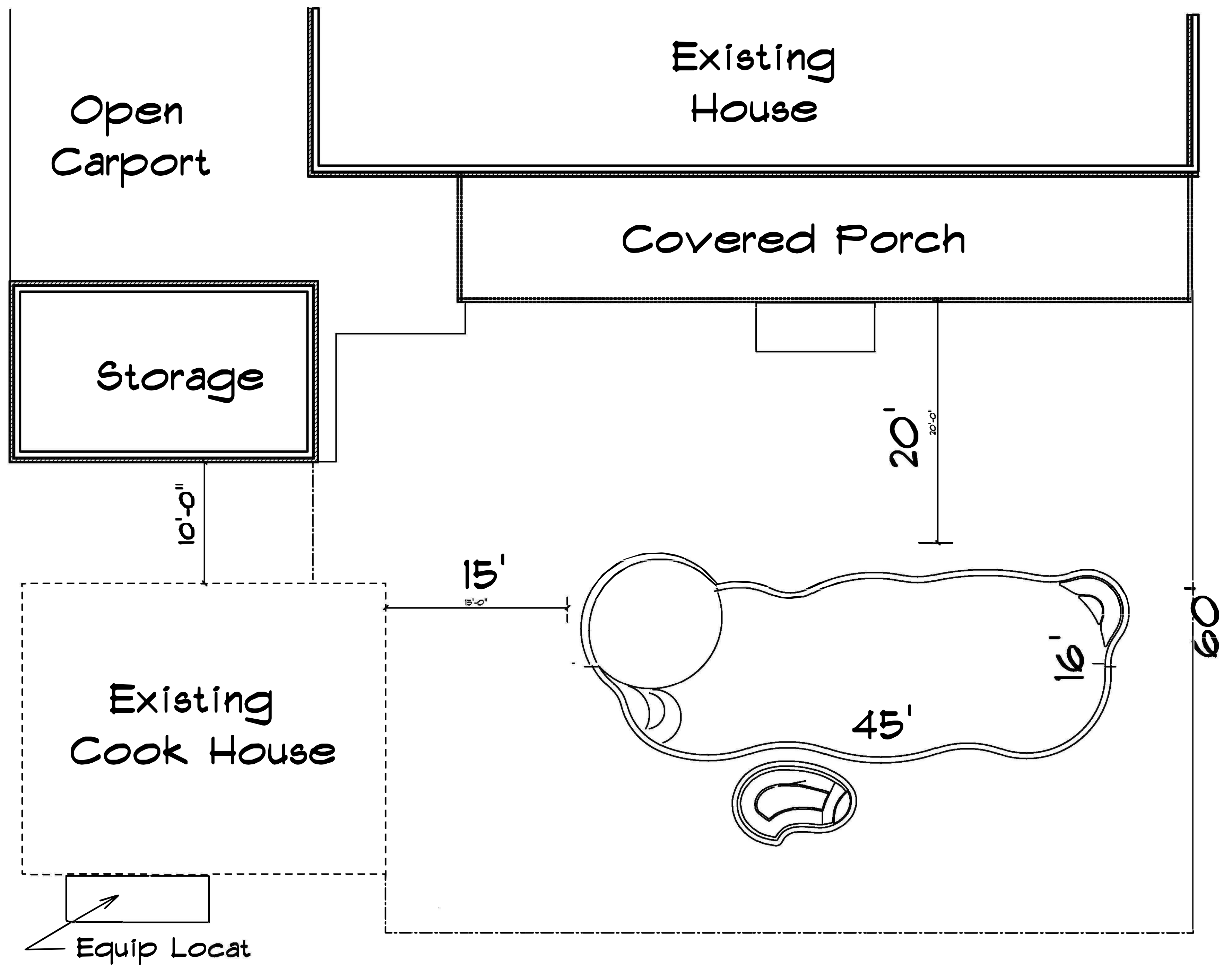
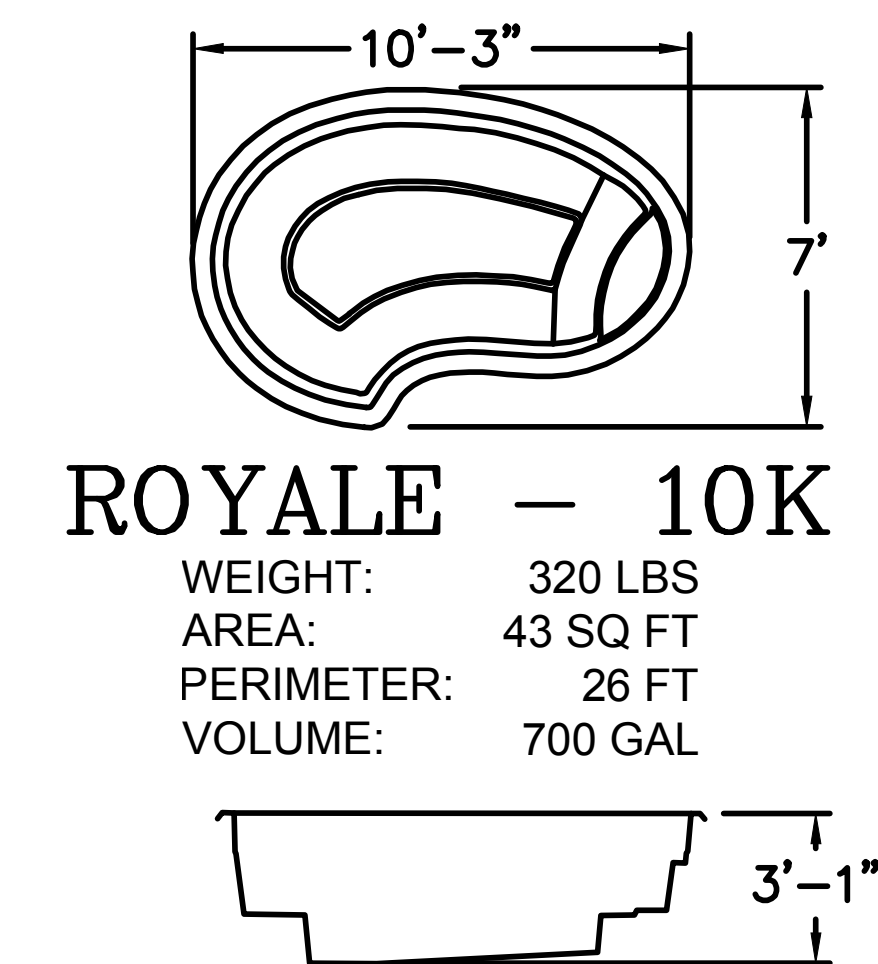
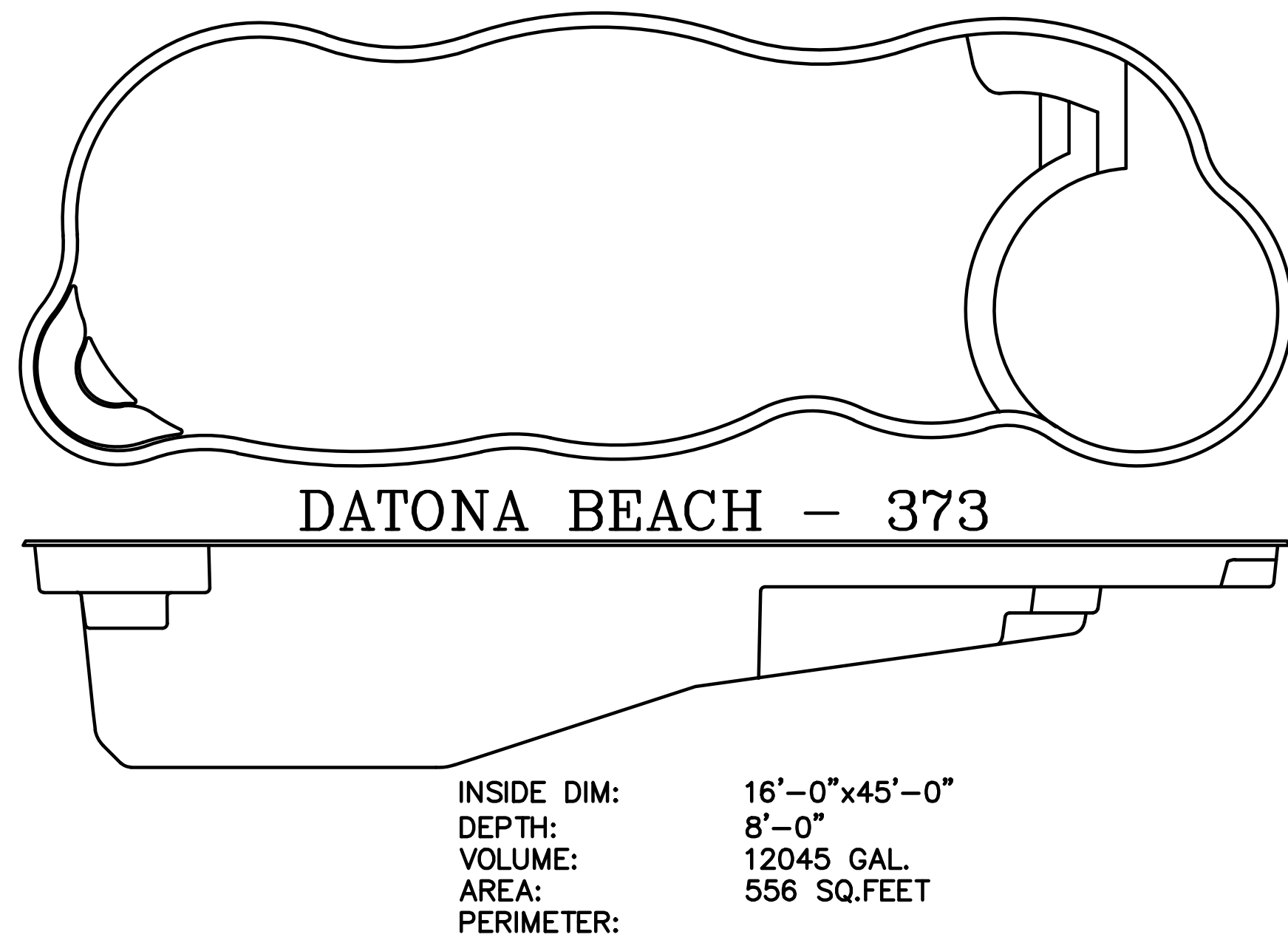
TANNING LEDGE- SHELF-3

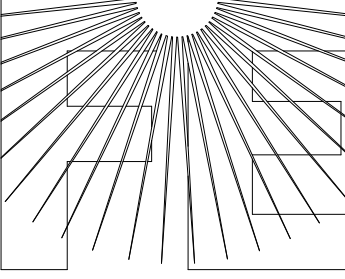
Top View: 10'-0" x 9'-2"

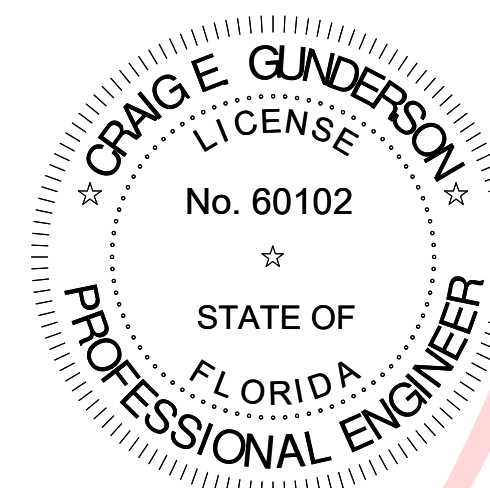
Side View: 7'-10" x 1'-1"

WEIGHT:	300 LBS
AREA:	70 SQ FT
PERIMETER:	30 FT
VOLUME:	28 GAL

Sealed By
Steven W. Schaub
State of
License No.:



CONTRACTOR: AQUA SCAPE C/O TOP OF THE MOUNTAIN INDUSTRIES	
PROJECT ADDRESS: SUMMERS 340 SW BEASLEY CT LAKE CITY FL	
	FLORIDA ENGINEERING LLC 4161 TAMIAMI TRAIL, UNIT 101 PORT CHARLOTTE, FLORIDA 33952 (941) 391-5980 www.flengineeringllc.com
	PROJECT NO. 2033946 CA CERT. #30782



This item has been digitally signed and sealed by Craig E. Gunderson on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on electronic copies.

Digitally
signed by Craig
E Gunderson
Date:
2020.12.18
10:55:21 -05'00'

REV	DESCRIPTION	DATE	APRV
AECC/SAN JUAN POOLS			
BY: AMERICAN ENVIRONMENTAL CONTAINER CORP. 2302 LASSO LANE LAKELAND, FLORIDA 33801 (863) 666-3020		Sealed By Steven W. Schaub State of License No.:	
Date APR 2020	Checked By KVT	Job No. 0000-20	Pool location: STREET CITY, STATE ZIP
Title SPECIFICATIONS/DETAILS			Sheet 3 of 4

GENERAL CONSTRUCTION NOTES:

- Pool installation shall be by a qualified and licensed (approved by local building department and San Juan pools) pool contractor. The installation shall conform to all state and local building codes, as well as tenants of any association with Jurisdiction.
- Water supply and disposal shall be so arranged that there is no cross connection with domestic service.
- Main drain cover to be certified as compliant with ANSI/ASME A112.19.8M or a grate with a minimum open area of 144 sq. in. or as to local codes, securely fastened in place.
- Pool turnover shall be 12 hours maximum with cartridge filter and properly grounded approved pump (min. 1/2 hp per 50 GPM at 55 TDH.) Pool pump to be above ground with weather protective housing.
- All electric shall conform to N.E.C. No overhead wires shall pass within 10 feet of pool.
- Concrete shall be min. 2500 psi at 28 days.
Deck Slab to have 6x6, #10/10wmm or equal suspended in conc. Fibermesh conc. may be used in lieu of 6x6 10x10 wmm as allowed by local code.
- Pool bottom to be placed in 4" min. clean sand or 3/4" max dia gravel.
- Hydrostatic pressures: design assumes pool is full at all times, with any required hold downs and reinforcing by others.
- Hydrostatic relief valve not credited for more than 2 feet of the difference of head between pool bottom and floor criteria level, use where code requires.
- Pool shall bear on undisturbed soil, free of peat, muck or other deleterious material of any significant amount.
- Backfill shall have bearing value greater than 60 PSF with Vertical angle of Repose. Back-fill material (clean sand, flowable fill or gravel) must not contain rock gravel greater than 3/4ths inch. Back-fill shall be installed and compacted in lifts to match water level in pool and not deform pool.
- Steps or ladders shall be provided at each end of pool per code.
- Pool ladders shall be corrosion resistant with non-slip treads. Hand rails and ladders shall have No. 8 solid copper grounds and Solidly imbedded anchors.
- Steps, treads and risers shall conform to local codes when different than that shown.
- Therapy seats, where installed, shall be recessed in to the sides of such pool not more than 20 inches below water level, and in such a manner as to clearly distinguish such underwater obstructions from pool areas in to which persons may dive.
- Swimming pool skimmer(s) shall have deck openings.
- Electrical hook-up of pool equipment, rails, boxes, etc and grounding of deck steel shall be in accordance with the National Electrical Code and all applicable state and local building codes by a licensed electrical contractor.
- Install 12 volt light. When allowed by local code. Higher voltage shall be GFI protected per NEC. At installers option LED or Fiberoptic Lighting may be used.
- If the slope from shallow end to deep end is more than 1:7 a safety rope shall be provided when required.
- Supports and steps shall be properly reinforced and of sufficient structural strength to safely carry all anticipated loads.
- All pipe to be PVC schedule40 suitable for potable water, or to local code.
- Direct suction pipes from the pool shall have Secondary Reliefs.
- Max. velocity in pressure piping to be 10' per second.
- Max. velocity in suction piping to be 8' per second.

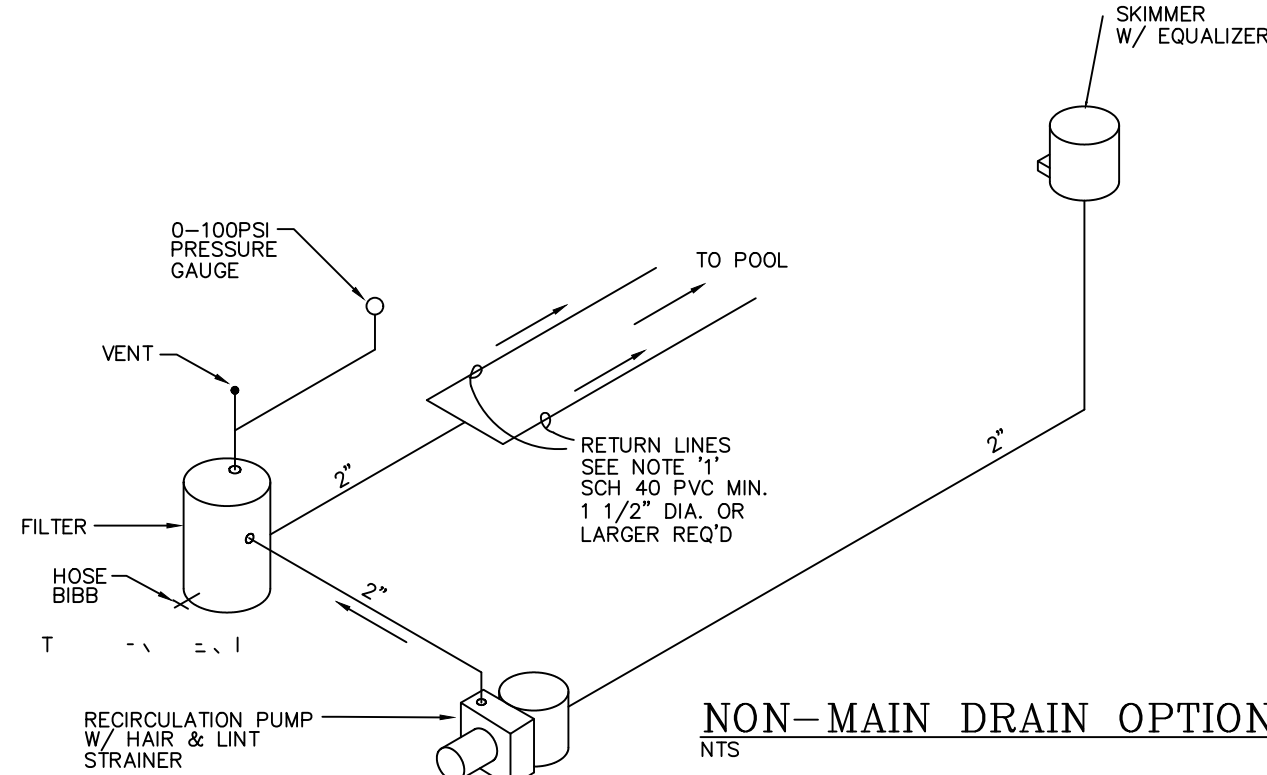
POOL EQUIPMENT AND PROPERTIES

Quantity	Item	Manufacturer
*	Inlet-Return 1 1/2" or 2"	Hydro Air
*	Inlet-Directional Flow white cycloac "Hydro-stream" with 1/2" hole, Model SP-1419-C	Hayward MFG. Co. or Equal.
*	Main Drain Anti-Entrapment Model 640-359X-V	Waterway or Equal.
*	Sump line Model	Hayward MFG. Co. or Equal.
*	Skimmer Model SP-1076	Hayward MFG. Co. or Equal.
*	Niche Light Assembly PVC SP607 with 1" Conduit connection	Hayward MFG. Co. or Equal.
*	Light Assembly 100 watt, 12 volt with Power Cord or LED light	American Products Co. or Equal.

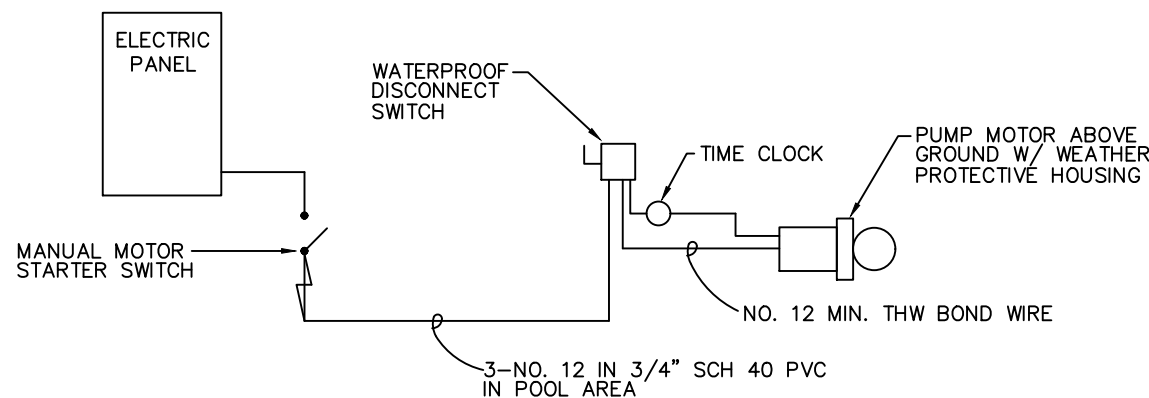
* Quantities Specified at Construction

Typical properties of a REINFORCED FIBERGLASS pool:

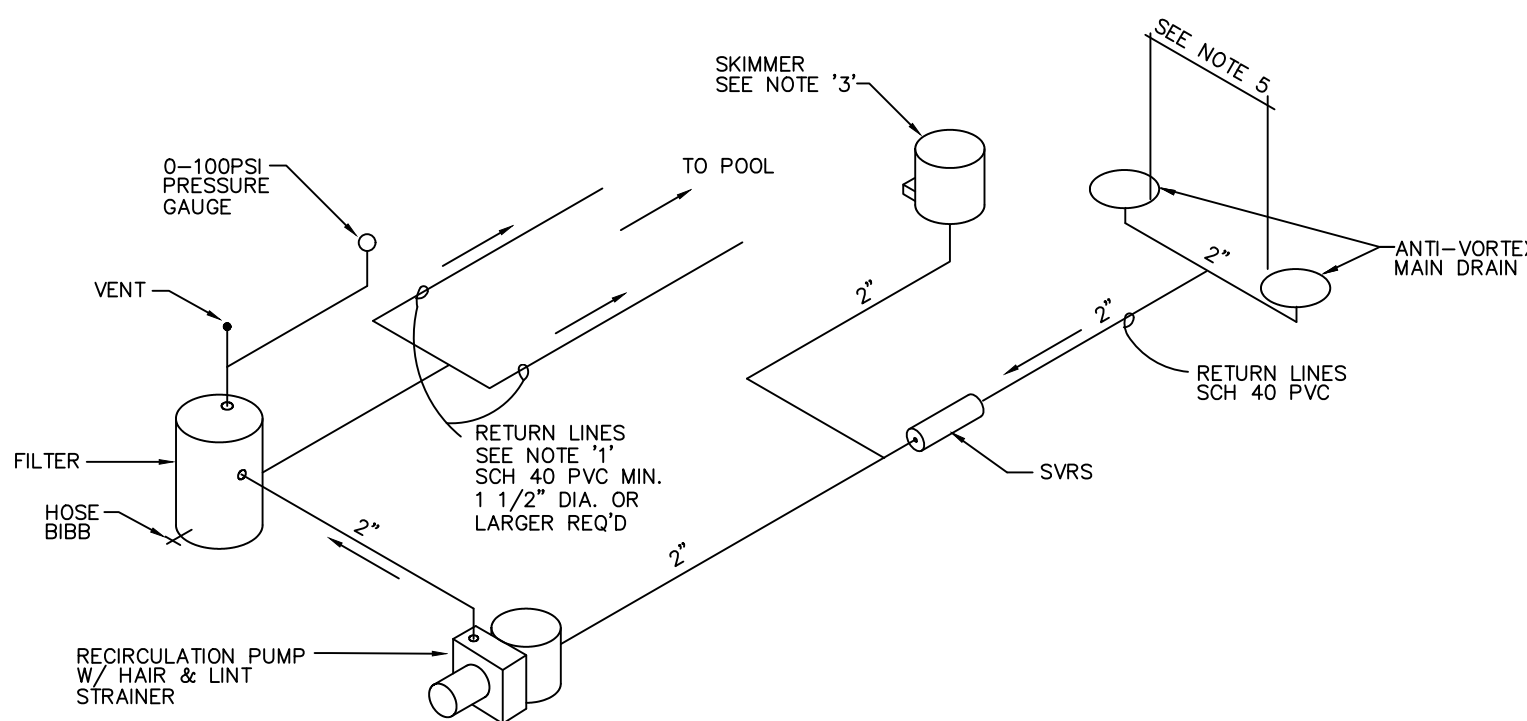
Barcol hardness of 30 mil gel coat	40 - 50
Glass content, by weight	27%
Tensile strength, PSI at 77 F	19,500
Tensile elongation	1 - 2%
Flexural strength, PSI at 77 F	23,800 - 27,600
Flexural modulus, PSI x 10 at 77 F	0.72 - 0.77
Load Impact FT-LBS/inch of notch	5.9
Compressive strength, PSI	25,000 to 38,000
Typical thickness inches	3/8"



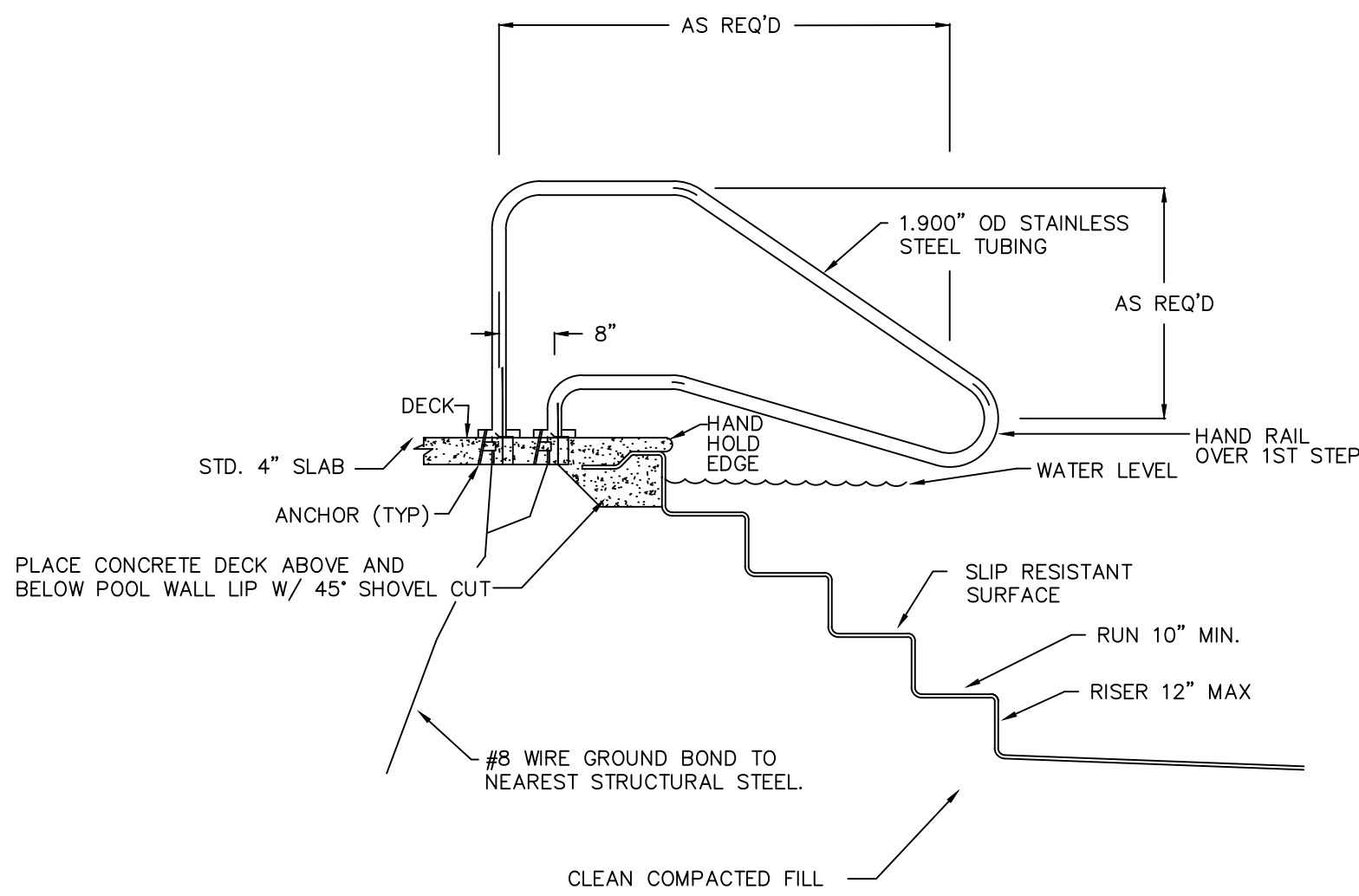
- NOTES:
- AT LEAST ONE RETURN LINE IS REQUIRED FOR EVERY 300 SQ. FT. OF SURFACE AREA.
 - SUMP LINE (WHEN REQ'D) TO BE 2" SCH. 40 PVC FROM 4 CUBIC FOOT GRAVEL BED BENEATH MAIN DRAIN TO 18" FROM EQUIPMENT.



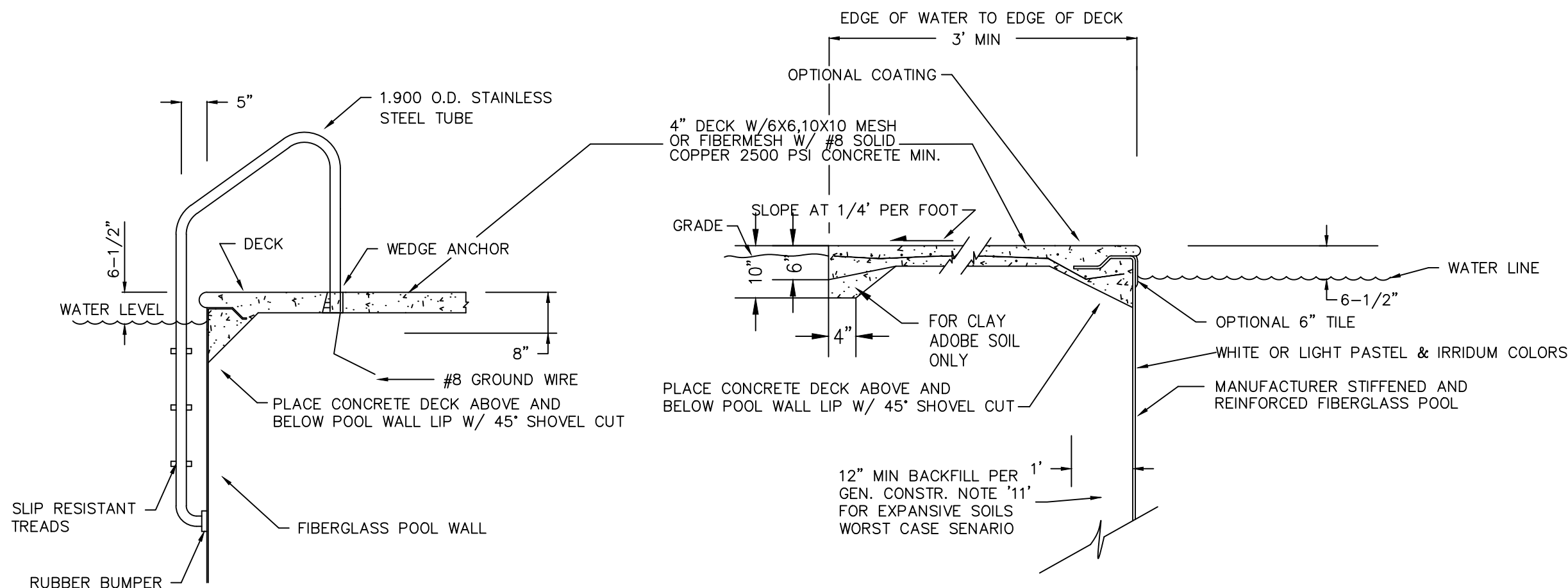
ELECTRICAL DIAGRAM
NTS



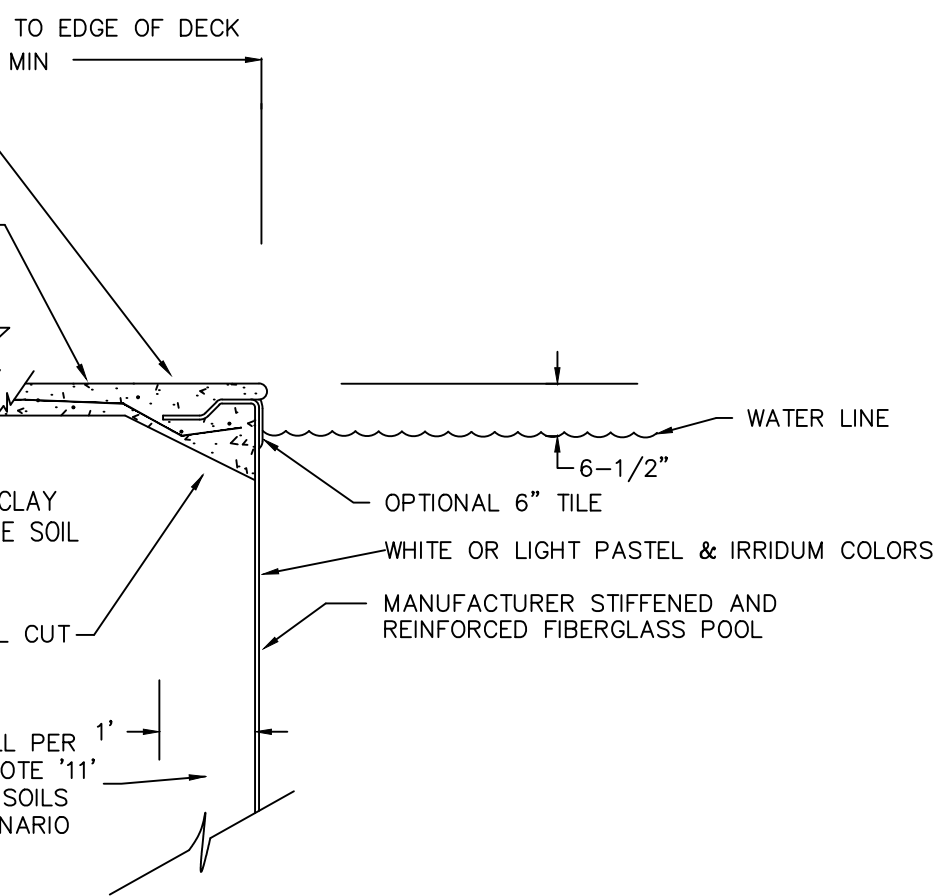
- NOTES:
- AT LEAST ONE RETURN LINE IS REQUIRED FOR EVERY 300 SQ. FT. OF SURFACE AREA.
 - SUMP LINE (WHEN REQ'D) TO BE 2" SCH. 40 PVC FROM 4 CUBIC FOOT GRAVEL BED BENEATH MAIN DRAIN TO 18" FROM EQUIPMENT.
 - TWO SKIMMERS REQUIRED IF POOL AREA GREATER THAN 800 SF.
 - SKIMMER AND MAIN DRAIN MUST BE PLUMBED TOGETHER WITH A COMMON LINE TO THE PUMP. SKIMMER AND MAIN DRAIN MUST NOT BE VALVED SEPARATELY.
 - POOL MUST HAVE MAIN DRAIN MINIMUM 3'-0" APART OR SEPARATED ON DIFFERENT PLANES.
 - MAIN DRAINS MUST BE PLUMBED TOGETHER WITH A COMMON LINE TO THE PUMP.



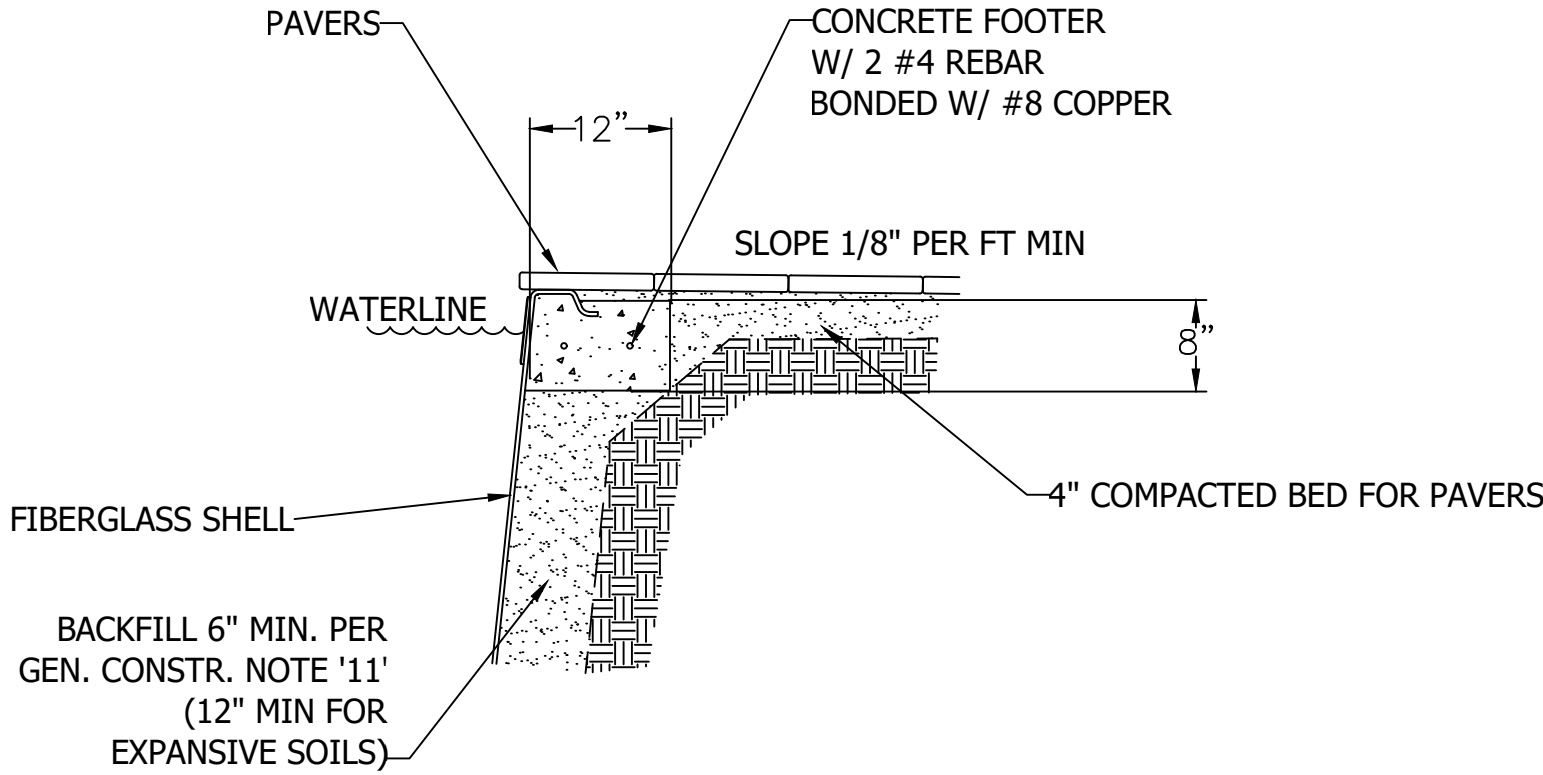
STEP HANDRAIL SECTION
NOT TO SCALE



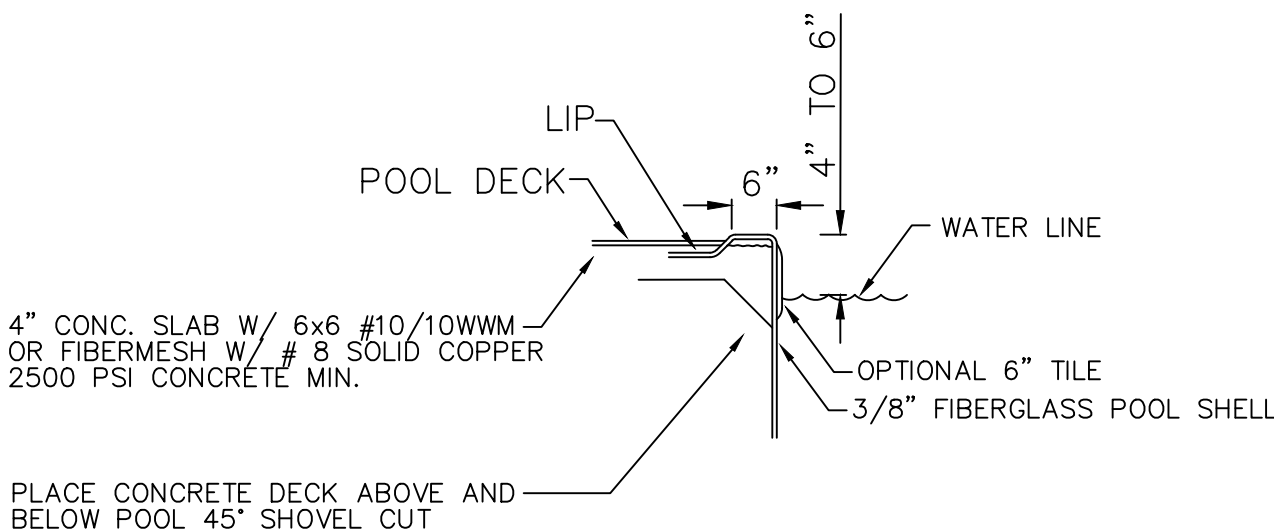
LADDER SECTION
NOT TO SCALE



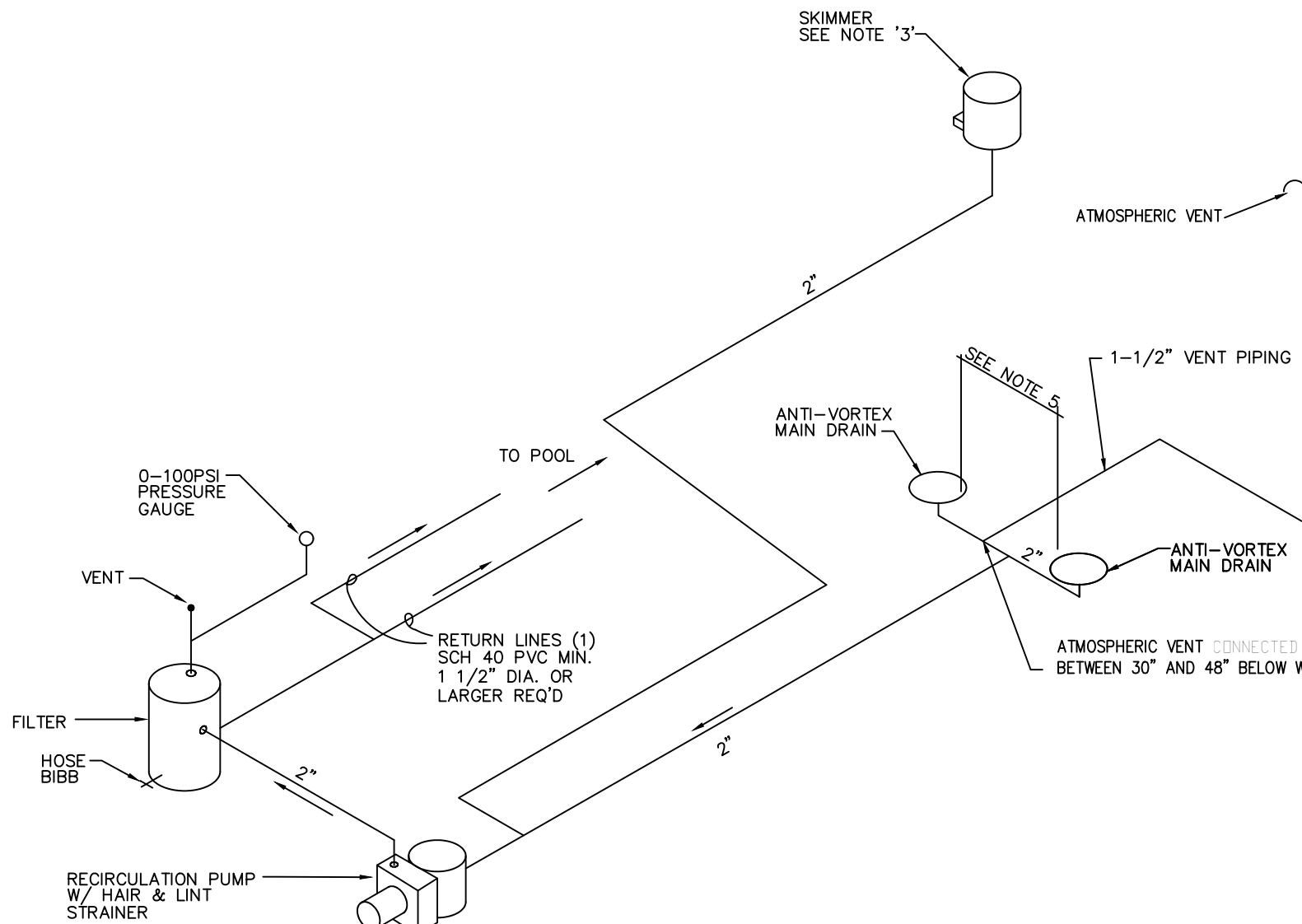
WALL SECTION
NOT TO SCALE



OPTIONAL WALL SECTION
NOT TO SCALE



ALTERNATE COPING DETAIL
NOT TO SCALE



2 MAIN DRAINS W/ VENT OPTION
NTS

- NOTES:
- AT LEAST ONE RETURN LINE IS REQUIRED FOR EVERY 300 SQ. FT. OF SURFACE AREA.
 - SUMP LINE (WHEN REQ'D) TO BE 2" SCH. 40 PVC FROM 4 CUBIC FOOT GRAVEL BED BENEATH MAIN DRAIN TO 18" FROM EQUIPMENT.
 - TWO SKIMMERS REQUIRED IF POOL AREA GREATER THAN 800 SF.
 - MAIN DRAIN LOCATED NEAR DEEPEST PART OF THE POOL.
 - POOL MUST HAVE MAIN DRAIN MINIMUM 3'-0" APART OR SEPARATED ON DIFFERENT PLANES.
 - MAIN DRAINS MUST BE PLUMBED TOGETHER WITH A COMMON LINE TO THE PUMP.

NOTES:

POOL DESIGN CONFORMS TO THE FOLLOWING:
ANSI/NSPI/ISPC-3, 5, 7, 15
IAPO REPORT ER 02/98
2012 INTERNATIONAL BUILDING CODE
2012 INTERNATIONAL PLUMBING CODE
2012 INTERNATIONAL RESIDENTIAL CODE
2011 NATIONAL ELECTRICAL CODE
2012 INTERNATIONAL SWIMMING POOL SPA CODE

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AECC/SAN JUAN POOLS			
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