

ENGINEERING NOTES

- 1) POOL CAN BE INSTALLED IN GROUND, PARTIALLY IN GROUND, OR ABOVE-GROUND
WHEN POOL IS INSTALLED ABOVE GROUND, SURFACE ON WHICH THE POOL WILL STAND
MUST BE ABSOLUTELY LEVEL AND SOLID
- 2) POOL CAN BE USED IN-GROUND UNDER THE FOLLOWING CONDITIONS

A) FILL POOL WITH WATER BEFORE BACKFILLING

B) BACK FILL MATERIAL TO BE POROUS OR GRANULAR (NO CLAY OR LARGE ROCKS)

C) POOL TO REMAIN PERMANENTLY FILLED

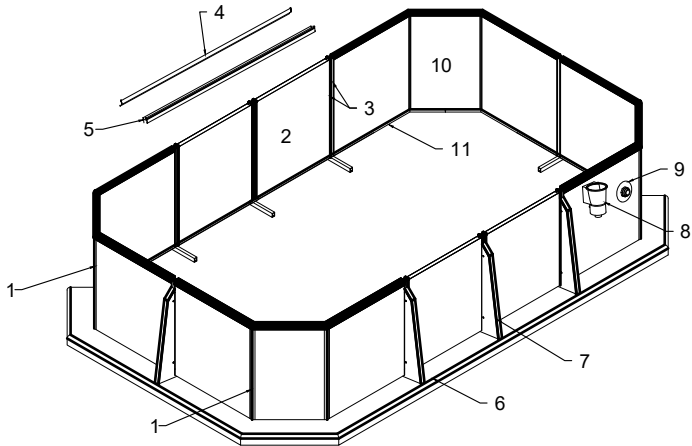
D) DRAINAGE MUST BE SUPPLIED USING DRAIN TILE OR CRUSHED STONE TO DRAIN
WATER AWAY FROM POOL IF HIGH GROUND WATER OR SURFACE WATER IS ANTICIPATED,
OR IF POOL IS INSTALLED AT THE BASE OF A HILL OR IN A CLAY CONDITION

E) SLOPE DECK SURFACE $\frac{1}{4}$ " PER FOOT AWAY FROM POOL

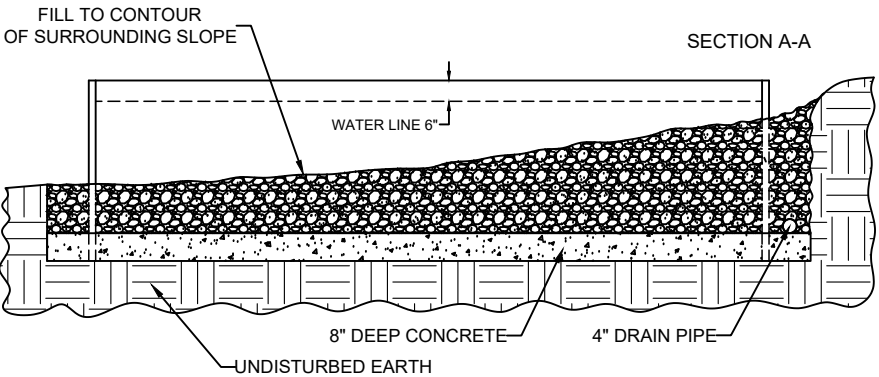
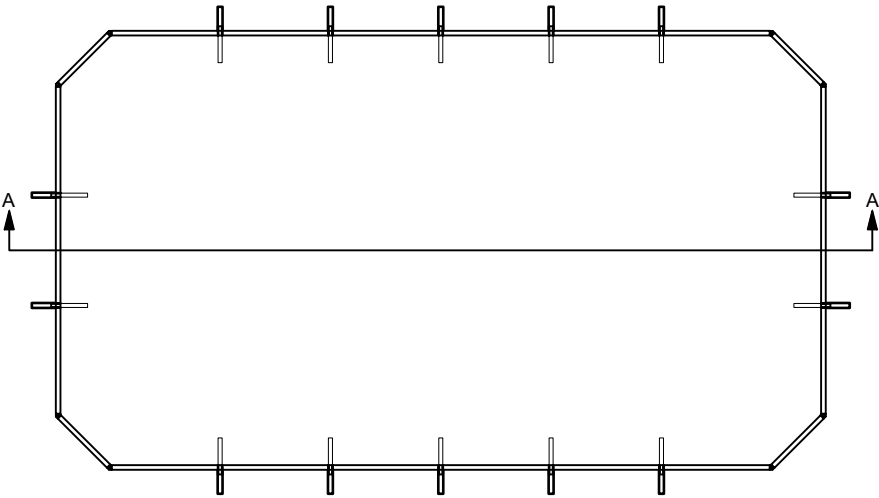
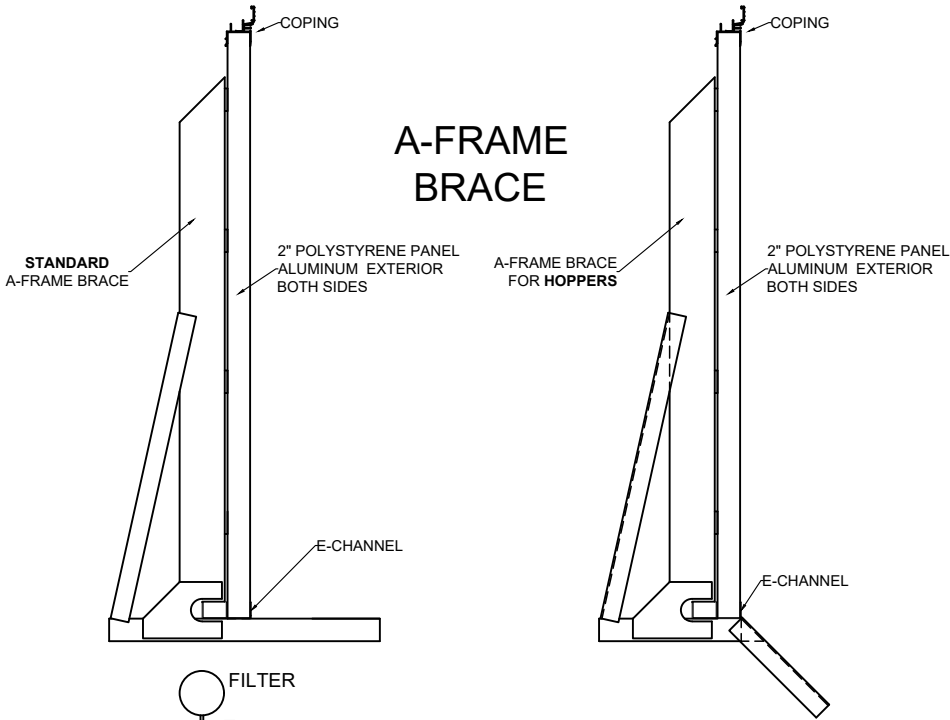
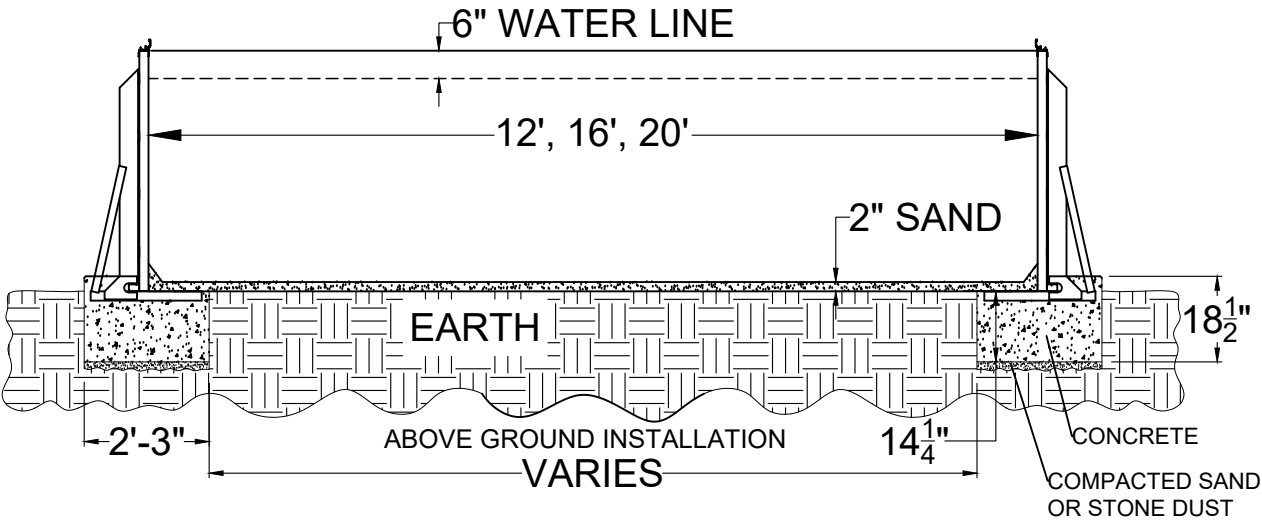
F) AN 8" CONTINUOUS CONCRETE BOND BEAM (COLLAR) MUST BE POURED AROUND THE
ENTIRE PERIMETER.

3) WHEN PANELS ARE JOINED USING SPLINES, THE ASSEMBLY IS ELECTRICALLY BONDED.
WHEN THE POOL IS FULLY ASSEMBLED THE ELECTRICAL CONTINUITY MEETS THE
REQUIREMENTS OF THE US NATIONAL ELECTRIC CODE.4) CONSTRUCTION METHODS AND PRECAUTIONS ARE DICTATED BY GROUND AND SOIL
CONDITIONS TO BE DETERMINED BY THE CONTRACTOR, WHO IS NOT AN AGENT OR
EMPLOYEE OF RADIANT POOLS OR THE MANUFACTURER OF THE POOL COMPONENTS

POOL COMPONENTS	
1	CORNER CONNECTOR - (8) CONNECTS STRAIGHT WALLS TO CORNER PANELS
2	STRAIGHT WALL PANELS - PANELS JOIN TOGETHER ON EACH SIDE
3	SPLINES - 4 ARE SLID IN AT EACH JOINT TO CONNECT WALL PANELS
4	COPING FINISH CAP - ATTACHES TO UNIVERSAL BASE FOR FINISH PREFERENCE
5	UNIVERSAL COPING BASE - SECTIONS MOUNT OVER WALLS TO HOLD LINER
6	CONCRETE - ANCHORS A-FRAMES
7	SHROUD - (OPTIONAL) COVER FOR A-FRAME
8	SKIMMER - CONTINUALLY REMOVES SURFACE DEBRIS
9	INLET - RETURNS FILTERED WATER TO POOL
10	CORNER WALL PANELS - (4) JOIN TO STRAIGHT WALL PANEL AT CORNERS
11	E CHANNEL - PROVIDES FRAMEWORK SUPPORT FOR POOL WALL
	VINYL LINER - FITS INSIDE POOL TO FORM A WATERTIGHT SKIN

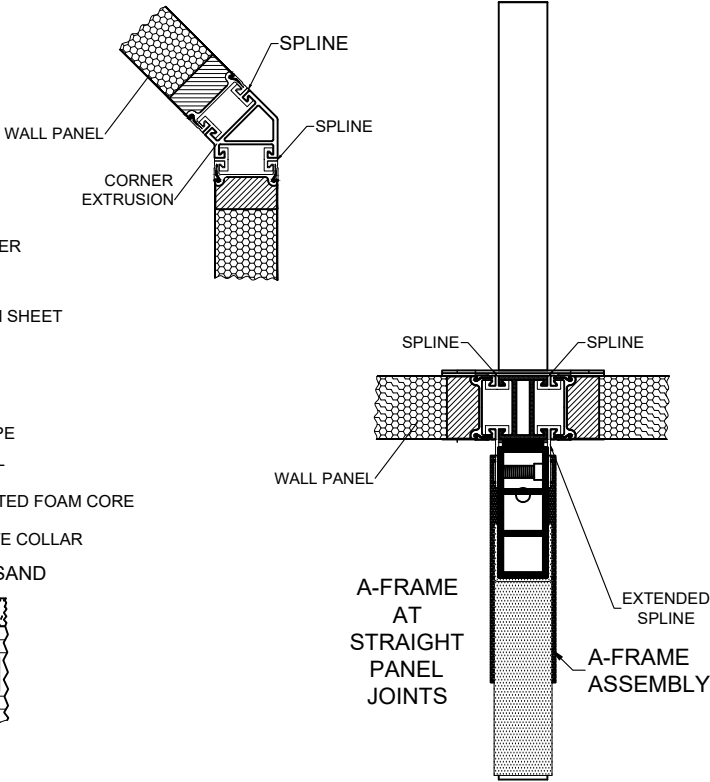
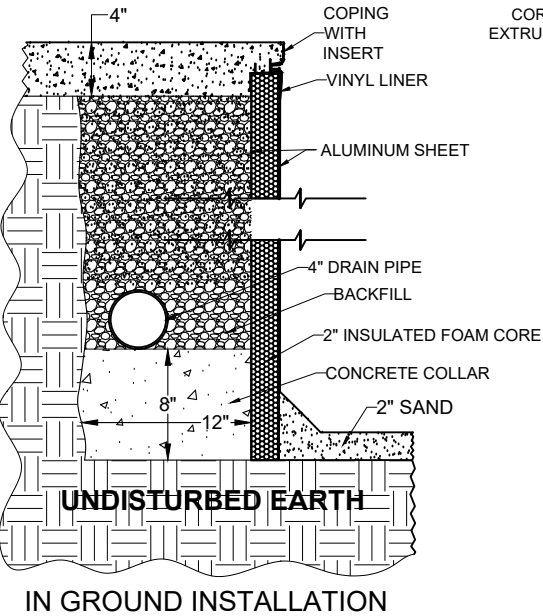


METRIC SERIES / 52" WALL HEIGHT / POOL SIZE / WATER GALLONAGE				
NOMINAL SIZE	STRAIGHT PANELS	CORNER PANELS	# OF A-FRAMES	VOL. 44" OF WATER
12' X 20'	12	4	8	5,955 GAL.
16' X 27'	18	4	14	11,448 GAL.
20' X 31'	22	4	18	16,554 GAL.



EXAMPLE: PARTIAL IN GROUND INSTALLATION

NON-DIVING POOL
USE OF DIVING EQUIPMENT
IS PROHIBITED



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METRIC SERIES EMERALD POOLS

DATE: 03/15/19	PERIMETER: VARIES	AREA: XXXX sq.ft.	GALLONAGE: XXXX gal.	DEALER XXXXXX
CUSTOM FEATURES		DRAWN BY: STEVE	CHECKED BY: XXXXXX	CUSTOMER XXXXXX
PART NO.		SCALE NTS	FILE NAME: XXXXXX	PAGE 1 OF 1