

SCALE : 1/8" = 1'

ELEC DEMAND

POOL : 100AMPS
 (4) PUMPS @ 20 AMPS EACH
 STRUCTURE SERVICE : 20 AMPS
 KOI POND : 30 AMPS
 TOTAL AMP DRAW 150 AMPS

GAS DEMAND

DEMAND : 920K BTU'S
 FIRE PIT 220K BTU'S
 GRILL 300K BTU'S
 POOL HEATER 400K BTU'S
 THEREFORE (2) 2" LINES
 POOL HEATER 2" @ 226 LNFT
 GRILL AND FIRE-PIT 2" @ 148 LNFT

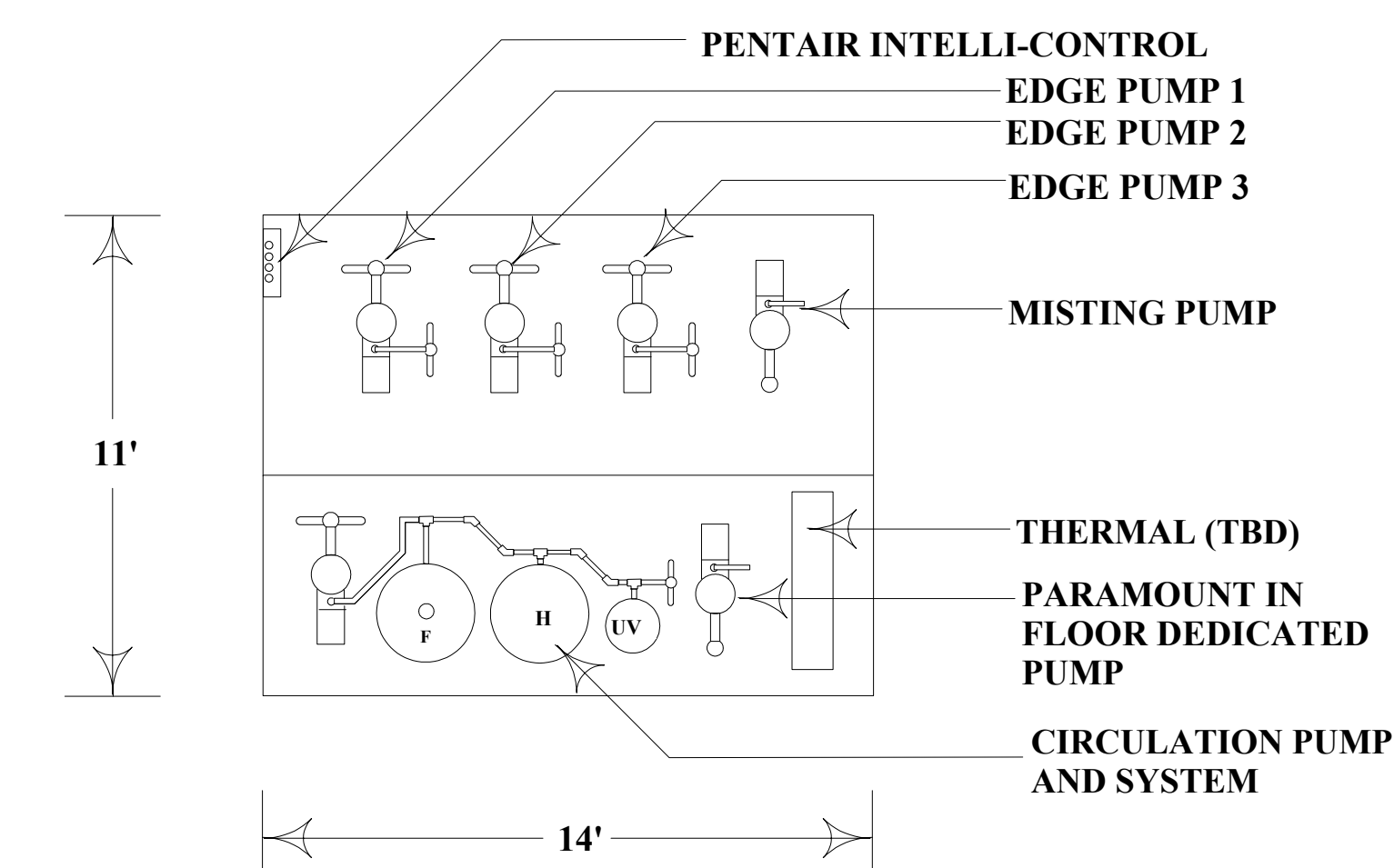
POOL CATCH BASIN EDGE DEMAND

735 SQ.FT 187 SQFT
 118.LNFT.(PERIM) ADD PERIM 64 LNFT
 DEPTH .3'6" X 6' DEPTH (3')
 GALLONS (28,498 GAL) GALLONS (3,366 GAL)
 EDGE LENGTH : 74 LNFT
 EDGE DEMAND: 602 GPM
 CALCS : 6GPM / FT @ 74FT
 + 114 GAL STATIC LIFT
 + 10% FRICTION LOSS
 OPERATION DROP IN BASIN 5"

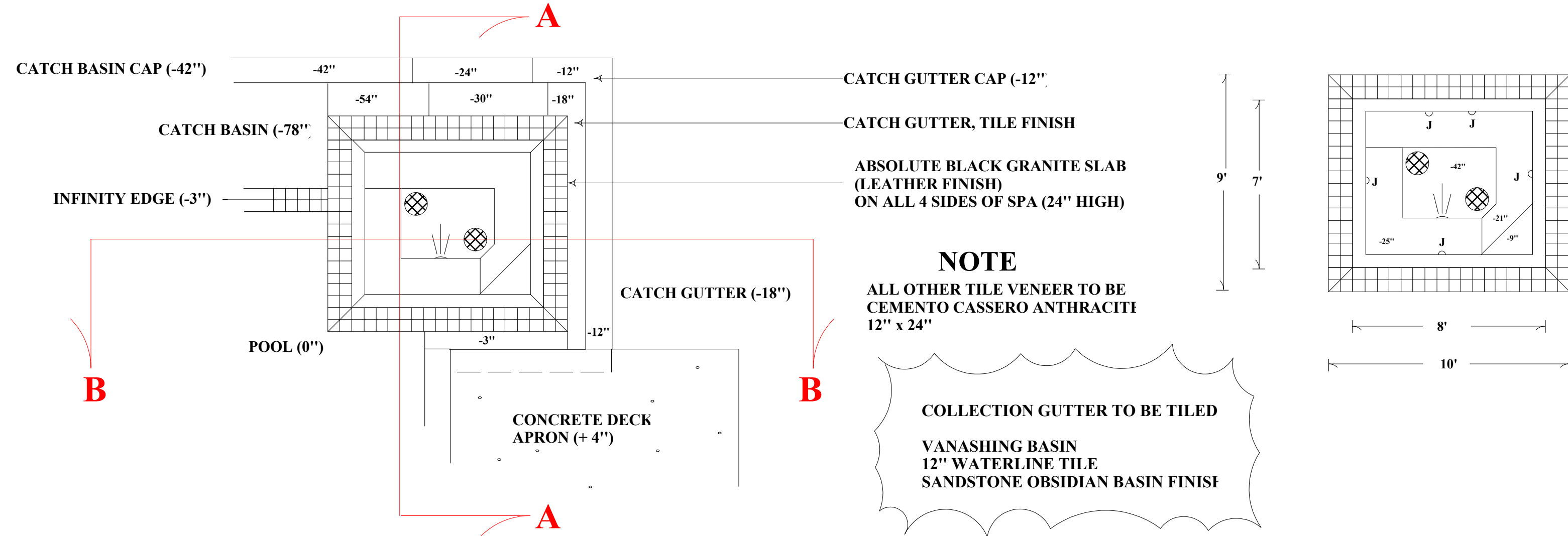
WATERPROOFING NOTES

* ALL SURFACES INSIDE AND OUTSIDE
 * MIN OF 48 HRS CURING TIME, BETWEEN APPLICATIONS
 1 COAT OF MIRAPRIME AQUA-BLOK XL (CONDITION SUBSTRATE)
 2 COATS OF MIRAFLEX MEMBRANE C (FLEXIBLE CEMENTITIOUS WATERPROOFING)
 1 COAT OF MIRACOTE BC PRO (BOND COAT / RIGID CEMENTITIOUS WATERPROOFING)

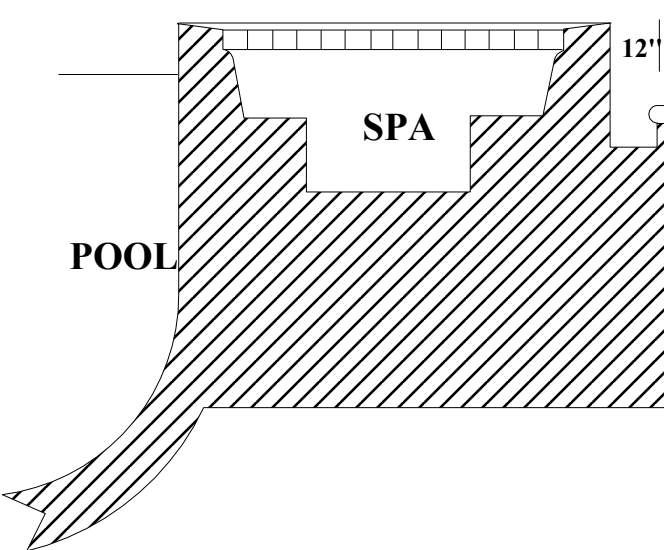
EQUIPMENT PAD LAYOUT SCALE: 1/4" | 1'



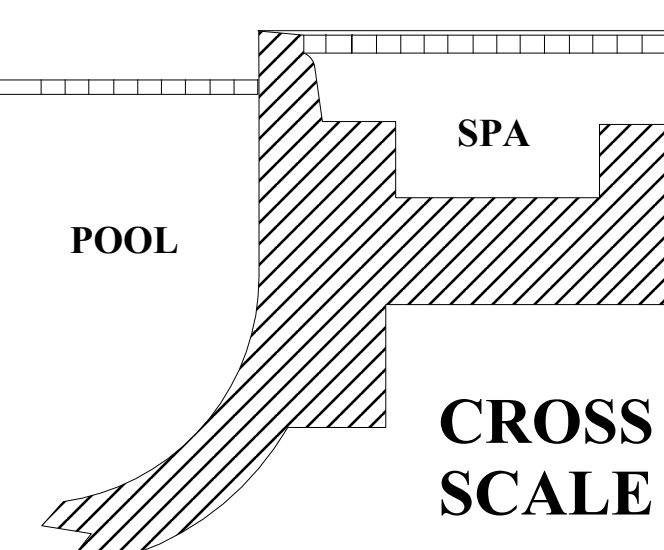
SPA DETAIL SCALE 1/4" | 1'



CROSS SECTION A SCALE 1/4" | 1'



CROSS SECTION B SCALE 1/4" | 1'



ALL CONSTRUCTION TO CONFORM TO CBC UNIFORM SWIMMING POOL, SPA AND HOT TUB CODE, 2015 EDITION

UNIFORM SWIMMING POOL, SPA AND HOT TUB CODE, 2015 EDITION
 2016 CALIFORNIA RESIDENTIAL CODE
 2016 CALIFORNIA PLUMBING CODE
 2016 CALIFORNIA MECHANICAL CODE
 2016 CALIFORNIA ELECTRICAL CODE
 2016 CALIFORNIA FIRE CODE
 2016 CALIFORNIA ENERGY CODE
 2016 CALIFORNIA GREEN CODE

EQUIPOTENTIAL BONDING GRID

I) PERIMETER SURFACE SHALL EXTEND (3FT) HORIZONTALLY BEYOND THE INSIDE WALLS OF THE POOL AND SHALL INCLUDE UNPAVED SURFACE AS WELL AS SPAURED CONCRETE AND OTHER TYPES OF PAVING.
 II) REINFORCING STEEL AND COPPER CONDUCTOR GRIDS (#4 MINIMUM) ARE TO BE ATTACHED TO THE POOL STRUCTURE AT A MINIMUM OF (4) POINTS UNIFORMLY SPACED AROUND THE PERIMETER OF THE POOL.

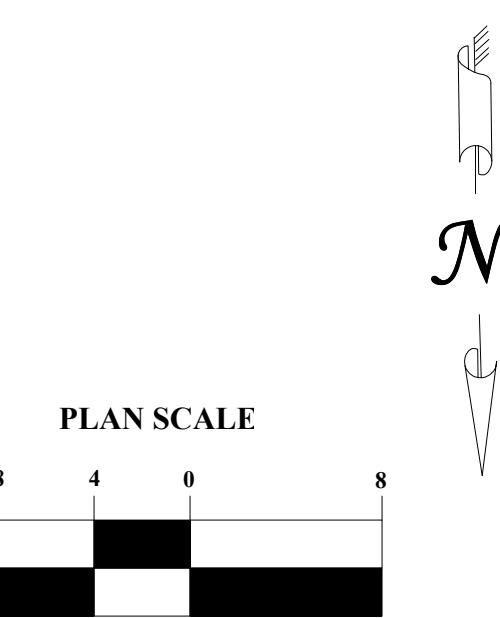
- THE TOP OF THE BARRIER SHALL BE AT LEAST SIXTY (60) INCHES ABOVE THE HIGHEST ADJACENT GRADE OR IMPROVED AREA MEASURED ON THE SIDE OF THE BARRIER THAT FACES AWAY FROM THE POOL. THE BARRIER SHALL BE AT LEAST THIRTY-SIX (36) INCHES HORIZONTALLY AWAY FROM THE BARRIER.
- OPENINGS IN THE BARRIER SHALL NOT ALLOW THE PASSAGE OF A FOUR INCH SQUARE AND THE MAXIMUM VERTICAL CLEARANCE BETWEEN GRADE AND THE BOTTOM OF THE BARRIER SHALL BE TWO INCHES MEASURED ON THE SIDE OF THE BARRIER THAT FACES AWAY FROM THE POOL.
- THE MAXIMUM VERTICAL CLEARANCE BETWEEN GRADE AND THE BOTTOM OF THE BARRIER SHALL BE TWO INCHES MEASURED ON THE SIDE OF THE BARRIER THAT FACES AWAY FROM THE POOL. WHEN THE GRADE IS A PAVED OR SOLID SURFACE, THE BOTTOM OF THE BARRIER MAY BE INCREASED TO A MAXIMUM OF FOUR INCHES.
- PERISTALMATIC ACCESS GATES SHALL OPEN OUTWARD AWAY FROM THE POOL AREA AND SHALL BE SELF-CLOSING AND HAVE A SELF-LATCHING DEVICE.
- RELEASE FOR THE SELF-LATCHING DEVICE SHALL BE LOCATED NO LESS THAN SIXTY (60) INCHES ABOVE GRADE.
- ALL DOORS ACCESSING A SWIMMING POOL SHALL BE EQUIPPED WITH AN APPROVED ALARM.

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NOTES

REVISIONS.

01-09-2019	
02-08-2019	
02-13-2019	
03-10-2019	
03-11-2019	
03-27-2019 (PERMITS)	



LOCATION MAP

PREPARED EXCLUSIVELY FOR:

NAME: _____
 ADDRESS: _____
 CITY: _____ ZIP: _____
 APN #: _____
 HOME PHONE: CELL PHONE: WORK PHONE: _____
 SIGNATURE: _____
 DATE: _____

ELEC POC
 200 AMP DEMAND
 POOL : 100 AMP
 KOI POND : 30 AMP
 ADDITIONAL : 75 AMPS

GENERAL POOL SPECIFICATIONS:

POOL:	42'
MAXIMUM LENGTH:	20'
MAXIMUM WIDTH:	3'6" x 7'6"
DEPTH:	118 LNFT
POOL PERIMETER:	735 SQFT
POOL SQUARE FTG:	28,498 GAL
POOL VOLUME:	7.14 HRS / 63 GPM
SPA:	
SIZE:	56 SQFT IN: 7' x 8' OUT: 9' x 10'
PLUMBING RUN:	95 LNFT
DAM WALL LENGTH:	PERIMETER OVER-FLOW
NUMBER OF JETS:	(5)
PUMP TYPE:	SHARED CIRCULATION PUMP
MAKE:	PENTAIR VSE II
SPA SIDE REMOTE:	N/A
LIGHT:	PENTAIR SPA COLOR LED
EXCAVATION:	
ACCESS:	SOUTH SIDE PL
EQUIPMENT USED:	STD EXCAVATOR
REMOVE SOIL:	REMAIN ON SITE
REMOVE STUMPS:	N/A
REMOVE FENCE:	N/A
REPLACE FENCE:	N/A
REMOVE CONCRETE:	N/A
SAW CUT CONCRETE:	N/A

EXPANSIVE SOIL STEEL SCHEDULE

PLUMBING:

PLUMBING:	110 LNFT
RETURNS:	(3)
SECTION SIZE:	100 GAL (3" @ 4.53 FPS)
RETURN SIZE:	100 GAL (1/2" @ 6.73 FPS)
GAS LINE SIZE:	AS PER PLAN
W-FALL PLUMB:	SEE BASIN PLUMBING
VALVES:	TBD
ELECTRICAL:	
FOOTAGE:	TBD
LIGHTS:	(2) PENTAIR INTELLI-BRITE & (1) GLO-BRITE
OTHER:	SERVICE TO FUTURE SHADE STRUCTURE
GUNITE:	
LOVE SEAT:	AS PER PLAN
BENCHES:	AS PER PLAN
CABO SHELF:	AS PER PLAN
NOTCHED BEAM:	TBD
R.R.B.:	1N-X 1N-FT
R.R.B.:	1N-X 1N-FT
R.R.B.:	1N-X 1N-FT

FASCIA TYPE:

TILE:	TBD
STONE:	TBD
OTHER:	TBD
DECKING:	
SQ.FT.:	2228 SQFT
TYPE:	TBD
DEC'DRAIN:	59 LNFT
CANTILEVER:	202 LNFT
STAIR RISERS:	(STD STEP 6" STEP RISER) 164 LNFT
ADDITIONAL CONCRETE:	* STAIRCASES (BOTH SIDES) 981 SQFT

COPING:

TYPE:	TBD	MASTIC:	1N-FT
TILE:			
WATERLINE TYPE:	STD		
TRIM:	N/A		

PLASTER:

COLOR:	
GEMSTONE:	SANDSTONE COLOR: OBSIDIAN
QUARTZ:	TBD COLOR: TBD
ROCKWORK:	
TYPE:	N/A
WATERFALL:	N/A

EQUIPMENT:

FILTER TYPE:	PENTAIR MOD-MEDIA CARTRIDGE FILTER
SIZE:	500 SQFT
PUMP TYPE:	PENTAIR VSE II (VARIABLE SPEED)
SIZE:	3 HP
DEDICATED PUMP:	1HP PENTAIR MAX-PRO (IN-FLOOR)

CONTROL LINES/PENTAIR INTELLI-CENTER/ EXPANSION KITS

HEATER TYPE: PENTAIR MAX-THERM 400K BTU HEATER
 PARAMOUNT IN-FLOOR CLEANING SYSTEM
 PARAMOUNT OZONE / UV
 OTHER: BASIN
 (3) PENTAIR VSE II XF (200 GPM / EA)
 (4) PENTAIR 2" GLO-BRITE LED LIGHT
 PENTAIR I-LINK INTERFACE

LES BEDINGFIELD

DRAWN BY: _____
 DATE: 11 / 14 / 2018