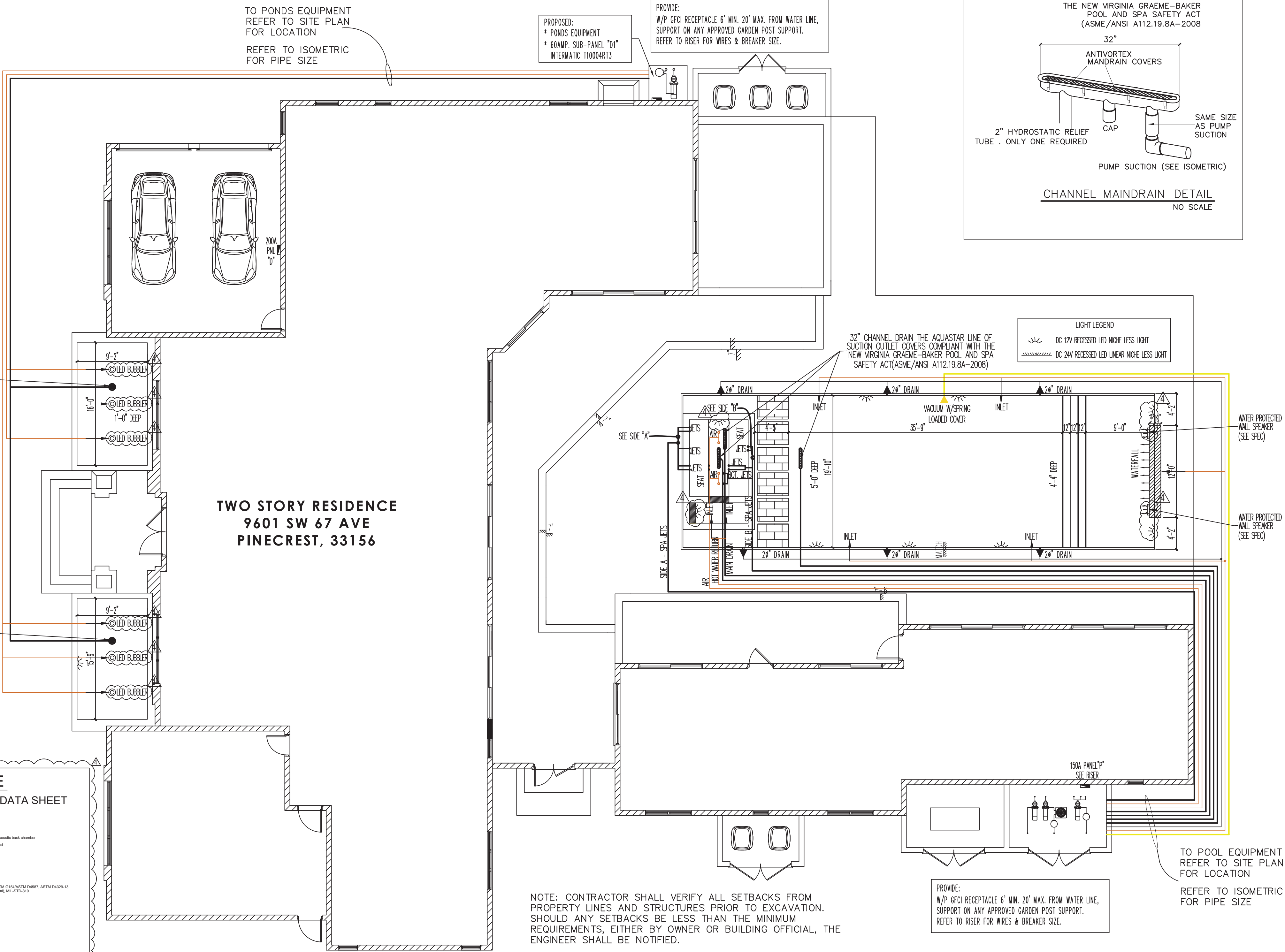
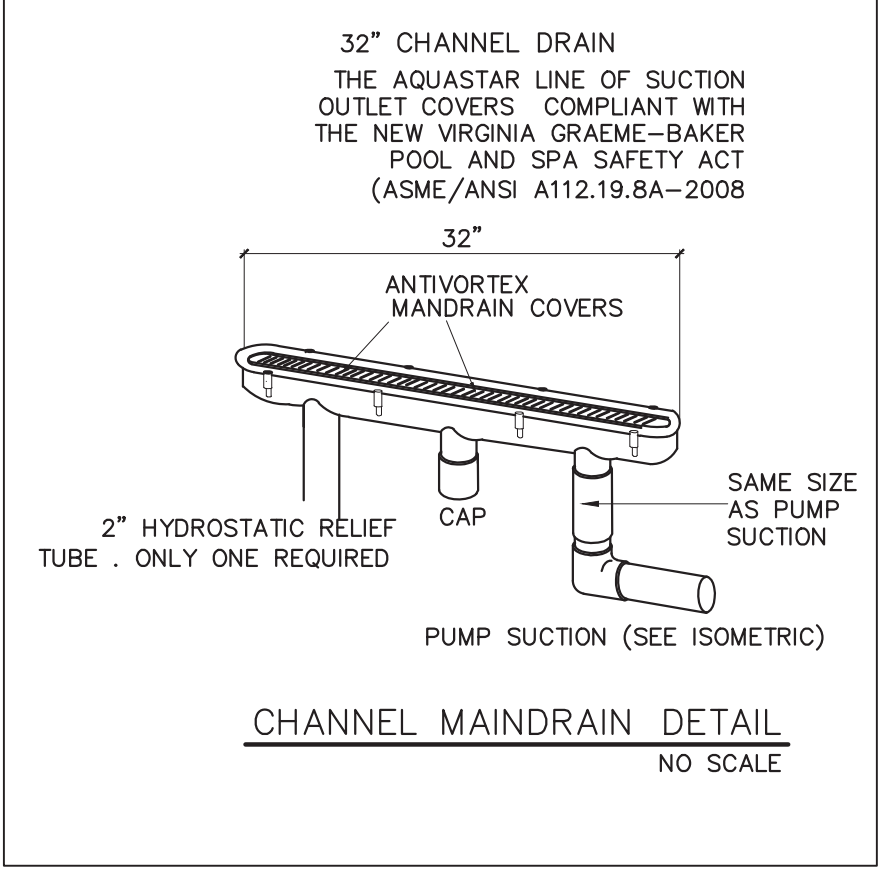
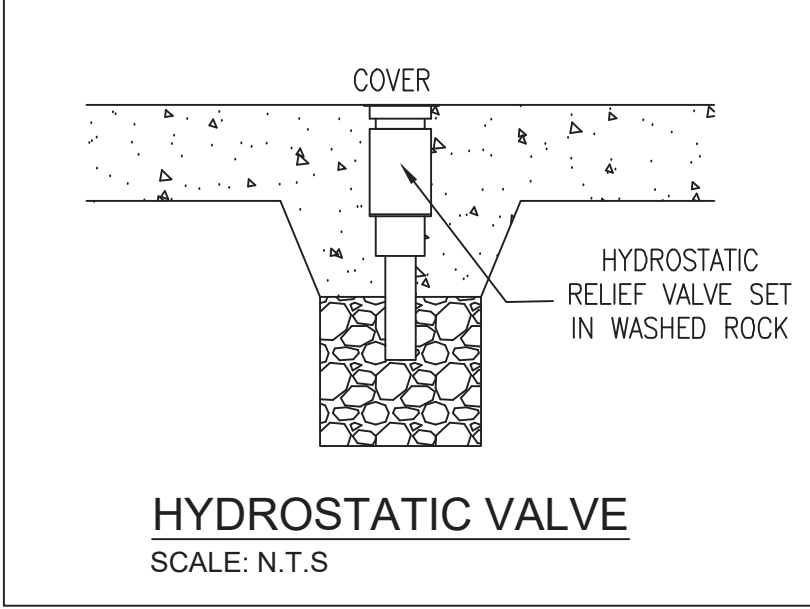
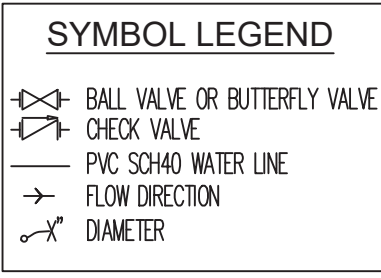
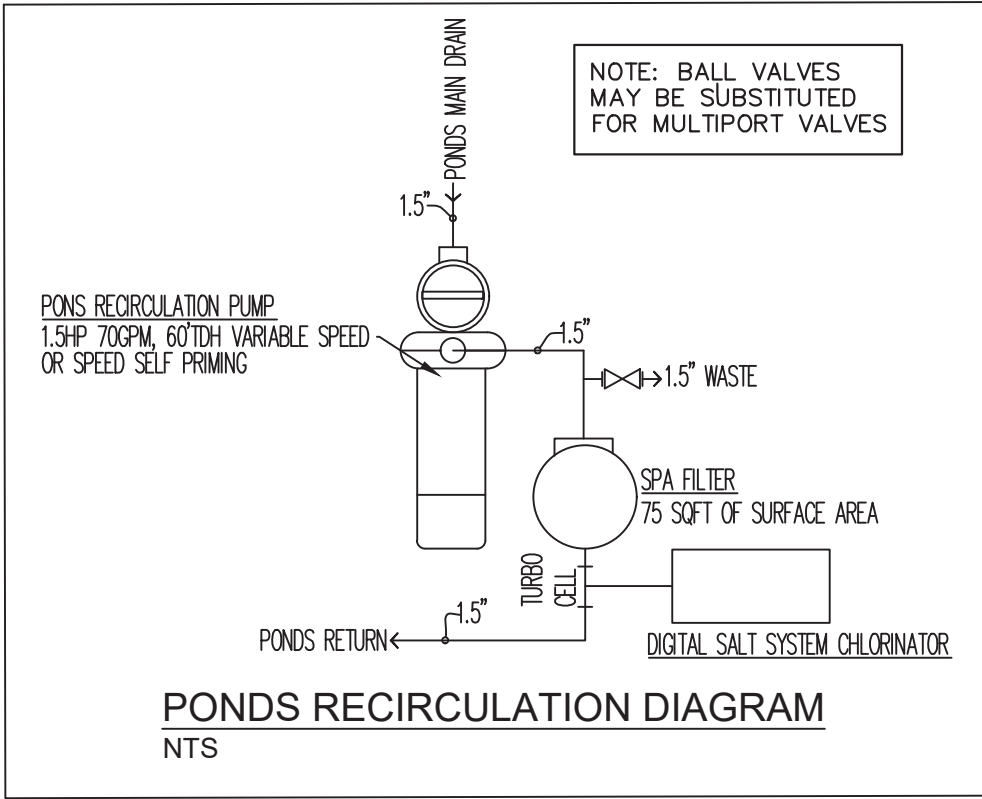
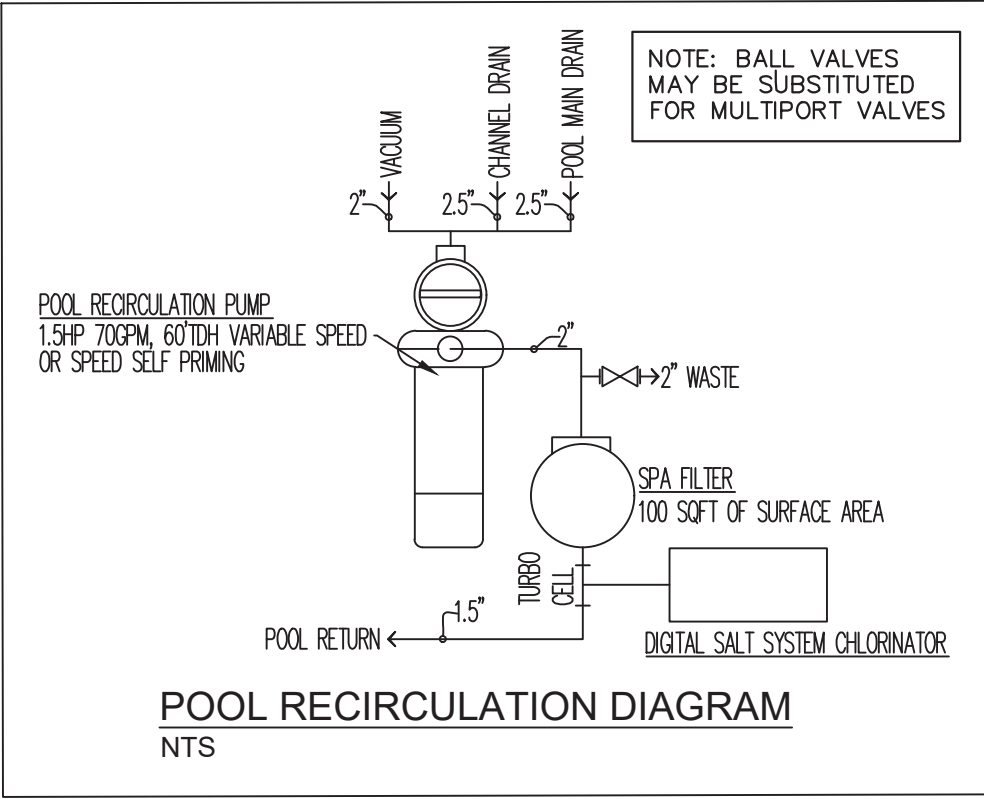
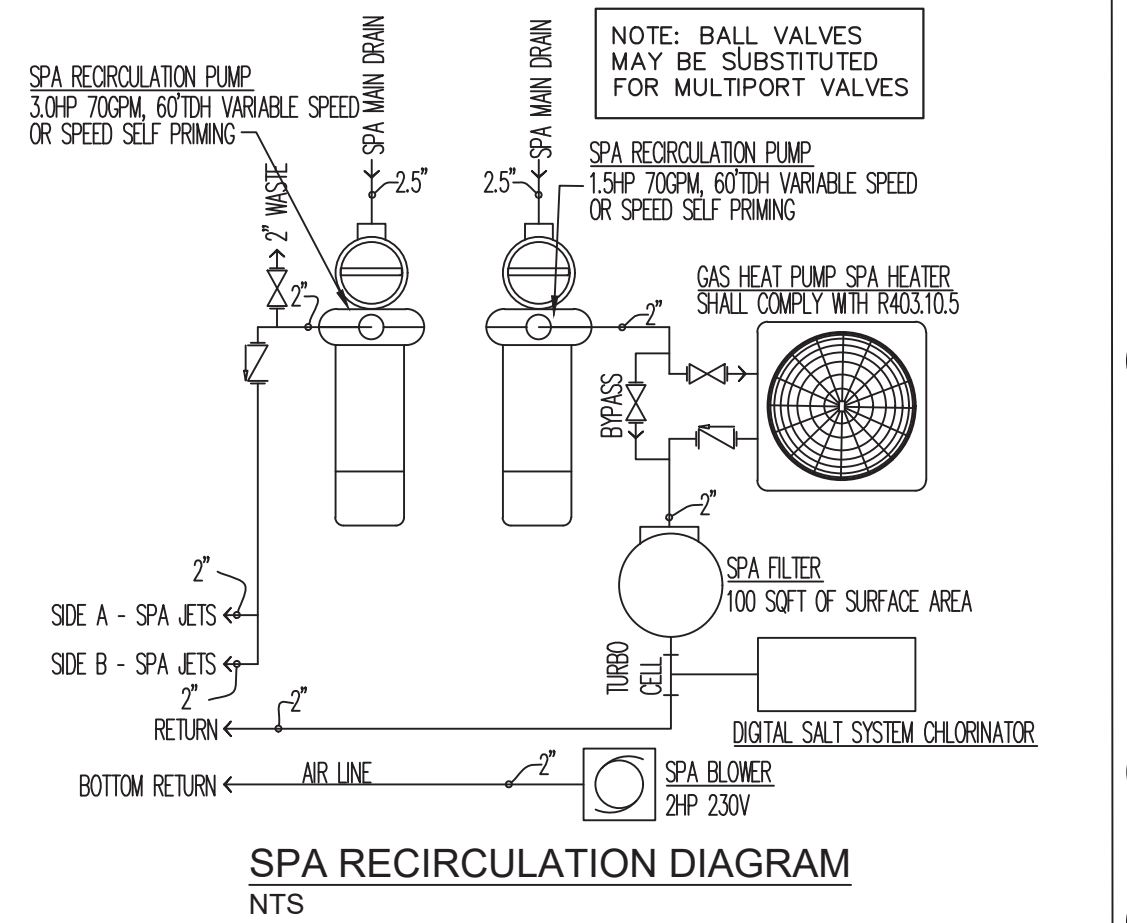
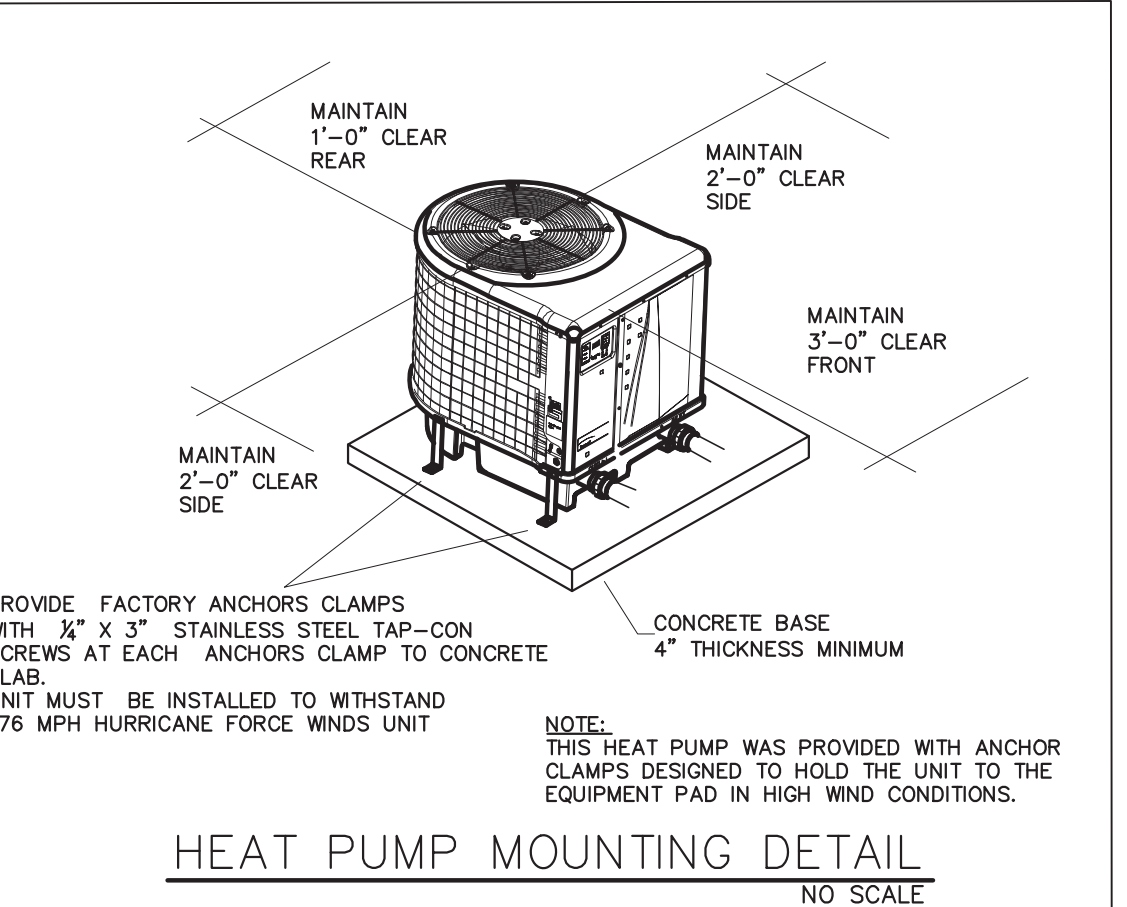
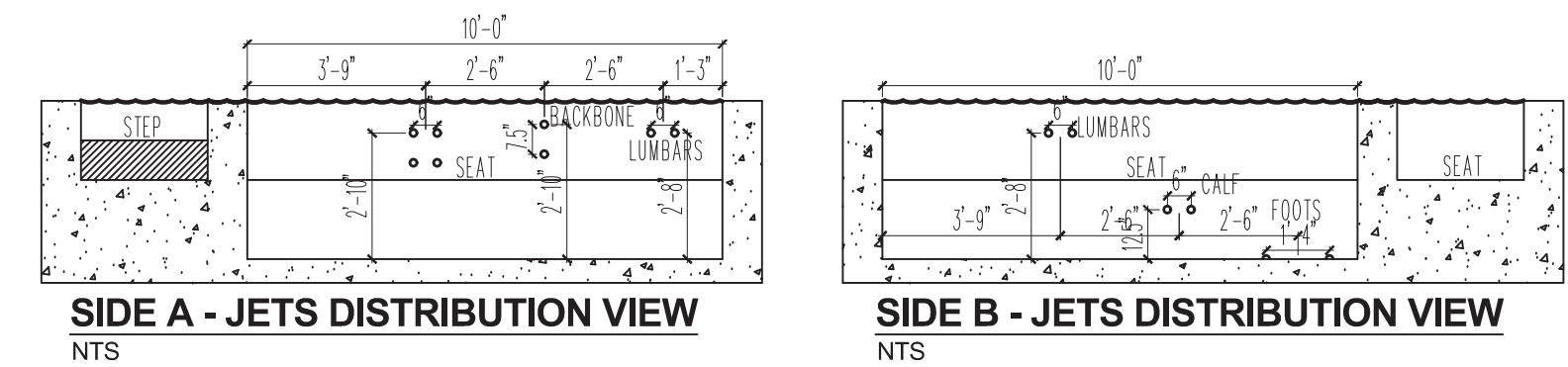


POOL, SPA AND PONDS DATA			
	POOL	SPA	PONDS
SURFACE AREA (SQ.FT.)	1,052.25	203.33	146.70
AVERAGE DEPTH (FEET)	3.96	2.35	1.00
VOLUME (GALLONS)	31,168.48	3,574.14	1,121.28
PUMP GPM	150.00	70.00	70.00
TURNOVER (HOURS)	3.46	0.85	0.27
PERIMETER (FEET)	144.80	60.40	50.40

PLUMBING NOTES:

- ALL POOL EQUIPMENT PIPING SHALL BE SCHEDULE 40, PVC-PW, NON-THREADED, NSF APPROVED SUPPORTED CONTINUOUSLY ON GROUND OR ON MAXIMUM 4'-0" CENTERS WITH CLEVIS HANGERS.
- ALL SUCTION PIPING SHALL BE 2" DIAMETER AND ALL PRESSURE PIPING 1-1/2" DIAMETER UNLESS OTHERWISE NOTED.
- POOL WATER DISPOSAL SHALL BE IN ACCORDANCE WITH LOCAL BUILDING DEPARTMENT REQUIREMENTS.
- ANTI VORTEX MAIN DRAINS SHALL HAVE ITS PLATE SECURELY FASTENED WITH TAMPERPROOF SCREWS.
- POOL VACUUM SHALL HAVE SPRING LOADED CAP IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.
- ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE-PLUMBING SECTION 309 AS IT PERTAINS TO BUOYANCY
- THE WATER VELOCITY THOUGH ALL SUCTION PIPING SHALL BE LESS THAN 8 FEET PER SECOND.
- THE WATER VELOCITY THROUGH ALL PRESSURE PIPING SHALL BE LESS THAN 10 FEET PER SECOND
- ALL PIPING SHALL BE SUITABLE FOR EXPOSURE TO ULTRA VIOLET RADIATION AND NORMAL OPERATING TEMPERATURES.



SONANCE
VISUAL EXPERIENCE EXTREME DATA SHEET
VXXT6 IN-WALL SPEAKER

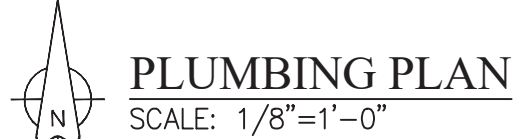
TECHNICAL SPECIFICATIONS

Size	100mm x 100mm
Speaker	1" (25mm) waterproof dome, ferrofluid-coated, acoustic back chamber
Mounting	1/2" (12mm) polypropylene cone, Sandscape mount
Dispersion Technology	Dispersed sound technology
Frequency Response	40Hz - 20kHz (+3dB)
Impedance	8 Ohm nominal, 4 Ohm minimum
Power Handling (RMS)	5 watts maximum, 100 watts maximum
Sensitivity (2.8V/1m)	90dB
Environmental Compliance	IP68 (Submersible), ASTM B117, ASTM G164, ASTM D1990, ASTM D2000-15, ASTM D2000-16, ASTM D2000-17, ASTM D2000-18, ASTM D2000-19, ASTM D2000-20, ASTM D2000-21, ASTM D2000-22, ASTM D2000-23, ASTM D2000-24, ASTM D2000-25, ASTM D2000-26, ASTM D2000-27, ASTM D2000-28, ASTM D2000-29, ASTM D2000-30, ASTM D2000-31, ASTM D2000-32, ASTM D2000-33, ASTM D2000-34, ASTM D2000-35, ASTM D2000-36, ASTM D2000-37, ASTM D2000-38, ASTM D2000-39, ASTM D2000-40, ASTM D2000-41, ASTM D2000-42, ASTM D2000-43, ASTM D2000-44, ASTM D2000-45, ASTM D2000-46, ASTM D2000-47, ASTM D2000-48, ASTM D2000-49, ASTM D2000-50, ASTM D2000-51, ASTM D2000-52, ASTM D2000-53, ASTM D2000-54, ASTM D2000-55, ASTM D2000-56, ASTM D2000-57, ASTM D2000-58, ASTM D2000-59, ASTM D2000-60, ASTM D2000-61, ASTM D2000-62, ASTM D2000-63, ASTM D2000-64, ASTM D2000-65, ASTM D2000-66, ASTM D2000-67, ASTM D2000-68, ASTM D2000-69, ASTM D2000-70, ASTM D2000-71, ASTM D2000-72, ASTM D2000-73, ASTM D2000-74, ASTM D2000-75, ASTM D2000-76, ASTM D2000-77, ASTM D2000-78, ASTM D2000-79, ASTM D2000-80, ASTM D2000-81, ASTM D2000-82, ASTM D2000-83, ASTM D2000-84, ASTM D2000-85, ASTM D2000-86, ASTM D2000-87, ASTM D2000-88, ASTM D2000-89, ASTM D2000-90, ASTM D2000-91, ASTM D2000-92, ASTM D2000-93, ASTM D2000-94, ASTM D2000-95, ASTM D2000-96, ASTM D2000-97, ASTM D2000-98, ASTM D2000-99, ASTM D2000-100
Temperature Range	-40°F to 160°F (-40°C to 90°C)
Mounting Depth (D)	0.24" x 12.12" (20.4mm x 308.2mm)
Mounting Depth (H)	0.24" x 12.12" (20.4mm x 308.2mm)
Product Dimensions (WxDxH)	7.7" x 11.4" x 3.4" (197.8mm x 290.5mm x 86.1mm)
Mounting Depth (D)	2.3" (58.4mm)
Speaker Dimensions	3.7" (94.0mm)
Cut-Out Dimensions	6.9" (175.3mm) x 10.7" (271.8mm)
Product Weight	5.0 lbs (2.3 kg)
Shipping Weight	14.5 lbs (6.6 kg)

DIMENSIONAL DRAWINGS

ENVIRONMENTAL AND DURABILITY COMPLIANCE

ASTM D2000-15 (VERTICAL), ASTM D2000-16 (VERTICAL), ASTM D2000-17 (VERTICAL), ASTM D2000-18 (VERTICAL), ASTM D2000-19 (VERTICAL), ASTM D2000-20 (VERTICAL), ASTM D2000-21 (VERTICAL), ASTM D2000-22 (VERTICAL), ASTM D2000-23 (VERTICAL), ASTM D2000-24 (VERTICAL), ASTM D2000-25 (VERTICAL), ASTM D2000-26 (VERTICAL), ASTM D2000-27 (VERTICAL), ASTM D2000-28 (VERTICAL), ASTM D2000-29 (VERTICAL), ASTM D2000-30 (VERTICAL), ASTM D2000-31 (VERTICAL), ASTM D2000-32 (VERTICAL), ASTM D2000-33 (VERTICAL), ASTM D2000-34 (VERTICAL), ASTM D2000-35 (VERTICAL), ASTM D2000-36 (VERTICAL), ASTM D2000-37 (VERTICAL), ASTM D2000-38 (VERTICAL), ASTM D2000-39 (VERTICAL), ASTM D2000-40 (VERTICAL), ASTM D2000-41 (VERTICAL), ASTM D2000-42 (VERTICAL), ASTM D2000-43 (VERTICAL), ASTM D2000-44 (VERTICAL), ASTM D2000-45 (VERTICAL), ASTM D2000-46 (VERTICAL), ASTM D2000-47 (VERTICAL), ASTM D2000-48 (VERTICAL), ASTM D2000-49 (VERTICAL), ASTM D2000-50 (VERTICAL), ASTM D2000-51 (VERTICAL), ASTM D2000-52 (VERTICAL), ASTM D2000-53 (VERTICAL), ASTM D2000-54 (VERTICAL), ASTM D2000-55 (VERTICAL), ASTM D2000-56 (VERTICAL), ASTM D2000-57 (VERTICAL), ASTM D2000-58 (VERTICAL), ASTM D2000-59 (VERTICAL), ASTM D2000-60 (VERTICAL), ASTM D2000-61 (VERTICAL), ASTM D2000-62 (VERTICAL), ASTM D2000-63 (VERTICAL), ASTM D2000-64 (VERTICAL), ASTM D2000-65 (VERTICAL), ASTM D2000-66 (VERTICAL), ASTM D2000-67 (VERTICAL), ASTM D2000-68 (VERTICAL), ASTM D2000-69 (VERTICAL), ASTM D2000-70 (VERTICAL), ASTM D2000-71 (VERTICAL), ASTM D2000-72 (VERTICAL), ASTM D2000-73 (VERTICAL), ASTM D2000-74 (VERTICAL), ASTM D2000-75 (VERTICAL), ASTM D2000-76 (VERTICAL), ASTM D2000-77 (VERTICAL), ASTM D2000-78 (VERTICAL), ASTM D2000-79 (VERTICAL), ASTM D2000-80 (VERTICAL), ASTM D2000-81 (VERTICAL), ASTM D2000-82 (VERTICAL), ASTM D2000-83 (VERTICAL), ASTM D2000-84 (VERTICAL), ASTM D2000-85 (VERTICAL), ASTM D2000-86 (VERTICAL), ASTM D2000-87 (VERTICAL), ASTM D2000-88 (VERTICAL), ASTM D2000-89 (VERTICAL), ASTM D2000-90 (VERTICAL), ASTM D2000-91 (VERTICAL), ASTM D2000-92 (VERTICAL), ASTM D2000-93 (VERTICAL), ASTM D2000-94 (VERTICAL), ASTM D2000-95 (VERTICAL), ASTM D2000-96 (VERTICAL), ASTM D2000-97 (VERTICAL), ASTM D2000-98 (VERTICAL), ASTM D2000-99 (VERTICAL), ASTM D2000-100 (VERTICAL)



MTeam
PROJECT CORP.

PH: 786-554-5741
PH: 786-451-5076

JUAN MEDINA ALFONSO
LICENSE
No. 73236
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JUAN MEDINA ALFONSO P.E.
MA ENGINEERING SOLUTION, CORP.
LICENCE# 73236

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PROJECT
- SWIMMING POOL WITH SPA
- TWO FRONT PONDS
OWNER
9601 SW 53 AVE. LLC
9601 SW 53 AVENUE
MIAMI, FL 33156

REVISIONS

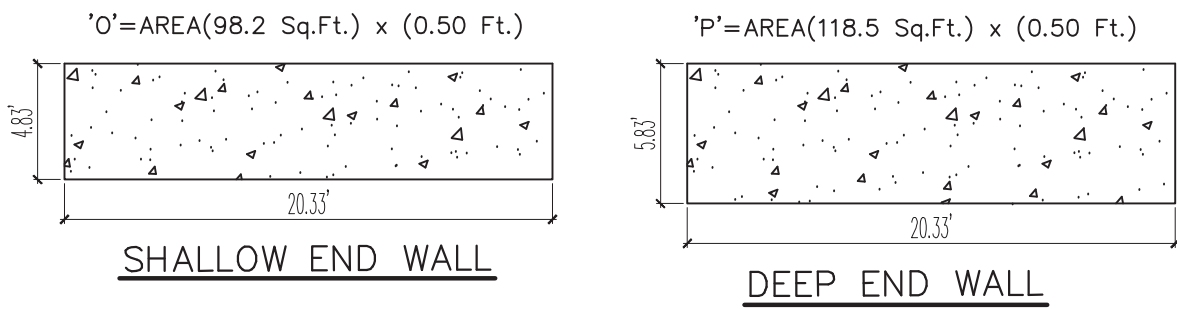
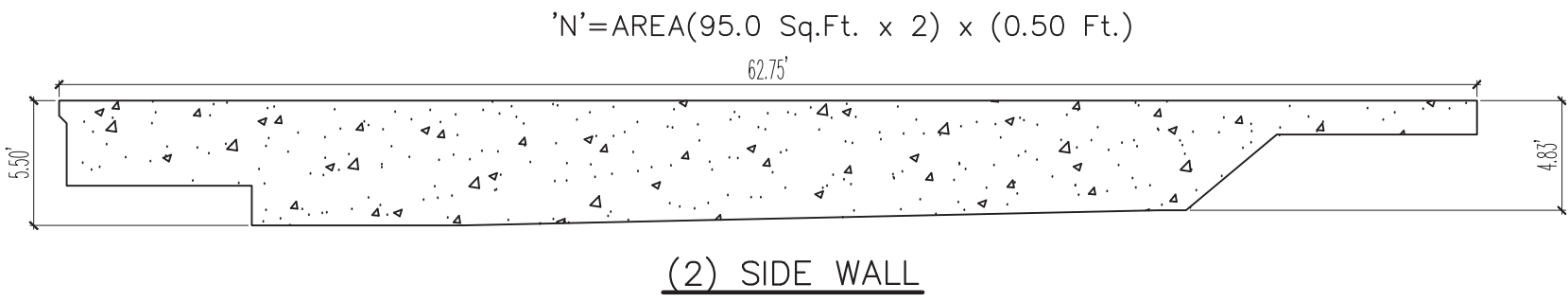
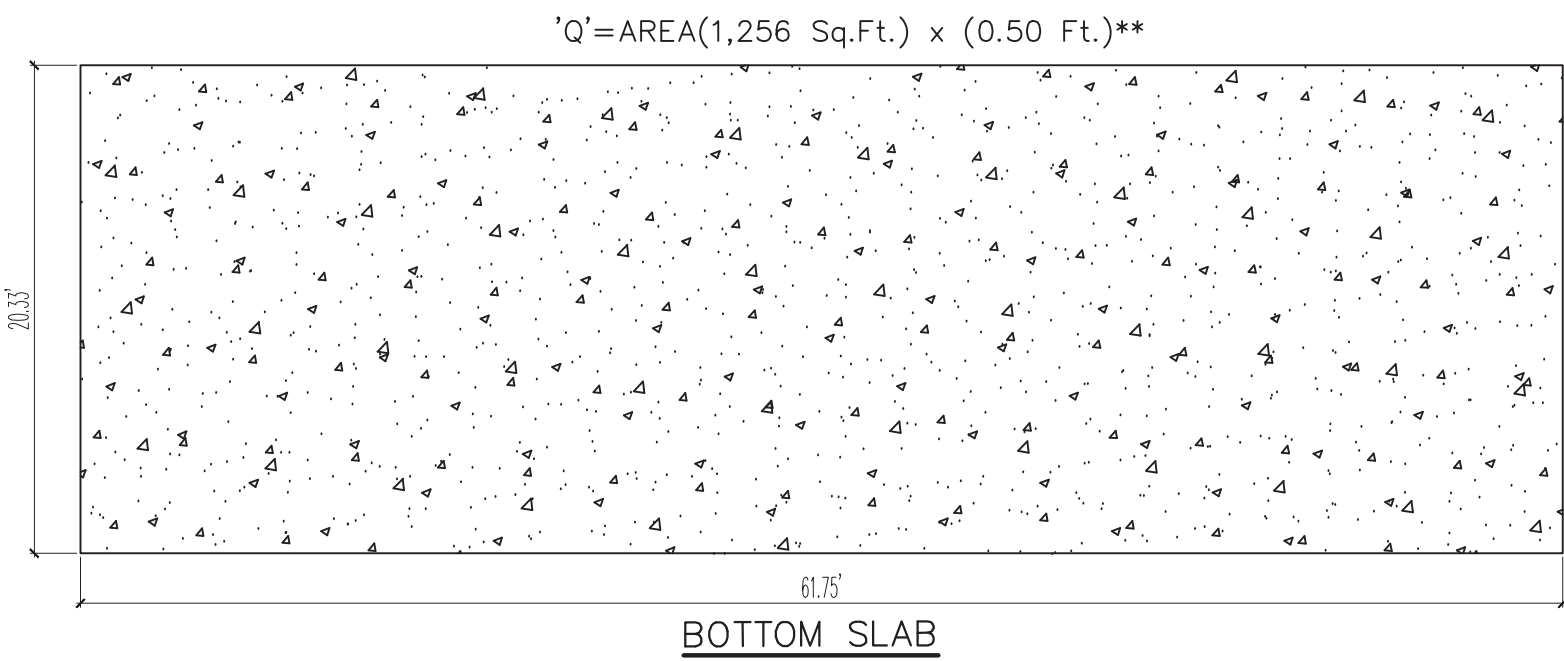
NO.	DATE
4	05/07/2026

DATE: 11/03/2025

SCALE: AS PER PLAN

NO. SHEET 1 OF 1

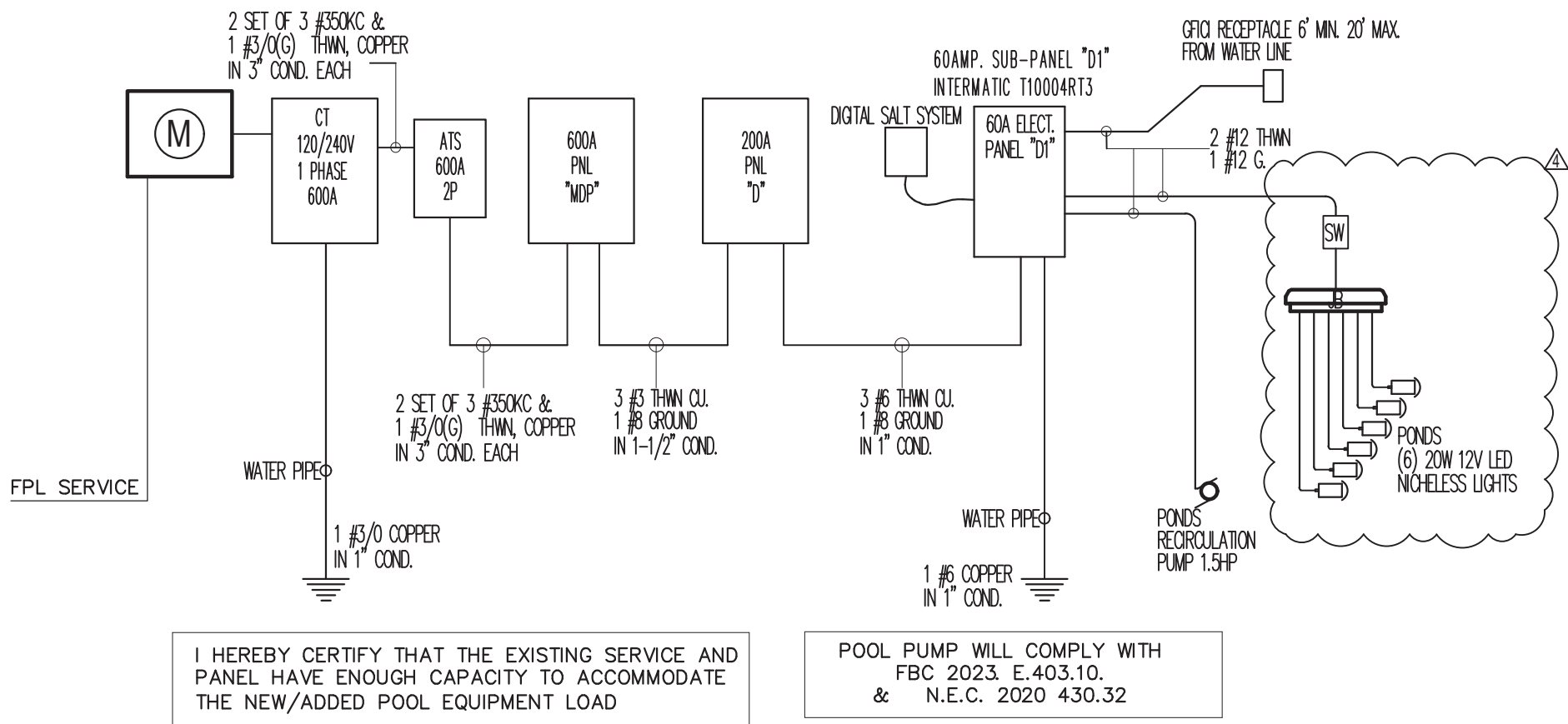
DRAWING NO.
SP-2



LOAD CALCULATION	PNL"P"	PNL"P"
SQUARE FEET OF CONDITION SPACE	0	0
GENERAL LIGHTING AT 3 W.S.F	0	0
SMALL APPLIANCES CIRCUITS	0	0
SMALL APPLIANCES LOAD	0	0
RANGE / OVEN OR COOK TOP	0	0
DOUBLE OVEN	0	0
DRYER	0	0
HOT WATER HEATER	0	0
SPRINKLER PUMP	1,000	1,000
POOL EQUIPMENT	2,000	0
SPA EQUIPMENT	1,000	0
OTHER LIGHTING	1,000	1,000
WASHER	0	0
REFRIGERATOR	0	0
DISHWASHER	0	0
DISPOSAL	0	0
MICROWAVE	0	0
GARAGE DOOR OPENER & GATE MOTOR	0	0
WHIRPOOL	0	0
OTHER LOAD 120V (EXHAUST FAN, FOUNTAIN)	0	0
LOAD 240V (E.V CHARGER, ELEVATOR, KITCHENETTE, STEAM UNIT)	0	0
CONNECTED LOAD WHTOUT A/C LOAD	5,000	2
FIRST 10000 AT 100%	5,000	2
REST AT 40%	0	0
A/C LOAD AT 100%	0	0
TOTAL	5,000	2,000
AT 240 VOLT	21	9

PANEL "P"														TYPE: LOAD CENTER	
VOLTS: 120/240V, 1PH, 3W														ENCLOSURE: NEMA 3R	
BUS: 150 A														MOUNTING: SURFACE	
MAIN: 150A M.C.B.														SERVING: POOL	
AIC: 10,000															
CKT	DESCRIPTION	COND	WIRE	LOAD	TRIP	POLE	A	B	POLE	TRIP	LOAD	WIRE	COND	DESCRIPTION	CKT
GFI 1	GENERATOR CHARGER	1/2	12	1500	20	1	+	+	2	20	1500	12	1/2	BLOWER 2 HP	2
GFI 3	EXTERIOR OUTLET	1/2	12	*	20	1	+	+	2	20	1500	12	1/2		4
GFI 5							+	+	2	20	1500	12	1/2		6
GFI 7	SPA PUMP	1/2	12	2000	20	2	+	+	2	20	1500	12	1/2	POOL PUMP 1.5 HP	8
GFI 9							+	+	1	20	500	12	1/2		10
GFI 11	JACUZZI PUMP	1/2	12	1500	20	2	+	+	2	40	4000	8	3/4	POOL LIGHTS	12
GFI 13							+	+	-	-	-	-	-	WET SAUNA	14
GFI 15	STEAM UNIT	3/4	8	7500	40	2	+	+	-	-	-	-	-	SPACE	16
GFI 17	RECEPTACLE	1/2	12	1000	20	1	+	+	-	-	-	-	-	SPACE	18
GFI 19	HEATER CONTROL	1/2	14	150	15	1	+	+	1	20	500	12	1/2	SPA LIGHTS	20
* SEE LOAD CALCULATION														GFI: PROVIDE GFI CIRCUIT BREAKER N.C: NON CONCURRENT LOAD	

ELECTRICAL PANEL SCHEDULE "D1" (INTERMATIC T10004RT3)													
Type: M.L.O.								Mains: See Riser					
Mounting: SURFACE								Bus Rating: 60 Amps					
Location: See Plan								Rating: 10 KAIC					
Enclosure: Nema 3R								Voltage: 120/240 V, 1PH, 3W					
Remarks	Cond Size	Wire	LOAD (VA) 100%	Pole	Trip	Ckt No	Ckt No	Pole	LOAD (VA) 100%	Wire	Cond Size	Remarks	
PONDS LIGHTS	1/2"	12	180	1	20	1	2	30	2	1,500	12	1/2"	PONDS PUMP 1.5 HP (GFCI)
IRRIGATION PUMP (GFCI)	1/2"	12	1,000	2	20	3	4						SPACE
SPACE						5	6						SPACE
TOTAL LOAD @ 100% :2,670 VA 11.1A OK													
FEEDER: 3 #6 THWN													
GROUND: 1#8 COPPER 1" CONDUIT													



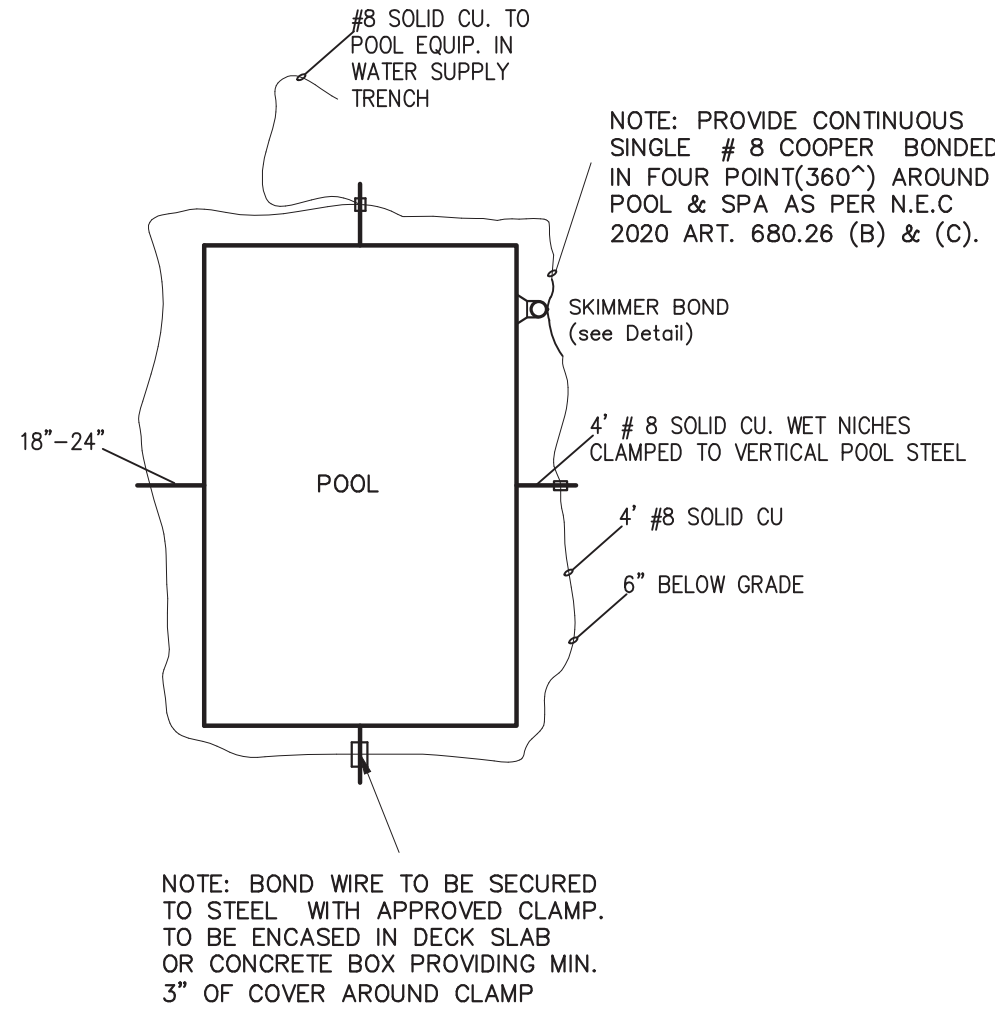
POONDS - ELECTRICAL RISER DIAGRAM

ELECTRICAL NOTES:

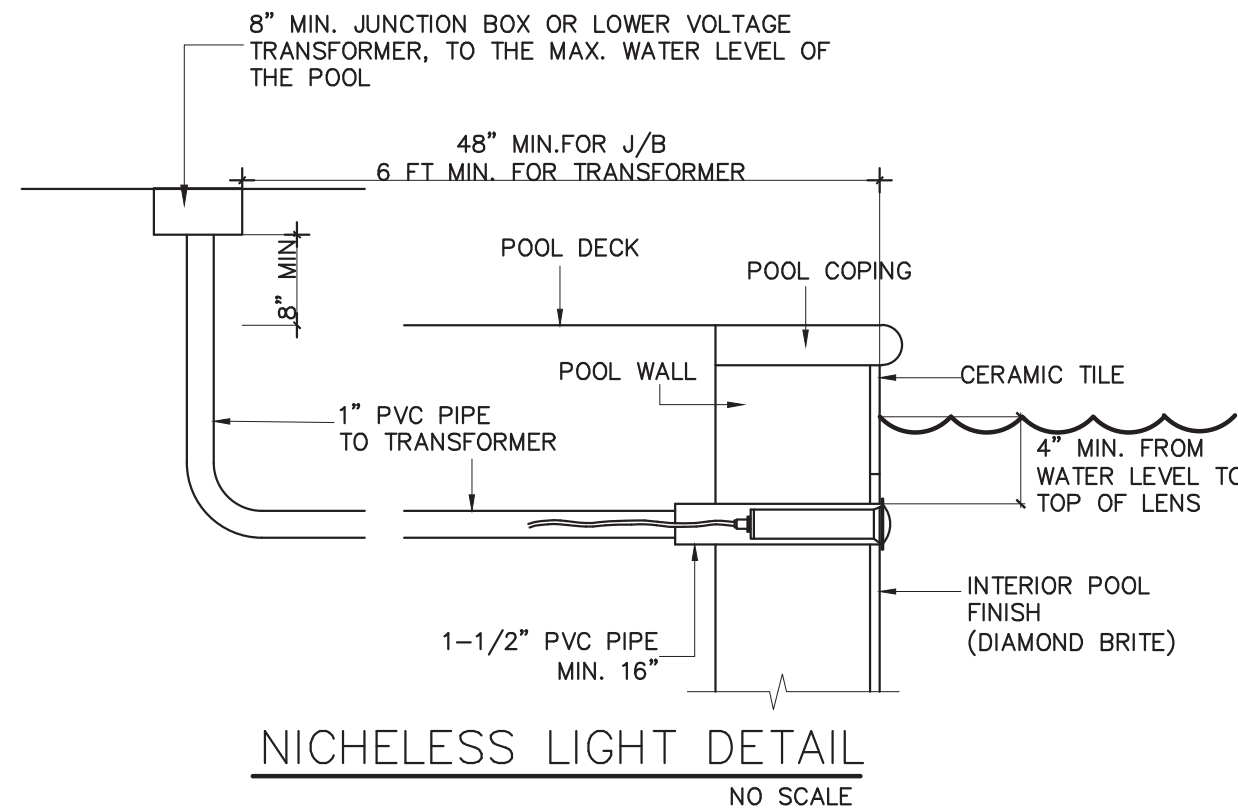
- ALL POOL ELECTRICAL WORK SHALL BE ACCOMPLISHED IN COMPLIANCE WITH FBC 2023, 8th EDITION, CHAPTER 42
- ALL POOL ELECTRICAL WORKS, GROUNDING AND BONDING MUST BE CONFORM WITH THE NEC 2020. ART. 680
- AT LEAST ONE GFCI PROTECTED, 125-VOLT RECEPTACLE OUTLET IS REQUIRED BETWEEN 6 AND 20 FEET OF THE INSIDE WALL OF THE POOL. NEC 680.22(A)(1)(RESIDENTIAL AND COMMERCIAL)
- THE EQUIPMENT GROUNDING CONDUCTOR MUST BE A MINIMUM 12 AWG COPPER. NEC 680.21(A)(1); 680.23(F)(2);680.25(8)(1)
- EQUIPOTENTIAL BONDING TO COMPLY WITH 2014 NEC 680.26(8) SHALL BE INSTALLED IN OR UNDER PAVED WALKING SURFACES FOR THREE FEET HORIZONTALLY BEYOND THE WALLS OF THE POOL. NEC 680.26(C) [4 POINTS & DECK BONDING (360 DEGREES)]
- RECEPTACLE/OUTLETS ARE NOT PERMITTED WITHIN 6 FEET OF THE INSIDE WALLS OF A POOL. NEC 680.22(A)(2)
- POOL PUMP MOTOR CIRCUITS, MUST BE PROVIDED WITH GFCI PROTECTION. NEC 680.21(C)
- LIGHTING OUTLETS MUST BE LOCATED A MINIMUM OF 5 FEET FROM THE INSIDE WALL OF A POOL OR MOUNTED A MINIMUM OF 12 FEET ABOVE THE MAXIMUM WATER LEVEL. NEC 680.22(8)(1.)
- OVERHEAD CONDUCTORS ARE NOT PERMITTED OVER THE POOL OR WITHIN 10 FEET HORIZONTALLY FROM THE EDGE OF THE POOL. FBC 424.1.4.2.4
- OVERHEAD CONDUCTORS SHALL NOT BE PERMITTED OVER THE POOL OR WITHIN 10 FEET HORIZONTALLY FROM THE EDGE OF THE POOL UNLESS PROVIDED WITH CLEARANCE TO COMPLY WITH NEC 680.8.
- A CONDUCTIVE ELEMENT THAT IS PART OF THE POOL BONDING SYSTEM MUST BE IN DIRECT CONTACT WITH THE POOL WATER. IN THE ABSENCE OF RAILS, LADDERS OR NICHES, A WATER BONDING SHALL MEET THE REQUIREMENT. NEC 680.26(C)
- ALL METAL PARTS WITHIN 5 FEET OF THE POOL MUST BE BONDED TO A COMMON BONDING GRID. NEC 680.26(8)(5)

NOTE: Bonding Within 5 feet of the Pool Wall

Once the grid or conductor material is under the walkway surrounding the pool and connected to the outer pool shell, any exposed metal within 5 feet of the surrounding interior pool wall must also be bonded to that underground conductor system by a No. 8 AWG copper conductor. This includes metal pool ladders, metal fencing, doors, window frames, and even steel conduit or cable within the first 5 feet surrounding the pool. This bonding requirement also extends to the pool electrical equipment and applicable lighting, minus any double-insulated water pump motors and pool water heaters greater than 50 amps, that have their own special bonding requirements from the manufacturer. (2020 NEC 680.4)



POOL BOND SCHEMATIC



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PROJECT
- SWIMMING POOL WITH SPA
- TWO FRONT PONDS
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REVISIONS

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SCALE: AS PER PLAN

NO. SHEET 1 OF 1

DRAWING NO.

SP-4