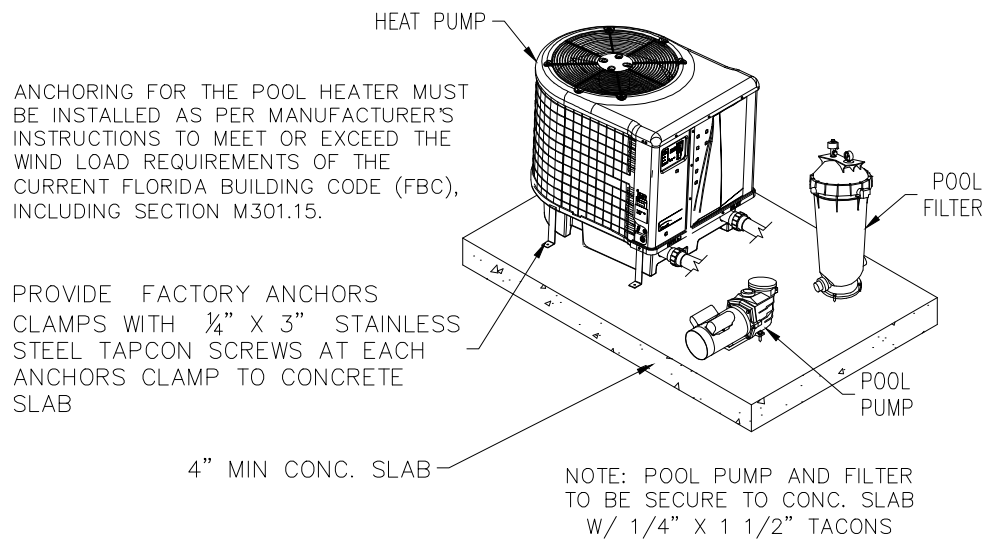
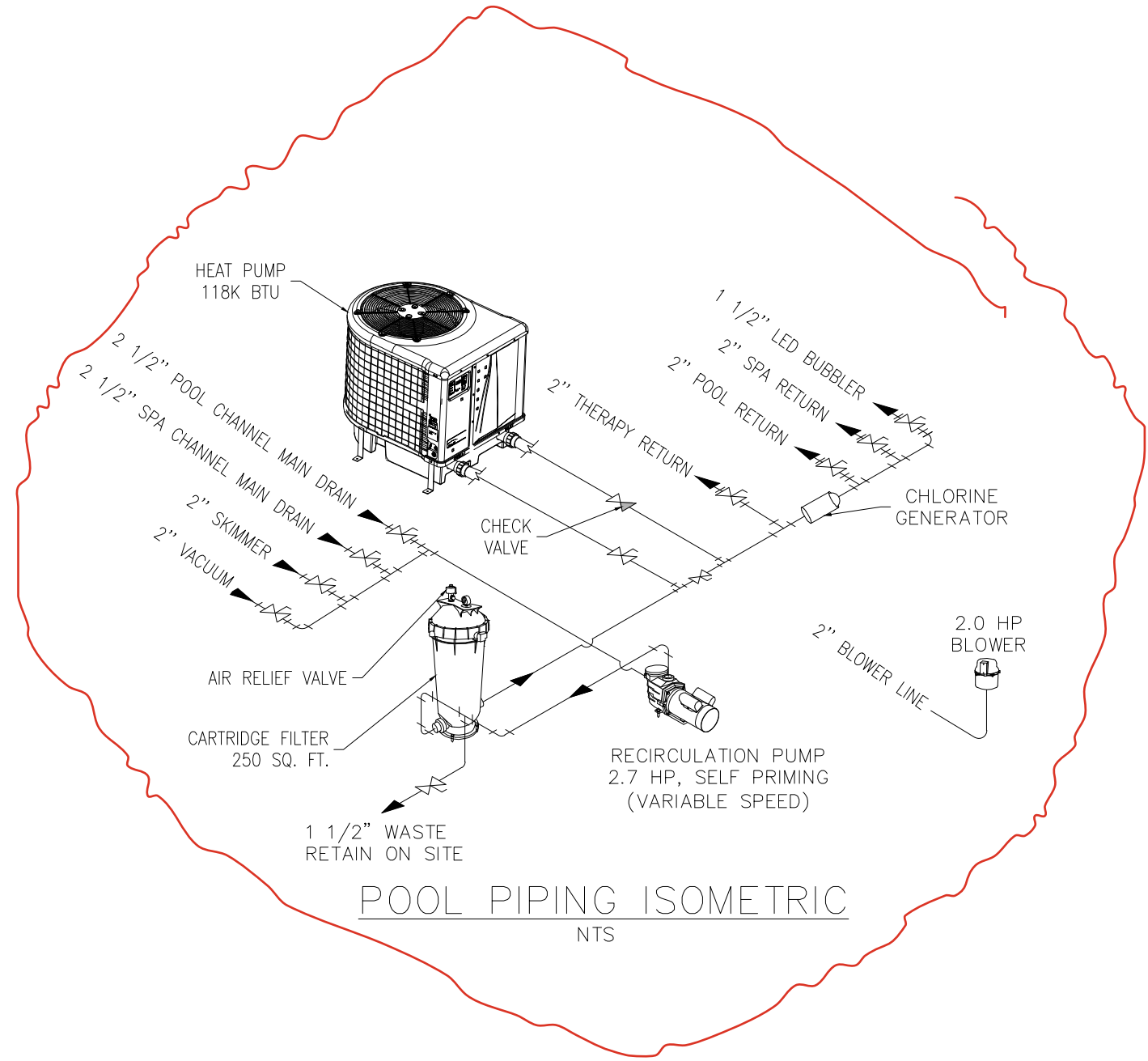
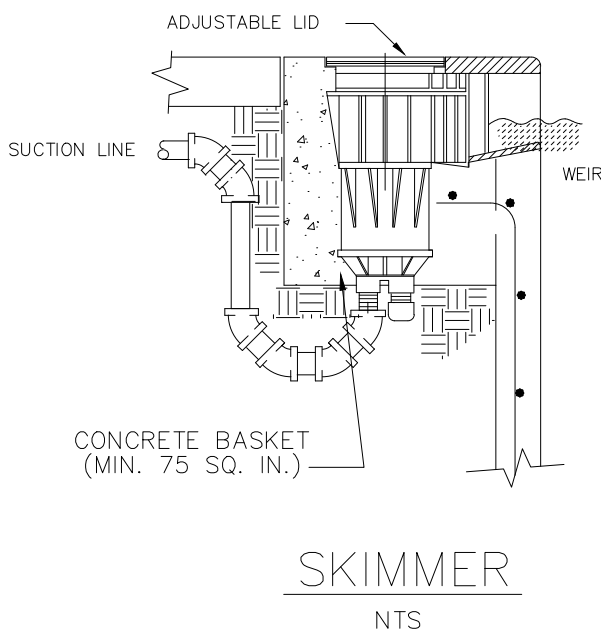
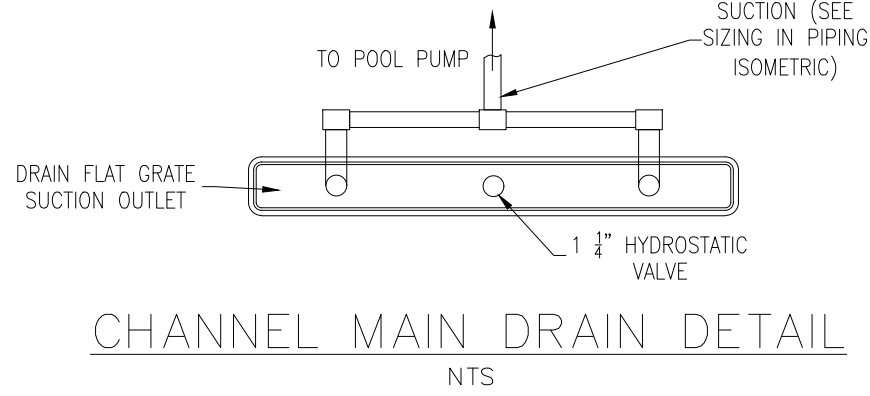


PLUMBING NOTES:

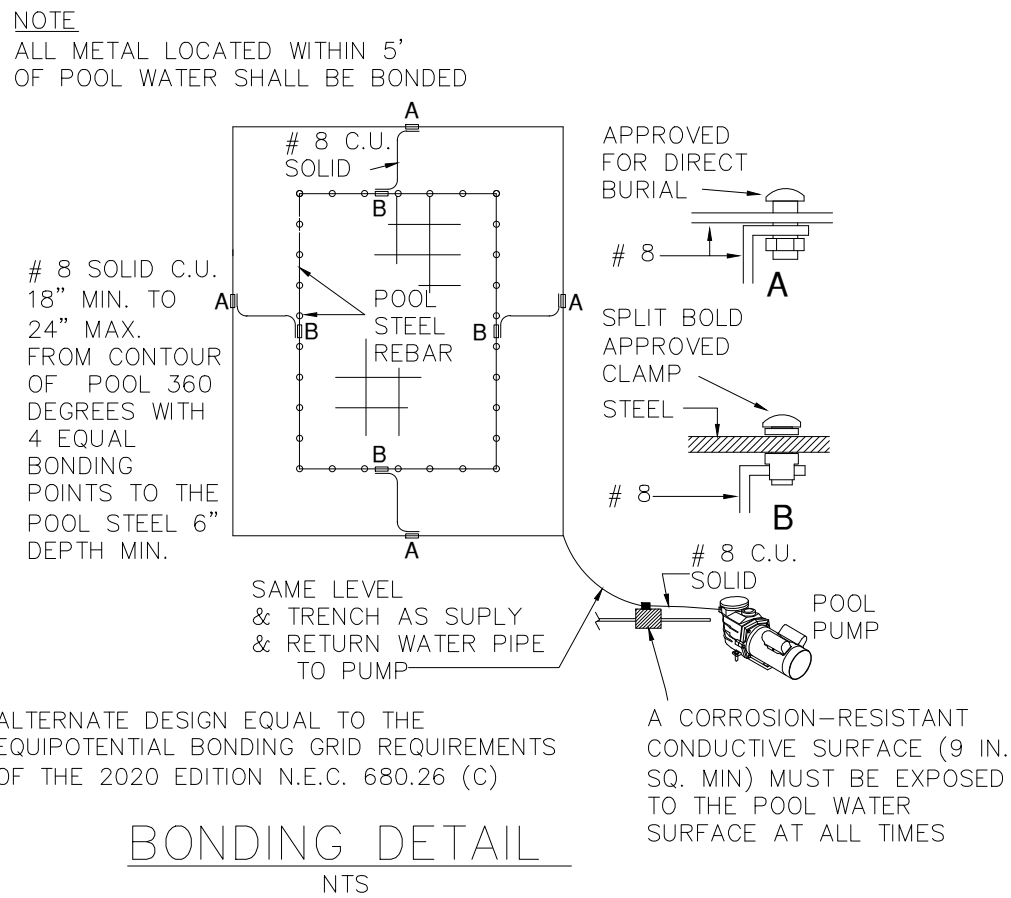
1. ALL POOL EQUIPMENT PIPING SHALL BE SCHEDULE 40 PVC-PW, NSF APPROVED, AND SHALL BE INSTALLED AND SUPPORTED IN ACCORDANCE WITH THE CURRENT FLORIDA BUILDING CODE, PLUMBING.
2. ALL SUCTION PIPING SHALL BE 2" DIAMETER MINIMUM, AND ALL PRESSURE PIPING SHALL BE 1-1/2" DIAMETER MINIMUM, UNLESS OTHERWISE NOTED.
3. POOL WATER DISPOSAL SHALL BE CONTAINED ON SITE BY APPROVED METHOD IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND LOCAL JURISDICTION REQUIREMENTS.
4. ALL SUCTION OUTLET FITTINGS SHALL BE LISTED, LABELED, AND INSTALLED IN ACCORDANCE WITH ANSI/APSP/ICC 16 AND THE FLORIDA BUILDING CODE.
5. ANTI-VORTEX MAIN DRAIN COVERS SHALL BE SECURELY FASTENED WITH TAMPER-RESISTANT SCREWS.
6. WALL VACUUM FITTINGS SHALL BE SELF-CLOSING AND SELF-LATCHING, OR PROVIDED WITH AN APPROVED SPRING-LOADED SAFETY CAP, IN ACCORDANCE WITH ANSI/PHTA/ICC 7 AND THE FLORIDA BUILDING CODE.
7. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT FLORIDA BUILDING CODE, INCLUDING REQUIREMENTS FOR BUOYANCY, PIPE RESTRAINT, AND SUPPORT WHERE APPLICABLE.
8. THE WATER VELOCITY THROUGH ALL SUCTION PIPING SHALL NOT EXCEED 8 FEET PER SECOND.
9. THE WATER VELOCITY THROUGH ALL PRESSURE PIPING SHALL NOT EXCEED 10 FEET PER SECOND.
10. ALL EXPOSED PIPING SHALL BE SUITABLE FOR EXPOSURE TO ULTRAVIOLET RADIATION AND NORMAL OPERATING TEMPERATURES.
11. ENTRAPMENT PROTECTION FOR SUCTION OUTLETS SHALL BE PROVIDED IN ACCORDANCE WITH ANSI/PHTA/ICC 7 AND THE FLORIDA BUILDING CODE.
12. THE MAXIMUM SYSTEM FLOW RATE SHALL NOT EXCEED THE LISTED FLOW RATING OF ANY SUCTION OUTLET FITTING.
13. IN AREAS SUBJECT TO HIGH GROUND WATER, THE POOL SHALL BE PROVIDED WITH AN APPROVED HYDROSTATIC RELIEF DEVICE OR DESIGNED TO RESIST HYDROSTATIC UPLIFT, AS REQUIRED BY SITE CONDITIONS.



ALL POOL AND SPA SUCTION OUTLET (DRAIN) COVERS SHALL BE LISTED AND LABELED AND COMPLY WITH ANSI/APSP/ICC-16 2017 STANDARD. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS. MAXIMUM WATER VELOCITY THROUGH SUCTION OUTLETS SHALL COMPLY WITH THE FLORIDA BUILDING CODE
-RESIDENTIAL (FBC/R4501)
AND MANUFACTURER SPECIFICATIONS.

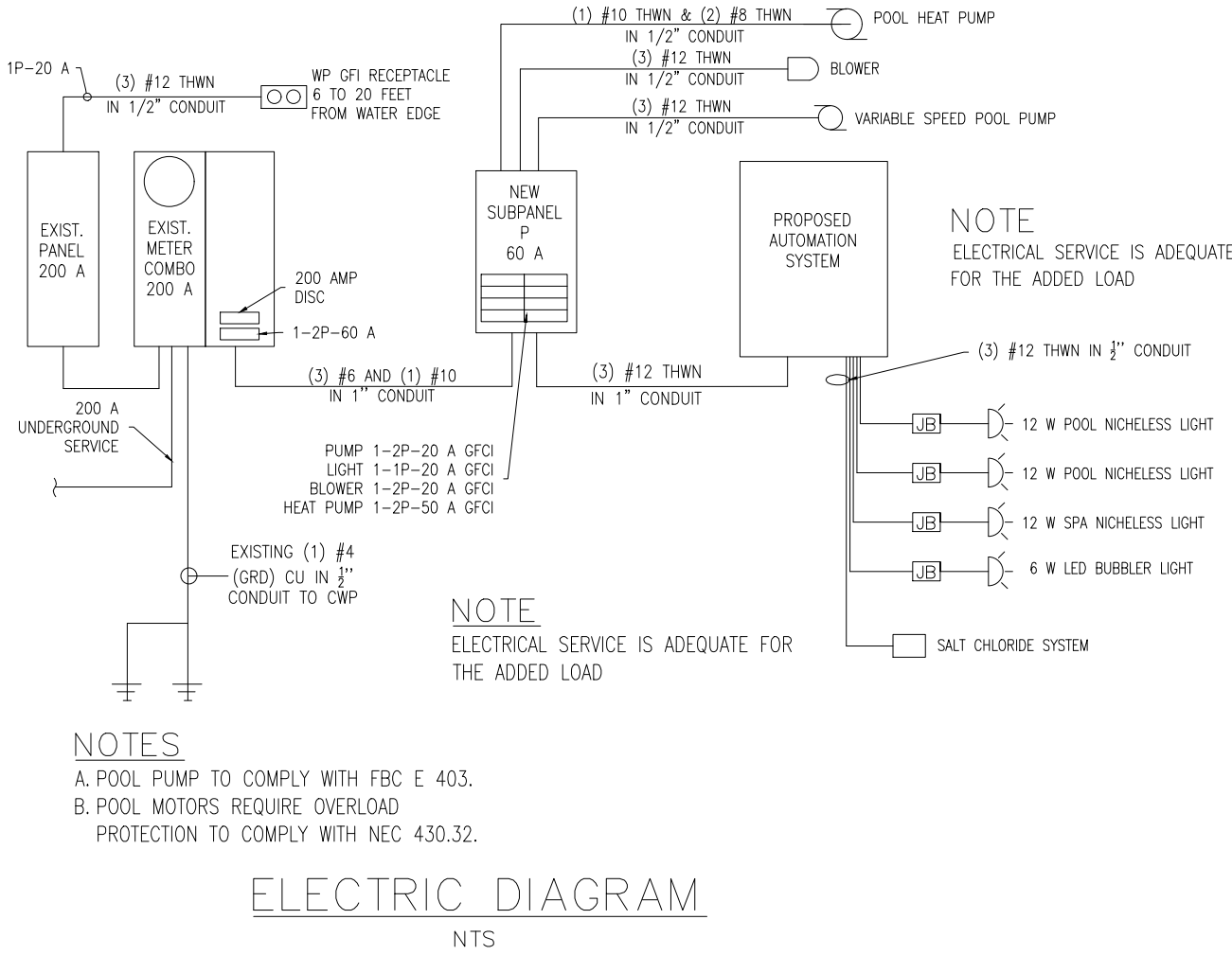


LOAD CALCULATIONS (SERVICE 200 AMP)		
		VA
GENERAL LIGHTING	3537 SQ. FT. @3W/SQ. FT.	10611
APPLIANCES CIRCUITS & LAUNDRY		4500
EXIST. RANGE		10000
EXIST. DISHWASHER		960
EXIST. REFRIDGERATOR		1200
EXIST. DRYER		5000
EXIST. WATER HEATER		4500
SUBTOTAL		36771
** NEW POOL PUMP		2800
** NEW POOL LIGHTING		100
** NEW POOL SALT CHLORIDE SYSTEM		300
** NEW POOL BLOWER		600
TOTAL		40571
FIRST 10KW @ 100%		10000
REMAINING @ 40%		12228
** NEW POOL HEAT PUMP		6600
A/C LOAD		10000
TOTAL		38828
38828 W / 240 V =		161.8 A



ELECTRICAL NOTES:

1. ALL POOL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT FLORIDA BUILDING CODE AND NFPA 70 (NEC 2020), ARTICLE 680.
2. ALL POOL ELECTRICAL EQUIPMENT, GROUNDING, AND BONDING SHALL COMPLY WITH NEC 2020, ARTICLE 680.
3. AT LEAST ONE GFCI-PROTECTED, 125-VOLT, 15- OR 20-AMPERE RECEPTACLE SHALL BE LOCATED NOT LESS THAN 6 FEET AND NOT MORE THAN 20 FEET FROM THE INSIDE WALL OF THE POOL. NEC 680.22(A)(1).
4. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE AN INSULATED COPPER CONDUCTOR SIZED IN ACCORDANCE WITH NEC 250.122 AND NEC ARTICLE 680.
5. EQUIPOTENTIAL BONDING SHALL BE PROVIDED IN ACCORDANCE WITH NEC 680.26 AND SHALL EXTEND TO THE PERIMETER SURFACE FOR A DISTANCE OF 3 FEET HORIZONTALLY BEYOND THE INSIDE WALLS OF THE POOL.
6. RECEPTACLE OUTLETS SHALL NOT BE LOCATED LESS THAN 6 FEET FROM THE INSIDE WALL OF THE POOL, EXCEPT AS PERMITTED BY NEC 680.22(A)(1).
7. POOL PUMP MOTOR CIRCUITS SHALL BE PROVIDED WITH GFCI PROTECTION. NEC 680.21(C).
8. LIGHTING OUTLETS, CEILING FANS, AND PADDLE FANS SHALL BE INSTALLED NOT LESS THAN 5 FEET HORIZONTALLY FROM THE INSIDE WALL OF THE POOL, OR SHALL COMPLY WITH THE VERTICAL CLEARANCES OF NEC 680.22(B).
9. OVERHEAD CONDUCTORS SHALL NOT BE INSTALLED OVER THE POOL OR WITHIN 10 FEET HORIZONTALLY OF THE INSIDE WALL OF THE POOL UNLESS CLEARANCES COMPLY WITH NEC 680.9.
10. UNDERWATER LIGHTING FIXTURES SHALL BE LISTED FOR POOL USE AND INSTALLED IN ACCORDANCE WITH NEC 680.23.
11. AT LEAST ONE CONDUCTIVE ELEMENT OF THE BONDING SYSTEM SHALL BE IN DIRECT CONTACT WITH THE POOL WATER IN ACCORDANCE WITH NEC 680.26(C).
12. ALL FIXED METAL PARTS LOCATED WITHIN 5 FEET HORIZONTALLY OF THE INSIDE WALL OF THE POOL SHALL BE BONDED TO THE COMMON BONDING GRID IN ACCORDANCE WITH NEC 680.26(B)(5).
13. THE EQUIPOTENTIAL BONDING GRID SHALL INCLUDE A MINIMUM OF FOUR (4) POINTS OF CONNECTION AROUND THE POOL, PROVIDING CONTINUOUS 360-DEGREE BONDING AS REQUIRED BY NEC 680.26.



TYPE: WALL MOUNTED VOLTAGE: 1ø, 120 / 240 MAIN: 2P-60 A M.L.O.												ENCLOSURE: NEMA 3 LOCATION: AS SHOWN FED FROM: METER COMBO	
NEW POOL PANEL													
DESCRIPTION	WIRE (#)	LOAD (VA)	POLES	AMPS	CIR. No.		CIR. No.	AMPS	POLES	LOAD (VA)	WIRE (#)	DESCRIPTION	
HEAT PUMP	8	6600	2	50	1		2	20	1	100	12	LIGHTS	
					3		4	20	2	2800	12	POOL PUMP	
BLOWER	12	600	2	20	5		6						
					7								
										TOTAL CONNECTED LOAD		10100 VA	
										10100 VA / 240 V =		42.1 A	

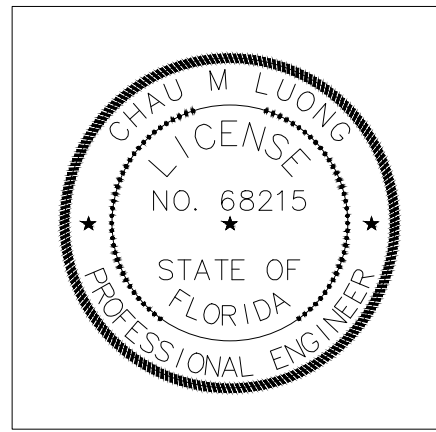
REVISIONS

NUMBER DATE

CLM Structural Engineering, Corp.

Chau M Luong PE
Structural Engineer
Florida License 68215
6720 NW 174 TER
Hialeah, FL 33015
Ph: (786)547-7921

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY CHAU M LUONG 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 ANY ELECTRONIC COPIES.



Proposed Swimming Pool

JUAN GABRIEL ALDANA
15450 NW 88 CT
MIAMI LAKES, FL 33018

Project

JOB No:

DESIGNED BY:

CLM

CHECKED BY:

CLM

SCALE:

AS SHOWN

DATE:

06/01/2026

3

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