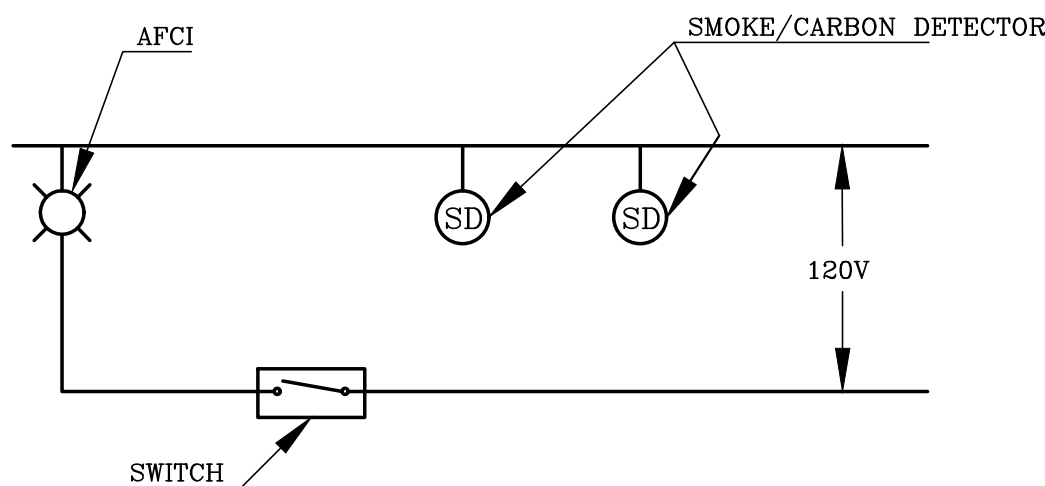


PART 1 – GENERAL:

- PART 2 - PRODUCTS:**
- 1 - DISCONNECT SWITCHES FOR POOL AREA SHALL BE QUICK-MADE, QUICK-BRAKE ACTION, LOCKABLE TYPE PER "NEC 680-12".
 - 2 - CONDUCTORS SHALL BE THW/THWN SOFT-DRAWN 98% CONDUCTIVITY COPPER INSTALLED IN CONDUIT, COLOR CODED PER "NEC" AND TRADE STANDARDS. MINIMUM SIZE SHALL BE #12 FOR POWER WIRING AND #14 FOR CONTROL CIRCUITS. PROVIDE #10 WIRES FOR 120V POWER CIRCUIT HOMERUNS LONGER THAN 100 FEET. ASIDE FROM THE PANELBOARD GUTTER, CONDUCTORS ON THE LOAD SIDE OF A GFCI MUST NOT BE USED IN ANY RACEWAY OR OTHER ENCLOSURE CONTAINING CONDUCTORS THAT ARE NOT GFCI-PROTECTED.
 - 3 - CONDUIT SHALL BE "RGS" OR "IMC" HOT-DIPPED GALVANIZED FOR ALL EXTERIOR LOCATIONS, WHERE EXPOSED TO PHYSICAL DAMAGE. ALL FITTING SHALL BE STEEL. "PVC" SCHEDULE 40 SHALL BE USED WHERE CONDUIT IS RUN IN CONCRETE SLABS; "PVC" MAY BE RUN UNDERGROUND WHERE BURIED 18" BELOW FINISHED GRADE, 24" UNDER VEHICULAR TRAFFIC AREAS. GREENFIELD TYPE FLEXIBLE METALLIC CONDUIT SHALL BE USED FOR MOTORS AND VIBRATING EQUIPMENT CONNECTIONS, NOT TO EXCEED 18". PROVIDE "PVC" JACKETED TYPE 2 FOR EXTERIOR AND/OR MOISTURE EXPOSED LOCATIONS. FOR UNDERWATER LIGHTING FIXTURES AS PER "NEC 680-20".
 - 4 - THIS CONTRACTOR SHALL COORDINATE WITH FP&L THE CONNECTION FOR THIS SERVICE AND REVISE INTERRUPTING CAPACITY AVAILABLE PRIOR INSTALLATION OF ALL DISCONNECTING DEVICES, AND INCREASE THE INTERRUPTING CAPACITY IN PANELS AND DISCONNECTING DEVICES IF REQUIRED.

PART 3 - EXECUTION:

- 1 - CONDUIT RUNS, RACEWAYS AND PIPING SHALL BE CONCEALED IN WALLS, CEILINGS, SLABS AND PARTITIONS: NO RACEWAYS SHALL BE EXPOSED WITHIN INTERIOR SPACES EXCEPT FOR CEILING AND FLOOR RACEWAYS.
- 2 - GROUNDING AND BONDING SHALL COMPLY WITH "NEC 250, SPECIALLY 250-22, 250-24, 250-50/52/53, TABLE 250-66, 250-104, 680-24 & 25". ALL METALLIC RACEWAYS SHALL BE GROUNDED AND BONDED PER "NEC 250". NON-METALLIC RACEWAYS SHALL BE PROVIDED WITH A GROUNDING CONDUCTOR SIZED PER "NEC 250-94/96".
- 3 - MOTORS, TRANSFORMERS AND MECHANICAL EQUIPMENT SHALL BE PROVIDED WITH GREENFIELD FLEXIBLE CONNECTIONS, TIGHTWRIGHT WHERE EXPOSED TO MOISTURE AND WEATHER CONDITIONS.
- 4 - KAIC NOTE: THIS CONTRACTOR SHALL COORDINATE WITH FPL THE KAIC AVAILABLE AND THE "NEC 480" OR "NEC 490" REQUIREMENTS. ALL PANELS AND DISCONNECTS SHALL BE SERIES RATED WITH MAIN SERVICE.

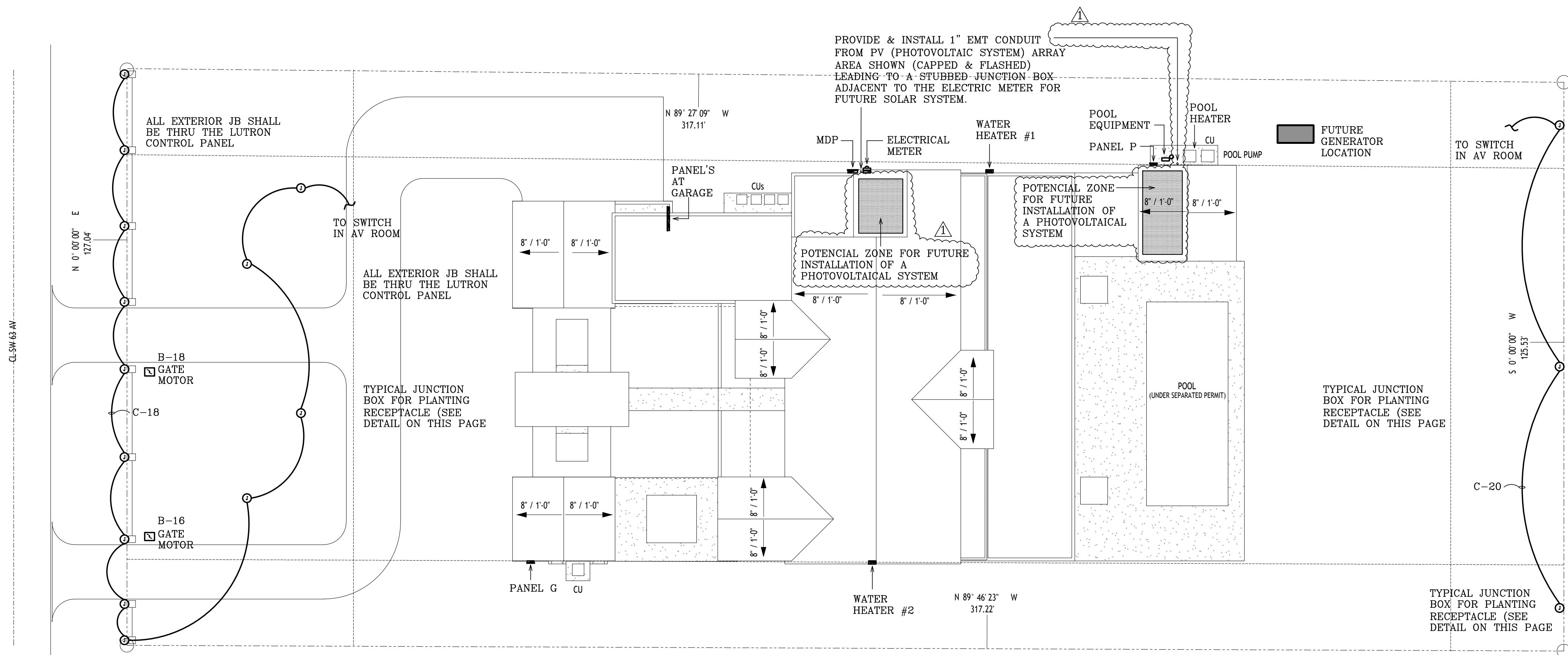


NOTE :

SMOKE CARBON MONOXIDE DETECTOR CONNECTION DETAIL
SCALE : N.T.S.

SMOKE DETECTORS NOTE:

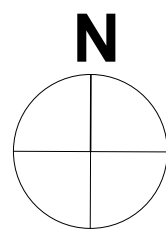
THIS CONTRACTOR SHALL INSTALL ALL SMOKE/CARBON DETECTORS AS PER NFPA 29.5.1.3.1 (ALL POINTS ON THE CEILING SHALL HAVE A SD WITHIN A DISTANCE OF 30ft TRAVEL DISTANCE (FAMILY AND LIVING ROOM AREAS INCLUDED))



OUTLETS AND ANY OTHER EQUIPMENT
INSTALLED IN POOL AREA SHALL BE
INSTALL AT A MINIMUM DISTANCE OF
10'-0" FROM POOL'S EDGE OR AS PER
2020 NEC CODE SECTION 680.
RECEPTACLES OTHER THAN REQUIRED
OUTLETS FOR POOL WILL BE IN
COMPLIANCE WITH NEC 680.26(A)(3).

ALL EXTERIOR LIGHTS SHALL BE EQUIPPED WITH LIGHT SHIELD IN A WAY THAT THE ILLUMINATION WILL BE CONTAINED INSIDE THE PROPERTY AND NOT SPREAD TO THE NEIGHBORS.

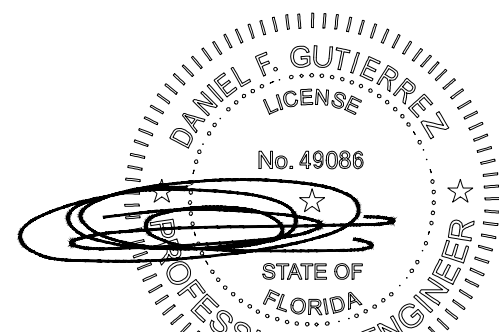
ALL EXTERIOR LIGHTS SHALL BE EQUIPPED WITH LIGHT SHIELD IN A WAY THAT THE ILLUMINATION WILL BE CONTAINED INSIDE THE PROPERTY AND NOT SPREAD TO THE NEIGHBORS.



ELECTRICAL SITE PLAN
SCALE: 1/16"=1'-0"

10635 SW 63 AV
MIAMI, FL

SEAL

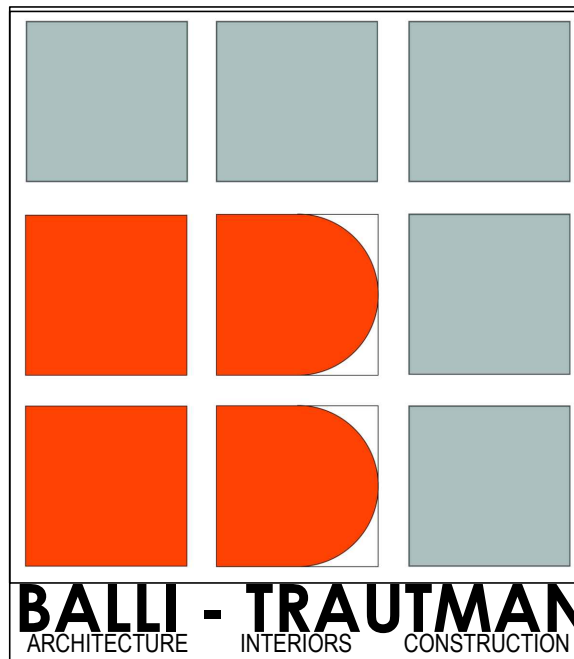


DANIEL F. GUTIERREZ, P.E.
ELECTRICAL ENGINEER LIC. #049086

REVISIONS

[illegible]

SEAL



JOB NUMBER:

CHECKED BY:

GE

ISSUE DATE:

Issue Date

SCALE

AS NOTED

SHEET TITLE

ELECTRICAL SITE PLAN

SHEET NUMBER

E-101

"This item has been digitally signed and sealed by Daniel F. Gutierrez 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"

DANIEL F. GUTIERREZ, P.E.
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DESIGN — INSPECTIONS