

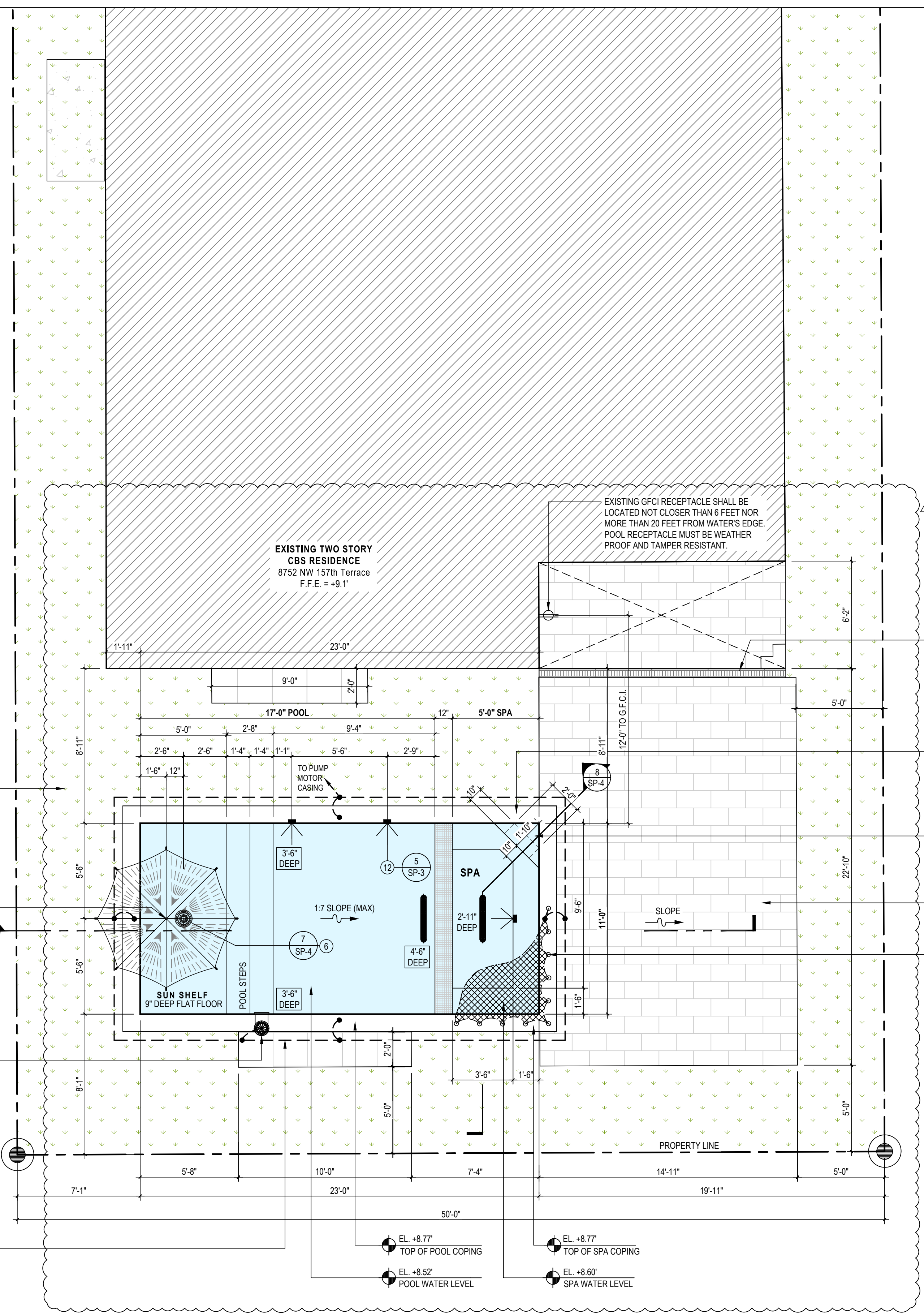
NEW ARTIFICIAL GRASS (1,230 SQFT) ALL SURFACES SHALL HAVE A SMOOTH SLIP RESISTANT FINISH & SHALL BE SLOPED AWAY FROM THE POOL. INSTALLATION PER MANUFACTURERS RECOMMENDATIONS (SEE DETAIL #1 ON SP-1). ARTIFICIAL TURF SHALL BE LEAD FREE. ALL ARTIFICIAL TURF SHALL BE INSTALLED ON A PERMEABLE BACKING OR SUBBASE SYSTEM THAT IS PERVIOUS AND CONTRIBUTES TO STORMWATER DRAINAGE.

TUUCI 'ZERO HORIZON' UMBRELLA & S.S FLUSH MOUNT (OR EQUAL) IN SHALLOW LOUNGING AREA. ANCHOR SHALL BE DESIGNED AND INSTALLED SUCH THAT THEY DO NOT PROTRUDE ABOVE THE POOL FLOOR AND ALL INLETS SHALL BE DESIGNED AND INSTALLED SO AS NOT TO CONSTITUTE SHARP EDGES OR PROTRUSIONS HAZARDOUS TO POOL BATHERS.

INSTALL PERMA CAST POOLBOND BRONZE PB2008 WATER BONDING GROUNDING FITTING 1" NPT IN THE POOL SKIMMER. COMPLY WITH NATION ELECTRICAL CODE 680.26(C). UL LISTED OR SIMILAR

EQUIPOTENTIAL BONDING GRID
REFER TO NEC ARTICLE 680.26 (B)(1) THROUGH (B)(7)
EQUIPOTENTIAL BONDING GRID TO RUN CONTINUOUSLY AROUND THE CONTOUR OF POOL. EXTENDING 18" TO 24" FROM THE INSIDE WALLS OF THE POOL. THE 4" TO 6" BELOW GRADE GRID PATTERN SHALL BE SECURED WITHIN OR UNDER THE POOL DECK MEDIA. THE GRID SHALL BE CONSTRUCTED OF MINIMUM #8 AWG BARE OR SOLID COPPER CONDUCTORS.
EQUIPOTENTIAL BONDING CONDUCTOR SHALL COMPLY W/ FLORIDA BUILDING CODE 7th EDITION 2020 ALTERNATIVE & EQUIVALENT METHOD TO NEC 2017 ART 680.26

LEGEND
--- 8 AWG SOLID COPPER BONDING CONDUCTOR
• EXOTHERMIC WELDING, PRESSURE CONNECTOR OR CLAMP



SWIMMING POOL & SPA LAYOUT PLAN
SCALE: 1/4" = 1'-0"

- NOTES:
- ALL DIMENSIONS & DEPTHS INDICATED ON THIS DRAWING ARE FINISHED WALL & FLOOR DIMENSIONS.
 - PROVIDE Lo-Chlor® Aqua Blanket™ LIQUID POOL COVER AS PER SECTION R403.9.3 FLORIDA BUILDING CODE 7th EDITION 2020.
 - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE DRAWING AT THE JOB SITE REPORTING ANY INCONSISTENCY TO THE ARCHITECT/ENGINEER PRIOR TO ANY CHANGE REQUIRED. OTHERWISE THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY OF SUCH CHANGES AND ANY REQUIRED REVISION TO THE PLAN.
 - POOL AND SPA STEP RISERS NOT TO EXCEED 12".
 - ALL POOL AND SPA TREADS SHALL HAVE SLIP RESISTING SURFACES.

POOL DATA CHART	
POOL SHAPE	RECTANGULAR
MAXIMUM LENGTH	17 FEET
MAXIMUM WIDTH	11 FEET
POOL DEPTH AT DEEP END	4.50 FEET
POOL DEPTH SUN SHELF	9 INCHES
POOL DEPTH AT SHALLOW END	3.50 FEET
POOL AREA (WITHOUT SPA)	187 SQFT
POOL PERIMETER	56 LNFT
POOL VOLUME	3,900 GALLON
POOL FILTER RATE	65 GPM
POOL TURNOVER RATE	1 HOUR
POOL INTERIOR FINISH	DIAMOND BRITE
POOL WATERLINE TILE	YES
POOL DECK	PAVER ON SAND
POOL DECK AREA	410 SQFT
SPA DATA CHART	
SPA SHAPE	RECTANGULAR
MAXIMUM LENGTH	11 FEET
MAXIMUM WIDTH	5 FEET
SPA DEPTH	2.92 FEET
SPA AREA	55 SQFT
SPA PERIMETER	32 LNFT
SPA VOLUME	940 GALLON
SPA FILTER RATE	65 GPM
SPA TURNOVER RATE	14.46 MINUTES
SPA INTERIOR FINISH	DIAMOND BRITE
SPA WATERLINE TILE	YES

INSTALL NEW DEC-O-DRAIN SYSTEM ALL ALONG EXISTING COVERED TERRACE AND NEW POOL DECK

TOP SURFACE OF SPA WALL SHALL BE SLIP RESISTANT- ANSINSP1-3, 4.5

FIRST STEP (TREAD) SHALL BE A MINIMUM UNOBSTRUCTED HORIZONTAL DEPTH 10" AND A MINIMUM UNOBSTRUCTED SURFACE AREA OF 240 SQIN

NEW POOL DECK- PAVER ON SAND: ALL DECK SURFACES SHALL HAVE A SMOOTH SLIP RESISTANT FINISH. DECKS SHALL BE SLOPED TO EFFECTIVELY DRAIN TOWARD THE PERIMETER AREAS (AWAY FROM THE POOL AND SPA) OR DECK DRAINS 1/8" PER LINEAR FOOT - ANSI/APSP/ICC-5 SECTION 7

NEW APPROVED REMOVABLE SAFETY POOL NET COVER BY 'KID SAFE POOL NETS' OR APPROVED EQUAL TO CONFORM TO ASTM F1346-91, THE NATIONAL STANDARD PERFORMANCE SPECIFICATIONS FOR SAFETY COVERS & TO COMPLY WITH FLORIDA BUILDING CODE 7th EDITION 2020 CHAPTER 45 PRIVATE SWIMMING POOLS SECTION

Alejandro F Pino
Digitally signed by Alejandro F Pino
DN: C=US, O=Pino Curtis PE Corp,
dnQualifier=A01A110C00001943A2D2D40
001FD1DC, CN=Alejandro F Pino
Reason: I am the author of this document
Location: your signing location here
Date: 2025-06-01 15:49:28
TurboPDF Version: 9.7.2
This item has been digitally signed and sealed by Alejandro F. Pino 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 copy.

CONSULTANT

PROFESSIONAL ENGINEER
Alejandro F. Pino (PE Lic # 59459)
Pino Curtis PE Corp (CA # 27293)
1407 SW 8th St, Suite 100
Miami, FL 33135
pino.curtis@aol.com

REVISIONS

1	05-31-2026:	PER BUILDING DEPARTMENT COMMENTS
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PROJECT

NEW SWIMMING POOL & SPA FOR:
JAMES & ALEXIS GARELLI RESIDENCE
8752 NW 157th Terrace, Miami Lakes, FL 33018

SHEET TITLE

**SWIMMING POOL & SPA
PIPING PLAN**

CHECKED: A.P.
DATE: 05-22-2026
SCALE: AS NOTED
JOB NO.:
SHEET: **SP-2**

ALEJANDRO F. PINO
P.E. LICENSE #59459

FLORIDA
PROFESSIONAL ENGINEER