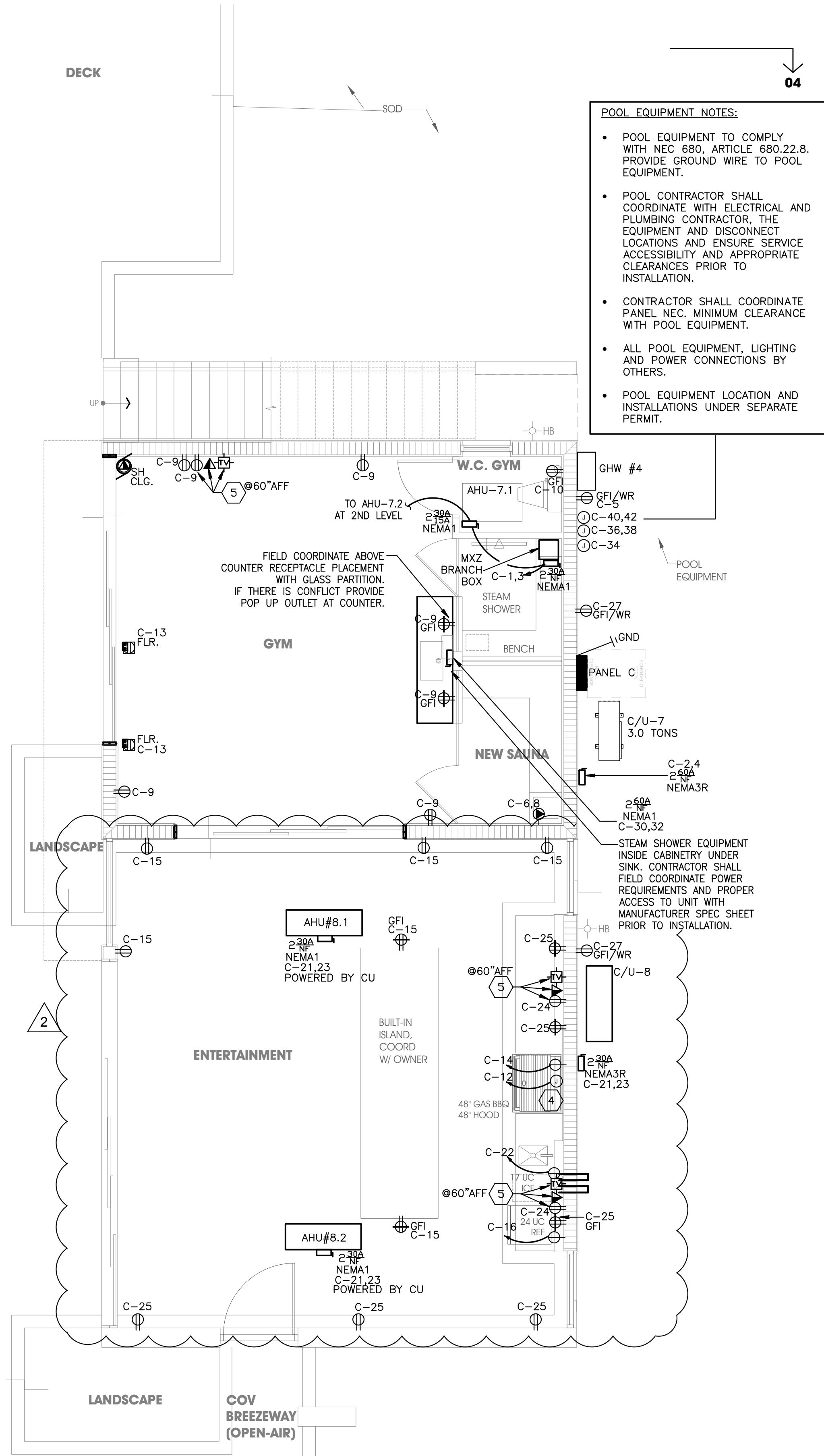
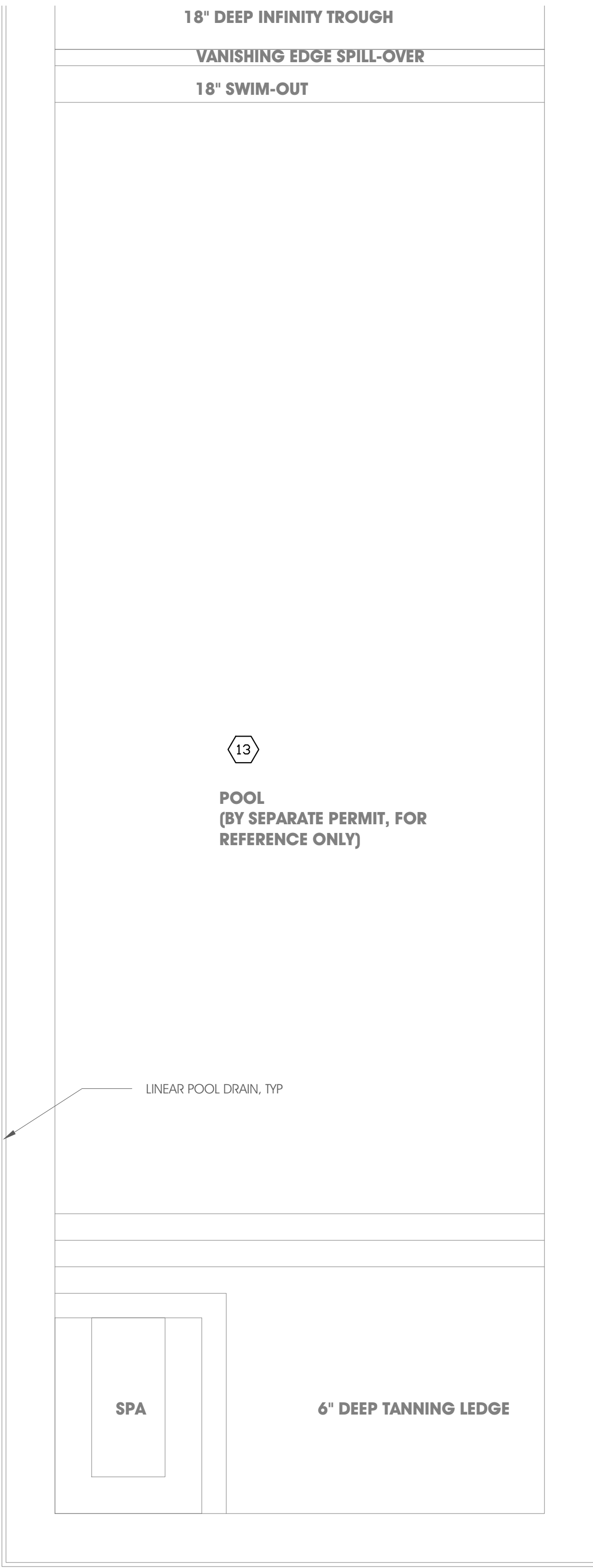
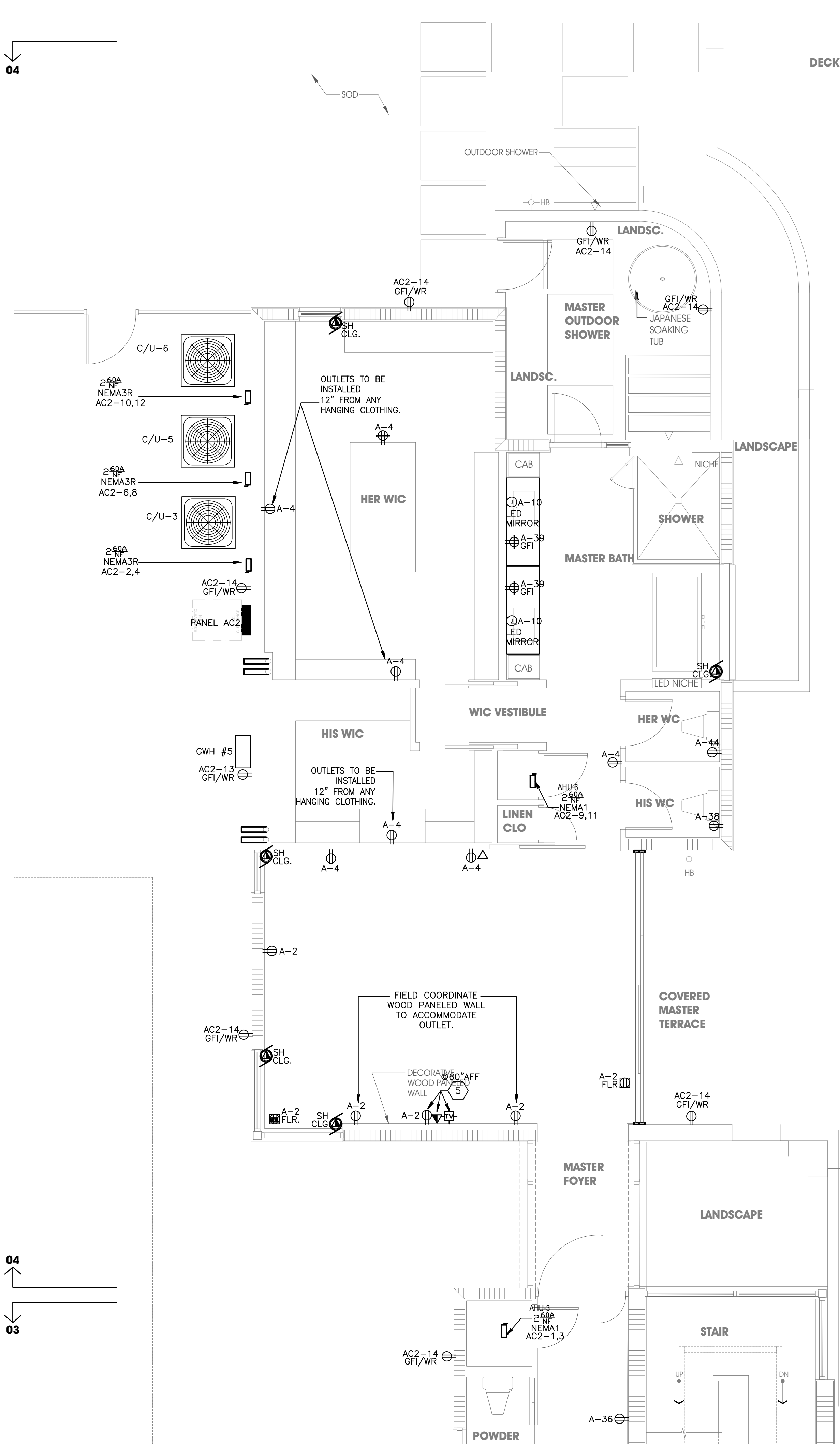
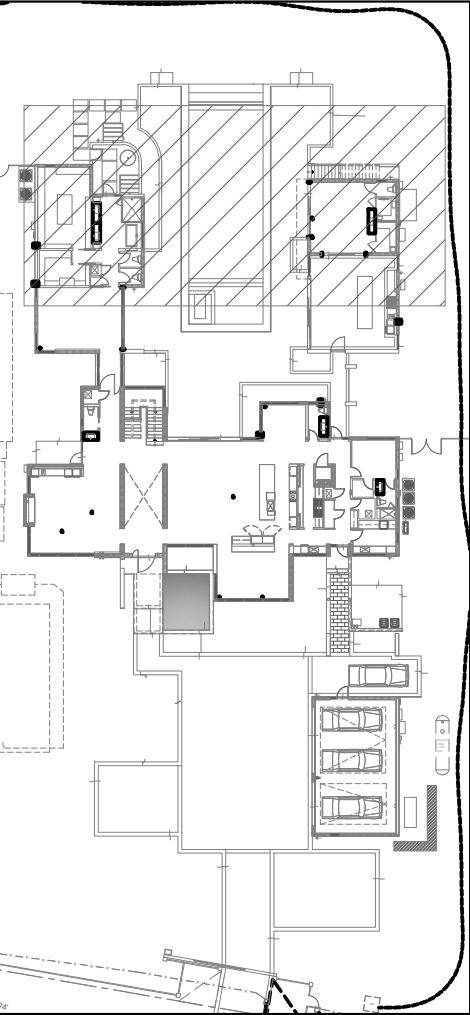




- POOL EQUIPMENT NOTES:**
- POOL EQUIPMENT TO COMPLY WITH NEC 680, ARTICLE 680.22.8. PROVIDE GROUND WIRE TO POOL EQUIPMENT.
 - POOL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL AND PLUMBING CONTRACTOR, THE EQUIPMENT AND DISCONNECT LOCATIONS AND ENSURE SERVICE ACCESSIBILITY AND APPROPRIATE CLEARANCES PRIOR TO INSTALLATION.
 - CONTRACTOR SHALL COORDINATE PANEL NEC MINIMUM CLEARANCE WITH POOL EQUIPMENT.
 - ALL POOL EQUIPMENT, LIGHTING AND POWER CONNECTIONS BY OTHERS.
 - POOL EQUIPMENT LOCATION AND INSTALLATIONS UNDER SEPARATE PERMIT.



KEY PLAN

SCALE: NTS



500 South Dixie Highway, Suite 307
Coral Gables, Florida 33146
Tel: (305) 740-0120
Email: locus@locusarchitecture.net
License: AR 13937

CONSULTANT(S)

NO.	REVISION/SUBMISSION	DATE
	OWNER REVIEW	03-11-24
	PERMIT SUBMITTAL	06-07-24
2	OWNER CHANGES	03-30-26

PROJECT

New 2-Story Residence:
6100 W Suburban Dr, Pinecrest, FL 33156

DRAWING

Power PartialFirst Floor Plan: 04

SEAL

SCALE

As Shown

DRAWN

REVIEWED

Nelson de Leon
AR 13937

PROJ. NO.

351

SHEET NO.

E-02.3

POWER PARTIAL FIRST FLOOR PLAN: 04

SCALE: 1/4" = 1'-0"

This item has been digitally signed and sealed by Amarilis Rodriguez, P.E. on
Printed copies of this document are not considered signed and
sealed and the signature must be verified on any electronic copies.

JOB# 24-0407



2020 Ponce de Leon Blvd., Suite 1002
Coral Gables, Florida 33134
Phone > 305 444 9809
Fax > 305 444 9827

Amarilis Rodriguez, P.E.
License Number 60236
C.A. 26359

Engineering Design:

> Mechanical > Electrical

> Plumbing > Fire Protection

www.arpe-eng.com

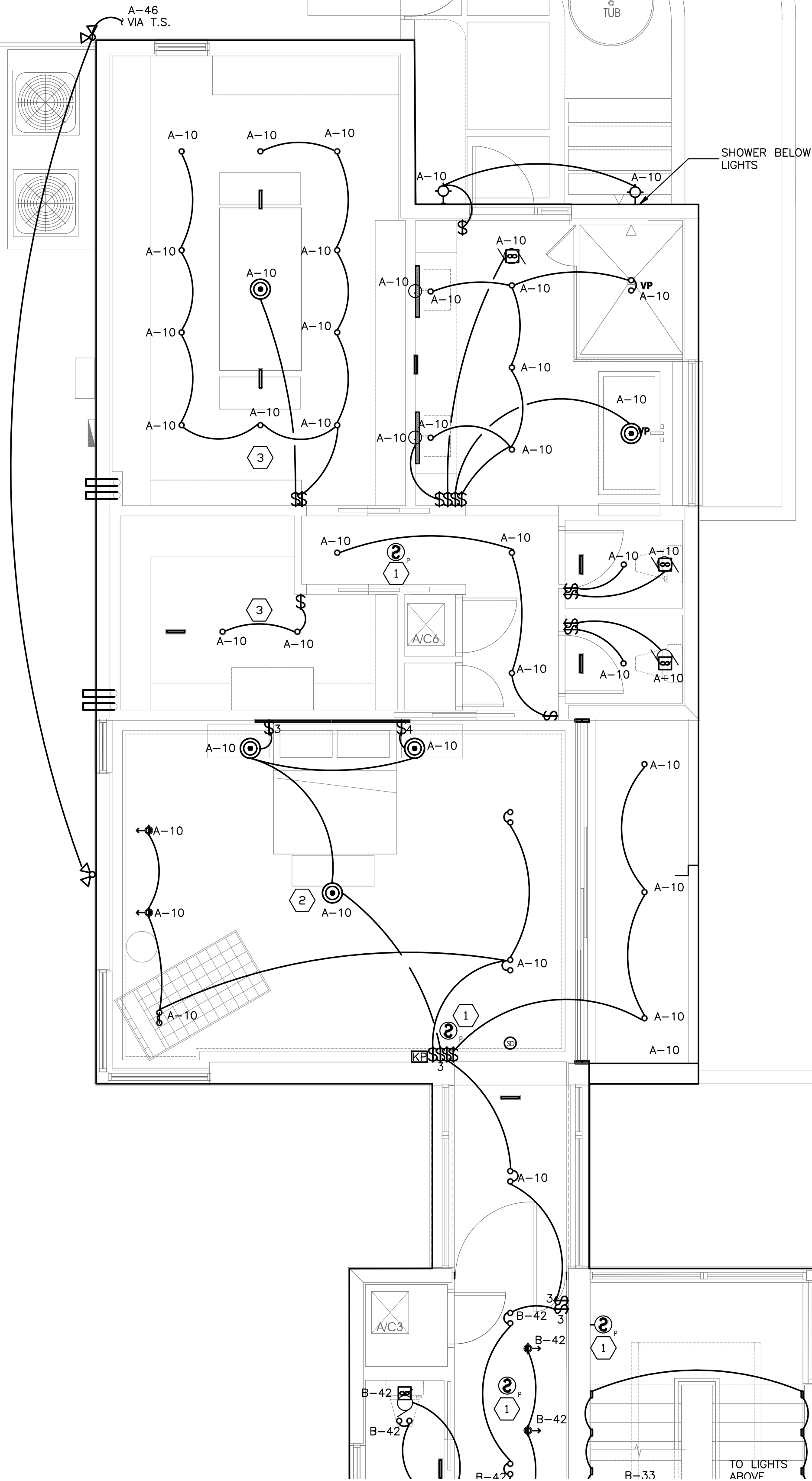
Signature

Date

04

04

03



LIGHTING PARTIAL FIRST RCP: 04

SCALE: 1/4" = 1'-0"

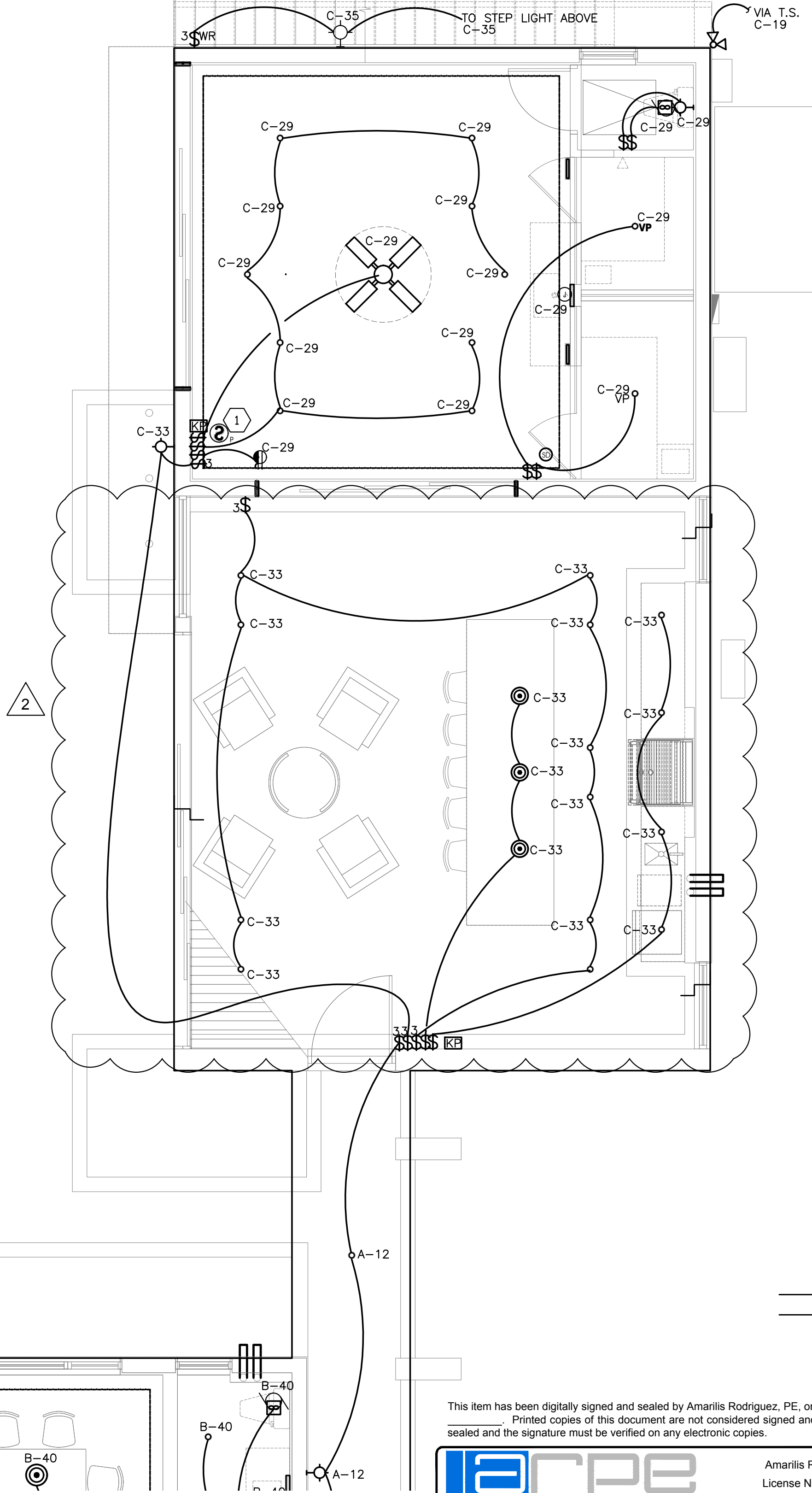
NOTE:
ALL LIGHTING FIXTURES AND SWITCH LOCATIONS SHALL BE
COORDINATED WITH OWNER PRIOR TO FINAL.

04

04

03

RESIDENTIAL STAIR ILLUMINATION MUST BE MINIMUM 1FC. INTERIOR
AND EXTERIOR OF HOUSE.
FBC R 303.7 AND FBC R 303.8.



This item has been digitally signed and sealed by Amarilis Rodriguez, P.E., on
Printed copies of this document are not considered signed and
sealed and the signature must be verified on any electronic copies. JOB# 24-0407

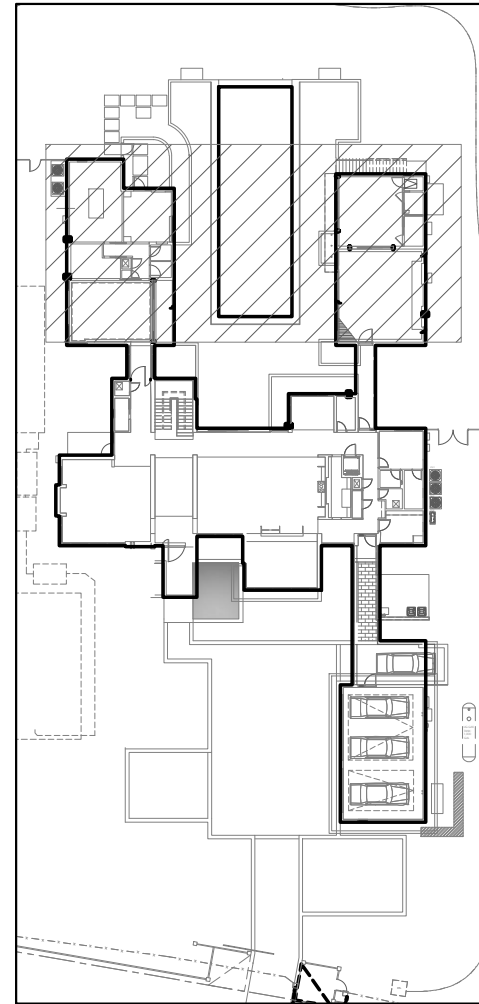
2020 Ponce de Leon Blvd., Suite 1002
Coral Gables, Florida 33134
Phone > 305 444 9809
Fax > 305 444 9827
www.arpe-eng.com

Engineering Design:
> Mechanical > Electrical
> Plumbing > Fire Protection

Amarilis Rodriguez, P.E.
License Number 60236
C.A. 26359

Signature _____
Date _____

NOTES



KEY PLAN

SCALE: NTS



500 South Dixie Highway, Suite 307
Coral Gables, Florida 33146
Tel: (305) 740-0120
Email: locus@locusarchitecture.net
License: AR 13937

CONSULTANT(S)

NO.	REVISION/SUBMISSION	DATE
	OWNER REVIEW	03-11-24
	PERMIT SUBMITTAL	06-07-24
2	OWNER CHANGES	03-30-26

PROJECT

New 2-Story Residence:
6100 W Suburban Dr. Pinecrest, FL
33156

DRAWING

**Lighting Partial First
Ceiling Plan: 04**

SEAL

SCALE
As Shown

DRAWN

REVIEWED

Nelson de Leon
AR 13937

PROJ. NO.
351

SHEET NO.

E-03.3

PANEL: MDP										CIRCUITS 32										MAIN BREAKER: N/A AMPS MAIN LUGS: 600 AMPS K.A.I.C.: 42 AMPS MOUNTED FLUSH SURFACE X										1 PHASE 3 WIRE X 240/120V FEED THRU									
TYP E	C K T N O	IDENTIFICATION	WIRE	GND.	COND.	CIRCUIT BREAKER	LOAD/PHASE (KVA)						BREAKER	WIRE	GND.	COND.	IDENTIFICATION	TYP E	C K T N O	WIRE	GND.	COND.	IDENTIFICATION	TYP E	C K T N O														
							TRIP		POLES		A															B		C		POLES		TRIP							
	1	PANEL A	3/0	6	2"	200	2	23.4				1	20										2	TS															
	5	PANEL B	3/0	6	2"	200	2	15.3	0.5			1	20									10	TS																
	9	PANEL C	3/0	6	2"	200	2	28.4	0.5			1	20	12	12	3/4"	LANDSCAPE LITS					6	TS																
	11		3/0	6	2"	200	2					1	20	12	12	3/4"	LANDSCAPE LITS					10	TS																
	13		3/0	6	2"	200	2	27.3	0.5			1	20	12	12	3/4"	CASCADE WATER FEATURE					12	TS																
	15	PANEL AC1	3/0	6	2"	200	2	18.5	0.2			1	20	12	12	1/2"	TUBES					14																	
	17	PANEL AC2	3/0	6	2"	200	2	17.9									SPACE					16																	
	19																SPACE					18																	
	21	PANEL G	1	6	1-1/2"	125	2	7.8									SPACE					20																	
	23																SPACE					22																	
	25	SPACE						1.0				1	20	12	12	1/2"	GENERATOR HEATER					24	GF																
	27	SPACE										1	20	12	12	1/2"	GENERATOR BATTERY					26	GF																
	29	SPACE										2	30	10	10	1/2"	TVSS					30																	
	31	SPACE																				32																	
TOTAL CONNECTED LOAD PER PHASE							111.3	2.2			111.8	2.0																											
TOTAL CONNECTED LOAD PANEL A										227.3																													
TOTAL CONNECTED										567.1																													
TOTAL DEMAND										566.7																													
AF - GFCI FAULT PROTECTED CIRCUIT BREAKER GF - GFCI GROUND FAULT PROTECTED C.B. NC - NO CONDUCTOR LOAD TS - V-ME TIME SWITCH																																							

(1) CONTRACTOR SHALL FIELD VERIFY EQUIPMENT
NAME PLATE PRIOR TO C.B. ORDERING AND INSTALLATION. MATCH
MANUFACTURE RECOMMENDED COPD.

PANEL: A										CIRCUITS 42										MAIN BREAKER: NA AMPS MAIN LUGS: 200 AMPS K.A.I.C.: 22 AMPS MOUNTED FLUSH X SURFACE										1 PHASE 3 WIRE X 240/20V FEED THRU									
TYP E	C K T N O	IDENTIFICATION	WIRE	GND.	COND.	CIRCUIT BREAKER	LOAD/PHASE (KVA)						BREAKER	WIRE	GND.	COND.	IDENTIFICATION	TYP E	C K T N O																				
							TRIP	POLES	A	B	C	POLES								TRIP																			
AF01	1	COFFEE MAKER	12	12	12"	20	1	1.6	0.5			1	20	12	12"	12"	2	AF																					
AF	3	GAS FIRE PLACE	12	12	12"	20	1			0.2	0.5	1	20	12	12"	12"	4	AF																					
AF	5	SPACE	12	12	12"	20	1			1.5		1	20	12	12"	12"	8	AF																					
GF	7	TOILET TUB/PURIFIER ROOM	12	12	12"	20	1			1.3	0.5	1	20	12	12"	12"	8	AF																					
AF	9	SPACE	12	12	12"	20	1			0.5		1	20	12	12"	12"	10	AF																					
AF	11	SMALL APPLIANCES	12	12	12"	20	1			1.5	0.5	1	20	12	12"	12"	12	TS																					
AF	13	PANTRY ROOM RCPTS	12	12	12"	20	1	0.5	1.0			1	20	12	12"	12"	14	AF																					
AF	15	MICROWAVE OVEN	12	12	12"	20	1			1.5	1.5	1	20	12	12"	12"	16	AF																					
AF	17	SPACE	12	12	12"	20	1			1.5	0.5	1	20	12	12"	12"	18	AF																					
AF	19	GAS RANGE	12	12	12"	20	1			0.2	1.5	1	20	12	12"	12"	20	AF																					
AF	21	HOOD AT KITCHEN	12	12	12"	20	1	0.4	0.5			1	20	12	12"	12"	22	AF																					
AF	23	DISHWASHER	12	12	12"	20	1			1.2	0.5	1	20	12	12"	12"	24	AF																					
AF	25	REFRIGERATOR	12	12	12"	20	1	1.4	0.5			1	20	12	12"	12"	26	AF																					
AF	27	FREEZER	12	12	12"	20	1			1.4	0.5	1	20	12	12"	12"	28	AF																					
AF	29	DISHWASHER AT PANTRY	12	12	12"	20	1	1.2	0.5			1	20	12	12"	12"	30	AF																					
AF	31	DISPOSAL	12	12	12"	20	1			0.8	0.5	1	20	12	12"	12"	32	AF																					
AF	33	UC REF	12	12	12"	20	1	0.6	0.5			1	20	12	12"	12"	34	AF																					
AF	35	WINE REF	12	12	12"	20	1			0.6	0.5	1	20	12	12"	12"	36	AF																					
AF	37	UC ICE MAKER	12	12	12"	20	1	0.6	1.3			1	20	12	12"	12"	38	GF																					
AF	39	MASTER POWDER 2 BATH RCPTS	12	12	12"	20	1			0.5		1	20	12	12"	12"	40	AF																					
AF	41	SPACE	12	12	12"	20	1			1.2	0.5	1	20	12	12"	12"	42	AF																					
AF	43	ELECTRIC COOKTOP	4	10	1"	60	2	8.4	1.3			1	20	12	12"	12"	44	AF																					
AF	45	HOOD	12	12	12"	20	1	0.2	0.5			1	20	12	12"	12"	46	TS																					
AF	47	SHADES PANEL LV	12	12	12"	20	1										48	AF																					
AF	49	HOOD AT PANTRY	12	12	12"	20	1	0.4									50	AF																					
AF	51	SPACE															52	AF																					
AF	53	SPACE															54	AF																					
TOTAL CONNECTED LOAD PER PHASE							23.4				22.2																												
TOTAL CONNECTED LOAD PANEL A							46.6																																
TOTAL CONNECTED							194.2																																
AF - AFC FAULT PROTECTED CIRCUIT BREAKER GF - GROUND FAULT PROTECTED C.B. NC - NO CURRENTLY LOAD MC - MC CABLE R - RIMMER																																							

PANEL: B						CIRCUITS 42						MAIN BREAKER: NA AMPS MAIN LUGS: 200 AMPS K.A.I.C.: 22 AMPS MOUNTED FLUSH X SURFACE						1 PHASE 3 WIRE X 240/20V FEED THRU					
NEMA 1																							
TYP E	C K T N O	IDENTIFICATION	WIRE	GND.	COND.	CIRCUIT BREAKER	LOAD/PHASE (KVA)						BREAKER	WIRE	GND.	COND.	IDENTIFICATION	C K T N O	TYP E				
							TRIP	POLES	A	B	C	POLES								TRIP			
AF	1	SHADES PANEL LV	12	12	12"	20	1	0.5	1.3				1	20	12	12	12"	12"	1/2"	TOILET TUB HALLWAYS	2	GF	
AF	3	SHADES PANEL LV	12	12	12"	20	1			1.5			1	20	12	12	12"	12"	1/2"	TOILET TUB HALLWAYS	4	GF	
AF	5	SPACE	12	12	12"	20	1			1.5			1	20	12	12	12"	12"	1/2"	LAUNDRY RCPTS	6	AF	
AF	7	WASHER/DYER	12	12	12"	20	1	1.3	0.5				1	20	12	12	12"	12"	1/2"	BATHROOM RCPTS	8	AF	
AF	9	TOILET TUB HALLWAYS	12	12	12"	20	1	1.3	0.5				1	20	12	12	12"	12"	1/2"	BATHROOM RCPTS	10	AF	
AF	11	BEDROOM RCPTS	12	12	12"	20	1	0.5	0.5				1	20	12	12	12"	12"	1/2"	BATHROOM RCPTS	12	AF	
AF	13	BEDROOM RCPTS	12	12	12"	20	1	0.5	0.4				1	20	12	12	12"	12"	1/2"	UC REF AT BEDROOM	14	AF	
AF	15	BEDROOM RCPTS	12	12	12"	20	1	0.5	0.5				1	20	12	12	12"	12"	1/2"	UC REF AT BEDROOM	16	AF	
AF	17	TOILET TUB HALLWAYS	12	12	12"	20	1	1.3	0.5				1	20	12	12	12"	12"	1/2"	FAMILY ROOM 2ND FLOOR RCPTS	18	AF	
AF	19	TOILET TUB HALLWAYS	12	12	12"	20	1	0.5	0.5				1	20	12	12	12"	12"	1/2"	CLUB ROOM RCPTS	20	AF	
AF	21	BEDROOM RCPTS	12	12	12"	20	1	0.5	0.5				1	20	12	12	12"	12"	1/2"	CLUB ROOM RCPTS	22	AF	
AF	23	BEDROOM RCPTS	12	12	12"	20	1	0.5	0.5				1	20	12	12	12"	12"	1/2"	CLUB ROOM RCPTS	24	AF	
AF	25	GAS WATER HEAT	12	12	12"	20	1	0.2	0.3				1	20	12	12	12"	12"	1/2"	ELEVATOR SHUTTER PUMP	26	AF	
AF	27	SPACE	12	12	12"	20	1			2.0	0.5	1	20	12	12	12"	12"	1/2"	ELEVATOR SHUTTER PUMP	28	AF		
AF	29	LIGHTING INDR	12	12	12"	20	1	0.5	0.5				1	20	12	12	12"	12"	1/2"	ELEVATOR SHUTTER PUMP	30	AF	
AF	31	LIGHTING INDR	12	12	12"	20	1	0.5	0.5				1	20	12	12	12"	12"	1/2"	ELEVATOR SHUTTER PUMP	32	AF	
AF	33	LIGHTING INDR	12	12	12"	20	1	0.5	0.5				1	20	12	12	12"	12"	1/2"	ELEVATOR SHUTTER PUMP	34	AF	
AF	35	DISC	12	12	12"	20	1	0.3	0.3				1	20	12	12	12"	12"	1/2"	AV	36	AF	
AF	37	TOILET TUB HALLWAYS	12	12	12"	20	1	0.5	0.5				1	20	12	12	12"	12"	1/2"	AV	38	AF	
AF	39	TOILET TUB HALLWAYS	12	12	12"	20	1	0.5	0.5				1	20	12	12	12"	12"	1/2"	AV	40	AF	
AF	41	SPACE	12	12	12"	20	1	2.0	0.5	1			1	20	12	12	12"	12"	1/2"	FAMILY ROOM 2ND FLOOR RCPTS	42	AF	
AF	43	SPACE	12	12	12"	20	1	1.5					1	20	12	12	12"	12"	1/2"	CLUB ROOM RCPTS	44	AF	
AF	45	SPACE																	SPACE				
AF	47	SPACE																	SPACE				
AF	49	SPACE																	SPACE				
AF	51	SPACE																	SPACE				
AF	53	SPACE																	SPACE				
TOTAL CONNECTED LOAD PER PHASE							75.3			33.3			10.0			18.0			N/A				
TOTAL CONNECTED LOAD PANEL A							15.3			33.3			10.0			18.0			AMP				
TOTAL CONNECTED							138.8																
AF - ARC FAULT PROTECTED CIRCUIT BREAKER GF - GFCI GROUND FAULT PROTECTED C.B. NC - NO CONCERNING LOAD MC - MC CABLE N - NONE																							