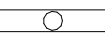
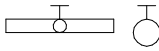
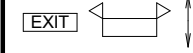
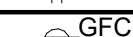
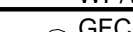


ELECTRICAL SYMBOLS		
ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.		
LIGHTING		
SYMBOL	DESCRIPTION	DEVICE MTG. HT.
	LINEAR LIGHT FIXTURE	SEE FIXTURE SCHEDULE
	WALL MOUNTED FIXTURE	SEE FIXTURE SCHEDULE
	RECESSED DOWNLIGHT FIXTURE	SEE FIXTURE SCHEDULE
	SURFACE MOUNTED FIXTURE	SEE FIXTURE SCHEDULE
	PENDANT FIXTURE	SEE FIXTURE SCHEDULE
	CEILING EXIT SIGN / CEILING BUG-EYE. ARROWS INDICATE CHEVRON DIRECTIONS.	SEE FIXTURE SCHEDULE
SWITCHES		
SYMBOL	DESCRIPTION	DEVICE MTG. HT.
	WALL SWITCH SPST, 20A, 120/277V	48" AFF
	DOUBLE POLE TOGGLE SWITCH, 20A/120/277V	48" AFF
	3-WAY WALL SWITCH, 20A, 120/277V	48" AFF
	4-WAY WALL SWITCH, 20A, 120/277V	48" AFF
	WALL BOX DIMMER SWITCH	48" AFF
	KEY OPERATED WALL SWITCH	48" AFF
	WALL SWITCH WITH ADJUSTABLE COUNTDOWN TIMER	48" AFF
	3-WAY WALL DIMMER SWITCH, 20A, 120/277V	48" AFF
	LOW VOLTAGE WALL SWITCH	48" AFF
	WALL MOUNTED OCCUPANCY SENSOR SWITCH.	48" AFF
	WALL MOUNTED VACANCY SENSOR SWITCH.	48" AFF
	OCCUPANCY SENSOR	CEILING
WIRING DEVICES & POWER		
SYMBOL	DESCRIPTION	DEVICE MTG. HT. U.N.O.
	SINGLE RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R	18" AFF U.N.O.
	DUPLEX RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R	18" AFF U.N.O.
	DUPLEX RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R	6" ABOVE COUNTERTOP OR CUSTOM MOUNTING HEIGHT
	DUPLEX RECEPTACLE GFCI - 20A/125V/2P/3W/G NEMA 5-20R	18" AFF U.N.O.
	DUPLEX RECEPTACLE GFCI - 20A/125V/2P/3W/G NEMA 5-20R	6" ABOVE COUNTERTOP OR CUSTOM MOUNTING HEIGHT
	QUADRAPLEX RECEPTACLE (TWO DUPLEX RCPTS. UNDER ONE COVERPLATE)	18" AFF U.N.O.
	QUADRAPLEX RECEPTACLE (TWO DUPLEX RCPTS. UNDER ONE COVERPLATE)	6" ABOVE COUNTERTOP OR CUSTOM MOUNTING HEIGHT
	DUPLEX RECEPTACLE GFCI - 20A/125V/2P/3W/G NEMA 5-20R WITH WEATHERPROOF ENCLOSURE WEATHER RESISTANT	18" AFF U.N.O.
	DUPLEX RECEPTACLE GFCI - 20A/125V/2P/3W/G NEMA 5-20R WITH WEATHERPROOF ENCLOSURE WEATHER RESISTANT	ROOF MOUNTED 18" AFF U.N.O.
	DUPLEX RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R FLOOR MOUNTED - FLUSH MOUNTED UNO	-
	DUPLEX RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R CEILING MOUNTED - FLUSH MOUNTED UNO	-
	SPECIAL PURPOSE RECEPTACLE (NEMA NO. AS INDICATED)	18" AFF U.N.O.
	JUNCTION BOX - SIZE AND MOUNTING AS REQUIRED	-
	PANELBOARD	-
	CIRCUIT BREAKER DISCONNECT SWITCH - THERMAL MAGNETIC CB IN NEMA 1 ENCLOSURE U.N.O.: AMPS/POLES AS INDICATED	+54" U.N.O.
	DISCONNECT SWITCH - 303"/1. INDICATES 30A, 3-POLE, * FUSE SIZE, NEMA TYPE. F DENOTES FUSIBLE SWITCH	+54" U.N.O.
	MOTOR	-
	THREE SINGLE POLE DEVICE CIRCUIT NUMBERS	-
	MULTI-POLE DEVICE CIRCUIT NUMBERS	-
	HOMERUN CONDUIT MINIMUM 3/4" U.N.O. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS.	-
	CONDUIT CONCEALED IN WALLS OR ABOVE CEILING	-
	CONDUIT BELOW GRADE OR UNDER FLOOR	-
	CONDUIT EXPOSED	-
TELEPHONE/DATA		
SYMBOL	DESCRIPTION	DEVICE MTG. HT. U.N.O.
	4" SQUARE BOX WITH SINGLE GANG ADAPTER FOR ONE WALL MOUNTED TELEPHONE/DATA OUTLET. STUB 1" C. ABOVE ACCESSIBLE CEILING FROM OUTLET BOX. COORDINATE EXACT REQUIREMENTS WITH VENDOR.	18" AFF
MISCELLANEOUS		
SYMBOL	DESCRIPTION	DEVICE MTG. HT.
	TV OUTLET - PROVIDED BY OTHER	AS REQUIRED
	GROUND BAR	-
	STEP-DOWN TRANSFORMER	-
	SURGE PROTECTIVE DEVICE	-
	WIRELESS ACCESS POINT LOCATED ABOVE CEILING.	-
	CLOSED CIRCUIT VIDEO SURVEILLANCE CAMERA	-

GENERAL ELECTRICAL NOTES	
A. ALL WORK SHALL CONFORM WITH ALL LOCAL, STATE, FEDERAL ORDINANCES AND BUILDING CODES GOVERNING THE INSTALLATION OF THE ELECTRICAL IF WORK AS LAID OUT, INDICATED OR SPECIFIED IS CONTRARY TO OR CONFLICTS WITH LOCAL ORDINANCES, BUILDING CODES AND REGULATIONS, THE CONTRACTOR SHALL REPORT IN WRITING TO THE ARCHITECT/ENGINEER BEFORE SUBMITTING A BID. THE ARCHITECT/ENGINEER WILL THEN ISSUE INSTRUCTIONS AS HOW TO PROCEED. B. THE DRAWING ARE TO BE CONSIDERED DIAGRAMMATIC, NOT NECESSARILY SHOWING IN DETAIL OR TO SCALE ALL OF THE MINOR ITEMS, UNLESS SPECIFIC DIMENSIONS ARE SHOWN, THE STRUCTURAL, ARCHITECTURAL AND SITE CONDITIONS SHALL GOVERN THE EXACT LOCATIONS. CONTRACTOR SHALL FOLLOW DRAWINGS IN LAYING OUT WORK. CHECK DRAWINGS OF ALL TRADES TO VERIFY SPACES IN WHICH WORK WILL BE INSTALLED AND MAINTAIN MAXIMUM HEAD ROOM, OR SPACE CONDITIONS AT ALL POINTS. WHERE HEAD ROOM, OR SPACE CONDITIONS APPEAR INADEQUATE, ARCHITECT/ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH INSTALLATION. THIS CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE FIELD MODIFICATION IN LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF VARIOUS TRADES OR FOR PROPER EXECUTION OF THE WORK. C. EXAMINE ALL DRAWINGS CAREFULLY PRIOR TO SUBMITTING A BID, CONTRACTOR WILL BE REQUIRED TO FURNISH, INSTALL AND/OR CONNECT WITH APPROPRIATE SERVICES ALL ELECTRICAL ITEMS SHOWN ON ANY OF THE ARCHITECTURAL, PLUMBING, MECHANICAL, ETC. DRAWINGS WITHOUT ADDITIONAL EXPENSE TO THE OWNER, IF DISCREPANCIES, CONFLICTS, OMISSIONS, OR OMISSIONS OCCUR BETWEEN DRAWINGS, NOTIFY IN WRITING THE ARCHITECT/ENGINEER IN AMPLE TIME TO PERMIT REVISIONS BEFORE THE BIDS ARE SUBMITTED. D. VERIFY SERVICE CHARACTERISTICS, LOCATION AND CONNECTION WITH TELEPHONE AND ELECTRIC UTILITY COMPANIES PERFORM ALL WORK RELATED TO SERVICE IN STRICT ACCORDANCE WITH UTILITY Co. STANDARDS AND REQUIREMENTS. E. INSTALL MATERIALS AND EQUIPMENT IN A NEAT AND FIRST CLASS WORKMANLIKE MANNER. THE OWNER RESERVES THE RIGHT TO DIRECT REMOVAL AND REPLACEMENT OF ITEM WHICH, IN HIS OPINION, DO NOT PRESENT A NEAT AND WORKMAN-LIKE APPEARANCE. REMOVAL AND REPLACEMENT IS TO BE DONE IMMEDIATELY WHEN DIRECTED BY THE OWNER IN WRITING, AT THE SOLE EXPENSE OF CONTRACTOR. F. THE WORK OF WORK BY CONTRACTOR SHALL BE INSURED AS ACCEPTANCE BY HIM OF ALL CLAIMS OR QUESTIONS AS TO SUITABILITY OF THE WORK OF OTHER TRADES OR OTHER CONTRACTORS TO RECEIVE HIS WORK. THIS CONTRACTOR SHALL REMOVE AND REPLACE, AT HIS EXPENSE, ALL ELECTRICAL WORK WHICH MAY HAVE TO BE REMOVED BECAUSE OF INTERFERENCE WITH OTHER TRADES. G. THE CONTRACTOR SHALL OBTAIN AND PAY ALL INSURANCE, FEES, PERMITS ASSOCIATION DUES, ROYALTIES, AND TAXES OF WHATEVER NATURE SHALL APPLY TO THIS HE SHALL ALSO PAY ALL INSPECTION FEES AS MAY BE REQUIRED BY LAW OR ORDINANCE AND SHALL KEEP THE OWNER HARMLESS FROM ANY DAMAGE AND EXPENSE ARISING FROM ANY VIOLATION OF THE LAWS, RULES OR ORDINANCES. H. THE CONTRACTOR SHALL COMPLETE ALL EQUIPMENT AND CONTROLS AS DIRECTED BY A/C CONTRACTOR. CONTROL WIRING SHALL BE SEPARATE RACEWAY FROM POWER WIRING. I. PROVIDE MEANS "FURNISH AND INSTALL". J. COORDINATE WORK WITH WORK OF OTHER TRADES TO AVOID ALL CONFLICTS. K. DO A COMPLETE JOB. EVERYTHING CONNECTED, READY FOR USE. L. PROVIDE LIGHT FIXTURES AS PER OWNER SELECTION OR SCHEDULE. M. PROVIDE ALL WIRING DEVICES (NO 1/2 SIZE BREAKERS) N. ALL WIRE(S) SHALL BE COPPER, IN RACEWAY, UNLESS OTHERWISE SPECIFIED ON DRAWINGS. O. RACEWAYS: ALL UNDERGROUND RACEWAYS TO BE PVC, INSIDE CONCRETE SLAB ENT WITH APPROVED FITTING, INSIDE PARTITION EMT, WITH 1/2" ROMEX WIRE WITH ALLOTTED PER NEC. FOR FLOOR PENETRATION USE ONLY EMT. P. SHOP DRAWINGS: THIS CONTRACTOR SHALL FURNISH THE ENGINEER WITH SHOP DRAWINGS OF EQUIPMENT PRIOR TO PURCHASE FOR APPROVAL. Q. TESTING: THE CONTRACTOR SHALL TEST ALL WORK AND EQUIPMENT AS DIRECTED BY THE ARCHITECT AND BY AUTHORITIES HAVING JURISDICTION. THE REMOVAL OF THE EQUIPMENT AND NECESSARY PERSONNEL AND ELECTRIC THE ENTIRE INSTALLATION SHALL BE TESTED FOR SHORTS, GROUNDS THE CONTRACTOR SHALL TEST ALL WORK AND EQUIPMENT AS AND OPEN CIRCUITS, AND ALL DEFECTS SHALL BE DEMONSTRATED TO BE IN PROPER WORKING AND OPERATING CONDITION TO THE COMPLETE SATISFACTION OF THE ENGINEER. R. GUARANTEES: ALL EQUIPMENT AND MATERIAL SHALL BE GUARANTEED FOR ONE YEAR AFTER THE DATE OF ACCEPTANCE BY THE OWNER. S. BEFORE BIDDING THE JOB THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITION AND THE SCOPE OR WORK AS DIRECTED BY THE ARCHITECT AND THESE DRAWINGS. T. AT COMPLETION OF THE JOB THE ELECTRICAL CONTRACTOR SHALL GIVE THE OWNER AN AS-BUILT SET OF DRAWINGS SHOWING THE EXACT ELECTRICAL INSTALLATION. U. ALL EXISTING ELECTRICAL DEVICES AND EQUIPMENT SLATED TO BE DEMOLISHED AND THEIR ASSOCIATED WIRING INSIDE THE REMOVED WALLS SHALL BE DISCONNECTED AND REMOVED. V. IDENTIFY CLEARLY ON A TYPED WRITTEN FORM ALL CIRCUITS AND EQUIPMENT CORRESPONDING WITH THE PLANS AND PANEL SCHEDULE AND ATTACH INSIDE THE PERTAINING PANEL.	
BID NOTE	
THE DRAWINGS DO NOT INDICATE EXISTING INSTALLATIONS OTHER THAN TO INDICATE MODIFICATIONS OR EXTENSIONS THERETO. VISIT THE SITE AND ASCERTAIN THE EXISTING CONDITIONS. REVIEW CONSTRUCTION DETAILS OF THE EXISTING EQUIPMENT IN THE BUILDING DURING THE SITE INSPECTION. INCLUDE ALL WORK REQUIRED TO REMOVE OR RELOCATE PORTIONS OF THE EXISTING INSTALLATION IN ORDER TO ACCOMMODATE THE NEW WORK. FAILURE TO COMPLY WITH THIS WILL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL PAYMENT IN CONNECTION WITH REMOVING OR MODIFYING ANY PART OF THE EXISTING INSTALLATION OR INSTALLING ANY NEW OR TEMPORARY WORK.	

ELECTRICAL ABBREVIATIONS			
AFC	ABOVE FINISHED COUNTER	MCB	MAIN CIRCUIT BREAKER
AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
AFG	ABOVE FINISHED GRADE	MDP	MAIN DISTRIBUTION PANEL
AHJ	AUTHORITIES HAVING JURISDICTION	MH	MANHOLE
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUGS ONLY
BFC	BELOW FINISHED CEILING	MTD	MOUNT OR MOUNTED
BOD	BASIS OF DESIGN	N	NEW DEVICE
BOF	BOTTOM OF FIXTURE	NC (N.C.)	NORMALLY CLOSED
C	CONDUIT	NEC	NATIONAL ELECTRIC CODE
CB,C/B OR	CIRCUIT BREAKER	NF	NOT FUSED
CKT BKR	CIRCUIT	NIC	NOT IN CONTRACT
CKT	CIRCUIT	NL	NIGHT LIGHT
CCTV	CLOSED CIRCUIT T.V.	NO (N.O.)	NORMALLY OPEN
CLG	CEILING	(ON)	HOME RUN FOR CKT IS "ON" THE SAME CKT. ELSEWHERE ON THE PLAN
DFA	DOWN FROM ABOVE	PB	PULL BOX
ECB	ENCLOSED CIRCUIT BREAKER	PNL	PANEL
ELEC	ELECTRIC	PWR	POWER
E	EMERGENCY - RED	R	RELOCATED DEVICE
EMS	ENERGY MANAGEMENT SYSTEM	RCPT(S) OR	RECEPTACLE(S)
EP	EXPLOSION PROOF	RECEPT	
EWG	ELECTRIC WATER COOLER	RF	RETURN AIR FAN
EX	EXISTING TO REMAIN	SEF	SMOKE EXHAUST FAN
EXR	EXISTING TO BE RELOCATED OR REMOVED	SF	SUPPLY AIR FAN
F	FUSE	SO (S.O.)	SPACE ONLY
FA	FIRE ALARM	SP	SPARE
FACP, FAP	FIRE ALARM CONTROL PANEL	ST (S.T.)	SHUNT TRIP
FCU	FAN COIL UNIT	SW	SWITCH
FIXT	FIXTURE	TC	TIME CLOCK
FLR	FLOOR	TEL	TELEPHONE
FLUOR	FLUORESCENT	TF	TRANSFER FAN
FTU	FAN TERMINAL UNIT	TP	TAMPER PROOF
G, GND	GROUND (EQUIPMENT)	TV	TELEVISION
GEF	GENERAL EXHAUST FAN	UF	UNDERFLOOR
GEN	GENERATOR	UG	UNDERGROUND
GFCI, GFI	GROUND FAULT CIRCUIT INTERRUPTER	UH	UNIT HEATER
HP	HORSE POWER	U.N.O.	UNLESS NOTED OTHERWISE
HV	HIGH VOLTAGE	V	VOLTAGE
HWAT	HEAT TRACE	VV	VARIABLE VOLUME UNIT
IC	INTERRUPTING CAPACITY	W	WIRE
IG	ISOLATED GROUND	W/	WITH
JB	JUNCTION BOX	WP	WEATHER PROOF (NEMA 3R ENCLOSURE)
LGT	LIGHTING	WR	WEATHER RESISTANT
LTS	LIGHTS	XFMR	TRANSFORMER
LSI	ELECTRONIC TRIP	+xx	MOUNTING HEIGHT IN INCHES. AFF U.N.O.
LSIA	ELECTRONIC TRIP WITH ALARM		
LSIG	ELECTRONIC TRIP WITH GROUND FAULT		
LV	LOW VOLTAGE		
AFCI	ARC - FAULT CIRCUIT INTERRUPTER		

NOTES:

1. 48" AFF INDICATES TO TOP OF DEVICE;
18" AFF INDICATES TO BOTTOM OF DEVICE;
80" AFF INDICATES TO BOTTOM OF DEVICE;
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.

MISCELLANEOUS

② - NOTES: DENOTES "SEE NOTE NO. 2"

REF. MARK (ID) NUMBER FOR EQUIPMENT

REF. 2/E2.02 - DENOTES: REFERENCE DETAIL 2 IN DRAWING (SHEET) E2.02

XX-XX

○

+

×

PANEL AND CIRCUIT

SWITCHING DESIGNATION
FIXTURE TYPE

NOTE: THIS INFORMATION MAY NOT ALWAYS BE INDICATED IN THE FORMAT SHOWN, DUE TO SPACE RESTRICTIONS ON THE FLOOR PLAN.

GOVERNING CODES AND STANDARDS	
THE SCOPE OF WORK CARRIED OUT ON THIS PROJECT SHALL CONFORM TO ALL APPLICABLE CODES AND STANDARDS INCLUDING BUT NOT LIMITED TO:	
1.	FLORIDA BUILDING CODE (FBC) 8TH EDITION (2023).
2.	FLORIDA FIRE PREVENTION CODE, 8TH EDITION (2023).
3.	NFPA 70 - NATIONAL ELECTRICAL CODE (NEC-2020).
4.	NFPA 101 - LIFE SAFETY CODE (2021).
5.	NFPA 72 - FIRE ALARM CODE (2019).
ELECTRICAL SHEET INDEX	
DWG NO.	DRAWING TITLE
E-1	GENERAL INFORMATION - ELECTRICAL
E-2	PROPOSED ELECTRICAL SITE PLAN
E-3	PROPOSED FIRST FLOOR ELECTRICAL PLAN - AREA A
E-4	PROPOSED FIRST FLOOR ELECTRICAL PLAN - AREA B
E-5	PROPOSED SECOND FLOOR ELECTRICAL PLAN - AREA A
E-6	ELECTRICAL RISER DIAGRAMS
E-7	ELECTRICAL SCHEDULES & NOTES
E-8	ELECTRICAL SCHEDULES
E-9	ELECTRICAL SCHEDULES

ELECTRICAL SHEET INDEX		
<u>DWG NO.</u>	<u>DRAWING TITLE</u>	<u>SCALE</u>
E-1	GENERAL INFORMATION - ELECTRICAL	
E-2	PROPOSED ELECTRICAL SITE PLAN	
E-3	PROPOSED FIRST FLOOR ELECTRICAL PLAN - AREA A	
E-4	PROPOSED FIRST FLOOR ELECTRICAL PLAN - AREA B	
E-5	PROPOSED SECOND FLOOR ELECTRICAL PLAN - AREA A	
E-6	ELECTRICAL RISER DIAGRAMS	
E-7	ELECTRICAL SCHEDULES & NOTES	
E-8	ELECTRICAL SCHEDULES	
E-9	ELECTRICAL SCHEDULES	



NEW SINGLE FAMILY RESIDENCE
AGD CALISTONE LLC
10840 SW 67 Ave MIAMI, FL 33156

	JUNE 2024	1ST ISSUES
A	06.10.25	BLDG DEPT COMMENT
A	09.23.25	FIELD COORDINATION
A	10.23.25	OWNER CHANGES
A		
A		
A		
A		
A		
A		
A		
A		

RCD PROJECT No.	2025.512
DRAWN BY	RV
CHECKED BY	RD
SCALE	AS NOTED
R&D ENGINEERS RECORDRY No.	37312

SEAL

Digitally signed by
RICARDO A DIAZ
Date: 2025.11.03
17:07:25 -05'00'

The seal features a circular design with "STATE OF FLORIDA PROFESSIONAL ENGINEER" around the perimeter. In the center, it says "No. 76881" above a signature strip where the name "RICARDO DIAZ" is written over a blue ink-like signature.

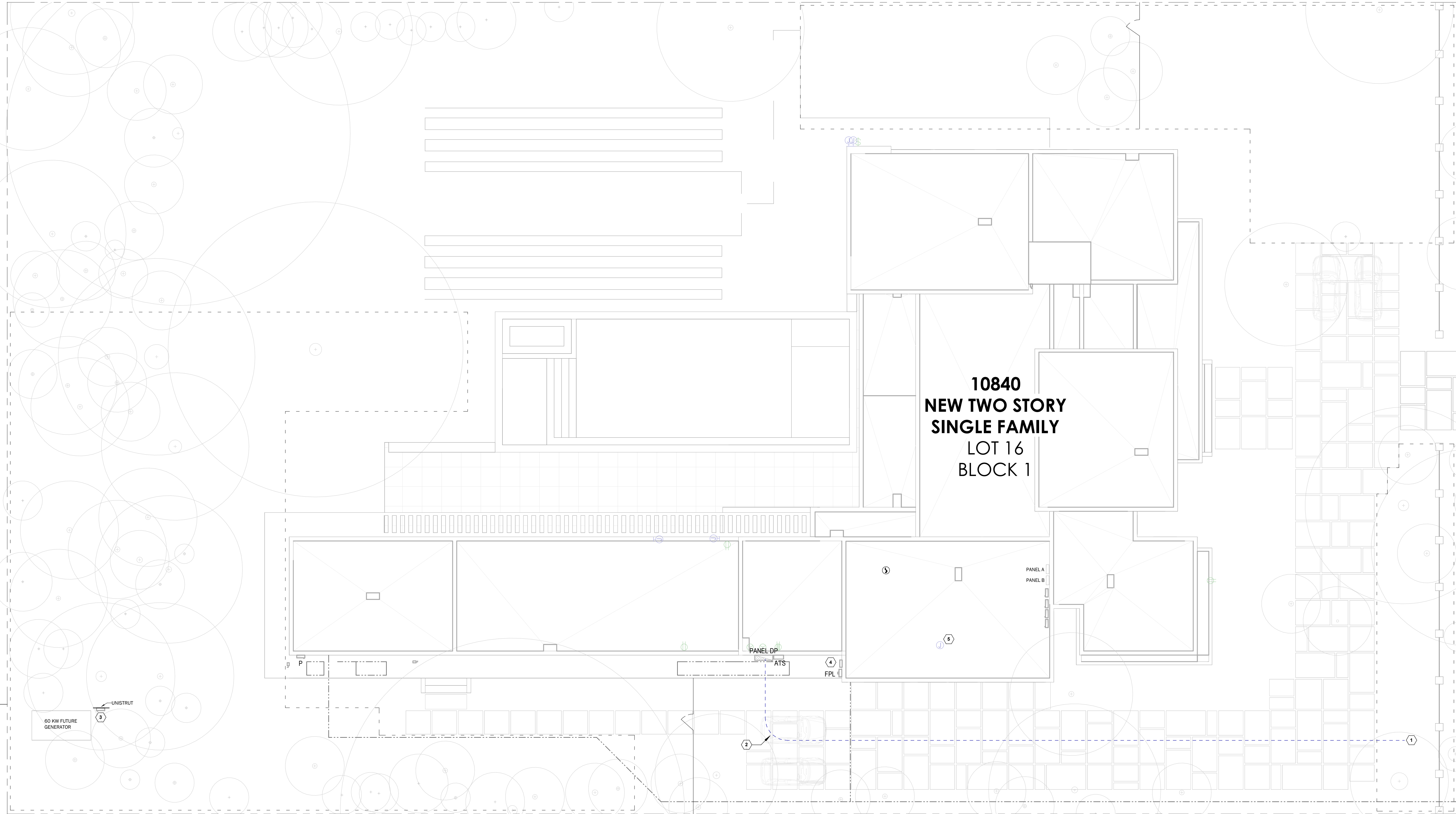
RICARDO A. DIAZ

PROFESSIONAL ENGINEER

PE #6981

THIS IS A DIGITALLY SIGNED SHEET PRINTED ON ONE SIDE AND THE SIGNATURE WAS VERIFIED COMPLETING AN ELECTRONIC COPY.

THE CONTENTS OF THIS SHEET AND ALL OTHER DRAWINGS SHOWN IN THIS SET ARE PROTECTED BY U.S. AND INTERNATIONAL COPYRIGHT LAWS. REPRODUCTION OR USE WITHOUT PERMIT FROM THE CREATOR IS EXPRESSLY FORBIDDEN BY LAW. SEE ALSO OUR TERMS.



1 SITE PLAN - ELECTRICAL
SCALE: 3/32" = 1'-0"

LEGEND NOTES

- TO APPROXIMATE LOCATION OF UTILITY COMPANY POLE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH UTILITY COMPANY PRIOR TO INSTALLATION OF SERVICE CONDUITS. CONTRACTOR/OWNER SHALL COORDINATE CONNECTION WITH UTILITY COMPANY REPRESENTATIVE & VERIFY IF EXISTING TRANSFORMER IS CAPABLE OF ACCEPTING THE PROPOSED ADDITIONAL LOAD. IF EXISTING TRANSFORMER REQUIRES REPLACEMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR, UNDER DIRECTION FROM THE OWNER, TO COORDINATE REPLACEMENT WITH UTILITY COMPANY REPRESENTATIVE AND PROVIDE ALL EQUIPMENT & MATERIAL NECESSARY FOR A COMPLETE AND OPERATIONAL INSTALLATION.
- PROPOSED UNDERGROUND ROUTING OF POWER SERVICE CONDUCTORS. COORDINATE EXACT ROUTING WITH CIVIL AND STRUCTURAL DRAWINGS. FOR QUANTITY AND SIZES, REFER TO ELECTRICAL RISER DIAGRAM. ROUTING SHOWN IS SCHEMATIC ONLY. CONTRACTOR SHALL FIND FEASIBLE ROUTING IN THE FIELD.
- FUTURE 250A PORTABLE GENERATOR CONNECTION TAP BOX.
- EMPTY J-BOX FOR FUTURE SOLAR PV ADJACENT TO METER. PROVIDE 2" EMPTY CONDUIT STUB UP AT ROOF. PROVIDE CAP.
- EMPTY J-BOX FOR FUTURE SOLAR PANEL. TERMINATE ADJACENT TO METER. PROVIDE 2" EMPTY CONDUIT.

GENERAL NEW WORK NOTES

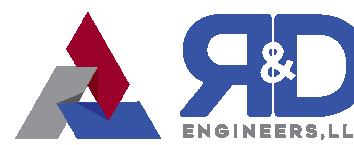
- FURNISH AND INSTALL ALL WIRING AND RACEWAYS TO COMPLETE CIRCUITING AS INDICATED ON THESE DRAWINGS.
- COORDINATE EXACT LOCATION AND HEIGHT OF ALL RECEPTACLES AND DEVICES WITH ARCHITECTURAL ELEVATIONS AND DRAWINGS.
- FINAL LOCATION OF ALL RECEPTACLES SHALL BE COORDINATED WITH MILLWORK. REFER TO ARCHITECTURAL DRAWINGS.
- ALL ELECTRICAL BOXES TO BE INSTALLED STAGGERED. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
- PROVIDE ACCESSIBILITY IN FRONT OF THE SERVICE AS REQUIRED BY NEC 110.26A.
- ALL EQUIPMENT INSTALLED OUTSIDE SHALL BE SUITABLE FOR THE LOCATION AS REQUIRED PER NEC.
- CONDUIT ROUTING SHOWN IS SCHEMATIC ONLY. CONTRACTOR SHALL CONFIRM EXACT ROUTINGS IN THE FIELD. COORDINATE EXACT REQUIREMENTS WITH STRUCTURAL DRAWINGS.



MIK ARCHITECTURE LLC
MATIAS DAROCH
AR-100480
1385 CORAL WAY, SUITE 200
MIAMI, FLORIDA 33145
+1 786 738-0860
mike@mikarch.com



AGD DEVELOPERS LLC
1385 CORAL WAY, SUITE 200
MIAMI, FLORIDA 33145
agddev.com
developers@agddev.com



R&D ENGINEERS LLC
7701 NW 12TH ST, SUITE 207
CORAL, FLORIDA 33026
rdengineers.com
coral@rd-engineers.com

NEW SINGLE FAMILY RESIDENCE
AGD CALUSTONE LLC
10840 SW 67 Ave MIAMI, FL 33156

ISSUES	JUN 2024	1ST ISSUED
06.10.25	BLDG DEPT COMMENTS	
09.23.25	FIELD COORDINATION	
10.23.25	OWNER CHANGES	

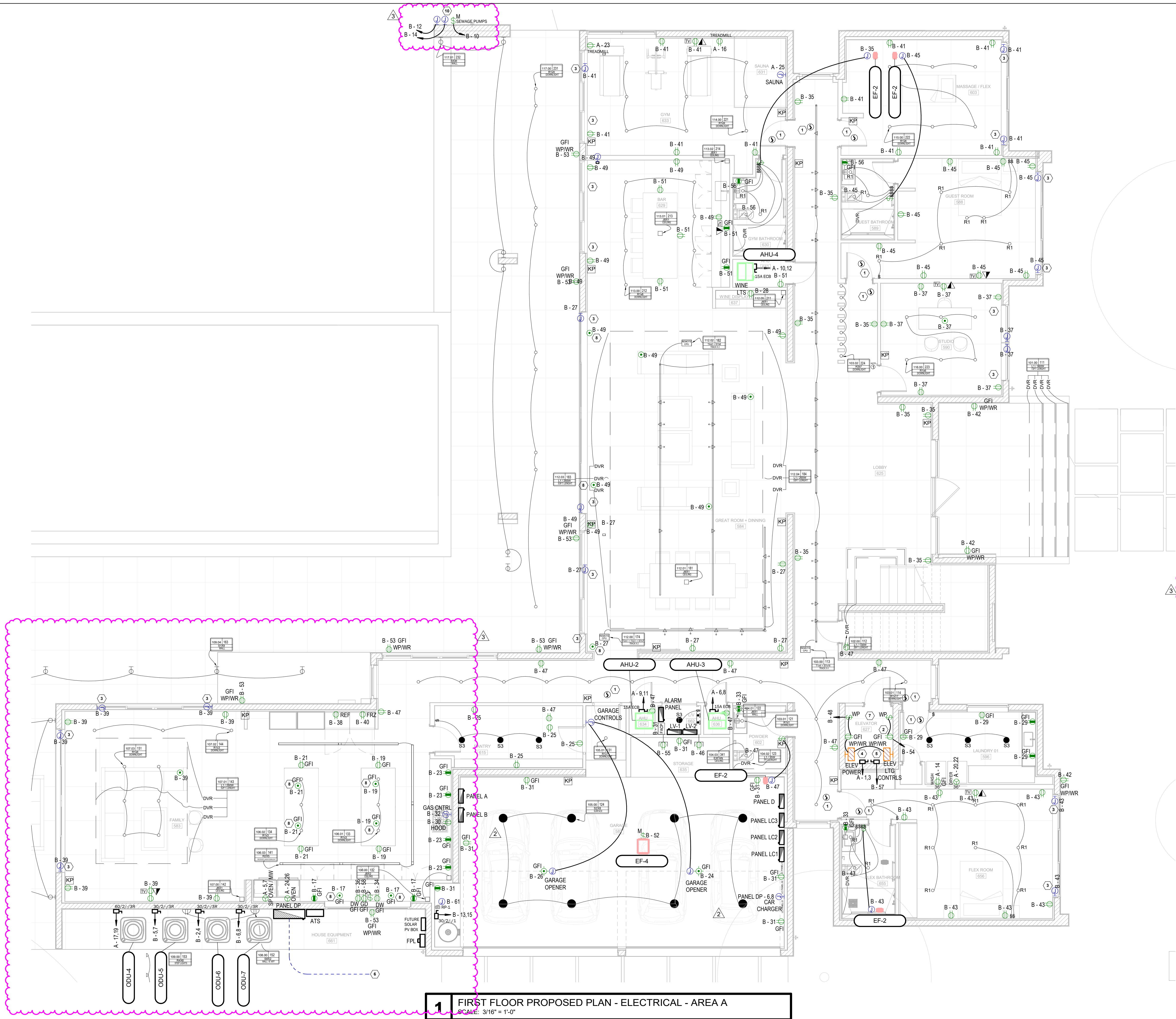
REVISIONS	2025.512
DRAWN BY	RV
CHECKED BY	RD
SCALE	AS NOTED
REGISTRATION NO.	37312

SEAL
Digitally signed by RICARDO A DIAZ
Date: 2025.11.03 17:07:38 -05'00'
RICARDO A. DIAZ
PROFESSIONAL ENGINEER
PE 76981

THIS IS A DIGITALLY SIGNED SHEET. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND BE SIGNED AND SEALED BY THE SIGNER ON THE ORIGINAL SHEET.
THE CONTENT OF THIS SHEET AND ALL OTHER DRAWINGS DERIVED IN THE BY ARE PROTECTED BY U.S. AND INTERNATIONAL COPYRIGHT LAWS. REPRODUCTION OR USE WITHOUT PROPER WRITTEN CONSENT IS PROHIBITED BY LAW. SEE ALSO FOR DETAILS.

SHEET NO.

E-2

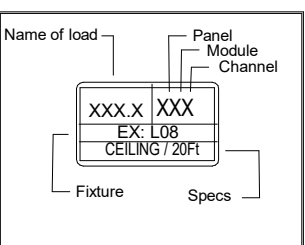


GENERAL NEW WORK NOTES

- FURNISH AND INSTALL ALL WIRING AND RACEWAYS TO COMPLETE CIRCUITING AS INDICATED ON THESE DRAWINGS.
- COORDINATE EXACT LOCATION AND HEIGHT OF ALL RECEPTACLES AND DEVICES WITH ARCHITECTURAL ELEVATIONS AND DRAWINGS.
- FINAL LOCATION OF ALL RECEPTACLES SHALL BE COORDINATED WITH MILLWORK. REFER TO ARCHITECTURAL DRAWINGS.
- ALL ELECTRICAL BOXES TO BE INSTALLED STAGGERED. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
- PROVIDE ACCESSIBILITY IN FRONT OF THE SERVICE AS REQUIRED BY NEC 110.26A.
- ALL EQUIPMENT INSTALLED OUTSIDE SHALL BE SUITABLE FOR THE LOCATION AS REQUIRED PER NEC.
- WHEN GFI RECEPTACLE ACCESSIBILITY IS NOT ACHIEVED, GFI PROTECTION SHALL BE PROVIDED VIA GFI BREAKER.
- CONDUIT ROUTING SHOWN IS SCHEMATIC ONLY, CONTRACTOR SHALL CONFIRM EXACT ROUTING IN THE FIELD. COORDINATE EXACT REQUIREMENTS WITH STRUCTURAL DRAWINGS.

LEGEND NOTES

- PROVIDE COMBINATION SMOKE DETECTOR / CARBON MONOXIDE DETECTOR ALARM. ALL DEVICES SHALL BE INTERCONNECTED, SO THAT OPERATION OF ANY SMOKE OR CARBON MONOXIDE ALARM SHALL CAUSE THE ALARM OF ALL ALARMS WITHIN THE DWELLING UNIT TO SOUND (NFPA 101 SECTION 9.6.2.10.3)
- SWITCHED RECEPTACLE FOR ELEVATOR PIT SUMP PUMP.
- JUNCTION BOX FOR POWER EXTENSION TO MOTORIZED SHADES. COORDINATE EXACT REQUIREMENTS WITH VENDOR.
- 250V, 2-POLE, 30A LOCKABLE DISCONNECT FOR POWER TO ELEVATOR. PROVIDE 20A FUSES PER MANUFACTURER RECOMMENDATIONS. COORDINATE EXACT REQUIREMENTS WITH VENDOR.
- 120V, 30A LOCKABLE DISCONNECT FOR POWER TO ELEVATOR LTG & CONTROLS. PROVIDE FUSES PER MANUFACTURER RECOMMENDATIONS. COORDINATE EXACT REQUIREMENTS WITH VENDOR.
- APPROXIMATE ROUTING OF PROPOSED UNDERGROUND SERVICE FEEDERS. REFER TO RISER DIAGRAM FOR ADDITIONAL INFORMATION. CONDUIT ROUTING IS SCHEMATIC ONLY. CONTRACTOR SHALL CONFIRM SUITABLE ROUTING IN THE FIELD.
- ELEVATOR PROVIDED WITH UPS FOR EMERGENCY LOWERING.
- FLOOR RECEPTACLE SHALL BE WITHIN 12" FROM THE GLASS WALL.
- CONTRACTOR TO PROVIDE POP-UP RECEPTACLES.
- POWER FOR SEWAGE PUMPS AND SEPTIC TANK CONTROLS. COORDINATE EXACT REQUIREMENTS WITH VENDOR.



LIGHTING LEGEND

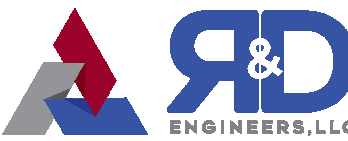
- Downlight Recessed Fijo R1
- Downlight Surface S2,S3
- Wall Washer Recessed R4
- Uplight Recessed R3
- ◀+ Spotlight (Aimed) S7
- Downlight Linear Led R6
- LED Strip L1, L2
- Appliqué S4, S5, S9, S11
- Rail 1000mm, T1, T2, T3
- J BOX
- Wall washer R5
- LED Strip L3
- Downlight Surface Aimable S1
- ◀ Wall wash S10
- ◀ Wall wash R5



MIK ARCHITECTURE LLC
MATIAS DAROCH
AIA 104049
1385 CORAL WAY, SUITE 200
MIAMI, FLORIDA 33145
305.778.0860
mik@mikarch.com



AGD DEVELOPERS LLC
1385 CORAL WAY, SUITE 200
MIAMI, FLORIDA 33145
agdevelopers.com
developers@agdevelopers.com



R&D ENGINEERS, LLC
7700 NW 125th Street, Suite 200
CORAL GABLES, FLORIDA 33156
rdengineers.com
carol@rd-engineers.com

NEW SINGLE FAMILY RESIDENCE
AGD CALSTONE LLC
10840 SW 67 Ave MIAMI, FL 33156

ISSUES
JUN 2024 131 ISSUES
06.10.25 BLDG DEPT COMMENTS
09.23.25 FIELD COORDINATION
10.23.25 OWNER CHANGES

REVISIONS
2025.512

DRAWN BY
RV

CHECKED BY
RD

SCALE
AS NOTED

REVISIONS
37312

SEAL

Digitally signed
by RICARDO A
DIAZ
Date:
2025.11.03
17:07:48 -05'00'
RICARDO A. DIAZ
PROFESSIONAL ENGINEER
PE 76981

THIS IS A DIGITALLY SIGNED SHEET. PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED VALID UNLESS THEY ARE VERIFIED BY THE SIGNATURE AND THE
DATE OF THE SIGNATURE. THE SIGNATURE AND THE DATE OF THE SIGNATURE
MUST BE VERIFIED BY THE SIGNATURE AND THE DATE OF THE SIGNATURE.

THE CONTENT OF THIS SHEET AND ALL OTHER DRAWINGS ISSUED BY THE FIRM ARE
PROTECTED BY U.S. AND INTERNATIONAL COPYRIGHT LAWS. REPRODUCTION OR
USE WITHOUT PROPER WRITTEN CONSENT IS PROHIBITED BY LAW. SEE ALSO FOR
DETAILS.

SHEET NO.

E-3

PROPOSED FIRST FLOOR ELECTRICAL
PLAN AREA A



NEW SINGLE FAMILY RESIDENCE
AGD CALISTONE LLC
10840 SW 67 Ave MIAMI, FL 33156

ISSUES		1ST ISSUED	
JUN 2024	06.10.25	BLDG DEPT COMMENTS	
09.23.25	09.23.25	FIELD COORDINATION	
10.23.25	10.23.25	OWNER CHANGES	

Project No. 2025.512

OWN BY

LOCKED BY

AS NOTED

AS NOTED	
0 ENGINEERS	
STRY No.	37312

07/012

RICARDO A DIAZ

No. 76981

STATE OF


 A circular professional engineer seal for the State of Florida. The outer ring contains the text "FLORIDA" at the top and "PROFESSIONAL ENGINEER" at the bottom. The center of the seal features a large, stylized number "20".

17

RICARDO A.

PE 7698:

IS A DIGITALLY SIGNED SHEET. PRINTED COPY

CONSIDERED SIGNED AND SEALED AND THE S
ANY ELECTRONIC C

THE CONTENT OF THIS SHEET AND ALL OTHER DOCUMENTS
CONTAINED HEREIN ARE UNCLASSIFIED
DATE 01-11-2001 BY 60322 UCBAW/STP

ET No.

Г

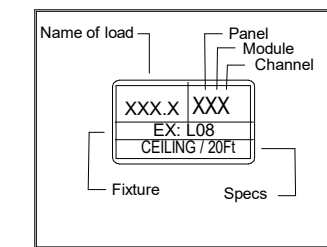
E-4

PROPOSED FIRST FLOOR

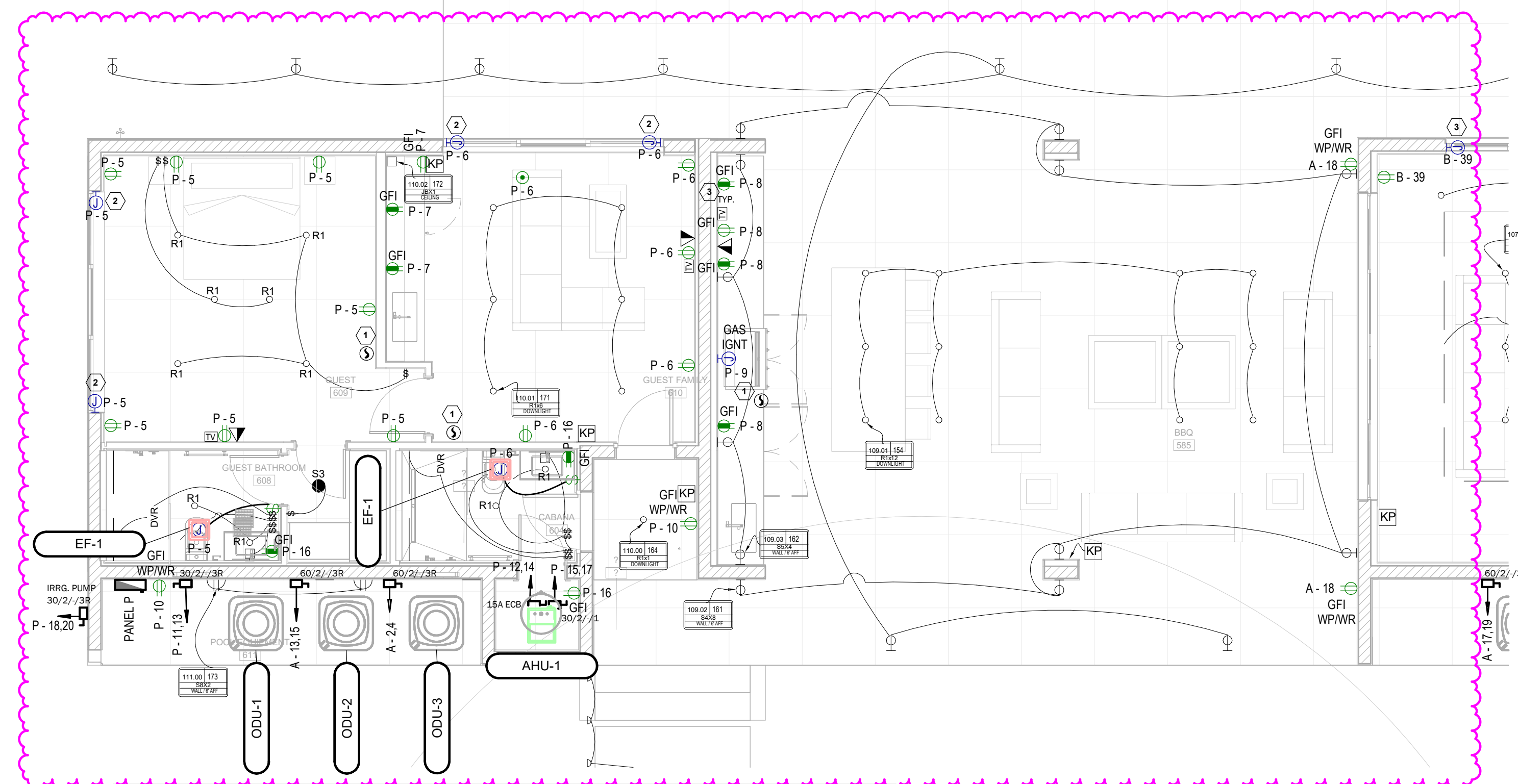
PLAN , ARE

- A. FURNISH AND INSTALL ALL WIRING AND RACEWAYS TO COMPLETE CIRCUITING AS INDICATED ON THESE DRAWINGS.
- B. COORDINATE EXACT LOCATION AND HEIGHT OF ALL RECEPTACLES AND DEVICES WITH ARCHITECTURAL ELEVATIONS AND DRAWINGS.
- C. FINAL LOCATION OF ALL RECEPTACLES SHALL BE COORDINATED WITH MILLWORK. REFER TO ARCHITECTURAL DRAWINGS.
- D. ALL ELECTRICAL BOXES TO BE INSTALLED STAGGERED. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
- E. PROVIDE ACCESSIBILITY IN FRONT OF THE SERVICE AS REQUIRED BY NEC 110.26A.
- F. ALL EQUIPMENT INSTALLED OUTSIDE SHALL BE SUITABLE FOR THE LOCATION AS REQUIRED PER NEC.
- G. WHEN GFI RECEPTACLE ACCESSIBILITY IS NOT ACHIEVED, GFI PROTECTION SHALL BE PROVIDED VIA GFI BREAKER.
- H. CONDUIT ROUTING SHOWN IS SCHEMATIC ONLY. CONTRACTOR SHALL CONFIRM EXACT ROUTING IN THE FIELD. COORDINATE EXACT REQUIREMENTS WITH STRUCTURAL DRAWINGS.

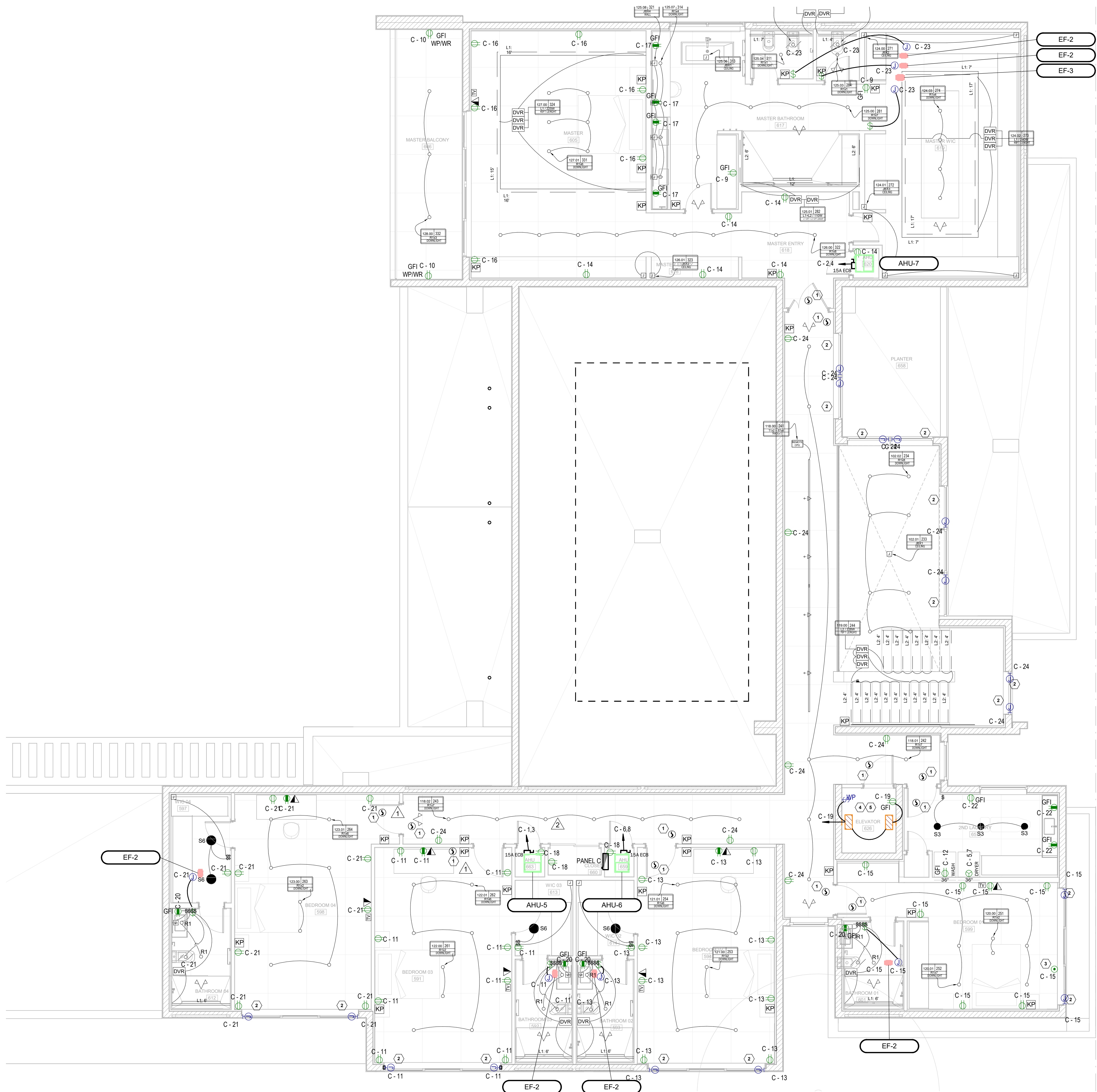
- 1 PROVIDE COMBINATION SMOKE DETECTOR / CARBON MONOXIDE DETECTOR ALARM. ALL DEVICES SHALL BE INTERCONNECTED, SO THAT OPERATION OF ANY SMOKE OR CARBON MONOXIDE ALARM SHALL CAUSE THE ALARM OF ALL ALARMS WITHIN THE DWELLING UNIT TO SOUND (NFPA 101 SECTION 9.6.2.10.3)
- 2 JUNCTION BOX FOR POWER EXTENSION TO MOTORIZED SHADES. COORDINATE EXACT REQUIREMENTS WITH VENDOR.
- 3 WHEN GFI RECEPTACLE ACCESSIBILITY IS NOT ACHIEVED, GFI PROTECTION SHALL BE PROVIDED VIA GFI BREAKER.
- 4 FLOOR RECEPTACLE SHALL BE WITHIN 12" FROM THE GLASS WALL.



	Downlight Recessed Fijo R1
	Downlight Surface S2,S3
	Wall Washer Recessed R4
	Uplight Recessed R3
	Spotlight (Aimed) S7
	Downlight Linear LED R6
	LED Strip L1, L2
	Appliqué S4, S5, S9, S11
	Rail 1000mm, T1, T2, T3
	J BOX
	Wall washer R5
	LED Strip L3
	Downlight Surface Aimable S1
	Wall wash S10
	Wall wash R5



1 FIRST FLOOR PROPOSED PLAN - ELECTRICAL - AREA B
SCALE: 3/16" = 1'-0"



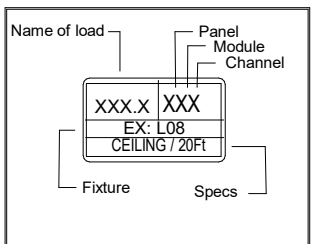
1 SECOND FLOOR PROPOSED PLAN - ELECTRICAL - AREA A
SCALE: 3/16" = 1'-0"

GENERAL NEW WORK NOTES

- A. FURNISH AND INSTALL ALL WIRING AND RACEWAYS TO COMPLETE CIRCUITING AS INDICATED ON THESE DRAWINGS.
- B. COORDINATE EXACT LOCATION AND HEIGHT OF ALL RECEPTACLES AND DEVICES WITH ARCHITECTURAL ELEVATIONS AND DRAWINGS.
- C. FINAL LOCATION OF ALL RECEPTACLES SHALL BE COORDINATED WITH MILLIWORK. REFER TO ARCHITECTURAL DRAWINGS.
- D. ALL ELECTRICAL BOXES TO BE INSTALLED STAGGERED. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
- E. PROVIDE ACCESSIBILITY IN FRONT OF THE SERVICE AS REQUIRED BY NEC 110.26A.
- F. ALL EQUIPMENT INSTALLED OUTSIDE SHALL BE SUITABLE FOR THE LOCATION AS REQUIRED PER NEC.
- G. WHEN GFI RECEPTACLE ACCESSIBILITY IS NOT ACHIEVED, GFI PROTECTION SHALL BE PROVIDED VIA GFI BREAKER.
- H. CONDUIT ROUTING SHOWN IS SCHEMATIC ONLY, CONTRACTOR SHALL CONFIRM EXACT ROUTING IN THE FIELD. COORDINATE EXACT REQUIREMENTS WITH STRUCTURAL DRAWINGS.

LEGEND NOTES

- 1 PROVIDE COMBINATION SMOKE DETECTOR / CARBON MONOXIDE DETECTOR ALARM. ALL DEVICES SHALL BE INTERCONNECTED, SO THAT OPERATION OF ANY SMOKE OR CARBON MONOXIDE ALARM SHALL CAUSE THE ALARM OF ALL ALARMS WITHIN THE DWELLING UNIT TO SOUND (NFPA 101 SECTION 9.6.2.10.3)
- 2 JUNCTION BOX FOR POWER EXTENSION TO MOTORIZED SHADES. COORDINATE EXACT REQUIREMENTS WITH VENDOR.
- 3 FLOOR RECEPTACLE SHALL BE WITHIN 12" FROM THE GLASS WALL.
- 4 PROVIDE A MIN. ILLUMINATION OF 19 FC AT TOP OF SHAFT.
- 5 ELEVATOR PROVIDED WITH UPS FOR EMERGENCY LOWERING.



LIGHTING LEGEND

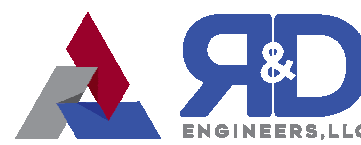
- Downlight Recessed Fijo R1
- Downlight Surface S2,S3
- Wall Washer Recessed R4
- Uplight Recessed R3
- ◁ Spotlight (Aimed) S7
- Downlight Linear Led R6
- LED Strip L1, L2
- ⊕ Appliqué S4, S5, S9, S11
- Rail 1000mm, T1, T2, T3
- J BOX
- ▮ Wall washer R5
- ▮ LED Strip L3
- Downlight Surface Aimable S1
- ▮ Wall wash S10
- ▮ Wall wash R5



MIK ARCHITECTURE LLC
MATIAS DAROCH
ARCHITECT
1385 CORAL WAY, SUITE 202
MIAMI, FLORIDA 33145
305.778.0860
mikarchitect.com



AGD DEVELOPERS LLC
1385 CORAL WAY, SUITE 202
MIAMI, FLORIDA 33145
agdevelopers.com
develop@agdevelopers.com

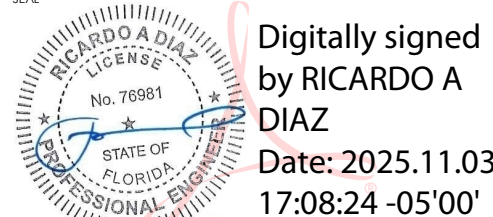


R&D ENGINEERS, LLC
7701 NW 12TH ST, SUITE 207
CORAL GABLES, FLORIDA 33134
305.441.1111
carroll@r-and-d.com

NEW SINGLE FAMILY RESIDENCE
AGD CALISTONE LLC
10840 SW 67 Ave MIAMI, FL 33156

ISSUES	JUN 2024	1ST ISSUED
06.10.25	BLDG DEPT COMMENTS	
09.23.25	FIELD COORDINATION	
10.23.25	OWNER CHANGES	

REVISIONS
2025.512
RV
RD
AS NOTED
37312



RICARDO A. DIAZ
PROFESSIONAL ENGINEER
PE 76981

THIS IS A DIGITALLY SIGNED SHEET. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND ARE SUBJECT TO BE VIEWED ON THE ELECTRONIC COPIES.
THE CONTENT OF THIS SHEET AND ALL OTHER DRAWINGS ISSUED BY THE SET ARE PROTECTED BY U.S. AND INTERNATIONAL COPYRIGHT LAWS. REPRODUCTION OR USE WITHOUT PROPER WRITTEN CONSENT IS PROHIBITED BY LAW. SEE ALSO FOR DETAILS.

SHEET NO.

E-5

PROPOSED SECOND FLOOR
ELECTRICAL PLAN, AREA A



NEW SINGLE FAMILY RESIDENCE
AGD CALISTONE LLC
10840 SW 67 Ave MIAMI, FL 33156

ISSUES	JUN 2024	1ST ISSUED
	06.10.25	BLDG DEPT COMMENTS
	09.23.25	FIELD COORDINATION
	10.23.25	OWNER CHANGES
		
		
		
		
		

R&D Project No.	2025.512
DRAWN BY	RV
CHECKED BY	RD
SCALE	AS NOTED
R&D ENGINEERS REGISTRY No.	37312

SEAL



Digitally signed
by RICARDO A
DIAZ
Date:
2025.11.03
17:08:33 -05'00'
RICARDO A. DIAZ
PROFESSIONAL ENGINEER
PE 76981

THIS IS A DIGITALLY SIGNED SHEET. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE CONTENT OF THIS SHEET AND ALL OTHER DRAWINGS ISSUED IN THIS SET ARE PROTECTED BY U.S. AND INTERNATIONAL COPYRIGHT LAWS. REPRODUCTION OR USE WITHOUT PROPER WRITTEN CONSENT IS PROHIBITED BY LAW. SEE A-001 FOR DETAILS.

GENERAL ELECTRICAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (N.E.C. 2020), 2023 FBC, 2021 NFPA-101, 2021 NFPA-1. ALL MATERIAL SHALL BE NEW AND SHALL BEAR THE U.L. LABEL WHERE APPLICABLE.
2. CONTRACTOR SHALL MAKE ALL NECESSARY CUTTING AND DO ALL THE REPATCHING AS NECESSARY FOR THE PROPER EXECUTION OF THIS WORK.
3. AFTER COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL TEST FREE FROM SHORT CIRCUITS AND GROUNDS.
4. WHERE ELECTRICAL CONDUCTORS ARE INSTALLED IN CONDUIT, THE CONDUIT SHALL COMPLY WITH THE N.E.C. REQUIREMENTS.
5. ALL CONDUCTORS SHALL BE COPPER. NO CONDUCTOR SHALL BE SMALLER THAN #12 AWG AND SHALL BE RATED FOR 600 VOLTS THWN OR THHN INSULATION. INSTALL A GROUNDING CONDUCTOR WITH ALL CIRCUITS, UNLESS NOTED OTHERWISE, SIZED PER N.E.C. 250-122.
6. VERIFY BREAKER AND CORRESPONDING WIRE SIZES FOR ALL ELECTRICAL EQUIPMENT. DO NOT ORDER MATERIAL BEFORE VERIFYING BREAKER AND WIRE SIZE. REPORT ANY DISCREPANCY IMMEDIATELY TO THE ENGINEER OF RECORD.
7. VERIFY AVAILABLE INTERRUPTING CURRENT (AIC) WITH POWER COMPANY. EQUIPMENT AIC RATING MUST BE LARGER THAN THE POWER COMPANY AIC.
8. SAFETY SWITCHES SHALL BE SQUARE 'D', GENERAL ELECTRIC, OR WESTINGHOUSE, FUSED OR NON-FUSED AND SIZED AS INDICATED, NEMA 3R WHEN EXPOSED TO WEATHER.
9. PANELS SHALL BE SQUARE 'D', GENERAL ELECTRIC OR EQUAL, TYPE AND NUMBER OF BREAKERS AS INDICATED ON PANEL SCHEDULE. STENCIL PANEL DESIGNATION ON INSIDE OF PANEL. ALL TWO-POLE BREAKERS SHALL BE COMMON TRIP. PROVIDE TYPE WRITTEN SCHEDULE IN EACH LOAD CENTER. CONNECTION TO MAIN BUS SHALL BE WITH BURNDY ANNULAR COMPRESSION LUGS.
10. ALL EXTERIOR ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO COMPLY WITH LOCAL CODE FOR WIND RESISTANCE.
11. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
12. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY THE OWNER.
13. LOAD DATA IS BASED ON INFORMATION GIVEN ENGINEER AT TIME OF DESIGN. VERIFY ALL EQUIPMENT AND PANEL SIZES BEFORE ORDERING AND BEFORE INSTALLATION.
14. ALL ELECTRICAL AND COMMUNICATIONS OUTLETS TO BE AT 15" A.F.F. TO BOTTOM OF OUTLET UNLESS OTHERWISE NOTED, ALL LIGHT SWITCHES SHALL BE @ 42" A.F.F. TO BOTTOM OF SWITCH.
15. SERVICE MUST BE 3' ABOVE MSL, VERIFY AT SITE.
16. CONTRACTOR MUST VISIT THE SITE PRIOR TO BID OR CONSTRUCTION TO VERIFY ALL EXISTING CONDITIONS.
17. WHEN NEW ELECTRIC SERVICE IS BEING INSTALLED, IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH FPL/FPL ENGINEERS ON THE SIZE OF THE FPL TRANSFORMER THAT IS REQUIRED TO PROVIDE THE NEW ELECTRIC SERVICE SHOWN ON ELECTRIC PLANS. GC HAS TO INFORM THE OWNER ABOUT ANY EXTRA FPL CHARGES THAT MIGHT OCCUR IN ORDER TO PULL NEW SERVICE. THIS HAS TO BE DONE AS EARLY AS POSSIBLE DURING THE BIDDING PROCESS.
18. INSTALL 4 CONDUCTORS FOR ALL COOKING UNITS AND DRYERS TO COMPLY WITH NEC 250.140.
19. MEANS SHALL BE PROVIDED TO SIMULTANEOUSLY DISCONNECT EACH APPLIANCE FROM ALL UNGROUNDED CONDUCTORS PER NEC 422.30. (INCLUDING INSTANT WATER HEATER)
20. LIGHT FIXTURES IN RETURN AIR PLENUMS SHALL BE PLENUM RATED.
21. WIRING, BOXES AND EQUIPMENT IN RETURN AIR PLENUMS SHALL BE PLENUM RATED.
22. ALL AV EQUIPMENT IN PLENUM MECHANICAL ROOMS SHALL BE PLENUM RATED.

NOTES:
ALL NEW EXTERIOR RECEPTACLES TO BE RECESSED.

PER N.E.C. 2020 406.9
ALL NEW RECEPTACLES IN DAMP LOCATIONS INDICATED AS WEATHERPROOF ON PLAN (WP) SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHETHER OR NOT THE ATTACHMENT PLUG CAP IS INSERTED.
ALL NEW RECEPTACLES IN WET LOCATIONS INDICATED AS WEATHER-RESISTANT ON PLAN (WR) SHALL HAVE AN ENCLOSURE THAT IS WEATHER-PROOF WHETHER OR NOT THE ATTACHMENT PLUG CAP IS INSERTED. NONLOCKING RECEPTACLES SHALL BE LISTED WEATHER-RESISTANT TYPE.

PER N.E.C. 2020 406.12 ALL NEW 120V, 15A AND 20A RECEPTACLES INSTALLED IN ALL AREAS (KITCHEN, FAMILY ROOM, DINING ROOM, LIVING ROOM, PARLOR, LIBRARY, DEN AND RECREATION ROOM) SHALL BE LISTED TAMPER RESISTANT RECEPTACLES.

PER FLORIDA BUILDING CODE 2023 ENERGY CONSERVATION:

SECTION 404

ELECTRICAL POWER AND LIGHTING SYSTEMS

404.1 NOT LESS THAN 90 PERCENT OF THE LAMPS IN PERMANENTLY INSTALLED LUMINAIRES SHALL HAVE AN EFFICACY OF AT LEAST 45 LUMENS-PER-WATT OR SHALL UTILIZE LAMPS WITH AN EFFICACY OF NOT LESS THAN 65 LUMENS-PER-WATT.

ELECTRICAL CODE NOTES:

THESE NOTES TAKE PRECEDENCE IF THERE IS ANY DISCREPANCY WITH THE PLANS.

ALL BATHROOMS, GARAGES, EXTERIOR RECEPTACLES, KITCHEN APPLIANCE CIRCUITS, DINING ROOM RECEPTACLES, AND BREAKFAST ROOM TO BE ON 20 AMP BREAKERS.

ALL 120V THROUGH 250V RECEPTACLES IN BATHROOMS, GARAGES, EXTERIOR RECEPTACLES, KITCHEN RECEPTACLES, SHALL HAVE GROUND FAULT CURRENT INTERRUPTER (GFCI) PROTECTION .

ALL EXTERIOR RECEPTACLES TO BE WEATHER RESISTAN WITH WEATHER PROOF ENCLOSURE WHILE IN USE.

ALL 15 AMP AND 20 AMP 120V ELECTRICAL CIRCUITS SHALL HAVE ARC FAULT CURRENT INTERRUPTER BREAKERS. (RECEPTACLES, LIGHTS, SWITCHES, FANS, SMOKE DETECTORS).

SMOKE DETECTORS TO BE HARD WIRED 110V WITH BATTERY BACKUP AND ON KITCHEN OR BATHROOM LIGHTING CIRCUITS. INTERCONNECTED AHEAD OF SWITCHES. ALL SMOKE DETECTORS SHALL BE MOUNTED AT THE HIGHEST POINT OF THE CEILING PER ROOM.

DO NOT MOUNT SMOKE DETECTORS WITHIN 3 FEET OF BATHROOM DOOR OR HVAC DIFFUSERS OR TIP OF FAN BLADE.

ALL RECEPTACLES TO BE TAMPER RESISTANT PER NEC 2017 406.12.

SMOKE DETECTORS WITHIN 20FT HORIZONTAL PATH OF COOKING APPLIANCES SHALL BE EQUIPPED WITH ALARM SILENCING MEANS OR BE PHOTOELECTRIC TYPE.

MORE THAN 12 INTERCONNECTED SMOKE DETECTORS ARE REQUIRED TO BE SUPERVISED (ALARM COMPANY MUST BE CONTRACTED FOR MONITORING).

ESSENTIAL SWITCHES AND CONTROLS TO BE LOCATED BETWEEN 42" AND 52" FROM THE FLOOR AS PER THE STATE ACCESSIBILITY CODE.

ALL RECEPTACLES TO BE @ 15" A F.F. TO BOTTOM OF RECEPTACLE UNLESS NOTED OTHERWISE OR ABOVE COUNTER.

ALLOWED LUMINAIRES IN CLOTH CLOSETS:

SURFACE MOUNTED OR RECESSED (FIXTURE) WITH A COMPLETELY ENCLOSED LAMP.

PER FLORIDA BUILDING CODE 2023 ENERGY CONSERVATION:

405.7.3 VOLTAGE DROP.

405.7.3.1 FEEDERS AND CUSTOMER OWNED SERVICE CONDUCTORS. FEEDER AND CUSTOMER OWNED SERVICE CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 2 PERCENT AT DESIGN LOAD.
405.7.3.2 BRANCH CIRCUITS. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 3 PERCENT AT DESIGN LOAD.

405.7.4 COMPLETION REQUIREMENTS.

405.7.4.1 DRAWINGS. CONSTRUCTION DOCUMENTS SHALL REQUIRE THAT WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING:

1. A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND
2. FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.

405.7.4.2 MANUALS. CONSTRUCTION DOCUMENTS SHALL REQUIRE THAT AN OPERATING MANUAL AND MAINTENANCE MANUAL BE PROVIDED TO THE BUILDING OWNER. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:
1. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
2. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
3. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
NOTE: ENFORCEMENT AGENCIES SHOULD ONLY CHECK TO BE SURE THAT THE CONSTRUCTION DOCUMENTS REQUIRE THIS INFORMATION TO BE TRANSMITTED TO THE OWNER AND SHOULD NOT EXPECT COPIES OF ANY OF THE MATERIALS.

405.3 TANDEM WIRING :

LUMINAIRES DESIGNED FOR USE WITH ONE OR THREE LINEAR FLUORESCENT LAMPS GREATER THAN 30 W EACH SHALL BE TANDEM WIRED WHEN TWO OR MORE LUMINAIRES ARE IN THE SAME SPACE AND ON THE SAME CONTROL DEVICE.

1. RECESSED LUMINAIRES MORE THAN 10 FEET APART MEASURED CENTER TO CENTER.
2. SURFACE-MOUNTED OR PENDANT LUMINAIRES THAT ARE NOT CONTINUOUS.
3. LUMINAIRES USING THREE-LAMP HIGH-FREQUENCY ELECTRONIC OR THREE-LAMP ELECTROMAGNETIC BALLASTS.
4. RECESSED LUMINAIRES MORE THAN 10 FEET APART MEASURED CENTER TO CENTER.
29. Space
21. Space
23. Space
25. Space
27. Space
29. Space
31. Space
33. Space
35. Space
37. Space
39. Space
41. Space

BRANCH CIRCUIT VOLTAGE DROP MAXIMUM 3% PER 2023 FBC

CIRCUIT LOAD IN AMPS	WIRE SIZE COPPER	MAXIMUM LENGTH IN FEET
5 AMPS OR LESS	#12 AWG	180
6 AMPS	#12 AWG	150
7 AMPS	#12 AWG	130
8 AMPS	#12 AWG	115
9 AMPS	#12 AWG	100
10 AMPS	#12 AWG	90
11 AMPS	#12 AWG	83
12 AMPS	#12 AWG	75
13 AMPS	#12 AWG	70
14 AMPS	#12 AWG	65
15 AMPS	#12 AWG	60
16 AMPS	#12 AWG	57
17 AMPS	#12 AWG	54
18 AMPS	#12 AWG	51
19 AMPS	#12 AWG	48
20 AMPS	#12 AWG	45

Branch Panel: PANEL DP

Location: HOUSE EQUIPMENT AREA
Supply From: FPL
Mounting: Surface
Enclosure: Type 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 32,000 A
Mains Type: MCB
Mains Rating: 600 A
MCB Rating: 600 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT
1	PANEL A	200 A	2	23540...	57576...	2	400 A	PANEL B (VIA ATS)	2
3	--	--	--	--	22340...	46798...	--	--	4
5	PANEL P	200 A	2	16339...	5750 VA	2	60 A	CAR CHARGER	6
7	--	--	--	--	16400...	5750 VA	--	--	8
9	Space	--	1	--	--	1	--	Space	10
11	Space	--	1	--	--	1	--	Space	12
13	Space	--	1	--	--	1	--	Space	14
15	Space	--	1	--	--	1	--	Space	16
17	Space	--	1	--	--	1	--	Space	18
19	Space	--	1	--	--	1	--	Space	20
21	Space	--	1	--	--	1	--	Space	22
23	Space	--	1	--	--	1	--	Space	24
25	Space	--	1	--	--	1	--	Space	26
27	Space	--	1	--	--	1	--	Space	28
29	Space	--	1	--	--	1	--	Space	30
31	Space	--	1	--	--	1	--	Space	32
33	Space	--	1	--	--	1	--	Space	34
35	Space	--	1	--	--	1	--	Space	36
37	Space	--	1	--	--	1	--	Space	38
39	Space	--	1	--	0 VA	2	30 A	TVSS	40
41	Space	--	1	--	0 VA	--	--	--	42
Total Load:		103205 VA		91288 VA					
Total Amps:		860 A		761 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Appliance - Dwelling Unit	33724 VA	75.00%	25293 VA	
HVAC	42480 VA	100.00%	42480 VA	Total Conn. Load: 194493 VA
Power	0 VA	0.00%	0 VA	Total Est. Demand: 128419 VA
Lighting	0 VA	0.00%	0 VA	Total Conn.: 810 A
Lighting - Dwelling Unit	86889 VA	37.24%	32361 VA	Total Est. Demand: 535 A
Large Appliance - Dwelling Unit	22500 VA	100.00%	22500 VA	
Cooking appliance - 3.5 kW to 8.75 kW	8900 VA	65.00%	5785 VA	

Notes:

Branch Panel: P

Location: POOL EQUIPMET ROOM
Supply From: PANEL DP
Mounting: Surface
Enclosure: NEMA-3R

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 22,000A
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT
1	POOL HEATER	60 A	2	5000 VA	5000 VA	2	60 A	POOL PANEL	2
3	--	--	--	--	5000 VA	5000 VA	--	--	4
5	GUEST ROOM RCPT	15 A	1	0 VA	39 VA	1	15 A	GUEST FAMILY RCPT	6
7	GUEST FAMILY RCPT	20 A	1	0 VA	1500 VA	1	20 A	BBQ RCPT GFI	8
9	GAS IGNT BBQ AREA GFI	20 A	1	900 VA	500 VA	1	20 A	EXTERIOR RCPT	10
11	ODU-1	20 A	2	1300 VA	700 VA	2	15 A	AHU-1	12
13	--	--	--	1200 VA	700 VA	--	--	--	14
15	WATER HEATER	30 A	2	1500 VA	1400 VA	1	20 A	GUEST BATHROOM/CABANA RCPT	16
17	--	--	--	1500 VA	1400 VA	2	20 A	IRRIGATION PUMP	18
19	Space	--	1	--	--	1	--	Space	20
21	Space	--	1	--	--	1	--	Space	22
23	Space	--	1	--	--	1	--	Space	24
25	Space	--	1	--	--	1	--	Space	26
27	Space	--	1	--	--	1	--	Space	28
29	Space	--	1	--	--	1	--	Space	30
31	Space	--	1	--	--	1	--	Space	32
33	Space	--	1	--	--	1	--	Space	34
35	Space	--	1	--	--	1	--	Space	36
37	Space	--	1	--	--	1	--	Space	38
39	Space	--	1	--	0 VA	2	30 A	TVSS	40
41	Space	--	1	--	0 VA	--	--	--	42
Total Load:		16339 VA		16400 VA					
Total Amps:		136 A		137 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Appliance - Dwelling Unit	6700 VA	100.00%	6700 VA	
HVAC	4000 VA	100.00%	4000 VA	Total Conn. Load: 32739 VA
Lighting - Dwelling Unit	22039 VA	43.85%	9664 VA	Total Est. Demand: 20364 VA
				Total Conn.: 136 A
				Total Est. Demand: 85 A

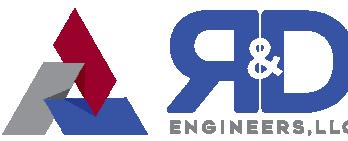
Notes:



MIK ARCHITECTURE LLC
MATIAS DAROCH
AIA-10480
1985 CORAL WAY, SUITE 200
MIAMI, FLORIDA 33145
305.768.9880
info@mikarch.com



AGD DEVELOPERS LLC
1985 CORAL WAY, SUITE 200
MIAMI, FLORIDA 33145
305.768.9880
dev@agdpri.com



R&D ENGINEERS LLC
770 NW 120th St, Suite 207
CORAL, FLORIDA 33066
305.438.8888
coral@r-engineers.com

NEW SINGLE FAMILY RESIDENCE
AGD CAULSTONE LLC
10840 SW 67 Ave MIAMI, FL 33156

ISSUES
JUN 2024
137 ISSUES
06.10.25 BLDG DEPT COMMENTS
09.23.25 FIELD COORDINATION
10.23.25 OWNER CHANGES

READ PROJECT NO.

2025.512

DRAWN BY

RV

CHECKED BY

RD

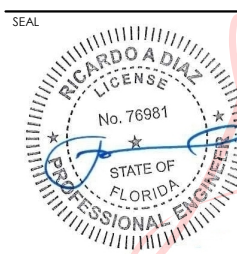
SCALE

AS NOTED

READ INCHES

37312

SEAL



Digitally signed
by RICARDO A
DIAZ
Date:
2025.11.03
17:08:45 -05'00'
RICARDO A. DIAZ
PROFESSIONAL ENGINEER
PE 76981

THIS IS A DIGITALLY SIGNED SHEET. PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON
THE ORIGINAL DOCUMENT.

THE CONTENT OF THIS SHEET AND ALL OTHER DRAWINGS ISSUED BY THE SET ARE
PROTECTED BY U.S. AND INTERNATIONAL COPYRIGHT LAWS. REPRODUCTION OR
USE WITHOUT PROPER WRITTEN CONSENT IS PROHIBITED BY LAW. SEE ALSO FOR
DETAILS.

SHEET NO.

E-7

ELECTRICAL SCHEDULES AND NOTES

Branch Panel: A

Location: GARAGE

Supply From: PANEL DP

Mounting: Recessed

Enclosure: NEMA-1

Volts: 120/240 Single

Phases: 1

Wires: 3

A.I.C. Rating: 22,000 A

Mains Type: MLO

Mains Rating: 200 A

MCB Rating: N/A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	ELEV POWER	30 A	2	2250 VA	3550 VA	2	50 A	ODU-3	2	
3	---	---	---	---	2200 VA	3550 VA	---	---	4	
5	SPEED OVEN / MICROWAVE	20 A	2	1750 VA	700 VA	2	15 A	AHU-3	6	
7	---	---	---	---	1750 VA	700 VA	---	---	8	
9	AHU-2	15 A	2	700 VA	700 VA	2	15 A	AHU-4	10	
11	---	---	---	---	700 VA	700 VA	---	---	12	
13	ODU-2	50 A	2	3550 VA	1200 VA	1	20 A	1ST FL WASHER	14	
15	---	---	---	---	3550 VA	500 VA	1	20 A	GYM EQUIPMENT	16
17	ODU-4	40 A	2	2940 VA	0 VA	1	20 A	BBQ RCPT	18	
19	---	---	---	---	2940 VA	2500 VA	2	30 A	1ST FL DRYER GFI	20
21	---	---	---	---	2500 VA	---	---	---	22	
23	GYM EQUIPMENT	20 A	1	---	500 VA	2700 VA	2	30 A	OVEN	24
25	SAUNA	20 A	1	1000 VA	2700 VA	---	---	---	26	
27	Space	---	1	---	---	---	---	Space	28	
29	Space	---	1	---	---	1	---	Space	30	
31	Space	---	1	---	---	1	---	Space	32	
33	Space	---	1	---	---	1	---	Space	34	
35	Space	---	1	---	---	1	---	Space	36	
37	Space	---	1	---	---	1	---	Space	38	
39	Space	---	1	---	0 VA	2	30 A	TVSS	40	
41	Space	---	1	---	0 VA	---	---	---	42	
Total Load:				23540 VA	22340 VA					
Total Amps:				196 A	186 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Appliance - Dwelling Unit	6700 VA	75.00%	5025 VA	
HVAC	24280 VA	100.00%	24280 VA	Total Conn. Load: 45880 VA
Lighting - Dwelling Unit	0 VA	0.00%	0 VA	Total Est. Demand: 41090 VA
Large Appliance - Dwelling Unit	6000 VA	100.00%	6000 VA	Total Conn.: 191 A
Cooking appliance - 3.5 kW to 8.75 kW	8900 VA	65.00%	5785 VA	Total Est. Demand: 171 A

Notes:

Branch Panel: C											
Location: CLOSET				Volts: 120/240 Single				A.I.C. Rating: 22,000 A			
Supply From: B				Phases: 1				Mains Type: MLO			
Mounting: Recessed				Wires: 3				Mains Rating: 200 A			
Enclosure: NEMA-1								MCB Rating: N/A			
Notes:											
CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	AHU-5	15 A	2	700 VA	700 VA			2	15 A	AHU-7	2
3	--	--	--			700 VA	700 VA	--	--	--	4
5	2ND FL DRYER GFI	30 A	2	2500 VA	700 VA			2	15 A	AHU-6	6
7	--	--	--			2500 VA	700 VA	--	--	--	8
9	MASTER BATHROOM RCPT	20 A	1	0 VA	500 VA			1	20 A	BALCONY RCPT	10
11	BEDROOM 03 RCPT	15 A	1			7207 VA	1200 VA	1	20 A	2ND FL WASHER	12
13	BEDROOM 02 RCPT	15 A	1	0 VA	0 VA			1	15 A	MASTER ENTRY RCPT	14
15	BEDROOM 01 RCPT	15 A	1			0 VA	0 VA	1	15 A	MASTER BEDROOM & BALCONY RCPT	16
17	MASTER BATHROOM RCPT	20 A	1	0 VA	0 VA			1	20 A	CLOSET/AHU RCPT	18
19	ELEVATOR LTS & RCPT	20 A	1			292 VA	0 VA	1	20 A	BATHROOM 02 & 03 RCPT	20
21	BEDROOM 04 RCPT	15 A	1	7207 VA	1500 VA			1	20 A	2ND LAUNDRY REC	22
23	BATHROOM AND WIC FANS	20 A	1			0 VA	0 VA	1	15 A	CORRIDOR RCPT	24
25	Space	--	1	--	--			1	--	Space	26
27	Space	--	1			--	--	1	--	Space	28
29	Space	--	1	--	--			1	--	Space	30
31	Space	--	1			--	--	1	--	Space	32
33	Space	--	1	--	--			1	--	Space	34
35	Space	--	1			--	--	1	--	Space	36
37	Space	--	1	--	--			1	--	Space	38
39	Space	--	1			--	0 VA	2	30 A	TVSS	40
41	Space	--	1	--	0 VA			--	--	--	42
Total Load:				13807 VA		13299 VA					
Total Amps:				115 A		111 A					
Legend:											
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Appliance - Dwelling Unit		1200 VA		100.00%		1200 VA					
HVAC		4200 VA		100.00%		4200 VA		Total Conn. Load: 27106 VA			
Lighting		0 VA		0.00%		0 VA		Total Est. Demand: 18197 VA			
Lighting - Dwelling Unit		16706 VA		46.67%		7797 VA		Total Conn.: 113 A			
Large Appliance - Dwelling Unit		5000 VA		100.00%		5000 VA		Total Est. Demand: 76 A			
Notes:											

Branch Panel: B									
Location: BEDROOM 03 591				Volts: 120/240 Single				A.I.C. Rating: 22,000 A	
Supply From: PANEL DP				Phases: 1				Mains Type: MLO	
Mounting: Recessed				Wires: 3				Mains Rating: 400 A	
Enclosure: NEMA-1								MCB Rating:	
Notes:									
CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT
1	PANEL C	150 A	2	13807... 1300 VA		2	20 A	ODU-6	2
3	--	--	--		13299... 1300 VA	--	--	--	4
5	ODU-5	40 A	2	1850 VA 1850 VA		2	50 A	ODU-7	6
7	--	--	--		1850 VA 1850 VA	--	--	--	8
9	PANEL D	125 A	2	4357 VA 1500 VA		1	20 A	Duplex swage pump	10
11	--	--	--		4352 VA 1200 VA	1	20 A	SEPTIC TANK CONTROLS	12
13	WH-2	30 A	2	2750 VA 1200 VA		1	20 A	SEPTIC TANK CONTROLS	14
15	--	--	--		2750 VA 0 VA	1	20 A	Space	16
17	SMALL APPLIANCE	20 A	1	1500 VA --		1	--	Space	18
19	SMALL APPLIANCE	20 A	1	-- 1500 VA	-- 1500 VA	1	--	Space	20
21	SMALL APPLIANCE	20 A	1	1500 VA --		1	--	Space	22
23	SMALL APPLIANCE	20 A	1	-- 1500 VA	1500 VA 1000 VA	1	20 A	GARAGE DOOR OPENER	24
25	PANTRY SMALL APPLIANCE	20 A	1	1500 VA 1000 VA		1	20 A	GARAGE DOOR OPENER	26
27	DINNING RM SMALL APPLIANCE	20 A	1	-- 1500 VA	1500 VA 0 VA	1	20 A	WINE DISPLAY	28
29	LAUNDRY RM RCPT	20 A	1	1500 VA 900 VA		1	20 A	RANGE HOOD	30
31	GARAGE RCPT	20 A	1	-- 0 VA	0 VA 500 VA	1	20 A	GAS CONTROL	32
33	FLEX & POWDER ROOM GFI	20 A	1	0 VA 1400 VA		1	20 A	DISHWASHER	34
35	LOBBY / CORRIDOR RCPT	15 A	1	-- 0 VA	0 VA 1400 VA	1	20 A	DISHWASHER	36
37	STUDIO RCPT	15 A	1	0 VA 1200 VA		1	20 A	REF	38
39	FAMILY RM RCPT	15 A	1	-- 0 VA	0 VA 1200 VA	1	20 A	FRZ	40
41	GYM/ MASSAGE RCPT	15 A	1	7281 VA 500 VA		1	20 A	EXTERIOR EXTRANCE RCPT	42
43	FLEX ROOM & WC RCPT	15 A	1	-- 7281 VA	7281 VA --	1	--	Space	44
45	GUEST ROOM & WC RCPT	15 A	1	0 VA 800 VA		1	20 A	PANEL LV-2	46
47	CORRIDOR RCPT	15 A	1	-- 0 VA	0 VA 292 VA	1	20 A	ELEV LTG/RCPT	48
49	GREAT ROOM RCPT	15 A	1	7281 VA 0 VA		1	20 A	PANEL LC-2	50
51	GREAT ROOM COUNTER RCPT	20 A	1	-- 3000 VA	3000 VA 224 VA	1	20 A	EF-4	52
53	EXTERIOR RCPT	20 A	1	600 VA 100 VA		1	20 A	ELEV SUMP PUMP	54
55	PANEL LV-1	20 A	1	-- 800 VA	800 VA 0 VA	1	20 A	GUEST WC & GYM BATHROOM RCPT	56
57	ELEV LTG CONTRLS	20 A	1	900 VA 900 VA		1	20 A	GARBAGE DISPOSAL	58
59	--	--	--	--	--	1	--	Space	60
61	RP-1	20 A	1	100 VA --		1	--	Space	62
63	Space	--	1	-- --	-- --	1	--	Space	64
65	Space	--	1	-- --	-- --	1	--	Space	66
67	Space	--	1	-- --	-- --	1	--	Space	68
69	Space	--	1	-- --	-- --	1	--	Space	70
71	Space	--	1	-- --	-- --	1	--	Space	72
73	Space	--	1	-- --	-- --	1	--	Space	74
75	Space	--	1	-- --	-- --	1	--	Space	76
77	Space	--	1	-- --	-- --	1	--	Space	78
79	Space	--	1	-- --	-- --	1	--	Space	80
81	Space	--	1	-- --	-- --	1	--	Space	82
83	Space	--	1	-- --	-- --	1	--	Space	84
Total Load:				57576 VA	46798 VA				
Total Amps:				480 A	390 A				
Legend:									
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals	
Lighting - Dwelling Unit		64850 VA		38.01%		24648 VA			
Appliance - Dwelling Unit		20324 VA		75.00%		15243 VA		Total Conn. Load: 104374 VA	
Large Appliance - Dwelling Unit		5000 VA		100.00%		5000 VA		Total Est. Demand: 59091 VA	
Cooking appliance - 3.5 kW to 8.75 kW		0 VA		0.00%		0 VA		Total Conn.: 435 A	
HVAC		14200 VA		100.00%		14200 VA		Total Est. Demand: 246 A	
Notes:									

Branch Panel: D

Location: BEDROOM 02 594

Supply From: B

Mounting: Surface

Enclosure: NEMA-1

Volts: 120/240 Single

Phases: 1

Wires: 3

A.I.C. Rating: 22,000 A

Mains Type: MLO

Mains Rating: 125 A

MCB Rating: N/A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	LIGHTING MODULE 1	20 A	1	928 VA	309 VA	298 VA	552 VA	1	20 A	LIGHTING MODULE 2	2
3	LIGHTING MODULE 3	20 A	1					1	20 A	LIGHTING MODULE 4	4
5	LIGHTING MODULE 5	20 A	1	282 VA	430 VA	302 VA	730 VA	1	20 A	LIGHTING MODULE 6	6
7	LIGHTING MODULE 7	20 A	1					1	20 A	LIGHTING MODULE 8	8
9	LIGHTING MODULE 9	20 A	1	412 VA	392 VA			1	20 A	LIGHTING MODULE 10	10
11	LIGHTING MODULE 11	20 A	1			482 VA	524 VA	1	20 A	LIGHTING MODULE 12	12
13	LIGHTING MODULE 13	20 A	1	238 VA	224 VA			1	20 A	LIGHTING MODULE 14	14
15	LIGHTING MODULE 15	20 A	1			796 VA	242 VA	1	20 A	LIGHTING MODULE 16	16
17	LIGHTING MODULE 17	20 A	1	205 VA	937 VA			1	20 A	LIGHTING MODULE 18	18
19	LIGHTING MODULE 19	20 A	1			126 VA	300 VA	1	20 A	LIGHTING MODULE 20	20
21	Space	--	1	--	--			1	--	Space	22
23	Space	--	1			--	--	1	--	Space	24
25	Space	--	1	--	--			1	--	Space	26
27	Space	--	1			--	--	1	--	Space	28
29	Space	--	1	--	--			1	--	Space	30
Total Load:				4357 VA		4352 VA					
Total Amps:				36 A		36 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting - Dwelling Unit	8709 VA	57.39%	4998 VA	
Appliance - Dwelling Unit	0 VA	0.00%	0 VA	Total Conn. Load: 8709 VA
Large Appliance - Dwelling Unit	0 VA	0.00%	0 VA	Total Est. Demand: 4998 VA
Cooking appliance - 3.5 kW to 8.75 kW	0 VA	0.00%	0 VA	Total Conn.: 36 A
HVAC	0 VA	0.00%	0 VA	Total Est. Demand: 21 A

Notes:

SDA - 10840 SW 67							LC PANEL 1		
MODULE 1-3 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
1	ENTRY	L1	72	101.00	111	360	Confirm Note 2 for No. Wiring	(4) TBD (100W)	PHASE
	FOYER	L1	26	102.00	112	130	Confirm Note 2 for No. Wiring	(2) TBD (100W)	PHASE
	1st FLOOR CORRIDOR	T1	4	103.00	113	200	Confirm Note 1 for No. Wiring	REMOTE CPU (S2CPU-BC)	PHASE
	1st FLOOR CORRIDOR	R1	17	103.01	114	238	Confirm Note 1 for No. Wiring	N/A	PHASE
Total Watts Circuit 1							958		
MODULE 2 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
2	POWDER	R1	1	104.00	123	14	Confirm Note 1 for No. Wiring	N/A	PHASE
	POWDER	J2	1	104.01	122	100	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	POWDER	L1	7	104.02	123	35	Confirm Note 2 for No. Wiring	TBD (100W)	PHASE
	GARAGE	S2	8	105.00	124	100	Confirm Note 1 for No. Wiring	N/A	ELV
Total Watts Circuit 2							309		
MODULE 3 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
3	GARAGE	R1	1	105.01	131	14	Confirm Note 1 for No. Wiring	N/A	PHASE
	KITCHEN	J1	2	106.00	132	200	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	KITCHEN	R1	3	106.01	133	42	Confirm Note 1 for No. Wiring	N/A	PHASE
	KITCHEN	R1	3	106.02	134	42	Confirm Note 1 for No. Wiring	N/A	PHASE
Total Watts Circuit 3							298		
MODULE 4 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
4	KITCHEN	R2	5	106.03	141	150	Confirm Note 1 for No. Wiring	N/A	TBAC
	FAMILY ROOM	J1	1	107.00	142	100	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	FAMILY ROOM	L1	52	107.01	143	260	Confirm Note 2 for No. Wiring	(3) TBD (100W)	PHASE
	FAMILY ROOM	R1	3	107.02	144	42	Confirm Note 1 for No. Wiring	N/A	PHASE
Total Watts Circuit 4							552		
MODULE 5 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
5	FAMILY ROOM	R1	6	107.03	151	84	Confirm Note 1 for No. Wiring	N/A	PHASE
	HOUSE EQUIPMENT	S8	2	108.00	152	18	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	BBQ	B4	6	109.00	153	12	Confirm Note 1 for No. Wiring	N/A	PHOTOCELL
	BBQ	R1	12	109.01	154	168	Confirm Note 1 for No. Wiring	N/A	PHASE
Total Watts Circuit 5							282		
MODULE 6 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
6	BBQ	S4	8	109.02	161	192	Confirm Note 1 for No. Wiring	N/A	PHASE
	BBQ	S5	4	109.03	162	80	Confirm Note 1 for No. Wiring	N/A	ELV
	BBQ	S1	9	109.04	163	144	Confirm Note 1 for No. Wiring	N/A	ELV
	GUEST HOUSE	R1	1	110.00	164	14	Confirm Note 1 for No. Wiring	N/A	PHASE
Total Watts Circuit 6							430		
MODULE 7 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
7	GUEST HOUSE	R1	6	110.01	171	84	Confirm Note 1 for No. Wiring	N/A	PHASE
	GUEST HOUSE	J1	1	110.02	172	100	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	POOL EQUIPMENT	S8	2	111.00	173	18	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	GREAT ROOM	T2	2	112.00	174	100	Confirm Note 3 for No. Wiring	REMOTE CPU (S2CPU-BC)	PHASE
Total Watts Circuit 7							302		
MODULE 8 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
8	GREAT ROOM	J1	1	112.01	181	100	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	GREAT ROOM	T4	2	112.02	182	100	Confirm Note 3 for No. Wiring	REMOTE CPU (S2CPU-BC)	PHASE
	GREAT ROOM	L1	53	112.03	183	265	Confirm Note 2 for No. Wiring	(3) TBD (100W)	PHASE
	GREAT ROOM	L1	53	112.04	184	265	Confirm Note 2 for No. Wiring	(3) TBD (100W)	PHASE
Total Watts Circuit 8							730		

3831 W @ 240V = 15.97A

SDA - 10840 SW 67							LC PANEL 2		
MODULE 1-2 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
9	GREAT ROOM	J1	1	112.05	211	100	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	BAR	R1	8	113.00	212	112	Confirm Note 1 for No. Wiring	N/A	PHASE
	BAR	J1	1	113.01	213	100	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	BAR	J1	1	113.02	214	100	Confirm Note 1 for No. Wiring	N/A	ON/OFF
Total Watts Circuit 9							412		
MODULE 2-2 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
10	GYM	R1	9	114.00	221	126	Confirm Note 1 for No. Wiring	N/A	PHASE
	MESSAGE ROOM	R1	6	115.00	222	84	Confirm Note 1 for No. Wiring	N/A	PHASE
	STUDIO	R1	6	116.00	223	84	Confirm Note 1 for No. Wiring	N/A	PHASE
	1st FLOOR CORRIDOR	R3	7	103.02	224	98	Confirm Note 1 for No. Wiring	N/A	PHASE
Total Watts Circuit 10							392		
MODULE 3-2 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
11	BACKYARD	R1	9	117.00	231	126	Confirm Note 1 for No. Wiring	N/A	PHASE
	BACKYARD	S4	6	117.01	232	144	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	FOYER	J1	1	102.01	233	100	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	FOYER	R1	8	102.02	234	112	Confirm Note 1 for No. Wiring	N/A	PHASE
Total Watts Circuit 11							482		
MODULE 4-2 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
12	2nd FLOOR CORRIDOR	T1	2	118.00	241	100	Confirm Note 1 for No. Wiring	REMOTE CPU (S2CPU-BC)	PHASE
	2nd FLOOR CORRIDOR	R1	7	118.01	242	98	Confirm Note 1 for No. Wiring	N/A	PHASE
	2nd FLOOR CORRIDOR	R1	7	118.02	243	98	Confirm Note 1 for No. Wiring	N/A	PHASE
	2nd FLOOR STAIRS	L2	76	119.00	244	228	Confirm Note 2 for No. Wiring	(3) TBD (100W)	PHASE
Total Watts Circuit 12							524		
MODULE 5-2 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
13	BEDROOM 01	R1	2	120.00	251	28	Confirm Note 1 for No. Wiring	N/A	PHASE
	BEDROOM 01	R1	7	120.01	252	98	Confirm Note 1 for No. Wiring	N/A	PHASE
	BEDROOM 02	R1	2	121.00	253	28	Confirm Note 1 for No. Wiring	N/A	PHASE
	BEDROOM 02	R1	6	121.01	254	84	Confirm Note 1 for No. Wiring	N/A	PHASE
Total Watts Circuit 13							238		
MODULE 6-2 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
14	BEDROOM 03	R1	2	122.00	261	28	Confirm Note 1 for No. Wiring	N/A	PHASE
	BEDROOM 03	R1	6	122.01	262	84	Confirm Note 1 for No. Wiring	N/A	PHASE
	BEDROOM 04	R1	2	123.00	263	28	Confirm Note 1 for No. Wiring	N/A	PHASE
	BEDROOM 04	R1	6	123.01	264	84	Confirm Note 1 for No. Wiring	N/A	PHASE
Total Watts Circuit 14							224		
MODULE 7-2 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
15	MASTER WIC	J1	2	124.00	271	200	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	MASTER WIC	J1	3	124.01	272	300	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	MASTER WIC	L1	48	124.02	273	240	Confirm Note 2 for No. Wiring	(3) TBD (100W)	PHASE
	MASTER WIC	R1	4	124.03	274	56	Confirm Note 1 for No. Wiring	N/A	PHASE
Total Watts Circuit 15							796		
MODULE 8-2 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
16	MASTER BATHROOM	R1	7	125.00	281	98	Confirm Note 1 for No. Wiring	N/A	PHASE
	MASTER BATHROOM	L1	22	125.01	282	110	Confirm Note 2 for No. Wiring	(2) TBD (100W)	PHASE
	MASTER BATHROOM	L1	4	125.02	283	20	Confirm Note 2 for No. Wiring	TBD (100W)	PHASE
	MASTER BATHROOM	R1	1	125.03	284	14	Confirm Note 1 for No. Wiring	N/A	PHASE
Total Watts Circuit 16							242		

3310 W @ 240V = 13.79A

SDA - 10840 SW 67							LC PANEL 3		
MODULE 1-3 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
17	MASTER BATHROOM	R1	1	125.04	311	14	Confirm Note 1 for No. Wiring	N/A	PHASE
	MASTER BATHROOM	L1	7	125.05	312	35	Confirm Note 2 for No. Wiring	TBD (100W)	PHASE
	MASTER BATHROOM	J1	1	125.06	313	100	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	MASTER BATHROOM	R1	4	125.07	314	56	Confirm Note 1 for No. Wiring	N/A	PHASE
Total Watts Circuit 17							205		
MODULE 2-3 (LQSE-4AS-120-D) Universal								Drivers	
Circuit module	Zone	Load / Fixture Type	# Fixtures	Load Name	Load #	Wattage	No. Wiring	Driver reference	Lighting Control System
18	MASTER BEDROOM	J2	4	125.08	321	400	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	MASTER ENTRY	R1	8	126.00	322	112	Confirm Note 1 for No. Wiring	N/A	PHASE
	MASTER ENTRY	J1	2	126.01	323	200	Confirm Note 1 for No. Wiring	N/A	ON/OFF
	MASTER BEDROOM	L1	45	127.00	324	225	Confirm Note 2 for No. Wiring	(3) TBD (100W)	PHASE
Total Watts Circuit 18							937		