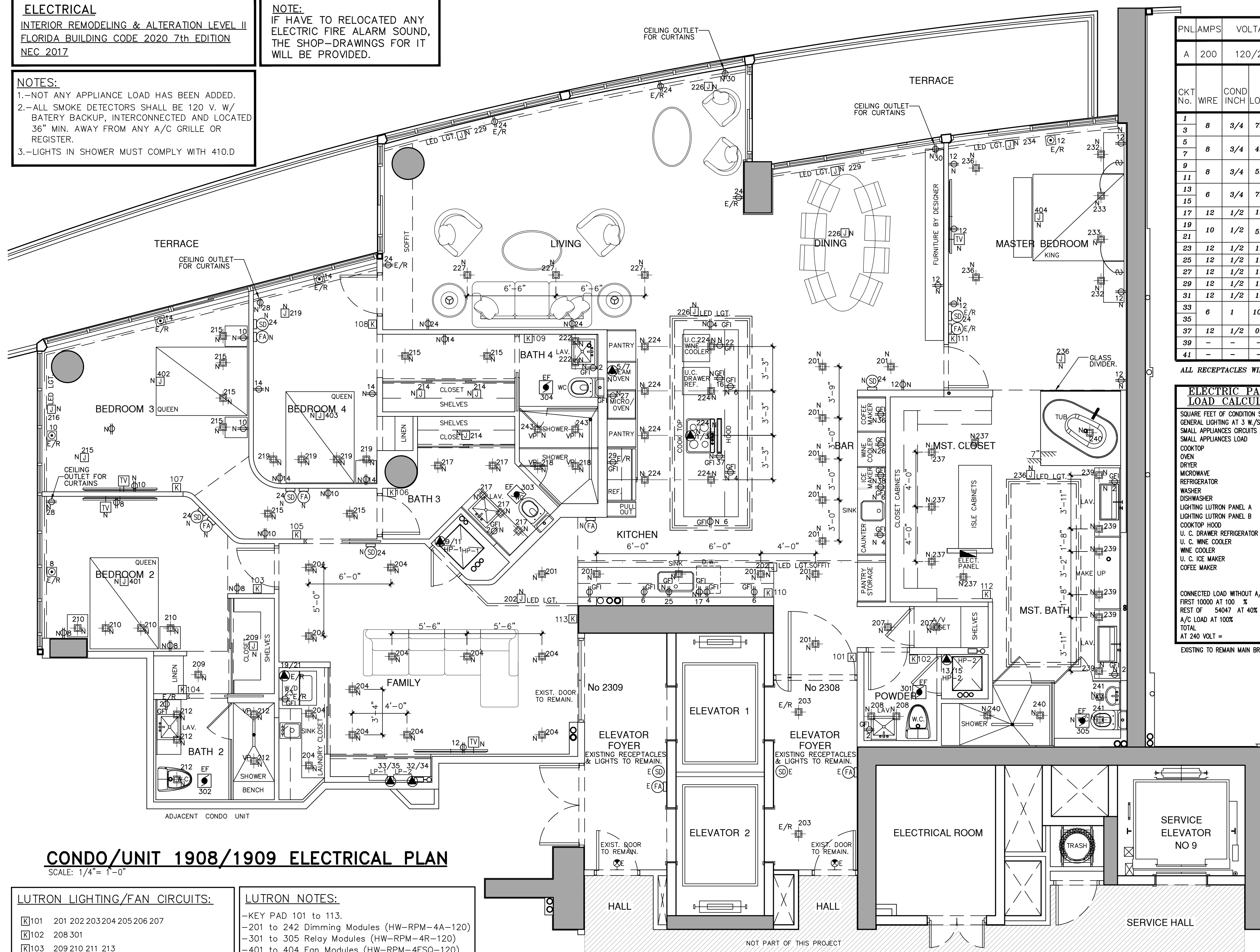


**ELECTRICAL**  
 INTERIOR REMODELING & ALTERATION LEVEL II  
 FLORIDA BUILDING CODE 2020 7th EDITION  
 NEC 2017

**NOTE:**  
 IF HAVE TO RELOCATED ANY  
 ELECTRIC FIRE ALARM SOUND,  
 THE SHOP-DRAWINGS FOR IT  
 WILL BE PROVIDED.

**NOTES:**  
 1.-NOT ANY APPLIANCE LOAD HAS BEEN ADDED.  
 2.-ALL SMOKE DETECTORS SHALL BE 120 V. W/  
 BATTERY BACKUP, INTERCONNECTED AND LOCATED  
 36" MIN. AWAY FROM ANY A/C GRILLE OR  
 REGISTER.  
 3.-LIGHTS IN SHOWER MUST COMPLY WITH 410.D



EXISTING MAIN FEEDER: 3# 3/0 THWN CU, 1# 3 THWN(G) IN 2" Ø COND.

PNL	AMPS	VOLTAGE	CKTS	WIRE	PHASE	MAIN	MOUNT	MANUFACTURER	TYPE				
A	200	120/240	42	3	1	LUGS	FLUSH	SIEMENS OR EQ.	LOAD CENTER				
CKT No.	WIRE	COND INCH	LOAD	POLE	AMPS	DESCRIPTION	CKT No.	WIRE	COND INCH	LOAD	POLE	AMPS	DESCRIPTION
1	8	3/4	7.2	2	40	COOK TOP	2	12	1/2	**	1	20	ALL BATHS RECEPT. AFCI
4	12	1/2	1.5	1	20	SMALL APP. AFCI	4	12	1/2	1.5	1	20	SMALL APP. AFCI
5	8	3/4	4.2	2	40	WALL OVEN	6	12	1/2	1.5	1	20	SMALL APP. AFCI
7	8	3/4	4.2	2	40	WALL OVEN	8	12	1/2	**	1	20	BEDROOM 2 OUTLET AFCI
9	8	3/4	5.4	2	40	HP-1 (EXISTING)	10	12	1/2	**	1	20	BEDROOM 3 OUTLET AFCI
11	8	3/4	5.4	2	40	HP-1 (EXISTING)	12	12	1/2	**	1	20	MST. BEDROOM RECEPT. AFCI
13	6	3/4	7.0	2	60	HP-2 (EXISTING)	14	12	1/2	**	1	20	BEDROOM 4 OUTLET AFCI
15	6	3/4	7.0	2	60	HP-2 (EXISTING)	16	12	1/2	1.0	1	20	U.C. DR. REFRIGERATOR AFCI
17	12	1/2	1.2	1	20	DISHWASHER AFCI	18	12	1/2	**	1	20	LAUNDRY RECEPT. AFCI
19	10	1/2	5.0	2	30	DRYER	20	12	1/2	**	1	20	ELEV. FOYER RECEPT. AFCI
21	12	1/2	1.5	1	20	WASHER AFCI	22	12	1/2	1.5	1	20	U. C. WINE COOLER. AFCI
23	12	1/2	1.5	1	20	WASHER AFCI	24	12	1/2	**	1	20	GREAT ROOM RECEPT. AFCI SD.
25	12	1/2	1.5	1	20	DISPOSAL AFCI	26	12	1/2	1.5	1	20	WINE COOLER. AFCI
27	12	1/2	1.5	1	20	MICRO/OVEN AFCI	28	12	1/2	**	1	20	CURTAINS RECEPT. AFCI
29	12	1/2	1.2	1	20	REFRIGERATOR AFCI	30	12	1/2	**	1	20	CURTAINS RECEPT. AFCI
31	12	1/2	1.5	1	20	AUDIO/VIDEO AFCI	32	12	1/2	1.5	1	20	U. C. WINE COOLER. AFCI
33	6	1	10.4	2	50	LUTRON PANEL 1	34	6	1	10.4	2	50	LUTRON PANEL 2
35	6	1	10.4	2	50	LUTRON PANEL 1	36	12	1/2	1.5	1	20	COFFEE MAKER. AFCI
37	12	1/2	0.9	1	20	COOKTOP HOOD AFCI	38	12	1/2	1.5	1	20	U. C. ICE MAKER. AFCI
39	-	-	-	-	-	SPACE	40	-	-	-	-	-	SPACE
41	-	-	-	-	-	SPACE	42	-	-	-	-	-	SPACE

ALL RECEPTACLES WILL BE NEW AND SHALL BE TAMPER RESISTANT.

**ELECTRIC PANEL LOAD CALCULATIONS**

SQUARE FEET OF CONDITION SPACE	3549
GENERAL LIGHTING AT 3 W./S.F.	10647
SMALL APPLIANCES CIRCUITS	2
SMALL APPLIANCES LOAD	3000
COOKTOP	7200
OVEN	4200
DRYER	5000
MICROWAVE	1500
REFRIGERATOR	1200
WASHER	1500
DISHWASHER	1200
LIGHTING LUTRON PANEL A	10400
LIGHTING LUTRON PANEL B	10400
COOKTOP HOOD	900
U. C. DRAWER REFRIGERATOR	900
U. C. WINE COOLER	1500
WINE COOLER	1500
U. C. ICE MAKER	1500
COFFEE MAKER	1500
CONNECTED LOAD WITHOUT A/C LOAD	64047
FIRST 10000 AT 100 %	10000
REST OF 54047 AT 40%	21619
A/C LOAD AT 100%	12400
TOTAL	44019
AT 240 VOLT =	183.4 A.

EXISTING TO REMAIN MAIN BREAKER = 200 AMPS.

**LEGEND**

- ⊕ ELECTRICAL FLOOR. OUTLET
- ⊕ ELECTRICAL FLOOR OUTLET
- 1-WAY SWITCH
- 3-WAY SWITCH
- WALL MOUNTED LIGHT
- MOTOR
- ⊕ ELECTRICAL OUTLET
- ⊕ ELECTRICAL PANEL
- ⊕ LIGHT RECEPTACLES
- ⊕ ELECT. DISCONNECT
- ⊕ SMOKE DETECTOR AT CEILING
- ⊕ SMOKE DETECTOR AT WALLS
- ⊕ FIRE ALARM (SOUND) AT CEILING
- ⊕ FIRE ALARM (SOUND) AT WALLS
- ⊕ EXHAUST FAN
- ⊕ JUNCTION BOX
- ⊕ RECESS LIGHT ROUND
- ⊕ RECESS LIGHT SQUARE
- ⊕ KEY PAD
- ⊕ EXIT SIGN
- ⊕ DATA-CABLE
- ⊕ TV SET
- ⊕ RECESS 2x16W FLUOR LIGHTS
- ⊕ MOTION SENSOR SWITCH

E DENOTE EXISTING TO REMAIN  
 E/R DENOTE EXISTING TO BE RELOCATED  
 N DENOTE NEW

**CONDO/UNIT 1908/1909 ELECTRICAL PLAN**  
 SCALE: 1/4" = 1'-0"

**LUTRON LIGHTING/FAN CIRCUITS:**

K101	201 202 203 204 205 206 207
K102	208 301
K103	209 210 211 213
K104	212 302
K105	214 215
K106	217 218 303
K107	215 216 402
K108	219 220 221 403
K109	222 304 243
K110	223 224 225 226 227 228 229 230 231
K111	232 233 234 235 236 237 238 239 240 305 404
K112	237 238 239 240 241 242
K113	201 202 204 205 206 207

**LUTRON NOTES:**  
 -KEY PAD 101 to 113.  
 -201 to 242 Dimming Modules (HW-RPM-4A-120)  
 -301 to 305 Relay Modules (HW-RPM-4R-120)  
 -401 to 404 Fan Modules (HW-RPM-4FSQ-120)

**WESTHAVEN**  
 CONSTRUCTION SERVICES, INC.

Westhaven Construction Services, Inc.  
 8254 NW South River Drive, Medley, FL 33166  
 LIC No. CB12358615  
 305-556-1418, Call 305-979-8624  
 archgarcia@gmail.com

**Fine Line Engineers Inc.**  
 Electrical, Mechanical, Plumbing, Fire Protection  
 7600 WEST 20TH AVE SUITE 110, HIALEAH, FLORIDA, 33016  
 E-mail: wlawson@fineengineers.com

**COMBINE TWO UNITS, INTERIOR REMODELING AND FINISHING ON: CONTINUUM SOUTH TOWER No 1908/1909 FOR: JPMIA LLC.**  
 100 South Pointe Drive No 1908/1909, Miami Beach, FL 33139

**JOB No. 2021/05/ROD**

STARTED:	04/20/21
COMPLETED:	05/15/21
REVISION	
No. DESCRIPTION DATE:	

**Fine Line Engineers Inc.**  
 Electrical, Mechanical, Plumbing  
 Fire Protection, Construction Administration  
 7600 W. 20TH AVE Suite #110 Hialeah, FL 33016  
 Voice: 786.953-4901 - Fax: 786.953-4907  
 E-mail: cadinfo@fineengineers.com

GEORGE FREJO, P.E.  
 REGISTERED ENGINEER NO. 32578  
 STATE OF FLORIDA CA# 29798

DATE: \_\_\_\_\_