TYPE: LOAD CENTER OR EQUAL
SERVICE: 1ø, 3W
VOLTAGE: 120/240 V
MOUNTING/LOCATION: FLUSH

PANEL "A"
TYP UNIT 2,3,4,5,6&7

MAIN BUS: 150 A
NEUTRAL: 150 A
MAIN: MLO
AICS: 42 000 (1)

AMPS	POLES	TOTAL V.A.	COND. SIZE	WIRE SIZE	REMARKS	CKT NO.	A	B	CKT NO.	REMARKS	WIRE SIZE	COND. SIZE	TOTAL V.A.	POLES	AMPS	
30	2	5600	3/4	10	AHU#1	1			2	CU#1	10	3/4	4500	2	30	N.C.L.
						3			4							
70	2	13000	1-1/4	4	I.W.H#1	5			6	DRYER	10	3/4	5600	2	30	
						7			8							
(1) ** 20	1	1500	1/2	12	WASHER	9			10	RANGE	6	1	8000	2	50	
20	1	*	1/2	12	REC. GFI BATHS	11			12							
** 20	1	750	1/2	12	REFRIGERATOR	13			14	HOOD	12	1/2	1200	1	20	** (1)
** 20	1	1200	1/2	12	DISHWASHER	15			16	SMALL APPLIANCES	12	1/2	1500	1	20	
15	1	*	1/2	14	GEN. LTS & RECEP.	17			18	SMALL APPLIANCES	12	1/2	1500	1	20	
15	1	*	1/2	14	GEN. LTS & RECEP.	19			20	DISPOSAL	12	1/2	1200	1	20	
15	1	*	1/2	14	GEN. LTS & RECEP.	21			22	GEN. LTS & RECEP.	15	1/2	*	1	14	
15	1	*	1/2	14	GEN. LTS & RECEP.	23			24	GEN. LTS & RECEP.	15	1/2	*	1	14	
–	–	–	–	–	SPACE	25			26	SPACE	–	–	–	–	–	
–	–	–	–	–	SPACE	27			28	SPACE	–	–	–	–	–	
–	–	–	–	–	SPACE	29			30	SPACE	–	–	–	–	–	
–	–	–	–	–	SPACE	31			32	SPACE	–	–	–	–	–	

CONNECTED LOAD: SEE LOAD CALCULATION
* AS PER SQ-FT OF CONDITION SPACE. 3W/SF
N.C.L. NON CONCURRENT LOAD

FEEDER: SEE RISER
FED FROM: SEE RISER

*** ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT NAME PLATE RATING OF THE MOTORS & HEATERS BEFORE INSTALLATION AND INFORM TO THE ELECTRICAL ENGINEER OF ANY DISCREPANCE

(1) ** ARC FAULT CIRCUIT INTERRUPTED PROTECTION

TYPE: LOAD CENTER OR EQUAL
SERVICE: 1ø, 3W
VOLTAGE: 120/240 V
MOUNTING/LOCATION: FLUSH

PANEL "B"
TYP UNIT 1 & 8

MAIN BUS: 150 A
NEUTRAL: 150 A
MAIN: MLO
AICS: 42 000 (1)

AMPS	POLES	TOTAL V.A.	COND. SIZE	WIRE SIZE	REMARKS	CKT NO.	A	B	CKT NO.	REMARKS	WIRE SIZE	COND. SIZE	TOTAL V.A.	POLES	AMPS	
40	2	7600	3/4	8	AHU#2	1			2	CU#2	10	3/4	5300	2	30	N.C.L.
						3			4							
70	2	13000	1-1/4	4	I.W.H#2	5			6	DRYER	10	3/4	5600	2	30	
						7			8							
(1) ** 20	1	1500	1/2	12	WASHER	9			10	RANGE	6	1	8000	2	50	
20	1	*	1/2	12	REC. GFI BATHS	11			12							
** 20	1	750	1/2	12	REFRIGERATOR	13			14	HOOD	12	1/2	1200	1	20	** (1)
** 20	1	1200	1/2	12	DISHWASHER	15			16	SMALL APPLIANCES	12	1/2	1500	1	20	
15	1	*	1/2	14	GEN. LTS & RECEP.	17			18	SMALL APPLIANCES	12	1/2	1500	1	20	
15	1	*	1/2	14	GEN. LTS & RECEP.	19			20	DISPOSAL	12	1/2	1200	1	20	
15	1	*	1/2	14	GEN. LTS & RECEP.	21			22	GEN. LTS & RECEP.	15	1/2	*	1	14	
15	1	*	1/2	14	GEN. LTS & RECEP.	23			24	GEN. LTS & RECEP.	15	1/2	*	1	14	
15	1	*	1/2	14	GEN. LTS & RECEP.	25			26	SPACE	–	–	–	–	–	
–	–	–	–	–	SPACE	27			28	SPACE	–	–	–	–	–	
–	–	–	–	–	SPACE	29			30	SPACE	–	–	–	–	–	
–	–	–	–	–	SPACE	31			32	SPACE	–	–	–	–	–	

CONNECTED LOAD: SEE LOAD CALCULATION
* AS PER SQ-FT OF CONDITION SPACE. 3W/SF
N.C.L. NON CONCURRENT LOAD

FEEDER: SEE RISER
FED FROM: SEE RISER

*** ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT NAME PLATE RATING OF THE MOTORS & HEATERS BEFORE INSTALLATION AND INFORM TO THE ELECTRICAL ENGINEER OF ANY DISCREPANCE

(1) ** ARC FAULT CIRCUIT INTERRUPTED PROTECTION

LOAD CALCULATION	PANEL A (TYP 2,3,4,5,6&7)	PANEL B (TYP 1,8)
SQUARE FEET OF CONDITIONED SPACE	1285	1346
GENERAL LIGHTING AT 3 W.S.F	3855	4038
SMALL APPLIANCES CIRCUITS	2	2
SMALL APPLIANCES LOAD	3000	3000
DRYER	5600	5600
RANGE	8000	8000
REFRIGERATOR	750	750
HOOD	1200	1200
WASHER	1500	1500
DISHWASHER	1200	1200
DISPOSAL	1200	1200
I.W.H#1,#2	13000	13000
CONNECTED LOAD WIHTOUT A/C LOAD	39305	39488
FIRST 10000 AT 100%	10000	10000
REST AT 40%	11722	11795
A/C LOAD AT 100% (HEATERS@ 100%)	5600	7600
TOTAL	27322	29395
AT 240 VOLT	114 AMP	122 AMP

(1) (1)

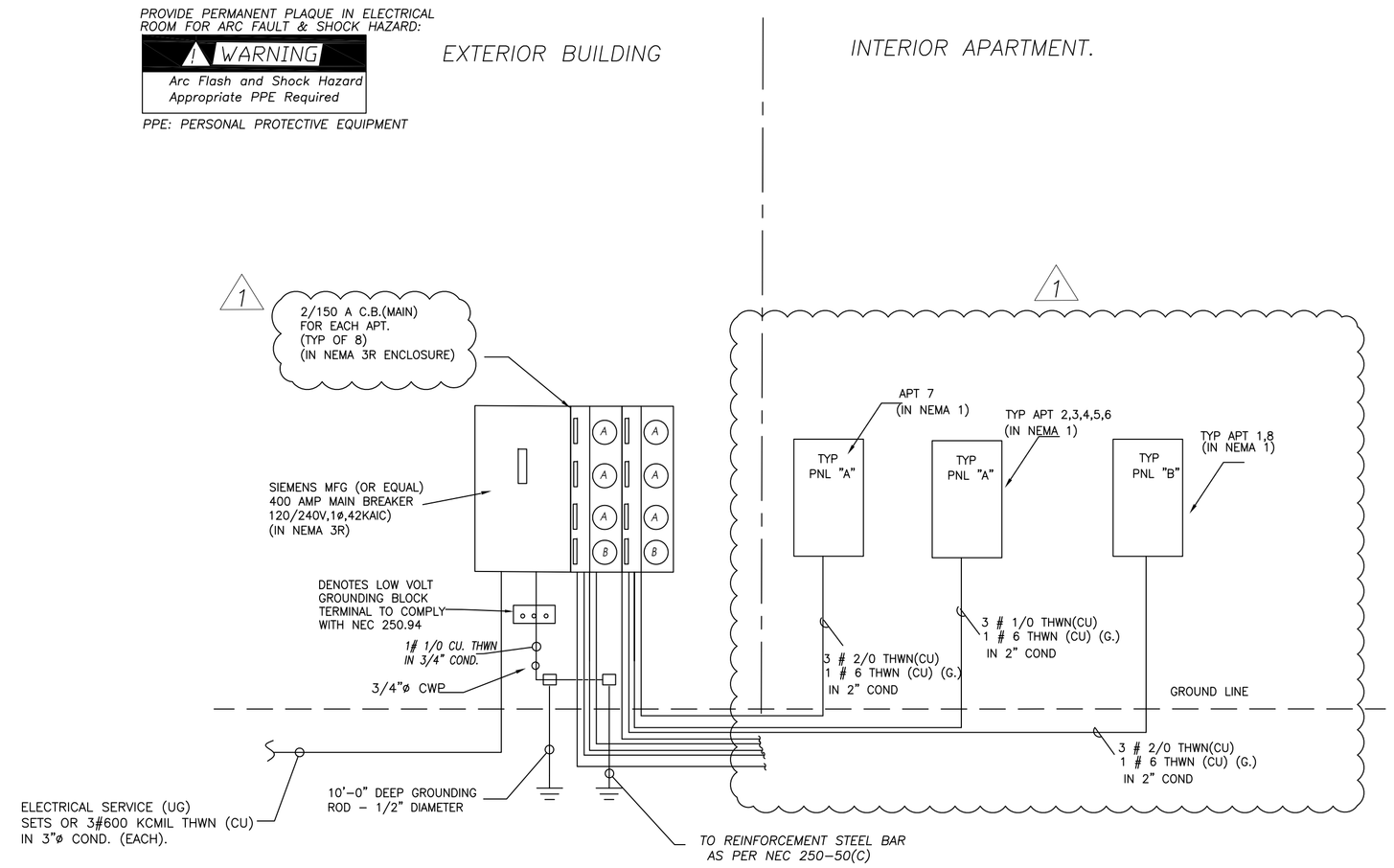
PROVIDE 150 AMP ELECTRICAL SERVICE FOR PNL "A & PNL"B""

ELECTRIC LOAD SUMMARY			
BUILDING-3 ELECTRICAL SERVICE			
APARTMENTS DEMAND LOAD			
TYP PANEL	A	B	TOTAL
CONNECTED LOAD (W)	27178	29251	
NUMBER OF UNITS	6	2	
TOTAL WATTS	163068	58502	
8 APT. CONNECTED LOAD	221570		
FACTOR FROM TABLE 220.84	43%		
BUILDING DEMAND LOAD = VA	95275		
TOTAL AMPS AT 240V,1PH	397		400 AMP

PROVIDE PERMANENT PLAQUE IN ELECTRICAL ROOM FOR ARC FAULT & SHOCK HAZARD:

WARNING
Arc Flash and Shock Hazard
Appropriate PPE Required

PPE: PERSONAL PROTECTIVE EQUIPMENT



ELECTRICAL RISER DIAGRAM
N.T.S.

ELECTRICAL PANELS & RISER
N.T.S

Revisions
(1) 02.01.19 1ST ISSUE
(1) 08.23.19 B.D.C

PROPOSED NEW BLDG#3 (8 UNIT APT COMPLEX)
THE VILLAGES AT MIAMI GARDENS
3400 NW 191st STREET
MIAMI GARDENS, FL. 33056-2936

JCD ARCHITECT, Inc.
JUAN C. DAVID R.A. # 0015344
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Job No.
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STATE OF FLORIDA — JUAN C. DAVID — AR0015344 — REGISTERED ARCHITECT
AA-26001550

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Date: 2019.09.21 16:55:00 -04'00'

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Miami Dade County Permit Office
Permit Number 2019015717
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Expiration Date 04/08/2020
Permit Type BLDG-3 09/25/2019

Notice of any changes not to avoid measurements, etc. as proceed prior to submission of any plans for bid or construction.
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