

TYPE: LOAD CENTER OR EQUAL					PANEL "A"					MAIN BUS: 150 A NEUTRAL: 50 A MAIN: 400 ACS: 42,000				
SERVICE: 14, 3W VOLTAGE: 120/240 V MOUNTING/LOCATION: FLUSH					TYP UNIT 2,3,4,5&6									
AMPS	POLES	TOTAL V.A.	COND. SIZE	WIRE SIZE	REMARKS	CKT NO.	CKT NO.	REMARKS	WIRE SIZE	COND. SIZE	TOTAL V.A.	POLES	AMPS	
30	2	5600	3/4	10	AW#1	1	2	CU#1	10	3/4	4500	2	30	N.C.L.
20	2	13000	1-1/4	4	1W/H#1	3	4	DRYER	10	3/4	5600	2	30	
20	1	1500	1/2	12	WASHER	5	6							
20	1	1500	1/2	12	REC. OF BATHS	7	8							
20	1	750	1/2	12	REFRIGERATOR	9	10	RANGE	6	1	8000	2	50	
20	1	1200	1/2	12	DISHWASHER	11	12							
20	1	1200	1/2	12	GEN. LITS & RECP.	13	14	HOOD	12	1/2	1200	1	20	
15	1	*	1/2	14	GEN. LITS & RECP.	15	16	SMALL APPLIANCES	12	1/2	1500	1	20	
15	1	*	1/2	14	GEN. LITS & RECP.	17	18	DISPOSAL	12	1/2	1200	1	20	
15	1	*	1/2	14	GEN. LITS & RECP.	19	20							
15	1	*	1/2	14	GEN. LITS & RECP.	21	22	GEN. LITS & RECP.	15	1/2	*	1	14	
15	1	*	1/2	14	GEN. LITS & RECP.	23	24	GEN. LITS & RECP.	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 SO-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 DISCREPANCY
** ARC FAULT CIRCUIT INTERRUPTED PROTECTION

LOAD CALCULATION		PANEL A (TYP 2,3,4,5&6)	PANEL B (TYP 1,7)
SQUARE FEET OF CONDITIONED SPACE	1285	1346	
GENERAL LIGHTING AT 3 W/SF	3855	4038	
SMALL APPLIANCES CIRCUITS	2	2	
DRYER	5600	5600	
RANGE	8000	8000	
REFRIGERATOR	750	750	
HOOD	1200	1200	
WASHER	1500	1500	
DISHWASHER	1200	1200	
DISPOSAL	1200	1200	
1W/H#1,#2	13000	13000	
CONNECTED LOAD WITHOUT A/C LOAD	39305	39498	
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	
PROVIDE 150 AMP ELECTRICAL SERVICE FOR PNL "A" & PNL "B"			

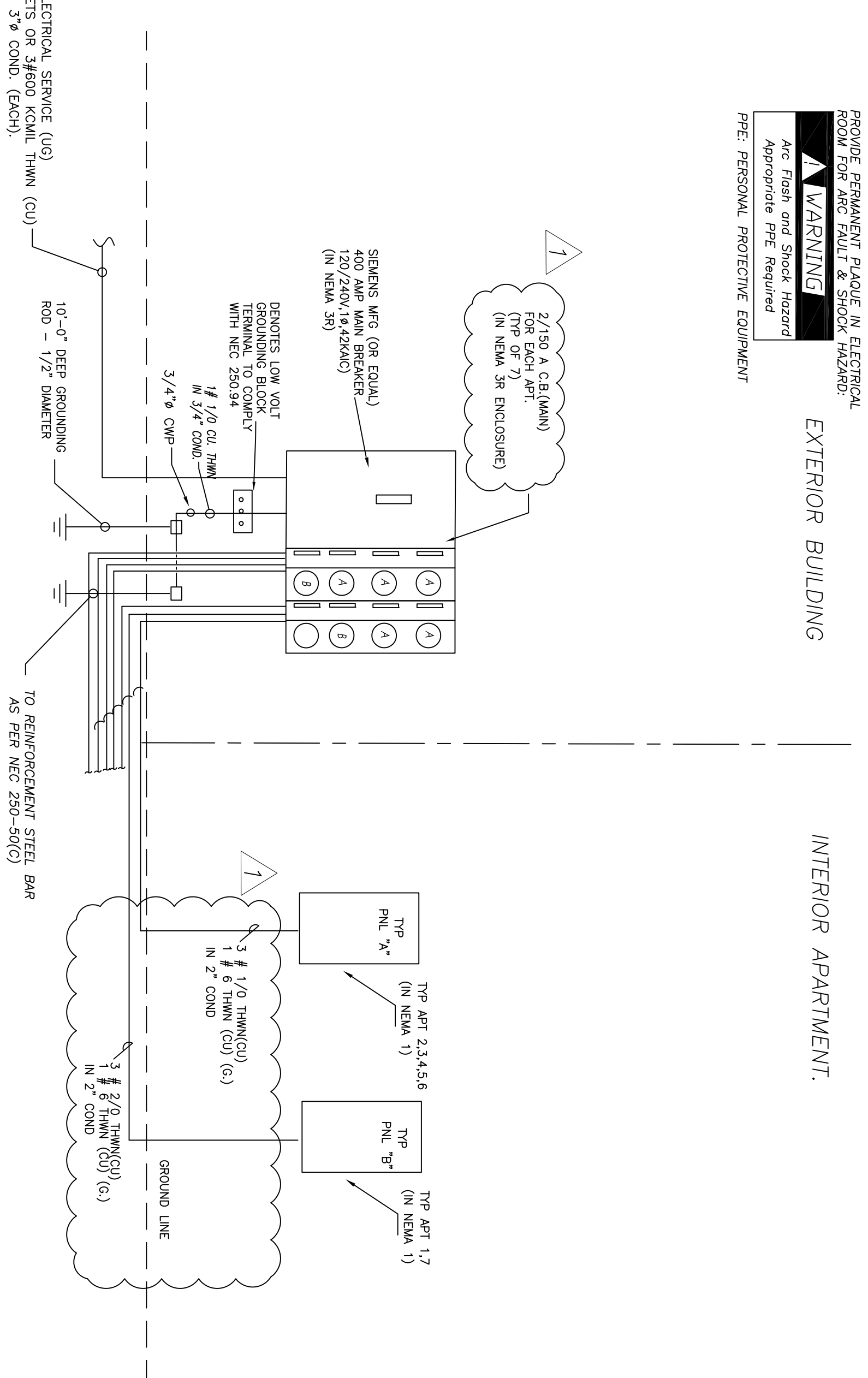
ELECTRIC LOAD SUMMARY			
BUILDING-6 ELECTRICAL SERVICE			
APARTMENTS DEMAND LOAD			
TYP PANEL	A	B	TOTAL
CONNECTED LOAD (W)	27178	29251	
NUMBER OF UNITS	5	2	
TOTAL WATTS	135890	58502	
7 APT. CONNECTED LOAD	194392		
FACTOR FROM TABLE 220.54	44%		
BUILDING DEMAND LOAD = VA	85532		
TOTAL AMPS AT 240V, 1PH	356		400 AMP

TYPE: LOAD CENTER OR EQUAL					PANEL "B"					MAIN BUS: 150 A NEUTRAL: 150 A MAIN: 400 ACS: 42,000				
SERVICE: 14, 3W VOLTAGE: 120/240 V MOUNTING/LOCATION: FLUSH					TYP UNIT 1 & 7									
AMPS	POLES	TOTAL V.A.	COND. SIZE	WIRE SIZE	REMARKS	CKT NO.	CKT NO.	REMARKS	WIRE SIZE	COND. SIZE	TOTAL V.A.	POLES	AMPS	
40	2	7600	3/4	8	AW#2	1	2	CU#2	10	3/4	5300	2	30	N.C.L.
20	2	13000	1-1/4	4	1W/H#2	3	4	DRYER	10	3/4	5600	2	30	
20	1	1500	1/2	12	WASHER	5	6							
20	1	1500	1/2	12	REC. OF BATHS	7	8							
20	1	750	1/2	12	REFRIGERATOR	9	10	RANGE	6	1	8000	2	50	
20	1	1200	1/2	12	DISHWASHER	11	12							
20	1	1200	1/2	12	GEN. LITS & RECP.	13	14	HOOD	12	1/2	1200	1	20	
15	1	*	1/2	14	GEN. LITS & RECP.	15	16	SMALL APPLIANCES	12	1/2	1500	1	20	
15	1	*	1/2	14	GEN. LITS & RECP.	17	18	DISPOSAL	12	1/2	1200	1	20	
15	1	*	1/2	14	GEN. LITS & RECP.	19	20							
15	1	*	1/2	14	GEN. LITS & RECP.	21	22	GEN. LITS & RECP.	15	1/2	*	1	14	
15	1	*	1/2	14	GEN. LITS & RECP.	23	24	GEN. LITS & RECP.	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 SO-FT OF CONDITION SPACE: 3W/SF
N.C.L. NON CONCURRENT LOAD

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ELECTRICAL PANELS & RISER

N.T.S

ELECTRICAL RISER DIAGRAM

N.T.S.

Revisions
02.01.19 1ST ISSUE
08.23.19 B.D.C

PROPOSED NEW BLDG #6 (7 UNITS)
THE VILLAGES AT MIAMI GARDENS
3400 NW 191st STREET
MIAMI GARDENS, FL. 33056-2936

JCD ARCHITECT, Inc.
JUAN C. DAVID R.A. # 0015344
Design & Development
LEED ACCREDITED PROFESSIONAL
Architecture Interiors Planning Construction

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