125 AMP, 1Ø, 3W, 240VOLT 24 SPACES											
KW LOAD	POLE	TRIP	WIRE	SERVING	CKT #	CKT #	SERVING	WIRE	TRIP	POLE	KW LOAD
	1	15	14	SPARE	1	2	MASTER & OTHER BEDRM.	14	15	1	T
	1	15	14	LIVING ROOM	3	4	RECEPTACLES	14	15	1	
	1	15	14	RECEPTACLES	5	6	KITCHEN	12	20	1	4,000
1,500	1	20	12	WASHER	7	8	RECEPTACLES	14	15	1	
1,920	1	15	14	BATHROOM & HALLWAY	9	10	RECEPTACLES	14	15	1	
	1	20	12	RECEPTACLES	11	12	MICROWAVE	12	20	1	1,200
8,000 2	2	30	10	TANKLESS	13	14	RANGE/OVEN	6	50	1	8,000
				17 WINEEOO	15	16					
	2	50	6	AC-A/H	17	18	RECEPTACLES	12	20	1	
					19	20	VANITY GFI OUTLET	14	15	1	1,920
3,400				DRYER	21	22	PANEL 'B'				
					23	24					
							1510 SQ. FT. GENERAL LIGHTING X 3 WATTS/SQ. FT. = 4530				4,530
14,820									\longrightarrow		14,820

CALCULATIONS						
FIRST 10,000 WATTS @ 100% BALANCE @ 40% XISTING AC. HEAT. LOAD @		10,000 9,788 6,500				
20,0	TOTAL	25,520 WATTS				

26,288/240 = 109.5 AMPS DESIGN LOAD FOR PANEL "A" 125 AMP. PANEL IS SUFFICIENT, WIRE SIZE & BREAKERS

TO BE VERIFIED.

NEW ELECTRICAL PANEL 'B' SCHEDULE - ADDITION											
75 AMP, 1Ø, 3W, 240VOLT 20 SPACES											
KW LOAD	POLE	TRIP	WIRE	SERVING	CKT #	CKT #	SERVING	WIRE	TRIP	POLE	KW Load
	1	15	14	MASTER BEDRM. LIGHTS	1	2	MASTER BATHRM. LIGHTS	14	15	1	
	1	15	14	MASTER BEDRM. RECPTCLS.	3	4	MASTER BATHRM. RECPTCLS.	20	12	1	1,920
	1	15	14	CLOSET LIGHTS	5	6	MINI-SPLIT COMP & A/H	14	15	2	1,750
1,920	1	15	14	FLOOD LIGHTS	7	8	WINIT-OF EFF COINT & A/TI	17	10		1,750
1,500	1	20	12	PATIO LIGHTS (REAR YARD)	9	10	(BLANK)				
1,500	1	20	12	TRELLIS LIGHTS (REAR YARD)	11	12	(BLANK)				
				(BLANK)	13	14	(BLANK)				
				(BLANK)	15	16	(BLANK)				
				(BLANK)	17	18	DUEEN DTV 00 TANKI ECC	0	40	2	0.000
				(BLANK)	19	20	RHEEM RTX-08 TANKLESS	8	40	2	8,000
4,920 —										SUB-TOTAI	12,670 > 4,920
										TOTAL	16,590

BATTERY-POWERED SMOKE ALARM THAT IS NEWLY INSTALLED OR REPLACES AN EXISTING BATTERY-POWERED SMOKE ALARM AS A RESULT OF A LEVEL 1 ALTERATION MUST BE

POWERED BY A NONREMOVABLE, NONREPLACEABLE BATTERY THAT POWERS THE ALARM

ALARM SYSTEM; THAT USES A LOW-POWER, RADIO FREQUENCY WIRELESS COMMUNICATION SIGNAL; OR THAT CONTAINS MULTIPLE SENSORS, SUCH AS A SMOKE

FOR AT LEAST 10 YEARS. THE BATTERY REQUIREMENTS OF THIS SECTION DO NOT APPLY TO

APPENDIX K, SECTION K111 ELECTRICAL PROVISIONS, SENTENCE K111.6 SMOKE
ALARM CIRCUITS:SINGLE- AND MULTIPLE- STATION SMOKE ALARMS REQUIRED BY

HIS CODE AND INSTALLED WITH IN DWELLING UNITS SHALL NOT BE CONNECTED AS THE ONLY LOAD ON A BRANCH CIRCUIT. SUCH ALARMS SHALL BE SUPPLIED BY BRANCH CIRCUITS HAVING LIGHTING LOADS CONSISTING OF LIGHTING OUTLETS IN

RESIDENTIAL SMOKE ALARMS

SMOKE ALARMS SHALL BE REQUIRED INSIDE & OUTSIDE OF SLEEPING AREAS. NFPA 101, 2018 FBC EXISTING BLDG. 403.12-SMOKE ALARMS IN ONE/TWO FAMILY/TOWNHOMES

SMOKE ALARMS SHALL BE REQUIRED INSIDE & OUTSIDE OF SLEEPING RICAS. NPPA 101, 2018

ED. CH. 31 EXISTING - SECTION 31.3.4.5.4 SMOKE ALARMS MAY BE BATTERY POWERED.

SECTION 31.3.4.5 PROVIDE SMOKE ALARMS INSIDE THE SLEEPING ROOMS AND ONE IN

APARTMENTS HARDWIRED IN THE "IMMEDIATE VICINITY" TO SLEEPING ROOMS (HALLWAY). FBC

R314.4 INTERCONNECTIVITY: WHERE ONE OR MORE SMOKE ALARMS ARE REQUIRED WITHIN AN

FLORIDA STATUTES 553.883 SMOKE ALARMS IN ONE-FAMILY AND TWO-FAMILY

INDIVIDUAL DWELLING UNIT AS PER R314.3; ALARM DEVICES TO BE INTERCONNECTED SO THAT ACTIVATION OF ONE ACTIVATES ALL TOGETHER. LISTED WIRELESS CONNECTION ALSO

DWELLINGS AND TOWNHOMES.—ONE-FAMILY AND TWO-FAMILY DWELLINGS AND TOWNHOMES UNDERGOING A REPAIR, OR A LEVEL 1 ALTERATION AS DEFINED IN THE

CEILING OR WALL EXPOSING THE STRUCTURE IS NOT TO BE DONE, UNLESS THERE IS AN ATTIC,
CRAWL SPACE OR BASEMENT AVAILABLE.
FLORIDA STATUTES 31.3.4.5.3 REQUIRES THE BATTERY BE LITHIUM 10 YEAR

BATTERY-POWERED SMOKE ALARM SO RESULT OF A LEVEL 1 ALTERATION MUST

NON-REPLACEABLE, NON-REMOVEABLE TYPE.
HARDWIRED CIRCUIT SHALL BE IDENTIFIED WITHIN THE UNIT'S MAIN ELEC. PANEL.

PERMANENT 120V CONNECTION AS THE PRIMARY POWER WITH BATTERY BACKUP.
NFPA 101 CH9 9.6.2.10 - SMOKE DETECTORS MAY BE SINGLE OR MULTIPLE STATION TYPE.

HAVE SMOKE ALARM AT 30' MAX. ALONG TRAVEL DISTANCE. MIN. ONE SMOKE ALARM PER 500 SQ. FT.

ACCEPTED.

EXCEPTION: NOT REQUIRED IN THE REMODEL OF AN EXISTING AREA WHERE REMOVAL OF

RONNEMOVABLE, NONREPLACEABLE BATTERIES IN LIEU OF RETROFITTING SUCH DWELLING

CARBON MONOXIDE DETECTORS (AS A COMBO OR SEPARATE) ALSO REQUIRED WHEN THERE IS
AN ATTACHED GARAGE. 1314.6 INTENDS THAT LEVEL 2 ALTERATIONS OR MORE PROVIDE A

A FIRE ALARM, SMOKE DETECTOR, SMOKE ALARM, OR ANCILLARY COMPONENT THAT IS
ELECTRONICALLY CONNECTED AS A PART OF A CENTRALLY MONITORED OR SUPERVISED

NFPA 101 CH9 SEC 9.6.2.10.5* SMOKE ALARMS AND SMOKE DETECTORS SHALL NOT BE INSTALLED
WITHIN A 36 IN. (910 MM) HORIZONTAL PATH FROM A DOOR TO A BATHROOM CONTAINING A SHOWER
AND IS APPROVED AND LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

UNITED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

AND IS APPROVED AND LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

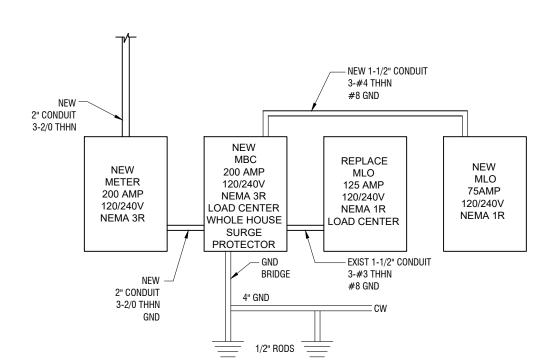
SMOKE DETECTORS SHALL BE LOCATED 36" MIN. FROM ANY BATHROOM OPENING THAT CONTAINS A BATHTUB OR SHOWER 907.2.11.1 & 2.

APPENDIX K, SECTION K111 FI FOTRICAL DROWSOME SETTING.

HABITABLE SPACES.

CA	CALCULATIONS							
FIRST 10,000 WATTS @ 100 BALANCE @ 40%)%	10,000 2,636						
EXISTING AC. HEAT. LOAD @	9 65%	4,500						
	TOTAL	19,536 WATTS						
17,136/240= 71.4 AN 75 AMP. PANEL IS SU TO BE VERIFIED.								

ELECTRICAL LEGEND							
=	DUPLEX RECEPTACLE	$\overline{\nabla}$	SCONCE				
⊖ GFI WP	GROUND FAULT INTERRUPTER WATER PROOF		CEILING MOUNTED LIGHT FIXTURE EXHAUST FAN COMBO				
+	QUADRUPLEX RECEPTACLE		CEILING FAN				
 	44" AFF RECEPTACLE	(CF)	FAN OUTLET				
\rightleftharpoons	1/2 SWITCH - DUPLEX RECEPTACLE		SMOKE ALARM CEILING MOUNT				
\bigoplus	220 VOLTS	(SA)					
\$ \$ \$ ₃ \$ ₄	SPECIAL OUTLET SWITCH	<u></u>	DOORBELL CHIMES				
\$	3 WAY SWITCH	PH	PHONE OUTLET				
\$3 \$4	4 WAY SWITCH	-□< ™	TELEVISION OUTLET				
*	SWITCH ON DIMMER	—⊚ DB	DOOR BELL				
₽	INCANDESCENT LIGHTING SURFACE MOUNTED	Ø	OPT GARAGE DOOR OPENER				
_	INCANDESCENT LIGHTING WALL		ELECT PANEL				
소	MOUNTED	Д	ELECT METER				
\(\rightarrow	RECESSED LIGHTING - HI-HATS, ETC.	P	THERMOSTAT				
∠ŁVP	VAPOR PROOF	SP	SPEAKER				
\sim	VAFON FNOOF	I.C	INTERCOM				
	FLOOD LIGHTS		2'x4' FLUORESCENT LIGHTING				
-<\-\-PC	PULL CHAIN						
ф <u> </u>	FLUORESCENT LIGHTING		LIGHT FIXTURE				
©	MINI- SPOTS		MAKE-UP LIGHTING				
<u></u>	EYEBALL SPOTLIGHT	${ \nabla \nabla \nabla }$	TRACK LIGHTS				
	HEATLAMP	۵ <u>ځ</u>	DISCONNECT				
	ROUND FLUORESCENT	S	DISPOSAL				
		-0	POWER BUTTON				
•	DIRECTIONAL SPOTLIGHT	•	FLOOR OUTLET				



ELECTRICAL SERVICE RISER

SCALE: N.T.S.

ELECTRICAL NOTES

- DO NOT SCALE THE ELECTRICAL DRAWINGS, REFER TO THE ARCHITECTURAL PLANS & ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT AND CONFIRM WITH OWNERS
- MINIMUM WIRE SIZE TO BE #14 A.W.G., EXCLUDING CONTROL WIRING 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 ALLOWING EQUIPMENT/FIXTURES TO BE PLACED IN PROPER WORKING
- ALL MATERIAL SHALL BE NEW AND SHALL BEAR U.L. LABELS WHERE APPLICABLE ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE
- PROGRESS OF CONSTRUCTION ELECTRICAL PANEL TO BE LABELED TO INDICATE CIRCUIT NUMBER AND ITEM BEING SERVED. ARCHITECT TO BE INFORMED OF CHANGES OR DISCREPANCIES, IF ANY.
- SELECTION OF FIXTURES TO BE COORDINATED WITH OWNER 9. SMOKE DETECTORS TO BE HARDWIRED AND INTER. CONNECTED AND ON ARC- FAULT
- 10. ALL BEDROOM CIRCUITS TO BE PROTECTED BY ARC FAULT CIRCUIT INTERUPTORS NEC
- 11. TAMPER-RESISTANT RECEPTACLES SHALL BE INSTALLED AS SPECIFIED IN 406.12(A) THROUGH (C).

EXISTING APPLIANCES AND LIGHTING NOTE:

- 1. ALL APPLIANCES THAT ARE RELOCATED TO REMAIN ON EXISTING ELEC. PANEL, ON THEIR SAME CIRCUIT NUMBERS (WASHER, DRYER, WATER HEATER, RANGE, REFRIGERATOR,
- 2. ALL KITCHEN LIGHTS, COUNTERTOP GFCI RECEPT. TO BE ON EXISTING ELECTRICAL PANEL AS THEY ARE PRESENTLY

