



SITE PLAN METER MAIN LOCATION

SCALE: 1" = 100'

PANEL UNIT A		SQD HOMELINE OR EQUAL	
VOLTAGE 120 / 240 V		1 PHASE	
225A MLO		225A BUS	
CABINET FLUSH		NEMA-1	
RATING 22k		AIC SERIES RATED	
NOTES	REMARKS	CKT BKR	REMARKS
1	FCU-1 (HACR)	60	2 CU-1 (HACR)
1	ELEVATOR	50	2 GAS WH
1	STACKABLE WASHER/DRYER	30	2 1 GFI BATH 3
A	GFI BATH 1	20	1 1 GFI BATH 3
A	GARAGE	20	1 1 GFI BATH 3
A	LIVING ROOM	20	1 1 GFI BATH 3
A	DINING ROOM	20	1 1 GFI BATH 3
A	MASTER BED	20	1 1 GFI BATH 3
A	BEDROOM 1	20	1 1 GFI BATH 3
A	BEDROOM 2	20	1 1 GFI BATH 3
A	BEDROOM 3	20	1 1 GFI BATH 3
A	BEDROOM 4	20	1 1 GFI BATH 3
A	GFI BATH 2	20	1 1 GFI BATH 3
A	DECK	20	1 1 GFI BATH 3
A	SPACE	1 37	2 2 SURGE PROTECTION
A	SPACE	1 39	2 2 SURGE PROTECTION

A - PROVIDE ARC FAULT TYPE CIRCUIT BREAKER.
G - PROVIDE GFI TYPE CIRCUIT BREAKER.
1. BREAKER AND WIRING SHOWN HERE ARE A PLACEHOLDER. FIELD COORDIANTE WITH OWNER PRIOR TO ORDERING AND ROUGH-IN.

DWELLING UNIT CALCULATION	
UNIT 'A'	2,781 SQ. FT.
GENERAL LIGHTING	8,343 VA
SMALL APPLIANCE	3,000 VA
FIXED APPLIANCES AT 100%	
LAUNDRY	1,500 VA
GAS DRYER	500 VA
GAS RANGE	100 VA
MICROHOOD	1,200 VA
WATER HEATER	100 VA
DISHWASHER	1,200 VA
DISPOSAL	800 VA
ELEVATOR	7,200 VA
SPA (GAS)	1,200 VA
SUBTOTAL CONNECTED LOAD =	25,143 VA
SUBTOTAL DEMAND LOAD =	16,057 VA
AIR CONDITIONING & HEATING	
FCU =	7,030 VA
CU (1.5 Ton) =	5,280 VA
FCU =	10,550 VA
CU (2.5 Ton) =	8,790 VA
SUBTOTAL DEMAND LOAD =	31,650 VA
TOTAL DEMAND LOAD =	47,707 VA
SERVICE VOLTAGE	240 V
TOTAL DEMAND AMPS =	199 AMPS

GENERAL ELECTRICAL NOTES

- CONTRACTOR SHALL VERIFY WITH F.P.A. THE LOCATION OF SERVICE AND SHALL LOCATE METER AND PANEL AS REQUIRED.
- ALL WIRE SHALL BE THW COPPER, UNLESS NOTED OTHERWISE.
- ALL BRANCH CIRCUITS IN RACEWAY OR NON METALLIC SHEATHED CABLE (ROMEX).
- COORDINATE RACEWAY INSTALLATIONS WITH OTHER TRADES PRIOR TO CONSTRUCTION.
- VERIFY ALL CONDUCTORS AND BREAKERS WITH EQUIPMENT MANUFACTURER'S SPECIFICATION.
- ELECTRICAL FIXTURES, TRIM AND APPLIANCE SHALL BE UL APPROVED AND AS SELECTED BY OWNER.
- PROVIDE DISCONNECT SWITCH OF SIZE AS REQUIRED BY LOADS AND UNITS.
- PROVIDE NON-FUSIBLE GENERAL DUTY SAFETY SWITCHES AT A/C EQUIPMENT, AND AT PUMPS NOT VISIBLE FROM CIRCUIT BREAKER PANEL AND AS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE GFI FOR ALL BREAKERS FOR ALL BATHROOM AND EXTERIOR OUTLETS AS SHOWN ON PLANS.
- ELECTRICAL PLAN AS DEPICTED IS FOR REPRESENTATIONAL PURPOSES ONLY AND IT IS THE RESPONSIBILITY OF THE LICENSED ELECTRICIAN TO PROVIDE ALL REQUIRED INFORMATION FOR PERMIT ISSUANCE AND TO ENSURE THAT ALL ELECTRICAL WORK AND APPLIANCES ARE IN FULL COMPLIANCE WITH N.E.P.A., N.E.C. F.B.C. 8th EDITION (2023) RESIDENTIAL AND ALL APPLICABLE LOCAL STANDARDS, CODES, AND ORDINANCES.
- ALL SMOKE DETECTORS TO BE HARDWARE AND INTERCONNECTED AND HAVE BATTERY BACKUP. NON-METALLIC SHEATHED CABLE (ROMEX) MAY BE USED IN LIEU OF CONDUIT AND WIRES IN DRY AREAS AS PER N.E.C.
- PROVIDE TAMPER-RESISTANT RECEPTACLES IN NEW AREAS AS PER NEC 406.11
- PROVIDE ARC-FAULT CIRCUIT- INTERRUPTER PROTECTION AS PER NEC 210.12 ALL 120- VOLT, SINGLE PHASE, AND 20-AMP, BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER, COMBINATION- TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.

PANEL UNIT B		SQD HOMELINE OR EQUAL	
VOLTAGE 120 / 240 V		1 PHASE	
225A MLO		225A BUS	
CABINET FLUSH		NEMA-1	
RATING 22k		AIC SERIES RATED	
NOTES	REMARKS	CKT BKR	REMARKS
1	FCU-1 (HACR)	60	2 CU-1 (HACR)
1	ELEVATOR	50	2 GAS WH
1	STACKABLE WASHER/DRYER	30	2 1 GFI BATH 3
A	GFI BATH 1	20	1 1 GFI BATH 3
A	GARAGE	20	1 1 GFI BATH 3
A	LIVING ROOM	20	1 1 GFI BATH 3
A	DINING ROOM	20	1 1 GFI BATH 3
A	MASTER BED	20	1 1 GFI BATH 3
A	BEDROOM 1	20	1 1 GFI BATH 3
A	BEDROOM 2	20	1 1 GFI BATH 3
A	BEDROOM 3	20	1 1 GFI BATH 3
A	BEDROOM 4	20	1 1 GFI BATH 3
A	GFI BATH 2	20	1 1 GFI BATH 3
A	DECK	20	1 1 GFI BATH 3
A	SPACE	1 37	2 2 SURGE PROTECTION
A	SPACE	1 39	2 2 SURGE PROTECTION

A - PROVIDE ARC FAULT TYPE CIRCUIT BREAKER.
G - PROVIDE GFI TYPE CIRCUIT BREAKER.
1. BREAKER AND WIRING SHOWN HERE ARE A PLACEHOLDER. FIELD COORDIANTE WITH OWNER PRIOR TO ORDERING AND ROUGH-IN.

DWELLING UNIT CALCULATION	
UNIT 'B'	2,770 SQ. FT.
GENERAL LIGHTING	8,310 VA
SMALL APPLIANCE	3,000 VA
FIXED APPLIANCES AT 100%	
LAUNDRY	1,500 VA
DRYER	500 VA
RANGE	100 VA
MICROHOOD	1,200 VA
WATER HEATER	100 VA
DISHWASHER	1,200 VA
DISPOSAL	800 VA
ELEVATOR	7,200 VA
SPA (GAS)	1,200 VA
SUBTOTAL CONNECTED LOAD =	25,110 VA
SUBTOTAL DEMAND LOAD =	16,044 VA
AIR CONDITIONING & HEATING	
FCU =	7,030 VA
CU (1.5 Ton) =	5,280 VA
FCU =	10,550 VA
CU (2.5 Ton) =	8,790 VA
SUBTOTAL DEMAND LOAD =	31,650 VA
TOTAL DEMAND LOAD =	47,694 VA
SERVICE VOLTAGE	240 V
TOTAL DEMAND AMPS =	199 AMPS

PANEL UNIT C		SQD HOMELINE OR EQUAL	
VOLTAGE 120 / 240 V		1 PHASE	
225A MLO		225A BUS	
CABINET FLUSH		NEMA-1	
RATING 22k		AIC SERIES RATED	
NOTES	REMARKS	CKT BKR	REMARKS
1	FCU-1 (HACR)	60	2 CU-1 (HACR)
1	ELEVATOR	50	2 GAS WH
1	STACKABLE WASHER/DRYER	30	2 1 GFI BATH 3
A	GFI BATH 1	20	1 1 GFI BATH 3
A	GARAGE	20	1 1 GFI BATH 3
A	LIVING ROOM	20	1 1 GFI BATH 3
A	DINING ROOM	20	1 1 GFI BATH 3
A	MASTER BED	20	1 1 GFI BATH 3
A	BEDROOM 1	20	1 1 GFI BATH 3
A	BEDROOM 2	20	1 1 GFI BATH 3
A	BEDROOM 3	20	1 1 GFI BATH 3
A	BEDROOM 4	20	1 1 GFI BATH 3
A	GFI BATH 2	20	1 1 GFI BATH 3
A	DECK	20	1 1 GFI BATH 3
A	SPACE	1 37	2 2 SURGE PROTECTION
A	SPACE	1 39	2 2 SURGE PROTECTION

A - PROVIDE ARC FAULT TYPE CIRCUIT BREAKER.
G - PROVIDE GFI TYPE CIRCUIT BREAKER.
1. BREAKER AND WIRING SHOWN HERE ARE A PLACEHOLDER. FIELD COORDIANTE WITH OWNER PRIOR TO ORDERING AND ROUGH-IN.

DWELLING UNIT CALCULATION	
UNIT 'C'	2,766 SQ. FT.
GENERAL LIGHTING	8,298 VA
SMALL APPLIANCE	3,000 VA
FIXED APPLIANCES AT 100%	
LAUNDRY	1,500 VA
DRYER	500 VA
RANGE	100 VA
MICROHOOD	1,200 VA
WATER HEATER	100 VA
DISHWASHER	1,200 VA
DISPOSAL	800 VA
ELEVATOR	7,200 VA
SPA (GAS)	1,200 VA
SUBTOTAL CONNECTED LOAD =	25,098 VA
SUBTOTAL DEMAND LOAD =	16,039 VA
AIR CONDITIONING & HEATING	
FCU =	7,030 VA
CU (1.5 Ton) =	5,280 VA
FCU =	10,550 VA
CU (2.5 Ton) =	8,790 VA
SUBTOTAL DEMAND LOAD =	31,650 VA
TOTAL DEMAND LOAD =	47,689 VA
SERVICE VOLTAGE	240 V
TOTAL DEMAND AMPS =	199 AMPS

NOTE #1

