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1. All drawings are to be coordinated with all site information by owner and contractor, and applicable codes.
2. Contractor is to notify architect immediately of conditions or items varying from depicted information.
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BEDROOM 2											1 PHASE, 3 WIRE					
PANEL: B2											FLUSH MOUNTED					
AMPS: 125-MLO											NEMA 1					
-DESCRIPTION-											-DESCRIPTION-					
REC: BATHROOMS											DISHWASHER					
AFI	LTS/REC: BEDROOM#2/PAT	1	14	15	3		1.1	1.5	4	20	12	1	GARBAGE DISPOSAL			
AFI	LTS/REC: LAUNDRY/BATH	1	14	15	5	0.8	4		6	50	6	2	OVEN/RANGE			
AFI	LTS/REC: BEDROOM#1/STOR	1	14	15	7		1.0	4	8							
SPACE											MICROWAVE					
AFI	REC: KITCHEN/DINING	1	12	20	11		0.6	1.0	12	20	12	1	WASHER			
AFI	REC: KITCHEN	1	12	20	13	0.9	2.5		14							
AFI	LTS/REC: LIVING/KITCHEN	1	14	15	15		1.3	2.5	16	30	10	2	DRYER			
AIR HANDLER											WATER HEATER					
HEAT PUMP											SPACE					
											SPACE					
TOTAL CONNECTED KVA:											36.6		DEMAND KVA:		22.0	
PANEL RMS SYM. AMPS:											SEE RISER		DEMAND AMPS:		105.8	

1. PANEL SHALL BE EQUAL TO SQUARE D QO.
2. AFI - PROVIDE ARC FAULT CIRCUIT INTERRUPTER BREAKER FOR CIRCUIT.
3. PROVIDE HACR BREAKERS FOR HVAC & REFRIGERATION EQUIPMENT.
4. GFI - PROVIDE GFCI BREAKER FOR CIRCUIT. GFCI RECEPTACLES MAY BE USED IN LIEU OF GFCI BREAKERS SO LONG AS THE DEVICE(S) CONFORM TO NEC CODE REQUIREMENTS FOR GFCI PROTECTION & ACCESSIBILITY.
5. BRANCH CIRCUIT MAY BE #4 ALUM SER CABLE W/ #8 ALUM GND IN LIEU OF COPPER.
6. VERIFY BREAKER AND WIRE SIZE REQUIREMENTS WITH EQUIPMENT NAMEPLATE BEFORE BEGINNING WORK.
7. NOT PRESENT IN ADA UNITS.

LOAD SUMMARY - RESIDENTIAL					LOAD SUMMARY - RESIDENTIAL					LOAD SUMMARY - RESIDENTIAL					LOAD SUMMARY - RESIDENTIAL					LOAD SUMMARY - RESIDENTIAL									
NEC SECTION 220					NEC SECTION 220					NEC SECTION 220					NEC SECTION 220					NEC SECTION 220									
PANEL: C2 (UNIT TYPE 3.0)					PANEL: C1 (UNIT TYPE 2.2)					PANEL: B2 (UNIT TYPE 2.1)					PANEL: B1 (UNIT TYPE 2.0)					PANEL: A1 (UNIT TYPE 1.0)									
GENERAL LOAD			KVA CONN.		GENERAL LOAD			KVA CONN.		GENERAL LOAD			KVA CONN.		GENERAL LOAD			KVA CONN.		GENERAL LOAD			KVA CONN.						
LIGHTS & RECEPTACLES			3.6		LIGHTS & RECEPTACLES			3.9		LIGHTS & RECEPTACLES			2.9		LIGHTS & RECEPTACLES			2.9		LIGHTS & RECEPTACLES			2.0						
@ 3VA PER SQFT		1192			SQFT	@ 3VA PER SQFT				1305	SQFT	@ 3VA PER SQFT			977	SQFT	@ 3VA PER SQFT			965	SQFT	@ 3VA PER SQFT			657	SQFT			
SMALL APPLIANCES & LAUNDRY			3.0		SMALL APPLIANCES & LAUNDRY			3.0		SMALL APPLIANCES & LAUNDRY			3.0		SMALL APPLIANCES & LAUNDRY			3.0		SMALL APPLIANCES & LAUNDRY			3.0						
@ 1500VA PER CIRCUIT		2			# CIRCUITS	@ 1500VA PER CIRCUIT				2	# CIRCUITS	@ 1500VA PER CIRCUIT			2	# CIRCUITS	@ 1500VA PER CIRCUIT			2	# CIRCUITS								
ELECTRIC CLOTHES DRYER			5.0		ELECTRIC CLOTHES DRYER			5.0		ELECTRIC CLOTHES DRYER			5.0		ELECTRIC CLOTHES DRYER			5.0		ELECTRIC CLOTHES DRYER			5.0						
WASHER			1.0		WASHER			1.0		WASHER			1.0		WASHER			1.0		WASHER			1.0						
RANGE			8.0		RANGE			8.0		RANGE			8.0		RANGE			8.0		RANGE			8.0						
DISHWASHER			1.5		DISHWASHER			1.5		DISHWASHER			1.5		DISHWASHER			1.5		DISHWASHER			1.5						
DISPOSAL			1.5		DISPOSAL			1.5		DISPOSAL			1.5		DISPOSAL			1.5		DISPOSAL			1.5						
WATER HEATER			4.5		WATER HEATER			4.5		WATER HEATER			4.5		WATER HEATER			4.5		WATER HEATER			4.5						
MICROWAVE (DEDICATED)			1.0		MICROWAVE (DEDICATED)			1.0		MICROWAVE (DEDICATED)			1.0		MICROWAVE (DEDICATED)			1.0		MICROWAVE (DEDICATED)			1.0						
TOTAL GENERAL LOAD			29.1		TOTAL GENERAL LOAD			29.4		TOTAL GENERAL LOAD			28.4		TOTAL GENERAL LOAD			28.4		TOTAL GENERAL LOAD			27.5						
DEMAND LOAD			KVA CONN.	DEM. FACT.	KVA DEM.	DEMAND LOAD			KVA CONN.	DEM. FACT.	KVA DEM.	DEMAND LOAD			KVA CONN.	DEM. FACT.	KVA DEM.	DEMAND LOAD			KVA CONN.	DEM. FACT.	KVA DEM.						
FIRST 10 KVA GENERAL LOAD @ 100%			10.0	1.0	10.0	FIRST 10 KVA GENERAL LOAD @ 100%			10.0	1.0	10.0	FIRST 10 KVA GENERAL LOAD @ 100%			10.0	1.0	10.0	FIRST 10 KVA GENERAL LOAD @ 100%			10.0	1.0	10.0						
REMAINDER OF GENERAL LOAD @ 40%			19.1	0.4	7.6	REMAINDER OF GENERAL LOAD @ 40%			19.4	0.4	7.8	REMAINDER OF GENERAL LOAD @ 40%			18.4	0.4	7.4	REMAINDER OF GENERAL LOAD @ 40%			17.5	0.4	7.0						
HVAC LOAD (NEC SEC 220.82-C)			2.4		1.0	2.4	HVAC LOAD (NEC SEC 220.82-C)			2.0		1.0	2.0	HVAC LOAD (NEC SEC 220.82-C)			2.0		1.0	2.0	HVAC LOAD (NEC SEC 220.82-C)			2.0		1.0	2.0		
HEAT PUMP COMPRESSOR		HEAT PUMP COMPRESSOR					HEAT PUMP COMPRESSOR		HEAT PUMP COMPRESSOR																				
HEAT PUMP ELECTRIC HEAT			6.0	0.65	3.9	HEAT PUMP ELECTRIC HEAT			6.0	0.65	3.9	HEAT PUMP ELECTRIC HEAT			3.6	0.65	2.3	HEAT PUMP ELECTRIC HEAT			3.6	0.65	2.3	HEAT PUMP ELECTRIC HEAT			3.6	0.65	2.3
TOTALS			37.5		23.9	TOTALS			37.8		24.1	TOTALS			34.0		21.7	TOTALS			34.0		21.7	TOTALS			33.1		21.3
TOTAL AMPS @ 208 V 1 PHASE			115.1		TOTAL AMPS @ 208 V 1 PHASE			115.7		TOTAL AMPS @ 208 V 1 PHASE			104.4		TOTAL AMPS @ 208 V 1 PHASE			104.3		TOTAL AMPS @ 208 V 1 PHASE			102.5						

NOTE:
COORDINATE APARTMENT
PANEL/LOAD CENTER
LUGS WITH FEEDER SIZE TO
BE USED. A LARGER PANEL
MAY BE NECESSARY TO
ACCEPT LARGER FEEDER
WIRES.

BEDROOM 1											1 PHASE, 3 WIRE	
PANEL: C2											FLUSH MOUNTED	
AMPS: 125-MLO												
LOAD PER PHASE											NEMA 1	
-DESCRIPTION-											-DESCRIPTION-	
REC: BATHROOMS											DISHWASHER	
LTS/REC: BEDROOM#2											GARBAGE DISPOSAL	
LTS/REC: LAUNDRY/BATH											OVEN/RANGE	
LTS/REC: BEDROOM#1/PAT											OVEN/RANGE	
LTS/REC: BEDROOM#3/HALL											MICROWAVE	
REC: KITCHEN/DINING											WASHER	
REC: KITCHEN											DRYER	
LTS/REC: LIVING/KITCHEN												
AIR HANDLER											WATER HEATER	
HEAT PUMP											SPACE	
											SPACE	
TOTAL CONNECTED KVA:											DEMAND KVA:	
PANEL RMS SYM. AMPS: SEE RISER											DEMAND AMPS: 115.5	

1. PANEL SHALL BE EQUAL TO SQUARE D QO.
2. AFI - PROVIDE ARC FAULT CIRCUIT INTERRUPTER BREAKER FOR CIRCUIT.
3. PROVIDE HACR BREAKERS FOR HVAC & REFRIGERATION EQUIPMENT.
4. GFI - PROVIDE GFCI BREAKER FOR CIRCUIT. GFCI RECEPTACLES MAY BE USED IN LIEU OF GFCI BREAKERS SO LONG AS THE DEVICE(S) CONFORM TO NEC CODE REQUIREMENTS FOR GFCI PROTECTION & ACCESSIBILITY.
5. BRANCH CIRCUIT MAY BE #4 ALUM SER CABLE W/ #8 ALUM GND IN LIEU OF COPPER.
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7. NOT PRESENT IN ADA UNITS.

BEDROOM 1											1 PHASE, 3 WIRE	
PANEL: B1											FLUSH MOUNTED	
AMPS: 125-MLO											NEMA 1	
-DESCRIPTION-											-DESCRIPTION-	
REC: BATHROOMS											DISHWASHER	
AFI	LTS/REC: BEDRM#2/BATH#2	1	14	15	3	0.3	1.5	4	20	12	1	GARBAGE DISPOSAL
AFI	LTS/REC: LAUNDRY/BATH #1	1	14	15	5	0.8	4	6	50	6	2	OVEN/RANGE
AFI	LTS/REC: BEDROOM#1/PAT	1	14	15	7		1.0	4	8			
AFI	SPACE	1	-	-	9	0	1.0		10	20	12	1
AFI	REC: KITCHEN/DINING	1	12	20	11		0.6	1.0	12	20	12	1
AFI	REC: KITCHEN	1	12	20	13	0.9	2.5		14			
AFI	LTS/REC: LIVING/KITCHEN	1	14	15	15		1.3	2.5	16	30	10	2
AIR HANDLER		2	10	30	17	2.9	2.3		18	30	10	2
HEAT PUMP		2	12	20	19	2.9	2.2	20	22	-	-	1
					23	1.1	0	24	-	-	-	1
						17.4	19.2					
TOTAL CONNECTED KVA:											36.6	
PANEL RMS SYM. AMPS: SEE RISER											DEMAND KVA: 22.0	
PANEL RMS SYM. AMPS: SEE RISER											DEMAND AMPS: 105.8	