UNIT S-1

UNIT CALCULATIONS PER N.E.C. 220.80, OPTIONAL CALCULATIONS

MAXIMUM AREA OF UNIT (Square Feet)		595 SQ. FT.
LIGHTING LOAD (Sq. Ft. X 3 Watts/Sq. Ft.)		1,785 W
SMALL APPLIANCE LOAD (1500W X 2 Circuits)		3,000 W
LAUNDRY RECEPTACLE		1,500 W
DRYER RECEPTACLE		5,000 W
RANGE HOOD		250 W
REFRIGERATOR		800 W
MICROWAVE		1,500 W
COOKTOP/OVEN		8,000 W
EXHAUST FANS		75 W
DISPOSAL		1,200 W
DISHWASHER		1,500 W
WATER HEATER		4,500 W
SUB-TOTAL OTHER LOAD		29,110 W
LESS FIRST 10 KW		10,000 W
		19,110 W
REMAINDER @ 40%		0.40
		7,644 W
FIRST 10KW @ 100%		10,000 W
NET COMPUTED OTHER LOAD		17,644 W
HEATING LOAD PER N.E.C. 220.82 (KW X 100%)	3827 W 100%	
TOTAL HEATING LOAD		3,827 W
TOTAL CALCULATED LOAD		21,471 W
TOTAL CALCULATED AMPERES (Load/208V/1 phase)		103 A
MINIMUM ELECTRICAL SERVICE ENTRANCE RATING		125 A

UNIT A-1/A-1A

UNIT CALCULATIONS PER N.E.C. 220.80, OPTIONAL CALCULATIONS

MAXIMUM AREA OF UNIT (Square Feet)		975 SQ. FT.
LIGHTING LOAD (Sq. Ft. X 3 Watts/Sq. Ft.)		2,925 W
SMALL APPLIANCE LOAD (1500W X 2 Circuits)		3,000 W
LAUNDRY RECEPTACLE		1,500 W
DRYER RECEPTACLE		5,000 W
RANGE HOOD		250 W
REFRIGERATOR		800 W
MICROWAVE		1,500 W
COOKTOP/OVEN		8,000 W
EXHAUST FANS		75 W
DISPOSAL		1,200 W
DISHWASHER		1,500 W
WATER HEATER		4,500 W
SUB-TOTAL OTHER LOAD		29,350 W
LESS FIRST 10 KW		10,000 W
		19,350 W
REMAINDER @ 40%		0.40
		7,740 W
FIRST 10KW @ 100%		10,000 W
NET COMPUTED OTHER LOAD		17,740 W
HEATING LOAD PER N.E.C. 220.82 (KW X 100%)	3827 W 100%	
TOTAL HEATING LOAD		3,827 W
TOTAL CALCULATED LOAD		21,567 W
TOTAL CALCULATED AMPERES (Load/208V/1 phase)		104 A
MINIMUM ELECTRICAL SERVICE ENTRANCE RATING		125 A

UNIT A-2

UNIT CALCULATIONS PER N.E.C. 220.80, OPTIONAL CALCULATIONS

MAXIMUM AREA OF UNIT (Square Feet)		1,056 SQ. FT.
LIGHTING LOAD (Sq. Ft. X 3 Watts/Sq. Ft.)		3,168 W
SMALL APPLIANCE LOAD (1560W X 2 Circuits)		3,000 W
LAUNDRY RECEPTACLE		1,500 W
DRYER RECEPTACLE		5,000 W
RANGE HOOD		250 W
REFRIGERATOR		800 W
MICROWAVE		1,500 W
COOKTOP/OVEN		8,000 W
EXHAUST FANS		75 W
DISPOSAL		1,200 W
DISHWASHER		1,500 W
WATER HEATER		4,500 W
SUB-TOTAL OTHER LOAD		30,493 W
LESS FIRST 10 KW		10,000 W
		20,493 W
REMAINDER @ 40%		0.40
		8,197 W
FIRST 10KW @ 100%		10,000 W
NET COMPUTED OTHER LOAD		18,197 W
HEATING LOAD PER N.E.C. 220.82 (KW X 100%)	3827 W 100%	
TOTAL HEATING LOAD		3,827 W
TOTAL CALCULATED LOAD		22,024 W
TOTAL CALCULATED AMPERES (Load/208V/1 phase)		106 A
MINIMUM ELECTRICAL SERVICE ENTRANCE RATING		125 A

UNIT B-1

UNIT CALCULATIONS PER N.E.C. 220.80, OPTIONAL CALCULATIONS

MAXIMUM AREA OF UNIT (Square Feet)		1,079 SQ. FT.
LIGHTING LOAD (Sq. Ft. X 3 Watts/Sq. Ft.)		3,237 W
SMALL APPLIANCE LOAD (1500W X 2 Circuits)		3,000 W
LAUNDRY RECEPTACLE		1,500 W
DRYER RECEPTACLE		5,000 W
RANGE HOOD		250 W
REFRIGERATOR		800 W
MICROWAVE		1,500 W
COOKTOP/OVEN		8,000 W
EXHAUST FANS		150 W
DISPOSAL		1,200 W
DISHWASHER		1,500 W
WATER HEATER		4,500 W
SUB-TOTAL OTHER LOAD		30,637 W
LESS FIRST 10 KW		10,000 W
		20,637 W
REMAINDER @ 40%		0.40
		8,255 W
FIRST 10KW @ 100%		10,000 W
NET COMPUTED OTHER LOAD		18,255 W
HEATING LOAD PER N.E.C. 220.82 (KW X 100%)	6323 W 100%	
TOTAL HEATING LOAD		6,323 W
TOTAL CALCULATED LOAD		24,578 W
TOTAL CALCULATED AMPERES (Load/208V/1 phase)		118 A
MINIMUM ELECTRICAL SERVICE ENTRANCE RATING		150 A

UNIT B-2

UNIT CALCULATIONS PER N.E.C. 220.80, OPTIONAL CALCULATIONS

MAXIMUM AREA OF UNIT (Square Feet)		1,291 SQ. FT.
LIGHTING LOAD (Sq. Ft. X 3 Watts/Sq. Ft.)		3,873 W
SMALL APPLIANCE LOAD (1560W X 2 Circuits)		3,000 W
LAUNDRY RECEPTACLE		1,500 W
DRYER RECEPTACLE		5,000 W
RANGE HOOD		250 W
REFRIGERATOR		800 W
MICROWAVE		1,500 W
COOKTOP/OVEN		8,000 W
EXHAUST FANS		150 W
DISPOSAL		1,200 W
DISHWASHER		1,500 W
WATER HEATER		4,500 W
SUB-TOTAL OTHER LOAD		31,273 W
LESS FIRST 10 KW		10,000 W
		21,273 W
REMAINDER @ 40%		0.40
		8,509 W
FIRST 10KW @ 100%		10,000 W
NET COMPUTED OTHER LOAD		18,509 W
HEATING LOAD PER N.E.C. 220.82 (KW X 100%)	6323 W 100%	
TOTAL HEATING LOAD		6,323 W
TOTAL CALCULATED LOAD		24,832 W
TOTAL CALCULATED AMPERES (Load/208V/1 phase)		119 A
MINIMUM ELECTRICAL SERVICE ENTRANCE RATING		150 A

UNIT B-3

UNIT CALCULATIONS PER N.E.C. 220.80, OPTIONAL CALCULATIONS

MAXIMUM AREA OF UNIT (Square Feet)		1,200 SQ. FT.
LIGHTING LOAD (Sq. Ft. X 3 Watts/Sq. Ft.)		3,600 W
SMALL APPLIANCE LOAD (1500W X 2 Circuits)		3,000 W
LAUNDRY RECEPTACLE		1,500 W
DRYER RECEPTACLE		5,000 W
RANGE HOOD		250 W
REFRIGERATOR		800 W
MICROWAVE		1,500 W
COOKTOP/OVEN		8,000 W
EXHAUST FANS		150 W
DISPOSAL		1,200 W
DISHWASHER		1,500 W
WATER HEATER		4,500 W
SUB-TOTAL OTHER LOAD		31,000 W
LESS FIRST 10 KW		10,000 W
		21,000 W
REMAINDER @ 40%		0.40
		8,400 W
FIRST 10KW @ 100%		10,000 W
NET COMPUTED OTHER LOAD		18,400 W
HEATING LOAD PER N.E.C. 220.82 (KW X 100%)	6323 W 100%	
TOTAL HEATING LOAD		6,323 W
TOTAL CALCULATED LOAD		24,723 W
TOTAL CALCULATED AMPERES (Load/208V/1 phase)		119 A
MINIMUM ELECTRICAL SERVICE ENTRANCE RATING		150 A

UNIT B-4/B-4A

UNIT CALCULATIONS PER N.E.C. 220.80, OPTIONAL CALCULATIONS

MAXIMUM AREA OF UNIT (Square Feet)		1,214 SQ. FT.
LIGHTING LOAD (Sq. Ft. X 3 Watts/Sq. Ft.)		3,642 W
SMALL APPLIANCE LOAD (1500W X 2 Circuits)		3,000 W
LAUNDRY RECEPTACLE		1,500 W
DRYER RECEPTACLE		5,000 W
RANGE HOOD		250 W
REFRIGERATOR		800 W
MICROWAVE		1,500 W
COOKTOP/OVEN		8,000 W
EXHAUST FANS		150 W
DISPOSAL		1,200 W
DISHWASHER		1,500 W
WATER HEATER		4,500 W
SUB-TOTAL OTHER LOAD		31,342 W
LESS FIRST 10 KW		10,000 W
		21,342 W
REMAINDER @ 40%		0.40
		8,537 W
FIRST 10KW @ 100%		10,000 W
NET COMPUTED OTHER LOAD		18,537 W
HEATING LOAD PER N.E.C. 220.82 (KW X 100%)	6323 W 100%	
TOTAL HEATING LOAD		6,323 W
TOTAL CALCULATED LOAD		24,866 W
TOTAL CALCULATED AMPERES (Load/208V/1 phase)		120 A
MINIMUM ELECTRICAL SERVICE ENTRANCE RATING		150 A

UNIT C-1/C-1A

UNIT CALCULATIONS PER N.E.C. 220.80, OPTIONAL CALCULATIONS

MAXIMUM AREA OF UNIT (Square Feet)		1,430 SQ. FT.
LIGHTING LOAD (Sq. Ft. X 3 Watts/Sq. Ft.)		4,290 W
SMALL APPLIANCE LOAD (1500W X 2 Circuits)		3,000 W
LAUNDRY RECEPTACLE		1,500 W
DRYER RECEPTACLE		5,000 W
RANGE HOOD		250 W
REFRIGERATOR		800 W
MICROWAVE		1,500 W
COOKTOP/OVEN		8,000 W
EXHAUST FANS		150 W
DISPOSAL		1,200 W
DISHWASHER		1,500 W
WATER HEATER		5,000 W
SUB-TOTAL OTHER LOAD		33,190 W
LESS FIRST 10 KW		10,000 W
		23,190 W
REMAINDER @ 40%		0.40
		9,276 W
FIRST 10KW @ 100%		10,000 W
NET COMPUTED OTHER LOAD		19,276 W
HEATING LOAD PER N.E.C. 220.82 (KW X 100%)	6323 W 100%	
TOTAL HEATING LOAD		6,323 W
TOTAL CALCULATED LOAD		25,599 W
TOTAL CALCULATED AMPERES (Load/208V/1 phase)		123 A
MINIMUM ELECTRICAL SERVICE ENTRANCE RATING		150 A

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