PANEL: MDP
NEMA 3R

CIRCUITS 32
MAIN BREAKER: N/A AMPS
MAIN LUGS: 600 AMPS
K.A.I.C.: 42 AMPS
MOUNTED FLUSH ___ SURFACE X

1 PHASE
3 WIRE
X 240/120V
FEED THRU

TYPE	CKT NO	IDENTIFICATION	WIRE	GND.	COND	CIRCUIT BREAKER TRIP	POLES	LOAD/PHASE (KVA) A	B	C	BREAKER POLES	TRIP	WIRE	GND.	COND	IDENTIFICATION	CKT NO	TYPE
	1	PANEL A	3/0	6	2"	200	2	23.4			1	20				SPARE	2	TS
	3								23.2		1	20				SPARE	4	TS
	5	PANEL B	3/0	6	2"	200	2	15.3	0.5		1	20	12	12	3/4"	LANDSCAPE LTS	6	TS
	7									18.0	0.5	1	20	12	12	3/4"	LANDSCAPE LTS	8	TS
	9	PANEL C	3/0	6	2"	200	2	28.4	0.5			1	20	12	12	3/4"	LANDSCAPE LTS	10	TS
	11									27.3	0.5	1	20	12	12	3/4"	CAR CHARGER WATER FEATURE	12	TS
	13	PANEL AC1	3/0	6	2"	200	2	18.5	0.2			1	20	12	12	1/2"	TIMER	14	
	15									17.9							SPACE	16	
	17	PANEL AC2	3/0	6	2"	200	2	17.9									SPACE	18	
	19									17.9							SPACE	20	
	21	PANEL G	1	6	1-1/2"	125	2	7.8									SPACE	22	
	23									7.5							SPACE	24	
	25	SPACE							1.0		1	20	12	12	1/2"	GENERATOR HEATER	26	GF
	27	SPACE								1.0	1	20	12	12	1/2"	GENERATOR BATTERY	28	GF
	29	SPACE									2	30	10	10	1/2"	TVSS	30	
	31	SPACE															32	
								111.3 / 2.2		111.8 / 2.0								

TOTAL CONNECTED LOAD PER PHASE 113.5 / 113.8
TOTAL CONNECTED LOAD PANEL A 227.3 KVA
TOTAL CONNECTED 947.1 AMP
TOTAL DEMAND 560.7 AMP

AF - ARC FAULT PROTECTED CIRCUIT BREAKER
GF - GFCI GROUND FAULT PROTECTED C.B.
NC - NO CONCURRENT LOAD
TS. - VIA TIME SWITCH

(*1) CONTRACTOR SHALL FIELD VERIFY EQUIPMENT NAME PLATE PRIOR TO C.B ORDERING AND INSTALLATION. MATCH MANUFACTURE RECOMMENDED OCPD.

PANEL: A
NEMA 1

CIRCUITS 42
MAIN BREAKER: N/A AMPS
MAIN LUGS: 200 AMPS
K.A.I.C.: 22 AMPS
MOUNTED FLUSH X SURFACE ___

1 PHASE
3 WIRE
X 240/120V
FEED THRU

TYPE	CKT NO	IDENTIFICATION	WIRE	GND.	COND	CIRCUIT BREAKER TRIP	POLES	LOAD/PHASE (KVA) A	B	C	BREAKER POLES	TRIP	WIRE	GND.	COND	IDENTIFICATION	CKT NO	TYPE
AF/GF	1	COFFEE MAKER	12	12	1/2"	20	1	1.6	0.5		1	20	12	12	1/2"	MA STER BEDROOM RCPTS	2	AF
AF	3	GAS FIRE PLACE	12	12	1/2"	20	1			0.2	0.5	1	20	12	12	1/2"	MA STER BEDROOM RCPTS	4	AF
	5	SPACE							1.5		1	20	12	12	1/2"	LAUNDRY RCPTS	6	AF
GF	7	TOILET FEA TURE POW DER ROOM	12	12	1/2"	20	1			1.3	0.5	1	20	12	12	1/2"	LAUNDRY/STA FFDINNGHHLL LTS	8	AF
	9	SPACE							0.5		1	20	12	12	1/2"	MA STER BEDROOM / BA TH / W IC LTS	10	AF
AF	11	SMALL APPLIANCES	12	12	1/2"	20	1			1.5	0.5	1	20	12	12	1/2"	EXTERIOR LTS	12	TS
AF	13	FAMILY ROOM RCPTS	12	12	1/2"	20	1	0.5	1.5		1	20	12	12	1/2"	SMALL APPLIANCES	14	AF
	15	MICROCOMBI OVEN	12	12	1/2"	20	2	1.5		1.5	1	20	12	12	1/2"	SMALL APPLIANCES	16	AF
	17							1.5	0.5		1	20	12	12	1/2"	BREAKFA ST (SMALL APP)	18	AF
AF/GF	19	GA S RANGE	12	12	1/2"	20	1			0.2	1.5	1	20	12	12	1/2"	DINING ROOM (SMALL APP)	20	AF
AF/GF	21	HOOD AT KITCHEN	12	12	1/2"	20	1	0.4	0.5		1	20	12	12	1/2"	HALLW AY RCPTS	22	AF
AF/GF	23	DISHW A SHER	12	12	1/2"	20	1			1.2	0.5	1	20	12	12	1/2"	STUFF ROOM RCPTS	24	AF
AF	25	REFRIGERA TOR	12	12	1/2"	20	1	1.4	0.5		1	20	12	12	1/2"	BA TH RCPTS	26	AF
AF	27	FREEZER	12	12	1/2"	20	1			1.4	0.5	1	20	12	12	1/2"	FAMIL Y ROOM RCPTS	28	AF
AF/GF	29	DISHW A SHER A T PAN TRY	12	12	1/2"	20	1	1.2	0.5		1	20	12	12	1/2"	CLUB ROOM RCPTS	30	AF
AF/GF	31	DISPOSAL	12	12	1/2"	20	1			0.8	0.8	1	20	12	12	1/2"	DISPOSAL	32	AF/GF
AF	33	UC REF.	12	12	1/2"	20	1	0.6	0.5		1	20	12	12	1/2"	BAR/ WINE DISPLAY RCPTS	34	AF
AF	35	WINE REF.	12	12	1/2"	20	1			0.6	0.5	1	20	12	12	1/2"	HALLW AY RCPTS	36	AF
AF/GF	37	UC ICE MAKER	12	12	1/2"	20	1	0.6	1.3		1	20	12	12	1/2"	TOILET FEA TURE MA S TER HS	38	GF
	39	MA S TER / POW DER 2 BA TH RCPTS	12	12	1/2"	20	1			0.5						SPACE	40	
	41	ELEC TRIC COOKTOP	4	10	1"	60	2	0.4	1.3		1	20	12	12	1/2"	TOILET FEA TURE STAFF BA TH	42	GF
	43									0.4	1.3	1	20	12	12	1/2"	TOILET FEA TURE MA S TER HER	44	GF
AF	45	TIMER	12	12	1/2"	20	1	0.2	0.5		1	20	12	12	1/2"	PL OOD LIGHTS	46	TS
AF	47	SHADES PANEL LV	12	12	1/2"	20	1			0.5						SPARE	48	
AF	49	HOOD AT PANTRY	12	12	1/2"	20	1	0.4								SPACE	50	
	51	SPACE														SPARE	52	
	53	SPACE														SPACE	54	
								13.8 / 9.6		15.1 / 8.1								

TOTAL CONNECTED LOAD PER PHASE 23.4 / 23.2
TOTAL CONNECTED LOAD PANEL A 46.6 KVA
TOTAL CONNECTED 194.2 AMP

AF - ARC FAULT PROTECTED CIRCUIT BREAKER
GF - GFCI GROUND FAULT PROTECTED C.B.
NC - NO CONCURRENT LOAD
MC- MC CABLE
R- ROMEX

PANEL: B
NEMA 1

CIRCUITS 42
MAIN BREAKER: N/A AMPS
MAIN LUGS: 200 AMPS
K.A.I.C.: 22 AMPS
MOUNTED FLUSH X SURFACE ___

1 PHASE
3 WIRE
X 240/120V
FEED THRU

TYPE	CKT NO	IDENTIFICATION	WIRE	GND.	COND	CIRCUIT BREAKER TRIP	POLES	LOAD/PHASE (KVA) A	B	C	BREAKER POLES	TRIP	WIRE	GND.	COND	IDENTIFICATION	CKT NO	TYPE
AF	1	SHADES PANEL LV	12	12	1/2"	20	1	0.5	1.3		1	20	12	12	1/2"	TOILET FEA TURE BA TH 1 2ND PL	2	GF
AF	3	SHADES PANEL LV	12	12	1/2"	20	1			0.5	1.3	1	20	12	12	1/2"	TOILET FEA TURE BA TH 2 2ND PL	4	GF
	5	SPACE							1.5		1	20	12	12	1/2"	LAUNDRY RCPTS	6	AF
AF/GF	7	WA SHER 2ND PL	12	12	1/2"	20	1			1.5	0.5	1	20	12	12	1/2"	BA TH RCPTS	8	
GF	9	TOILET FEA TURE BA TH JR SUITE 2ND PL	12	12	1/2"	20	1	1.3	0.5		1	20	12	12	1/2"	HALLW AY RCPTS	10	AF
AF	11	BEDROOM #1 RCPTS	12	12	1/2"	20	1			0.5	0.5	1	20	12	12	1/2"	READING NOOK RCPTS	12	AF
AF	13	BEDROOM #1 RCPTS	12	12	1/2"	20	1	0.5	0.6		1	20	12	12	1/2"	UC REF. A T READING NOOK	14	AF/GF
AF	15	BEDROOM #2 RCPTS	12	12	1/2"	20	1			0.5	1.5	1	20	12	12	1/2"	UC MICRO. A T READING NOOK	16	AF/GF
GF	17	TOILET FEA TURE BA TH 3 2ND PL	12	12	1/2"	20	1	1.3	0.5		1	20	12	12	1/2"	FAMIL Y ROOM 2ND FLOOR RCPTS	18	AF
AF	19	BEDROOM #3 RCPTS	12	12	1/2"	20	1			0.5		1	20				SPARE	20	AF
AF	21	BEDROOM #3 RCPTS	12	12	1/2"	20	1	0.5	2.5		2	30	10	10	1/2"	ELEVA TOR	22	
AF	23	JR SUITE RCPTS	12	12	1/2"	20	1			0.5	2.5							24	
AF/GF	25	GA S DRYER 2ND PL	12	12	1/2"	20	1	0.2	0.3		1	20	12	12	1/2"	ELEVA TOR SUMP PUMP	26	GF
	27	SPACE								2.5	0.5	1	20	12	12	1/2"	ELEVA TOR PIT SHUFTL TS	28	GF
AF	29	LIGHTING 2ND PL	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	ELEVA TOR CONV. RCPTS	30	GF
AF	31	LIGHTING 2ND PL	12	12	1/2"	20	1			0.5	0.5	1	20	12	12	1/2"	ELEVA TOR CA BINET LTS	32	AF
AF	33	LIGHTING 2ND PL	12	12	1/2"	20	1	0.5	0.3		1	20	12	12	1/2"	TBB	34	AF
AF	35	PA CP	12	12	1/2"	20	1			0.5	0.2	1	20	12	12	1/2"	A V	36	AF
AF/GF	37	GA S DRYER 1 ST PL	12	12	1/2"	20	1	0.2	0.3		1	20	12	12	1/2"	ERC	38	AF
	39	SPACE								2.5	0.5	1	20	12	12	1/2"	FAMIL Y/KTCHENHHLL LW A Y/BKFS TPOW DER L TS	40	AF
AF/GF	41	WA SHER 1 ST PL	12	12	1/2"	20	1	1.5			1	20	12	12	1/2"	CLUB RMENTRY/POW DERG L TS	42	AF
	43	SPACE														SPACE	44	
	45	SPACE														SPACE	46	
	47	SPACE														SPACE	48	
	49	SPACE														SPACE	50	
	51	SPACE														SPACE	52	
	53	SPACE														SPACE	54	
								7.0 / 8.3		10.0 / 8.0								

TOTAL CONNECTED LOAD PER PHASE 15.3 / 18.0
TOTAL CONNECTED LOAD PANEL A 33.3 KVA
TOTAL CONNECTED 138.8 AMP

AF - ARC FAULT PROTECTED CIRCUIT BREAKER
GF - GFCI GROUND FAULT PROTECTED C.B.
NC - NO CONCURRENT LOAD
MC- MC CABLE
R- ROMEX

PANEL: C
NEMA3R

CIRCUITS 42
MAIN BREAKER: 200 AMPS
MAIN LUGS: 200 AMPS
K.A.I.C.: 22 AMPS
MOUNTED FLUSH ___ SURFACE X

1 PHASE
3 WIRE
X 240/120V
FEED THRU

TYPE	CKT NO	IDENTIFICATION	WIRE	GND.	COND	CIRCUIT BREAKER TRIP	POLES	LOAD/PHASE (KVA) A	B	C	BREAKER POLES	TRIP	WIRE	GND.	COND	IDENTIFICATION	CKT NO	TYPE
1	1	MXZ BRANCH BOX FOR A C SYST.7	12	12	1/2"	20	2	1.0	5.4		2	50	6	10	1"	CU-7	2	1
	3									1.0	5.4						4	
	5	GWH#4	12	12	1/2"	20	1	0.3	5.0		2	50	6	10	1"	SAUNA	6	GFI1
	7	SPACE								5.0							8	
AF	9	GYM RCPTS	12	12	1/2"	20	1	0.5	1.3		1	20	12	12	1/2"	TOILET FEA TURE GYM W .C.	10	GF
	11	SPARE				20	1			0.3		1	20	12	12	1/2"	HOOD COVERED TERRA CE 2	12	GF
AF	13	GYM EQUIPMENT	12	12	1/2"	20	1	0.8	0.2		1	20	12	12	1/2"	GA S BBQ COVERED TERRA CE 2	14	GF
	15	COVERED TERRACE 2 RCPTS	12	12	1/2"	20	1			0.5	0.6	1	20	12	12	1/2"	UC REF. COVERED TERRA CE 2	16	GF
AF	17	GUEST SUITE RCPTS	12	12	1/2"	20	1	0.5	0.3		1	20	12	12	1/2"	GUEST BA TH RCPTS	18	
TS	19	PL OOD LIGHT	12	12	1/2"	20	1			0.5	1.3	1	20	12	12	1/2"	TOILET FEA TURE GUEST BA TH	20	GF
	21	SPACE							0.6		1	20	12	12	1/2"	UC ICE COVERED TERRA CE 2	22	GF
	23	SPACE								0.8	1	20	12	12	1/2"	TV RCPTS COVERED TERRA CE 2	24	GF
	25	SPACE							0.5		1	20	12	12	1/2"	SHADES PANEL LV	26	AF
	27	EXTERIOR RCPTS	12	12	1/2"	20	1			0.5	0.2	1	20	12	12	1/2"	TIMER	28	AF
AF	29	LIGHTS 1 ST FLOOR GYM	12	12	1/2"	20	1	0.5	4.5		2	40	8	10	3/4"	STEAM UNIT	30	1
AF	31	LIGHTS SECOND FLOOR GUEST	12	12	1/2"	20	1			0.5	4.5						32	
TS	33	EXTERIOR LTS	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	POOL LTS	34	GF
TS	35	EXTERIOR STAIR LTS	12	12	1/2"	20	1			0.5	1.0	2	20	12	12	1/2"	POOL PUMP	36	GFI1
	37	SPACE							1.0								38	
	39	SPARE				20	1			5.0	2	60	4	8	1-1/4"	POOL HEA TER	40	GFI1
	41	SPARE				20	1		5.0								42	
								4.1 / 24.3		3.5 / 23.8								

TOTAL CONNECTED LOAD PER PHASE 28.4 / 27.3
TOTAL CONNECTED LOAD PANEL A 55.7 KVA
TOTAL CONNECTED 232.1 AMP
TOTAL DEMAND 187.6 AMP

AF - ARC FAULT PROTECTED CIRCUIT BREAKER
GF - GFCI GROUND FAULT PROTECTED C.B.
NC - NO CONCURRENT LOAD
MC- MC CABLE
R- ROMEX
RL- RELOCATE FROM EX. PANEL

1 - CONTRACTOR SHALL COORDINATE EQUIPMENT OCPD PRIOR TO ORDERING AND INSTALLATION

PANEL: G
NEMA 3R

CIRCUITS 32
MAIN BREAKER: N/A AMPS
MAIN LUGS: 125 AMPS
K.A.I.C.: 22 AMPS
MOUNTED FLUSH ___ SURFACE X

1 PHASE
3 WIRE
X 240/120V
FEED THRU

TYPE	CKT NO	IDENTIFICATION	WIRE	GND.	COND	CIRCUIT BREAKER TRIP	POLES	LOAD/PHASE (KVA) A	B	C	BREAKER POLES	TRIP	WIRE	GND.	COND	IDENTIFICATION	CKT NO	TYPE
	1	SPACE						0.8			1	20	12	12	1/2"	GARAGE DOOR	2	GF
	3	SPACE								0.8	1	20	12	12	1/2"	GARAGE DOOR	4	GF
	5	SPACE						0.5			1	20	12	12	1/2"	GARAGE RCPTS	6	
	7	SPACE								0.5	1	20	12	12	1/2"	EXTERIOR RCPTS	8	
GF	9	CAR CHARGER	6	10	1"	50	2	4.8	0.5		1	20	12	12	1/2"	GARAGE LTS	10	TS
	11									4.8	0.5	1	20	12	12	1/2"	EXTERIOR GARAGE LTS	12	TS
GF	13	WA TER FEA TURE PUMP S	12	12	1/2"	20	1	1.0	0.2		1	20	12	12	1/2"	TIMER	14	AF
	15	FUTURE WA TER SOFTENER				20	1			0.5	0.4	1	20	12	12	1/2"	GA TE MO TOR	16	GF
	17	SPACE															SPACE	18
	19	SPACE															SPACE	20
	21	SPACE															SPACE	22
	23	SPACE															SPACE	24
	25	SPACE															SPACE	26
	27	SPACE															SPACE	28
	29	SPACE															SPACE	30
	31	SPACE															SPACE	32
								5.8 / 2.0		5.3 / 2.2								

TOTAL CONNECTED LOAD PER PHASE 7.8 / 7.5
TOTAL CONNECTED LOAD PANEL A 15.3 KVA
TOTAL CONNECTED 63.8 AMP

AF - ARC FAULT PROTECTED CIRCUIT BREAKER
GF - GFCI GROUND FAULT PROTECTED C.B.
NC - NO CONCURRENT LOAD
MC- MC CABLE
R- ROMEX

PANEL: AC1
NEMA 3R

CIRCUITS 32
MAIN BREAKER: 200 AMPS
MAIN LUGS: 200 AMPS
K.A.I.C.: 22 AMPS
MOUNTED FLUSH ___ SURFACE X

1 PHASE
3 WIRE
X 240/120V
FEED THRU

TYPE	CKT NO	IDENTIFICATION	WIRE	GND.	COND	CIRCUIT BREAKER TRIP	POLES	LOAD/PHASE (KVA) A	B	C	BREAKER POLES	TRIP	WIRE	GND.	COND	IDENTIFICATION	CKT NO	TYPE
	1							5.4			2	20	12	12	1/2"	CU-1	2	NC1
	3	AHU-1	6	10	1"	50	2		5.4								4	
1	5							5.4			2	20	12	12	1/2"	CU-2	6	NC1
	7	AHU-2	6	10	1"	50	2			5.4							8	
1	9							5.8			2	30	10	10	1/2"	CU-4	10	NC1
	11	AHU-4	4	8	1-1/4"	60	2		5.8								12	
1	13	WINE CELLAR EVAP.	12	12	1/2"	20	1	0.1	1.0		2	20	12	12	1/2"	WINE CELLAR CU BY OTHERS	14	1
	15	GWH#2: RECIRCULATION PUMP	12	12	1/2"	20	1			0.3	1.0						16	
	17	GWH#3: RECIRCULATION PUMP	12	12	1/2"	20	1	0.3	0.5		1	20	12	12	1/2"	EXTERIOR RCPTS	18	
	19	SPACE														SPACE	20	
	21	SPACE														SPACE	22	
	23	SPACE														SPACE	24	
	25	SPACE														SPACE	26	
	27	SPACE														SPACE	28	
	29	SPACE														SPACE	30	
	31	SPACE														SPACE	32	
								17.0 / 1.5		16.9 / 1.0								

TOTAL CONNECTED LOAD PER PHASE 18.5 / 17.9
TOTAL CONNECTED LOAD PANEL A 36.4 KVA
TOTAL CONNECTED 151.7 AMP

AF - ARC FAULT PROTECTED CIRCUIT BREAKER
GF - GFCI GROUND FAULT PROTECTED C.B.
NC - NO CONCURRENT LOAD

1 - CONTRACTOR SHALL FIELD COORDINATE OCPD WITH FINAL EQUIPMENT SELECTION PRIOR TO ORDERING AND INSTALLTION.

PANEL: AC2
NEMA 3R

CIRCUITS 32
MAIN BREAKER: 200 AMPS
MAIN LUGS: 200 AMPS
K.A.I.C.: 22 AMPS
MOUNTED FLUSH ___ SURFACE X

1 PHASE
3 WIRE
X 240/120V
FEED THRU

TYPE	CKT NO	IDENTIFICATION	WIRE	GND.	COND	CIRCUIT BREAKER TRIP	POLES	LOAD/PHASE (KVA) A	B	C	BREAKER POLES	TRIP	WIRE	GND.	COND	IDENTIFICATION	CKT NO	TYPE
	1							5.4			2	50	6	10	1"	CU-3	2	NC
	3	AHU-3	6	10	1"	50	2		5.4								4	
	5							5.8			2	30	10	10	1/2"	CU-5	6	NC
	7	AHU-5	4	8	1-1/4"	60	2		5.8								8	
	9							5.4			2	50	6	10	1"	CU-6	10	NC
	11	AHU-6	6	10	1"	50	2		5.4								12	
	13	GWH#5	12	12	1/2"	20	1	0.3	0.5		1	20	12	12	1/2"	EXTERIOR RCPTS	14	
	15	GWH#1	12	12	1/2"	20	1			0.3	0.5	1	20	12	12	1/2"	SEPTIC TANK PUMP	16	GF
TS	17	LANDSCAPE LTS	12	12	1/2"	20	1	0.5									SPACE	18
TS	19	LANDSCAPE LTS	12	12	1/2"	20	1			0.5							SPACE	20
TS	21	SPARE				20	1										SPACE	22
TS	23	SPARE				20	1										SPACE	24
	25	SPACE															SPACE	26
	27	SPACE															SPACE	28
	29	SPACE															SPACE	30
	31	SPACE															SPACE	32
								17.4 / 0.5		17.4 / 0.5								

TOTAL CONNECTED LOAD PER PHASE 17.9 / 17.9
TOTAL CONNECTED LOAD PANEL A 35.8 KVA
TOTAL CONNECTED 149.2 AMP

AF - ARC FAULT PROTECTED CIRCUIT BREAKER
GF - GFCI GROUND FAULT PROTECTED C.B.
NC - NO CONCURRENT LOAD
MC- MC CABLE
R- ROMEX

HOUSE DEMAND LOAD CALCULATION SERVICE

SF 120/240V 1 PHASE 9264 SQFT	QTY.	UNIT	VA	TOTAL CONNECTED KVA	TOTAL DEMAND KVA
GEN. L.TG.RECEPT. (NEC 220.12 220.14(J)) 9264 SQFT	3			27.8	
SMALL APPLIANCES (NEC 220.52(A))	6	CKT(S)	1500	9.0	
LANDSCAPE LTS	5	EA	500	2.5	
LAUNDRY RCPTS	2	EA	1500	3.0	
TO TAL				42.3	
BATHROOM RECEPTACLES				---	
DEMAND LIGHTING 220.42 (FIRST 3KVA AT 100% REMAINING AT 35%)					16.8 KVA
EQUIPMENT LOAD SUMMARY DEMAND SECTION 220.53					
GA S WA TER HEATER	5	EA	300	1.5	
WA SHER	2	EA	1500	3.0	
DISPOSAL	2	EA	800	1.6	
COFFEE MAKER	1	EA	1600	1.6	
HOOD	3	EA	400	1.2	
DISHW A SHER	2	EA	1440	2.9	
REFRIGERA TOR	1	EA	1400	1.4	
FREEZER	1	EA	1400	1.4	
UC REF.	3	EA	600	1.8	
WINE REF.	1	EA	600	0.6	
ICE MAKER	2	EA	600	1.2	
WINE CELLA R COND.	1	EA	1000	1.0	
GA S FIRE PLA CE	1	EA	200	0.2	
GYM EQUIPMENT	2	EA	800	1.6	
STEAM UNIT	1	EA	9000	9.0	
SAUNA	1	EA	10000	10.0	
ELEVA TOR	1	EA	5000	5.0	
CAR CHARGER	1	EA	9600	9.6	
WA TER SOFTENNER	1	EA	500	0.5	
WA TER FEA TURE	1	EA	700	0.7	
GARAGE DOOR	2	EA	800	1.6	
GA TE DOOR	1	EA	400	0.4	
POOL PUMP	1	EA	2000	2.0	
DEMAND LOAD 75% 220.53					44.8 KVA
EQUIPMENT LOAD SUMMARY DEMAND SECTION 220.55					
COOKING APLIANCES TABLE					
GA S RANGE	1	EA	200	0.2	
UC MICROWA VE	1	EA	1500	1.5	
ELECTRIC COOKTOP	1	EA	10800	10.8	
MICROWA VE/COOB OVEN	1	EA	3100	3.1	
DEMAND LOAD 55% 220.55					8.6 KVA
EQUIPMENT AT 100% NON DEMAND FACTOR					
POOL HEA TER	1	EA	10000	10.0	
CLO THES DRYER	2	EA	200	0.4	
** HEA TING LOAD (240V, 1-PHA SE)				54.0	
** COOLING LOAD (240V, 1-PHA SE)	190	AMPS		45.6	
TO TAL CONNECTED LOAD					64.4 KVA
TO TAL DEMAND LOAD					134.6 KVA

134.6 KVA @240V, 1Ø = 560.7 AMPS

** NON-CONCURRENT LOAD

HOUSE DEMAND LOAD CALCULATION GENERATOR

SF 120/240V 1 PHASE 9264 SQFT	QTY.	UNIT	VA	TOTAL KVA
GEN. L.TG.RECEPT. (NEC 220.12 220.14(J)) 9264 SQFT	3			27.8
BATHROOM RECEPTACLES				---
SMALL APPLIANCES (NEC 220.52(A))	6	CKT(S)	1500	9.0
GA S WA TER HEATER	5	EA	300	1.5
WA SHER	2	EA	1500	3.0
DISPO SAL	2	EA	800	1.6
COFFEE MAKER	1	EA	1600	1.6
HOOD	3	EA	400	1.2
DISHW A SHER	2	EA	1440	2.9
REFRIGERA TOR	1	EA	1400	1.4
FREEZER	1	EA	1400	1.4
UC REF.	3	EA	600	1.8
WINE REF.	1	EA	600	0.6
ICE MAKER	2	EA	600	1.2
WINE CELLA R COND.	1	EA	1000	1.0
GA S FIRE PLA CE	1	EA	200	0.2
GYM EQUIPMENT	2	EA	800	1.6
STEAM UNIT	1	EA	9000	9.0
SAUNA	1	EA	10000	10.0
ELEVA TOR	1	EA	5000	5.0
CAR CHARGER	1	EA	9600	9.6
WA