

SUB PANEL SP2				SECONDARY FEEDER FROM TRANSFORMER									
FED FROM	TRANSFORMER (3-PHASE)	KVA >	AUTO	NUMBER OF CONDUITS		1							
# CIRCUITS			42	CONDUIT SIZE		1 1/2"							
HI VOLTAGE			208	WIRE SIZE L1		#1							
LOW VOLTAGE			120	WIRE SIZE L2		#1							
PHASE			3Y	WIRE SIZE L3		#1							
DESIGN LOAD AMPS			125	WIRE SIZE NEUTRAL		#2							
NEUTRAL BUS			YES	WIRE SIZE GROUND		#6							
GROUND BUS			YES										
AVAILABLE FAULT CURRENT AT THIS PANEL			3,833	PRIMARY FEEDER TO TRANSFORMER									
MAIN BREAKER SIZE AMPS			125	PRIMARY VOLTAGE		480							
				NUMBER OF CONDUITS		1							
				CONDUIT SIZE		3/4"							
				WIRE SIZE L1 L2 & L3		#6							
				WIRE SIZE GROUND		#8							
				TRANSFORMER KVA		45							
				TRANSFORMER GROUND WIRE		#6							
#	BKR	CIRCUIT DESCRIPTION		H	I	VA		VA	I	H	CIRCUIT DESCRIPTION	BKR	#
1	20A-1P	DUPLEX OUTLETS			D	1,440	L1	500	C		TASK LIGHTING	20A-1P	2
3	20A-1P	DUPLEX OUTLETS			D	1,440	L2	500	C		TASK LIGHTING	20A-1P	4
5	20A-1P	DUPLEX OUTLETS			D	1,440	L3	500	C		TASK LIGHTING	20A-1P	6
7	20A-1P	DUPLEX OUTLETS			D	1,440	L1	500	C		TASK LIGHTING	20A-1P	8
9	20A-1P	DUPLEX OUTLETS			D	1,440	L2	500	C		TASK LIGHTING	20A-1P	10
11	20A-1P	DUPLEX OUTLETS			D	1,440	L3	500	C		TASK LIGHTING	20A-1P	12
13	20A-1P	DUPLEX OUTLETS			D	1,440	L1	500	C		TASK LIGHTING	20A-1P	14
15	20A-1P	DUPLEX OUTLETS			D	1,440	L2	1,500	K		REFRIGERATOR	20A-1P	16
17	20A-1P	DUPLEX OUTLETS			D	1,440	L3	1,500	K		FREEZER	20A-1P	18
19	20A-1P	DUPLEX OUTLETS			D	1,440	L1	1,200	K		COFFEE MAKER	20A-1P	20
21	20A-1P	DUPLEX OUTLETS			D	1,440	L2		G		SPACE	20A-1P	22
23	20A-1P	DUPLEX OUTLETS			D	1,440	L3		G		SPACE	20A-1P	24
25	20A-1P	DUPLEX OUTLETS			D	1,440	L1		G		SPACE	20A-1P	26
27	20A-1P	DUPLEX OUTLETS			D	1,440	L2		G				28
29	20A-1P	DUPLEX OUTLETS			D	1,440	L3		G				30
31	20A-1P	DUPLEX OUTLETS			D	1,440	L1		G				32
33	20A-1P	DUPLEX OUTLETS			D	1,440	L2		G				34
35	20A-1P	DUPLEX OUTLETS			D	1,440	L3		G				36
37	\ /	\ /			M	3,400	L1		G				38
39	20A-3P	AC UNIT #1			M	3,400	L2		G				40
41	/ \	/ \			M	3,400	L3		G				42