

LOAD CALCULATIONS FOR "PANEL HP1"

	L1	L2
CALCULATED LOAD - NEC 215	18,200 VA	15,750 VA
CALCULATED LOAD WITH DEMAND FACTORS		
GENERAL LOAD	0 VA	0 VA
RECEPTACLE LOAD (NEC TABLE 120.47)		
1ST 10,000W	5,556 VA	4,444 VA
REMAINDER @ 50%	972 VA	778 VA
CONTINUOUS LOAD - NEC 215.4(A)(1)	9,000 VA	7,200 VA
PLUS 25%	2,250 VA	1,800 VA
MOTOR LOAD - NEC 430.24	0 VA	0 VA
PLUS 25% OF LARGEST MOTOR	0 VA	0 VA
11 - KITCHEN LOADS - NEC 120.56		
L1 (1,700 X 0.65) =	1,105 VA	
L2 (2,550 X 0.65) =		1,658 VA
TOTAL BALANCED LOAD (1-PHASE)	15,880 VA	15,880 VA
TOTAL UNBALANCED LOAD (1-PHASE)	3,003 VA	0 VA
NEUTRAL LOAD		
LINE AMPS BALANCED (1-PHASE)	132.3 A	132.3 A
LINE AMPS UNBALANCED (1-PHASE)	25.0 A	0.0 A
TOTALS	157.3 A	132.3 A
ADJUSTMENT FACTOR	0.0 A	0.0 A
TOTAL DESIGN LOAD	157.3 A	132.3 A

KEY

A - Amps

VA - Volt Amps