

LOAD CALCULATIONS FOR "PANEL HP1"

	L1	L2
CALCULATED LOAD	6,200 VA	4,800 VA
CALCULATED LOAD WITH DEMAND FACTORS		
GENERAL LOAD	0 VA	0 VA
RECEPTACLE LOAD (NEC TABLE 120.47)		
1ST 10,000W	2,800 VA	1,400 VA
CONTINUOUS LOAD (NEC 215.2)	1,400 VA	1,400 VA
PLUS 25%	350 VA	350 VA
MOTOR LOAD (NEC 430.24)	2,000 VA	2,000 VA
PLUS 25% OF LARGEST MOTOR	500 VA	500 VA
11 - KITCHEN LOADS (NEC TABLE 120.56)		
L1 (0 X 0.65) =	0 VA	
L2 (0 X 0.65) =		0 VA
TOTAL BALANCED LOAD (1-PHASE)	5,650 VA	5,650 VA
TOTAL UNBALANCED LOAD (1-PHASE)	1,400 VA	0 VA
LINE AMPS BALANCED (1-PHASE)	47.1 A	47.1 A
LINE AMPS UNBALANCED (1-PHASE)	11.7 A	0.0 A
NON RESIDENTIAL LOAD	58.8 A	47.1 A
ADJUSTMENT FACTOR	0.0 A	0.0 A
TOTAL DESIGN LOAD	58.8 A	47.1 A

KEY

A - Amps

VA - Volt Amps