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## DEMAND CALCULATIONS - COMMERCIAL & INDUSTRIAL

OWNER \_\_\_\_\_  
 JOB ADDRESS \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_

DATE \_\_\_\_\_  
 PAGE \_\_\_\_\_  
 SERVICE     FEEDER

	PHASE V.A.	NEUTRAL V.A.
GENERAL LIGHTING LOADS (220-12), (TABLE 220-42), (TABLE 220-44), (220-44)		
_____ SQ. FT. X _____ V.A. X _____ % =	_____	_____
GENERAL LIGHTING LOADS (noncontinuous)		
_____ SQ. FT. X _____ V.A. X _____ % =	_____	_____
GENERAL RECEPTACLES (220-14 (H) (I))		
NUMBER OF RECEPTACLES _____ X 180 V.A. = _____ V.A.	_____	_____
FIRST 10 KVA AT 100% =	_____	_____
REMAINING _____ V.A. X .5 =	_____	_____
SPECIFIC RECEPTACLES RECEPTACLES _____ X _____ V.A. X _____ % =	_____	_____
TRACK LIGHTING (220-43(B)) _____ FT. ÷ 2 X 180 V.A. =	_____	_____
SHOW WINDOW LIGHTING (220-14(G)) _____ FT. X 200 V.A. =	_____	_____
EXTERIOR LIGHTING _____ UNITS X _____ V.A. X _____ % =	_____	_____
SIGN LIGHTING LOADS (220-14(F)) _____ V.A. X _____ % =	_____	_____
MULTIOUTLET ASSEMBLES (220-12(H)) HEAVY DUTY _____ FT. X 180 V.A. =	_____	_____
LIGHT DUTY _____ FT. ÷ 5 X 180 V.A. =	_____	_____
MISCELLANEOUS AND SPECIAL LOADS		
ITEM _____ - _____ V.A. X _____ % =	_____	_____
ITEM _____ - _____ V.A. X _____ % =	_____	_____
ITEM _____ - _____ V.A. X _____ % =	_____	_____
ITEM _____ - _____ V.A. X _____ % =	_____	_____
ELECTRIC HEATING LOADS (220-51, 424) (enter 0 if A/C is larger)		
AIR CONDITIONING LOADS (430-24, 430-25, 430-26, 440) (enter 0 if electric heat is larger)		
MOTOR LOADS (220-14(C), 430-25, 430-22, 430-24, 440.6)		
_____ HP.- _____ A. X _____ V.* X _____ % =	_____	_____
_____ HP.- _____ A. X _____ V.* X _____ % =	_____	_____
_____ HP.- _____ A. X _____ V.* X _____ % =	_____	_____
_____ HP.- _____ A. X _____ V.* X _____ % =	_____	_____
<b>*FOR 208V 3Ø USE 360V -- FOR 480 3Ø USE 830V</b>		
LARGEST MOTOR (220-14c, 430-24, 430-25, 430-2)		
PHASE _____ V.A. X .25 =	_____	_____
NEUTRAL _____ V.A. X .25 =	_____	_____
<b>TOTAL BUILDING V.A. DEMAND =</b>	_____	_____
VOLTAGE _____		
PHASE _____		

V.A. - \_\_\_\_\_ = \_\_\_\_\_ AMPS  
 VOLTS - \_\_\_\_\_

V.A. - \_\_\_\_\_ = \_\_\_\_\_ AMPS  
 VOLTS - \_\_\_\_\_

FOR 3 PHASE 208 USE 360 VOLTS; FOR 3 PHASE 480 USE 830 VOLTS  
 FOR A.C. USE 7 AMPS PER TON FOR 3 PHASE AND 10 AMPS PER TON FOR 1 PHASE  
 OFFICE SPACE 3 1/2 V.A. PLUS 1 V.A. FOR RECEPTACLES, STORES 3 V.A.

SIGNATURE \_\_\_\_\_  
 OF PREPARER \_\_\_\_\_  
 DATE \_\_\_\_\_