

• 2322 *Maverick* •

Yolanda Willard 7/26/89

FIR DWELLINGS - N.E.C. 220 - USING STANDARD CALCS.

City Copy 2322 Maverick

N.E.C. ART. 220

GENERAL LIGHTING LOAD

1400 SQ. FT. FLOOR AREA

3 W. PER SQ. FT. 4200

W ÷ 115V = A

MINIMUM BRANCH CIRCUITS REQ. 220-30

MINIMUM 500 SQ. FT. PER CIRCUIT.

2 WIRE CIRCUITS OF 15A

2 WIRE CIRCUITS OF 20A

R-91

SMALL APPLIANCE LOAD

MINIMUM OF 3000 W. (2 CIRCUITS)

2 WIRE CIRCUITS OF 20A

BRANCH CIRCUIT LOADS

GENERAL LIGHTING 4200

SMALL APPLIANCE + LAUNDRY 4500

TOTAL BASIC LOAD 8700

1st 3000 W. AT 100% 3000

REMAINDER AT 35% 1995

NET COMPUTED BASIC LOAD 4995

ELECT. RANGE - 220-19 8000

CLOTHES DRYER - 220-18 5000

AIR COOLING Heat Pump 14000

SPACE HEATING

FIXED APPLIANCES

H W Heater 4500

Disposal 840

Dishwasher 1200

TOTAL WATTS AT 75% 6540

TOTAL DEMAND LOAD 3853.5

NOTE: THIS SHEET IS TO BE USED WITH N.E.C. 1981 EDITION AND CITY OF LAS VEGAS SUPPLEMENT.

NOTE: THE AMBIENT TEMP. IN THE CITY OF LAS VEGAS IS 31° TO 40° SEE N.E.C. TABLE 310-16

NOTE: SMALLER LOAD OF AIR/COND OR SPACE HEATING MAY BE OMITTED - N.E.C. 220-21.

PLANS APPROVED - ELECTRICAL. DOES NOT INCLUDE PLUMBING OR CONSTRUCTION. MAKE NO CHANGE WITHOUT APPROVAL. APPROVAL OF PLAN IS NOT A PERMIT TO VIOLATE ANY ORDINANCE.

DATE
ELECTRICAL DEPT. - CITY OF LAS VEGAS

IF FOUR OR MORE FIXED APPLIANCES ARE SERVED BY SAME ELECTRICAL DEMAND MAY BE USED CITY OF LAS VEGAS

DS MAY 23 1989

Does Not Include Plumbing or Construction

3853.5 W ÷ 240 = 160 AMPS

SIZE OF CONDUCTORS Number Or Amps

GROUNDING CONDUCTOR SIZE #4 Copper

NOTE: SERVICE ENTRANCE CONDUCTORS

SHALL BE SIZED TO SERVICE PANEL

NOT TO CALCULATED DEMAND LOAD.

200 amp Service