

7120 Doe

2139/89

LOAD CALCULATION  
USING "OPTIONAL METHOD" OF THE NEC

*not permitted*  
LIVING SPACE OF HOME  
2817 SQ. FT.

| OTHER LOAD          |  | kVA  |
|---------------------|--|------|
| 2817 SQ FT AT 3 VA  |  | 8.45 |
| 3 SMALL APPL. @ 1.5 |  | 4.50 |
| LAUNDRY             |  | 1.50 |
| DISHWASHER          |  | 1.20 |
| DRYER               |  | 5.00 |
| WATER HEATER        |  | 5.10 |
| VACUM               |  | 1.50 |
| GARBAGE DISP        |  | 1.20 |
| OVER/MICROWAVE UNIT |  | 5.10 |
| COOKTOP             |  | 5.10 |

TOTAL OTHER 38.65

|                     |       |
|---------------------|-------|
| FIRST 10 KVA @ 100% | 10.00 |
| REMAINING @ 40%     | 11.46 |
|                     | 21.46 |

|                       |       |
|-----------------------|-------|
| AIR CONDITIONING      |       |
| 2 FOUR TON HEAT PUMPS | 20.16 |

TOTAL LOAD IN KVA 41.62

|                        |        |
|------------------------|--------|
| TOTAL LOAD IN AMPERAGE |        |
| (41.62 X 1000) / 240   | 173.42 |

200 AMP SERVICE WITH UNDERGROUND FEED WILL BE USED

*400 Amp Service required*

*7120 Doe*

*City copy*