

NOTES:

2x6 RAFTER

2x4 STRUTS

2x4 PLATE

1. REPRIGERATION: MANY VEGETABLES ARE BEST STORED AT 32°F, SOME AT 45°F AND OTHERS, LIKE TOMATOES, CLOSER TO 55°F. USUALLY A COMPROMISE IS MADE - ACCEPTING SOMEMANT SHORTER SHELF LIFE FOR A LESS COSTLY AMERIC THOMESCATURE. WITH BOX TEMPERATURES SELOW 40°- 45°F (DEPENDING ON EQUIPMENT CHOICES), DEFROSTING IS NEEDED FOR COILS. TO ANOID PREEZING OF COILS, OPERATE ABOVE THIS RANGE. CONTINGUES OF FROST BUILD-UP AND IMPROVE AIR CIRCULATION.

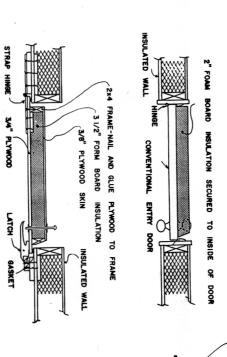
ASSUMING A TEMPERATURE DIFFERENCE OF 50 T BETWEEN INSIDE AND OUTSIDE AIR AND USENG 4000 ETU/HR FOR THE HEAT LAAD DUE TO COMPUCTION THROUGH SURFACES AND AIR EXCHANGE, A 3/4 PP UNIT (ABOUT 9000 ETU/HR) SHOULD COOL 1/4 TON IN 5 HOURS. A 1 HP UNIT SHOULD COOL 1/2 TON IN 5 HOURS. WORE VECETABLES COULD BE COOLED WITH LESS THAN A 50 T PEMPERATURE DEFFERENCE OR IF VECETABLES WERE BROUGHT IN AT A TEMPERATURE LESS THAN THAT OF THE DAY.

- 2. FRESH AIR: GOOD SANITATION AND MANAGEMENT REDUCES THE NEED FOR FRESH AIR: ORDINARILY THE DOOR WILL BE OPENED OFTEN BROUGH TO SUPPLY FRESH AIR. IF NOT, A SMALL GO CRY FAN COULD BE INSTALLED NEAR THE CEILING IN ONE END TO BLOW AIR CHITCO THE BOX, WITH ANOTHER SIMILARILY SIZED OPENING AT THE OTHER BOTH OF RELEASE THE AIR. A FLAP SHOULD BE INSTALLED TO CLOSE BOTH OPENINGS WHEN THE FAN IS OFF, OPENINGS SHOULD BE COVERED WITH SCREEN KNOWLEDGE OF PRODUCE NEEDS IS CHECKED. ILE THYLENE TO WHICH SOME OTHER PRODUCTS ARE SENSITIVE. FRESH AIR DILUTES THE ETHYLENE.
- SHELVING: PERFORATED OR EXPANDED METAL TREATED TO PREVENT RUST WOULD INSURE BETTER AIR CIRCULATION. METAL POST AND SHELF SUPPORTS WOULD BE A FURTHER IMPROVEMENT. NOTE 20" SHELF BEPTH MAY BE TOO MARROW FOR SOME OPERATORS. PRESERVATIVE TREATED SHELF SUPPORTS AND SHELVING WOULD LENGTHEN LIFE BUT BE SURE THAT THE PRESERVATIVE IS APPROVED LENGTHEN LIFE BUT BE SURE THAT THE PRESERVATIVE IS APPROVED FOR THIS USE.
- INSULATION: TO MINIMIZE SURFACE HEAT EXCHANGE USE R 19 INSULATION WITH 2-6 STUDS, 24" O.C., BUT MANY OPERATORS PREFER THE EXTRA 4" OF INTERIOR WITH THAT 2-4 STUDS PROVIDE. NOTE: A PLASTIC STRIP CURTAIN INSIDE OF DOOR REDUCES HEAT GAIN WHEN OPENING DOOR.
- 5 LAMPS SHOULD BE INSTALLED AS NEEDED BUT USED SPARINGLY TO REDUCE HEAT GAIN.

ALTERNATIVE DOOR DETAILS

PROVIDE INSIDE LATCH RELEASE TO ASSURE SAFE OPERATION

TO SCALE)





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