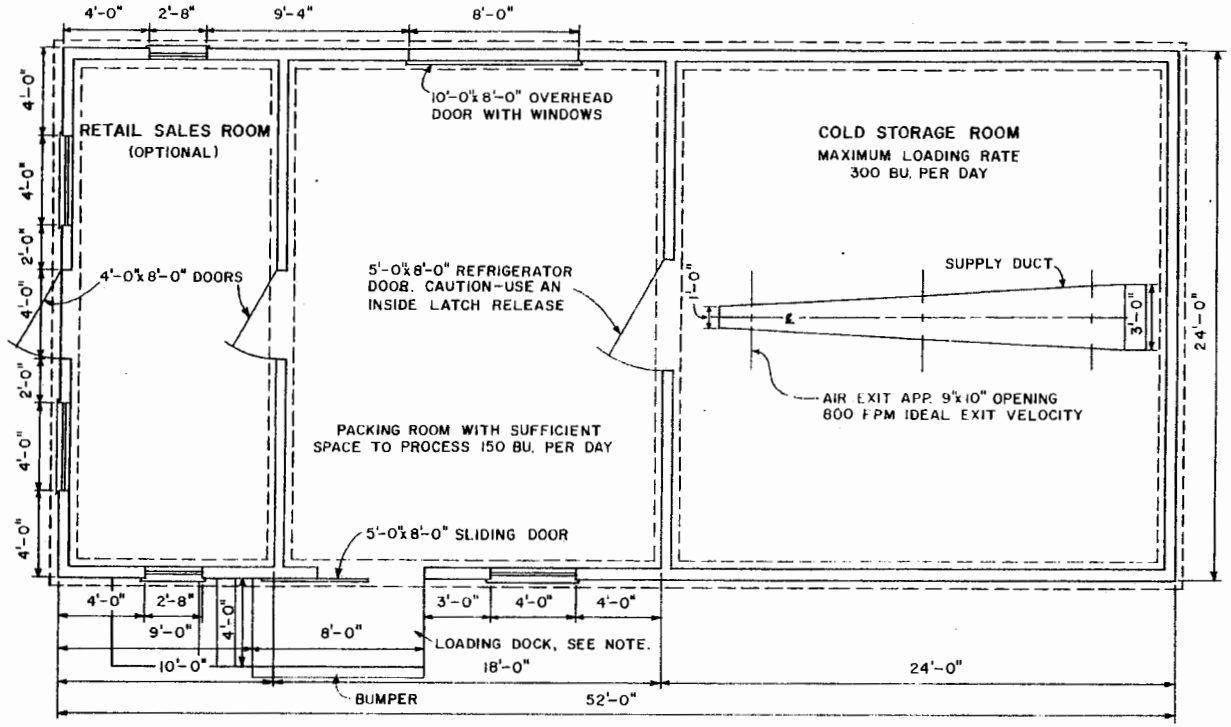
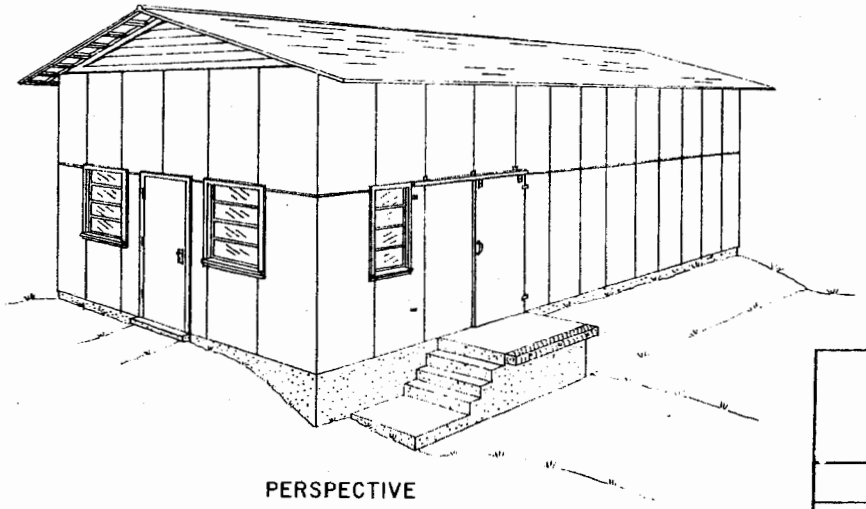


FLOOR PLAN
SCALE: 1/4"=1'-0"

NOTE:
IF THE NATURAL GRADE DOES NOT ALLOW SUFFICIENT DOCK HEIGHT, PROVIDE A PIT RAMP WITH EITHER NATURAL TILE DRAINAGE OR A DRYWELL. INSTALL STEPS WHERE NEEDED.



PERSPECTIVE

CAPACITY: 3000 BUSHELS

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STORAGE BUILDING FOR FRUIT

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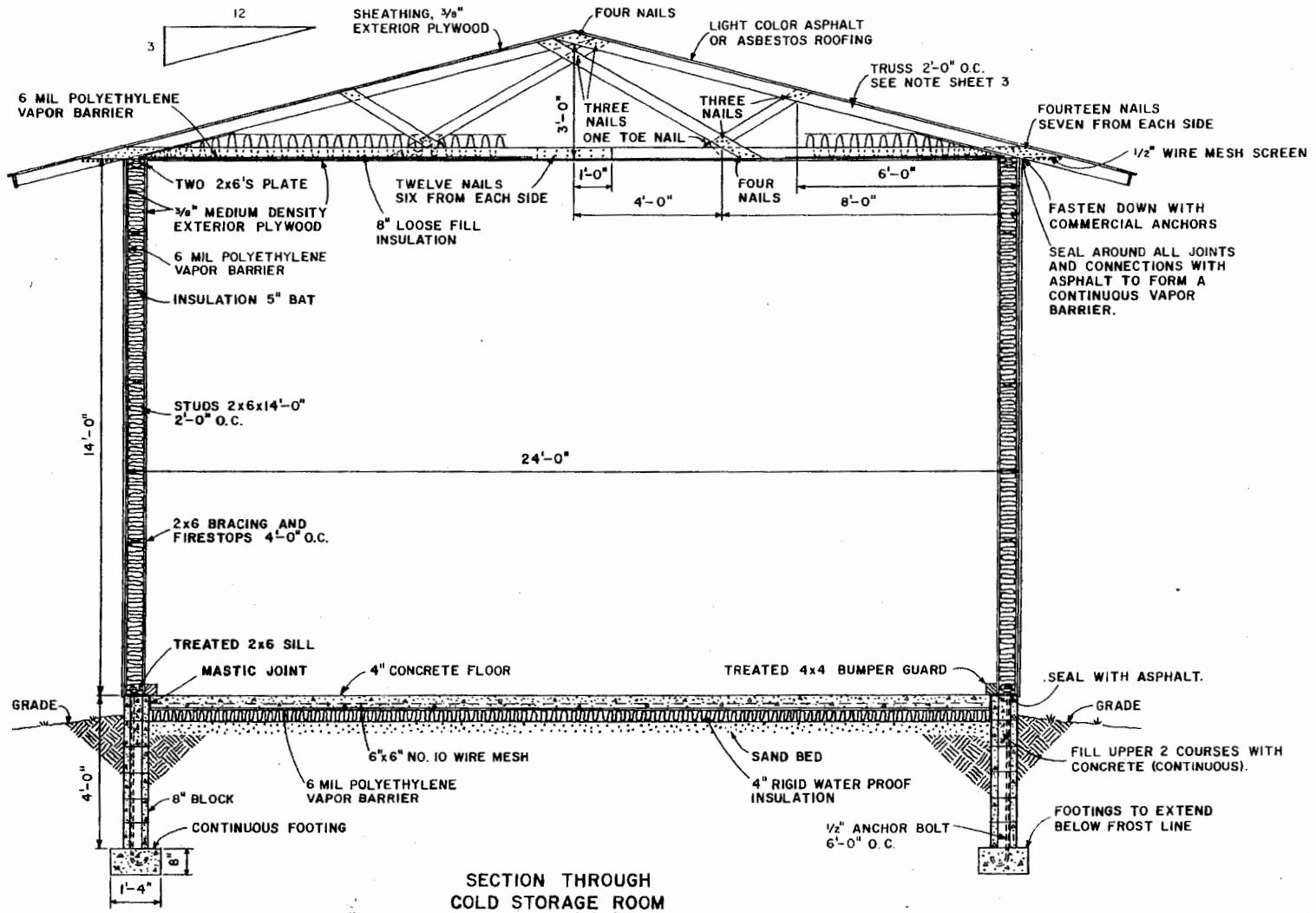

SECTION THROUGH
COLD STORAGE ROOM
SCALE: 1/2"=1'-0"

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FOR FRUIT

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NOTES:

TRUSS:

THIS TRUSS IS DESIGNED TO SUPPORT LOADS UP TO 70 LBS. PER FOOT OF SPAN, INCLUDING THE WEIGHT OF THE ROOF.

ALL LUMBER SHALL BE STRESS GRADED TO PROVIDE 1500 P.S.I. FIBER STRESS IN BENDING, AND 1350 P.S.I. IN COMPRESSION.

MATERIALS FOR ONE TRUSS:

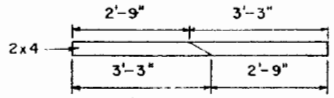
TOP CHORD	2 PCS.	2x4x16'-0"
BOTTOM CHORD	2 PCS.	2x4x14'-0"
LONG WEBS	1 PC.	2x4x14'-0"
SHORT WEBS	1 PC.	2x4x6'-0"
NAILS	2¼ LBS.	20d COMMON

ALL PROJECTING NAILS ARE TO BE CLINCHED.

NOTES:

COLD STORAGE	24'-0"x24'-0"x14'-0" CEILING HEIGHT.
PACKING SHED	18'-0"x24'-0"x14'-0"
SALES AREA	10'-0"x24'-0"x14'-0"

ROOF LINE CONTINUOUS OVER 52'-0"x24'-0" TOTAL AREA.
BLDG. DESIGNED FOR 30 P.S.F. SNOW LOAD AND 15 P.S.F. WIND LOAD.
LOADING RATE 300 BUSHELS PER DAY.



CUTTING DIAGRAM FOR SHORT WEB

(ALL OTHER CUTS MADE AFTER THE TRUSS IS ASSEMBLED)

SCALE: 1/2"=1'-0"

NOTES:

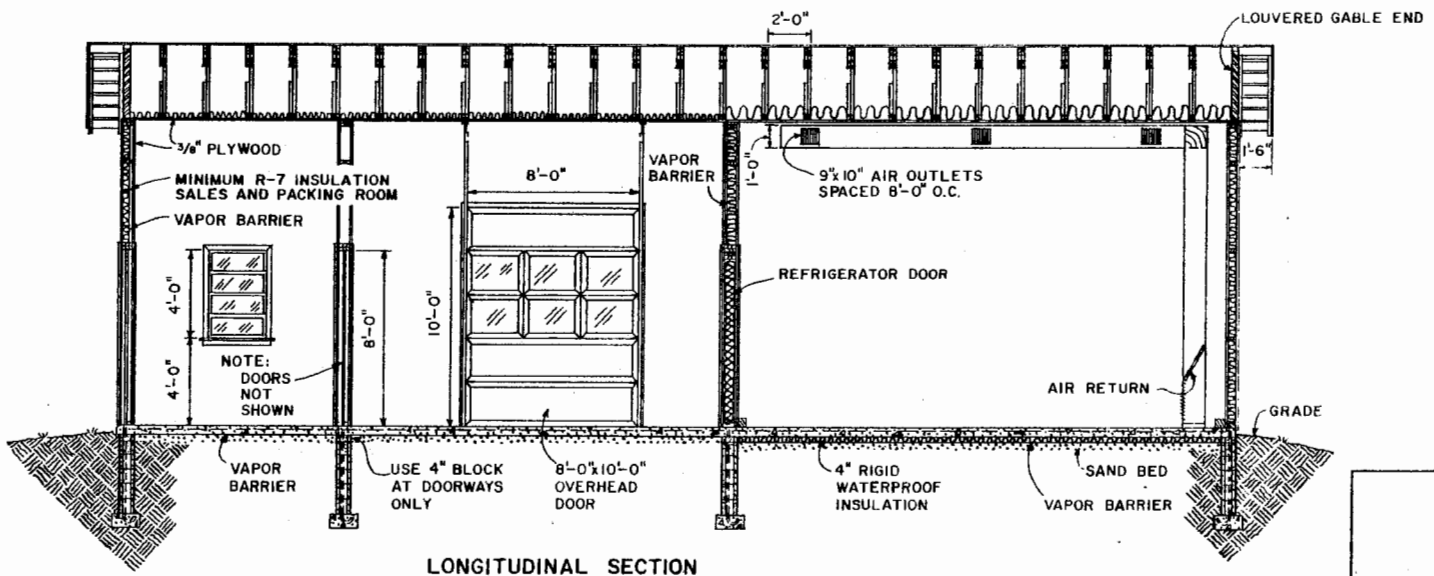
TOTAL HEAT LOSS:

CONDUCTION	4,629 BTU/HR
FIELD HEAT	25,925 BTU/HR
RESPIRATION	3,136 BTU/HR
INCIDENTAL	3,369 BTU/HR
TOTAL	37,059 BTU/HR

12,000 BTU/HR=1 TON OF REFRIGERANT

3.08 TONS COOLING REQUIRED

SPECIFY A 3½ TON UNIT TO OPERATE AT 32° F. WITH 85 TO 90% RELATIVE HUMIDITY AND AN AIR FLOW RATE OF 3,000 C.F.M. AT VELOCITIES OF 800 FEET PER MINUTE AT DUCT EXITS.



LONGITUDINAL SECTION

SCALE: 1/4"=1'-0"

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STORAGE BUILDING FOR FRUIT

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Disclaimer

This site makes available conceptual plans that can be helpful in developing building layouts and selecting equipment for various agricultural applications. These plans do not necessarily represent the most current technology or construction codes. They are not construction plans and do not replace the need for competent design assistance in developing safe, legal and well-functioning agricultural building system. The LSU Agriculture Center, the Mid-West Plan Service, the United States Department of Agriculture and none of the cooperating land-grant universities warranty these plans.