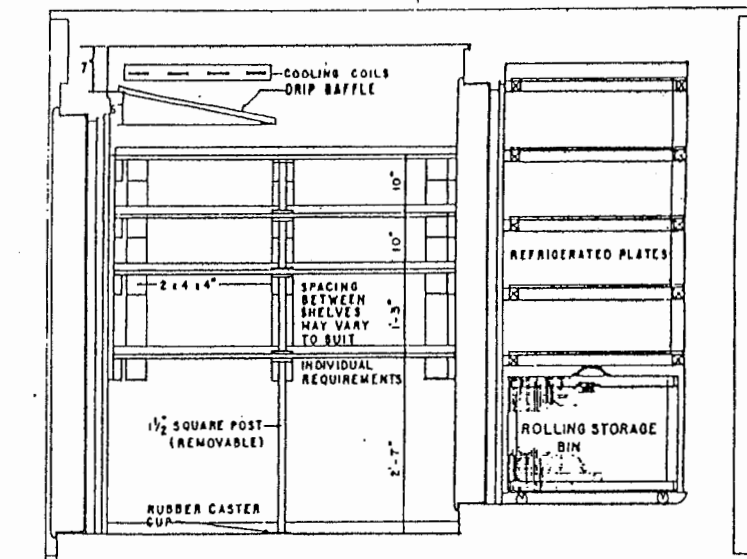
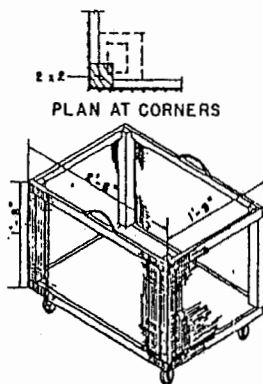
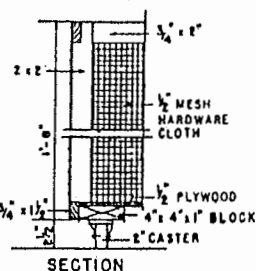
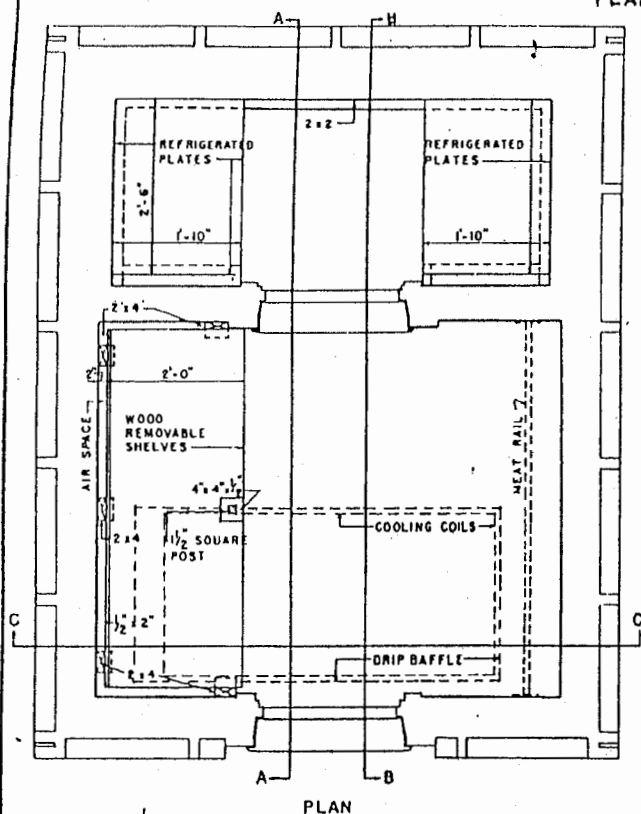


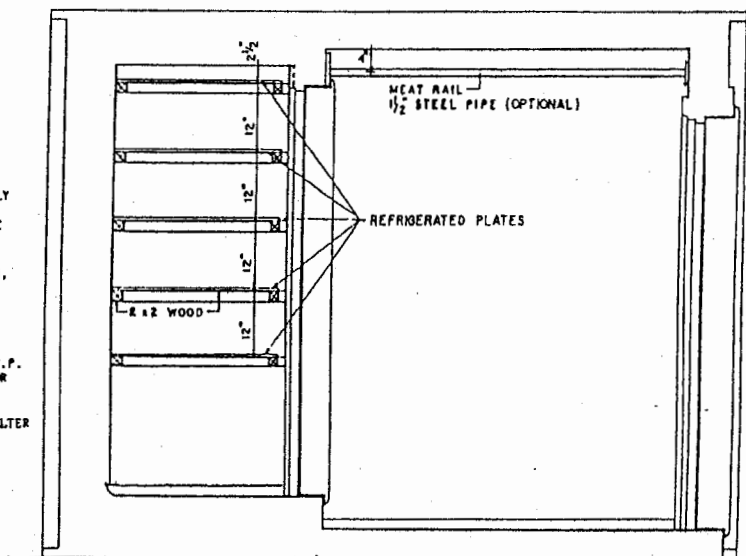
PLAN AND SECTIONS SHOWING SHELVING AND OTHER INTERIOR DETAILS



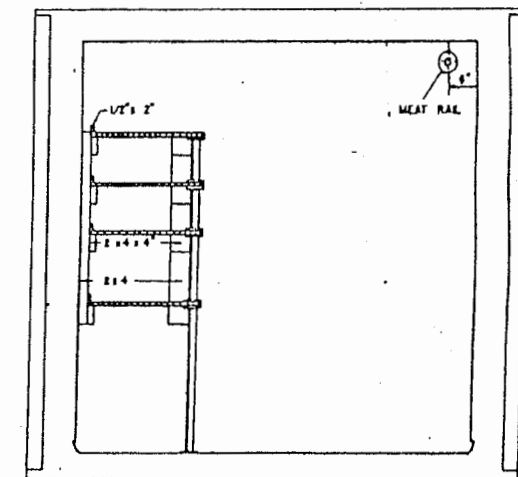
SECTION A-A

NOTES

1. INVESTIGATE THE COST AND AVAILABILITY OF COMMERCIALY AVAILABLE UNITS BEFORE BUILDING YOUR OWN.
2. INSULATION: CORK HAS BEEN WIDELY USED BUT THERE NOW ARE MANY WATER RESISTANT CLASS SLAG AND POLYMER INSULATIONS THAT ARE AVAILABLE IN SHEET OR BLOCK FORM, HAVE BETTER R VALUES, AND ARE AS RESISTANT TO COMPRESSION AS CORK.
3. VAPOR BARRIERS: VAPOR BARRIER PAPERS HAVE BEEN LARGELY REPLACED BY POLYETHYLENE. A 6 MIL. OR HEAVIER FILM IS RECOMMENDED. IT SHOULD BE STRONG ENOUGH TO RESIST TEARING. ANY TEARS OR NAIL HOLES AS WELL AS JOINTS AND EDGES WHERE OPENINGS SHOULD BE TIGHTLY SEALED WITH ASPHALT OR A VAPOR BARRIER SEALING TAPE.
4. FROST UPHEAVAL: FROST CAN ULTIMATELY BUILD UP IN SOIL UNDER THE FREEZER AND RAISE THE FLOOR. WITH A CONCRETE FLOOR UNDER THE INSULATION THERE SHOULD BE ENOUGH SIDEWIS COLD LOSS TO AVOID THIS PROBLEM. IF FREEZER FLOOR WERE MADE MUCH LARGER THAN SHOWN, AIR VENTILATION SHOULD BE PROVIDED BETWEEN FLOOR INSULATION AND SOIL, I.E. 4" AIR DUCTS 4'-0" O.C.
5. FREEZER DOOR: ALTHOUGH ADEQUATE DOORS CAN BE CONSTRUCTED ON SITE, PURCHASE OF READY MADE DOORS AND FRAME ARE RECOMMENDED.
6. REFRIGERATION SYSTEM: SEEK ASSISTANCE FROM AN EXPERIENCED REFRIGERATION (AS COMPARED WITH AIR CONDITIONING) FIRM. A 3/4 H.P. COMPRESSOR SHOULD BE SUFFICIENT FOR FREEZER ROOM AND 1/2 H.P. FOR CHILLROOM. PROVISIONS WILL BE NEEDED FOR MOUNTING COMPRESSOR, CONDENSER, AND CONTROLS OUTSIDE OF CABINETS.
7. WEATHER PROTECTION: THIS UNIT NEEDS WEATHER PROTECTION (I.E. SHELTER WITHIN ANOTHER STRUCTURE).



SECTION B-B



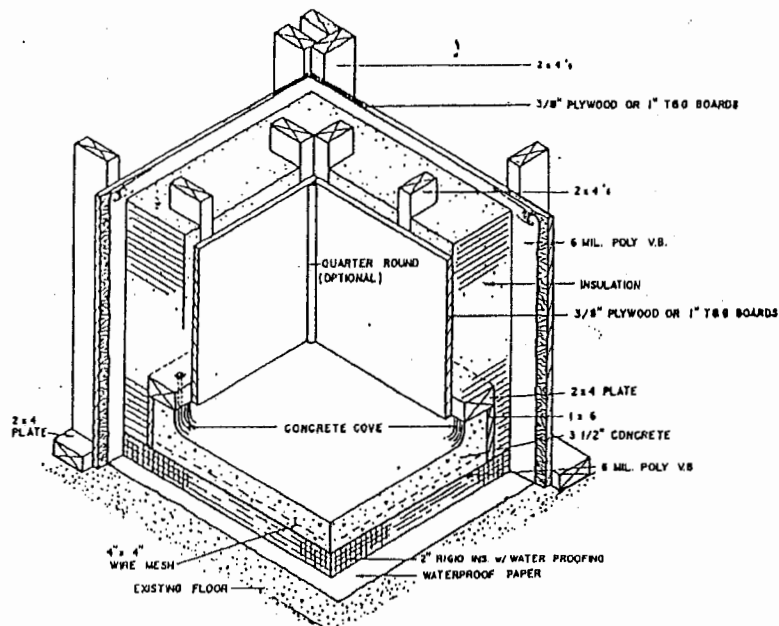
SECTION C-C

DRAWINGS NOT TO SCALE

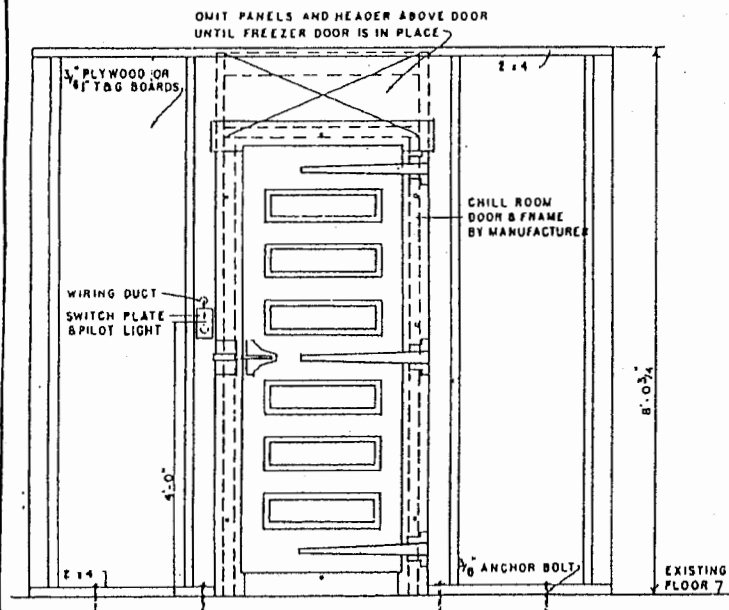


TWO-TEMPERATURE WALK-IN
REFRIGERATOR

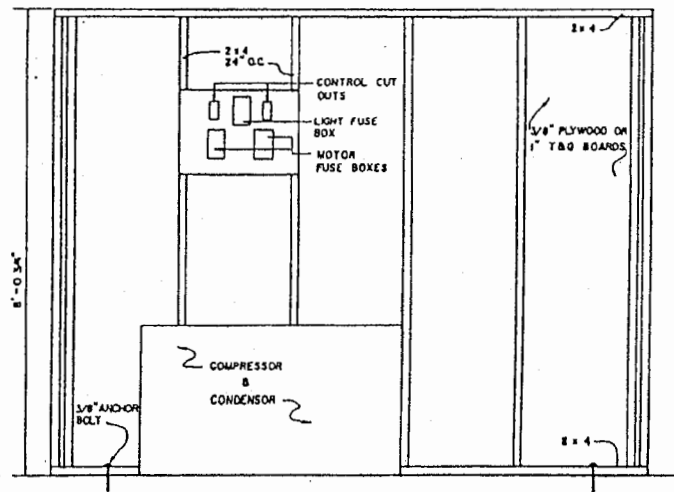
USDA '54	6386	SHEET 2 OF 3
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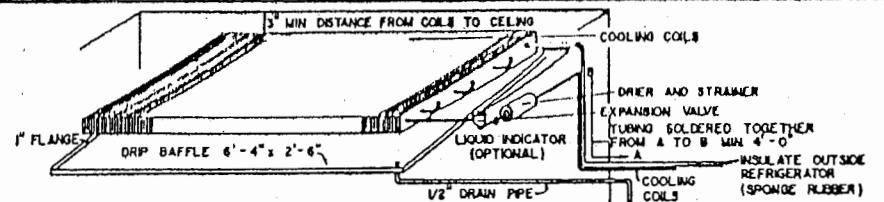
CORNER DETAIL



FRONT VIEW

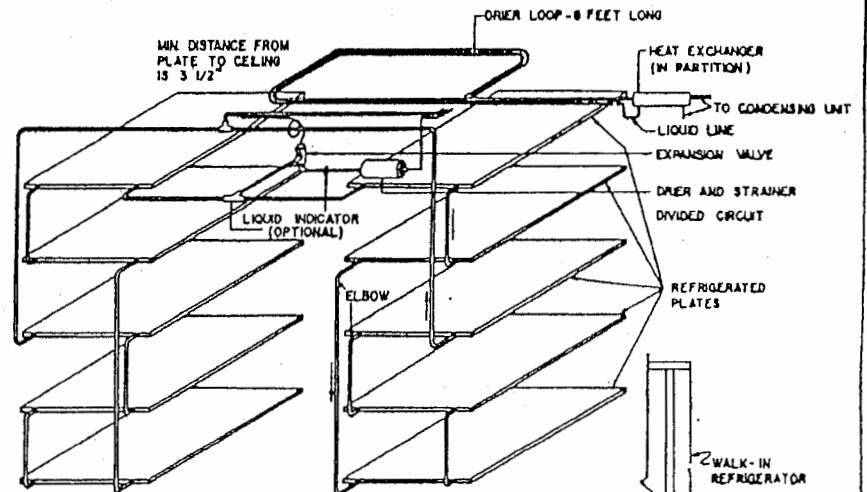


SIDE VIEW



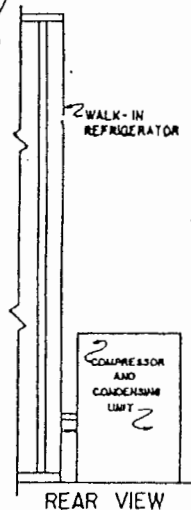
DETAIL OF EVAPORATOR (COOLING) COILS IN CHILL ROOM

NOTE: -VERTICAL ORIENTATION NEAR CEILING IS ALSO ACCEPTABLE.
-THE USE OF A BLOWER WILL PERMIT SMALLER COIL.



DETAIL OF REFRIGERATED PLATES IN FREEZER

NOTE: -CONSULT YOUR LOCAL SUPPLIER FOR MOST ECONOMICAL DESIGN.
-AUTOMATIC DEFOST SYSTEM WILL REQUIRE A COIL INSTEAD OF PLATES.



REAR VIEW

DRAWINGS NOT TO SCALE



TWO-TEMPERATURE WALK-IN REFRIGERATOR

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REV '87		

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.