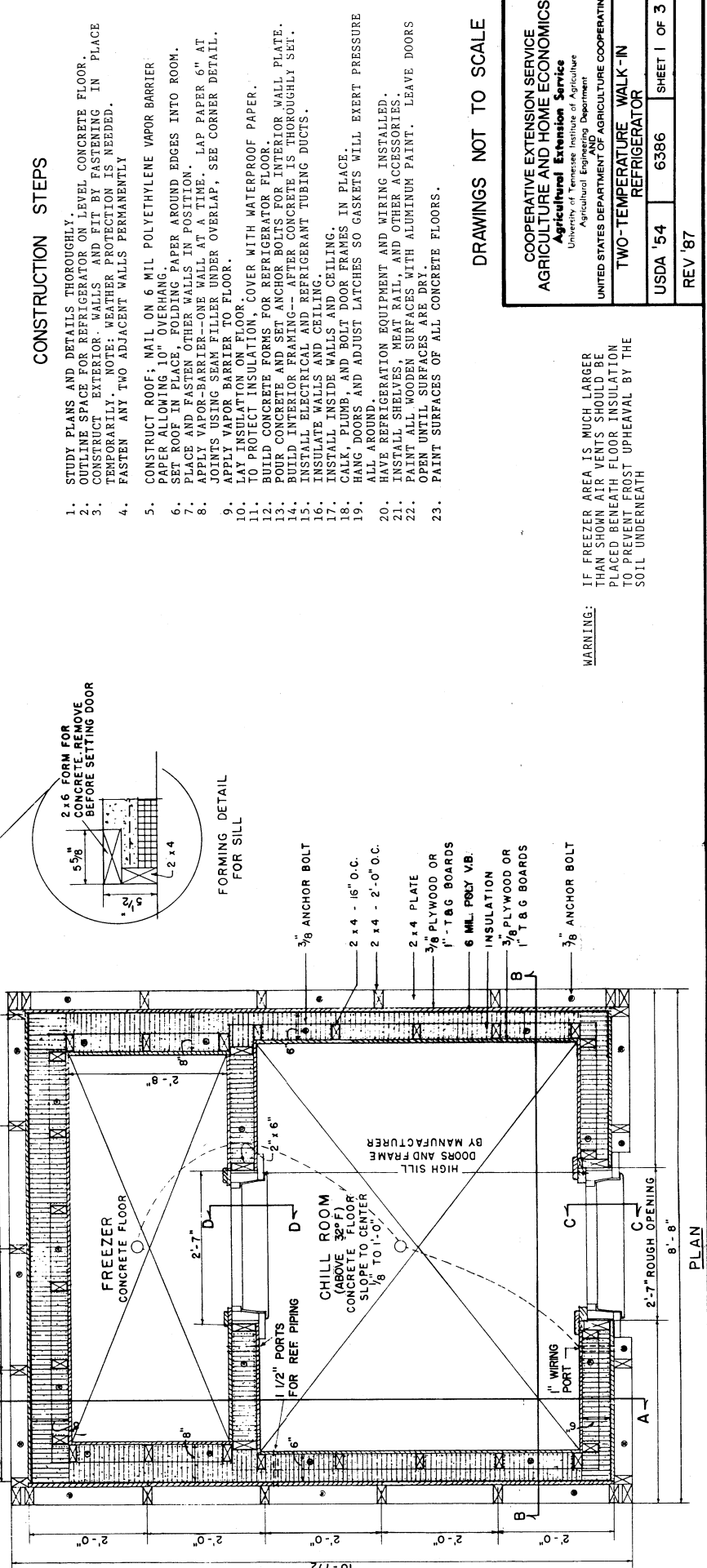


SECTION A-A

SECTION B-B

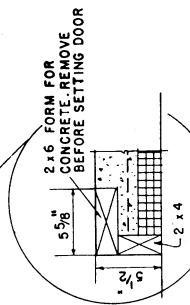
SECTION C-C

SECTION D-D



CONSTRUCTION STEPS

1. STUDY PLANS AND DETAILS THOROUGHLY.
2. OUTLINE SPACE FOR REFRIGERATOR ON LEVEL CONCRETE FLOOR.
3. CONSTRUCT EXTERIOR WALLS AND FIT BY FASTENING IN PLACE TEMPORARILY. NOTE: WEATHER PROTECTION IS NEEDED.
4. FASTEN ANY TWO ADJACENT WALLS PERMANENTLY.
5. CONSTRUCT ROOF: NAIL ON 6 MIL POLYETHYLENE VAPOR BARRIER PAPER LEAVING 10" OVERHANG.
6. SET ROOF IN PLACE FOLDING PAPER AROUND EDGES INTO ROOM.
7. PLACE AND FASTEN OTHER WALLS IN POSITION.
8. APPLY VAPOR BARRIER—ONE WALL AT A TIME*. LAP PAPER 6" AT JOINTS USING SEAM FILLER UNDER OVERLAP, SEE CORNER DETAIL.
9. APPLY VAPOR BARRIER TO FLOOR.
10. LAY INSULATION ON FLOOR. COVER WITH WATERPROOF PAPER.
11. TO PROTECT INSULATION, COVER WITH REFRIGERATOR PAPER.
12. POUR CONCRETE AND SET ANCHOR BOLTS FOR INTERIOR WALL PLATE.
13. BUILD INTERIOR FRAMING— AFTER CONCRETE IS THOROUGHLY SET.
14. INSTALL ELECTRICAL AND REFRIGERANT TUBING DUCTS.
15. INSULATE WALLS AND CEILING.
16. INSTALL INSIDE WALLS AND CEILING.
17. HANG DOORS AND ADJUST LATCHES SO GASKETS WILL EXERT PRESSURE ALL AROUND.
18. CALK PLUMB AND BOLT DOOR FRAMES IN PLACE.
19. HANG DOORS AND ADJUST LATCHES SO GASKETS WILL EXERT PRESSURE ALL AROUND.
20. HAVE REFRIGERATION EQUIPMENT AND WIRING INSTALLED.
21. INSTALL SHELVES, MEAT RAIL, AND OTHER ACCESSORIES.
22. PAINT ALL WOODEN SURFACES WITH ALUMINUM PAINT. LEAVE DOORS OPEN UNTIL SURFACES ARE DRY.
23. PAINT SURFACES OF ALL CONCRETE FLOORS.



FORMING DETAIL FOR SILL

DRAWINGS NOT TO SCALE

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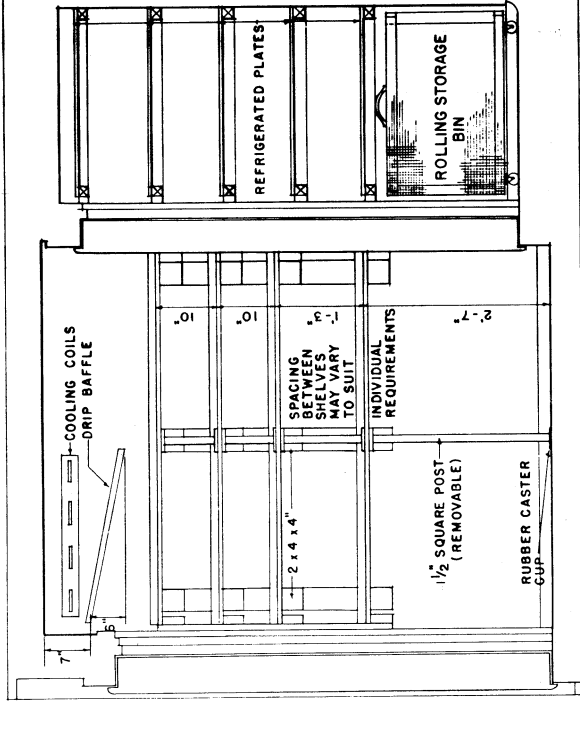
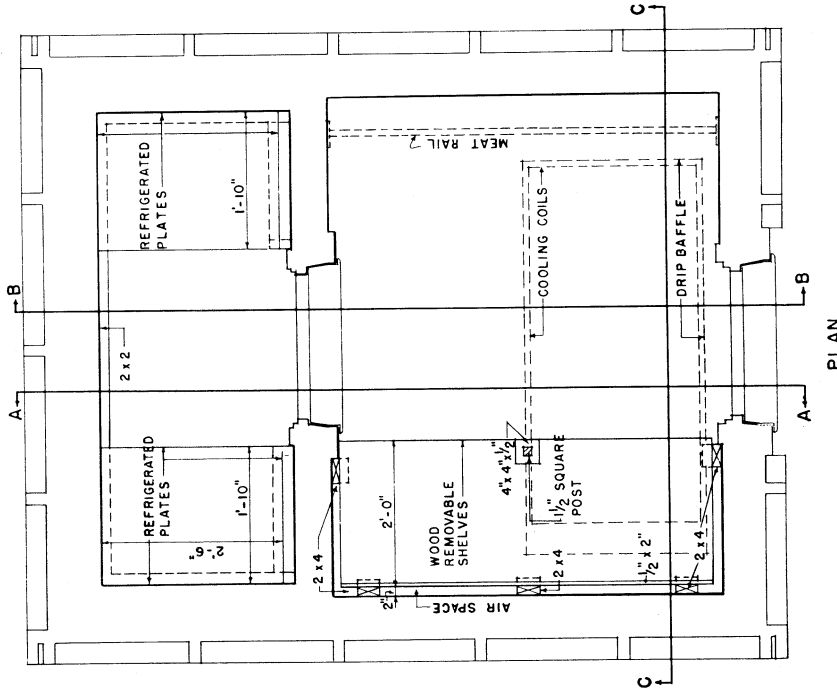
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

TWO-TEMPERATURE WALK-IN REFRIGERATOR

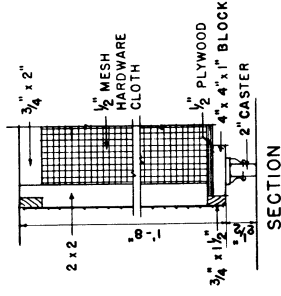
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WARNING:
 IF FREEZER AREA IS MUCH LARGER THAN SHOWN AIR VENTS SHOULD BE PLACED BENEATH FLOOR INSULATION TO PREVENT FROST UPHEAVAL BY THE SOIL UNDERNEATH

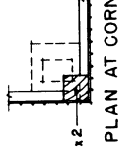
PLAN AND SECTIONS SHOWING SHELVING AND OTHER INTERIOR DETAILS



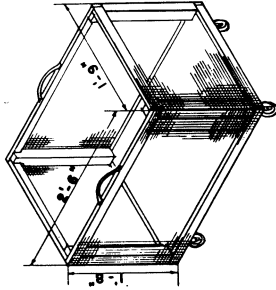
SECTION A-A



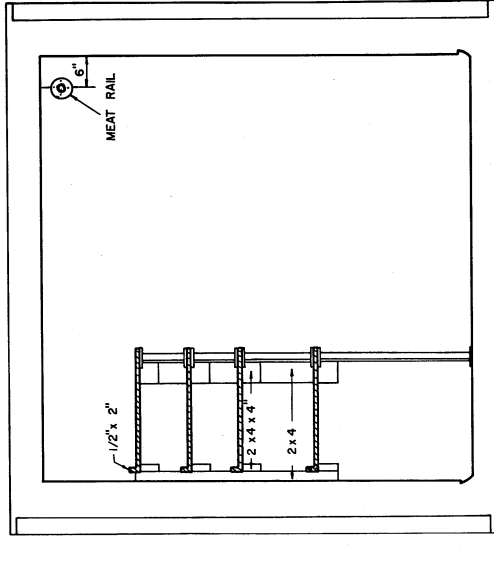
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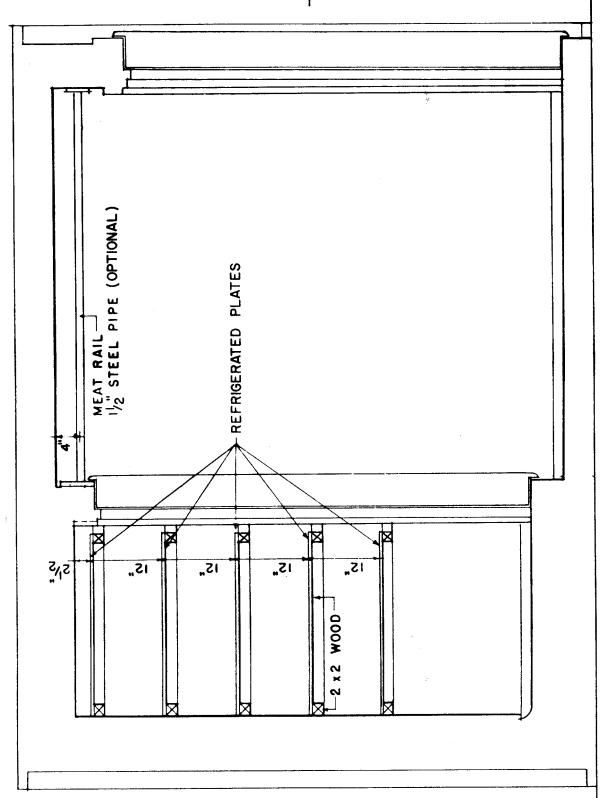
PLAN AT CORNERS



DETAILS OF ROLLING STORAGE BIN



SECTION C-C



SECTION B-B

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NOTES

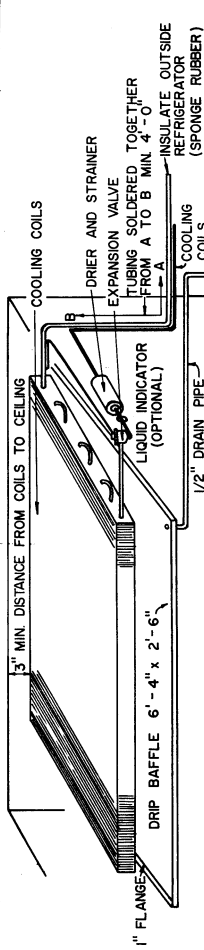
1. COST: INVESTIGATE THE COST AND AVAILABILITY OF COMMERCIALY AVAILABLE UNITS BEFORE BUILDING YOUR OWN.
2. INSULATION: CORK HAS BEEN WIDELY USED BUT THERE NOW ARE MANY WATER RESISTANT GLASS SLAG AND POLYMER INSULATIONS THAT ARE AVAILABLE IN SHEET OR BLOCK FORM. HAVE BETTER R VALUES, AND ARE AS RESISTANT 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 MAIL HOLES AS WELL AS JOINTS AND EDGES NEAR 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 SIDEWISE 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 CHILL ROOM. 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).

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TWO-TEMPERATURE WALK-IN
 REFRIGERATOR

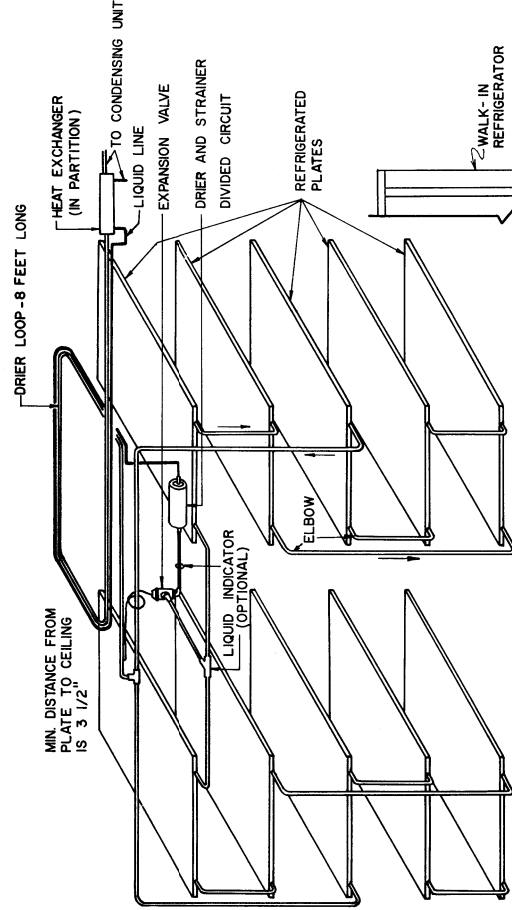
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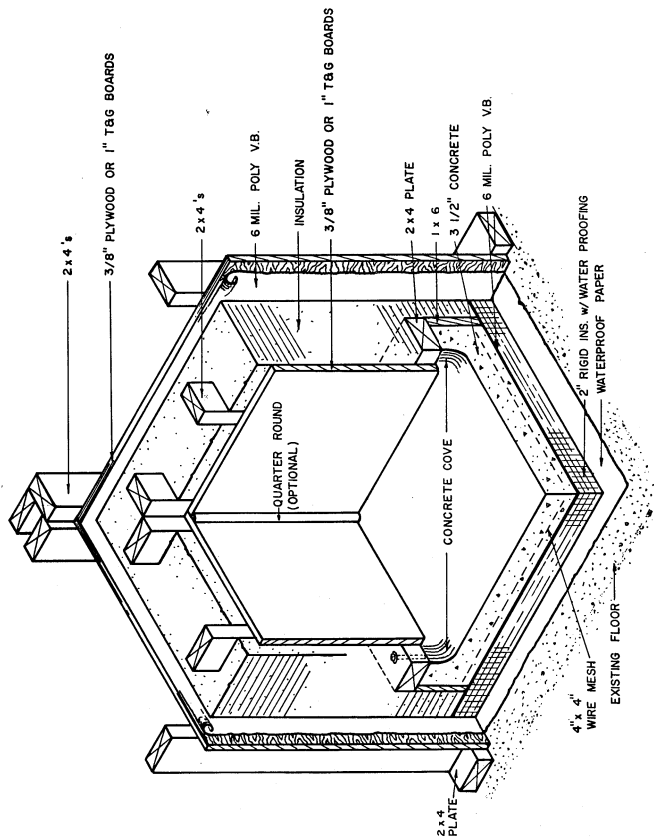
DETAIL OF EVAPORATOR (COOLING) COILS IN CHILL ROOM

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

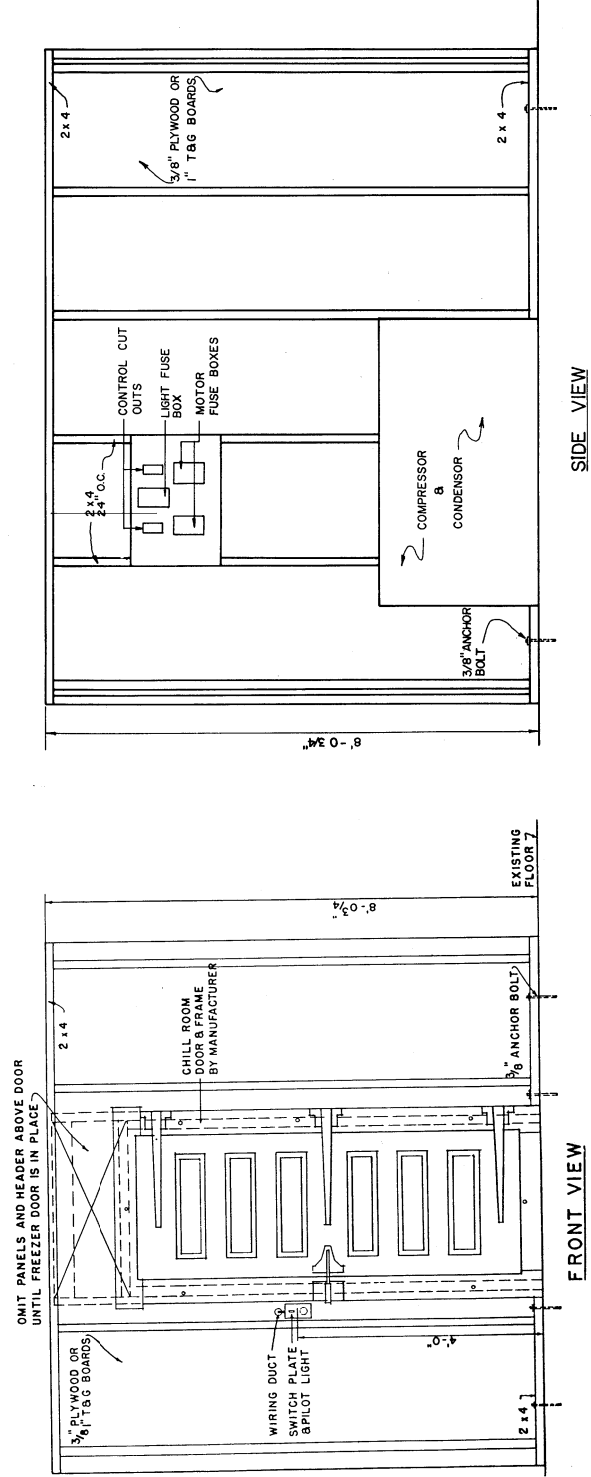


DETAIL OF REFRIGERATED PLATES IN FREEZER

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



CORNER DETAIL



FRONT VIEW

SIDE VIEW

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