

FLOOR AND FOUNDATION PLAN
SCALE: 1/8"=1'-0"

CONCRETE TANK NOTES

CROSS WALLS: REINFORCED FOR A PRESSURE OF 60 PCF-FLUID.

PERIMETER WALLS: REINFORCED FOR A PRESSURE OF SOIL WITH MODERATE DRAINAGE (EQUIV. OF 30 PCF-FLUID). IF HIGHEST WATER TABLE AT BUILDING SITE IS MORE THAN 2' ABOVE PIT FLOOR LEVEL, INSTALL FOOTING TILE AND SUMP PUMP TO RELIEVE PRESSURE OR CHECK WITH ENGINEER FOR AMOUNT OF ADDITIONAL REINFORCING.

WALL THICKNESS: AN 8" THICK WALL REQUIRES MORE STEEL THAN A 6" THICK WALL BECAUSE OF RELATIONSHIP BETWEEN EXPANSION-CONTRACTION AND THE VOLUME OF CONCRETE. AN 8" THICK WALL MAY STILL BE LOWER COST BECAUSE OF DIFFICULTY OF PLACING STEEL AND CONCRETE IN 6" FORMS.

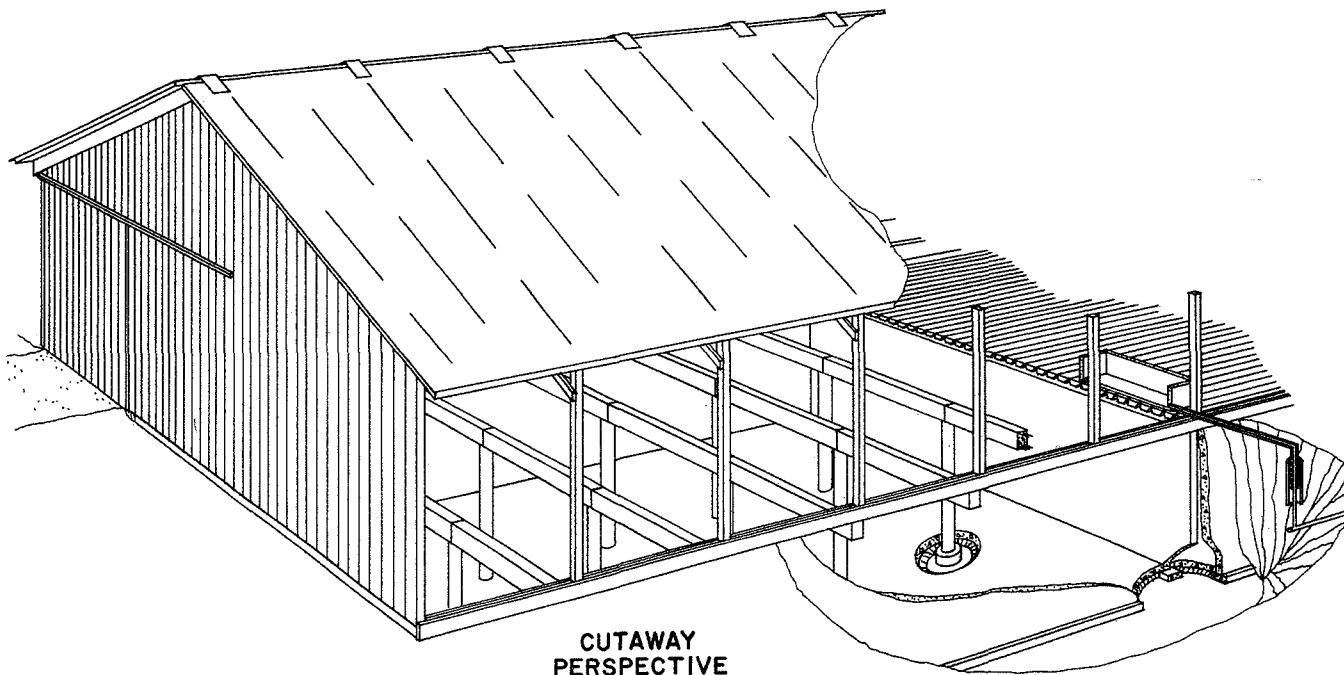
PRECAUTIONS: THIS DESIGN IS SAFE FOR MANY BUILDING SITES. THE GREATEST DANGER OF A WALL FAILURE IS DURING BACKFILLING. BEAMS AND SLATS SHOULD BE IN PLACE BEFORE BACKFILLING. TEMPORARY BRACING COULD BE USED TO HELP WITHSTAND WATER PRESSURE FROM A HEAVY RAIN OR VEHICLE WHEEL LOADS DURING BACKFILLING.

BASED ON PLAN NO. 567
UNIV. OF ILL.



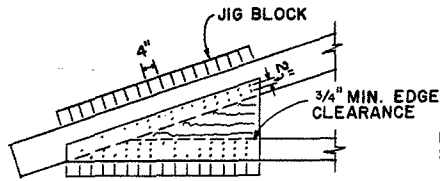
CONFINEMENT BEEF BARN
REAR DRIVEWAY GABLE ROOF

ILL. '73 6160 SHEET 1 OF 3



CUTAWAY
PERSPECTIVE

NOTES FOR 46'-0" SPAN TRUSS:
 USE 6d OR 7d BOX NAILS GALVANIZED OR CEMENT COATED.
 USE RESORCINOL RESIN GLUE (WATERPROOF).
 USE EXT. C.C. GRADE DOUGLAS FIR OR SOUTHERN PINE PLYWOOD FOR GUSSETS.
 BRACE TRUSS CHORDS WITH 2x6 CROSS BRACING AS SHOWN
 BRACE TWO CONSECUTIVE BAYS, SPACED NO MORE THAN 4 BAYS APART & AT ENDS OF BUILDING. FASTEN AT KING POST.



NAILING SCHEDULE

NOTCH POST 3" TO RECEIVE TRUSS FASTEN WITH 1/2" DIA. x 7" LG. BOLT

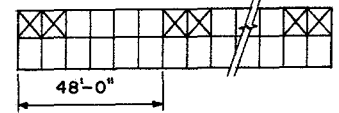
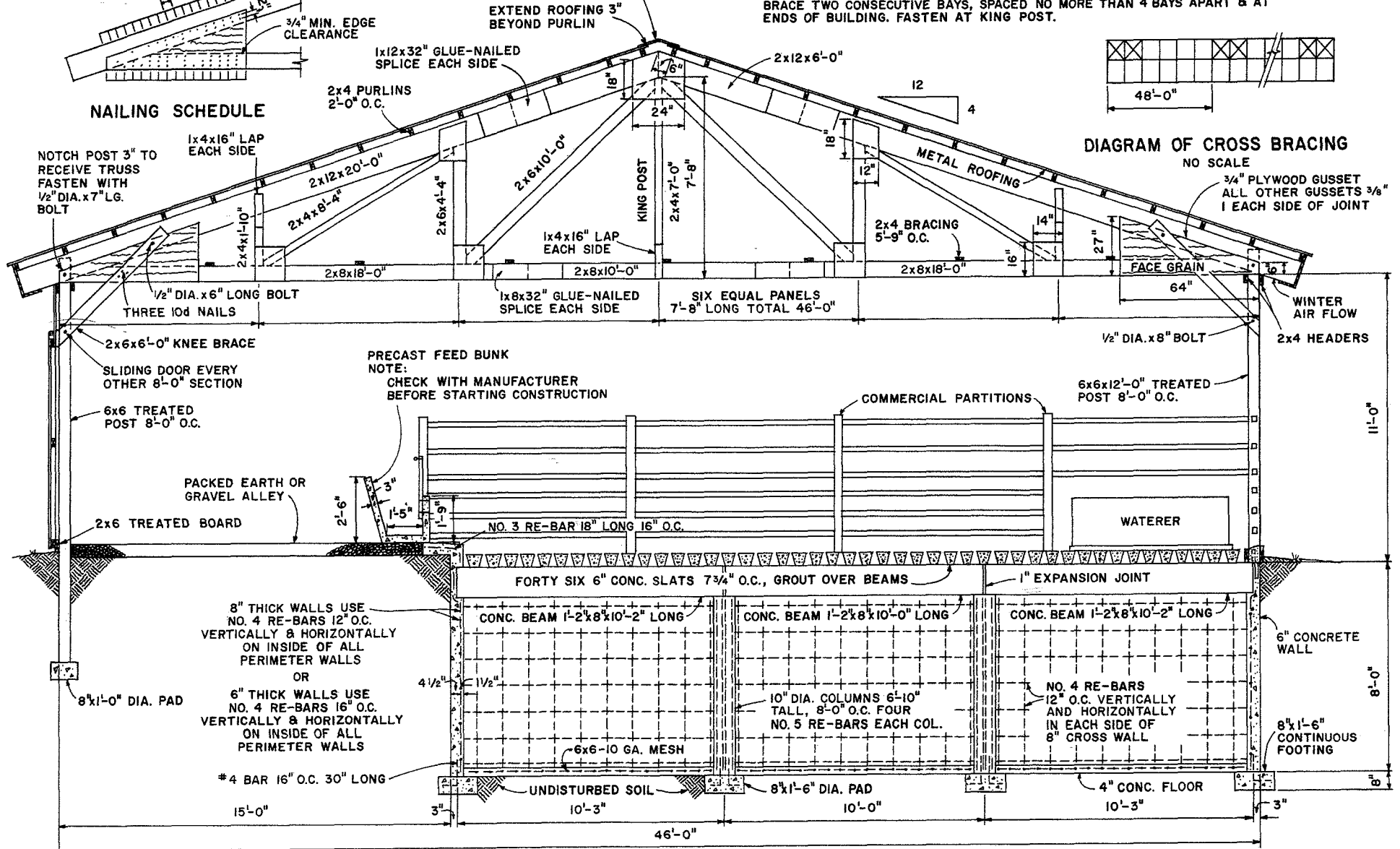


DIAGRAM OF CROSS BRACING

NO SCALE
 3/4" PLYWOOD GUSSET ALL OTHER GUSSETS 3/8" I EACH SIDE OF JOINT



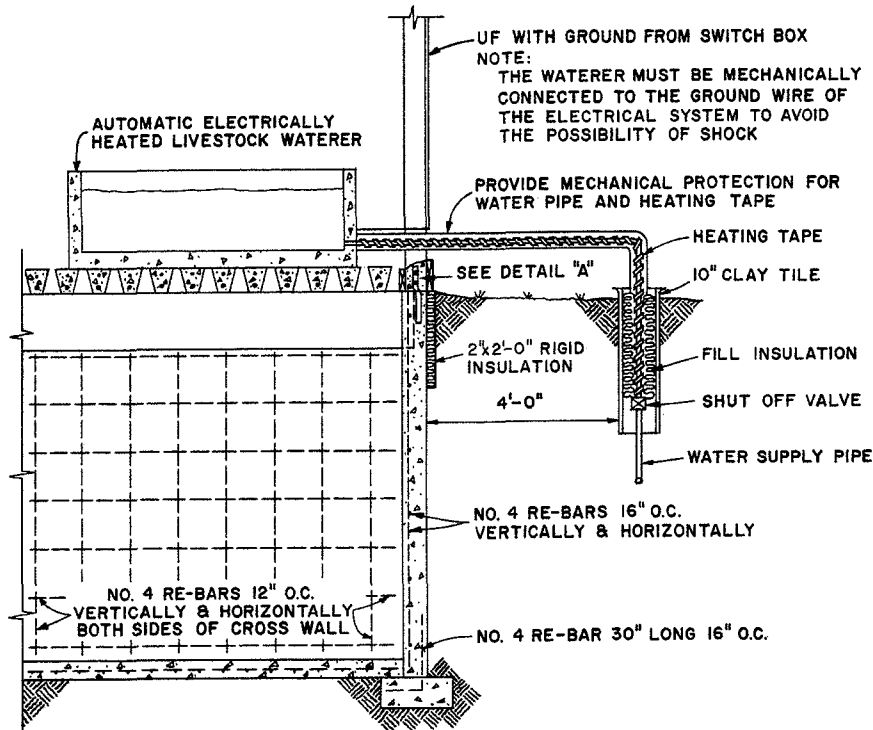
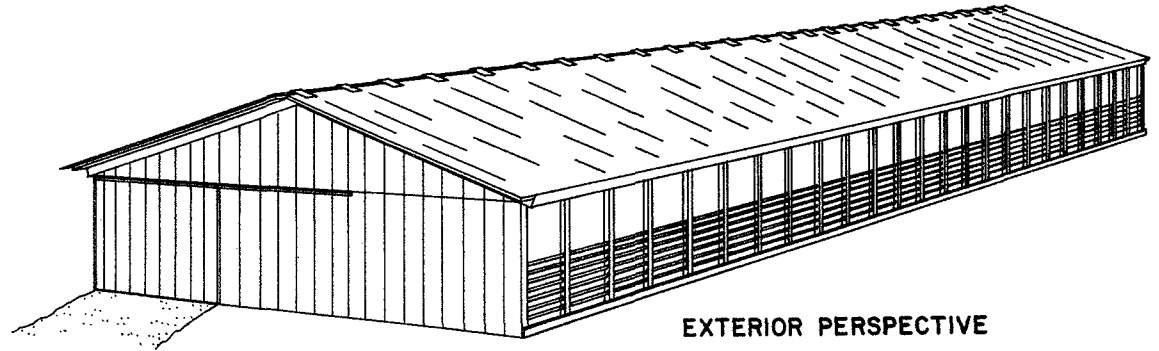
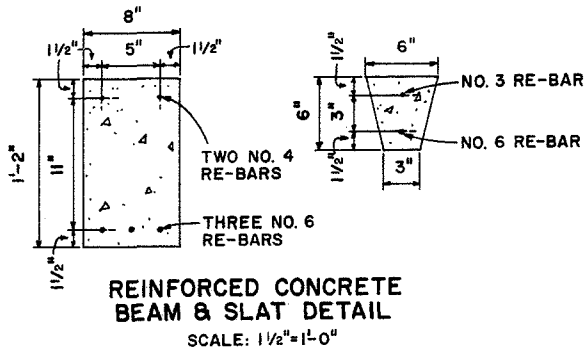
SECTION A-A

LSU
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 Research & Extension

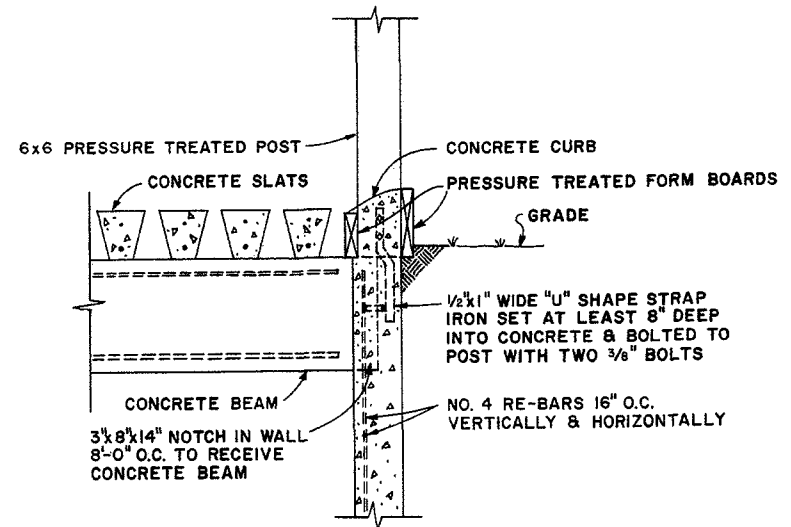
CONFINEMENT BEEF BARN
 REAR DRIVEWAY GABLE ROOF

ILL. '73	6160	SHEET 2 OF 3
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SCALE: 3/8" = 1'-0" UNLESS OTHERWISE NOTED



**SECTION B-B
WATER SUPPLY DETAIL**
SCALE: 1/2"=1'-0"



**DETAIL A
POST CONNECTION DETAIL**
SCALE: 1"=1'-0"



**CONFINEMENT BEEF BARN
REAR DRIVEWAY GABLE ROOF**

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.