

FLOOR AND FOUNDATION PLAN

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 TIE AND SLIP PIPE 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 LUSTER LOSS BECAUSE OF DIFFICULTY OF PLACING STEEL AND CONCRETE IN 6" SPACES.

**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.

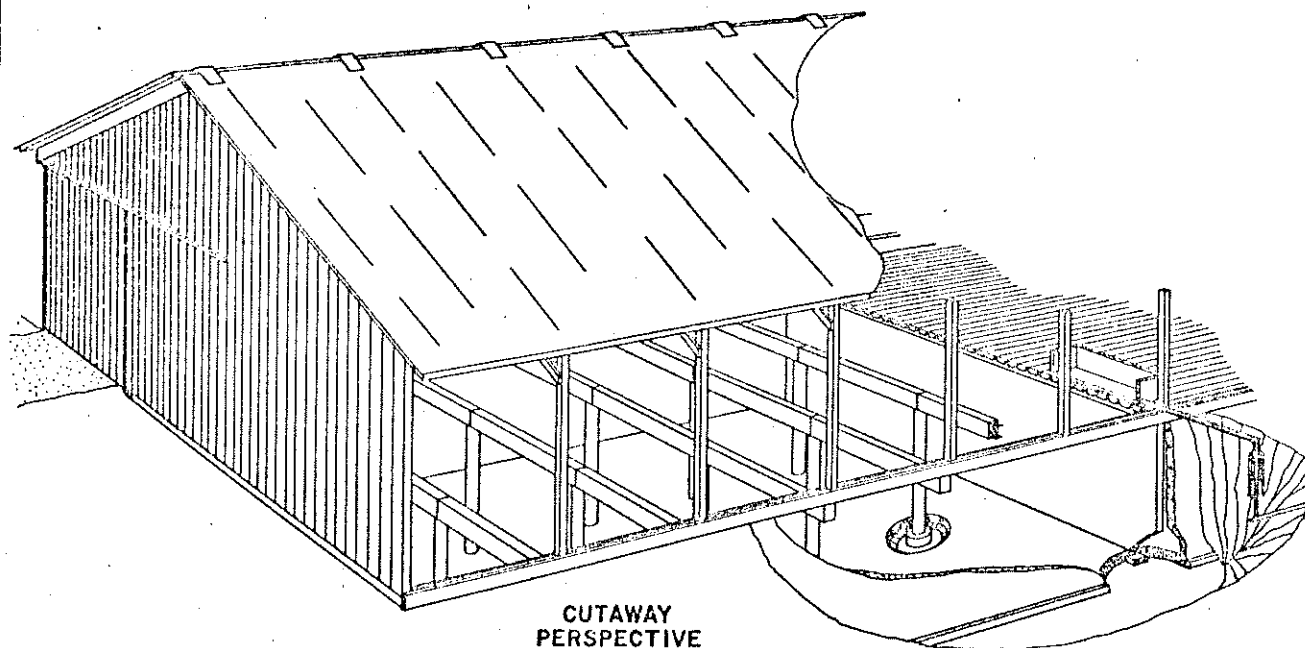
BASED ON PLAN NO. 567  
UNIV. OF ILL.

COOPERATIVE EXTENSION WORK IN  
AGRICULTURE AND HOME ECONOMICS

AND  
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

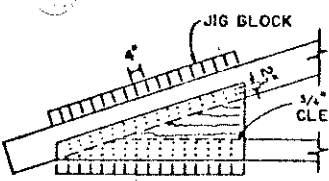
CONFINEMENT BEEF BARN  
REAR DRIVEWAY GABLE ROOF

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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

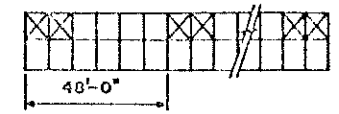
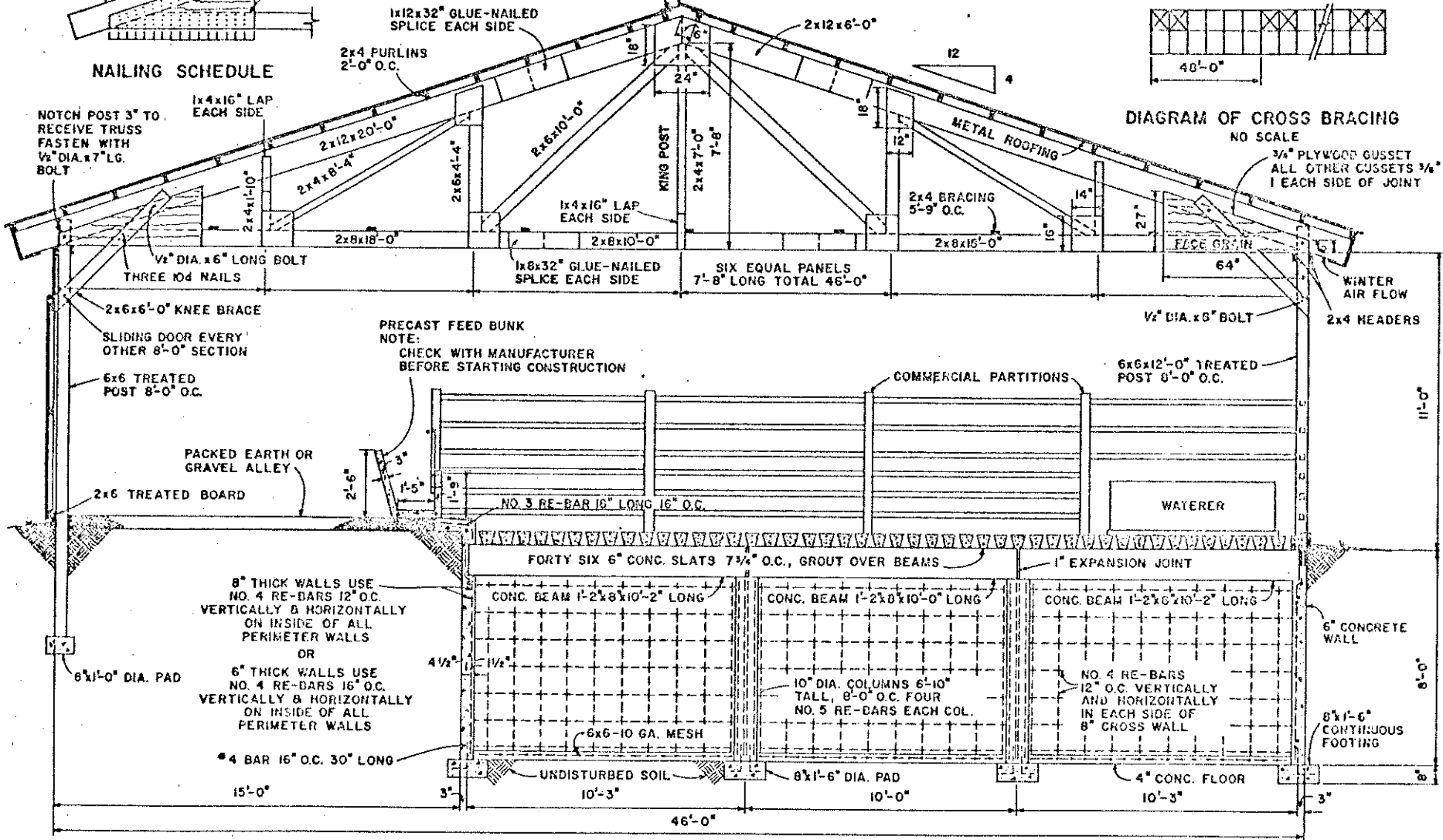


DIAGRAM OF CROSS BRACING



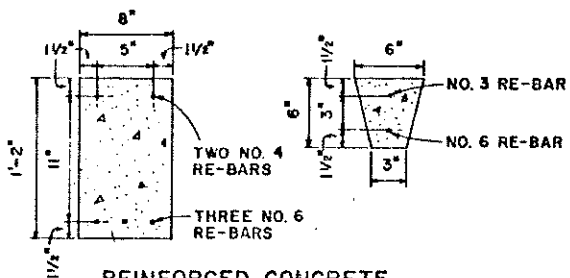
SECTION A-A

COOPERATIVE EXTENSION WORK IN  
 AGRICULTURE AND HOME ECONOMICS

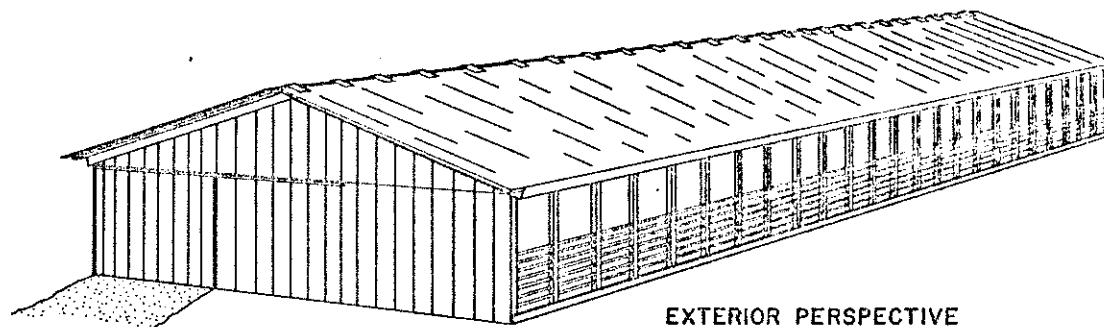
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**CONFINEMENT BEEF BARN**  
 REAR DRIVEWAY GABLE ROOF

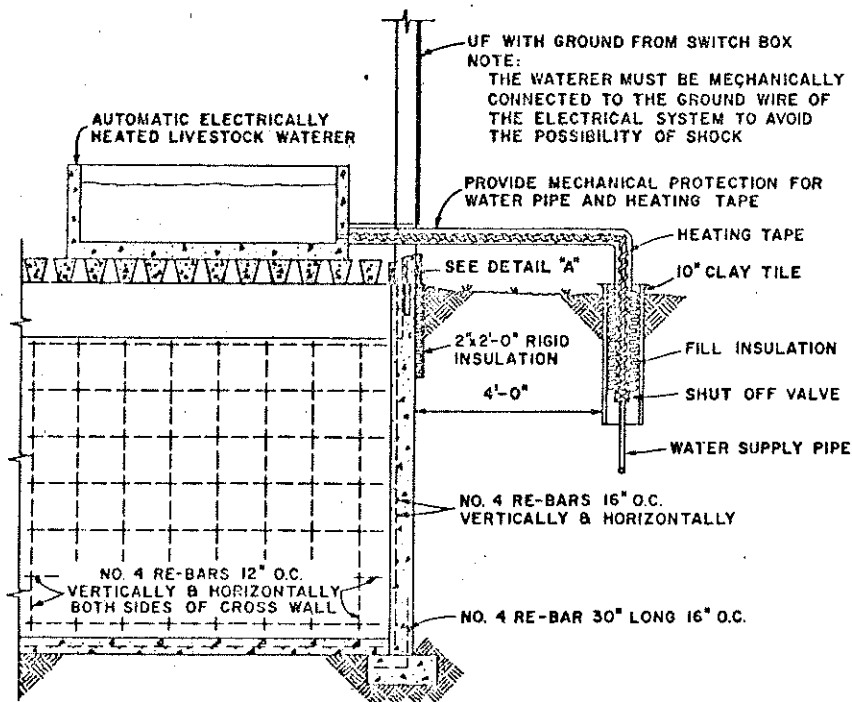
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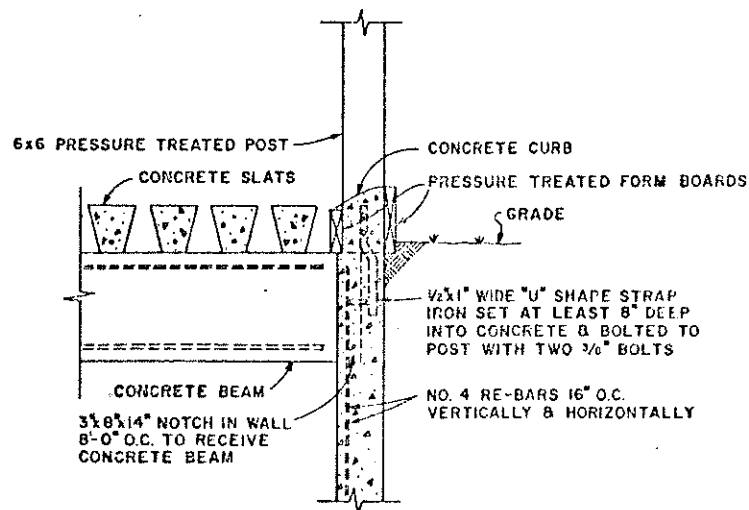
REINFORCED CONCRETE BEAM & SLAB DETAIL



EXTERIOR PERSPECTIVE



SECTION B-B WATER SUPPLY DETAIL



DETAIL A POST CONNECTION DETAIL

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

CONFINEMENT BEEF BARN REAR DRIVEWAY GABLE ROOF

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