

Important: Warranty Disclaimer for Plans

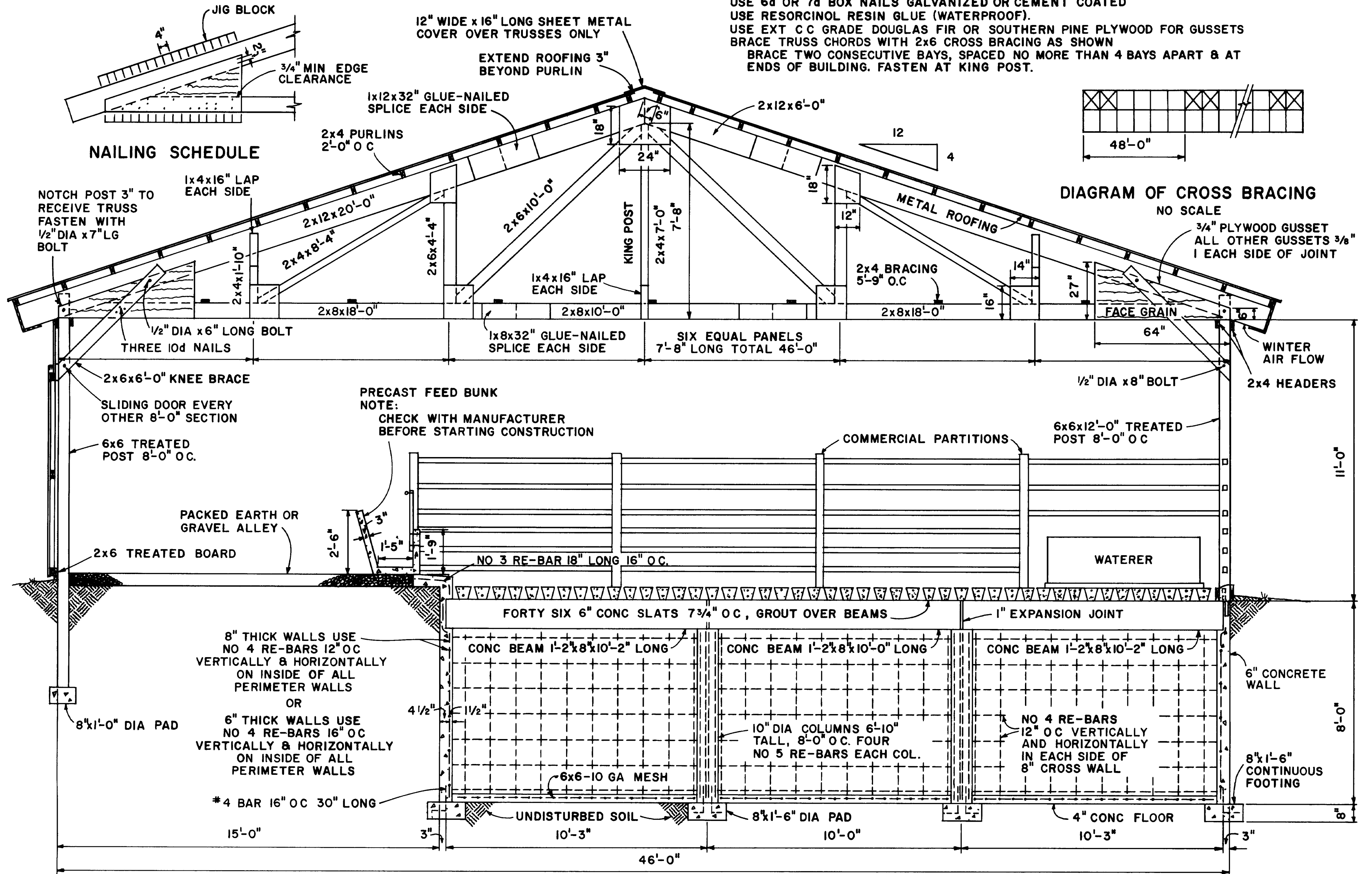
For the convenience of our clientele, this website makes available conceptual plans that can be helpful in planning buildings, facilities, or other structures. They were developed over many years by engineers at Land Grant universities through the former USDA Cooperative Farm Buildings Plan Exchange. *Regardless of the original intent, these are older plans that provide conceptual information only, and are not to be considered or used as construction plans.*

These plans do not claim to represent the most current technology or the most recent construction techniques, standards, or codes. For example, over the years there have been changes in the National Design Specifications for Wood Construction, changes in the strengths and types of building materials, and changes in fasteners, among other things. Those changes, along with variations in climate, building codes, and other factors, make it imperative that professional services be utilized for your specific project. Suggested services include, but are not limited to, structural design, assurance of compliance with codes and regulations, site selection, construction supervision, and provision for utilities, waste management, and access. *These plans do not replace the need for competent design assistance in developing safe, legal, and well-functioning agricultural buildings and systems.*

Neither the University of Kentucky, the Midwest Plan Service, the United States Department of Agriculture, nor any of the cooperating Land Grant universities, warranty these plans. They are for conceptual use only and are not for use as construction plans.

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.



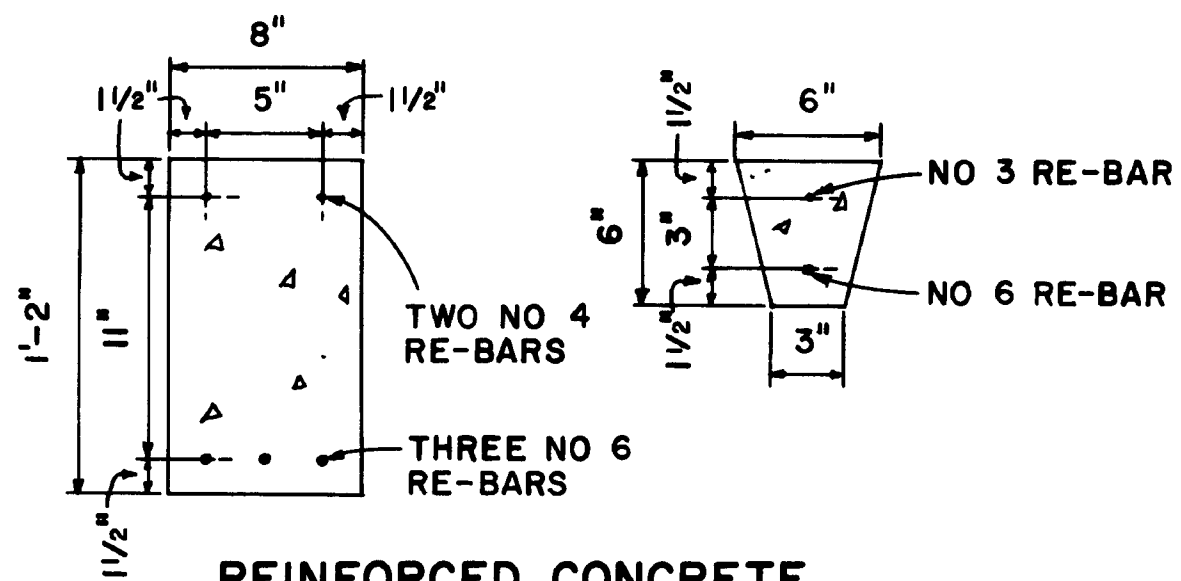
SECTION A-A

COOPERATIVE EXTENSION WORK IN
 AGRICULTURE AND HOME ECONOMICS
 DEPARTMENT OF AGRICULTURAL ENGINEERING
 COLLEGE OF AGRICULTURE
 UNIVERSITY OF KENTUCKY
 AND
 UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

**CONFINEMENT BEEF BARN
 REAR DRIVEWAY GABLE ROOF**

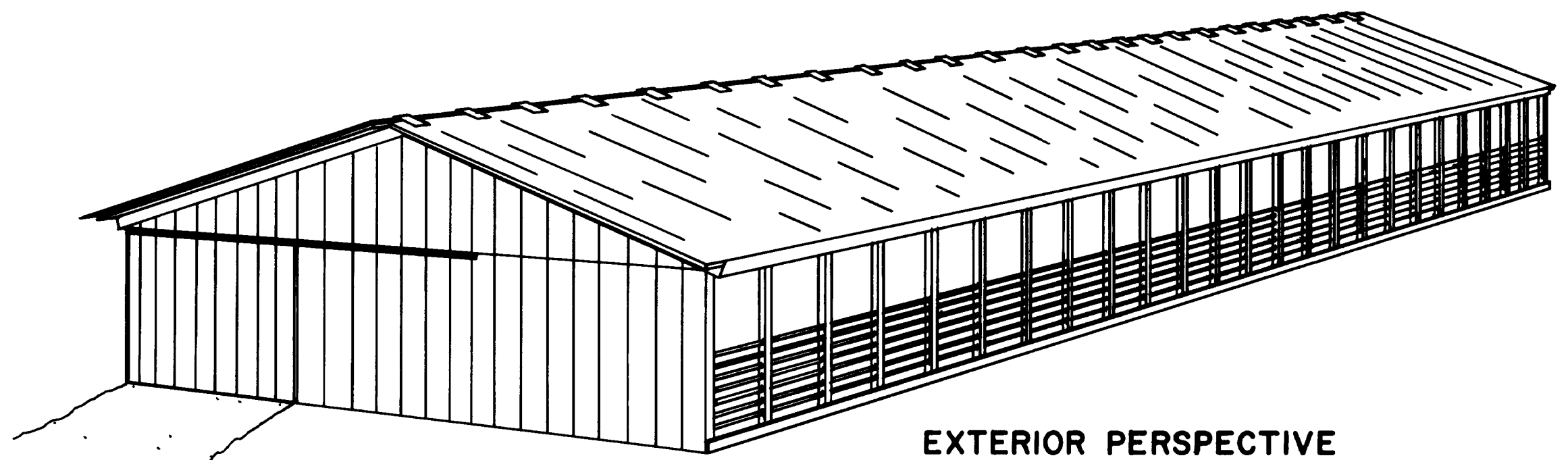
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SCALE. 3/8" = 1'-0" UNLESS OTHERWISE NOTED

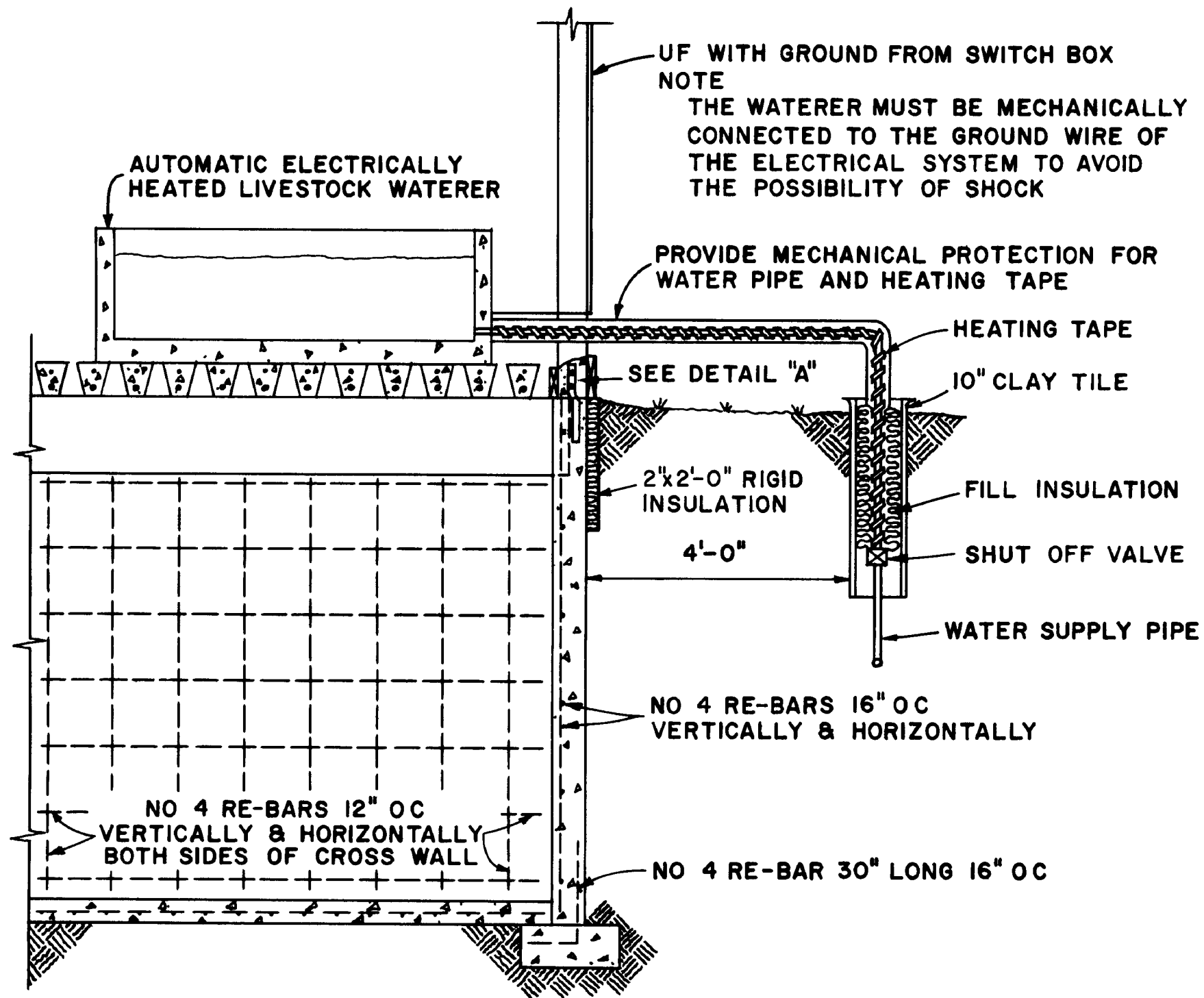


REINFORCED CONCRETE BEAM & SLAT DETAIL

SCALE 1/2"=1'-0"

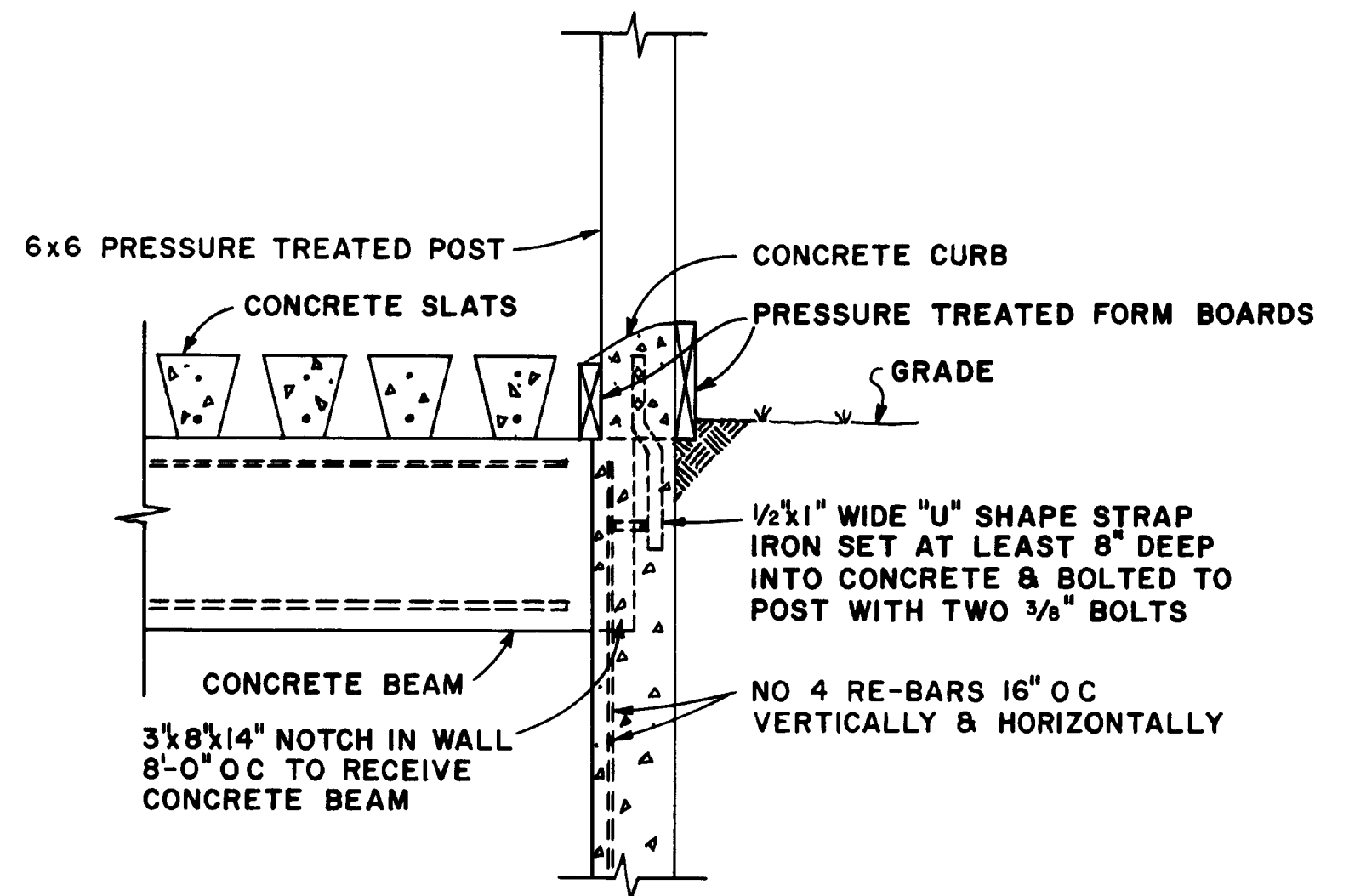


EXTERIOR PERSPECTIVE



SECTION B-B WATER SUPPLY DETAIL

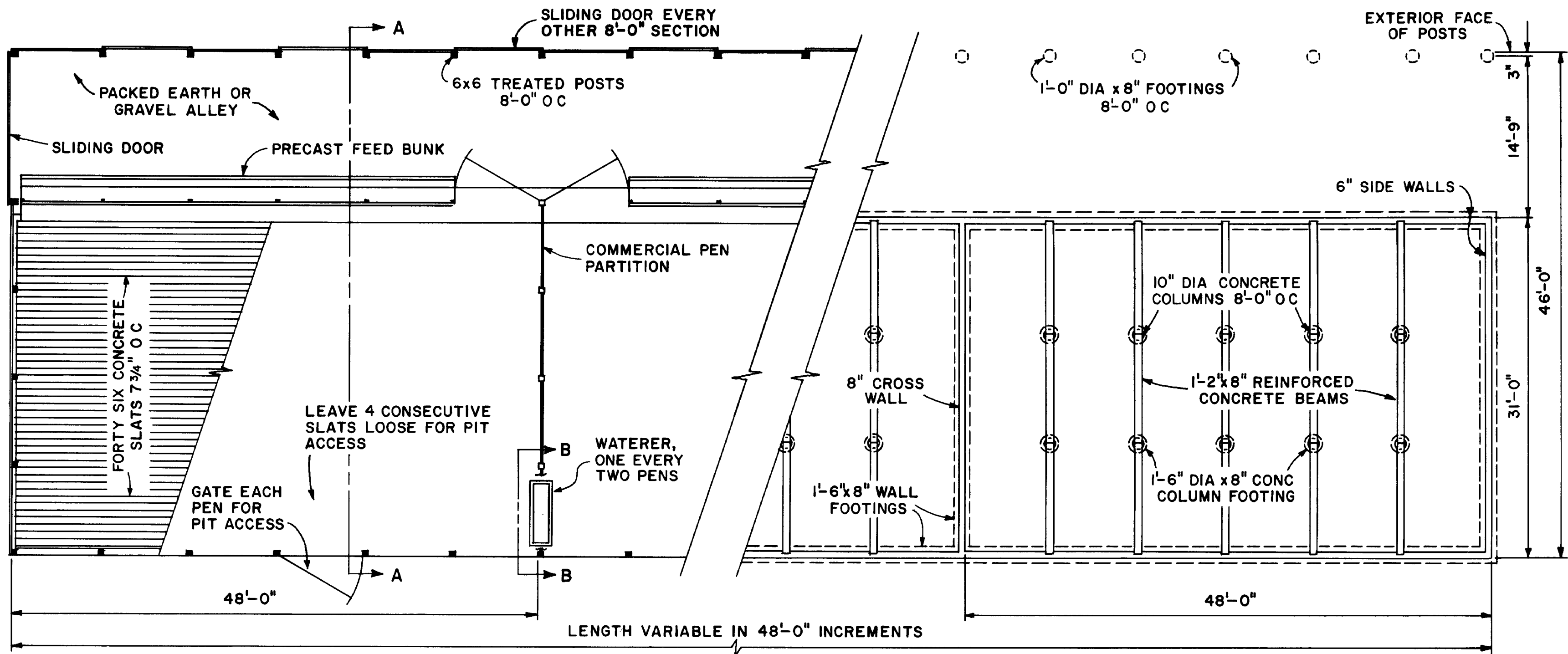
SCALE 1/2"=1'-0"



DETAIL A POST CONNECTION DETAIL

SCALE 1"=1'-0"

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS <small>DEPARTMENT OF AGRICULTURAL ENGINEERING COLLEGE OF AGRICULTURE</small> UNIVERSITY OF KENTUCKY <small>AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING</small>		
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FLOOR AND FOUNDATION PLAN
SCALE 1/8" = 1'-0"

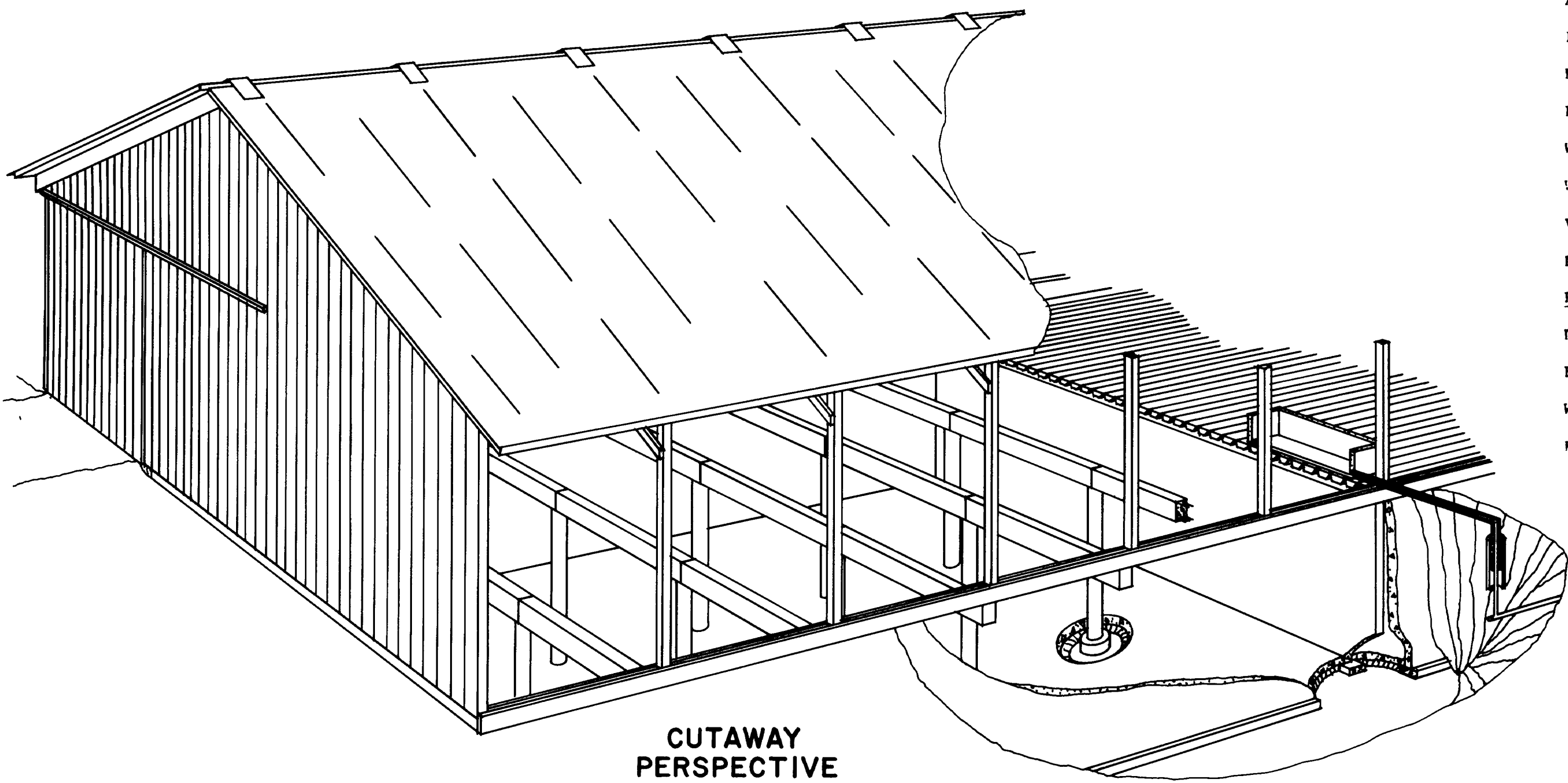
CONCRETE TANK NOTES

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 TILF 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.



CUTAWAY PERSPECTIVE

THESE PLANS ARE FOR USE AS A CONSTRUCTION GUIDE IF A CONSTRUCTION CONTRACT IS TO BE MADE, WRITTEN SPECIFICATIONS ARE NEEDED"

BASED ON PLAN NO 567
UNIV OF ILL

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