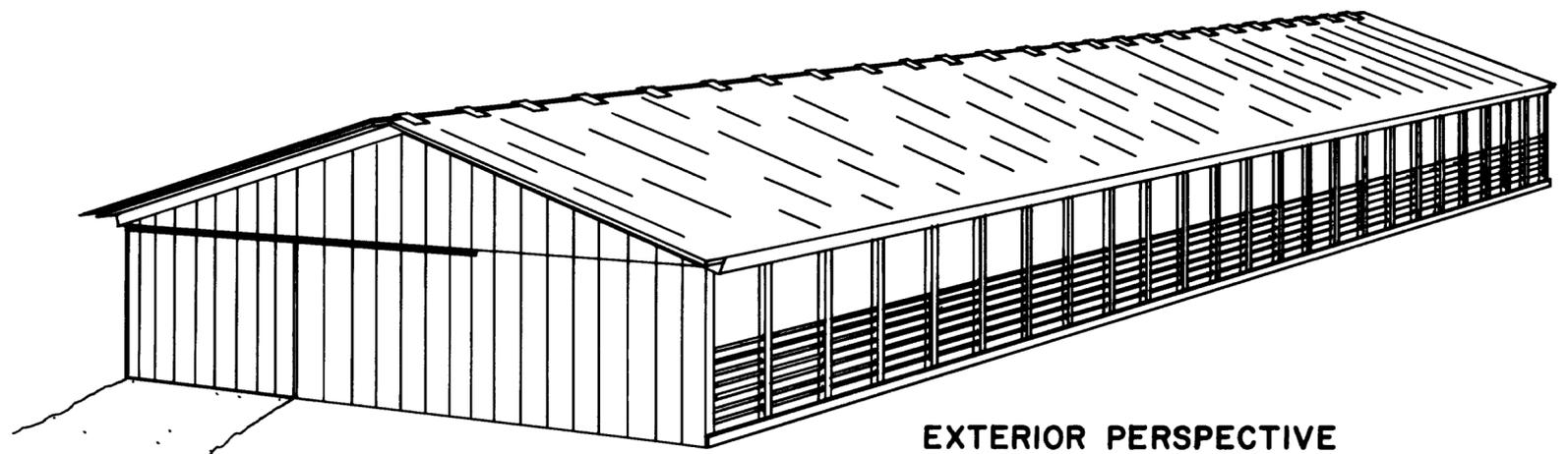
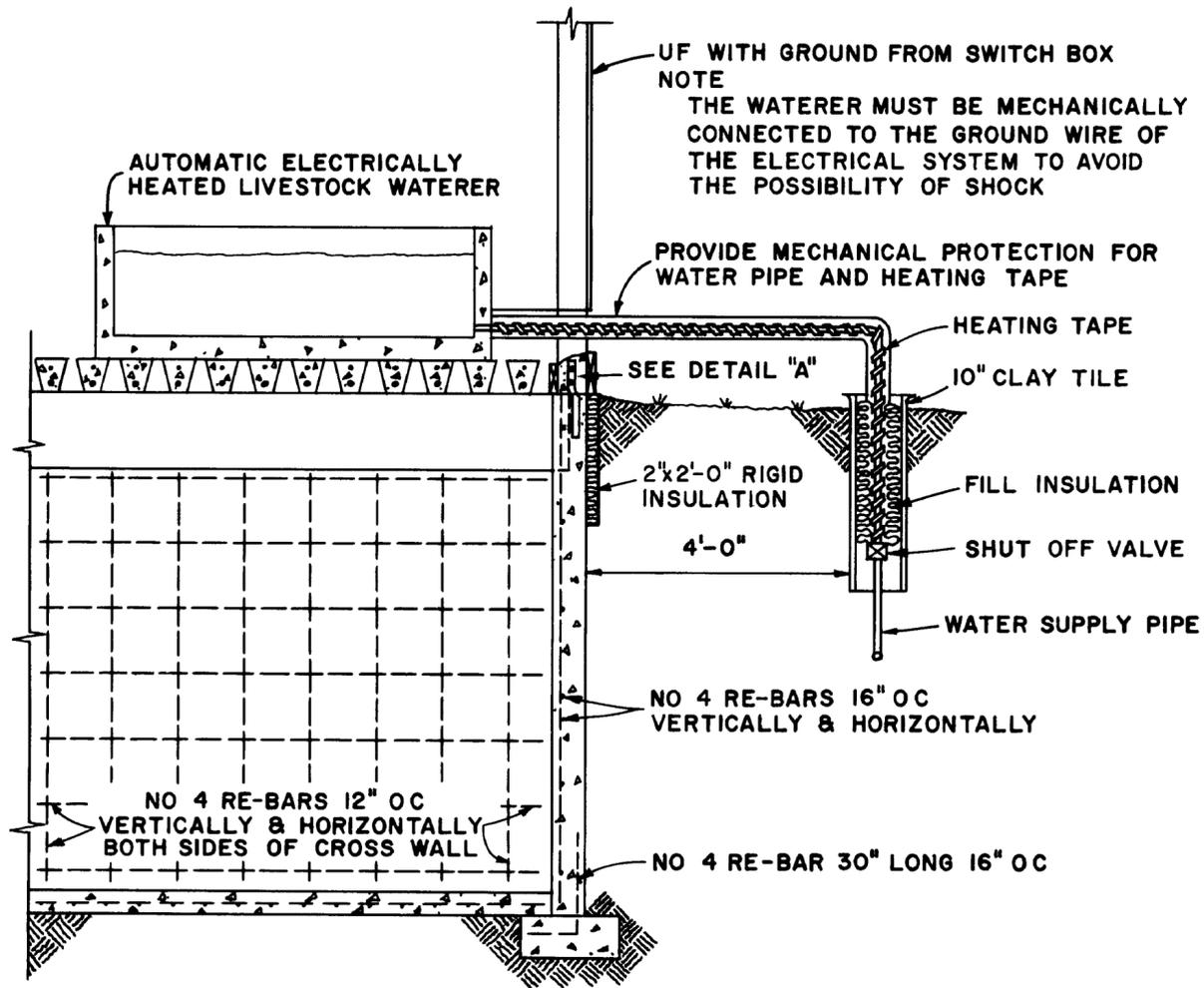


**REINFORCED CONCRETE BEAM & SLAT DETAIL**

SCALE 1/2"=1'-0"

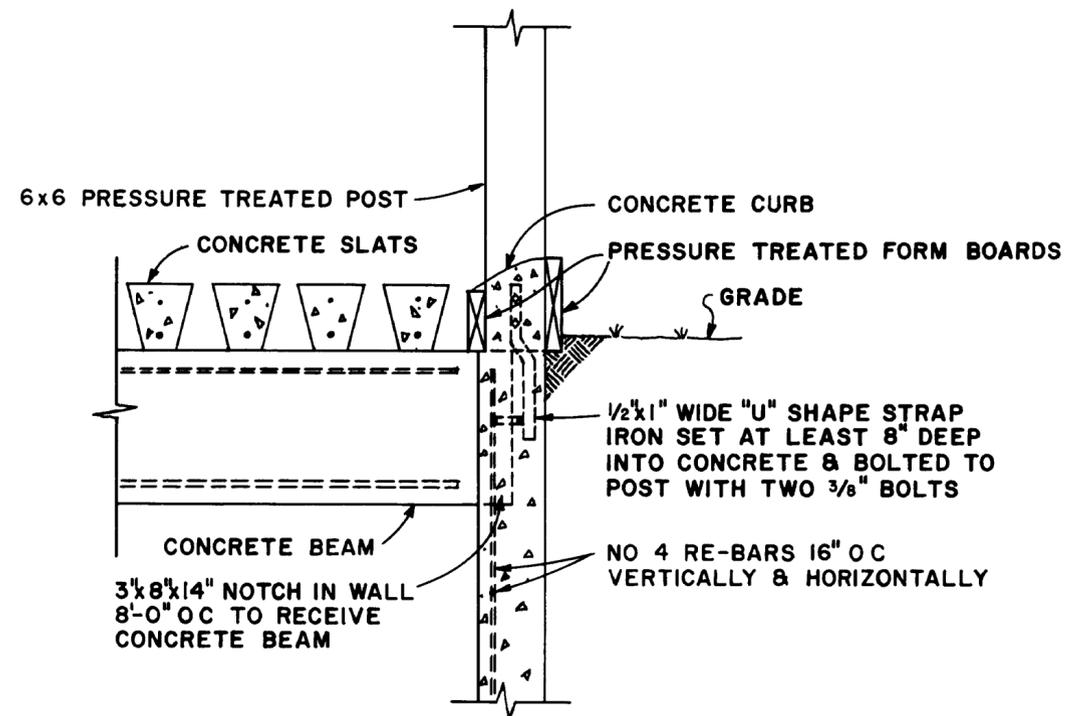


**EXTERIOR PERSPECTIVE**



**SECTION B-B WATER SUPPLY DETAIL**

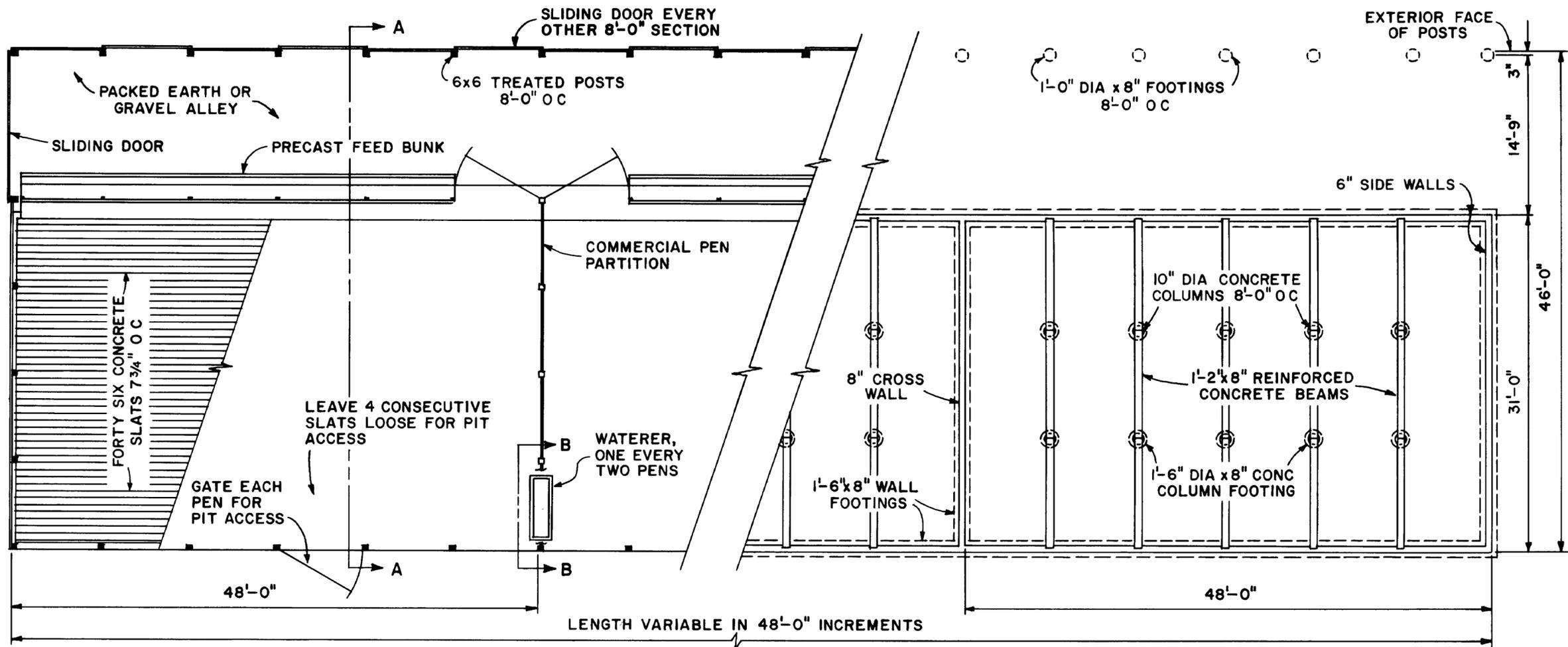
SCALE 1/2"=1'-0"



**DETAIL A POST CONNECTION DETAIL**

SCALE 1"=1'-0"

COOPERATIVE EXTENSION WORK IN <b>AGRICULTURE AND HOME ECONOMICS</b> <small>DEPARTMENT OF AGRICULTURAL ENGINEERING          COLLEGE OF AGRICULTURE</small> <b>UNIVERSITY OF KENTUCKY</b> <small>AND          UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING</small>		
<b>CONFINEMENT BEEF BARN          REAR DRIVEWAY GABLE ROOF</b>		
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**FLOOR AND FOUNDATION PLAN**  
SCALE 1/8" = 1'-0"

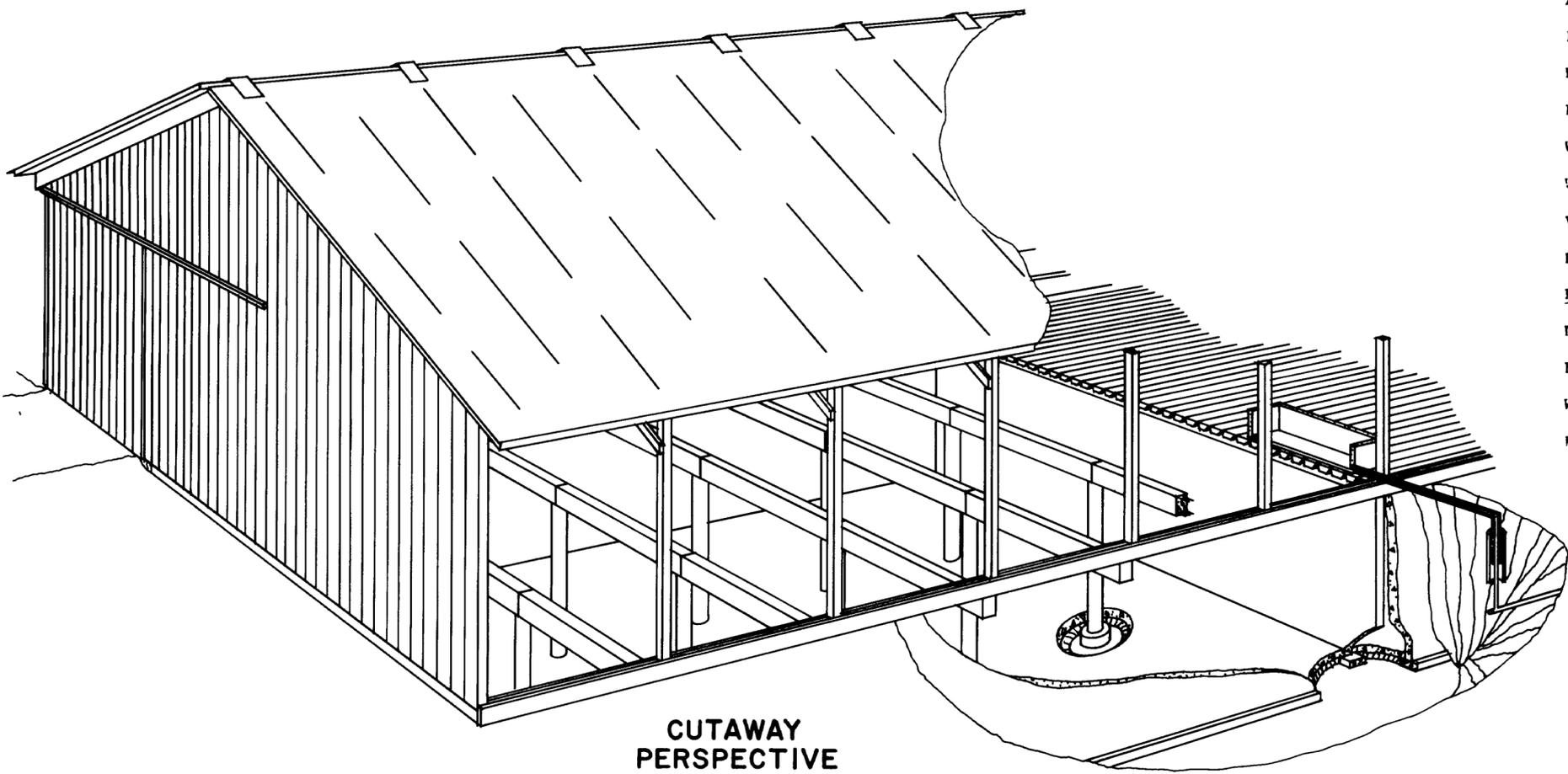
**CONCRETE TANK NOTES**

**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

COOPERATIVE EXTENSION WORK IN <b>AGRICULTURE AND HOME ECONOMICS</b> DEPARTMENT OF AGRICULTURAL ENGINEERING COLLEGE OF AGRICULTURE <b>UNIVERSITY OF KENTUCKY</b> AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING		
<b>CONFINEMENT BEEF BARN REAR DRIVEWAY GABLE ROOF</b>		
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