

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

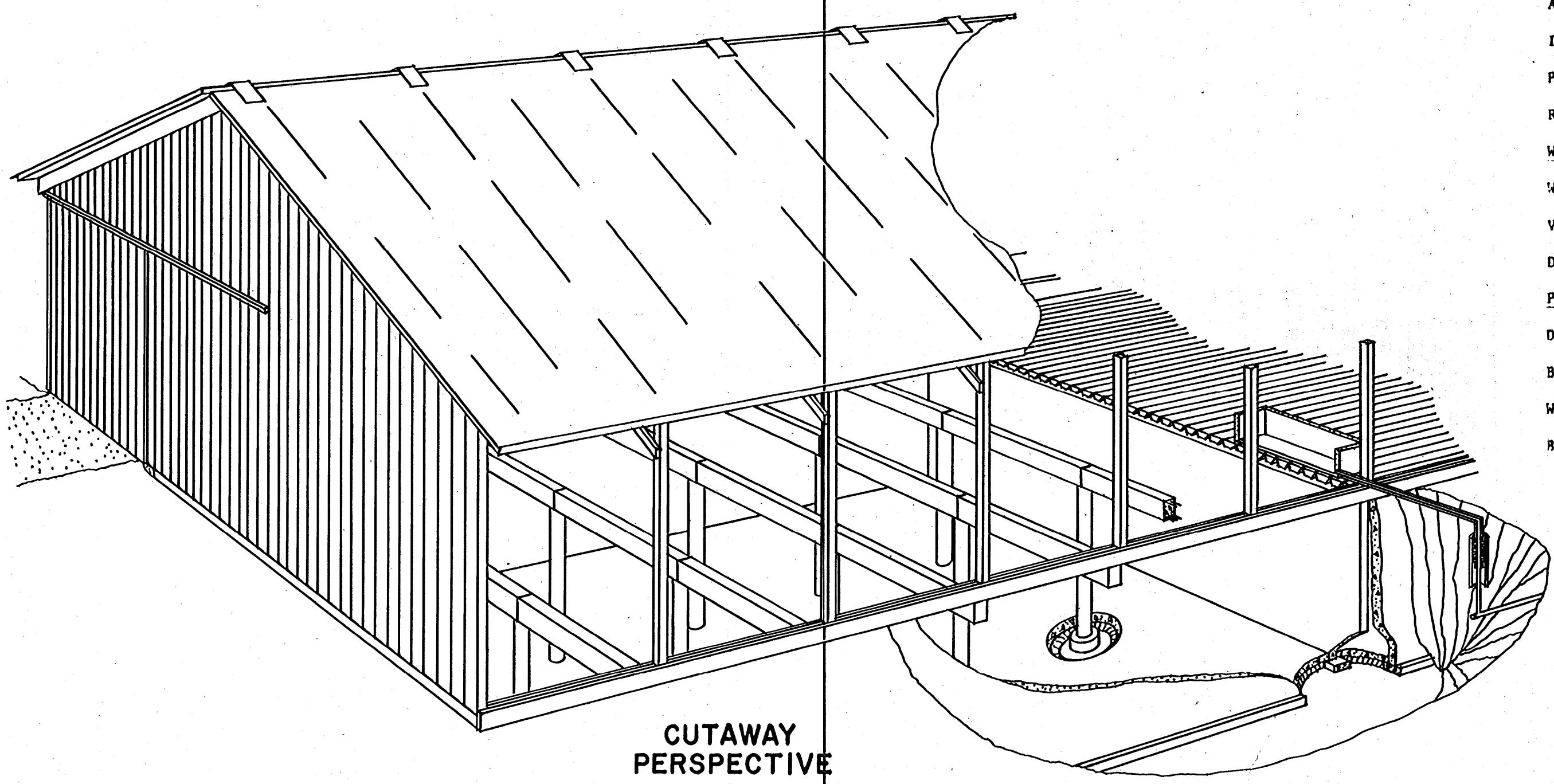
CONCRETE TANK NOTES

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.



CUTAWAY PERSPECTIVE

BASED ON PLAN NO. 567.
UNIV. OF ILL.

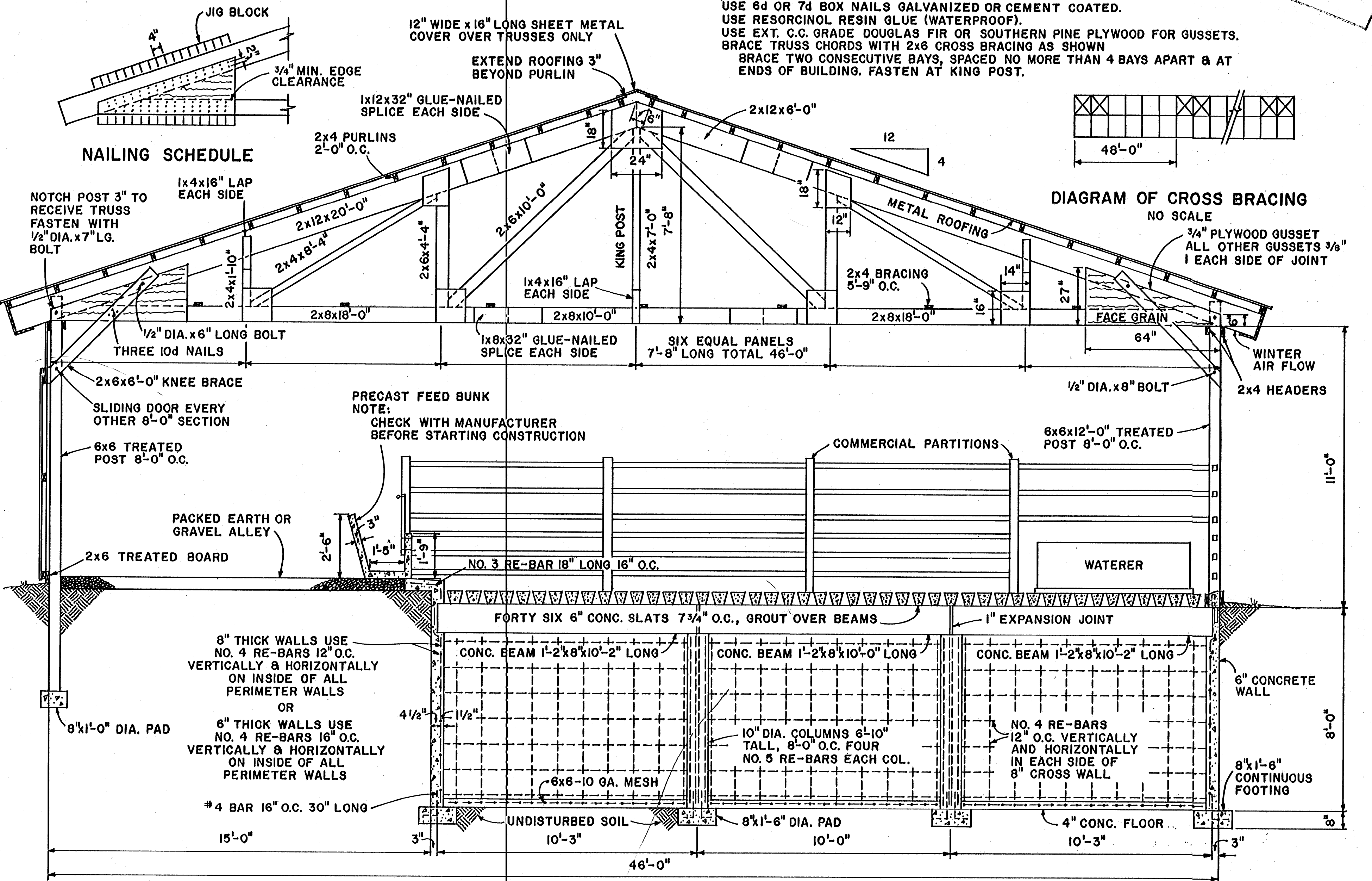
COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
STATE OF MISSISSIPPI
MISSISSIPPI STATE UNIVERSITY
AND
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

CONFINEMENT BEEF BARN REAR DRIVEWAY GABLE ROOF		
ILL. '73	6160	SHEET 1 OF 3

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



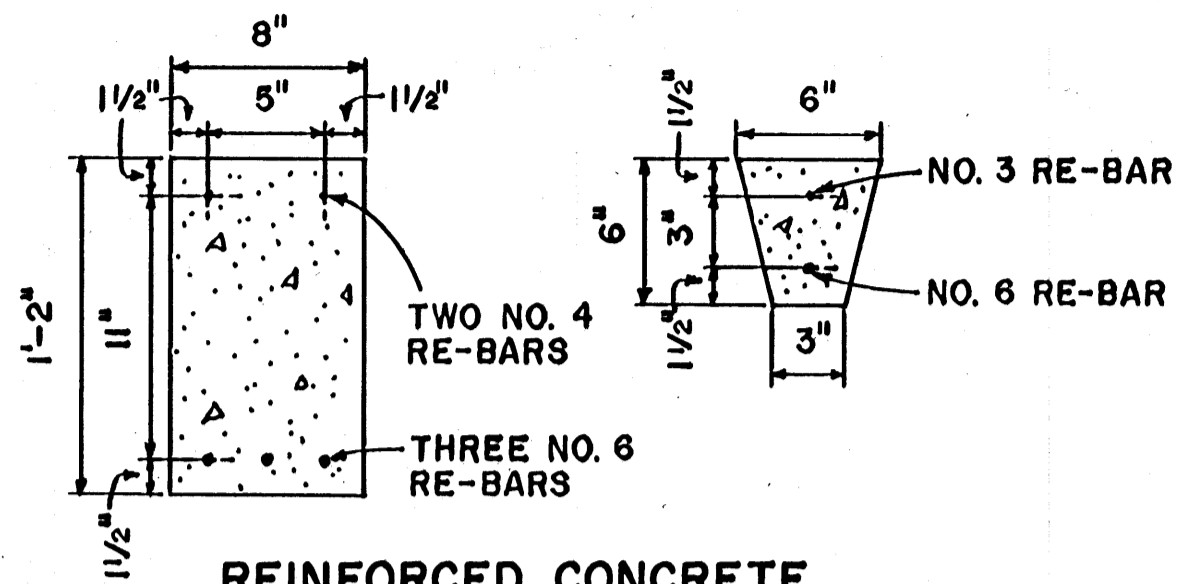
SECTION A-A

COOPERATIVE EXTENSION WORK IN
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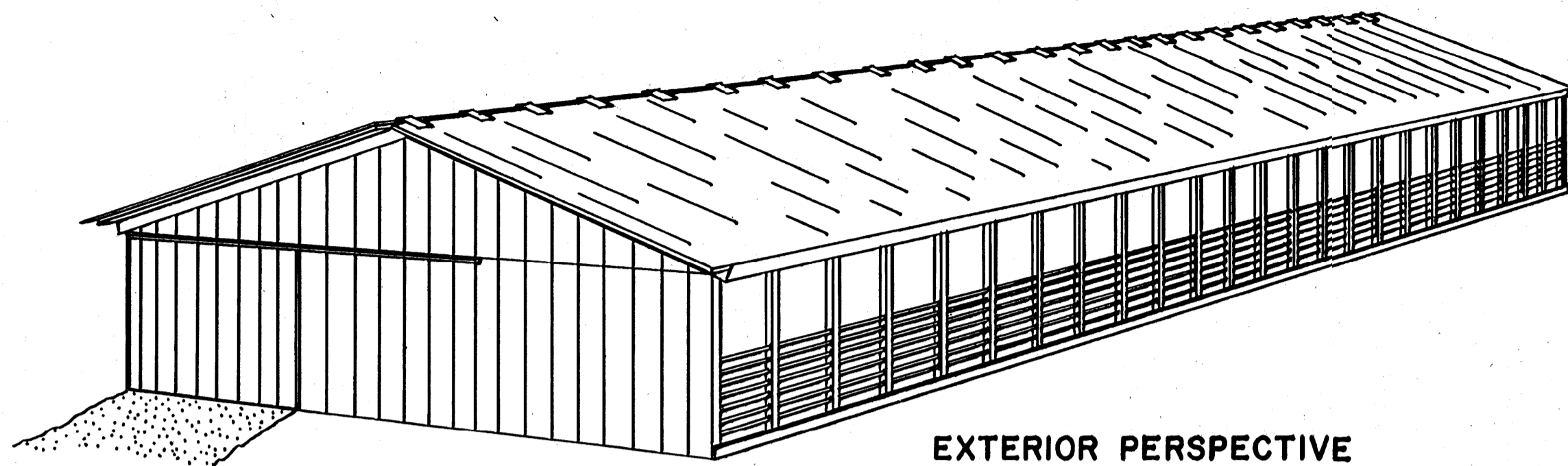
**CONFINEMENT BEEF BARN
 REAR DRIVEWAY GABLE ROOF**

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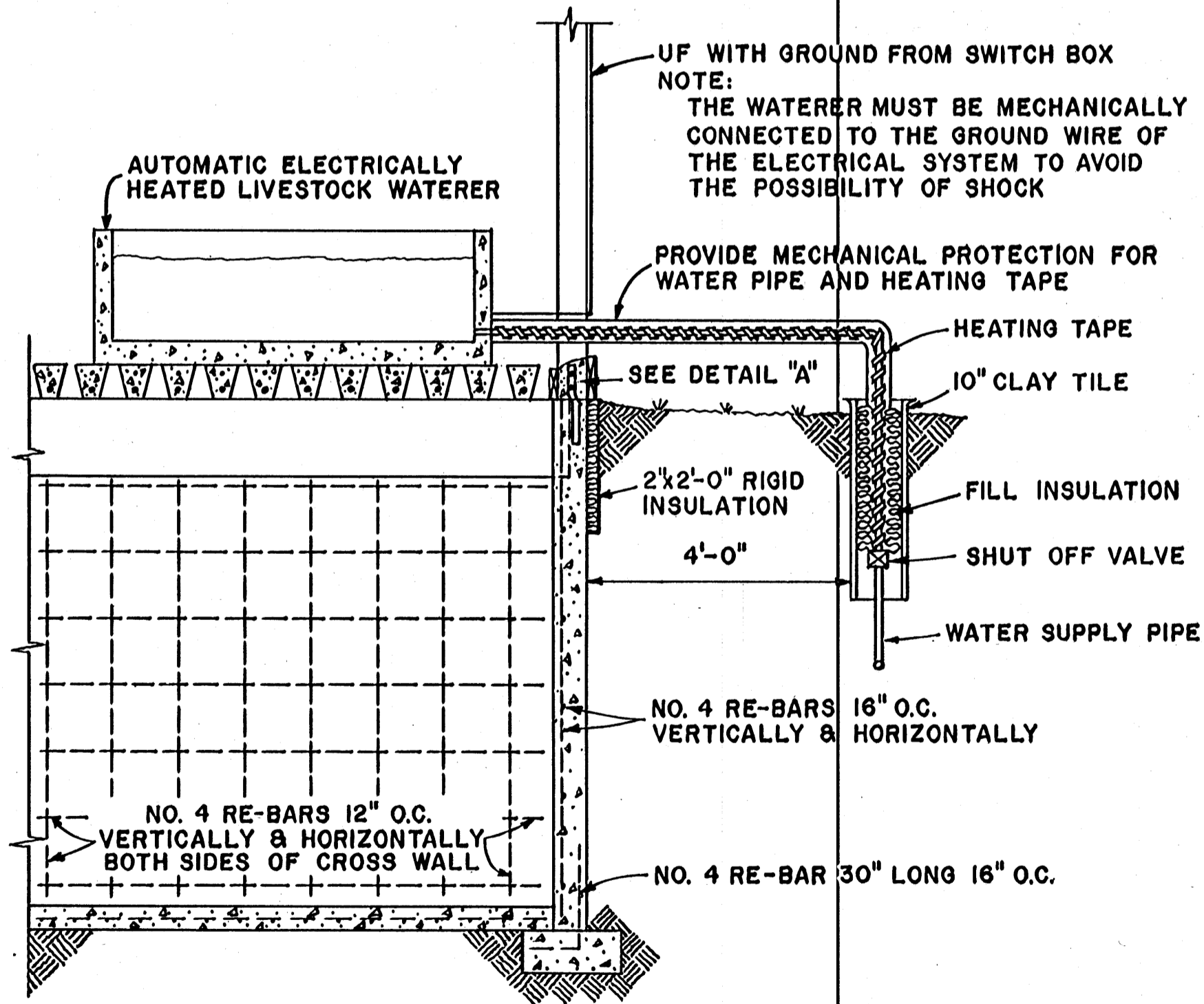
SCALE: 3/8" = 1'-0" UNLESS OTHERWISE NOTED



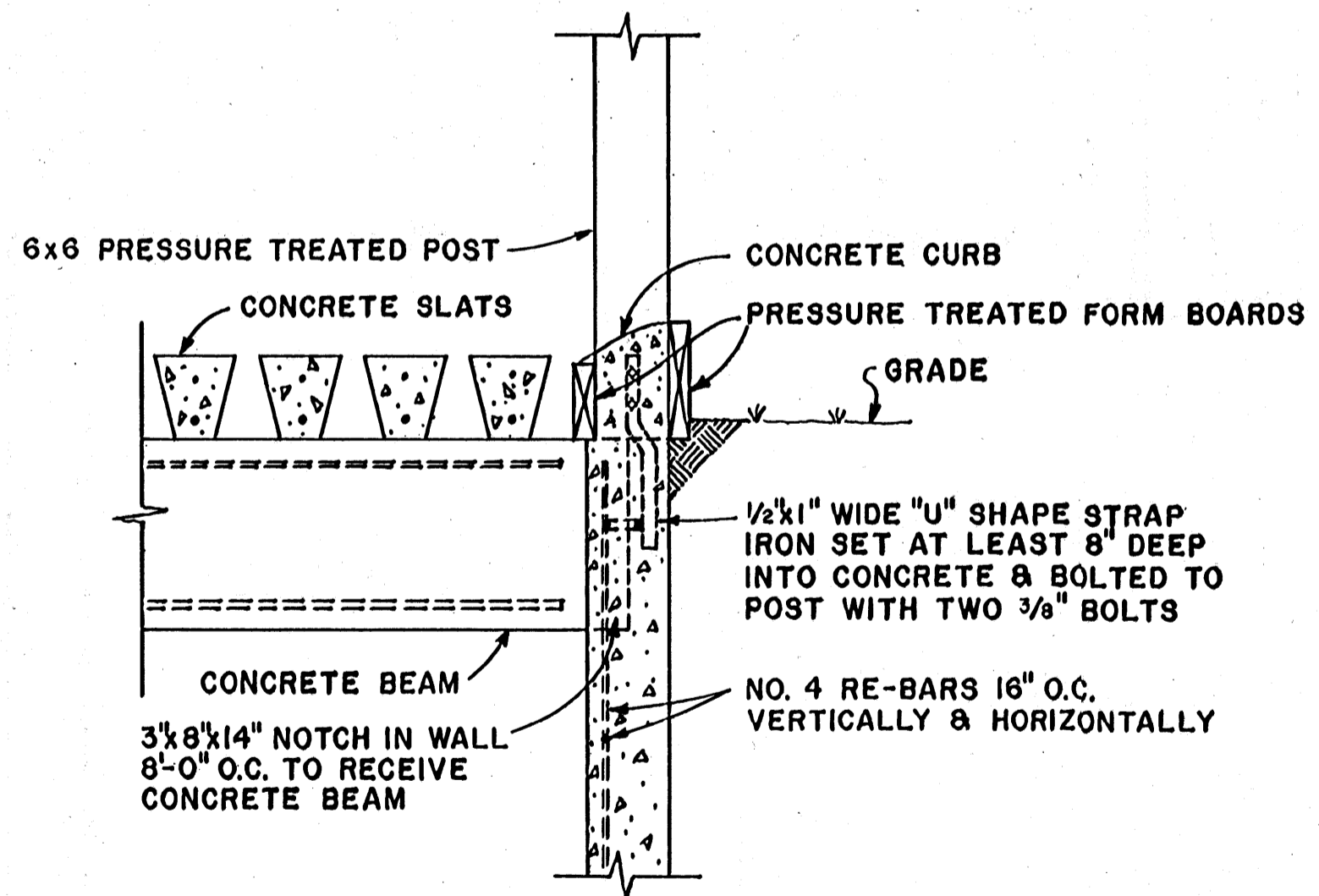
REINFORCED CONCRETE BEAM & SLAT DETAIL
SCALE: 1 1/2" = 1'-0"



EXTERIOR PERSPECTIVE



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



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

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ILL. '73 6160 SHEET 3 OF 3