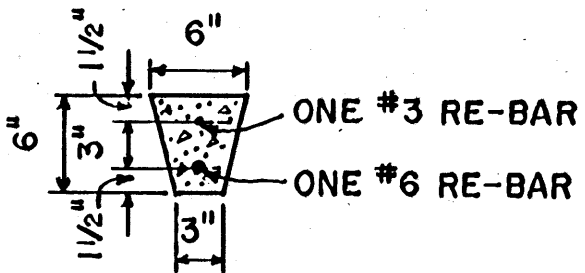
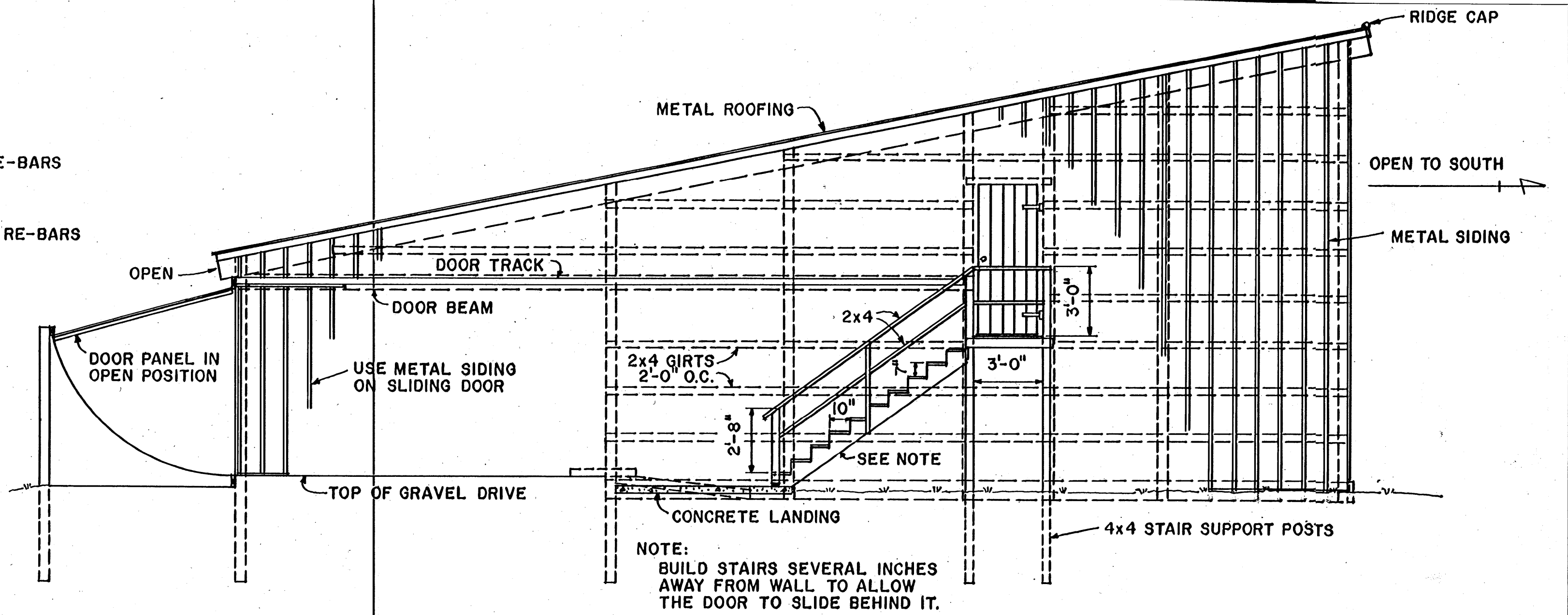


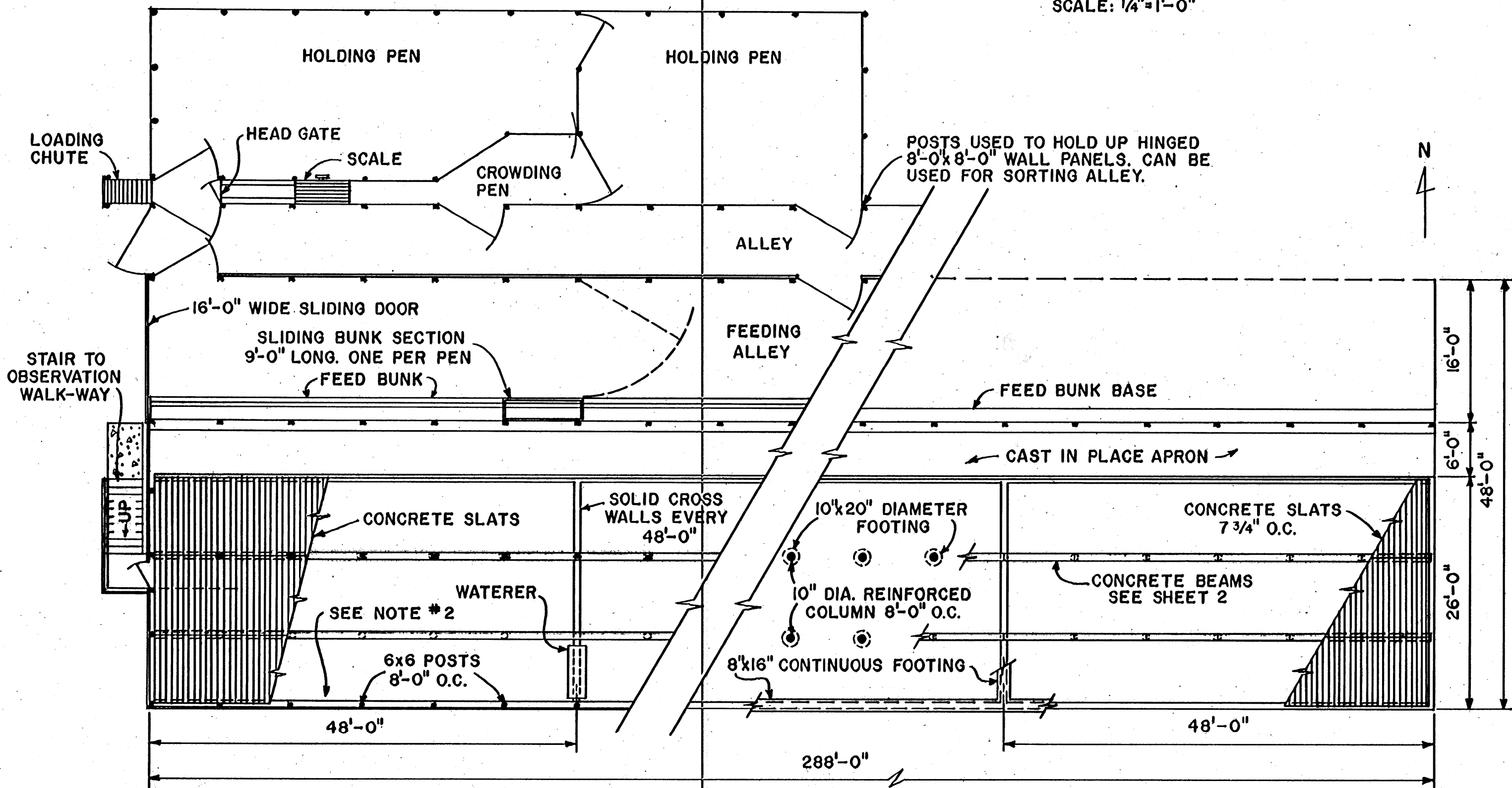
BEAM SECTION
SCALE: 1"=1'-0"



SLAT SECTION
SCALE: 1"=1'-0"



END VIEW
SCALE: 1/4"=1'-0"



FLOOR & FOUNDATION PLAN
SCALE: 3/32"=1'-0"

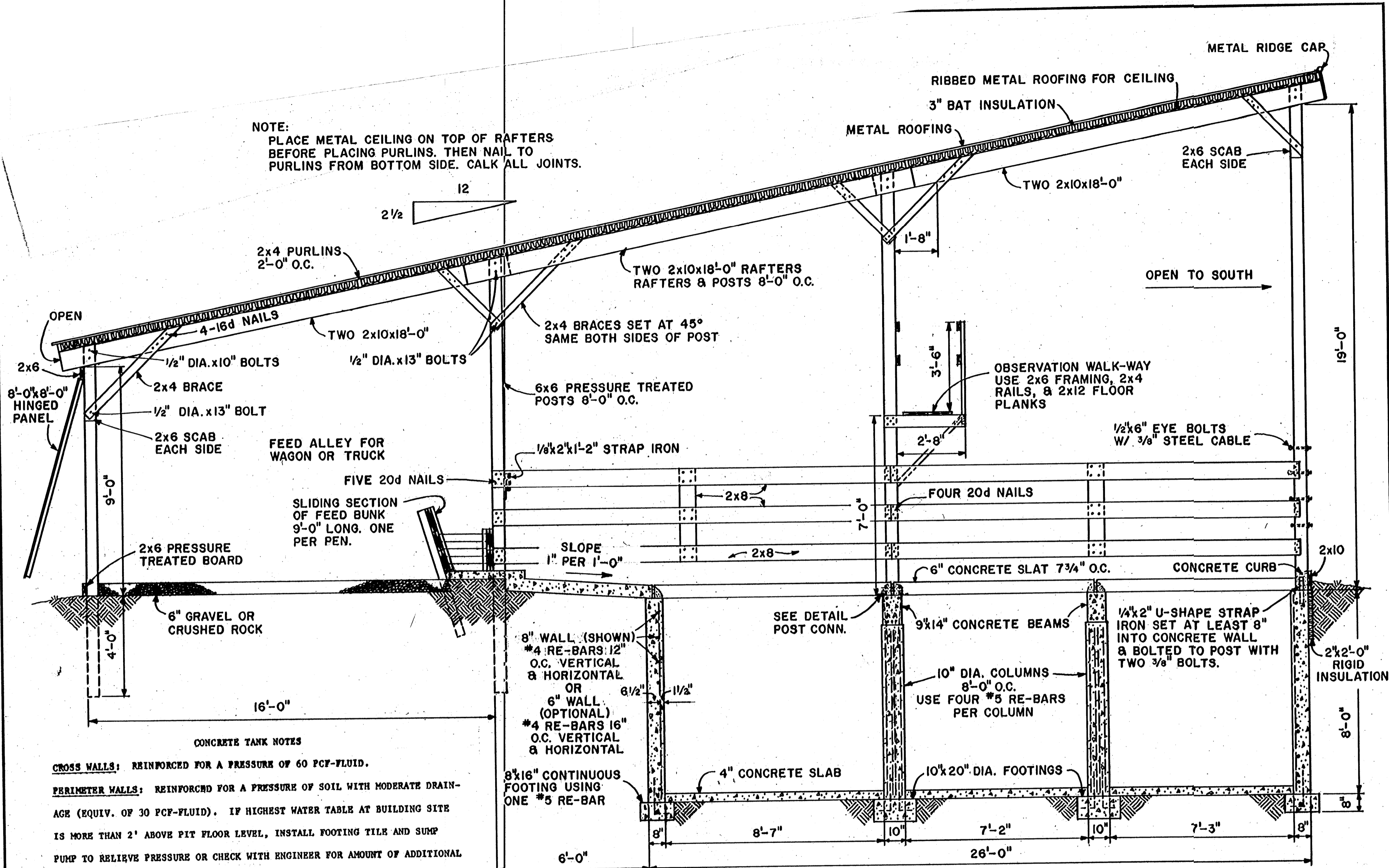
- NOTE:**
1. EACH 48'-0" PEN SECTION OF THE BUILDING WILL HOUSE 75 HEAD OF FEEDER CATTLE AT 20 SQ. FT. PER ANIMAL.
 2. LEAVE FOUR CONSECUTIVE SLATS LOOSE SO THEY CAN BE REMOVED FOR PUMPING WASTE FROM THE PIT. THE BEST LOCATION IS APPROX. AT THE CENTER OF THE FRONT PART OF EACH PEN.

BASED ON PLAN NO. 565 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**

ILL. '73	6158	SHEET 1 OF 3
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NOTE:
 PLACE METAL CEILING ON TOP OF RAFTERS
 BEFORE PLACING PURLINS. THEN NAIL TO
 PURLINS FROM BOTTOM SIDE. CALK ALL JOINTS.

OPEN TO SOUTH

CONCRETE TANK NOTES

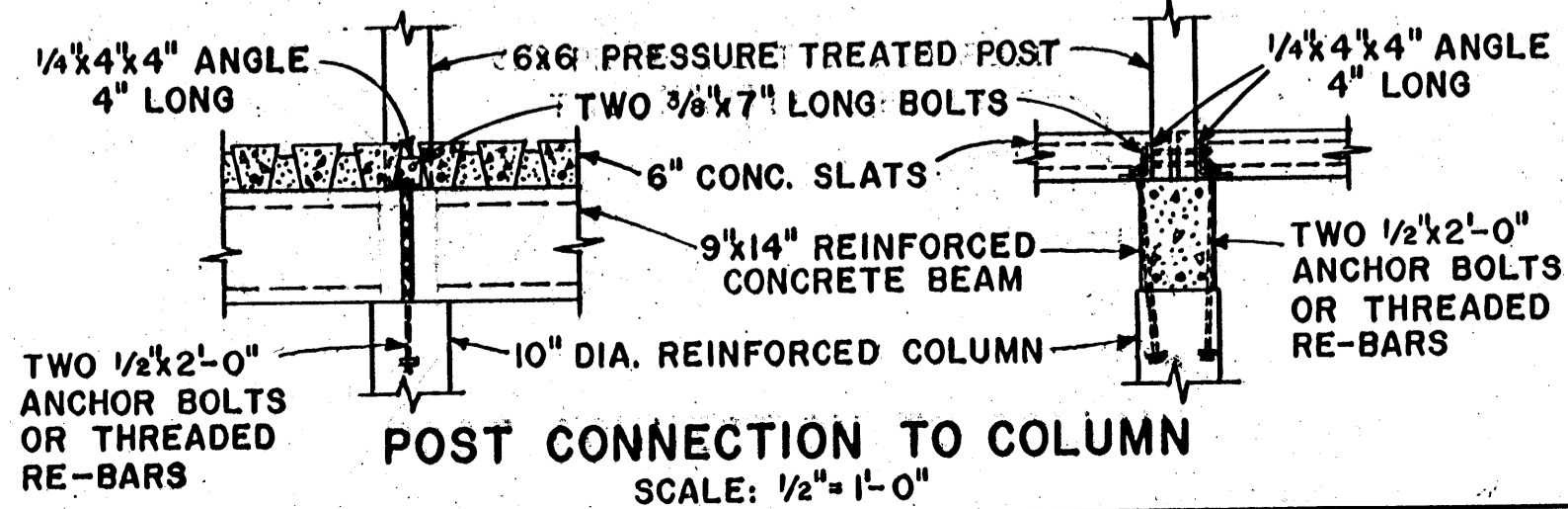
CROSS WALLS: REINFORCED FOR A PRESSURE OF 60 PCF-FLUID.

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.

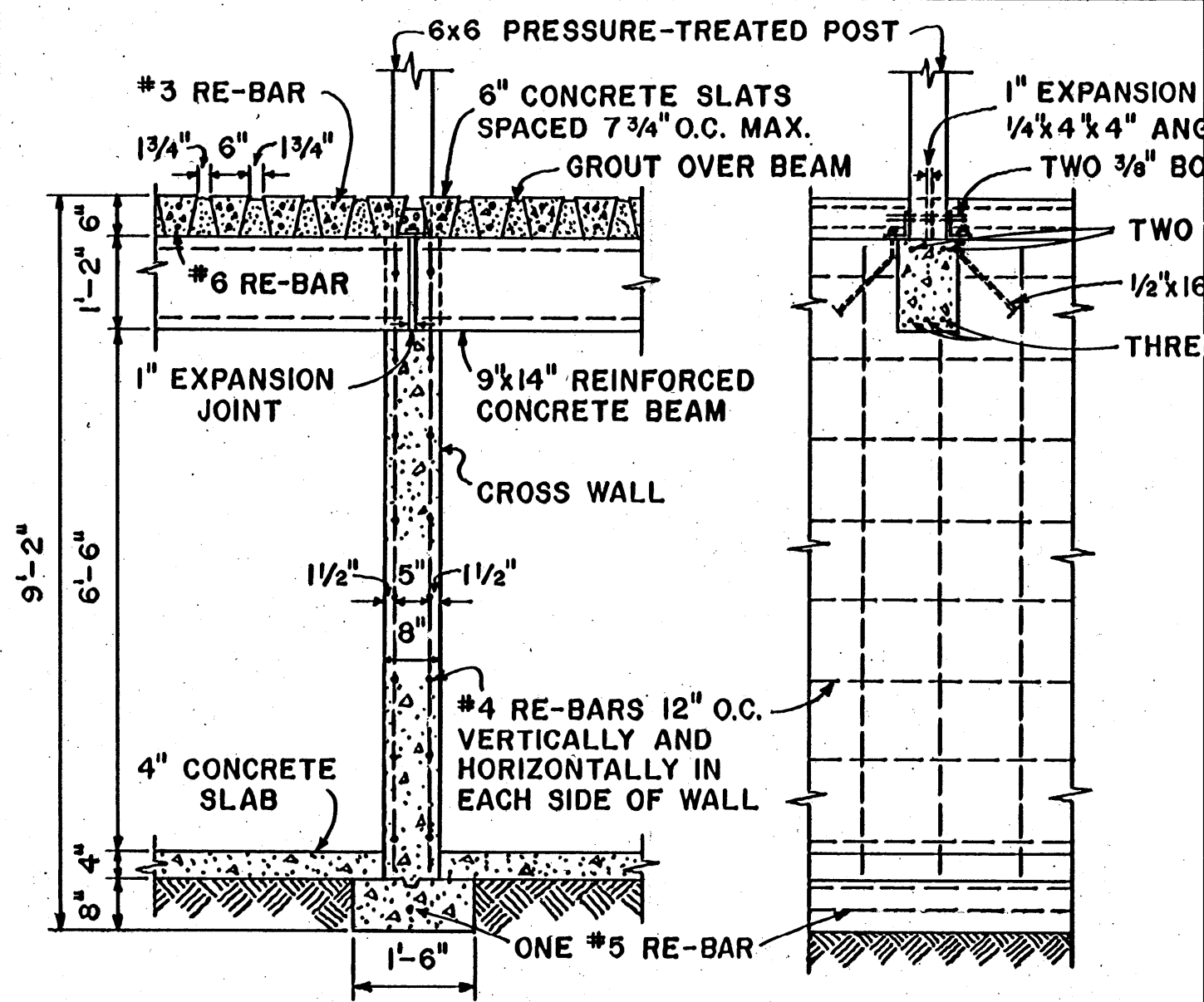
CROSS SECTION
 SCALE: 3/8" = 1'-0"



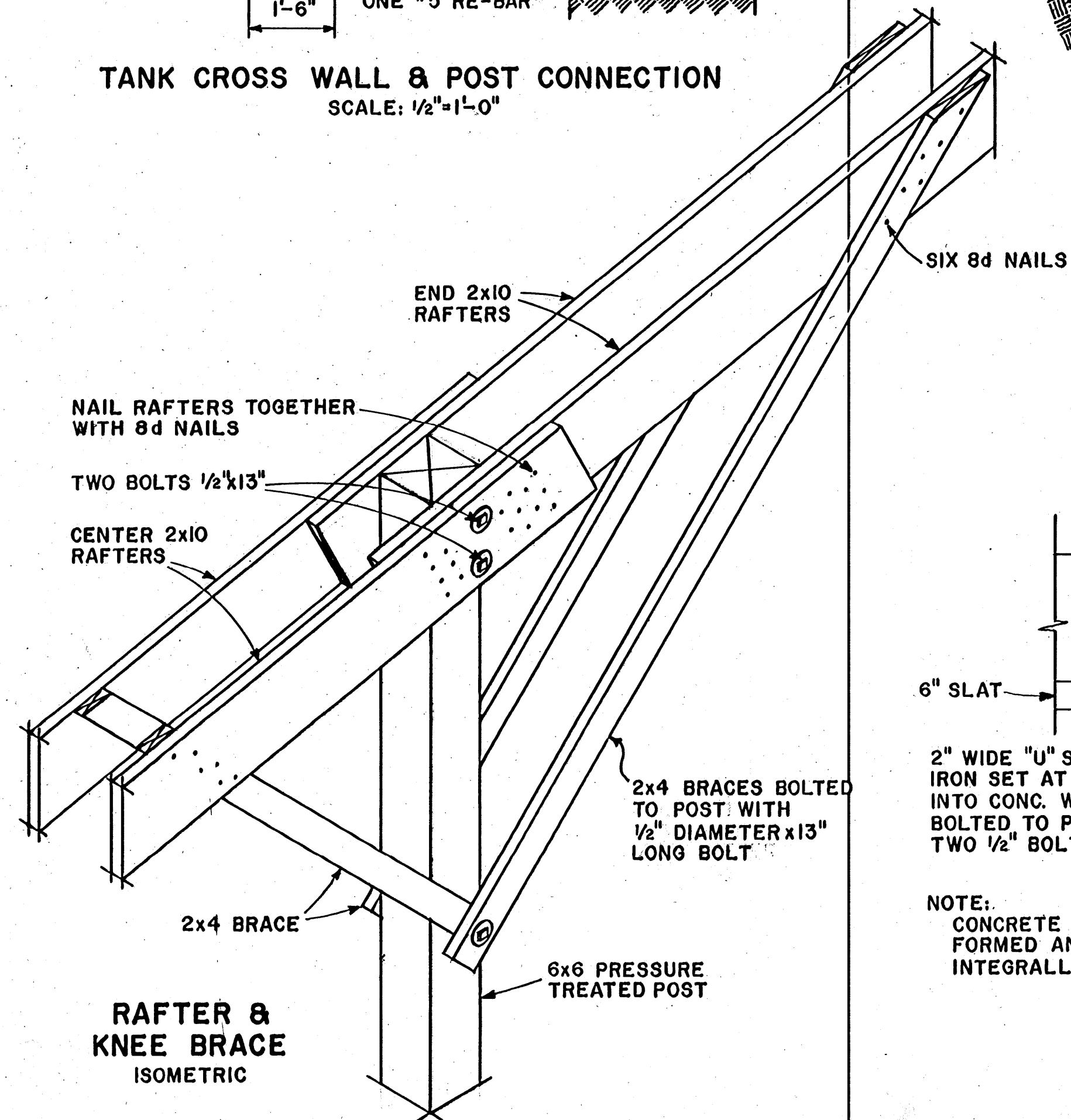
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**CONFINEMENT BEEF BARN
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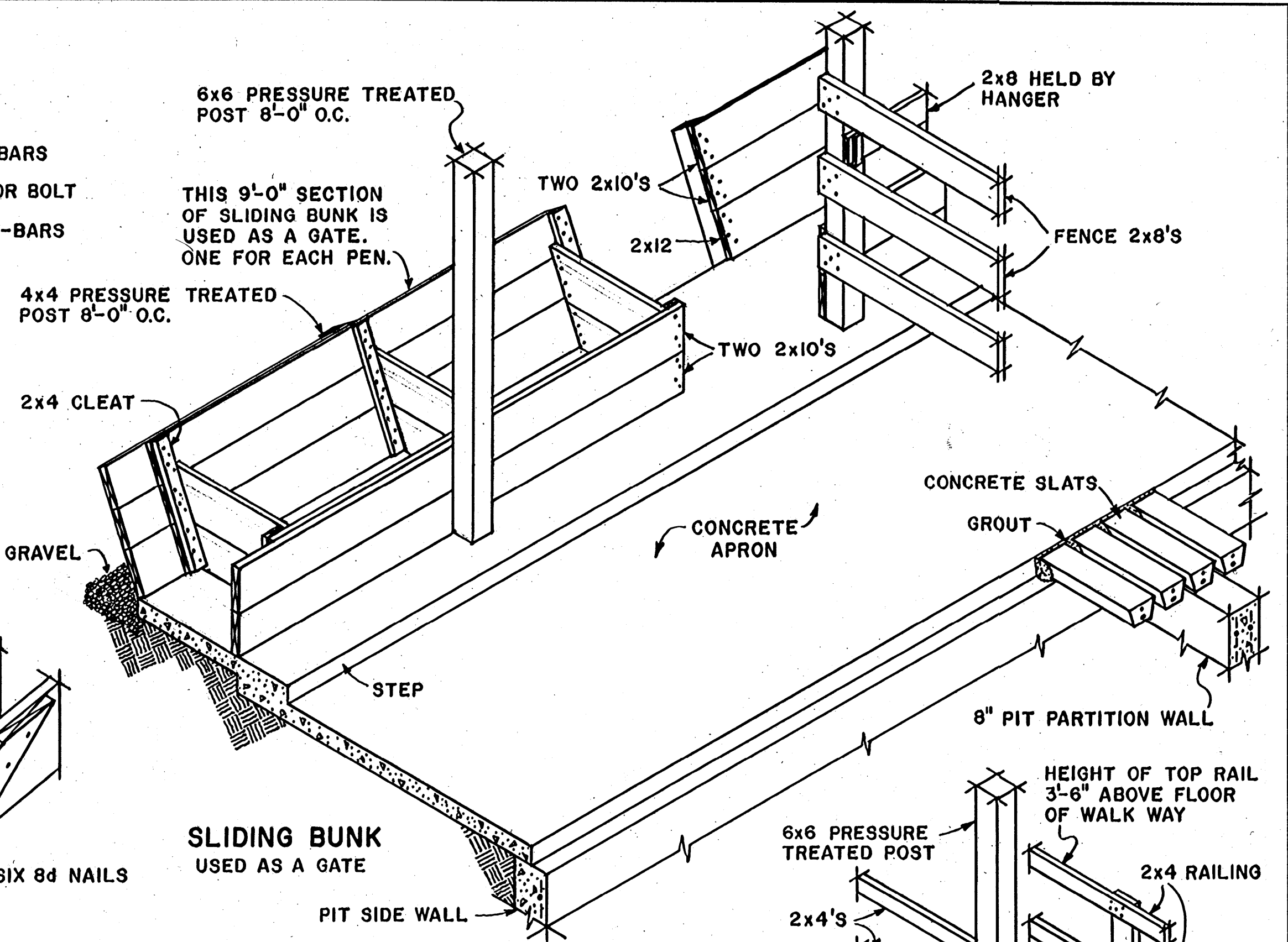
ILL.	'73	6158	SHEET 2 OF 3
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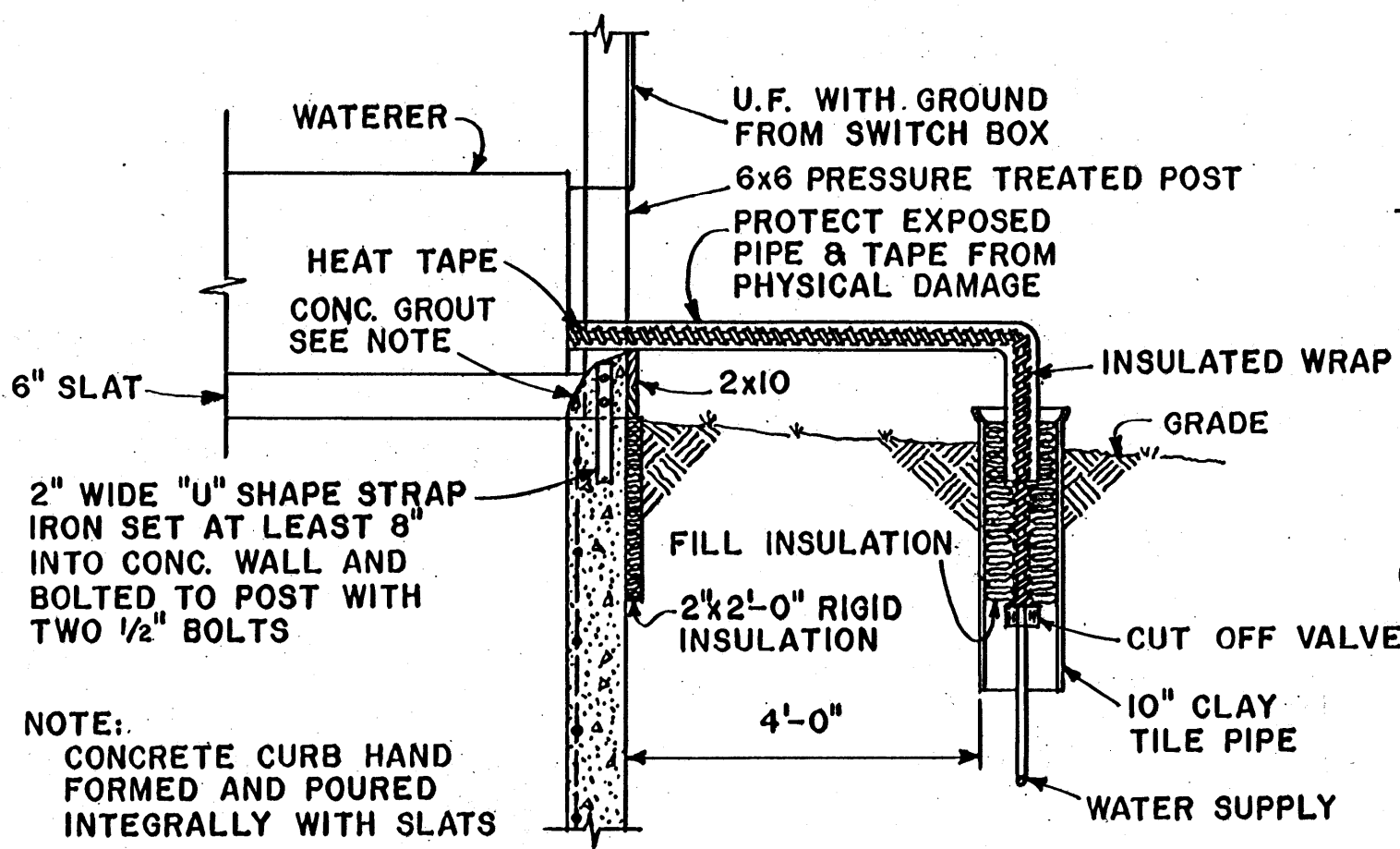
TANK CROSS WALL & POST CONNECTION
SCALE: 1/2"=1'-0"



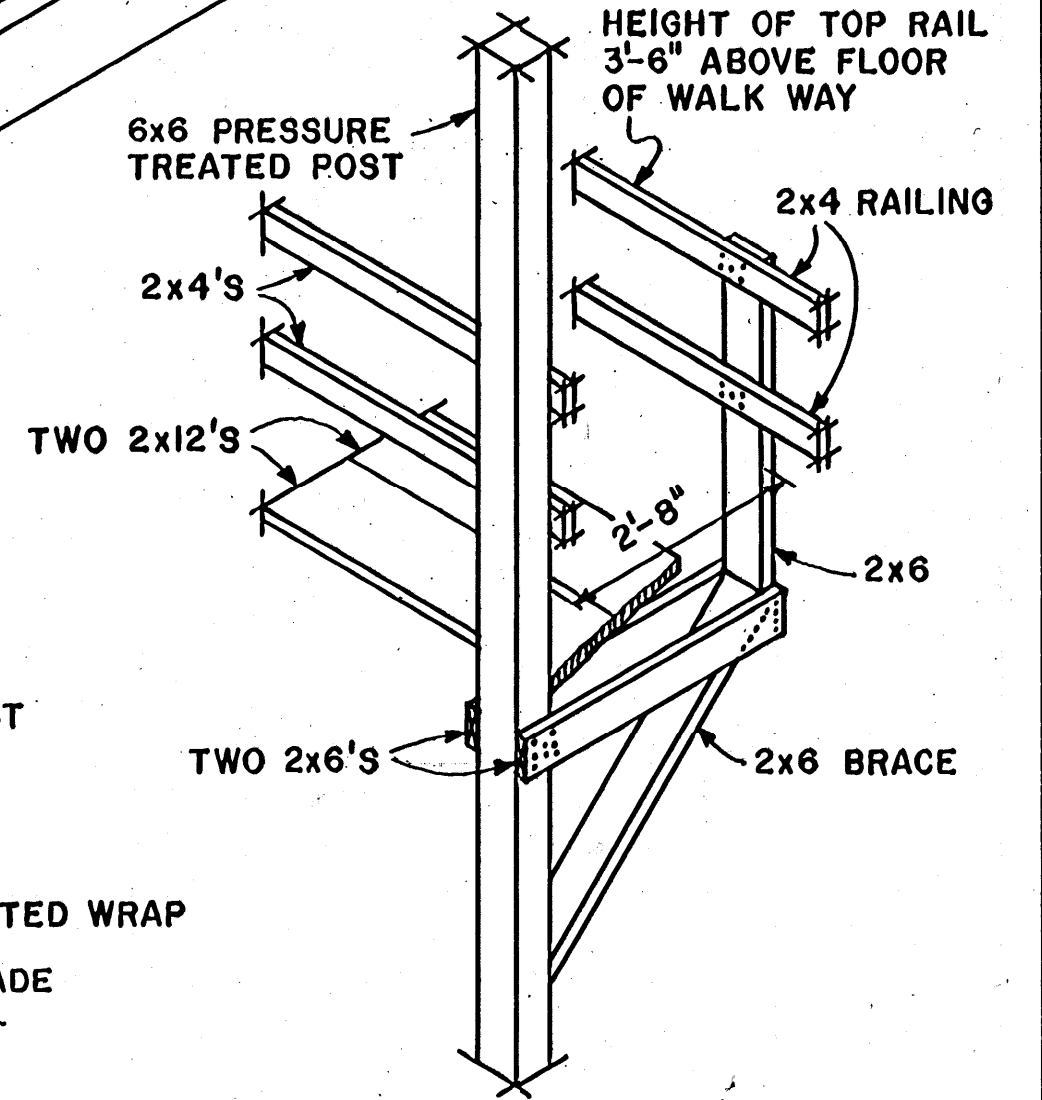
RAFTER & KNEE BRACE
ISOMETRIC



SLIDING BUNK
USED AS A GATE



WATERER & POST DETAIL
SCALE: 1/2"=1'-0"



OBSERVATION WALK WAY
ISOMETRIC

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CONFINEMENT BEEF BARN
REAR DRIVEWAY

ILL.	'73	6158	SHEET 3 OF 3
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