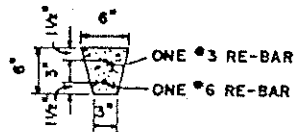
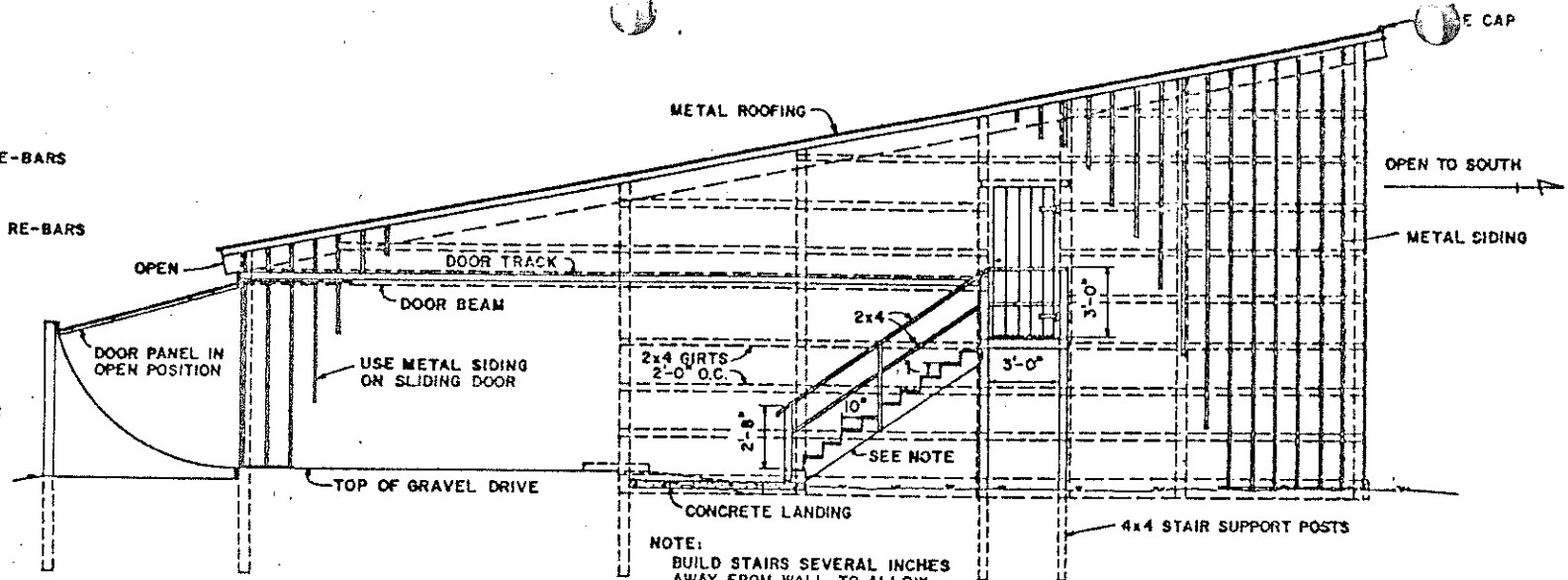


BEAM SECTION

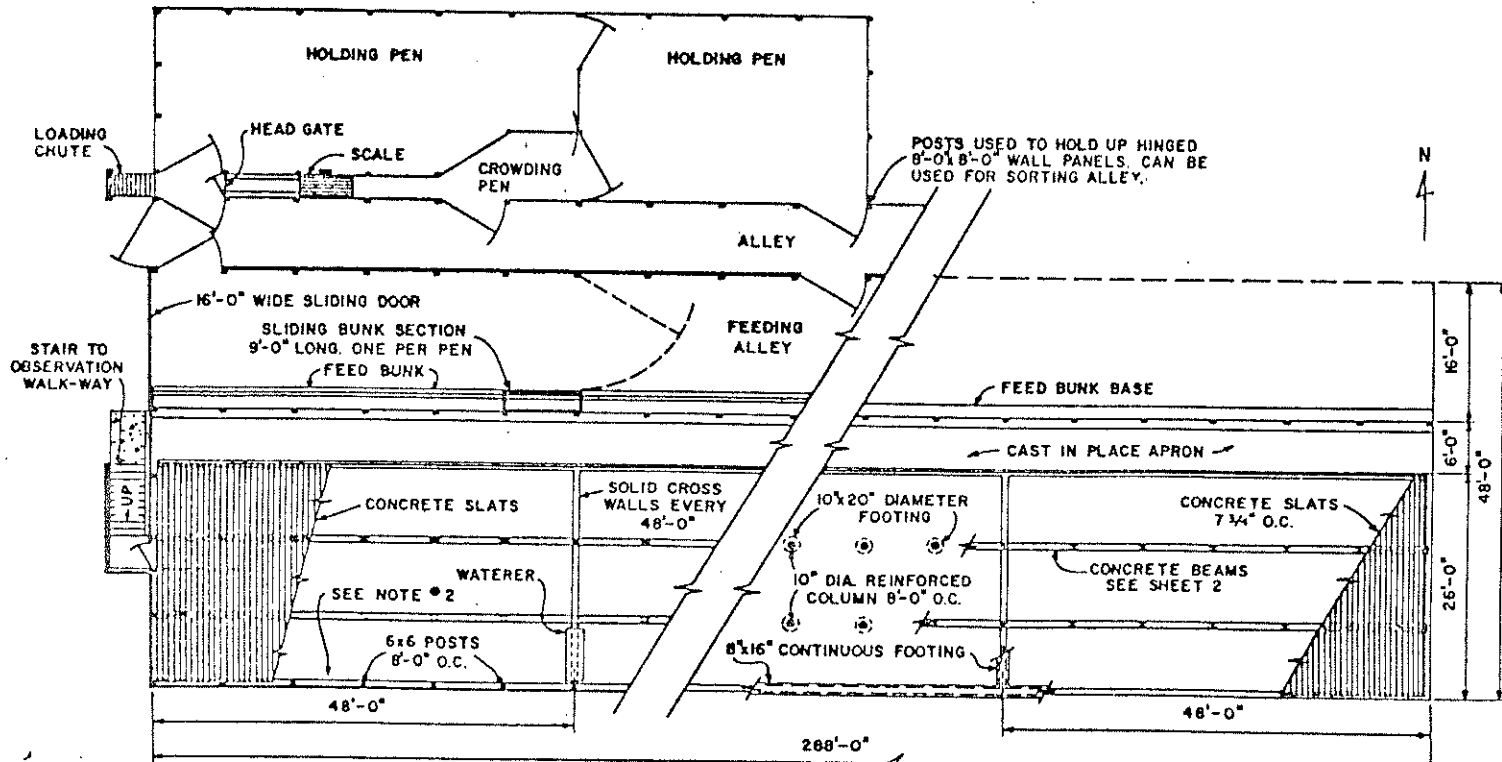


SLAT SECTION



NOTE:
BUILD STAIRS SEVERAL INCHES AWAY FROM WALL TO ALLOW THE DOOR TO SLIDE BEHIND IT.

END VIEW



FLOOR & FOUNDATION PLAN

- 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.

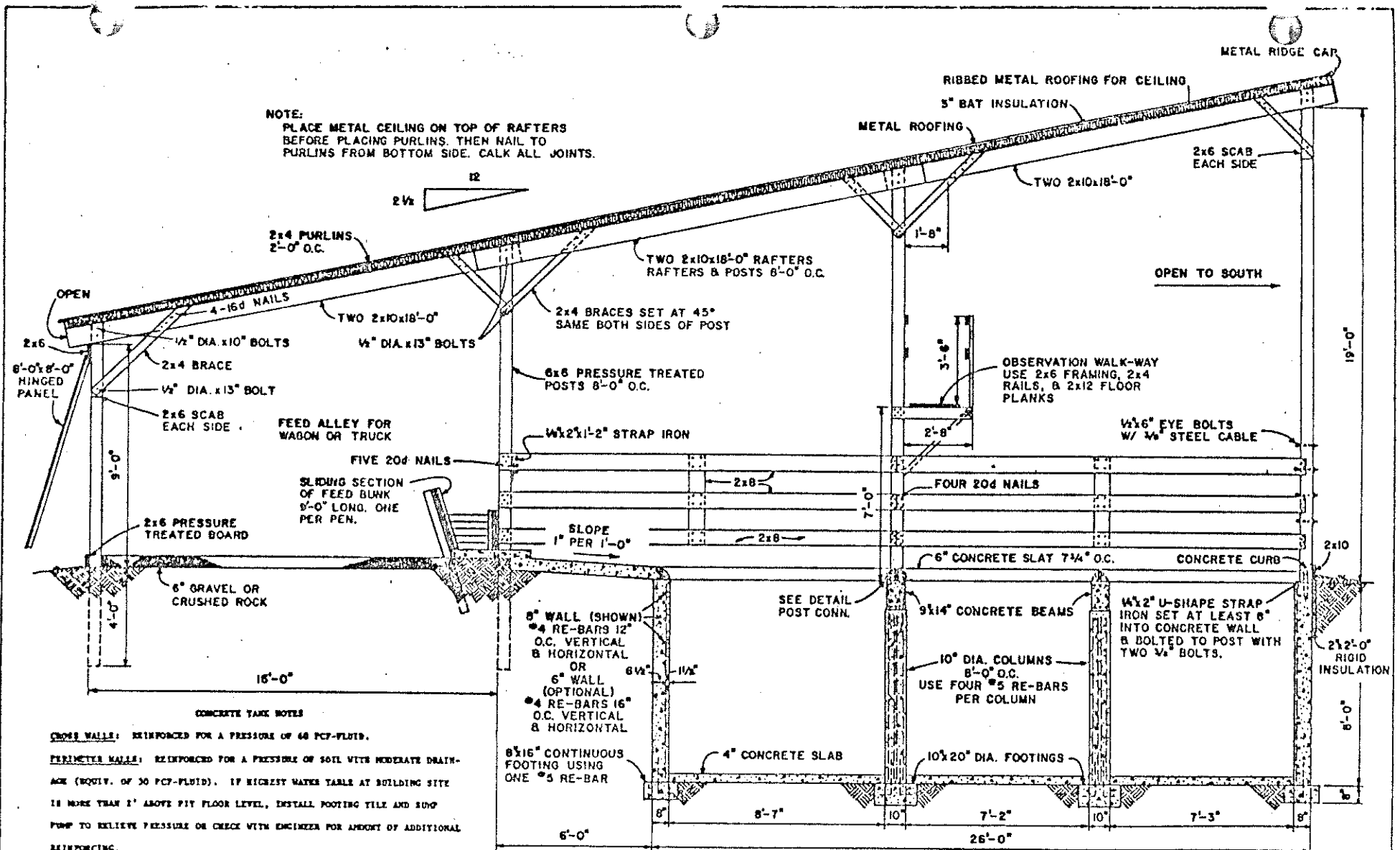
BASED ON PLAN NO. 565 UNIV. OF ILL.

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

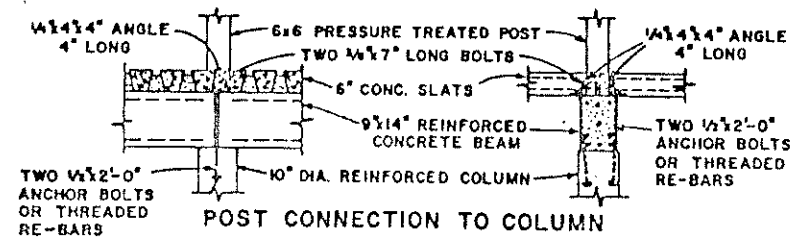
CONFINEMENT BEEF BARN REAR DRIVEWAY

ILL. '73 6158 SHEET 1 OF 3



NOTE:
PLACE METAL CEILING ON TOP OF RAFTERS BEFORE PLACING PURLINS. THEN NAIL TO PURLINS FROM BOTTOM SIDE. CALC ALL JOINTS.

CROSS SECTION



POST CONNECTION TO COLUMN

CONCRETE TANK NOTES

CROSS WALLS: REINFORCED FOR A PRESSURE OF 40 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 FIN FLOOR LEVEL, INSTALL FOOTING TILE AND SOUP 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.

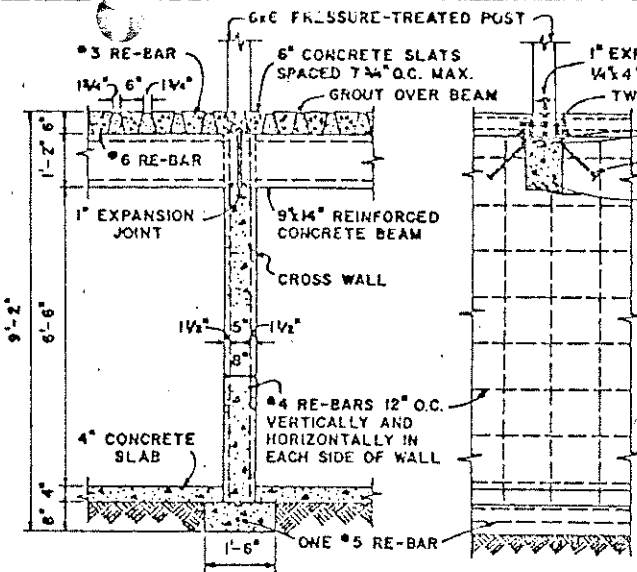
PRECAUTIONS: THIS DESIGN IS SAFE FOR MANY BUILDING SITES. THE GREATEST DANGER OF A WALL FAILURE IS DURING BACKFILLING. BEAMS AND SLATS SHOULD BE IN PLACE BEFORE BACKFILLING. TEMPORARY BRACING COULD BE USED TO HELP WITHSTAND WATER PRESSURE FROM A HEAVY RAIN OR VEHICLE WHEEL LOADS DURING BACKFILLING.

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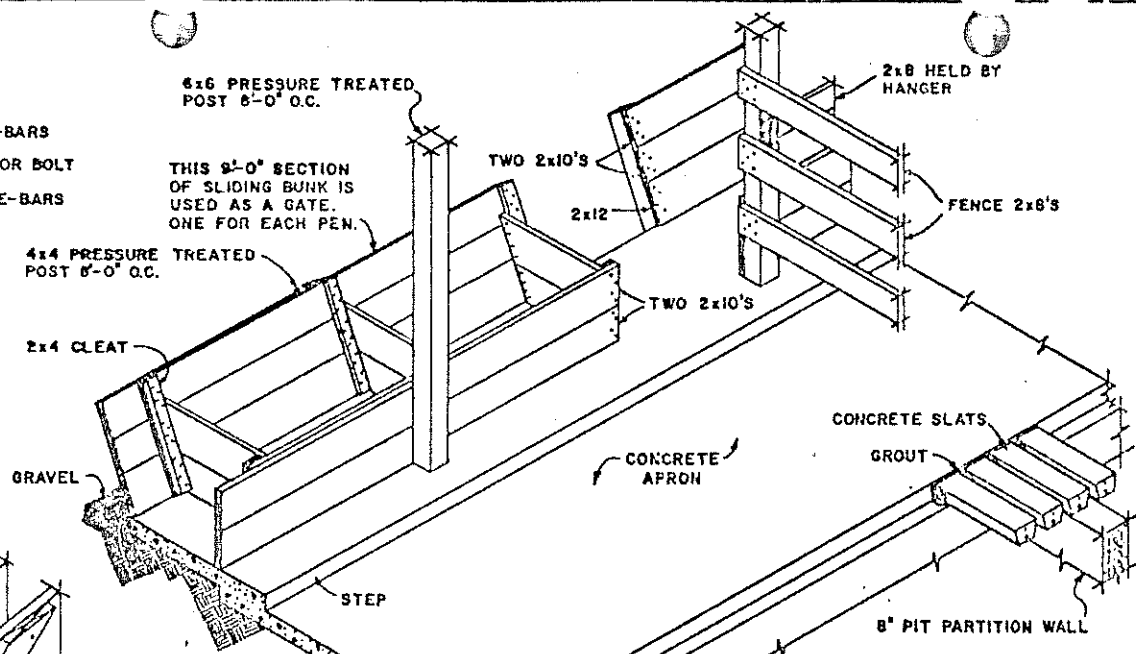
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**CONFINEMENT BEEF BARN
REAR DRIVEWAY**

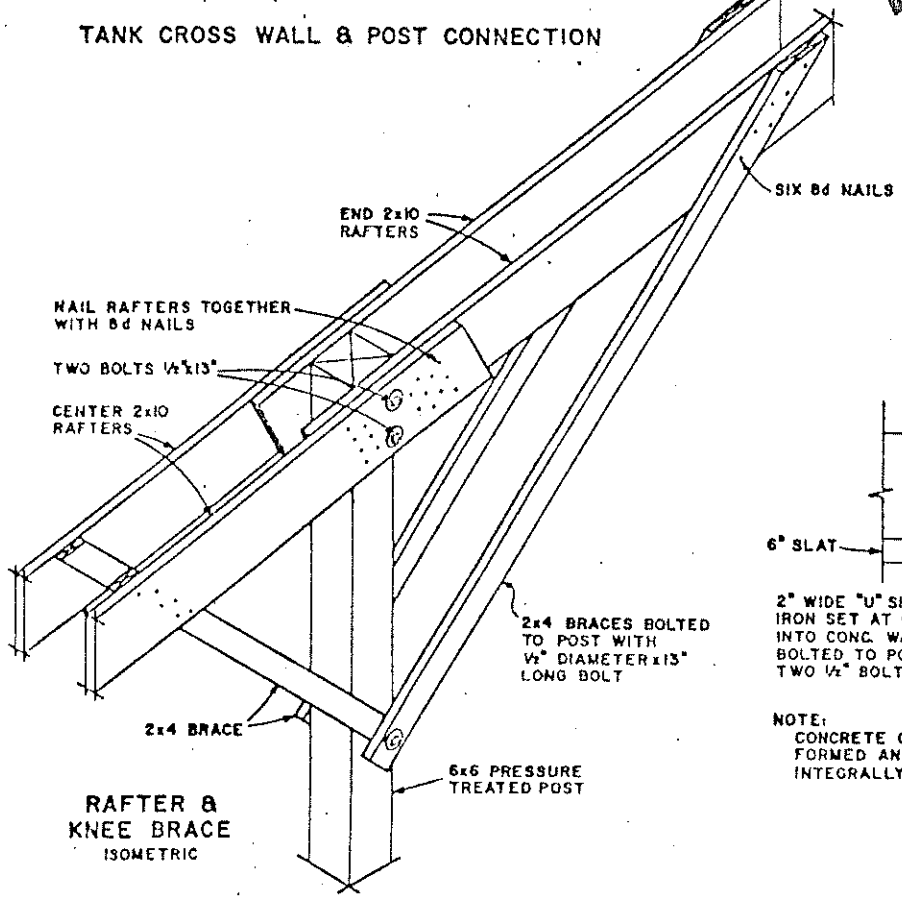
ILL. '73 6158 SHEET 2 OF 3



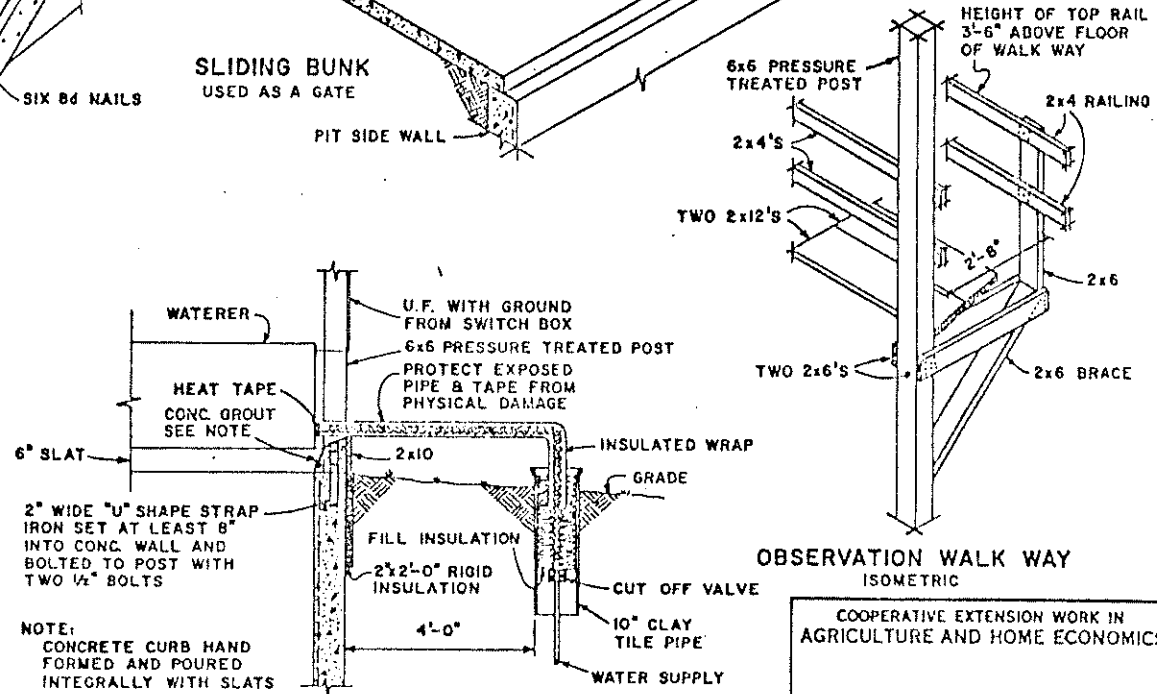
TANK CROSS WALL & POST CONNECTION



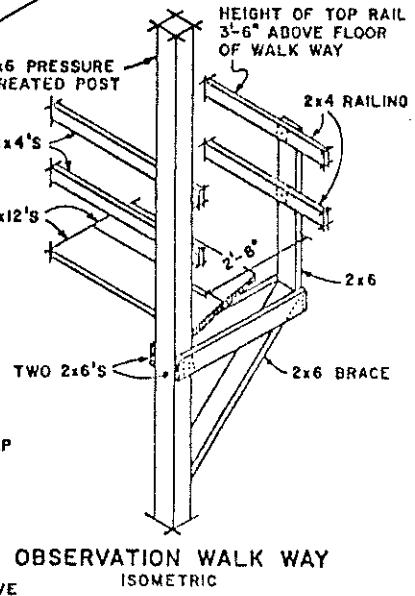
SLIDING BUNK
USED AS A GATE



RAFTER &
KNEE BRACE
ISOMETRIC



WATERER & POST DETAIL



OBSERVATION WALK WAY
ISOMETRIC

NOTE:
CONCRETE CURB HAND
FORMED AND POURED
INTEGRALLY WITH SLATS

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS		
AND UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING		
CONFINEMENT BEEF BARN REAR DRIVEWAY		
ILL.	'73	6158 SHEET 3 OF 3