

PARTIAL FOUNDATION AND FLOOR PLAN

SCALE: 1/8"=1'-0"

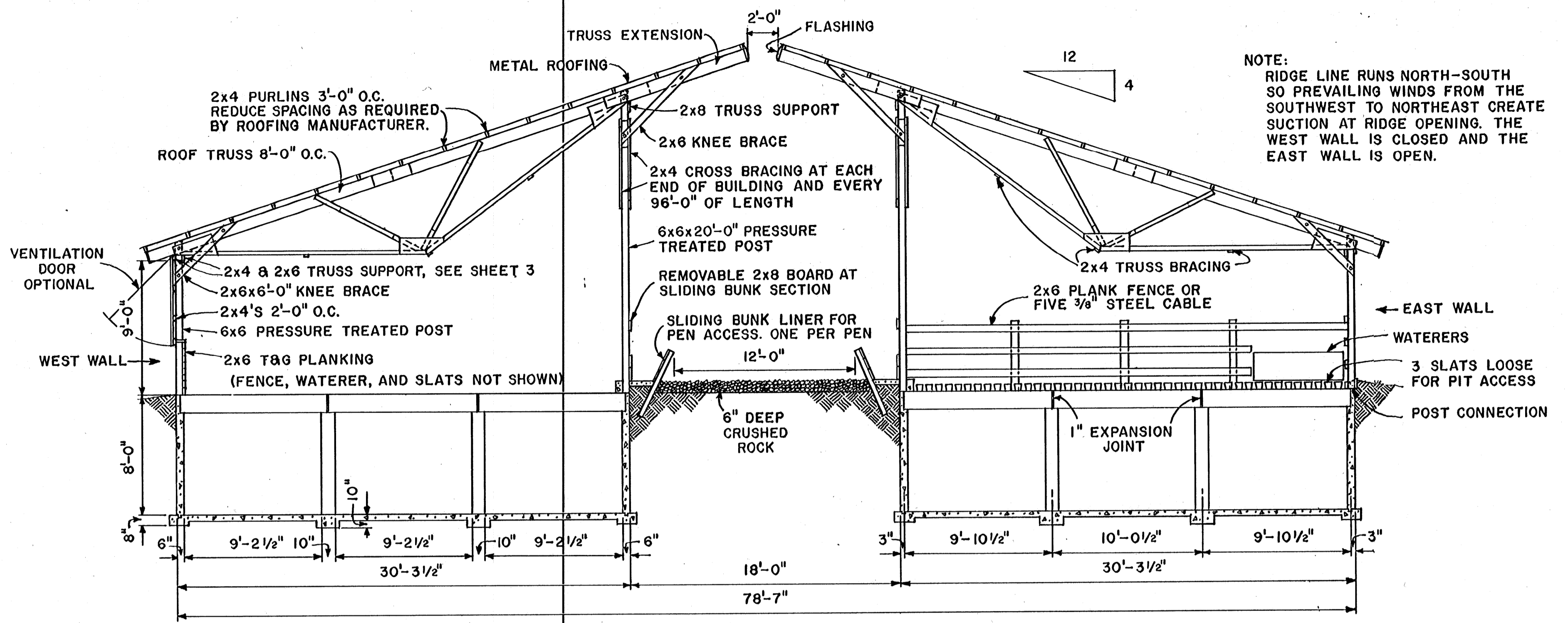
NOTE:
CONSULT LOCAL HEALTH AND
BUILDING CODE AUTHORITIES
BEFORE STARTING CONSTRUCTION

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

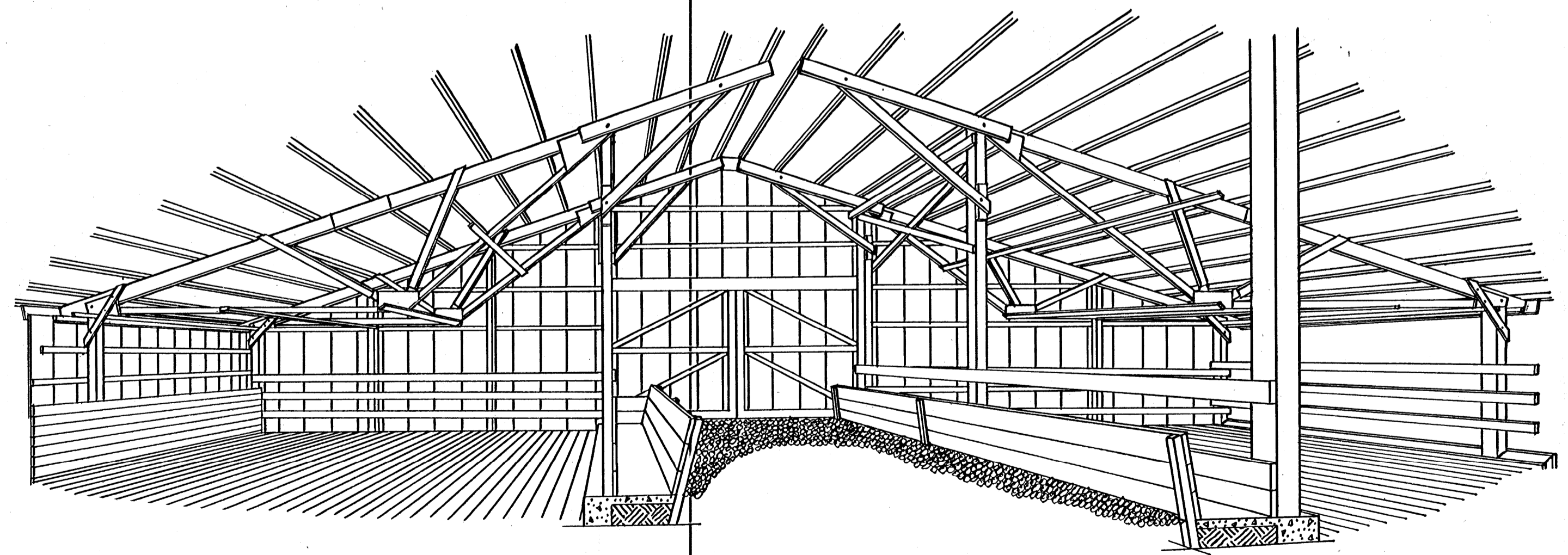
CONFINEMENT BEEF BARN

ILL. '73 6156 SHEET 1 OF 4

BASED ON: UNIV. OF ILL. PLAN NO. 566



SECTION A-A
SCALE: 3/16" = 1'-0"

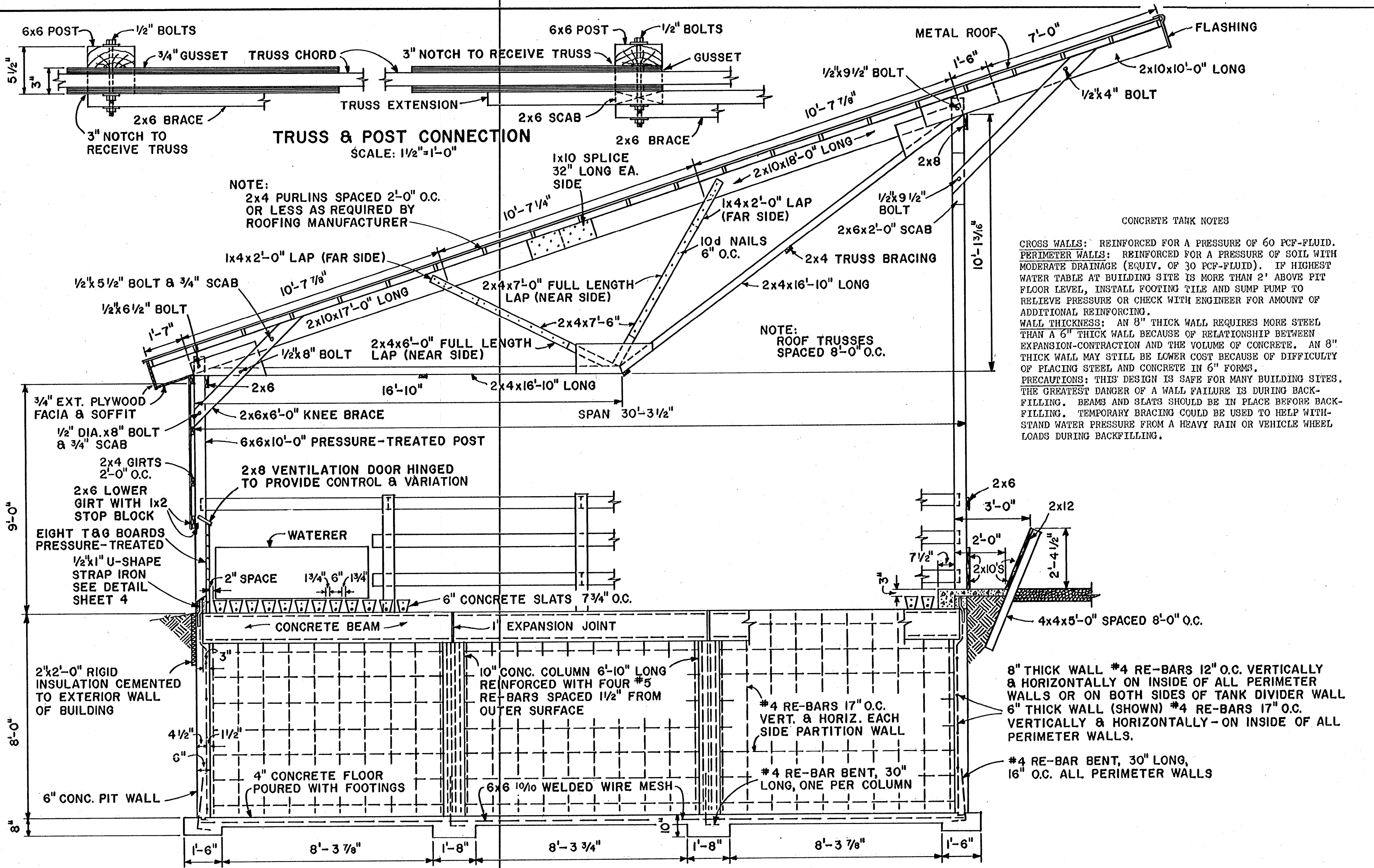


INTERIOR PERSPECTIVE

COOPERATIVE EXTENSION WORK IN
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TRUSS & POST CONNECTION
SCALE: 1/2"=1'-0"

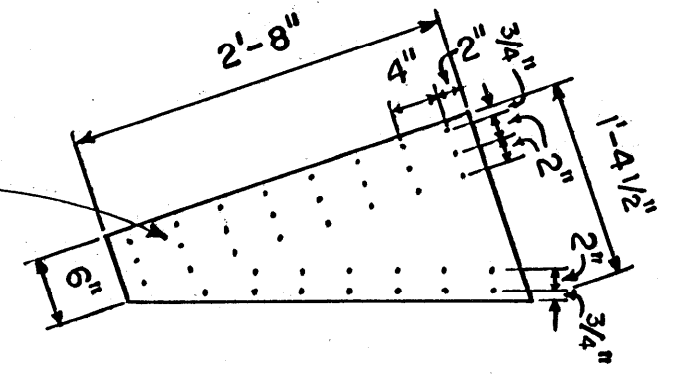
NOTE:
2x4 PURLINS SPACED 2'-0" O.C.
OR LESS AS REQUIRED BY
ROOFING MANUFACTURER

NOTE:
ROOF TRUSSES
SPACED 8'-0" O.C.

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 BACK-
FILLING. BEAMS AND SLATS SHOULD BE IN PLACE BEFORE BACK-
FILLING. TEMPORARY BRACING COULD BE USED TO HELP WITH-
STAND WATER PRESSURE FROM A HEAVY RAIN OR VEHICLE WHEEL
LOADS DURING BACKFILLING.

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



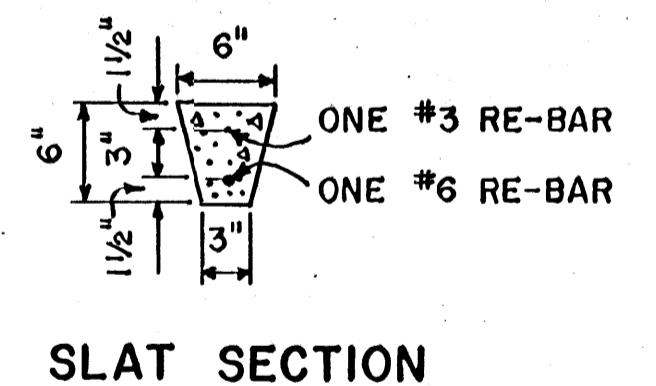
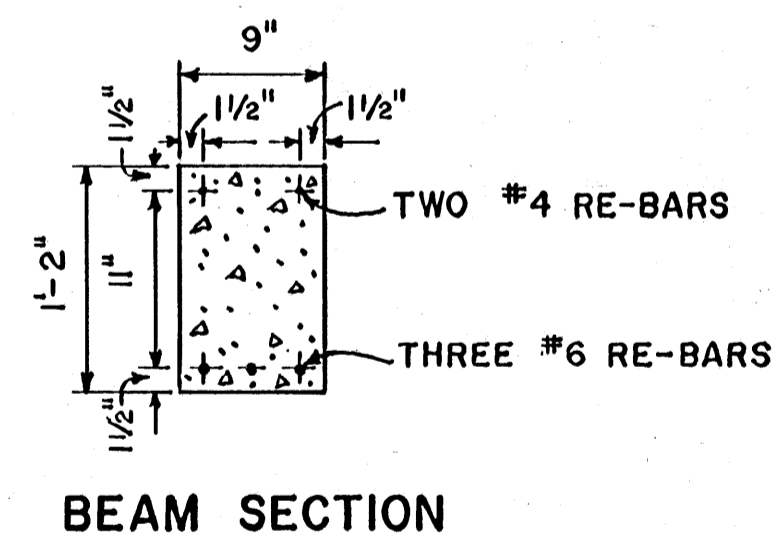
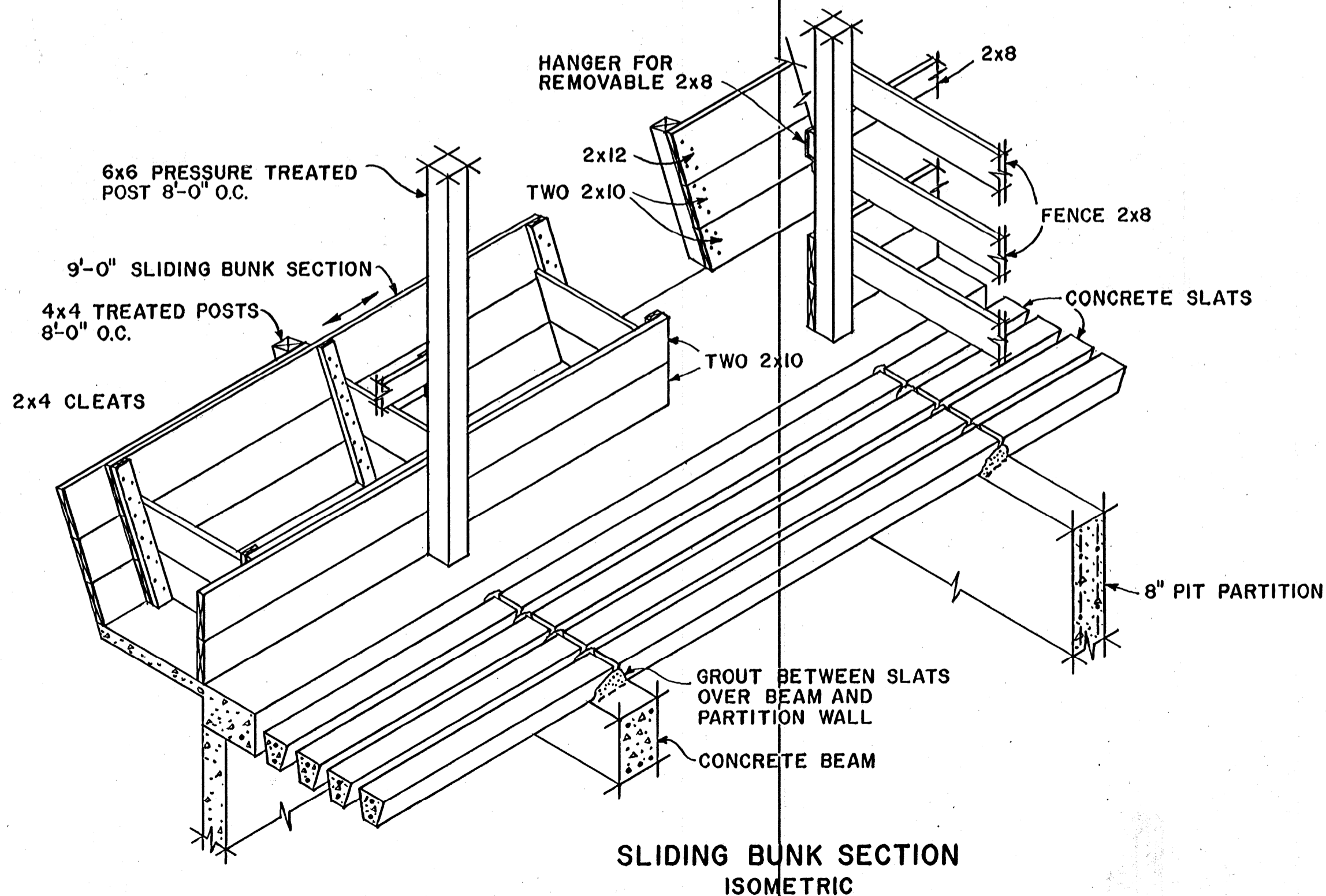
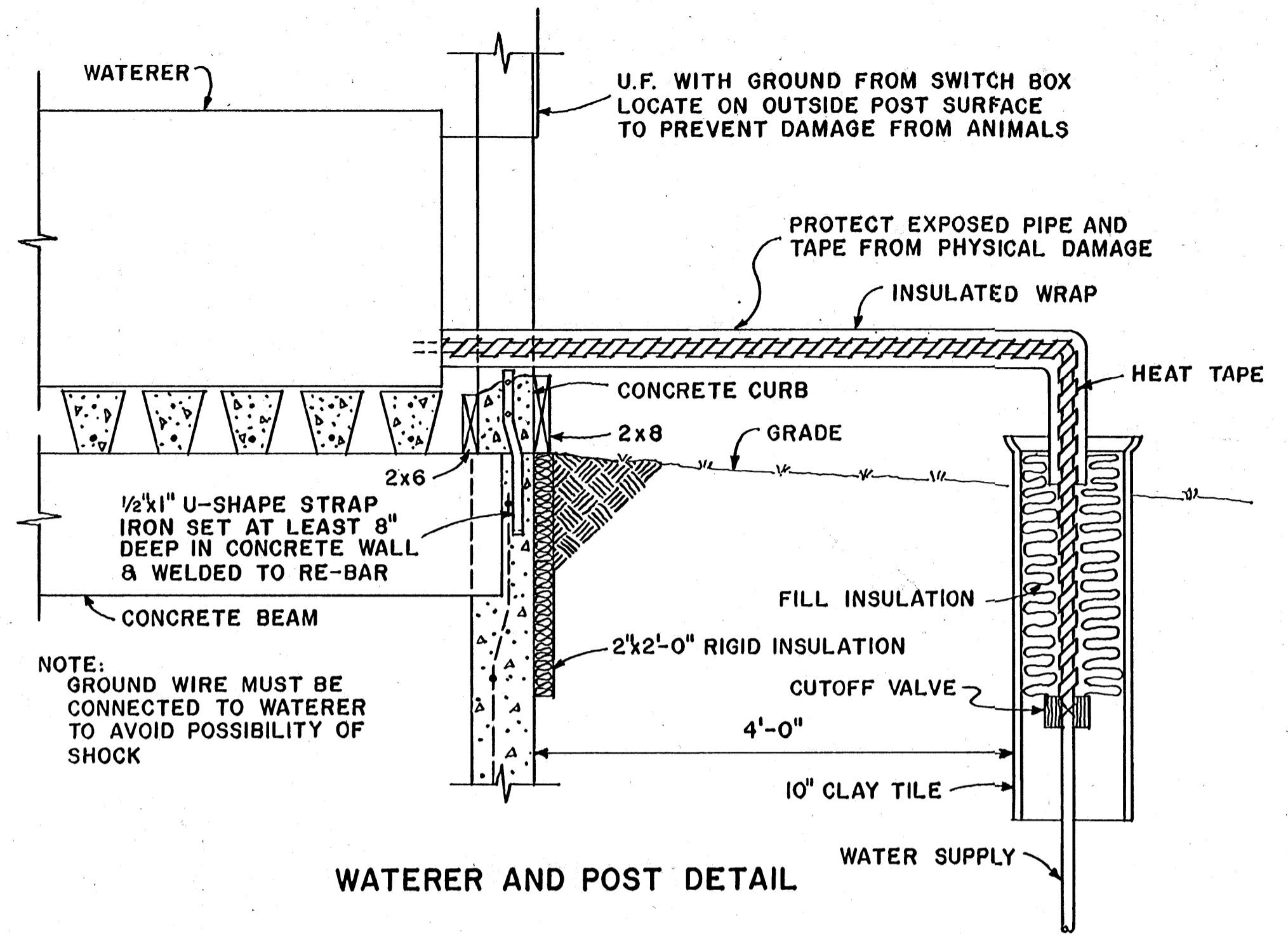
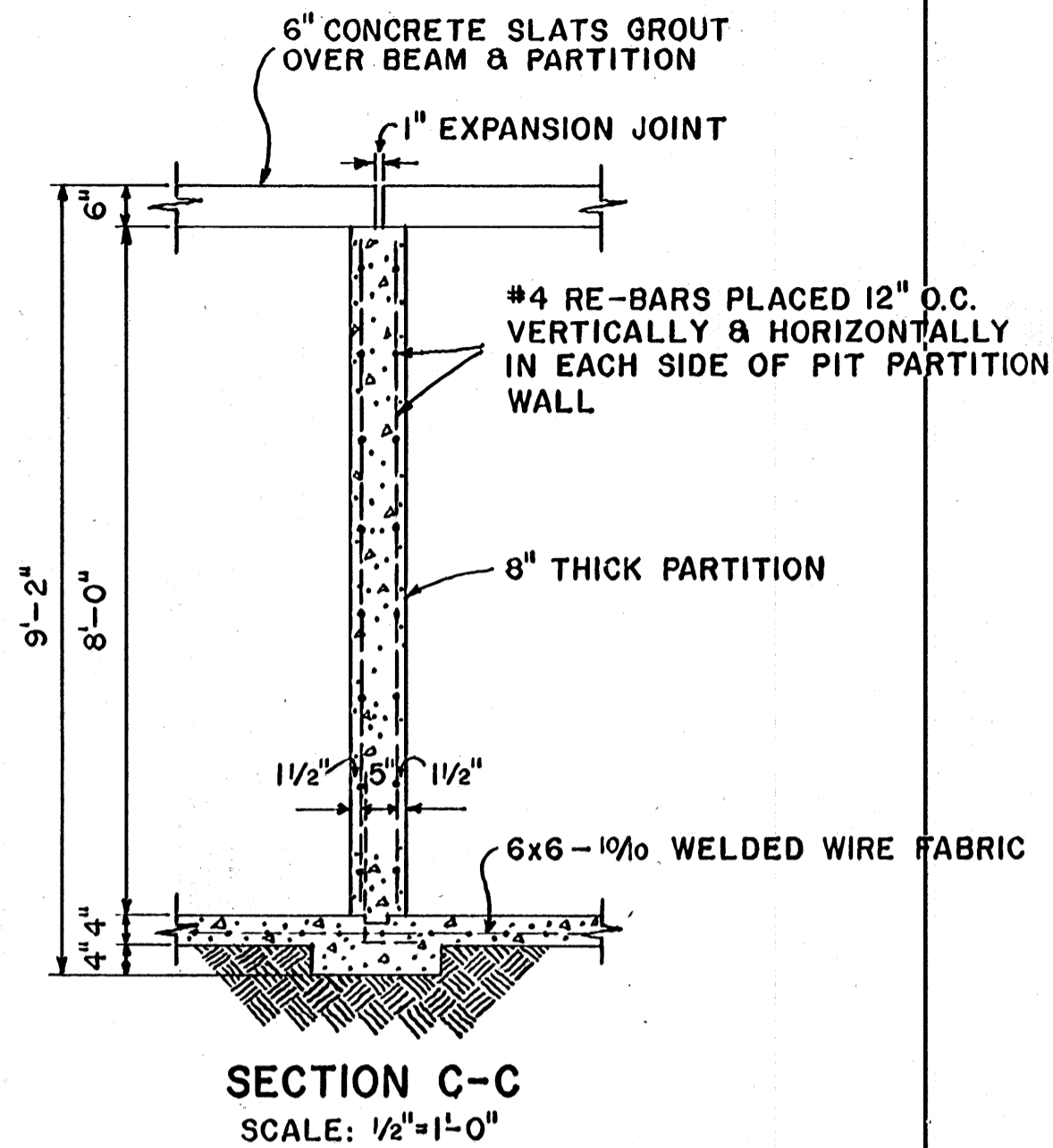
GUSSET PLATES & NAILING PATTERN
SCALE: 3/4"=1'-0"

NOTE:
USE 6d OR 7d GALVANIZED OR CEMENT COATED
NAILS. NAIL OUTWARD FROM MIDDLE ROW.

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SCALE: 1"=1'-0" UNLESS OTHERWISE NOTED

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