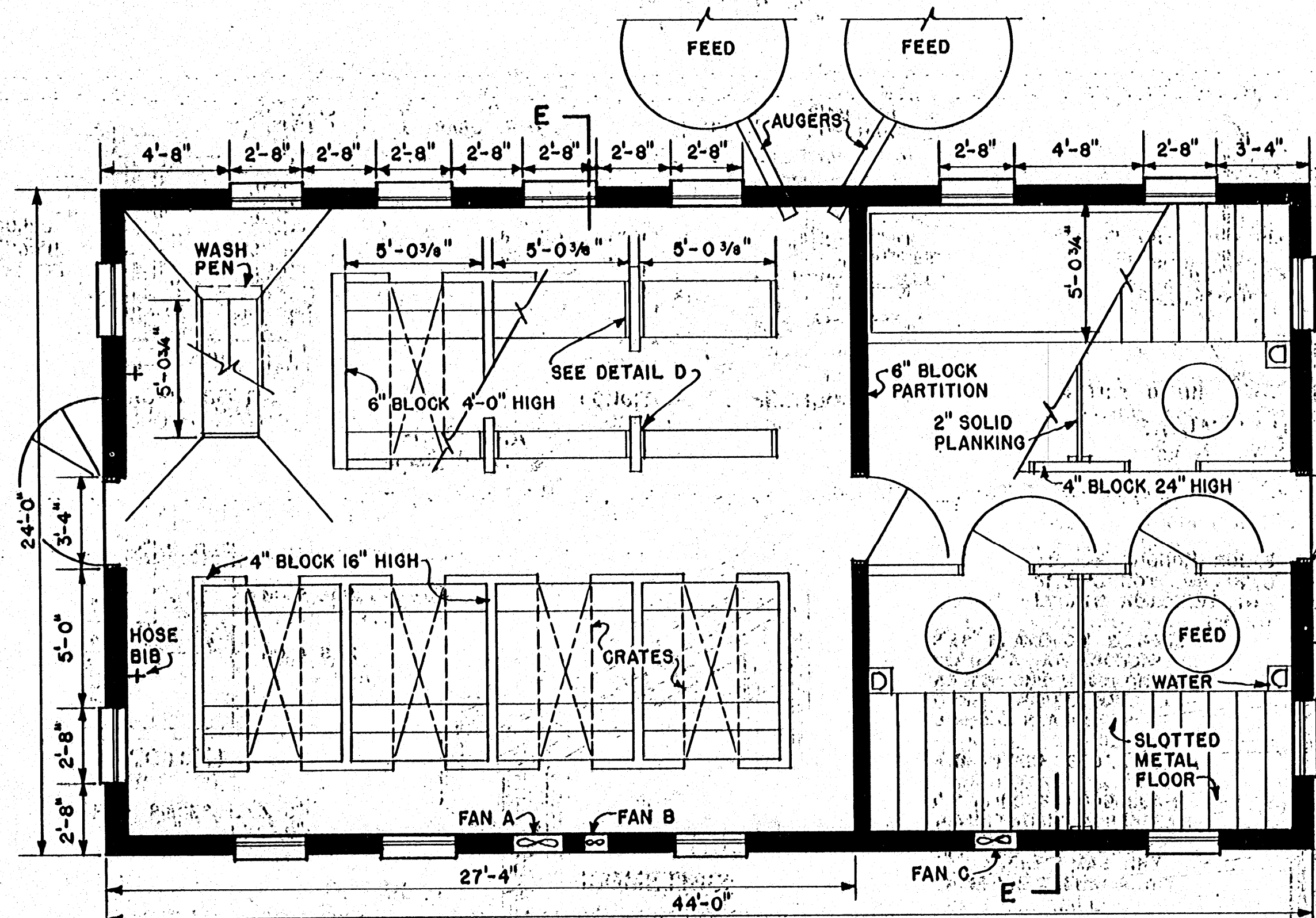


FOUNDATION PLAN



FLOOR PLAN
SCALE: 1/4" = 1'-0"



PERSPECTIVE

THIS BUILDING IS INTENDED FOR USE IN MODERATE CLIMATES.

SLOTTED METAL FLOOR PANELS USED OVER ALL PITS ARE 1/4" GAGE STEEL, 11 3/16" x 5'-0" WITH FLANGES 3" DEEP. TRANSVERSE SLOTS 3/8" WIDE ARE SPACED ABOUT 3/4" O.C. OTHER SLOTTED FLOOR SYSTEMS MAY BE SUBSTITUTED PROVIDING CONSTRUCTION IS MODIFIED TO SUIT. SPACING TO PROVIDE 3/8" SLOTS IS RECOMMENDED.

COMMERCIAL CRATES WITH GATE-MOUNTED FEEDERS AND WATERERS ARE INSTALLED IN EACH OF THE SEVEN FARROWING PENS.

EXHAUST FAN CAPACITIES SHALL BE RATED AT 1/2" STATIC PRESSURE:

FAN A	2,000-2,500 CFM
" B	400-600 "
" C	1,500-2,000 "

FANS SHALL HAVE SELF-CLOSING SHUTTERS AND WEATHER HOODS.

FANS A AND C SHOULD BE INSTALLED TO PERMIT THEM TO BE TURNED AROUND FOR USE AS INTAKE FANS DURING HOT WEATHER.

THE CONCRETE FLOOR SLAB, 3" THICK AT THE EDGES OF THE PITS, SHOULD BE CROWNED TO PROVIDE A SLOPE TOWARD THE PITS FOR DRAINAGE.

THE INSIDE OF ALL PITS SHALL BE GIVEN TWO COATS OF BITUMINOUS WATERPROOFING.

THE WASH PEN IS OPTIONAL. IF DESIRED, THE SPACE MAY BE USED FOR FEED OR UTILITY AREA.

SOLID WOOD OR METAL PANELS MAY BE SUBSTITUTED FOR THE 4" BLOCK PEN WALLS SHOWN.

FOOTINGS MUST BEAR ON SOLID EARTH BELOW FROST LINE. IF NECESSARY, MODIFY CONSTRUCTION.

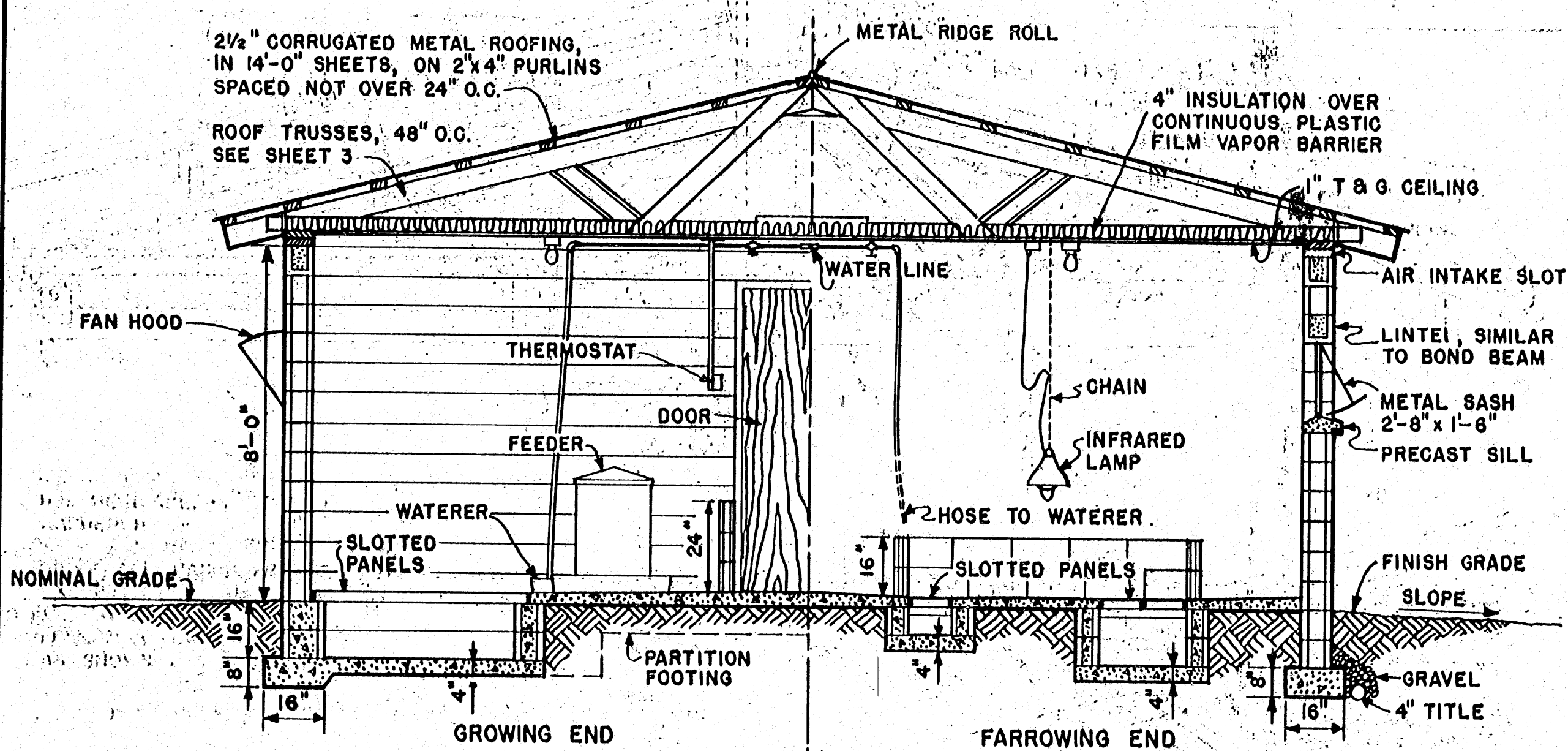
VERIFY ALL DIMENSIONS ON THE JOB.

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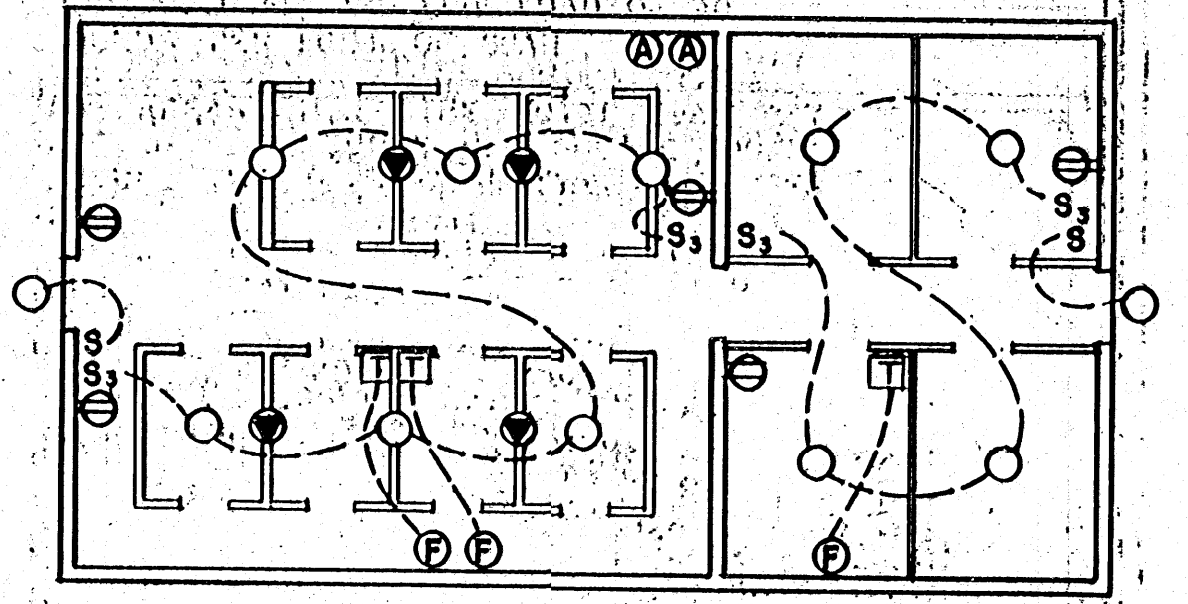
FARROWING & GROWING BLDG.

USDA '66 EX. 5992 SHEET 1 OF 3

BASED ON VIRGINIA PLAN NO. G-117

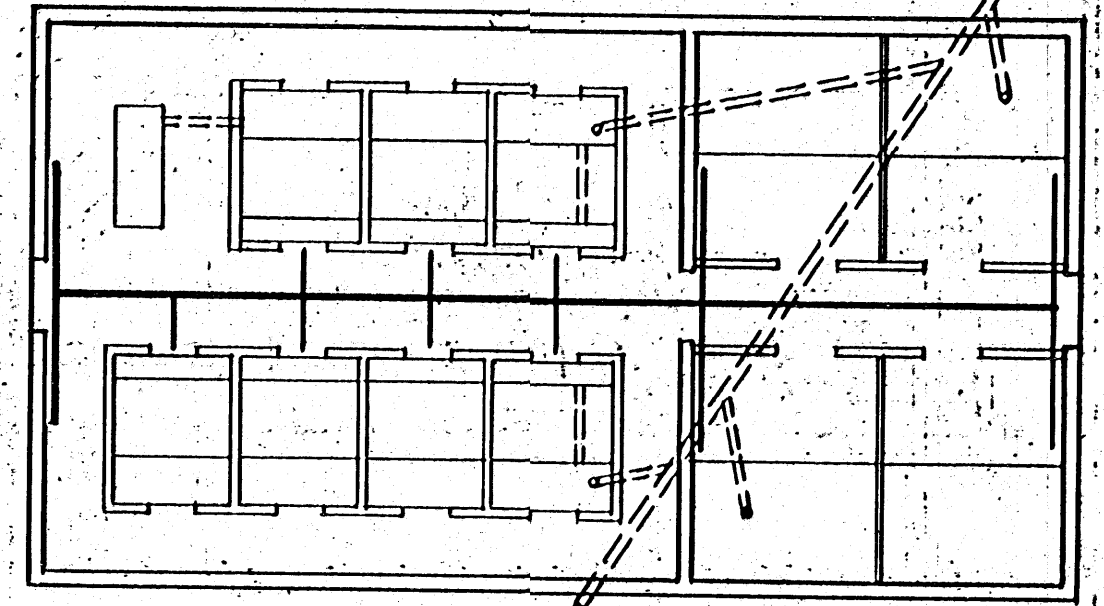


CROSS SECTION E-E
SCALE: 3/8" = 1'-0"



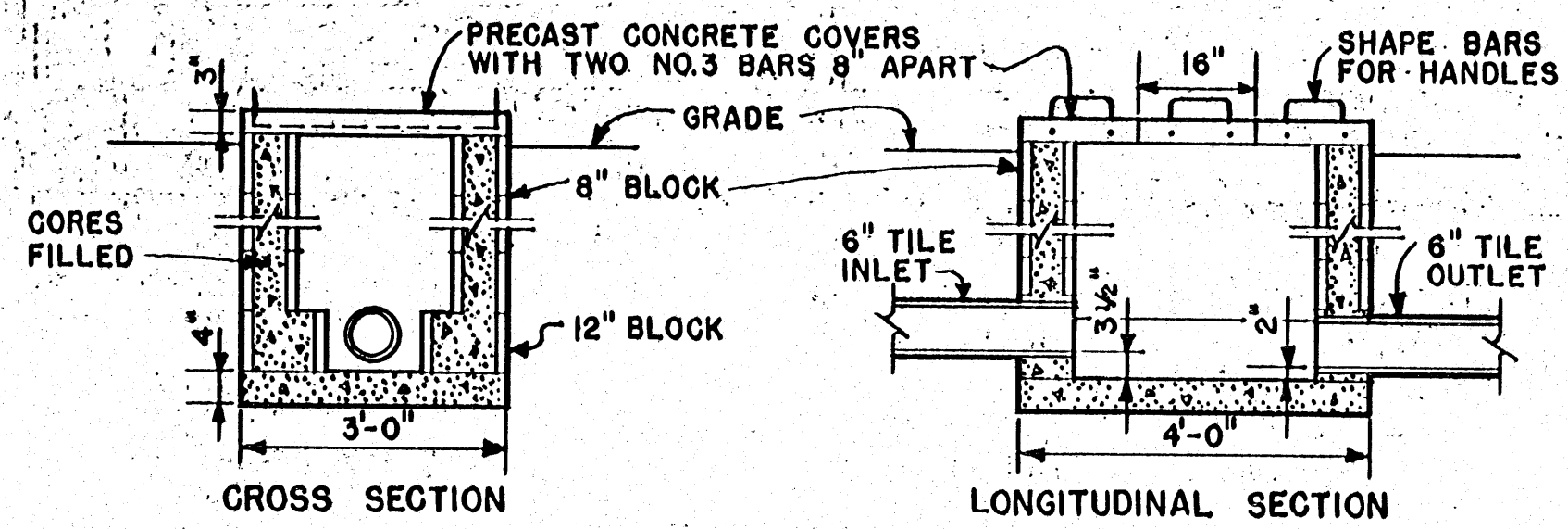
ELECTRICAL LAYOUT

- LIGHTING OUTLET
- ⊖ DUPLEX CONVENIENCE OUTLET, WEATHERPROOF, GROUNDING TYPE
- ⊖△ DUPLEX TWIST LOCK OUTLET FOR INFRARED HEAT LAMPS
- ⊖A AUGER OUTLET
- ⊖F FAN OUTLET
- ⊖T THERMOSTAT



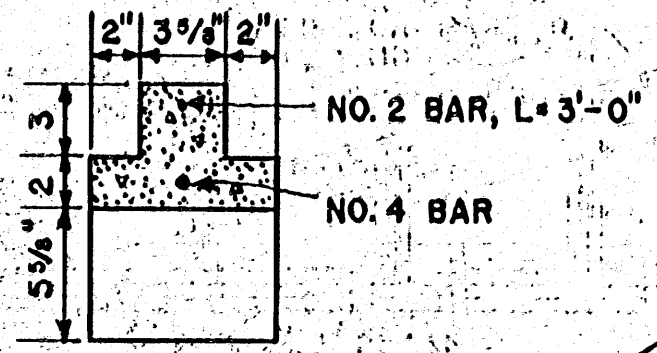
WATER SUPPLY AND DRAINAGE

- 3/4" OVERHEAD MAIN SUPPLY LINE
 - 1/2" OVERHEAD BRANCH SUPPLY LINES, INDIVIDUALLY VALVED AND CONNECTED TO WATERERS WITH FLEXIBLE PLASTIC HOSE
 - 6" MAIN DRAIN. LOCATE TO SUIT SITE
 - 4" PIT DRAINS
- SLOPE ALL DRAIN LINES 1/4" PER FOOT



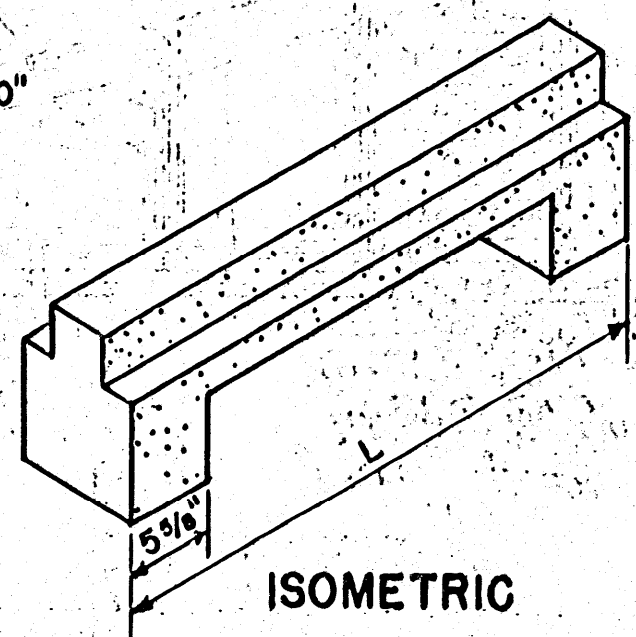
GRIT TRAP
SCALE: 1/2" = 1'-0"

DRAIN PLUG
SCALE: 1" = 1'-0"



SECTION

FIVE PIECES, L=3'-0"
L=2'-0"



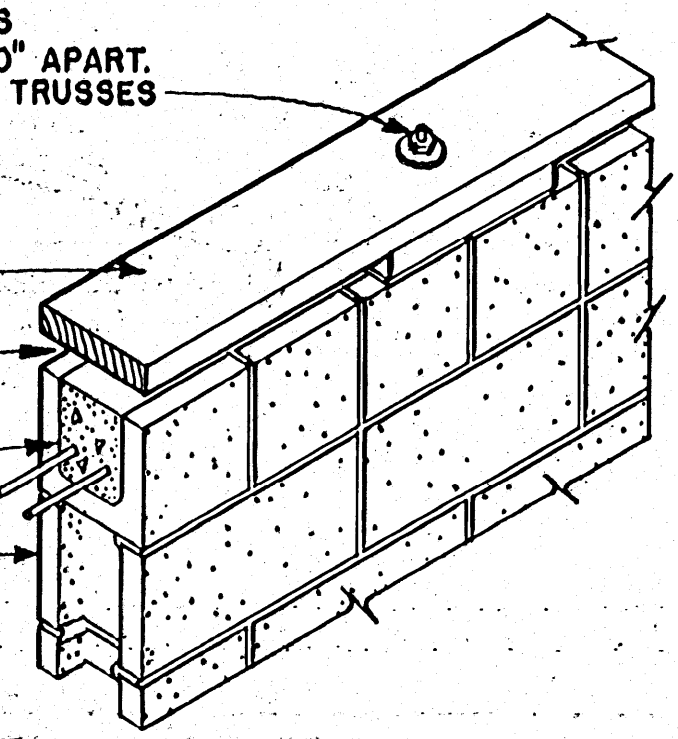
ISOMETRIC

DETAIL D
PRECAST CONCRETE FLOOR PANEL SUPPORT

1/2" x 24" ANCHOR BOLTS
SPACED NOT OVER 4'-0" APART.
LOCATE ADJACENT TO TRUSSES

2"x8" PLATE ON 2"x8"x12"
BLOCKING AT ANCHOR
BOLTS. ONE WALL ONLY,
OTHER WALLS HAVE
DOUBLE PLATES

AIR INTAKE SLOT
CONTINUOUS BOND BEAM
WITH TWO NO. 4 BARS
8" CONCRETE MASONRY
EXTERIOR WALL



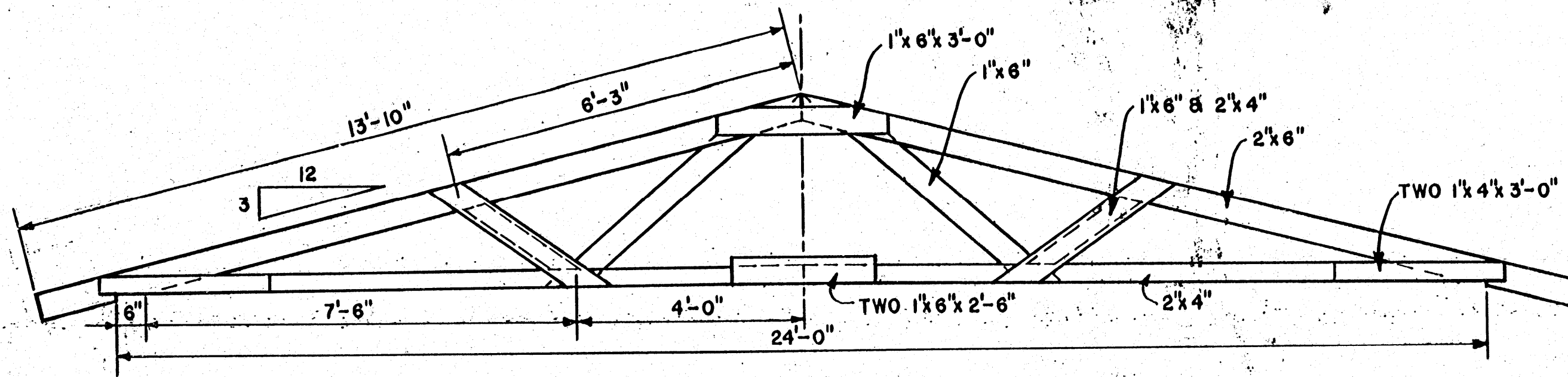
WALL DETAIL

CONSTRUCTION SEQUENCE

- 1 INSTALL DRAINS AND WATER LINE
- 2 CAST FOOTINGS AND PIT FLOORS
- 3 LAY PIT SIDES AND LOWER WALLS
- 4 FILL AND TAMP
- 5 CAST FLOOR
- 6 COMPLETE WALLS
- 7 ROOF AND FINISH

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**TRUSS ASSEMBLY
FROM BACK**
SCALE: 1/2" = 1'-0"

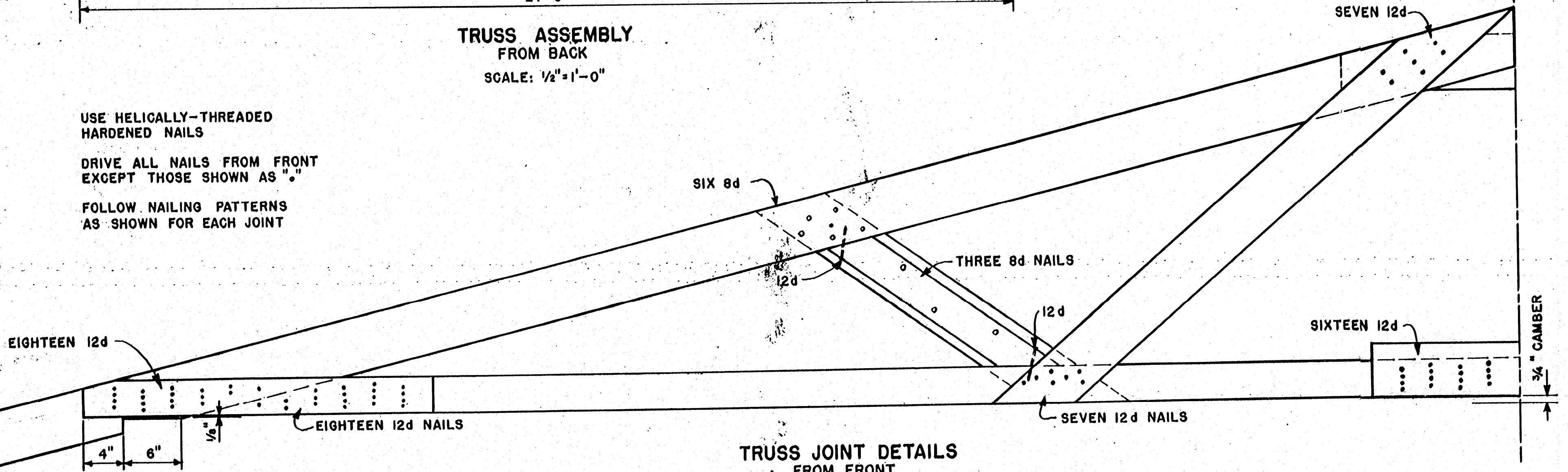
THIS TRUSS IS DESIGNED TO SUPPORT
A TOTAL DEAD AND LIVE LOAD OF 90
POUNDS PER FOOT OF SPAN

FOR AREAS WHERE THE TOTAL LOAD MAY
EXCEED 22 1/2 POUNDS PER SQUARE FOOT,
REDUCE THE DISTANCE BETWEEN TRUSSES

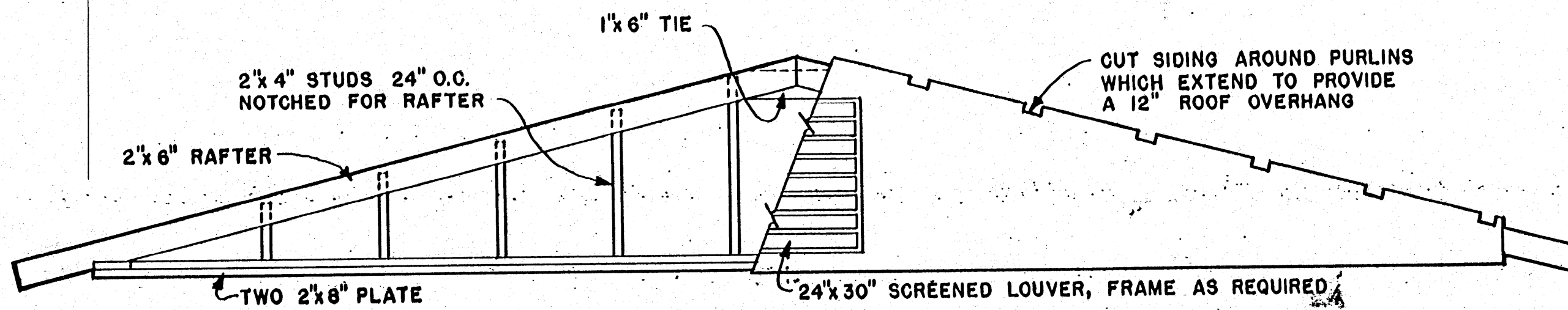
SUITABLE COMMERCIALY FABRICATED
TRUSSES MAY BE SUBSTITUTED

FIBER STRESS ALLOWED:
COMPRESSION ----- 1400 PSI
BENDING ----- 1600 PSI

USE HELICALLY-THREADED
HARDENED NAILS
DRIVE ALL NAILS FROM FRONT
EXCEPT THOSE SHOWN AS "•"
FOLLOW NAILING PATTERNS
AS SHOWN FOR EACH JOINT



**TRUSS JOINT DETAILS
FROM FRONT**
SCALE: 1/2" = 1'-0"



GABLE END
SCALE: 1/2" = 1'-0"

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