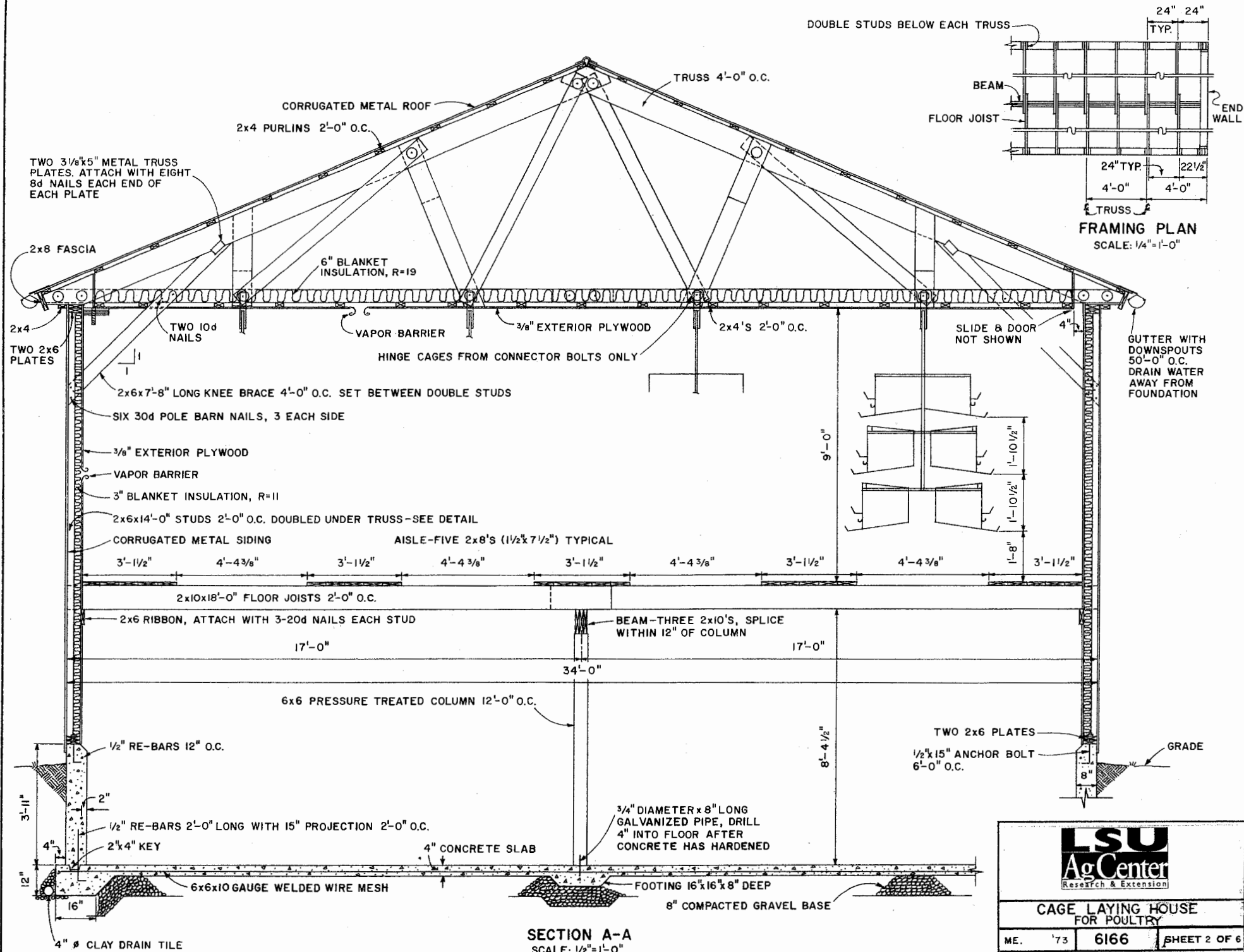
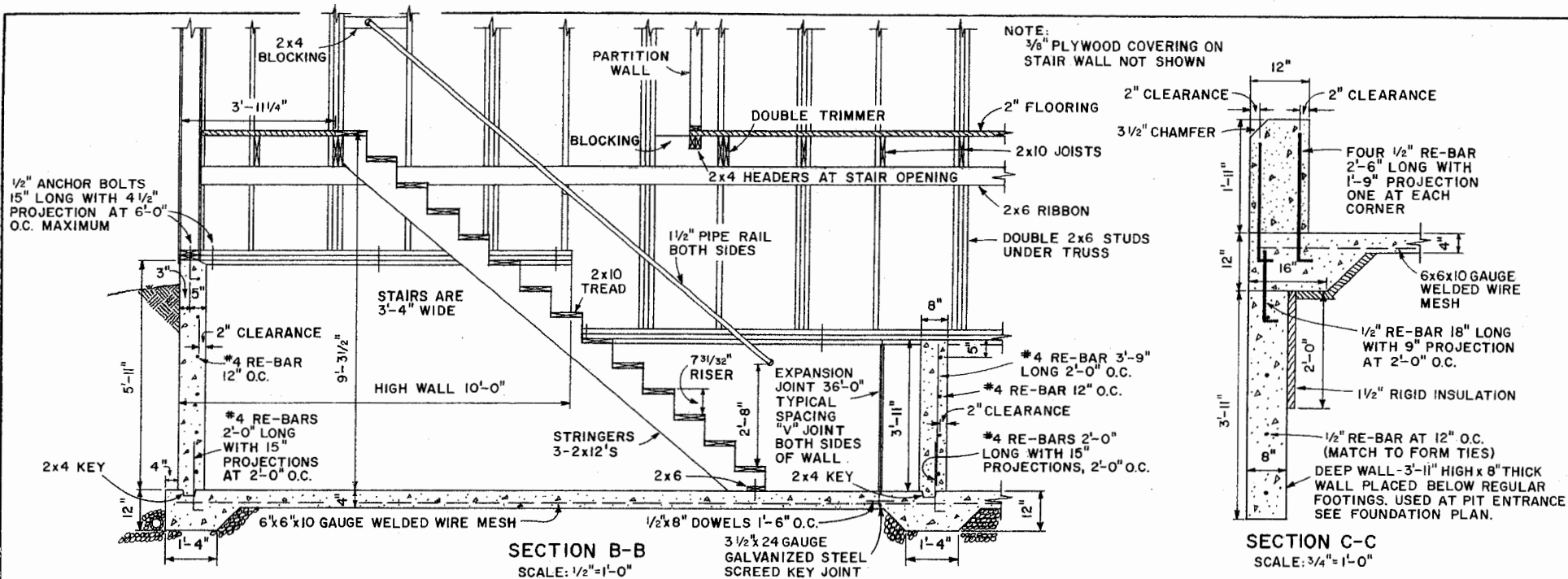


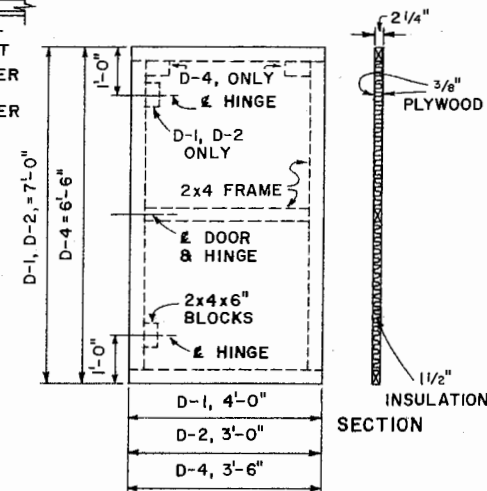
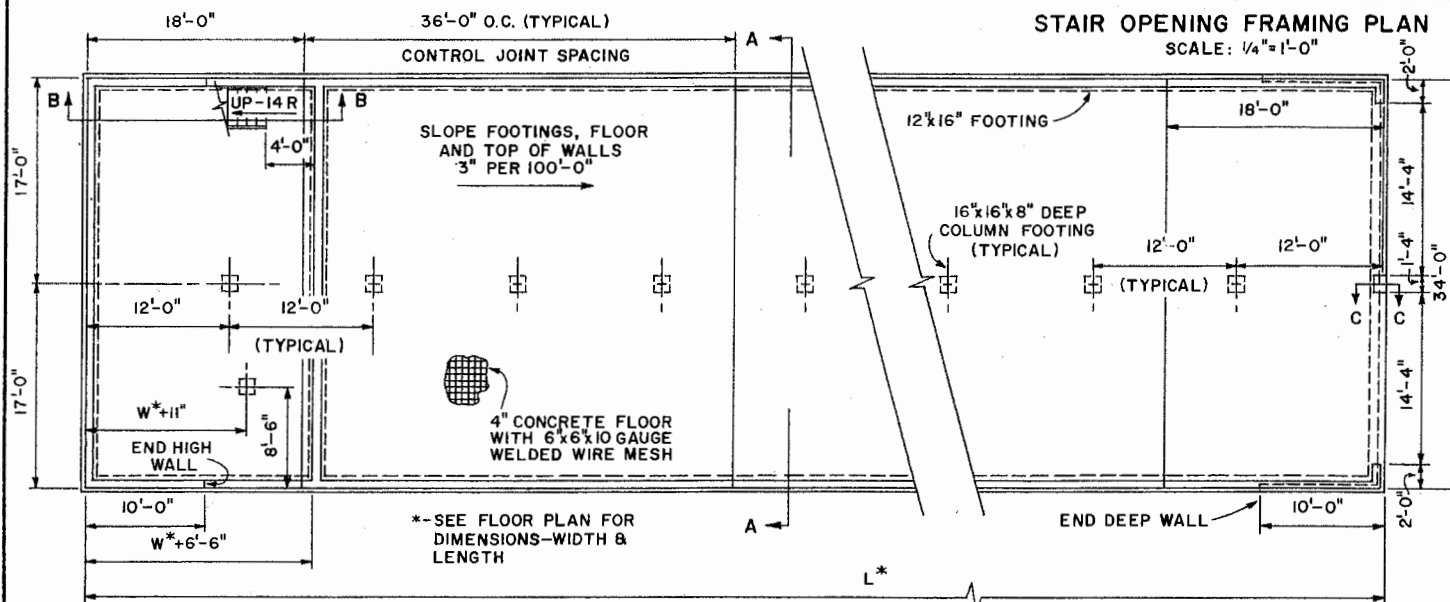
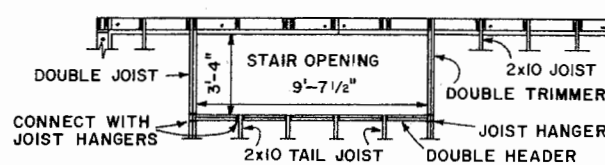




DOOR SCHEDULE

DOOR	SIZE	FRAME
D-1	4'-0" x 7'-0"	2x8
D-2	3'-0" x 7'-0"	2x8
D-4	3'-6" x 6'-6"	TRACK

NOTE: D-3, DOORS
EGG COOLER DOORS 3'-0" x 6'-2 1/2" APPROXIMATELY. USE A COMMERCIAL TYPE DOOR WITH GASKETS ON ALL EDGES AND USING NO BOTTOM PLATE THAT WOULD HAMPER EGG CART MOVEMENT.

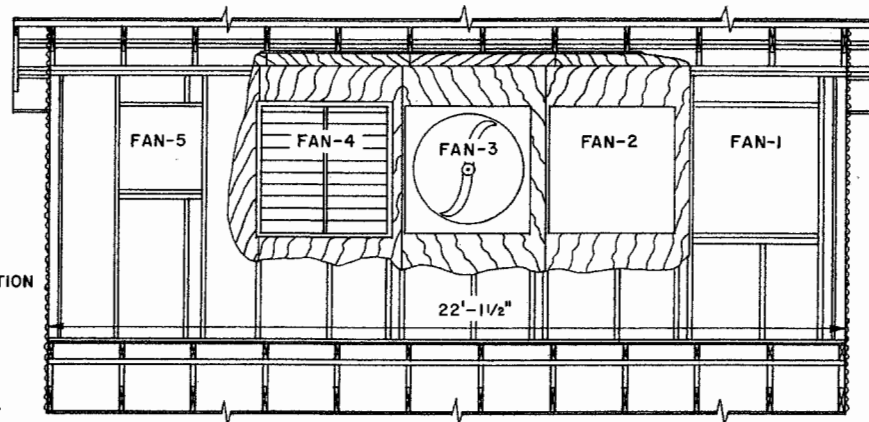
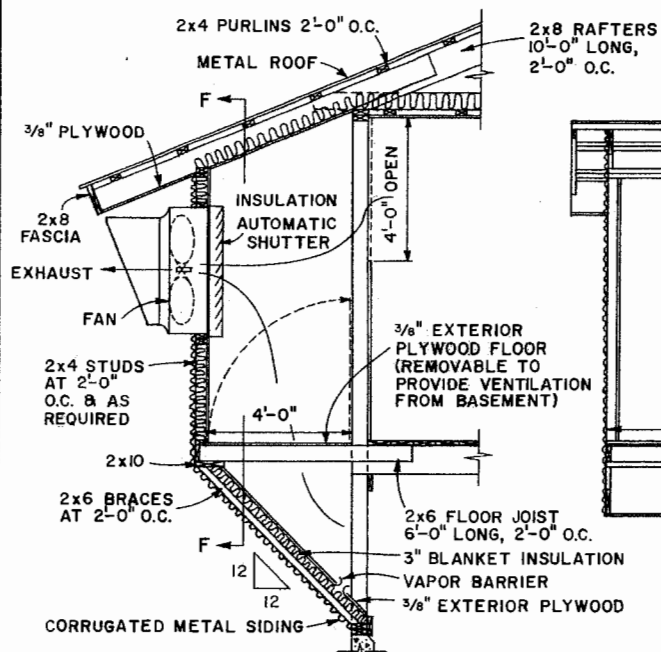
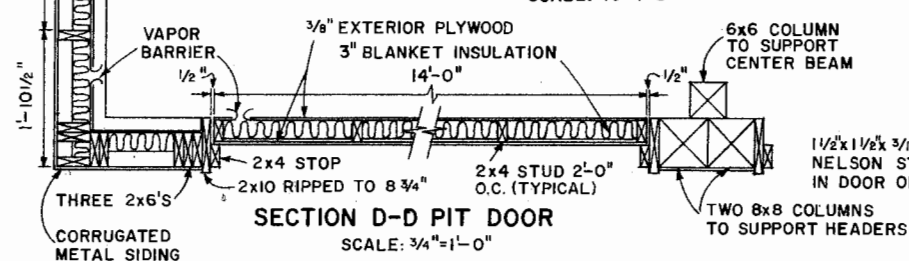
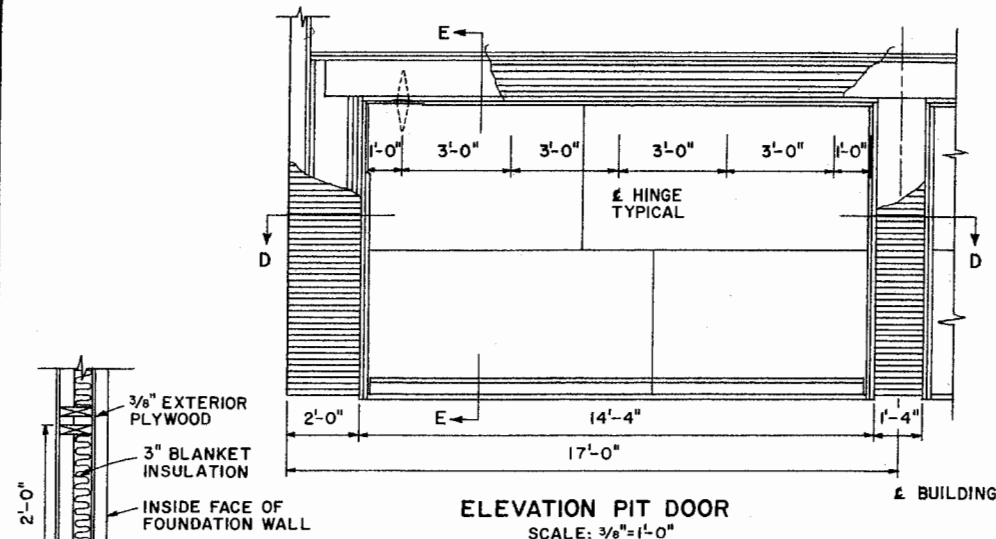


DOOR DETAILS NO SCALE

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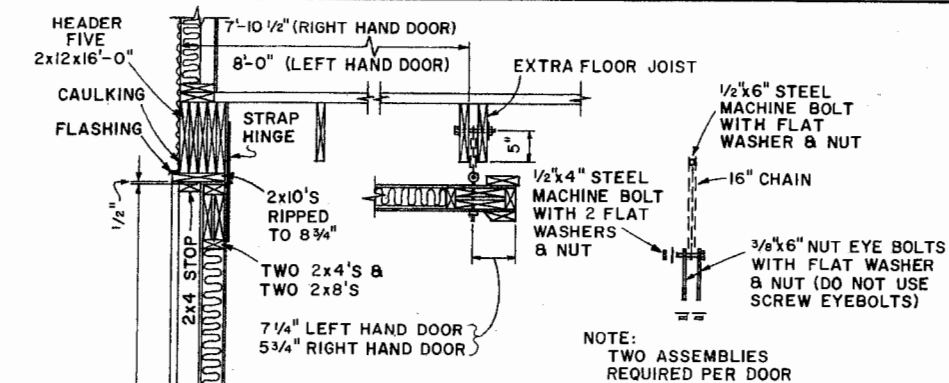
CAGE LAYING HOUSE
FOR POULTRY

ME. '73 6166 SHEET 3 OF 6

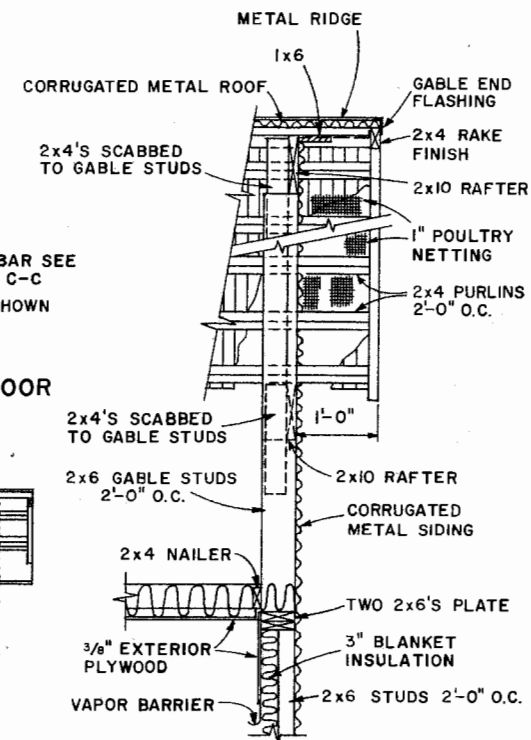


NOTES:

1. FAN OPENING DIMENSIONS AS REQUIRED BY MANUFACTURER.
2. FANS 1, 2, 3 & 4 RATED FOR 10,000 CFM AT 1/8" STATIC PRESSURE WITHOUT SHUTTERS AND HOODS, OR AT 0.05" STATIC PRESSURE WITH ALL ACCESSORIES IN PLACE.
3. FAN 5 MAY BE VARIABLE OR TWO SPEED RATED FOR 2,500 CFM MINIMUM TO 5,000 CFM MAXIMUM CFM RATED AS FOR OTHER FANS.



HARDWARE



CAGE LAYING HOUSE FOR POULTRY

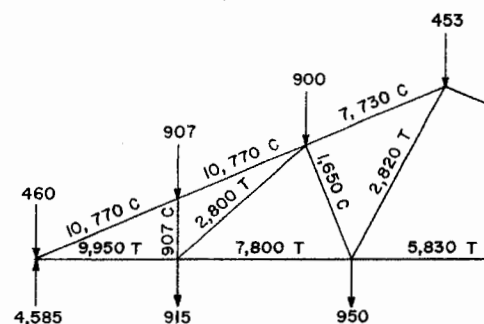
ME. '73 6166 SHEET 4 OF 6

3/8" PLYWOOD, 15" WIDE
BETWEEN TRUSSES

TRUSS TIE-DOWN STRAP
1 1/4" x 20 GAUGE STRAP,
30" LONG. NAIL WITH
3-8d NAILS INTO TOP
PLATES AT EACH
END OF STRAP

2x4
2x8 FASCIA
1" POULTRY
NETTING

OVERHANG AND
SLOT DETAIL
PERSPECTIVE



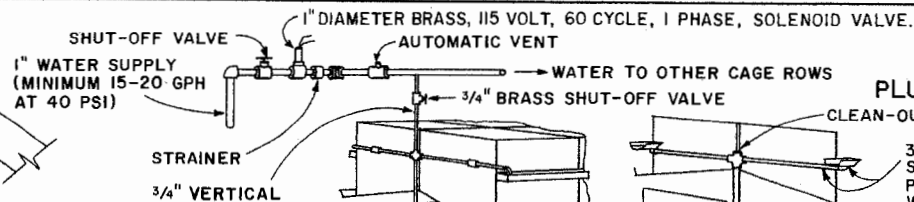
LOAD
DIAGRAM

NOTES:

1. SPACE TRUSSES 4'-0" O.C.
2. DIMENSIONS SHOWN WILL PRODUCE
3/4" CAMBER IN LOWER CHORD.
3. CONNECTIONS:
-USE 4" DIAMETER SPLIT RINGS
-3/4" MACHINE BOLTS AND WASHERS
4. HANG CAGES AT PANEL POINTS ONLY

SPECIFICATIONS:

1. LOADS:
-LIVE, 35 POUNDS PER SQUARE FOOT
-DEAD, 5 POUNDS PER SQUARE FOOT
-CEILING, 10 POUNDS PER SQUARE FOOT
-WIND, 25 POUNDS PER SQUARE FOOT VERTICAL PROJECTION
-CAGES, 650 POUNDS AT LOWER CHORD PANEL POINTS
2. LUMBER
-NUMBER 1 EASTERN SPRUCE OR EASTERN HEMLOCK



PLUMBING SCHEMATIC

CLEAN-OUT PERSPECTIVE

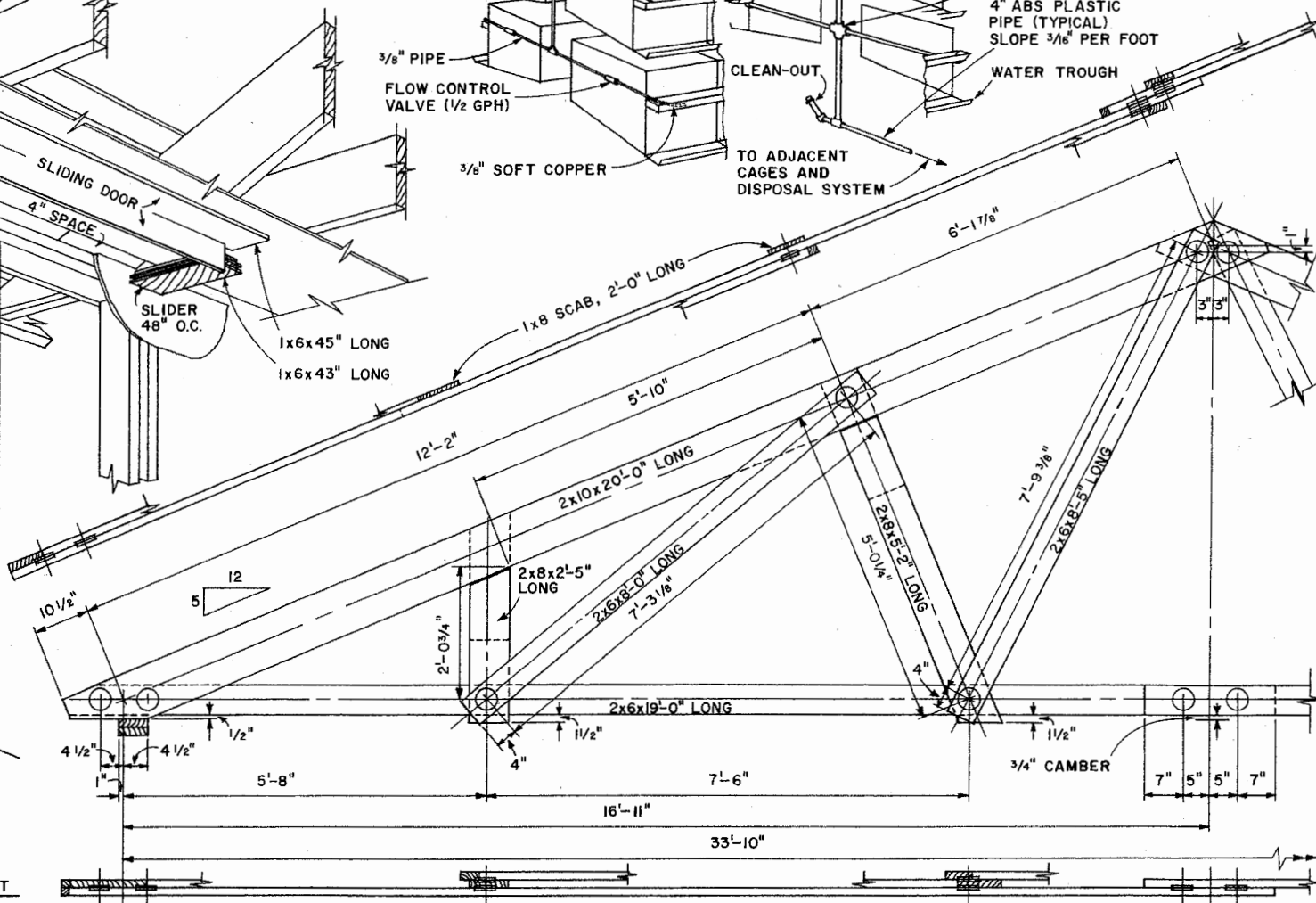
3" ABS PLASTIC PIPE & 45° LONG
SWEEP ELBOW TURNED AT 45° TO
PLANE OF PIPE & INSERTED INTO
WATER TROUGH (TYPICAL).

4"x4"x3"x3" DOUBLE
REDUCING TEE (TYPICAL)

4" ABS PLASTIC
PIPE (TYPICAL)
SLOPE 1/8" PER FOOT

WATER TROUGH

CLEAN-OUT
TO ADJACENT
CAGES AND
DISPOSAL SYSTEM



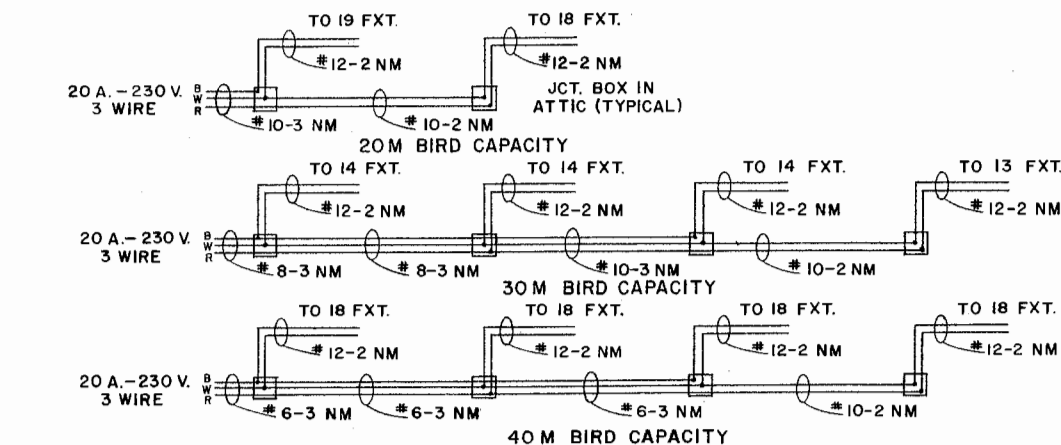
TRUSS

SCALE: 3/4" = 1'-0"



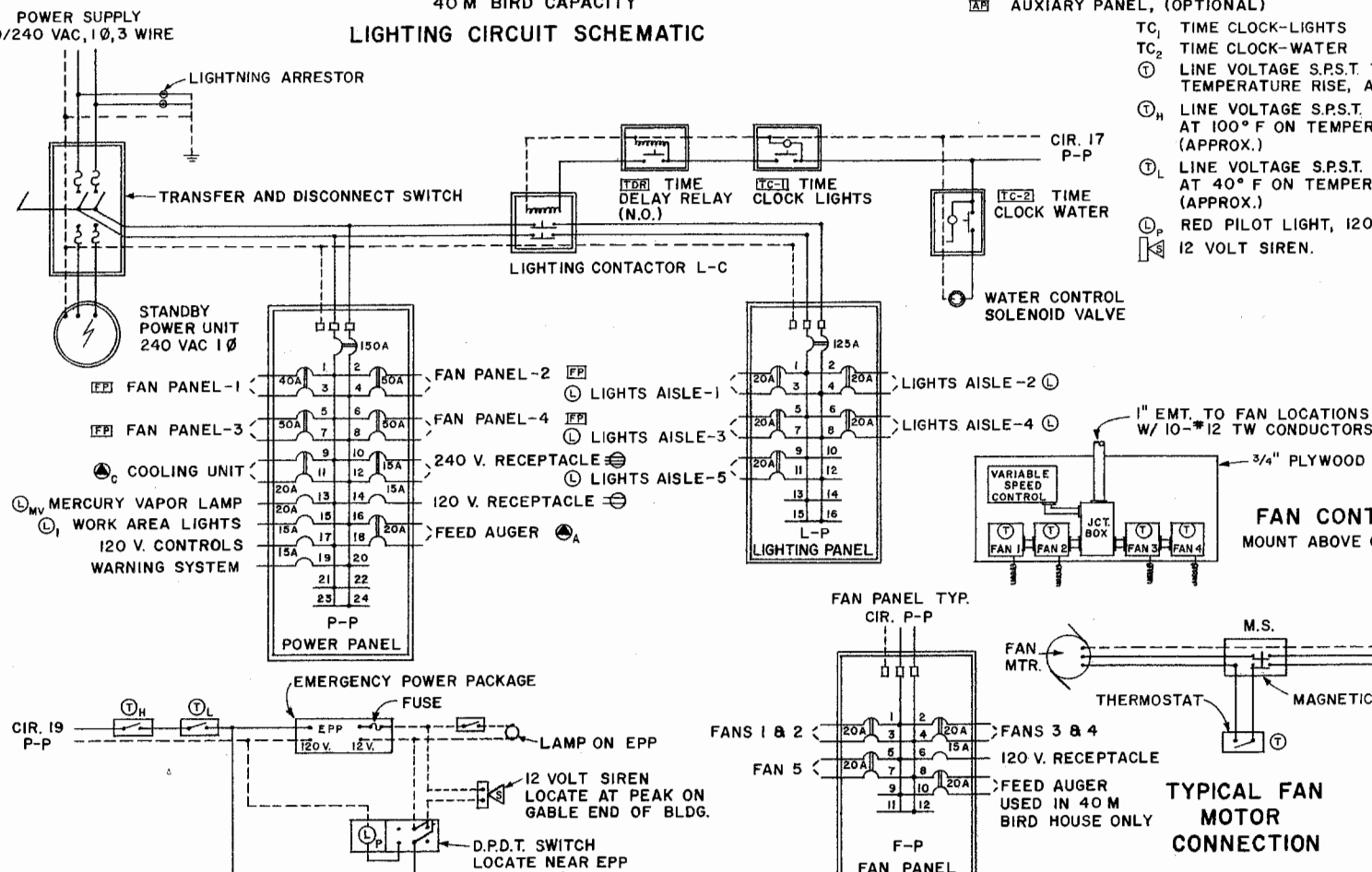
CAGE LAYING HOUSE
FOR POULTRY

ME. '73 6166 SHEET 5 OF 6



LIGHTING CIRCUIT SCHEMATIC

- LEGEND**
- Ⓛ PORCELAIN LAMPHOLDER, KEYLESS, 1 PIECE, 660 W, 250 V, 40 W, 125 V, BULB.
 - Ⓛ₁ PORCELAIN LAMPHOLDER, KEYLESS, 1 PIECE, 660 W, 250 V, 100 W, 125 V, BULB.
 - Ⓛ_{MV} 175 W MERCURY VAPOR LAMP WITH PHOTO CELL.
 - Ⓢ DUPLEX RECEPTACLE 15 AMP, 125 V.
 - Ⓢ DUPLEX RECEPTACLE 15 AMP, 250 V.
 - Ⓢ_{WP} DUPLEX WEATHERPROOF RECEPTACLE. 15 AMP. 125 V., RECEPTACLE AS ABOVE, WITH SPRING LOADED LIFT COVER PLATE.
 - Ⓢ_F VENTILATING FAN CONNECTIONS (5 EACH FAN BANK).
 - Ⓢ_C COOLING UNIT CONNECTION, 230 V., 1 Ø, FUSED SAFETY SWITCH TIME DELAY CARTRIDGE FUSES, CHECK CURRENT RATING OF COOLING UNIT.
 - Ⓢ_A CONNECTION TO FEED AUGER MOTOR, TOGGLE OPERATED, 2 POLE, 1 H.P. MANUAL MOTOR STARTING SWITCH WITH OVERLOAD PROTECTION.
 - S 15 A., 120 V. TOGGLE TYPE SWITCH.
 - S₃ 15 A., 120 V. 3-WAY TOGGLE TYPE SWITCH.
 - FP FAN PANEL, 1 Ø, 3 WIRE, 120/240 VOLT A.C., 125 A. MAIN LUGS ONLY, 12-1" SPACES.
 - FCP FAN CONTROL PANEL, SEE DETAIL.
 - LP LIGHTING PANEL, 1 Ø, 3 WIRE, 120/240 VOLT A.C., 125 A. MAIN BREAKER, 16-1" SPACES.
 - PP POWER PANEL, 1 Ø, 3 WIRE, 120/240 VOLT A.C., 150 A. MAIN BREAKER, 24-1" SPACES.
 - AP AUXILIARY PANEL, (OPTIONAL)
 - TC₁ TIME CLOCK-LIGHTS
 - TC₂ TIME CLOCK-WATER
 - Ⓢ₁ LINE VOLTAGE S.P.S.T. THERMOSTAT SET TO MAKE CONTACT ON TEMPERATURE RISE, ADJUSTABLE RANGE 45 TO 85° F. MIN.
 - Ⓢ_H LINE VOLTAGE S.P.S.T. THERMOSTAT SET TO BREAK CONTACT AT 100° F ON TEMPERATURE RISE. RANGE 50 TO 150° F (APPROX.)
 - Ⓢ_L LINE VOLTAGE S.P.S.T. THERMOSTAT SET TO BREAK CONTACT AT 40° F ON TEMPERATURE FALL. RANGE 0 TO 100° F (APPROX.)
 - Ⓢ_P RED PILOT LIGHT, 120 V., 6 WATTS.
 - Ⓢ_S 12 VOLT SIREN.



WARNING SYSTEM SCHEMATIC

TYPICAL FAN MOTOR CONNECTION

Disclaimer

This site makes available conceptual plans that can be helpful in developing building layouts and selecting equipment for various agricultural applications. These plans do not necessarily represent the most current technology or construction codes. They are not construction plans and do not replace the need for competent design assistance in developing safe, legal and well-functioning agricultural building system. The LSU Agriculture Center, the Mid-West Plan Service, the United States Department of Agriculture and none of the cooperating land-grant universities warranty these plans.