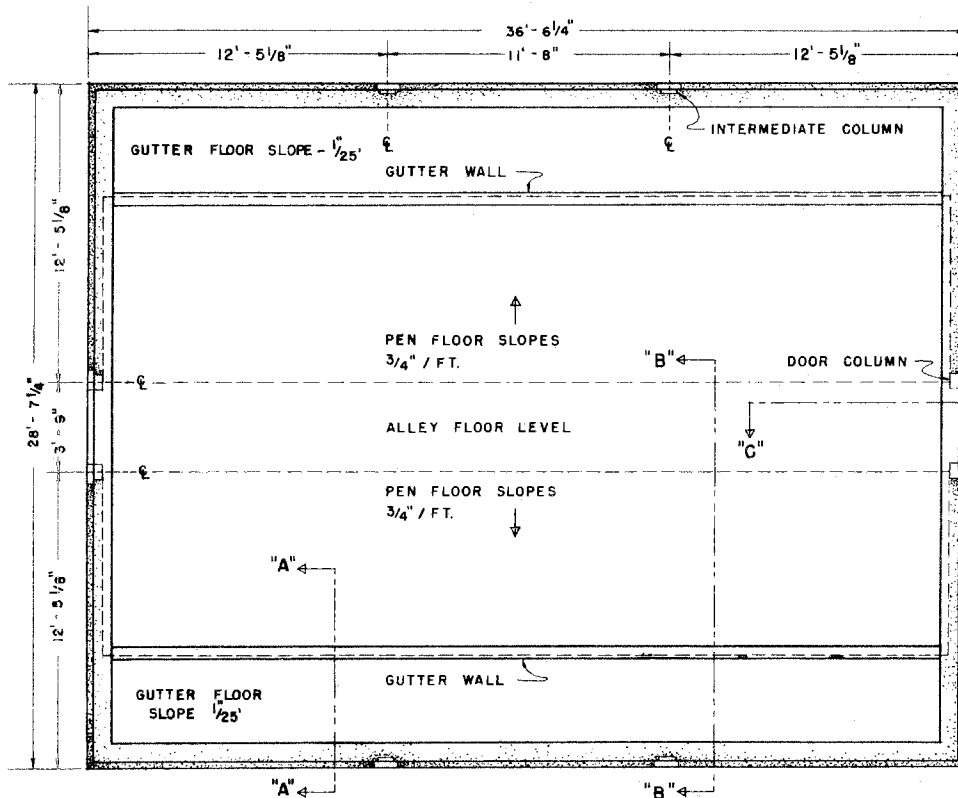
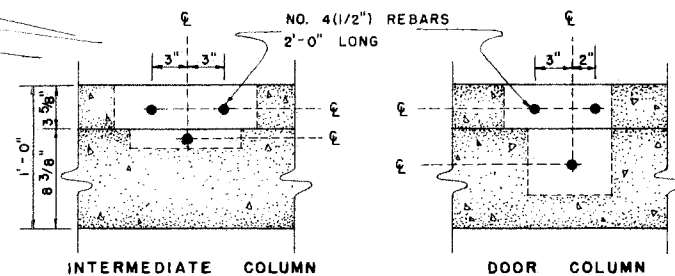


PERSPECTIVE



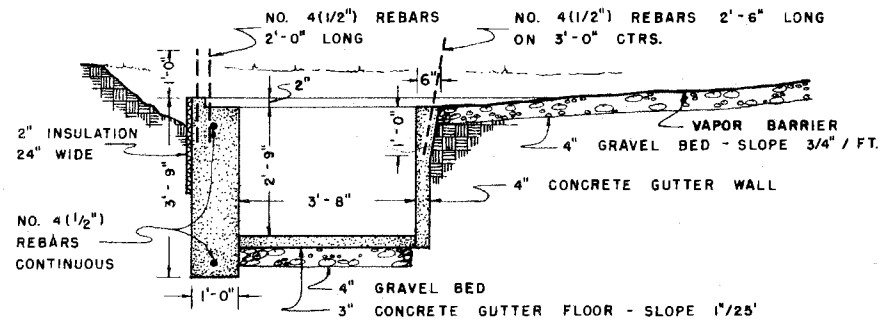
FOUNDATION PLAN

SCALE 1/4" = 1'-0"



COLUMN REINFORCING

SCALE 1/2" = 1'-0"



SECTION "A-A"

SCALE 1/2" = 1'-0"

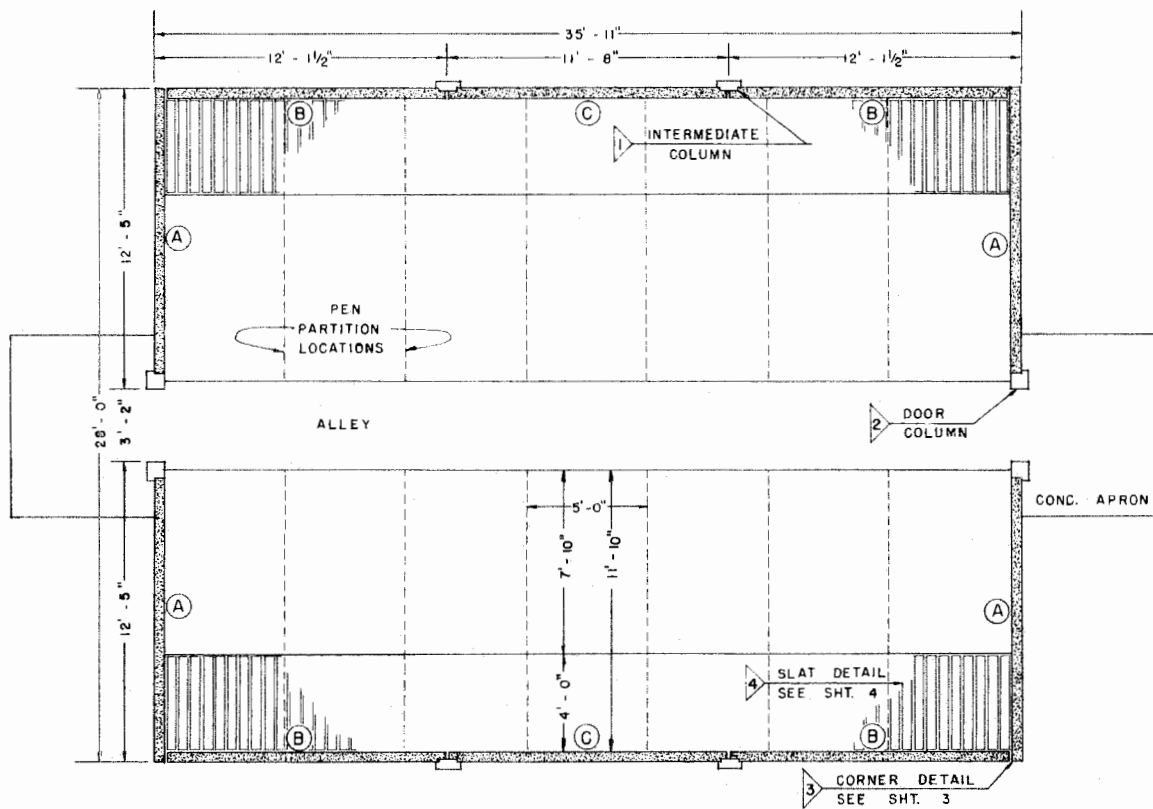


FARROWING HOUSE
TILT-UP CONCRETE CONSTRUCTION

NEBR. 68 EX. 6061 SHEET 1 OF 7

IN COOPERATION WITH
PORTLAND CEMENT ASSOCIATION

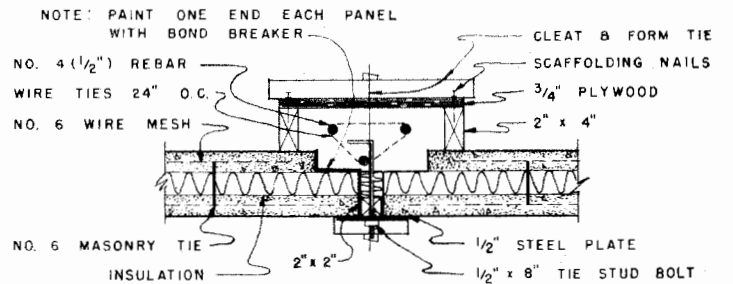
DESIGNED BY: E. A. OLSON
GAYLE H. LEWIS
NEBR. PLAN NO. 10.726-33



PLAN

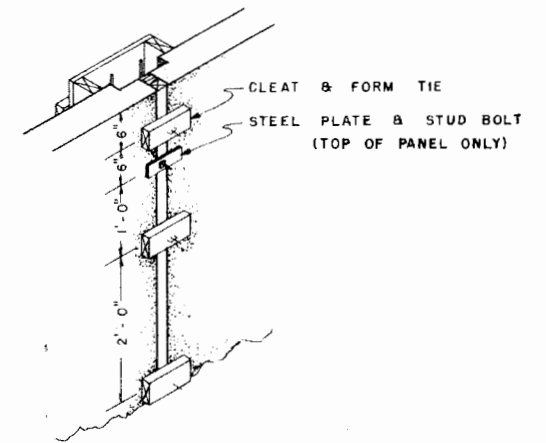
SCALE 1/4" = 1' - 0"

NOTE: SEE SHT. 6 FOR ALTERNATE CORNER DETAIL

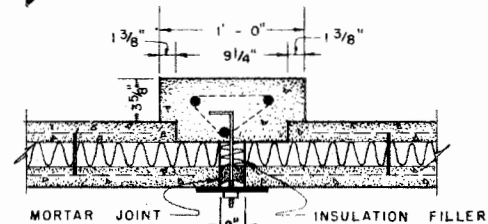


FORMING DETAIL

SCALE 1 1/2" = 1' - 0"

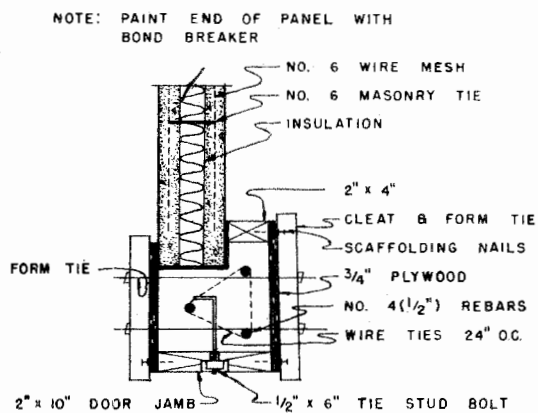


FORMING DETAIL



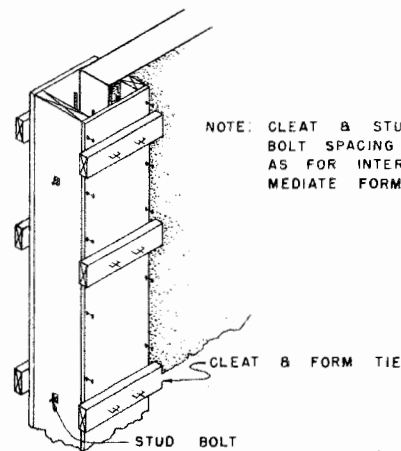
DETAIL

SCALE 1 1/2" = 1' - 0"



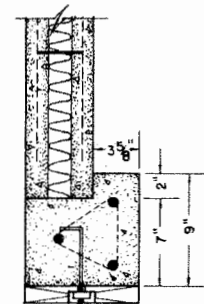
FORMING DETAIL

SCALE 1 1/2" = 1' - 0"



FORMING DETAIL

NOTE: CLEAT & STUD BOLT SPACING SAME AS FOR INTER-MEDIATE FORMING



DETAIL

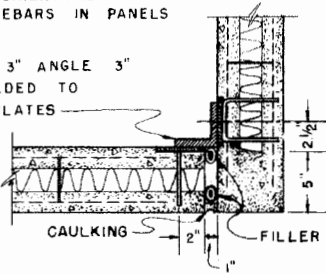
SCALE 1 1/2" = 1' - 0"

LSU
AgCenter
Research & Extension

FARROWING HOUSE
TILT-UP CONCRETE CONSTRUCTION
NEBR. '68 EX. 6061 SHEET 2 OF 7

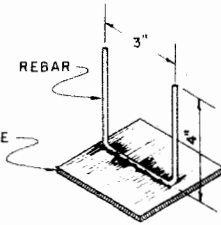
NOTE: OBSERVE ORIENTATION OF CORNER PLATE REBARS IN PANELS

3/8" x 3" x 3" ANGLE 3" LONG WELDED TO CORNER PLATES

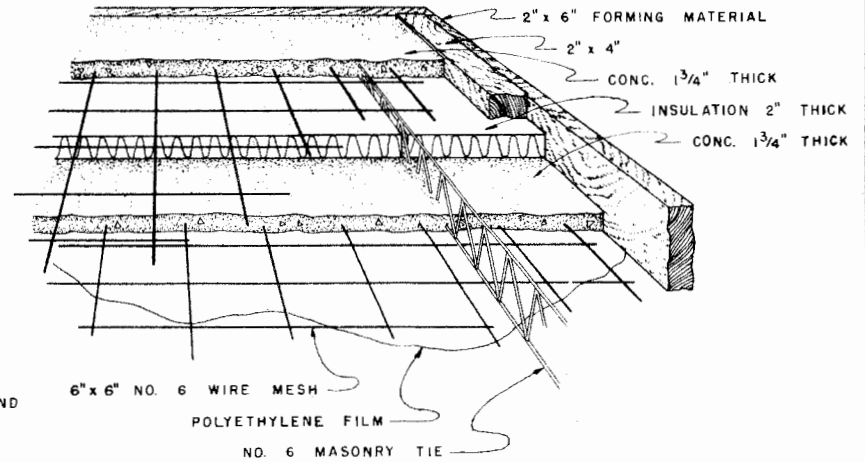


DETAIL
SEE SHT. 2

NO. 3 REBAR
3/8" x 4" x 4" STEEL PLATE

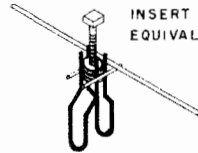


CORNER PLATE

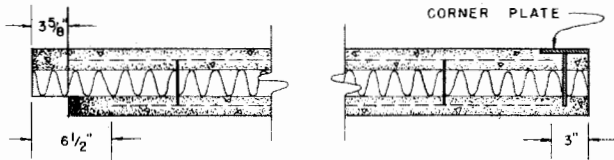


PANEL CONSTRUCTION DETAILS

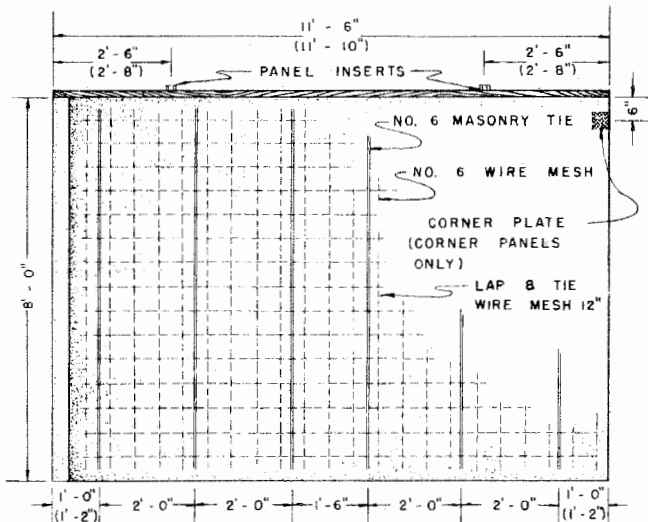
NOTE: RICHMOND INSERT OR EQUIVALENT



PANEL INSERT

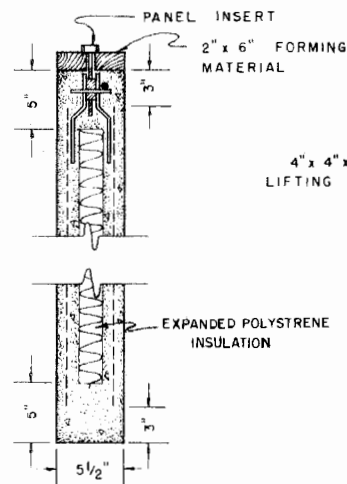


HORIZONTAL SECTION
SCALE 1 1/2" = 1' - 0"



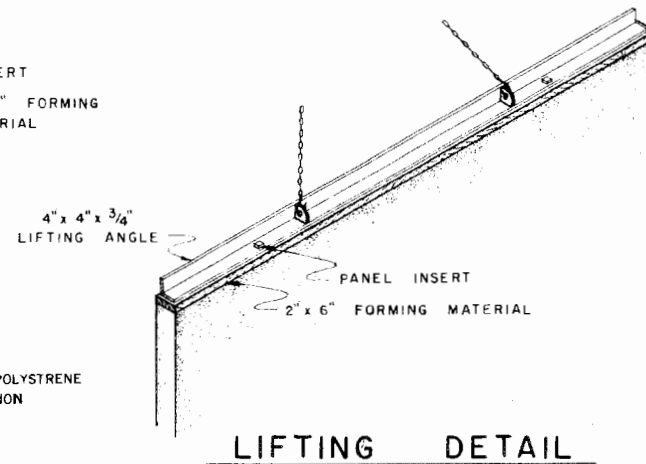
PANEL REINFORCING
SCALE 1/2" = 1' - 0"

(NOTE CHANGES IN DIMENSIONS FOR "A" PANELS IN PARENTHESIS)
SEE SHT. 7 FOR LOCATION OF PLATES FOR PEN PARTITIONS



VERTICAL SECTION
SCALE 1/2" = 1' - 0"

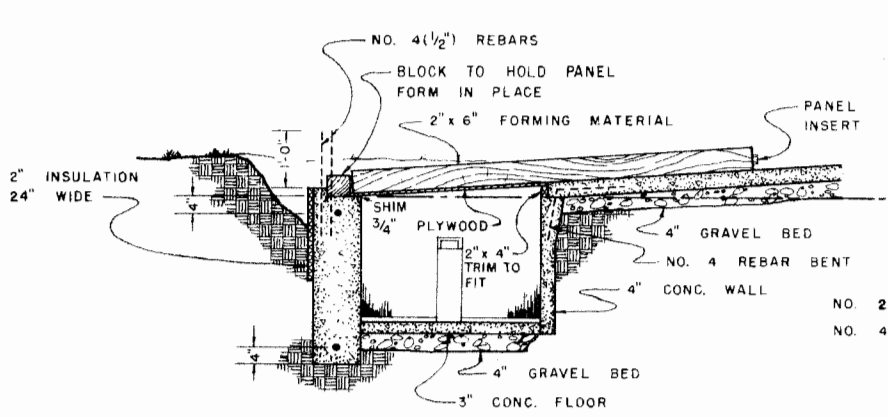
SCALE 1/2" = 1' - 0"



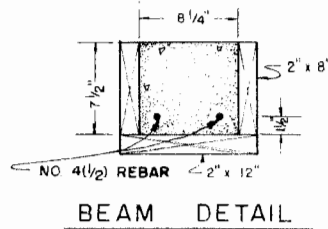
LIFTING DETAIL



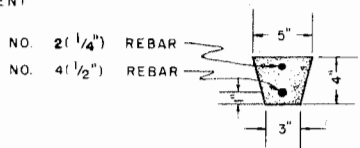
FARROWING HOUSE
TILT-UP CONCRETE CONSTRUCTION
NEBR. '68 EX. 6061 SHEET 3 OF 7



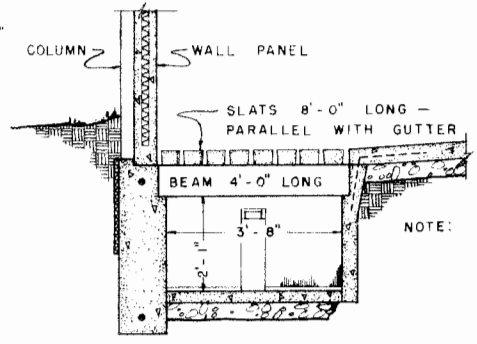
CASTING OVER GUTTER - DETAIL
 SCALE 1/2" = 1' - 0"



BEAM DETAIL

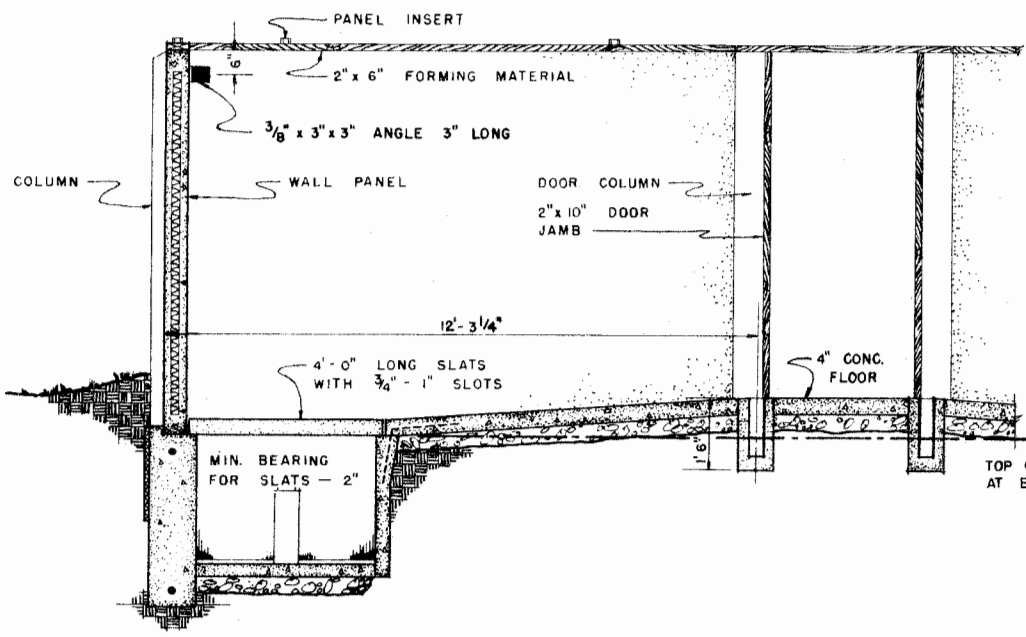


SLAT DETAIL
 (8' SPAN)

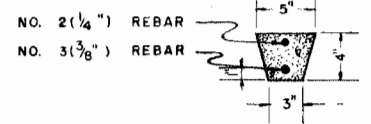


NOTE: SLATS WITH 3/4" - 1" SLOTS
 MIN. BEARING FOR BEAM - 2" - SPACING 8' o.c.
 MIN. BEARING FOR SLATS 4"

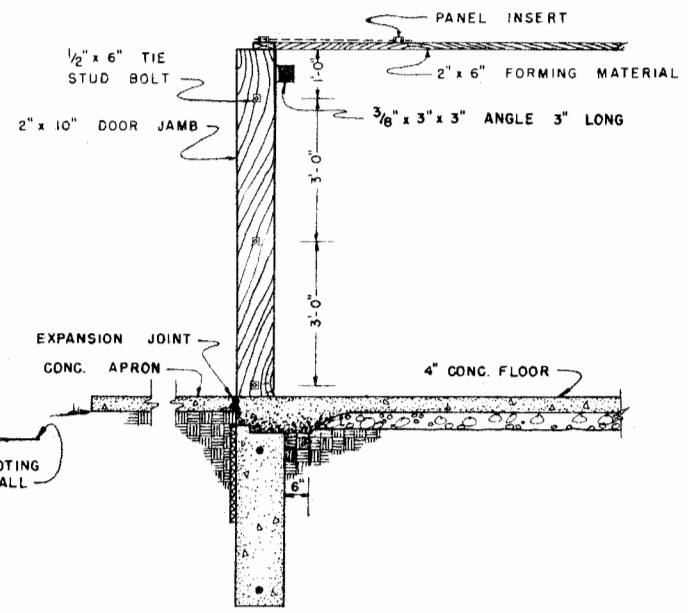
ALTERNATE (PARALLEL SLATS)
 SCALE 1/2" = 1' - 0"



SECTION "B-B"
 SCALE 1/2" = 1' - 0"



SLAT DETAIL
 (4' SPAN)

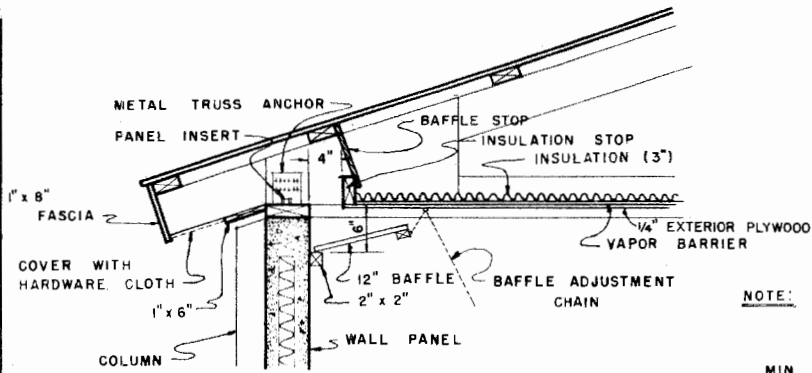


SECTION "C-C"
 SCALE 1/2" = 1' - 0"



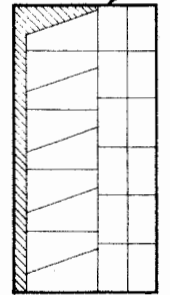
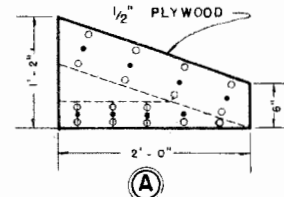
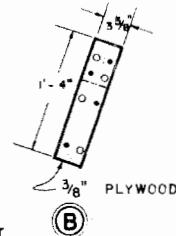
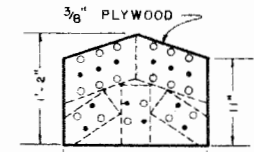
NOTE: USE 10d DEFORMED STEEL NAILS WITH 3/8" & 1/2" PLYWOOD

1/2" x 4'-0" x 8'-0" PLYWOOD



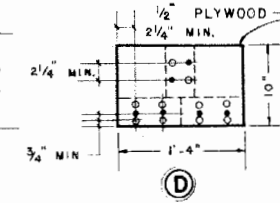
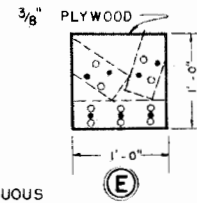
EAVE AIR INLET DETAIL

SCALE 1" = 1'-0"



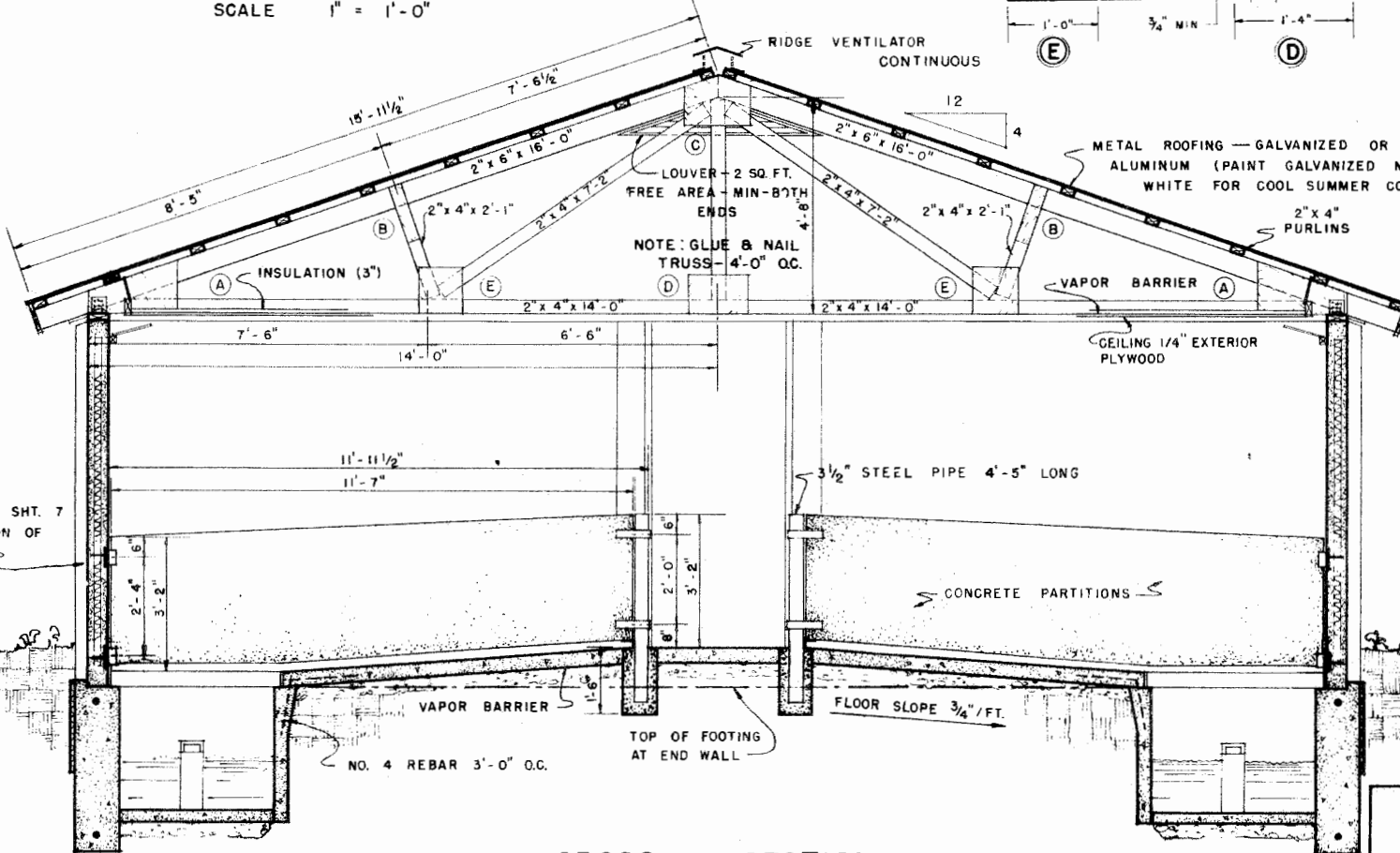
NOTE: ○ NAILS DRIVEN FROM FRONT
● NAILS DRIVEN FROM BACK

MIN. NAIL SPACING
- 2 1/4" PARALLEL TO GRAIN
- 3/4" ACROSS GRAIN



GUSSETS	A	D
NO.	9	12

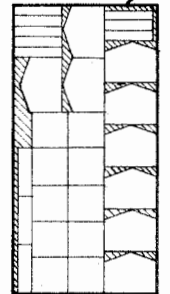
CUTTING PATTERN



CROSS SECTION

SCALE 1/2" = 1'-0"

3/8" x 4'-0" x 8'-0" PLYWOOD



GUSSETS	B	C	E
NO.	11	9	10

CUTTING PATTERN

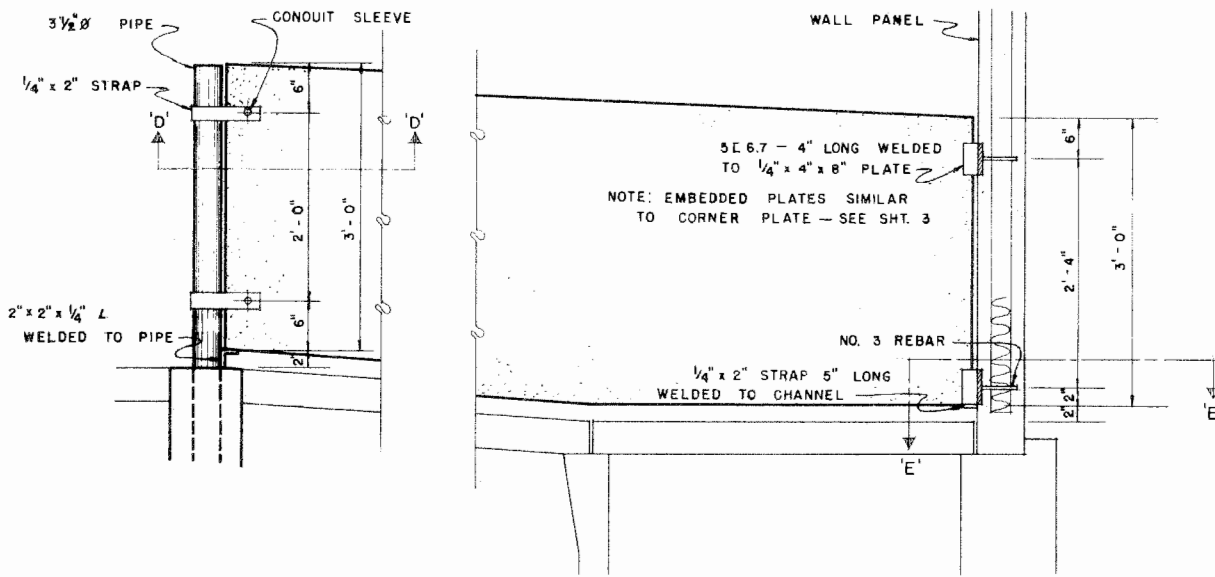
NOTE: SEE SHT. 7 FOR LOCATION OF PLATES

NOTE: FOR TRUSS GUSSETS USE RESORGINAL RESIN GLUE.



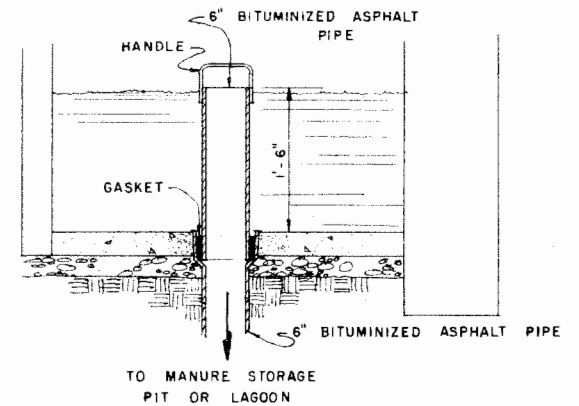
**FARROWING HOUSE
TILT-UP CONCRETE CONSTRUCTION**

NEBR. '68 EX. 6061 SHEET 5 OF 7



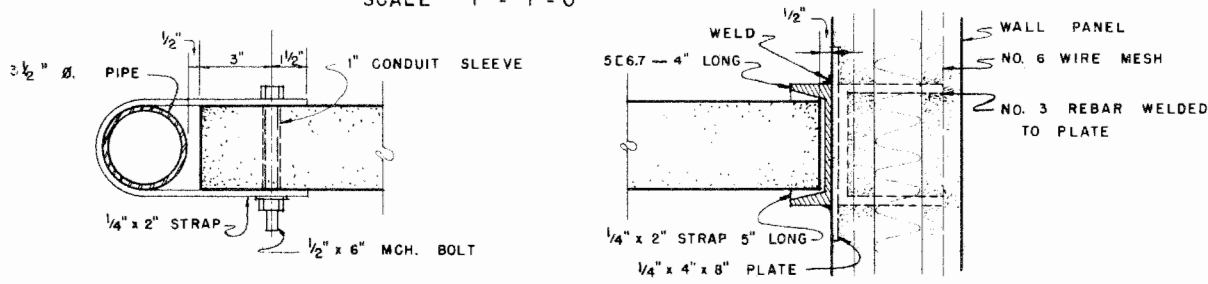
PARTITION DETAILS

SCALE 1" = 1'-0"



GUTTER DETAIL

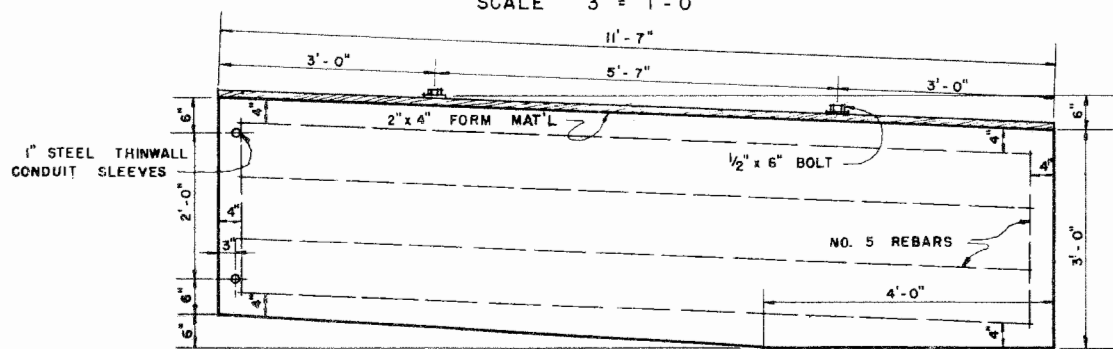
SCALE 1" = 1'-0"



SECTION 'D'

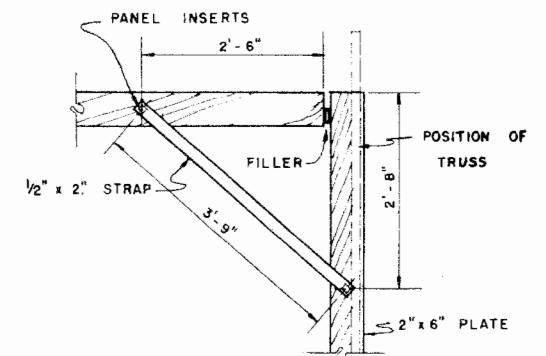
SECTION 'E'

SCALE 3" = 1'-0"



PARTITION REINFORCING

SCALE 3/4" = 1'-0"



ALTERNATE CORNER TIE

(TOP VIEW)

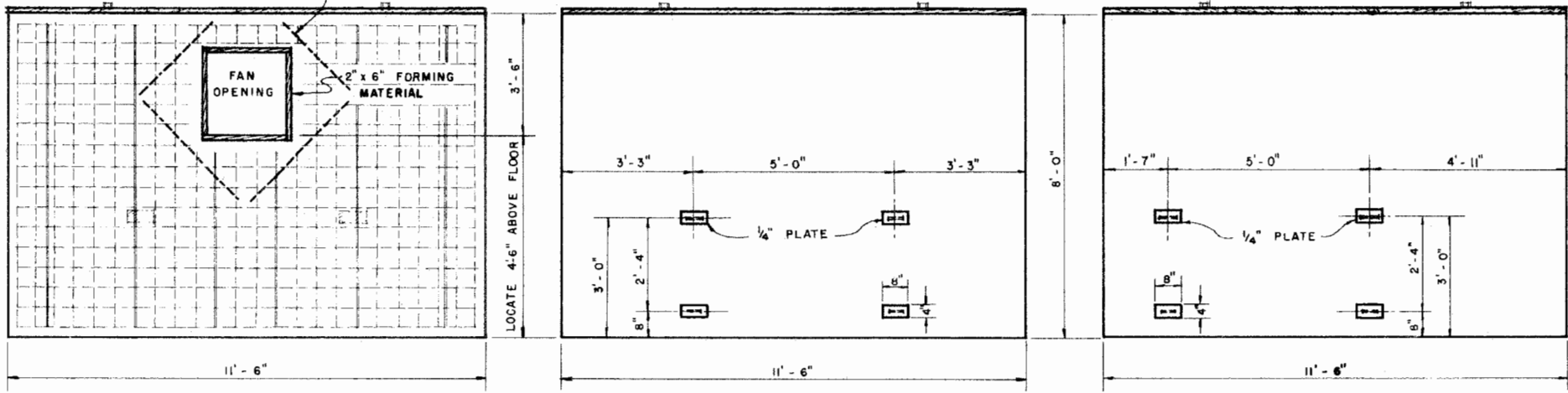
SCALE 3/4" = 1'-0"



FARROWING HOUSE
TILT-UP CONCRETE CONSTRUCTION

NEBR. '68 EX. 6061 SHEET 6 OF 7

NO. 3 REBARS IN EACH FACE OF
PANEL - LENGTH SET BY OPENING SIZE



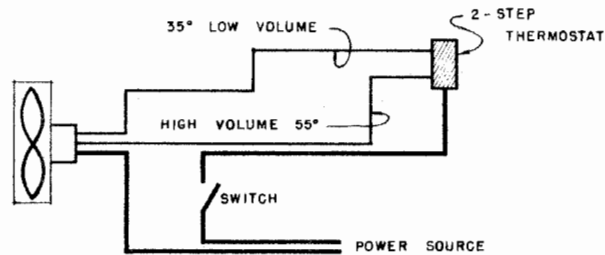
FAN OPENING DETAIL
PANEL "B" & "C"

PLATE LOCATIONS — PANEL "C"
(2 REQUIRED)

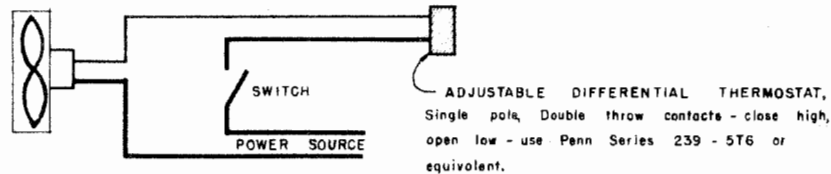
PLATE LOCATIONS — PANEL "B"
(2 AS SHOWN - 2 OPPOSITE)

WALL PANEL DETAILS

NOT TO SCALE



HIGH-LOW VOLUME FAN



HIGH VOLUME FAN

VENTILATION REQUIREMENTS: 2 exhaust fans
 1 High - Low volume fan for winter and mild weather
 CAPACITY - 500 CFM AT LOW VOLUME
 1,500 CFM AT HIGH VOLUME
 1 Fan, high volume for summer
 CAPACITY - 10,000 CFM
 ALL FAN RATINGS AT 1/8" STATIC PRESSURE
 NOTE: PROVIDE WEATHER PROOF HOOD FOR FAN.

VENTILATION MANAGEMENT:

COLD WEATHER - THE HIGH-LOW VOLUME FAN OPERATES CONTINUOUSLY AT LOW VOLUME UNLESS EXTREME WEATHER OR HEATER FAILURE REDUCES INSIDE TEMPERATURE BELOW 35° F.

MILD WEATHER - THE HIGH-LOW VOLUME FAN WILL OPERATE AT HIGH VOLUME WITH INCREASING TEMPERATURES.

HOT WEATHER - THE HIGH CAPACITY FAN CONTROLLED BY THE ADJUSTABLE DIFFERENTIAL THERMOSTAT WILL OPERATE CONTINUOUSLY WHEN THE TEMPERATURE IN THE BUILDING EXCEEDS 75°. BY ADJUSTING THE THERMOSTAT THE FAN WILL OPERATE UNTIL THE TEMPERATURE HAS DROPPED TO 70°. AT TEMPERATURES OVER 85° AN ADDITIONAL CIRCULATING FAN TO INCREASE AIR MOVEMENT INSIDE THE BUILDING WILL PROVIDE FOR GREATER ANIMAL COMFORT.



FARROWING HOUSE
TILT-UP CONCRETE CONSTRUCTION

NEBR. '68 EX. 6061 SHEET 7 OF 7

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.