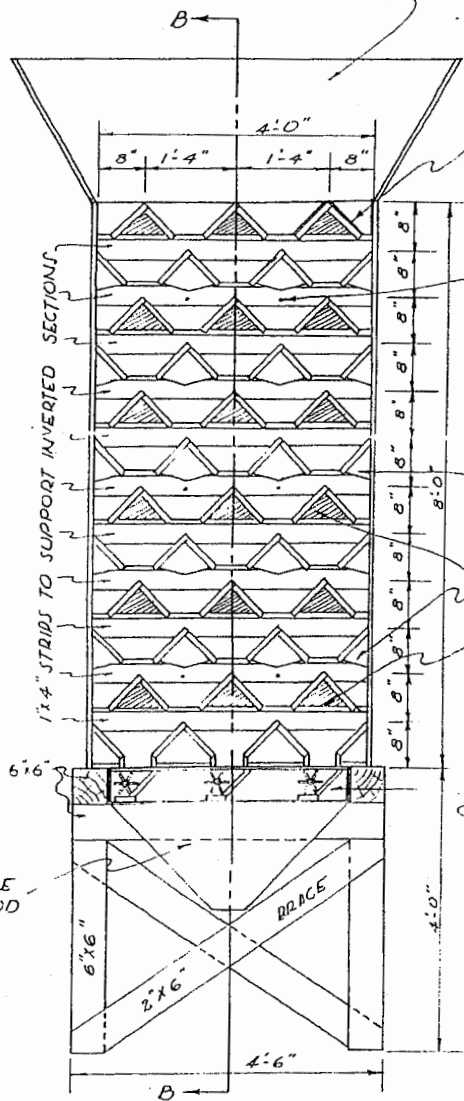
	
GRAIN DRYER	
ENGINEER	N.J.B.
SCALE	3/4" = 1'-0"
DRAWN BY	LA. AG. EXP. STA.
SHEET	1 OF 5
TRACED BY	J.K. BAGLEY
NO. 36-5	

BUILD HOPPER AS DESIRED, BUT WITH MIN. DEPTH OF 2 FT.



END VIEW-SECTION A-A

COVER ALL INVERTED SECTIONS WITH LIGHT GAUGE SHEET METAL

TIE ENDS OF DRIER TOGETHER WITH 3/8" ROUND RODS

1"x4" STRIPS

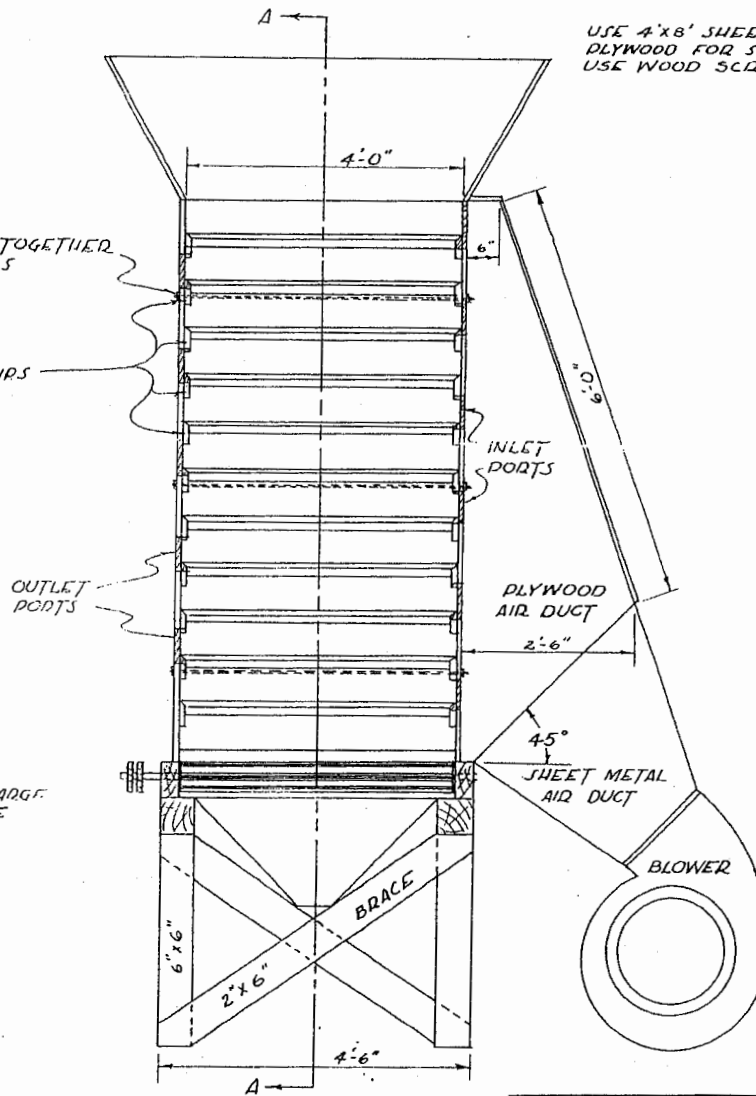
OPEN AT END OPPOSITE BLOWER

OPEN AT BLOWER END

SECTION CONTAINING DISCHARGE FEED ROLLS IS REMOVABLE FOR CLEANING.

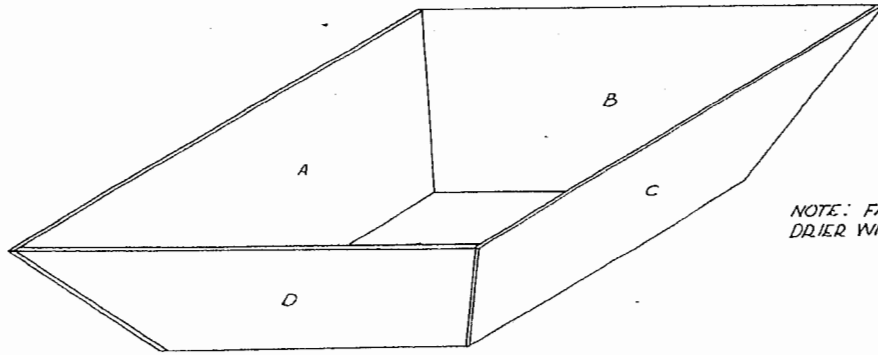
BUILD DISCHARGE HOPPER OF WOOD OR METAL.

USE 4'x8' SHEETS OF 3/4" PLYWOOD FOR SIDES & ENDS. USE WOOD SCREWS THROUGHOUT

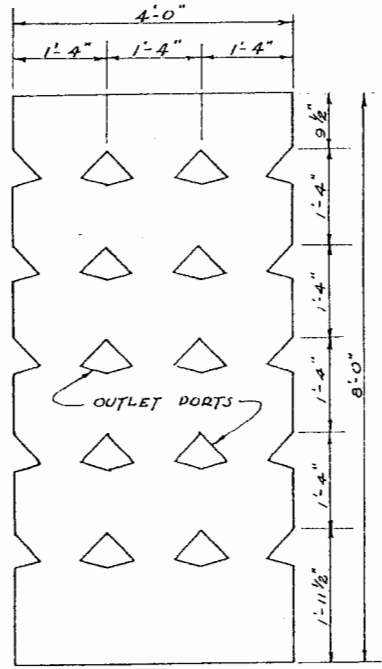
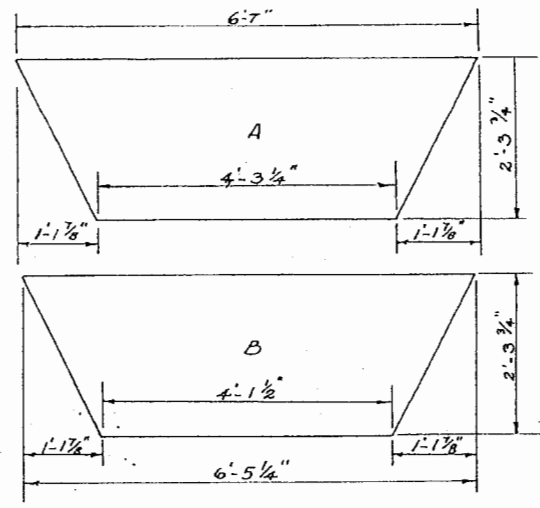


SIDE VIEW-SECTION B-B

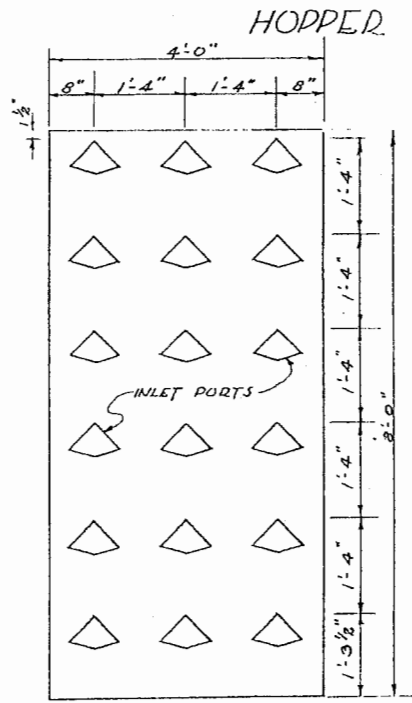
LSU AgCenter <small>RESEARCH & EXTENSION</small>		
GRAIN DRYER		
ENGINEER	NJB	SCALE 3/4" = 1'-0"
DRAWN BY	LA. AG. EXP. STA.	SHEET 2 OF 5
TRACED BY	JKB	NO. 36-5



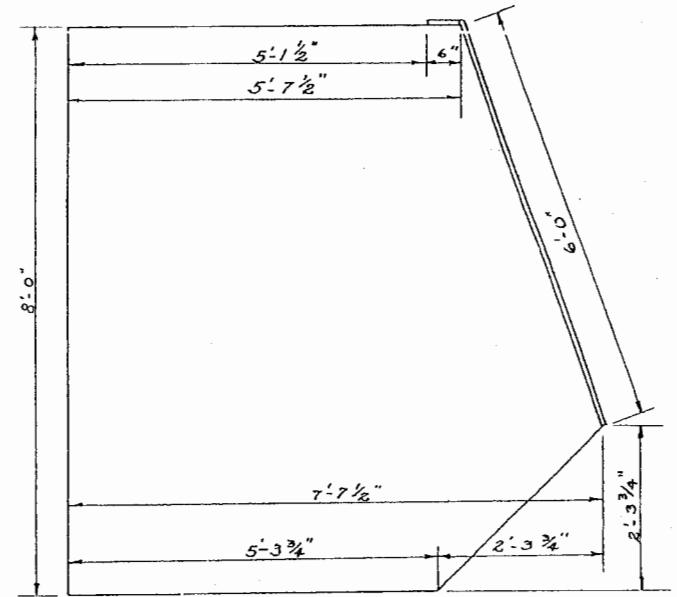
NOTE: FASTEN HOPPER TO DRIER WITH $\frac{1}{2}$ " x 1" STRAP IRON.



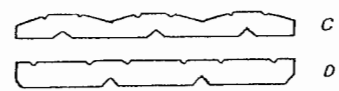
FRONT



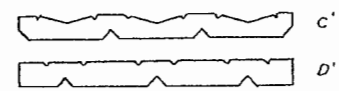
REAR



SIDES (2 REQUIRED)
2 PIECES PLYWOOD TO EACH SIDE



SUPPORTS FOR INVERTED SECTIONS

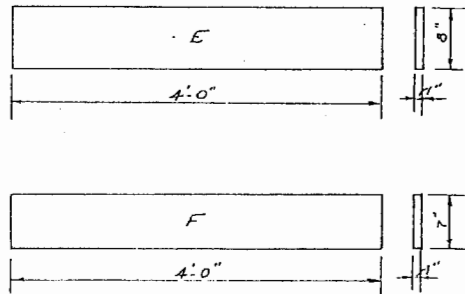
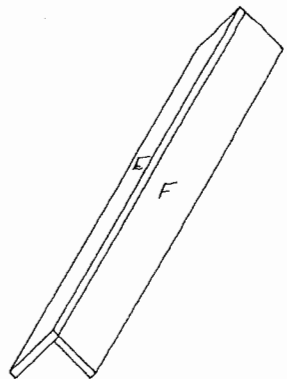


DRIER

1" x 4" STRIPS, 8" APART, SCREWED TO ENDS TO SUPPORT INVERTED SECTIONS

NOTE: DETAILS ON INVERTED SECTIONS, SUPPORTS FOR INVERTED SECTIONS, AND INLET & OUTLET PORTS IN BODY OF DRIER WILL BE FOUND ON SHEET NO. 4 & 5.

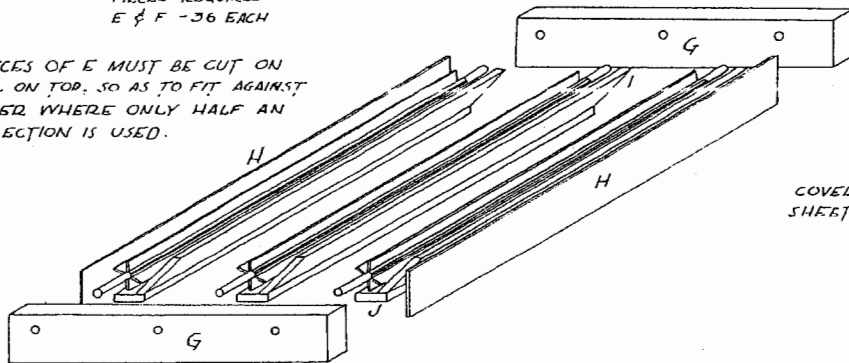
GRAIN DRYER	
ENGINEER	NJB
SCALE	
DRAWN BY	LA AG EXP STATION
SHEET	3 OF 5
TRACED BY	JKB
NO. 36-5	



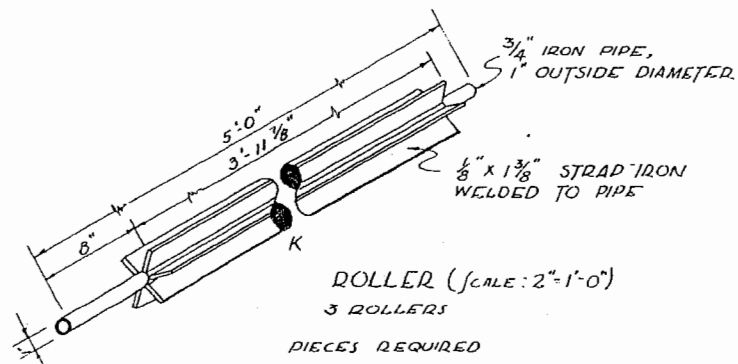
DETAIL OF INVERTED SECTIONS

PIECES REQUIRED
E & F - 26 EACH

NOTE: 12 PIECES OF E MUST BE CUT ON
A 45° BEVEL ON TOP, SO AS TO FIT AGAINST
SIDE OF DRIVE WHERE ONLY HALF AN
INVERTED SECTION IS USED.



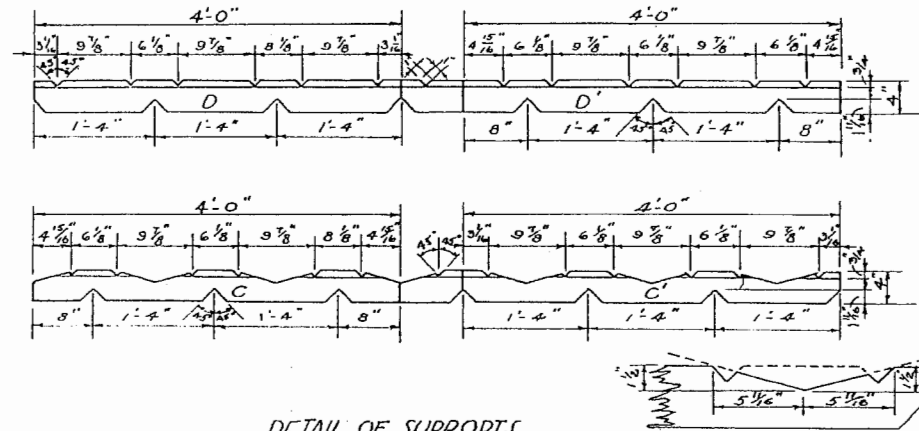
DISCHARGE FEED ROLLER
SECTION



ROLLER (SCALE: 2"=1'-0")

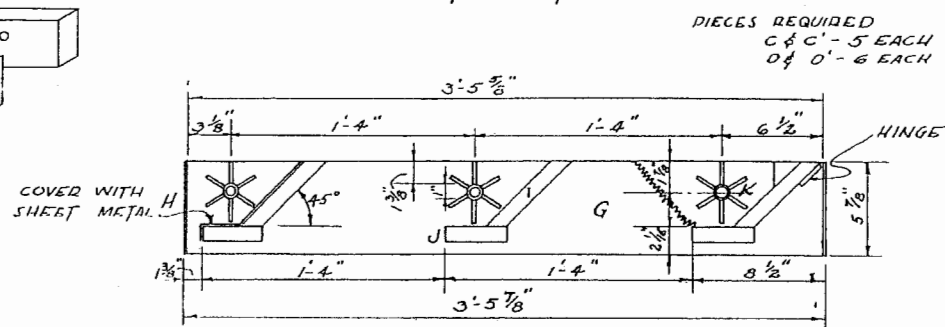
3 ROLLERS

PIECES REQUIRED
PIPE - 3 EACH
STRAP IRON - 18 EACH



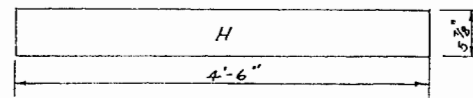
DETAIL OF SUPPORTS
FOR INVERTED SECTIONS

PIECES REQUIRED
C & C' - 5 EACH
D & D' - 6 EACH

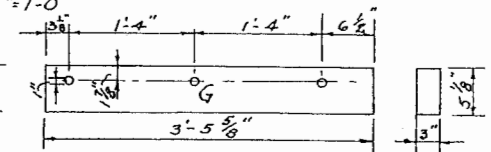


END VIEW - DISCHARGE FEED ROLLER
SECTION

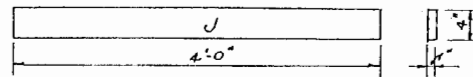
SCALE: 2"=1'-0"



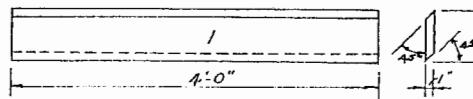
1/2" IRON, 2 PIECES



2 PIECES



3 PIECES

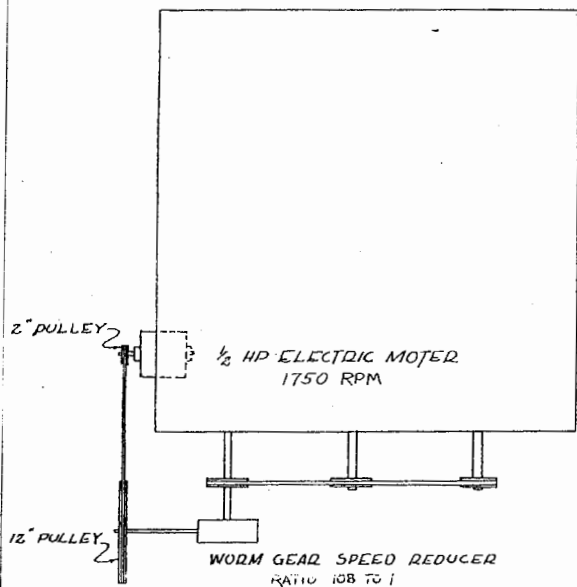


3 PIECES

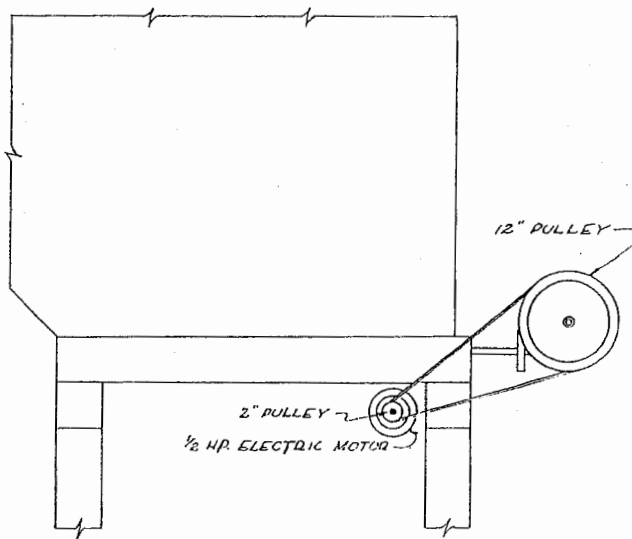


GRAIN DRYER

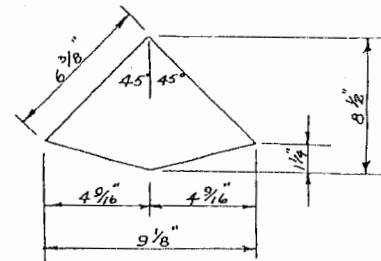
ENGINEER	NJB	SCALE	
DRAWN BY	LA AG EXP STA	SHEET	4 OF 5
TRACED BY	JKB		NO. 36-5



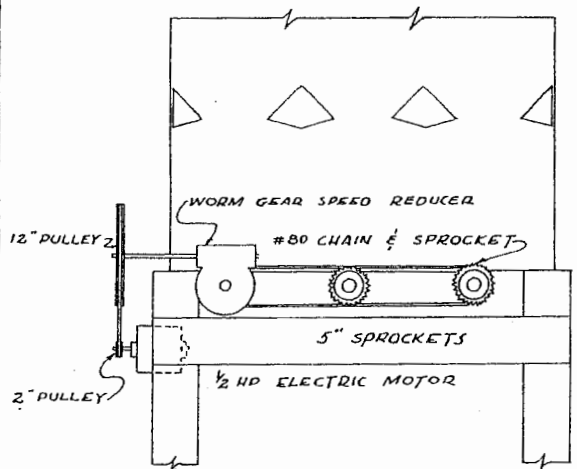
TOP VIEW
POWER UNIT, DISCHARGE FEED ROLLERS



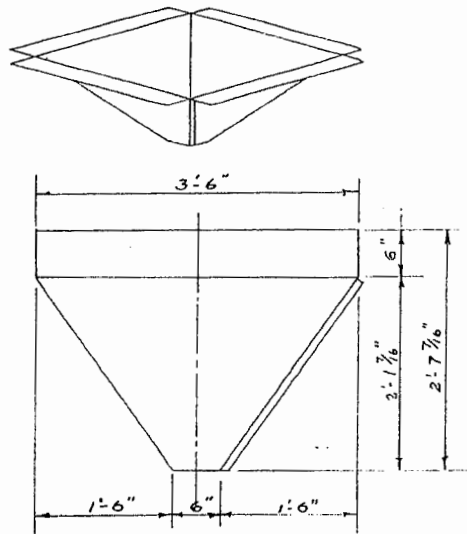
SIDE VIEW
POWER UNIT, DISCHARGE FEED ROLLERS



DETAIL, INLET &
OUTLET PORTS
SCALE 3"=1'-0"

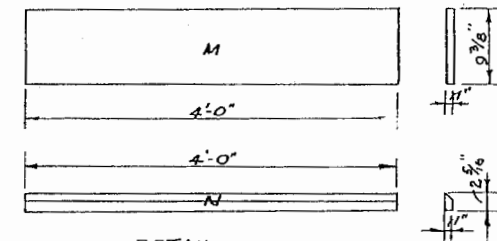
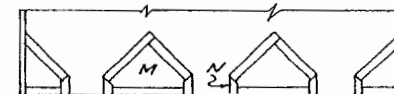


FRONT VIEW
POWER UNIT, DISCHARGE FEED ROLLERS



DETAIL, DISCHARGE HOPPER
4 PIECES REQUIRED

NOTE: AS SHOWN HOPPER IS
MADE OF METAL, HOWEVER,
WOOD MAY BE USED.



DETAIL, SUPPORTS FOR
LOWER ROW OF INVERTED SECTIONS
NO. PIECES NEEDED: M-4 N-6

NOTE: SPLIT ONE
PIECE M IN HALF
FOR 2 END PIECES



GRAIN DRYER

ENGINEER	NJB	SCALE
DRAWN BY	LA AG EXP STA	SHEET 5 OF 5
TRACED BY	JKB	NO. 36-5

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.