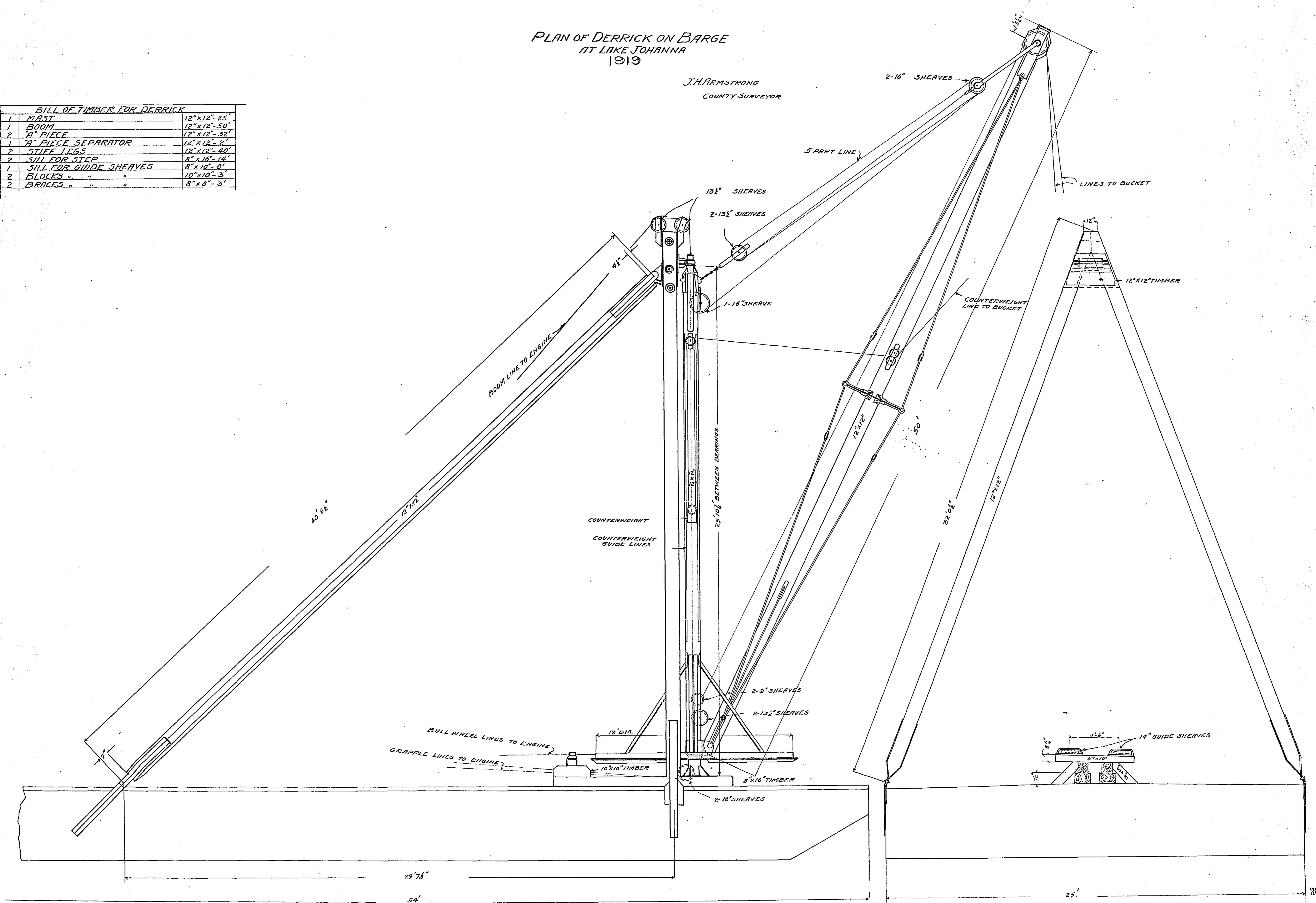


PLAN OF DERRICK ON BARGE
AT LAKE JOHANNA
1919

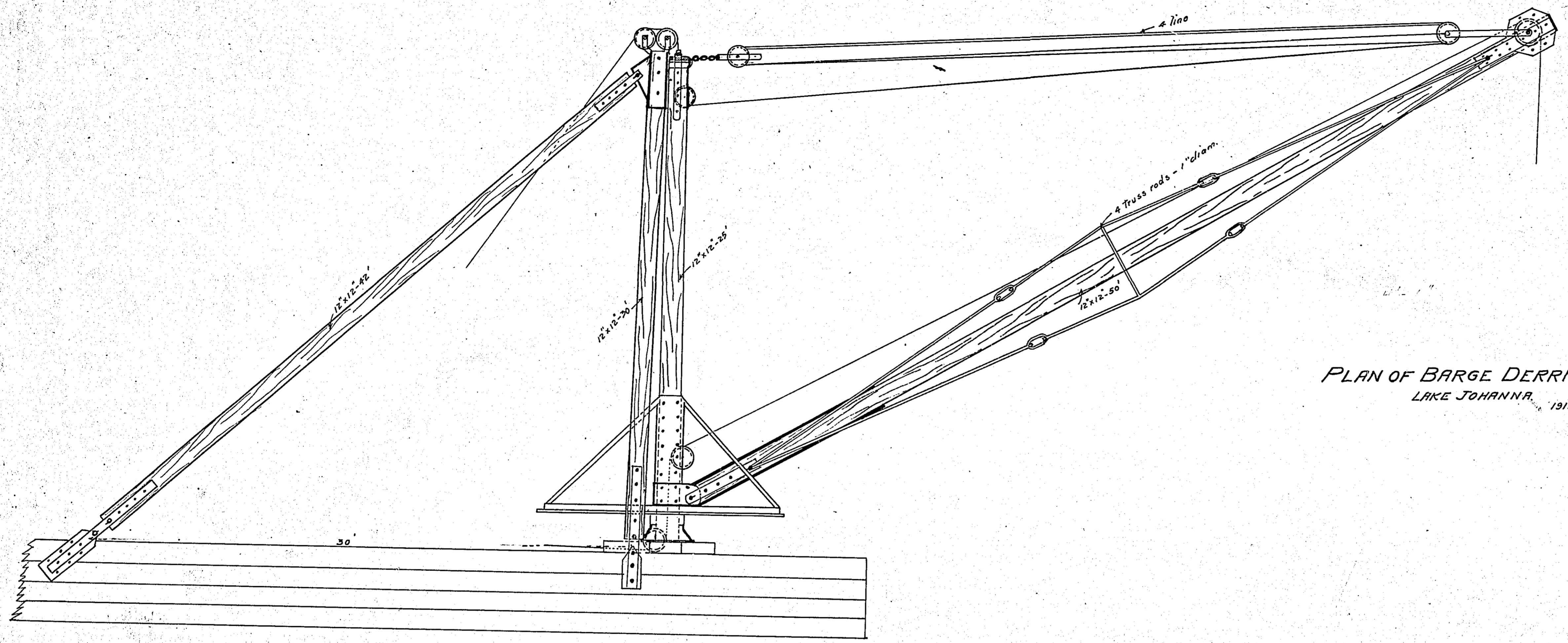
J. ARMSTRONG
COUNTY SURVEYOR

BILL OF TIMBER FOR DERRICK	
1	MAST 12"x12"-25'
1	BOOM 12"x12"-50'
2	A PIECE 12"x12"-32'
1	A PIECE SEPARATOR 12"x12"-2'
2	STIFF LEGS 12"x12"-40'
2	SILL FOR STEP 8"x16"-14'
1	SILL FOR GUIDE SHEAVES 8"x16"-8'
2	BLOCKS " " 10"x10"-3'
2	BRACES " " 8"x8"-3'



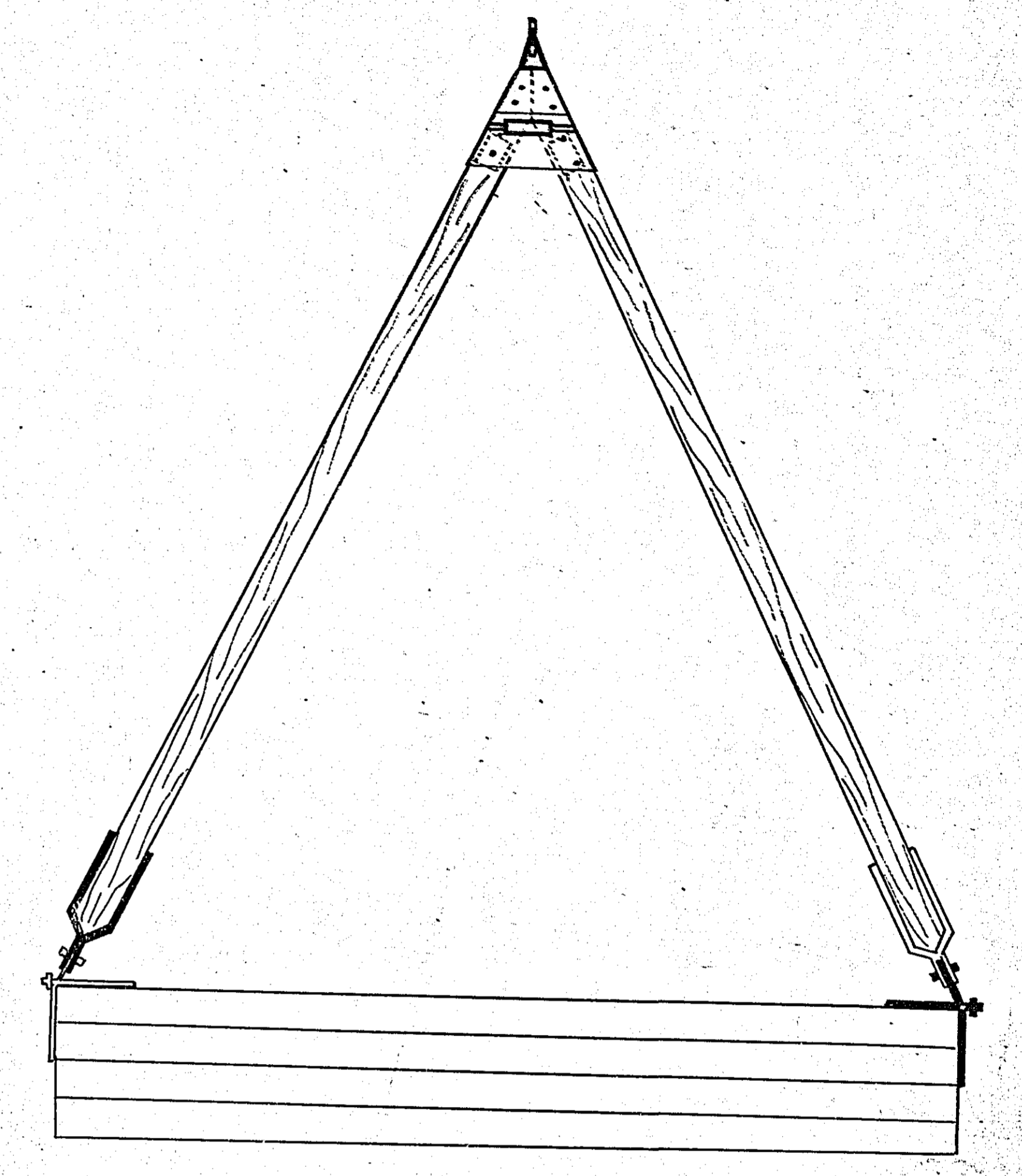
MICROFILMED
RAMSEY CO. ENGR.

1 in 2 42W x 41
 2 in 7 30 x 24 x 12
 1 50 12 x 12
 2 10 6 x 11 L
 3 12 x 12 x 2 2 1/2
 4 12 x 12 x 2 1/2

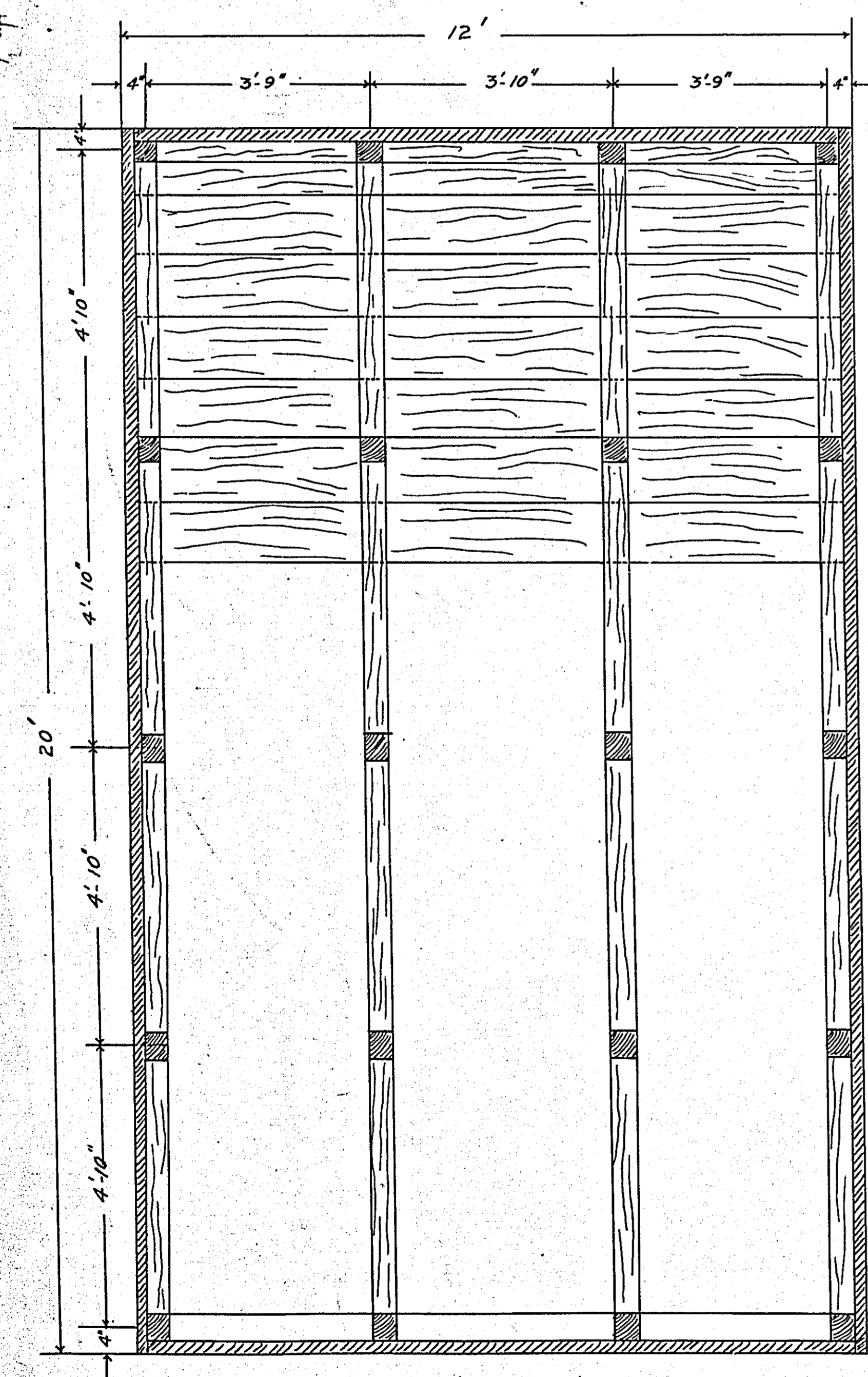


PLAN OF BARGE DERRICK
 LAKE JOHANNNA, 1919.

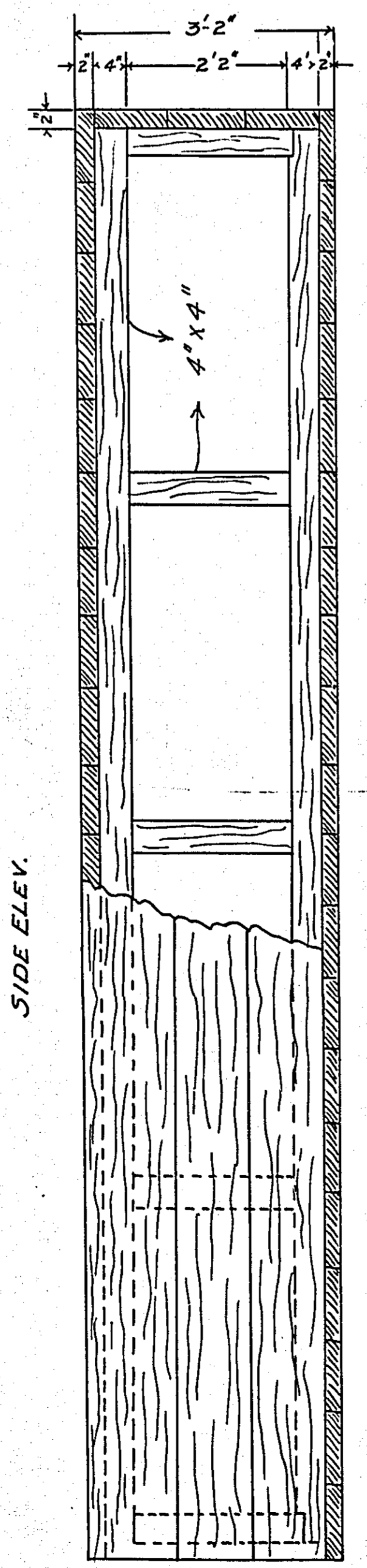
Scale 4' = 1 inch



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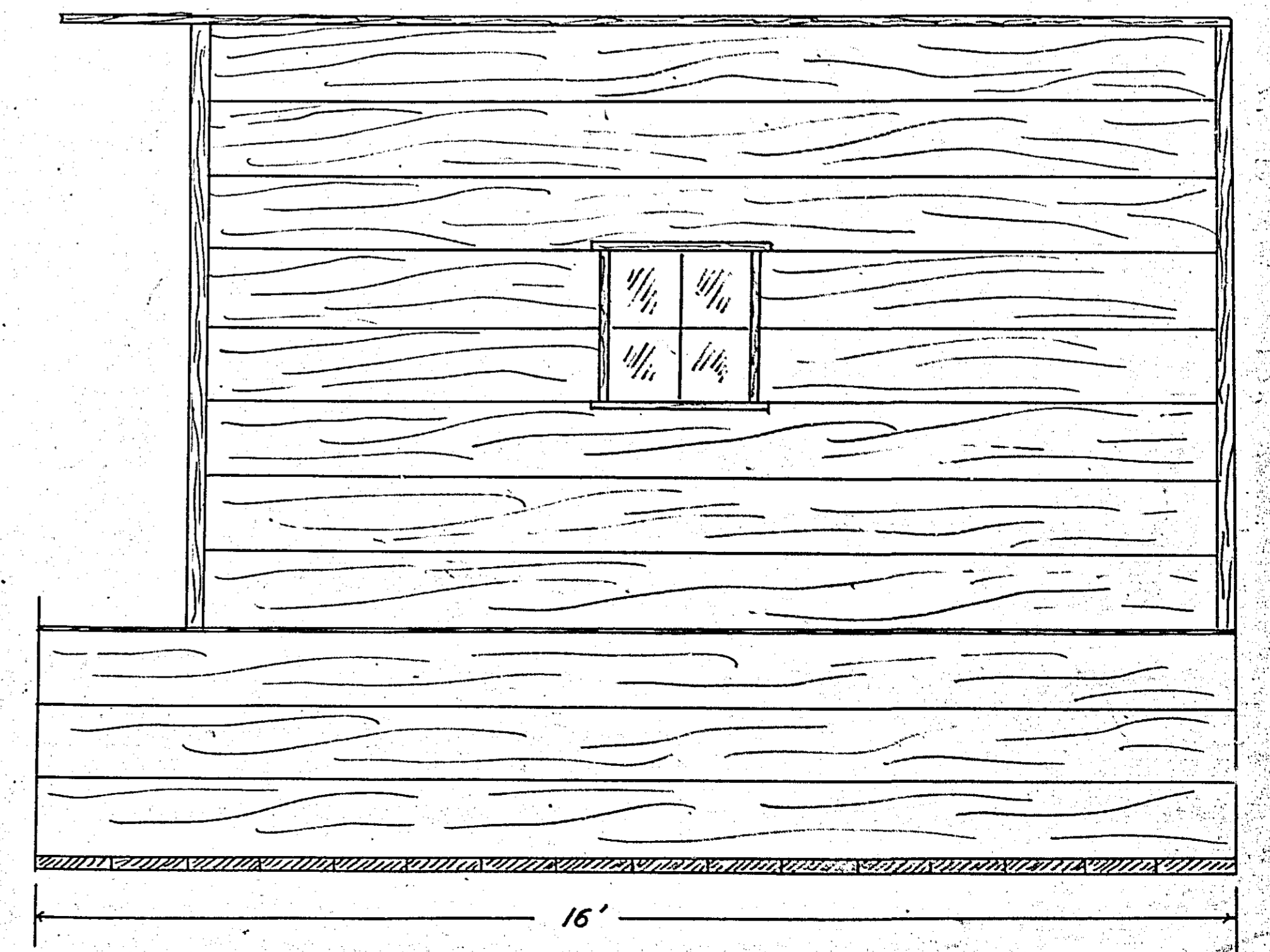
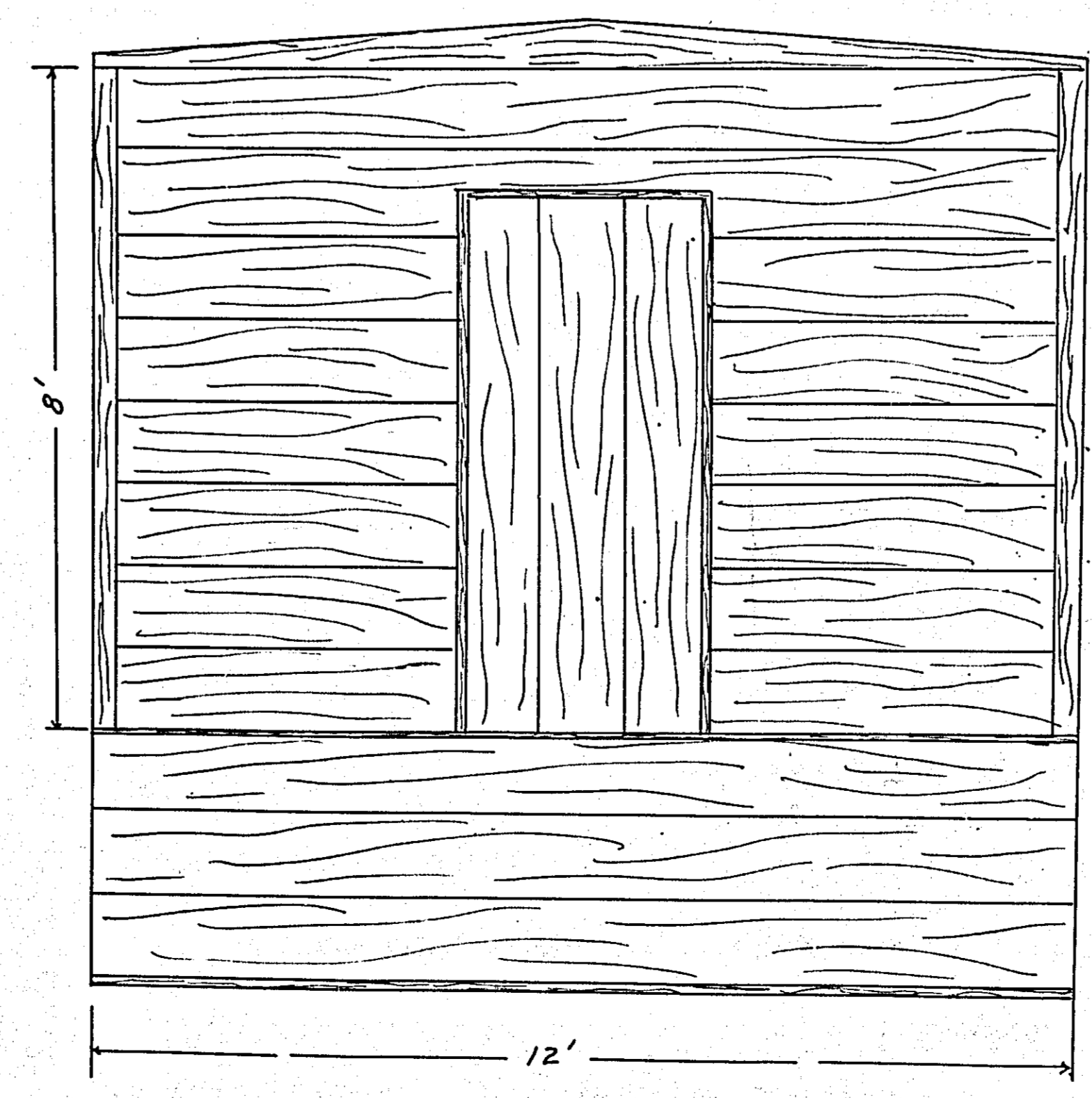
PLAN OF COAL BARGE.



SIDE ELEV.

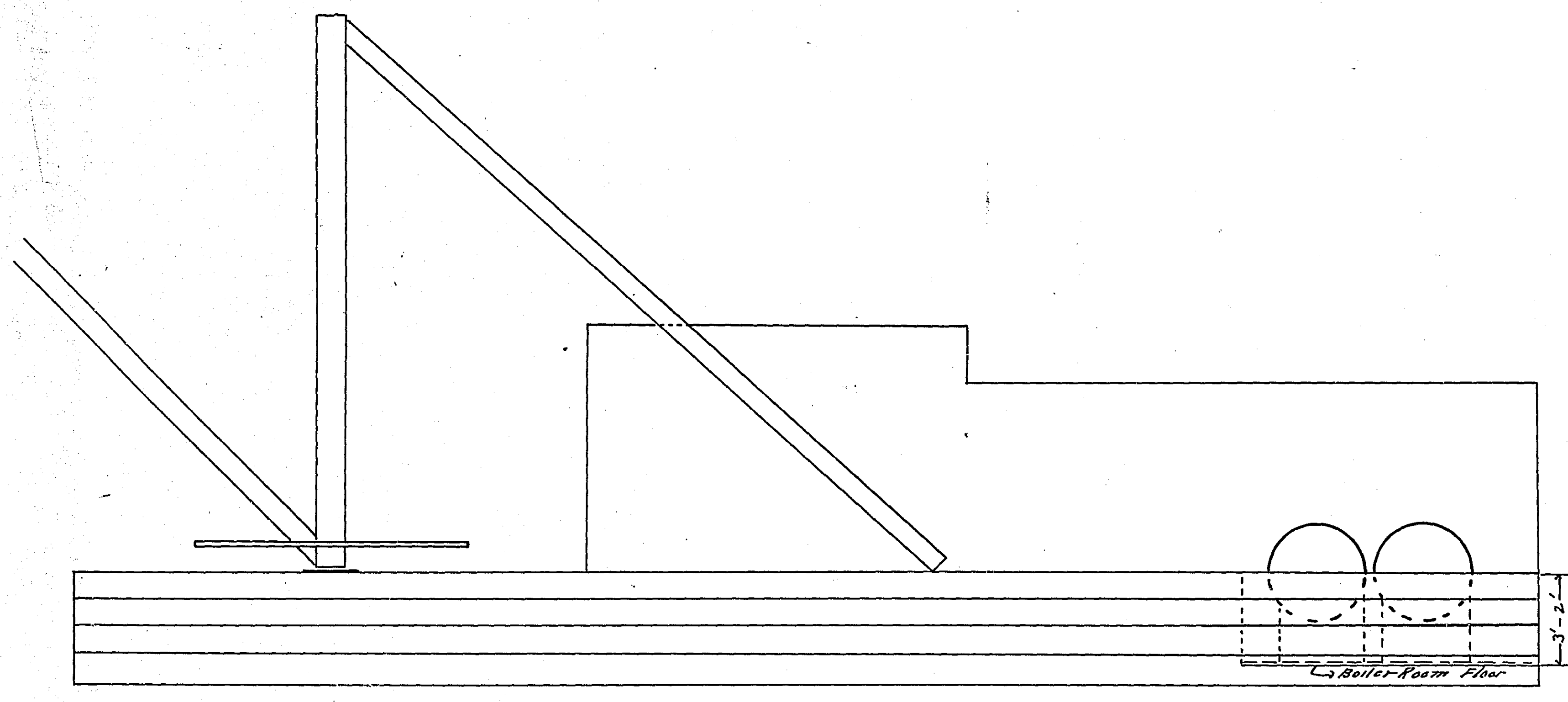
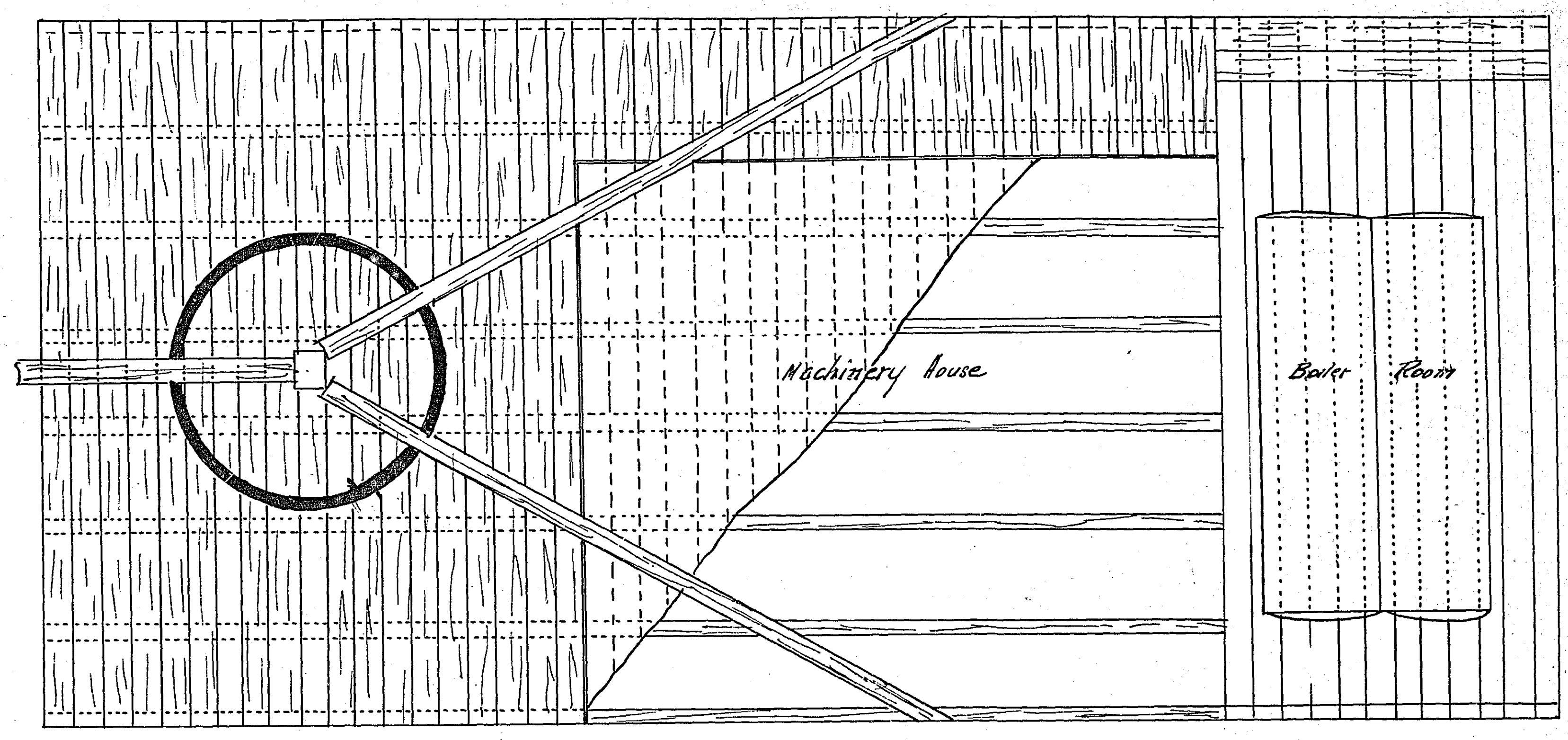
HULL OF HOUSE BOAT SAME CONSTRUCTION
 AS COAL BARGE, BUT SIZE IS 12 x 16.
 (for Lake Johanna)

HOUSE BOAT

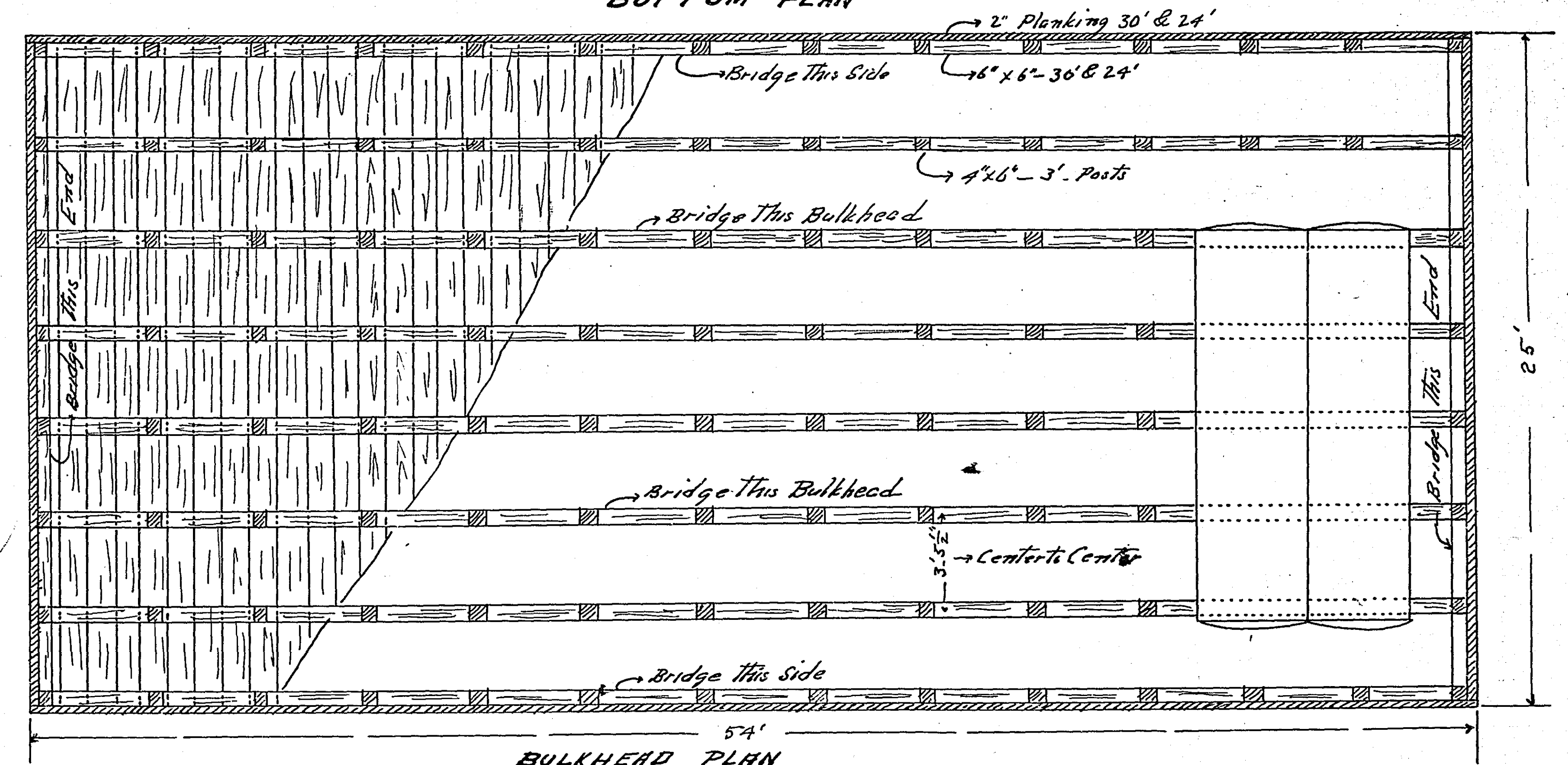


MICROFILMED
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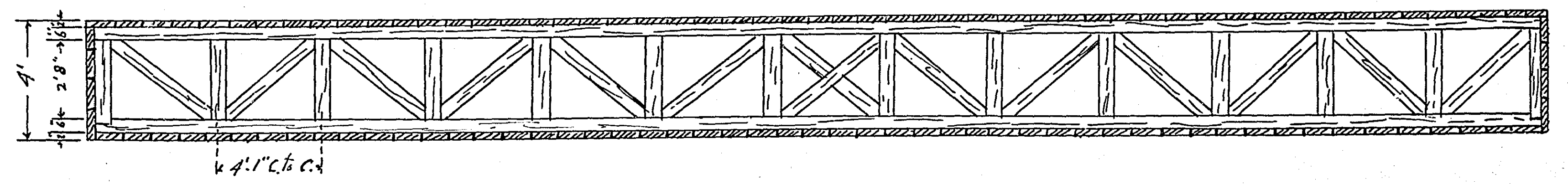
DECK PLAN



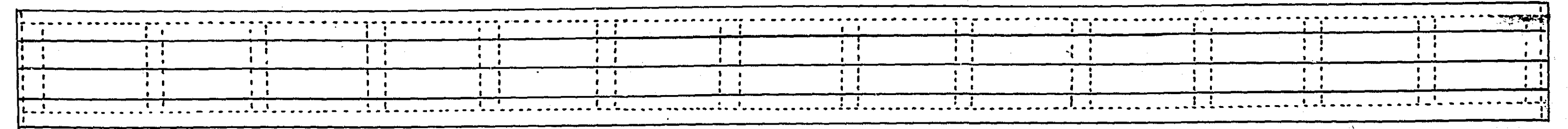
BOTTOM PLAN



BULKHEAD PLAN



SIDE ELV. SHOWING PLANKING



Scale 40:1. 1/16"