

# BELLEVILLE BOILERS N° 307

## FRONT JUNCTION BOX

FULL SIZE



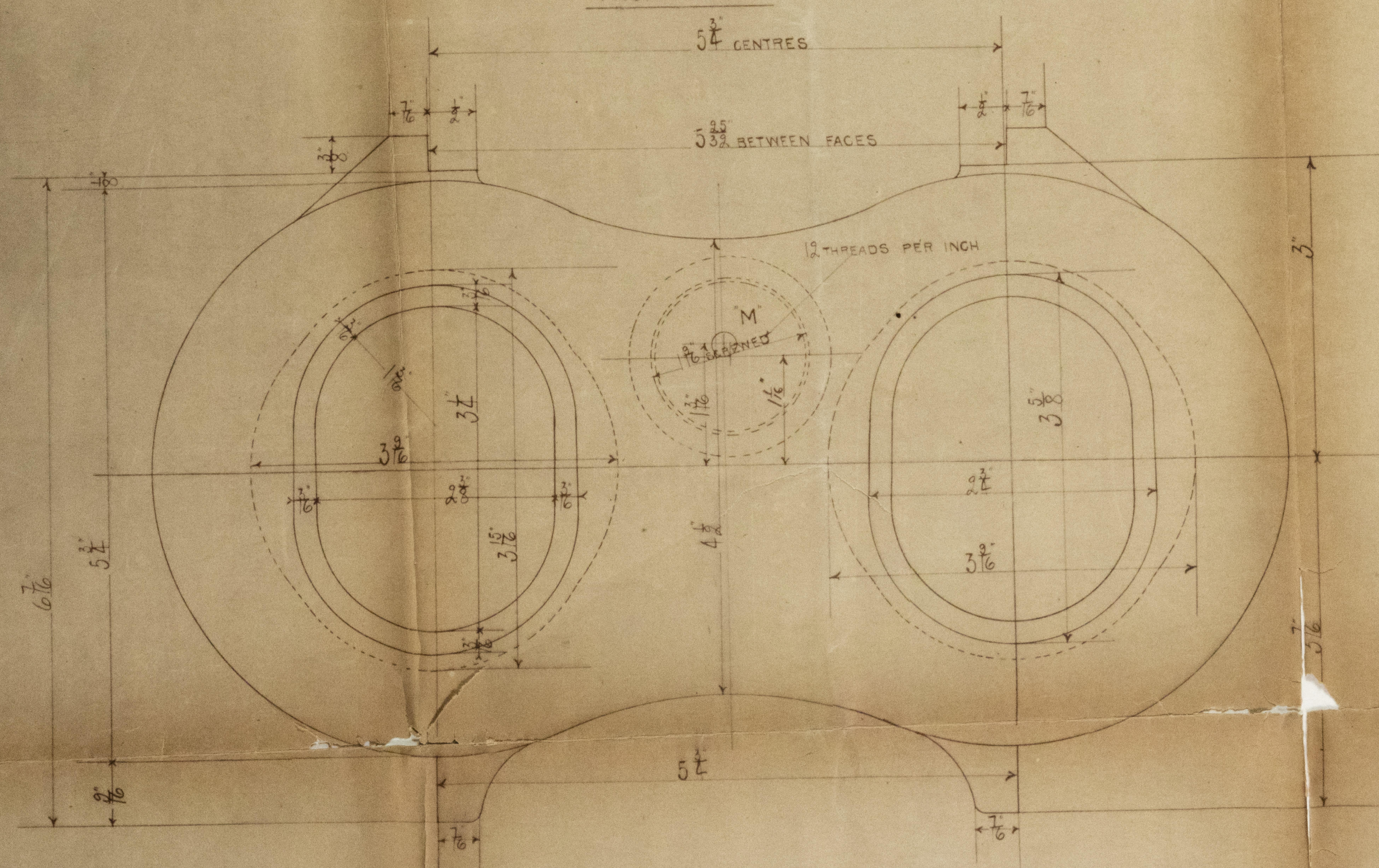
15/4/97

BOXES TO BE OF MALLEABLE CAST IRON

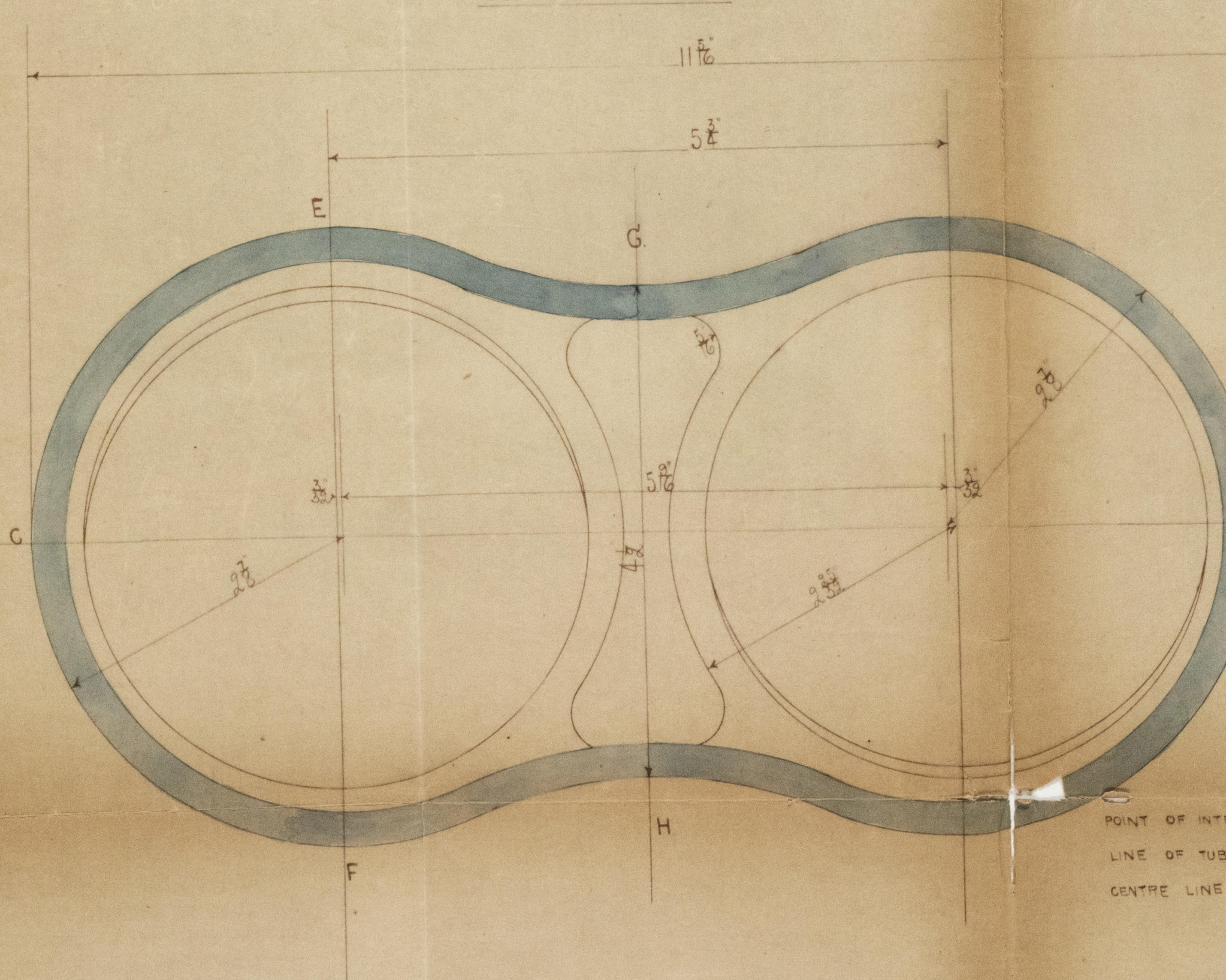
**DROP TEST** EACH BOX TO BE DROPPED 25 FEET ON TO A CAST IRON SLAB WITHOUT SHEWING ANY SIGNS OF FRACTURE  
**CRUSHING TEST** NOT LESS THAN 4 PER CENT OF THE CASTINGS ARE TO BE REDUCED IN BREADTH AT LEAST 25% OF THEIR WIDTH WITHOUT CRACKING  
**BENDING TEST** A STRIP AS SHOWN DOTTED IS TO BE CAST ON EACH BOX AND ANY SELECTED FROM THESE ARE TO BE BENT THROUGH AN ANGLE OF 90° OVER A 1/2" RADIUS WITHOUT SHEWING ANY SIGN OF FRACTURE

ANY OF THE CRUSHED BOXES ARE TO BE BROKEN AS REQUIRED WHEN THE FRACTURE SHOULD SHew THAT THE ANNEALING HAS PENETRATED TO AT LEAST 1/2" EACH BOX TO BE TESTED BY WATER PRESSURE TO 750 LBS PER SQUARE INCH BOXES TO BE REJECTED IF THEIR LENGTH IS MORE THAN 11 1/2" AND THEIR HEIGHT MORE THAN 5 1/2" AND IF THEIR THICKNESS AT ANY POINT EXCEEDS 3/32" MORE OR LESS THAN THAT SPECIFIED

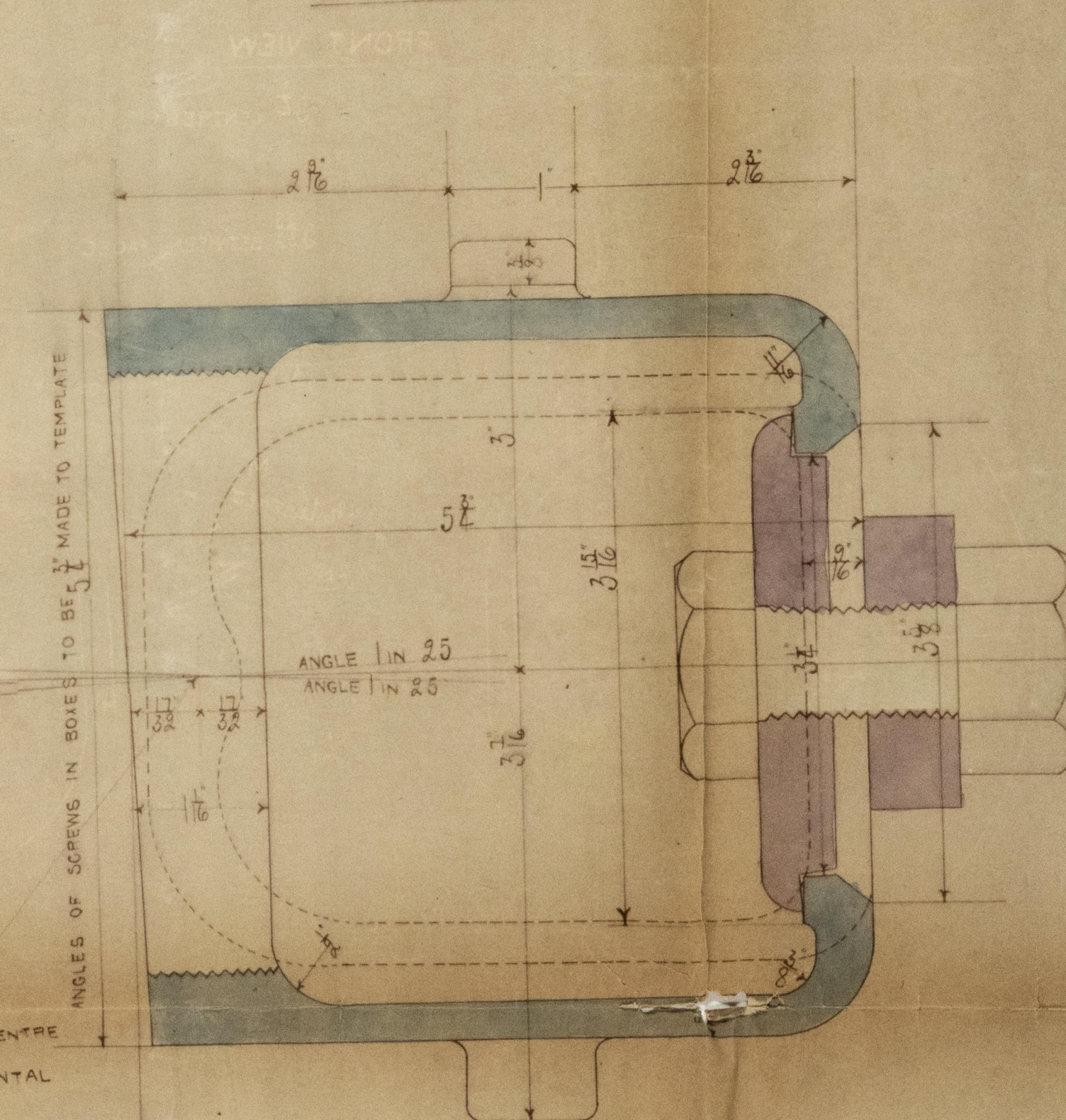
FRONT VIEW



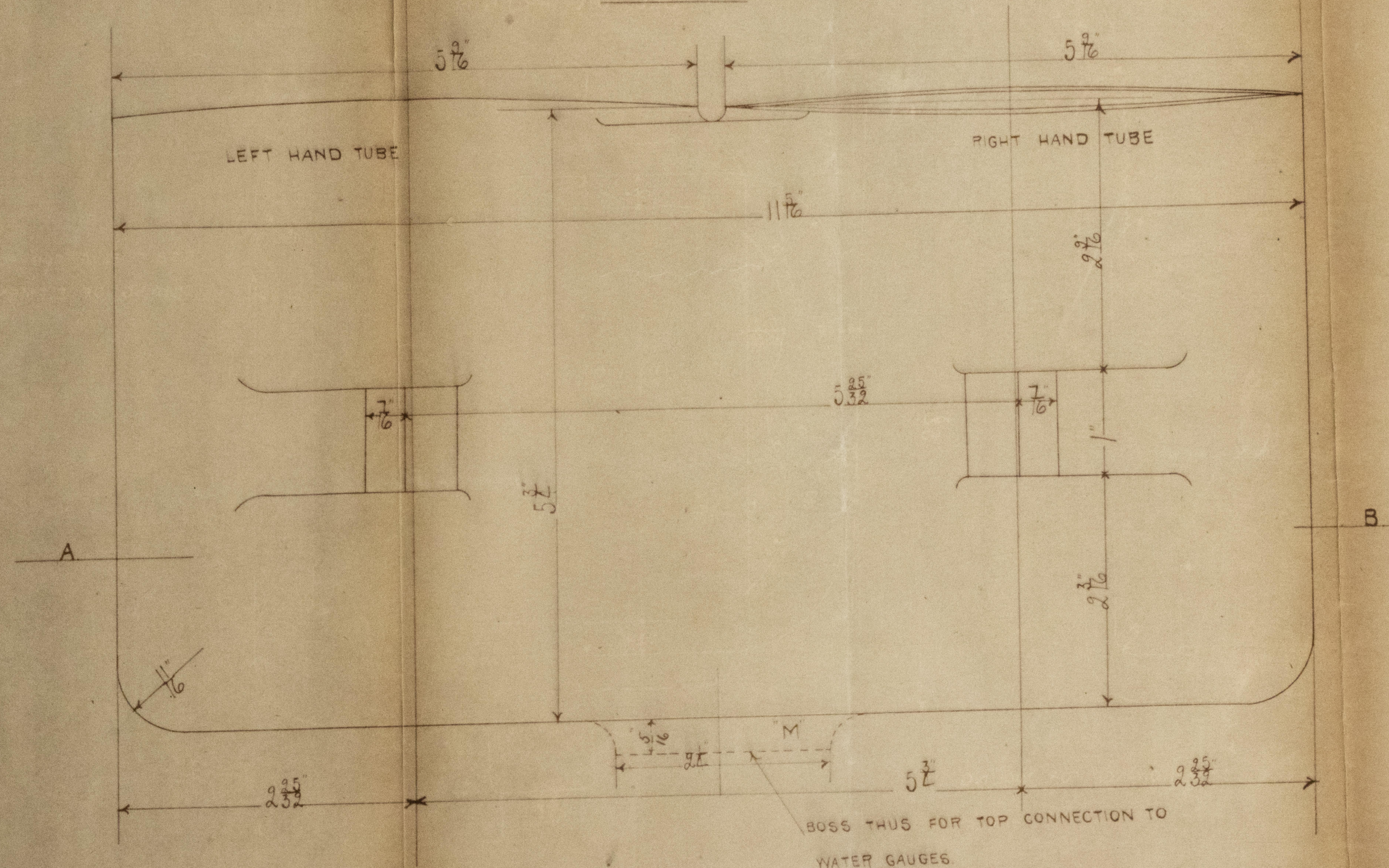
SECTION THRO' A.B



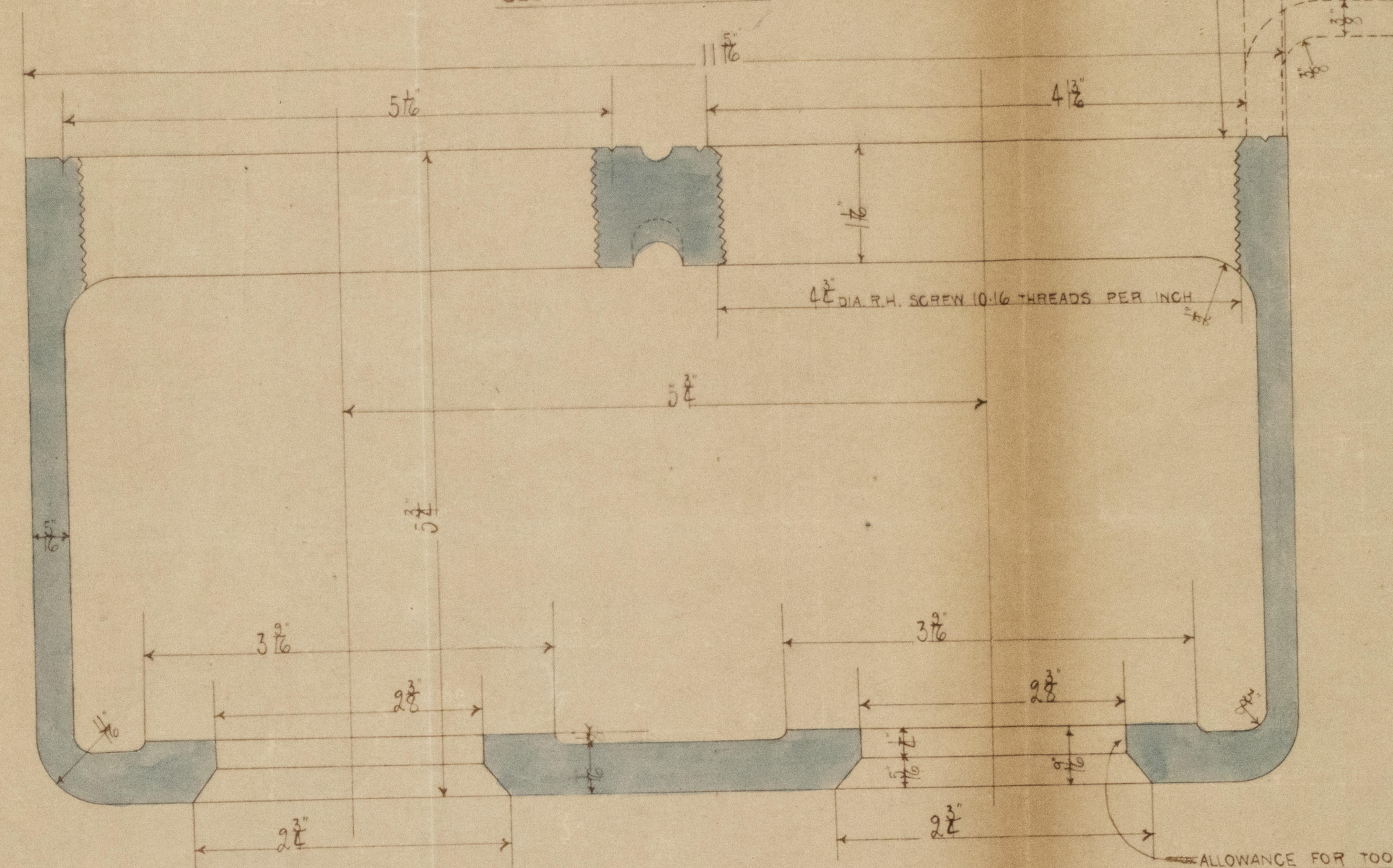
SIDE VIEW  
SECTION THRO' E.F



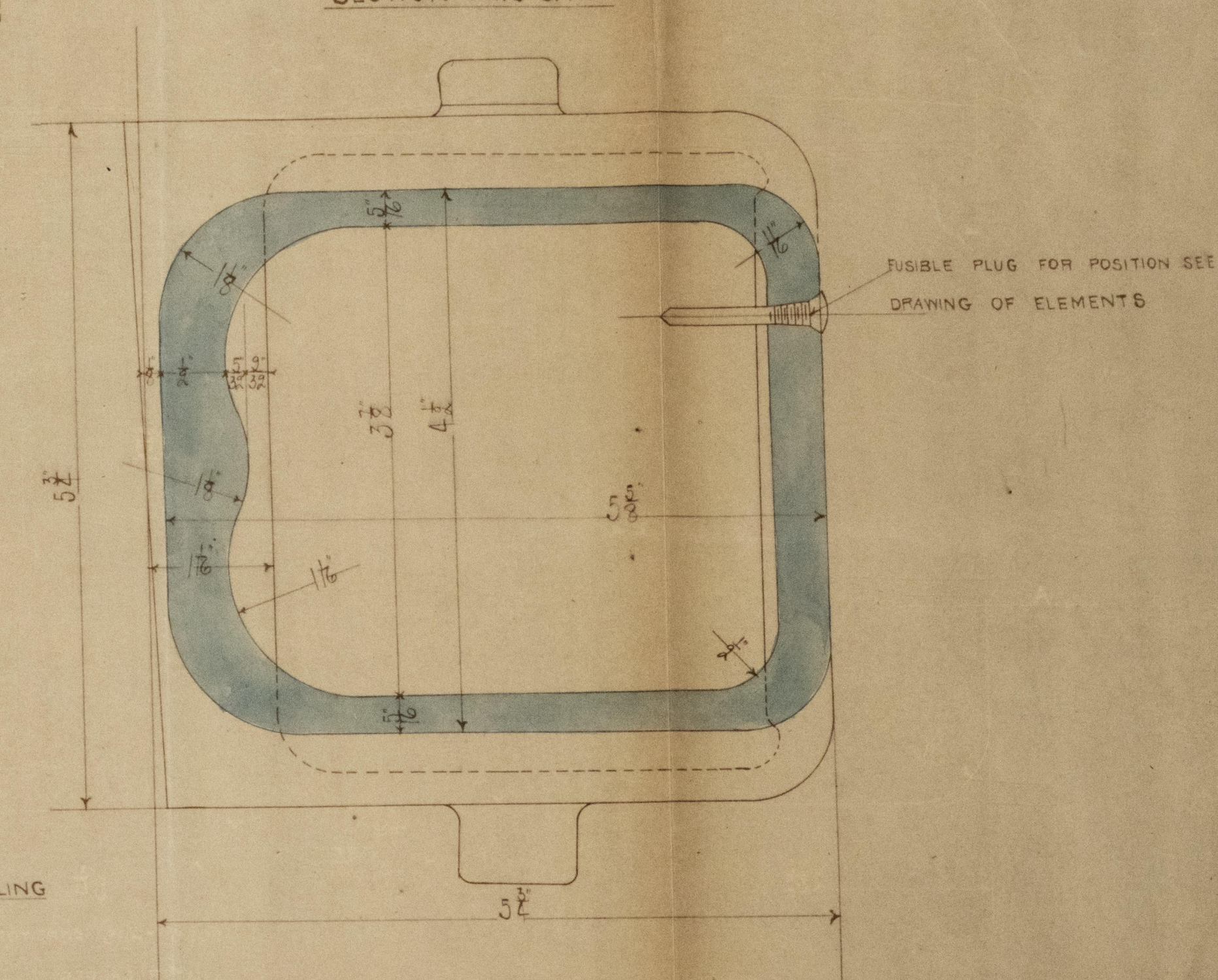
PLAN VIEW



SECTION THRO' C.D



SECTION THRO' G.H



2076 WORKING AND 71 SPARE WITH RIGHT HAND TUBE ASCENDING AND LEFT HAND TUBE DESCENDING  
 30 " " 2 " SAME AS ABOVE BUT WITH FACING M  
 THE QUANTITIES MARKED ARE FOR 20 BOXES  
 24 OF 8 AND 6 OF 7 ELEMENTS EACH

LLOYDS



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