

NOTES.

ALL SUCTION PIPES ARE TO BE EFFICIENTLY SECURED IN POSITION AND STRAPPED TO PREVENT LATERAL MOVEMENT AND ARE TO BE MADE IN SUITABLE LENGTHS WITH FLANGED JOINTS.  
 THE SUCTION ENDS IN HOLD SPACES ARE TO BE ENCLOSED IN STRUM BOXES HAVING PERFORATIONS NOT MORE THAN  $\frac{3}{16}$ " IN DIAMETER WHOSE COMBINED AREA IS NOT LESS THAN TWICE THAT OF THE SUCTION PIPE, AND THE BOXES ARE TO BE SO CONSTRUCTED THAT THEY CAN BE CLEARED WITHOUT BREAKING ANY JOINT OF THE SUCTION PIPE.  
 LEAD PIPES ARE NOT TO BE USED WITHIN COAL BUNKERS NOR ARE THEY TO BE ATTACHED TO BUNKER BULKHEADS.  
 VALVE CHESTS, COCKS, PIPES, AND OTHER FITTINGS ATTACHED TO THE BULKHEADS ARE TO BE SECURED BY MEANS OF STUDS PASSED THROUGH THE PLATE, OR BY TAP BOLTS, AND NOT BY BOLTS PASSED THROUGH CLEARING HOLES.  
 NO MAIN SUCTION PIPE IS TO BE LESS THAN 2 INCHES IN BORE, AND NO BRANCH PIPE IS TO BE LESS THAN 2 INCHES IN BORE OR NEED BE MORE THAN 4 INCHES IN BORE.  
 AIR PIPES ARE TO BE LED TO ABOVE THE LOAD WATER LINE.  
 ALL PIPES IN HOLD AND BUNKERS TO BE PROPERLY CASED IN.  
 A THICK STEEL DOUBLING PLATE IS TO BE SECURELY FIXED BELOW EACH SOUNDING PIPE FOR THE ROD TO STRIKE UPON.  
 ALL SOUNDING PIPES TERMINATING AT DECK TO HAVE ENGRAVED BRASS PLATES.

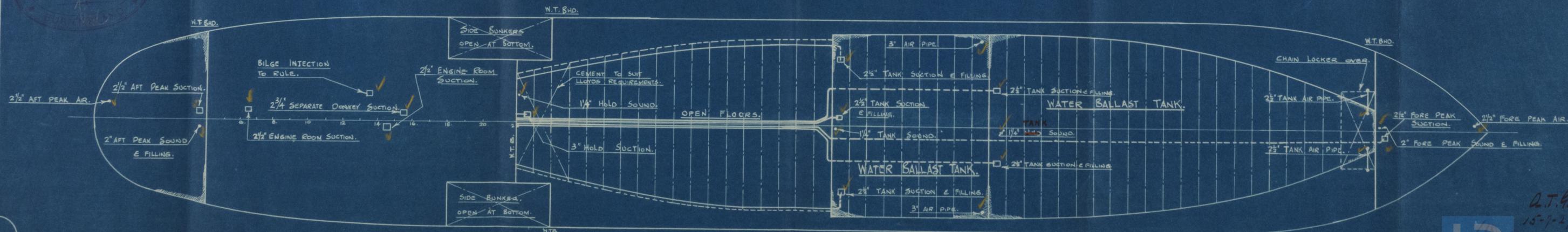
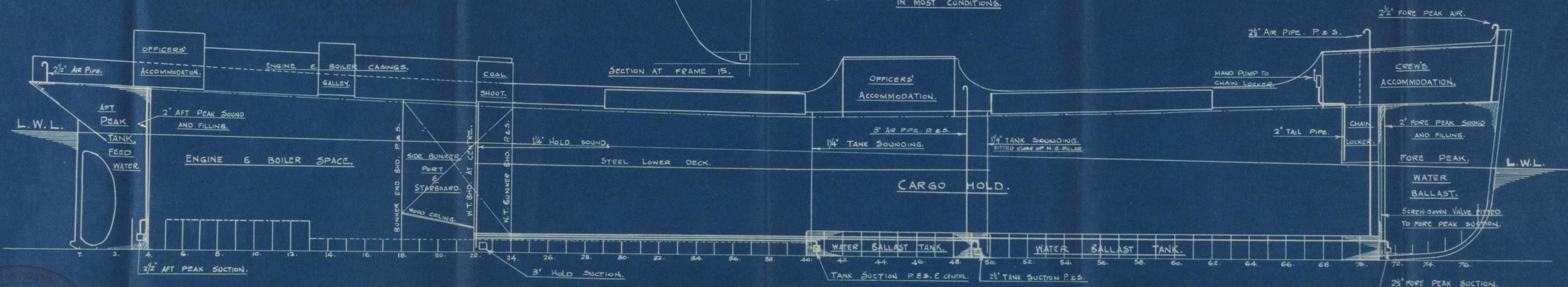
SHIP No 145.

PUMPING PLAN.

SCALE  $\frac{1}{8}$ " = 1 FOOT.

NOTE. VESSEL WILL NORMALLY TRIM 3'-0" BETWEEN LIGHT AND LOAD LINES IN MOST CONDITIONS.

PIPES IN ELEVATION ARE DRAWN ONE ABOVE THE OTHER TO FACILITATE TRACING THE LEADS.  
 THE LEADS OF PIPES GENERALLY ARE DIAGRAMATIC AND ARE OPEN TO MODIFICATION ON SHIP SUCTION PIPE TO THE FORE PEAK TO BE FITTED WITH A SCREWDOWN VALVE CAPABLE OF BEING OPERATED FROM AN ACCESSIBLE POSITION ABOVE THE LOAD WATER LINE, THE CHEST BEING SECURED TO THE COLLISION BULKHEAD INSIDE THE FORE PEAK.  
 THE INSIDE DIAMETER OF THE MAIN BILGE LINE PIPES TO BE NOT LESS THAN 3 INCHES.  
 THE BILGE SUCTIONS IN THE MACHINERY SPACE TO BE LED FROM EASILY ACCESSIBLE MIDDLEBOXES IN ACCORDANCE WITH SECTION 34, CLAUSE 6, PARAGRAPH (4).  
 EACH INDEPENDANT POWER DRIVEN BILGE PUMP TO BE CAPABLE OF GIVING A SPEED OF WATER THROUGH A 3 INCH DIAMETER PIPE OF NOT LESS THAN 400 FEET PER MINUTE UNDER ORDINARY WORKING CONDITIONS.  
 THE REMAINING REQUIREMENTS OF SECTION 34 OF THE NEW RULES TO BE COMPLIED WITH, AND THE ARRANGEMENTS AS OTHERWISE SHOWN ON THE PLAN BE ADHERED TO AND ALL THE WORK CARRIED OUT TO SURVEYORS SATISFACTION. (LLOYDS RULES. 1924-5)



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MESSES BURNTISLAND SB  
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PUMPING PLAN

*of City of London*

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