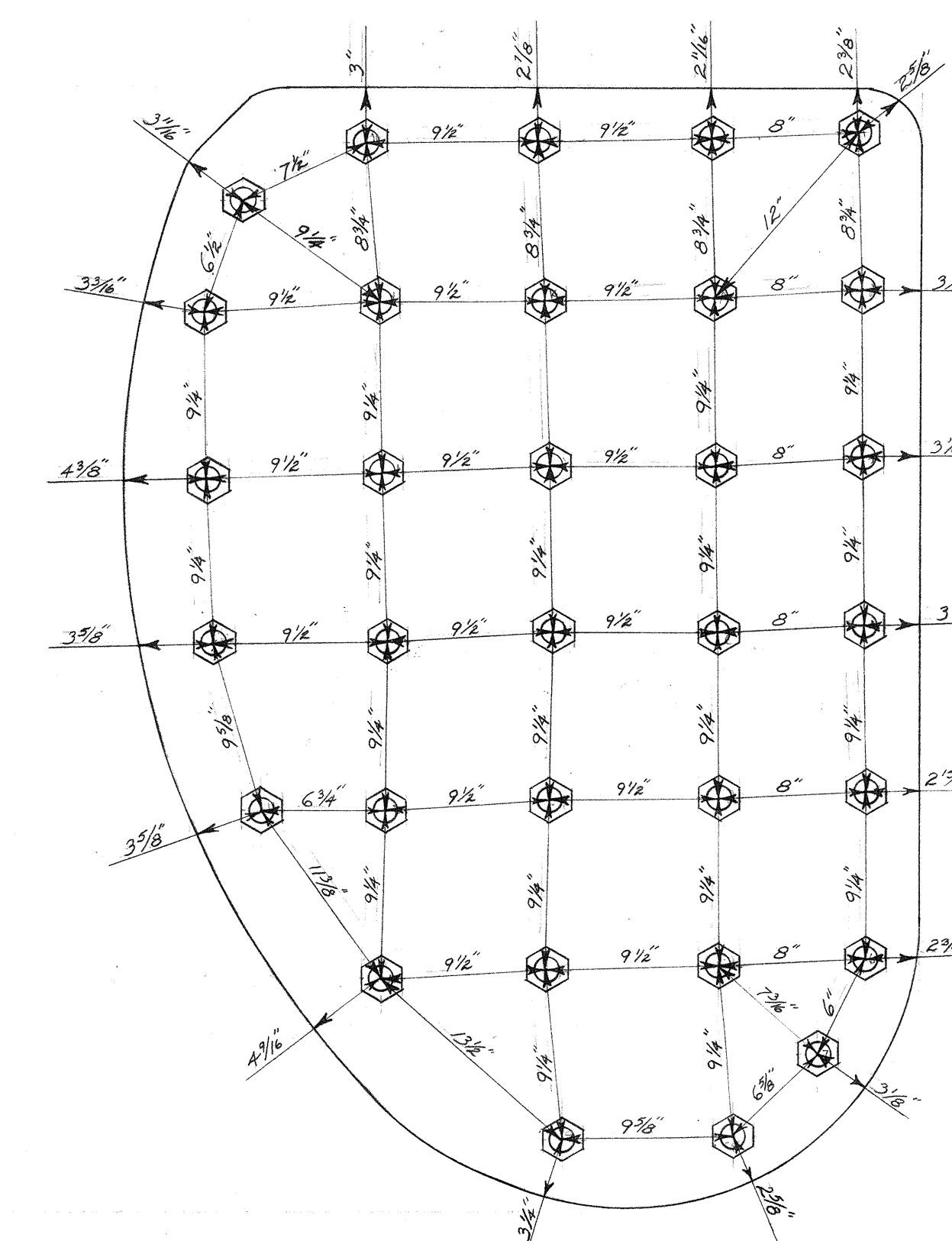


MANUFACTURE — RILEY BROS. BOILER NO. 5874
TYPE — OIL FIRED SCOTCH BOILER — MARINE TYPE
DIAMETER — 9'0"
LENGTH — 8'6"
WORKING PRESSURE — 120[#]/SQ.IN.
FLUES — TWO MAIN FLUES
EVAPORATION — 4000 H.S./HR.
TUBES — 2¹/₂" I.D. 3¹/₂" O.D.
SAFETY VALVES — DOUBLE DIRECT OPERATING TYPE
UPPER BLOWER MANNING'S 15"x18"
1¹/₂" BLOW DOWN VALVE
1¹/₂" SURFACE BLOW DOWN VALVE
2-KB-2 TYPE 3" W.H. FRONTS FITTED
SURVES — 2 VALVES LEAD FROM 10 GALLON DIESEL TANK
A.T. AUTOMIZED BY 4" AIR LINE SURROUNDING BOILER FROM HIGH
PRESSURE SIDE OF CENTRIFUGAL PUMP. REMAINDER AIR FROM
PUMP SUPPLIED TO BOILER FROM THROUGH 10"x10" STEEL DUCT.
FAN IS BELT DRIVEN BY 7¹/₂" A.P. LISTER ENGINE.
SAFETY VALVES — CONSOLIDATED 2" TYPE 151K 20
PSI MAX. FLUES BY PIPE THREADED U.S. COAST GUARD APPROVED
TENSILE STRENGTH 55,000 TO 60,000 PSI
ELONGATION IN 8" 22%
PHOSPHORUS MAX .04%
SULPHUR .03%
CARBON MAX 3%
MANGANESE 4%



SCOTCH BOILER PLAN
OWNER _____
MARITIME MUSEUM ASSOCIATION
OF
SAN DIEGO _____

PREPARED BY ARTHUR DE FEVER DATE NOV. 11, 1976

MEDEA
SCOTCH BOILER
PLAN
0201/1 DWR