

ADDITIONAL NOTES ABOUT THESE DRAWINGS:

1) PRESSURE GAUGE.
THE RANGE OF THE PRESSURE GAUGE TO BE DETERMENT AFTER MAXIMUM BOILER PRESSURE IS ESTABLISHED AND THE AVAILABILITY ON THE MARKET. THE PRESSURE GAUGE IS A PROPRIETY ITEM.

2) PIPING
PREFERABLY ALL PIPING TO BE COPPER. THE PIPING ON THE DRAWINGS ARE INDICATIVE ONLY. THE BUILDER TO ESTABLISH THE PIPE LENGTH AND ROUTE FROM WORK PIECE. THE PIPE SIZES ARE INDICATIVE ONLY. THE BUILDER TO ESTABLISH THE AVAILABILITY OF THE PIPE SIZE(S) FROM THE LOCAL SUPPLIER(S). THE PIPE NUT(S) TO BE ADJUSTED TO THE USED PIPE SIZE.

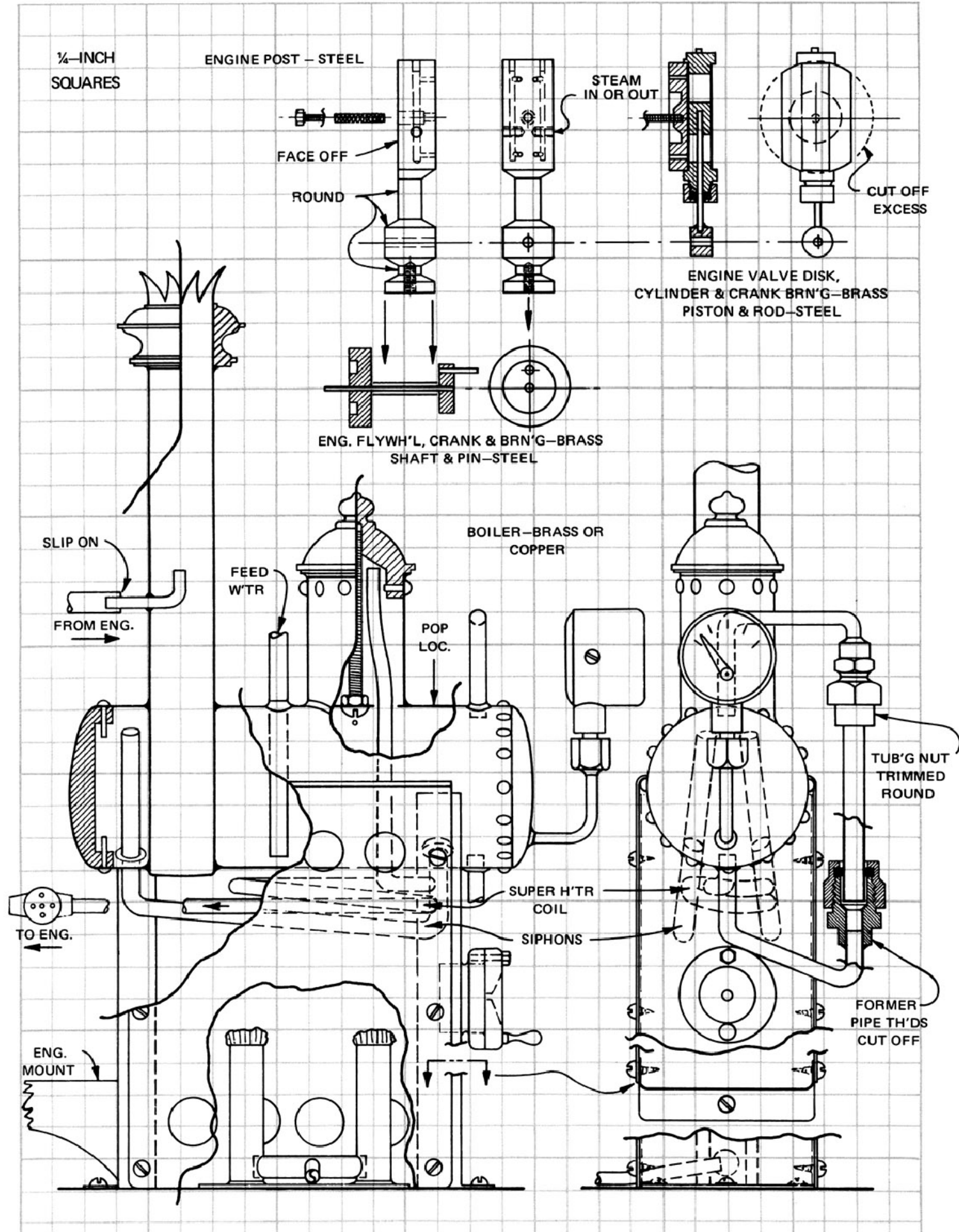
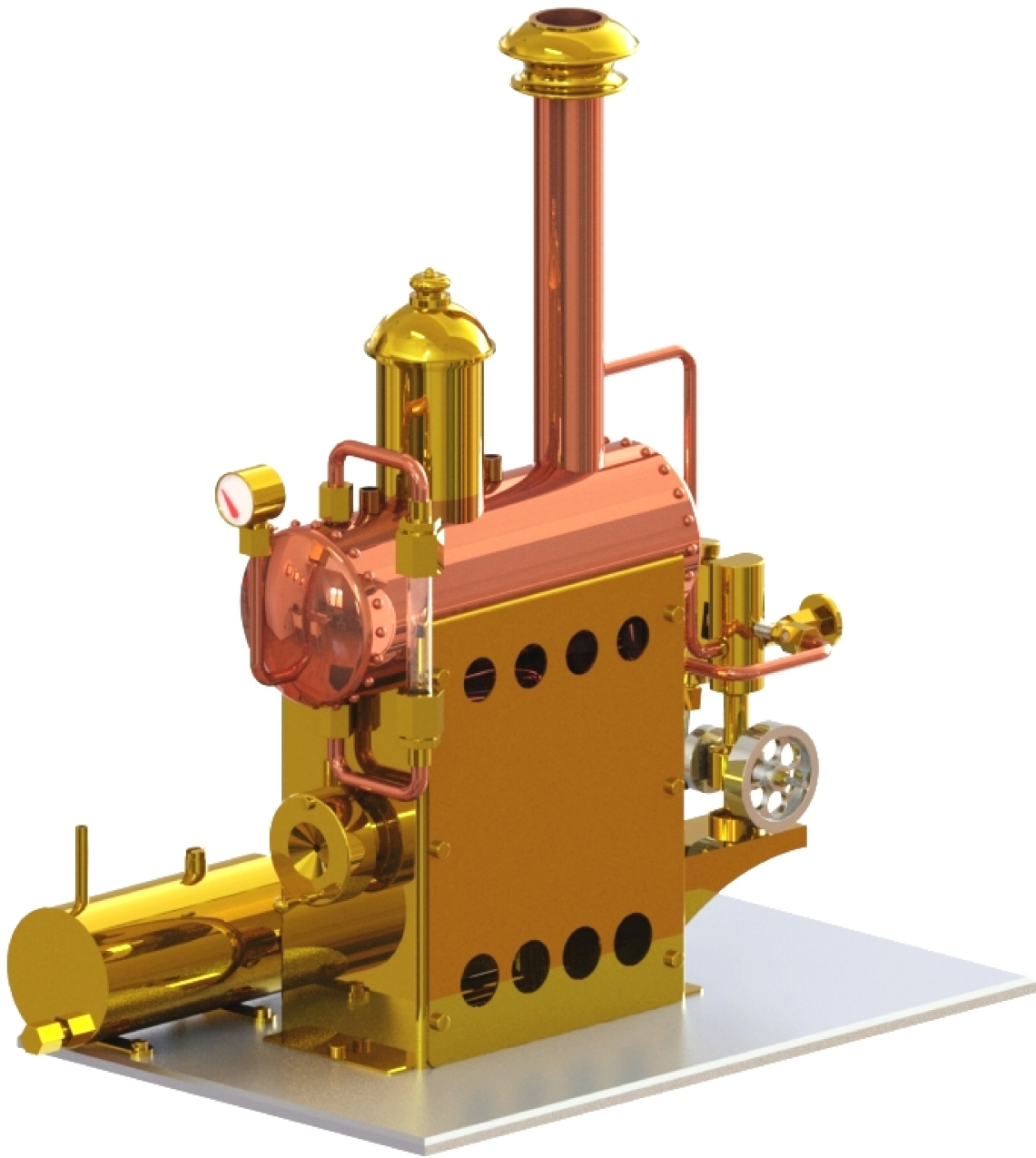
3) BOILER.
BEFORE STARTING: THE BOILER AS SHOWN ON THESE DRAWING SHOULD BE INSPECTED BY AN AUTHORISED PROFESSIONAL ENGINEER. THE RUNNING AND MAXIMUM BOILER PRESSURE TO BE CALCULATED. MAKE SURE THE THE BOILER FULLY COMPLIES WITH THE LOCAL RULES AND REGULATIONS OF MODEL BOILERS. A COMPLIANCE AND TEST CERTIFICATE SHOULD BE OBTAINED.
BOILER INSULATION AND BOILER CLADDING ARE NOT SHOWN ON THESE DRAWINGS.
IF BOILER INSULATION AND BOILER CLADDING ARE PREFERRED THEN THE THE FOLLOWING COULD BE CONSIDERED: INSULATION MATERIAL 2mm THICK AND CLADDING 0.5mm THICK.
THE BOILER STRAPS DIAMETER SHOULD BE ADJUSTED ACCORDINGLY.
THE BOILER DOME IS REMOVABLE SO THAT THERE IS ACCESS TO THE BOILER WATER FILLER HOLES.

4) SAFETY VALVE
A SAFETY VALVE IS NOT SHOWN ON THE DRAWINGS. THE BUILDER EITHER TO DESIGN AND BUILD ITS OWN SAFETY VALVE OR PURCHASE.

5) BOILER FEED WATER
A BOILER FEED WATER SYSTEM IS NOT SHOWN. IF THE BUILDER WISH TO INSTALL A FEED WATER SYSTEM THE HAND PUMP AND WATER CONTAINER HAVE TO BE DESIGNED OR PURCHASED. IF NO FEED WATER IS EMPLOYED THE BOILER NIPPLE SHOULD BE CLOSED WITH A STOP NUT

6) FUEL
THE FOLLOWING FUEL COULD BE USED: KEROSENE, SPIRIT, ALCOHOL

7) ENHANCEMENT
AN ON/OFF VALVE COULD BE PLACED IN THE FUEL SUPPLY LINE IF SO DESIRED.
A WHISTLE COULD BE INSTALLED. A PULLEY COULD BE INSTALLED ON THE FLYWHEEL SHAFT TO POWER OTHER EQUIPMENT.



NOTES: THIS DESIGN IS BASED ON A SKETCH WHICH I FOUND ON THE INTERNET. THE SKETCH AND ACCOMPANIED ARTICLE WERE BY W.MARSHALL BLACK. DATE AND MAGAZINE ARE UNKNOWN

TITLE
**A VERY SIMPLE STATIONARY STEAM PLANT
FOR BEGINNERS**

DRAWING CONTENTS
**RENDERED PICTURE AND ORIGINAL
SKETCH**

PROJECT No 01-36-00
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| PROJECTION DATE JULY 2019 | JDWDS Copyright © J.A.M. DE WAAL PAKAPURA NZ | MODEL SCALE: 1:1 DWG SCALE: 1:1 @A3 OR AS SHOWN |
| SHEET: 04 OF 04 | | A3 No: 01-36-00-SHT04 |

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