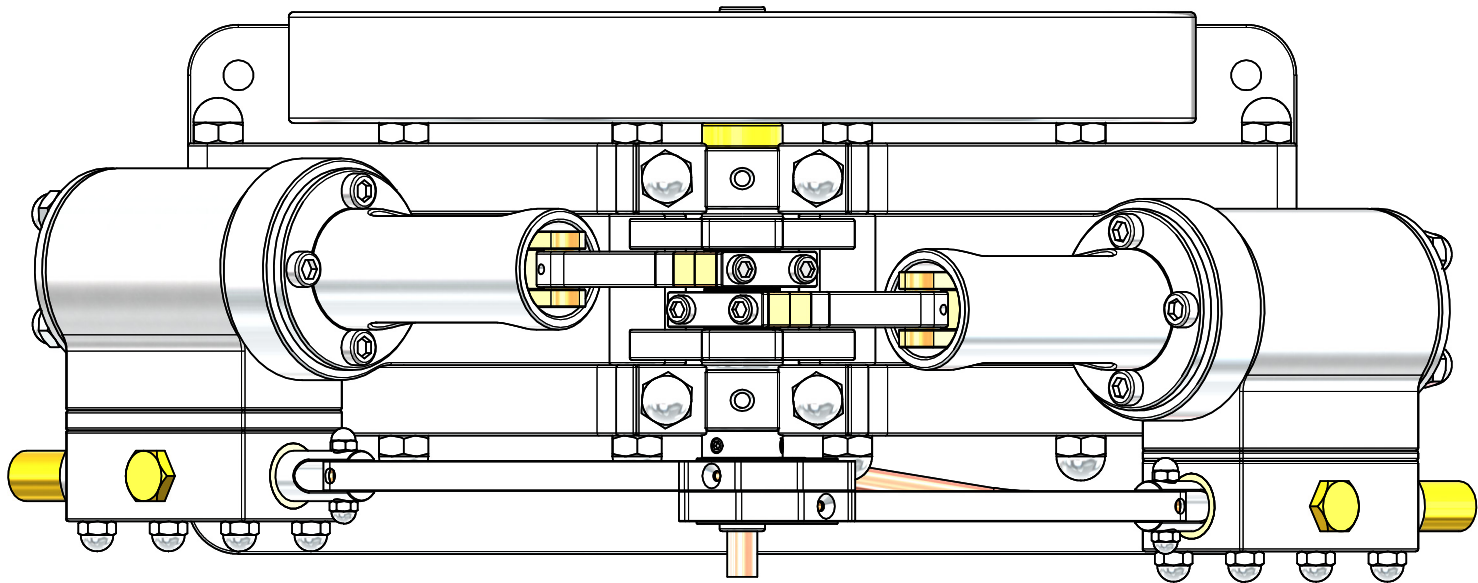


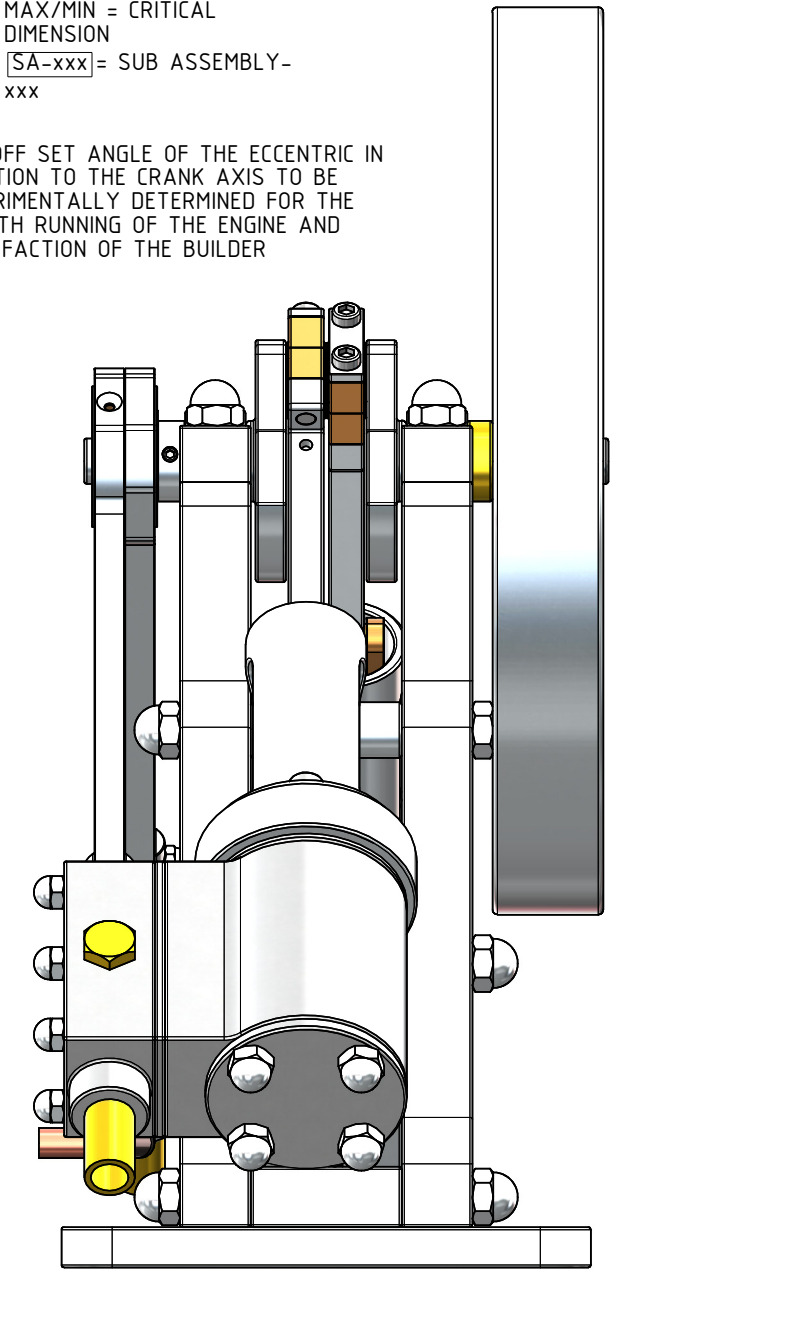
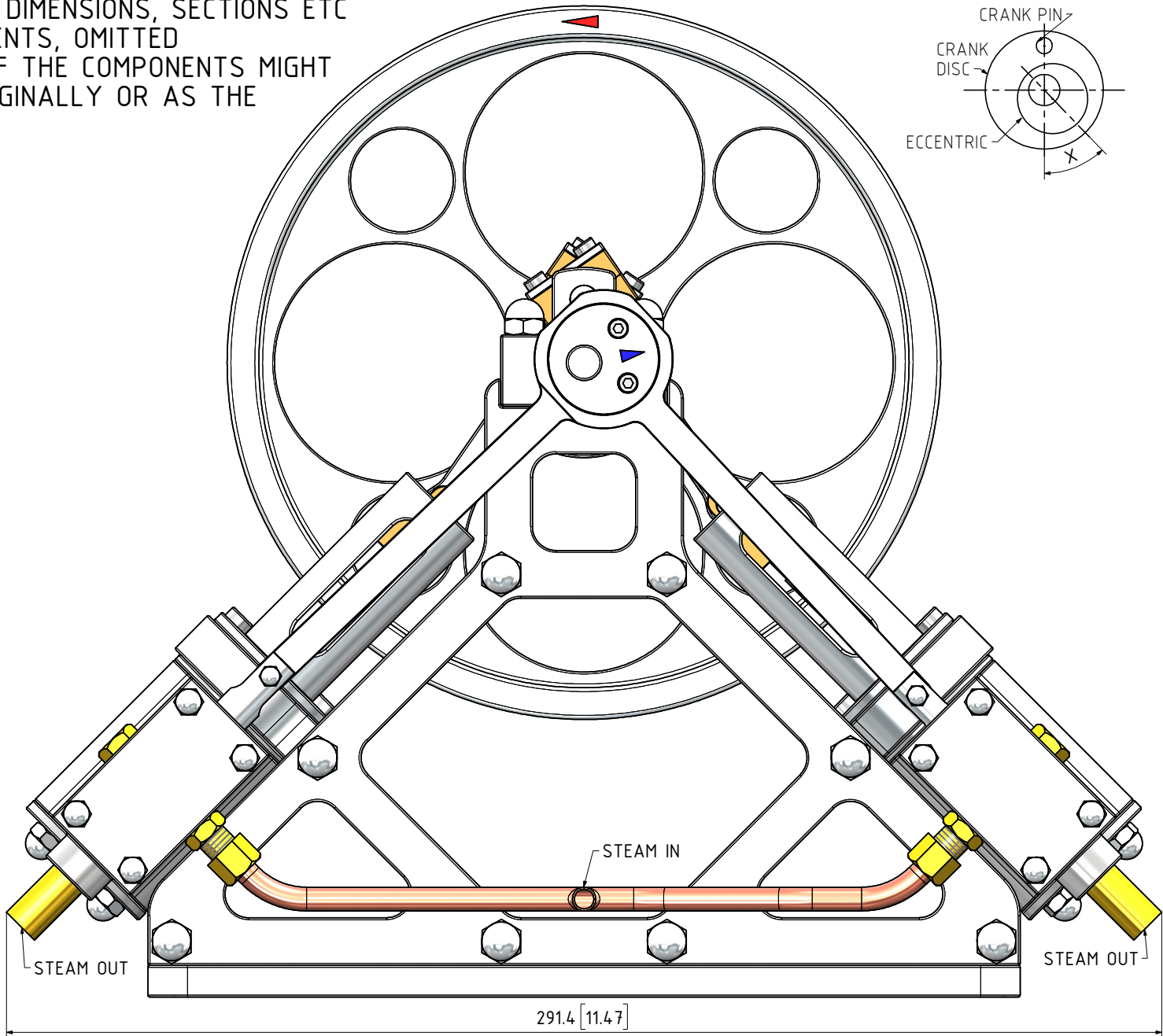
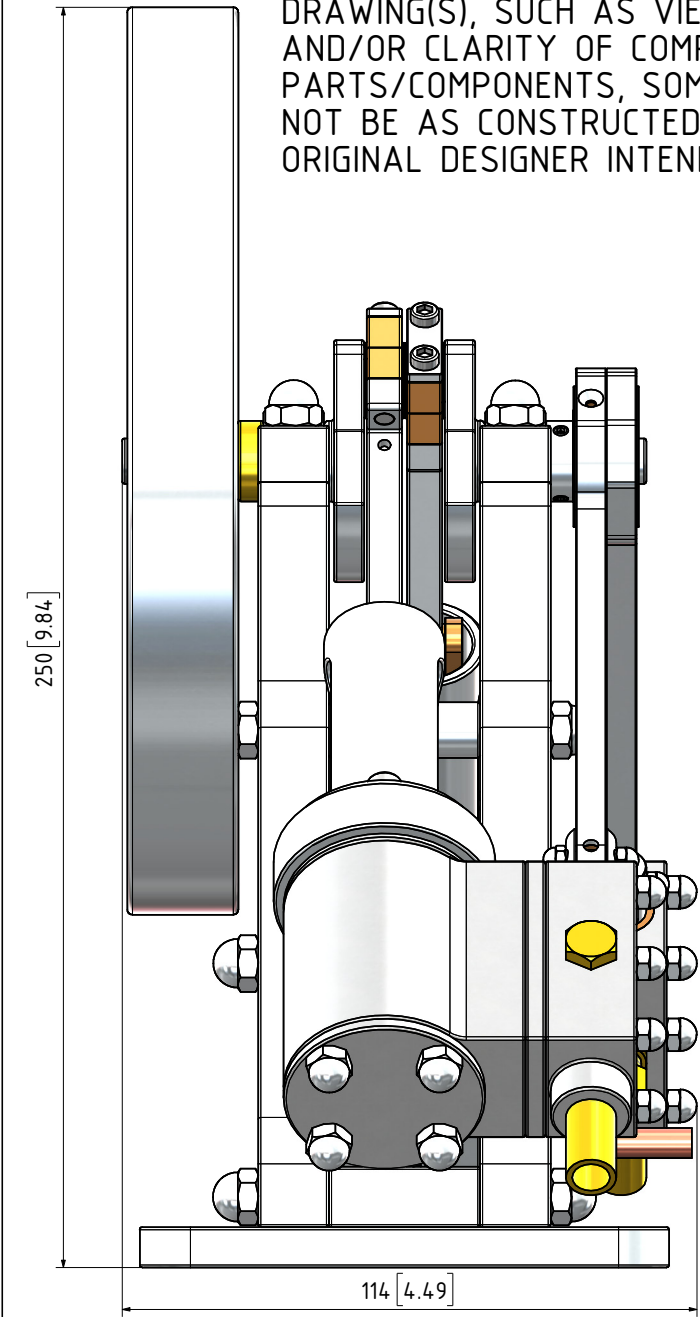
QTY.	PART NUMBER
1	09E-73-00-1-01-BASE+ENGINE FRAME
2	09E-73-00-1-02-CYLINDER HOLDIN BRACKET
1	09E-73-00-1-03-CYLINDER+VALVE CHEST
1	09E-73-00-1-04-CYLINDER+VALVE CHEST
2	09E-73-00-1-05-CROSS HEAD TRUNK GUIDE
1	09E-73-00-1-06-STEAM SUPPLY PIPE
1	09E-73-00-2-01-CRANK SHAFT+FLYWHEEL
2	09E-73-00-2-02-PISTON+CROSSHEAD
2	09E-73-00-2-03-CON-ROD
2	09E-73-00-2-04-SPOOLVALVE
2	09E-73-00-2-05-ECCENTRIC STRAP
4	09E-73-00-M3 DOME NUT
2	09E-73-00-M3x13 A-K C-SINK SCREW
3	09E-73-00-M3x3.5 A-K GRUB SCREW
2	09E-73-00-M4 NUT
2	09E-73-00-M4x24 A-K C-SINK SCREW
4	09E-73-00-M4x24 A-K CYL HEAD SCREW
8	09E-73-00-M4x28 DOME HEAD SCREW
1	09E-73-00-M4x8 A-K GRUB SCREW
8	09E-73-00-M5x14 A-K CYL HEAD SCREW
8	09E-73-00-M5x67 DOME HEAD SCREW
20	09E-73-00-M6x26 DOME HEAD SCREW



OTHER ABBREVIATIONS
AS = AS SHOWN
DP = DEEP
DAA= DRILL AFTER
ASSEMBLY
D&TAA= DRILL AND TAP
AFTER ASSEMBLY
CF = CLOSE FIT (SIZE FOR
SIZE)
PF = PRESS FIT
PFAA= PRESS FIT AFTER
ASSEMBLY
PCD = PITCH CIRCLE DIAMETER
RM = REAM
HEX = HEXACON, 6SIDED
CP = COMPRESSED
KNL = KNURLED
CSK = COUNTERSINK
PL = PLACES
DWL= DOWEL
SPF= SPOTFACE
(T)HESOP=(TAPPED)HOLES
EQUALLY SPACED ON PCD
(T)HESOC=(TAPPED)HOLES
EQUALLY SPACED ON
CIRCUMFERENCE
OD = OUTSIDE DIAMETER
ID = INSIDE DIAMETER
MAX/MIN = CRITICAL
DIMENSION
[SA-xxx]= SUB ASSEMBLY-
xxx

MATERIAL ABBREVIATIONS:
ALU = ALUMINIUM
HALU= HARD ALUMINIUM
BRS = BRASS
PBRZ= PHOSPHORE BRONZE
BRZ = BRONZE OR GUNMETAL
(BRZ/GM)
OLT = OILITE
CI = CAST IRON
CU = COPPER
GRA = GRAPHITE
MS = MILD STEEL/BRIGHT MILD STEEL
SS = SILVER STEEL OR STAINLESS
STEEL
SPS = SPRING STEEL
PEEK= POLYETHER ETHER KETONE
SYN = SYNTHETIC MATERIAL SUCH AS
VETON, NYLON, TEFLON OR RUBBER
IN GENERAL SYNTHETIC
MATERIALS SHOULD BE ABLE TO
WITHSTAND THE HEAT AND
PRESSURE(S) APPLIED TO THEM.
nnn/nnn MEANS THAT EITHER
MATERIAL CAN BE USED

DUE TO THE LACK OF INFORMATION ON THE ORIGINAL
DRAWING(S), SUCH AS VIEWS, DIMENSIONS, SECTIONS ETC
AND/OR CLARITY OF COMPONENTS, OMITTED
PARTS/COMPONENTS, SOME OF THE COMPONENTS MIGHT
NOT BE AS CONSTRUCTED ORIGINALLY OR AS THE
ORIGINAL DESIGNER INTENDED



NOTES: THE ENGINE SHOWN ON THESE DRAWINGS ARE LOOSLY BASED ON A UNDIMENSIONED DRAWING AND PICTURES WHICH I FOUND ON THE INTERNET. THE DRAWING WAS DRAWN BY SIMON ROWLEY, AND DATED APRIL-2021. NO SCALE INDICATED.			PROJECT No 09E-73-00		PROJECTION		MODEL SCALE: 1:1	
TITLE			JDW DRAUGHTING SERVICES		DATE		DWG SCALE: 1:1 @A3 OR AS SHOWN	
2 CYLINDER NON REVERSABLE INVERTED "V" STEAM ENGINE (BORE=22mm STROKE=32mm)			J.A.M. DE WAAL. 12 BRIGHTWELL STREET PAKAPURA		AUGUST 2025		Copyright © J.A.M. DE WAAL PAKAPURA NZ	
DRAWING CONTENTS			2110, NEW ZEALAND. PHONE: 0064 09 2988815. MOB:		SHEET: 01 OF 04		A3	
GENERAL ARRANGEMENT, NOTES, BILL OF MATERIALS			0211791000 E-MAIL: dewaal@xtra.co.nz.				No:09E-73-00-SHT-01	

DRAWINGS ARE FOR PERSONAL USE ONLY NOT FOR COMMERCIAL PURPOSES