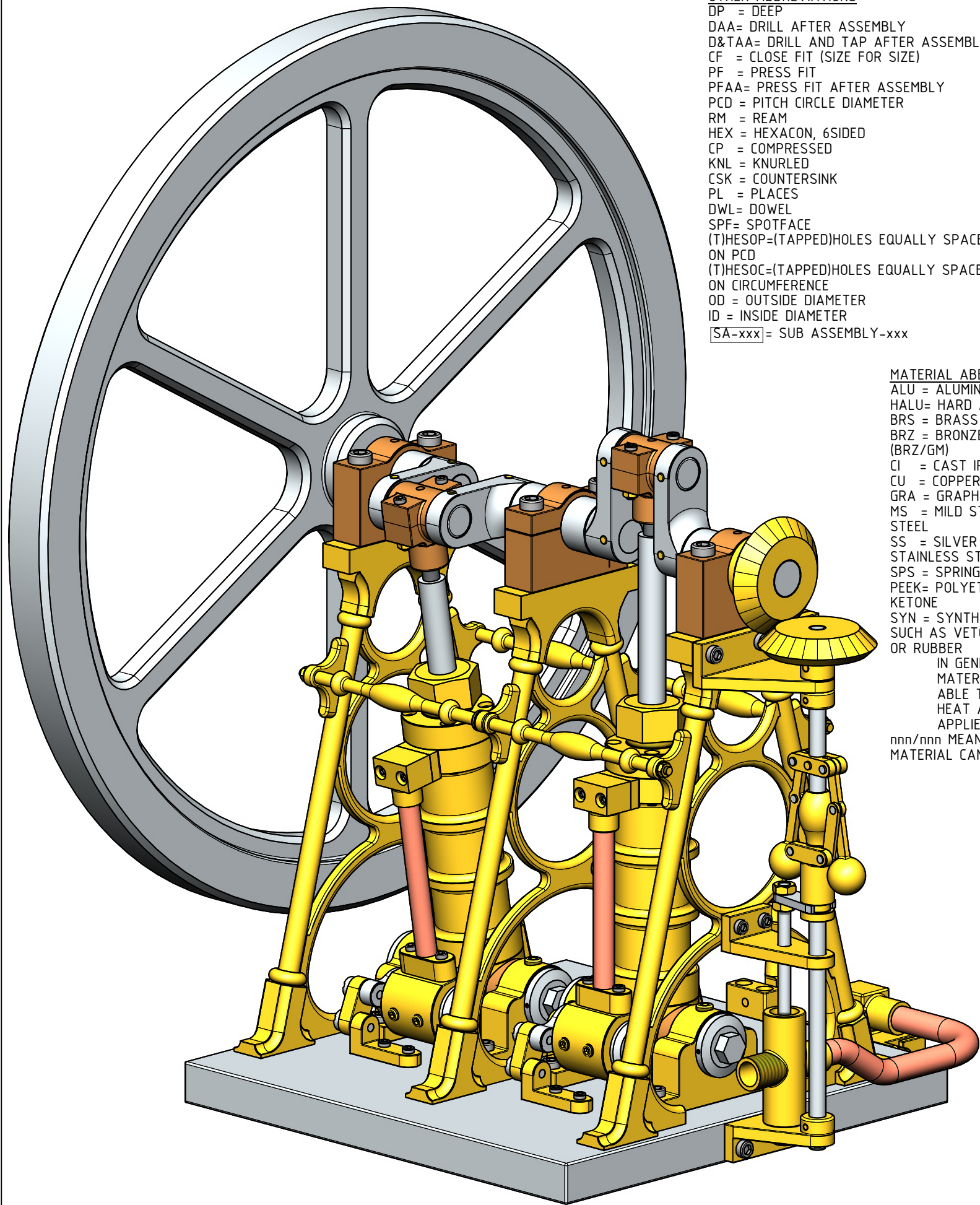
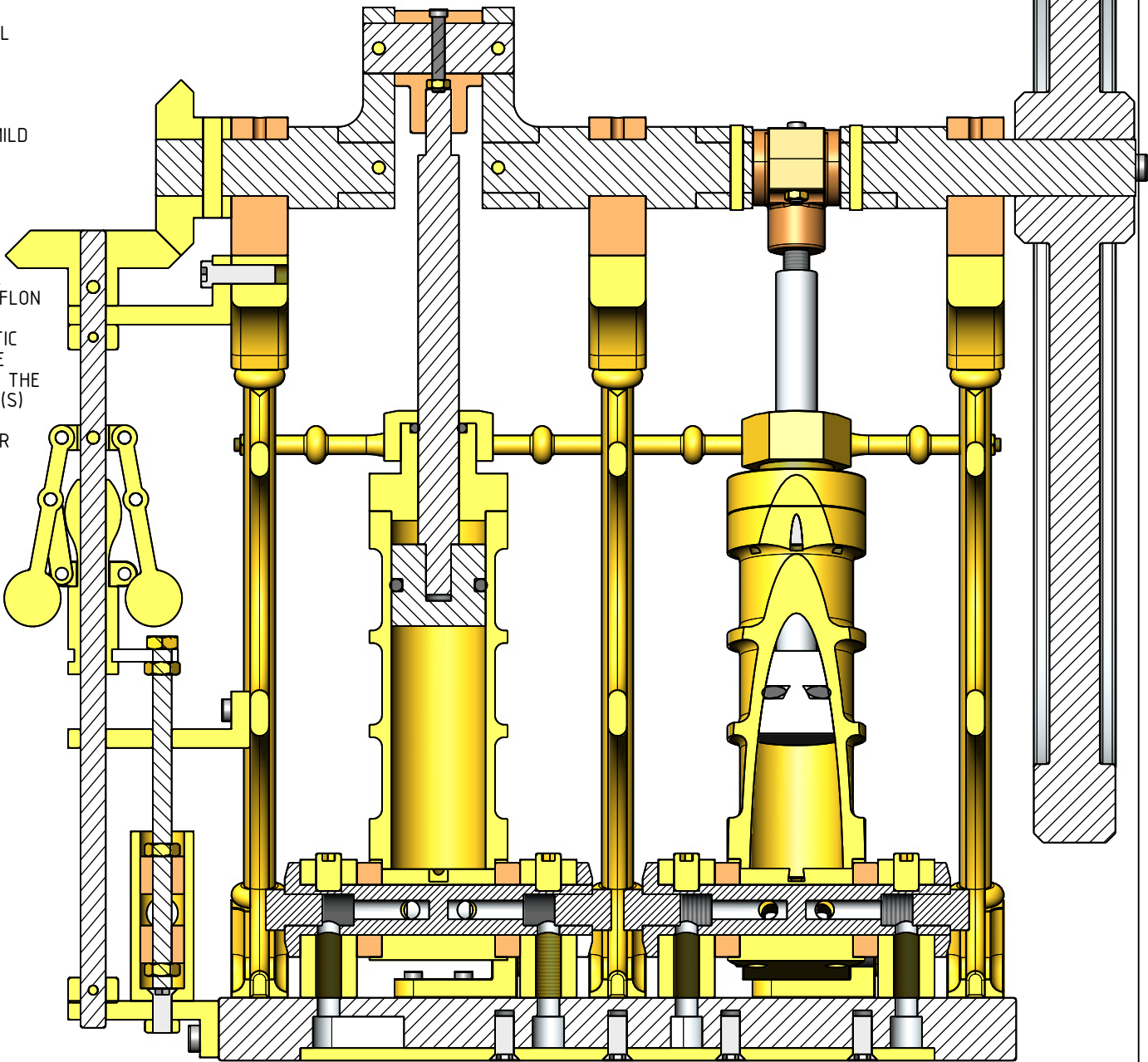




OTHER ABBREVIATIONS
DP = DEEP
DAA= DRILL AFTER ASSEMBLY
D&TAA= DRILL AND TAP AFTER ASSEMBLY
CF = CLOSE FIT (SIZE FOR SIZE)
PF = PRESS FIT
PFAA= PRESS FIT AFTER ASSEMBLY
PCD = PITCH CIRCLE DIAMETER
RM = REAM
HEX = HEXACON, 6SIDED
CP = COMPRESSED
KNL = KNURLED
CSK = COUNTERSINK
PL = PLACES
DWL= DOWEL
SPF=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

MATERIAL ABBREVIATIONS:
ALU = ALUMINIUM
HALU= HARD ALUMINIUM
BRS = BRASS
BRZ = BRONZE OR GUNMETAL (BRZ/GM)
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

QTY	PART NUMBER	QTY	PART NUMBER
1	09A-25-01-1-01-BASE PLATE	1	09A-25-01-2-07-REVERSING VALVE
2	09A-25-01-1-02-A-FRAME	1	09A-25-01-2-08-REVERSING VALVE LINK
1	09A-25-01-1-02-A-FRAME	1	09A-25-01-2-09-REVERSING VALVE LEVER
4	09A-25-01-1-03-BASE PLATE TRUNNION BEARING	1	09A-25-01-2-10-FLYWHEEL
2	09A-25-01-1-04A-CRANKSHAFT OUTER BEARING	1	09A-25-01-2-11-GVNR CRANK SHAFT GEAR WHEEL
1	09A-25-01-1-04B-CRANKSHAFT CENTER BEARING	1	09A-25-01-2-12-GVNR VERTICAL SHAFT GEAR WHEEL
2	09A-25-01-1-05-TRUNNION BEARING SHAFT	2	09A-25-01-2-13-GVNR FLYWEIGHT
2	09A-25-01-1-06-LINK BRACKET	1	09A-25-01-2-14-GVNR SLIDING COLLAR
1	09A-25-01-1-07-REVERSING LEVER MOUNTING BLOCK	2	09A-25-01-2-15-GVNR LINK PLATE
1	09A-25-01-1-08-REVERSING VALVE BODY	1	09A-25-01-2-16-GVNR COLLAR SLIDE FORK
2	09A-25-01-1-09-A-FRAME CROSS BAR	8	09A-25-01-M2 NUT-BRASS
2	09A-25-01-1-09-A-FRAME CROSS BAR	4	09A-25-01-M2 WASHER-BRASS
1	09A-25-01-1-10-GVNR GEAR WHEEL BRACKET	2	09A-25-01-M2.5x6 A-K CYL HEAD SCREW
1	09A-25-01-1-11-GVNR LOWER SPINDLE BRACKET	24	09A-25-01-M2x10 A-K CYL HEAD SCREW
1	09A-25-01-1-12-GVNR MIDDLE SPINDLE BRACKET	2	09A-25-01-M2x4 A-K GRUB SCREW
1	09A-25-01-1-13-STEAM CONTROL VALVE BODY	2	09A-25-01-M2x6 A-K CYL HEAD SCREW
1	09A-25-01-1-14-STEAM SUPPLY PIPE	4	09A-25-01-M2x8 A-K CYL HEAD SCREW
1	09A-25-01-2-01-CRANKSHAFT	5	09A-25-01-M3 NUT-BRASS
2	09A-25-01-2-02-CYLINDER	6	09A-25-01-M3x10 A-K CYL HEAD SCREW
2	09A-25-01-2-03-CYLINDER BOTTOM SWIVEL COVER	8	09A-25-01-M3x14 A-K CYL HEAD SCREW
2	09A-25-01-2-04-PISTON+CON-ROD	4	09A-25-01-M3x5 A-K GRUB SCREW
2	09A-25-01-2-05-ROTARY VALVE	8	09A-25-01-M3x7 A-K C-SINK SCREW
2	09A-25-01-2-06-VALVE LINK	6	09A-25-01-M4x10 A-K CYL HEAD SCREW
		6	09A-25-01-M4x28 A-K CYL HEAD SCREW
		4	09A-25-01-M4x6 A-K GRUB SCREW-BRASS
		4	09A-25-01-M2x14 A-K CYL HEAD SCREW



NOTES: THIS DESIGN IS BASED ON A DRAWING WHICH WAS GIVEN TO ME. THE ORIGINAL DESIGN AND DRAWING IS SHOWN ON SHEET-A

TITLE
A MODEL OF A MAUDSLAY TWIN CYLINDER
VERTICAL MARINE TYPE STEAM ENGINE

DRAWING CONTENTS
ISOMETRIC VIEW, SECTION, NOTES
AND BILL OF MATERIALS

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PROJECTION
DATE
OCTOBER 2019
SHEET: 01 OF 05
JDWDS
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MODEL SCALE: 1:1
DWG SCALE: 1:1 @A3 OR AS SHOWN
A3 No: 09A-25-01-SHT02

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