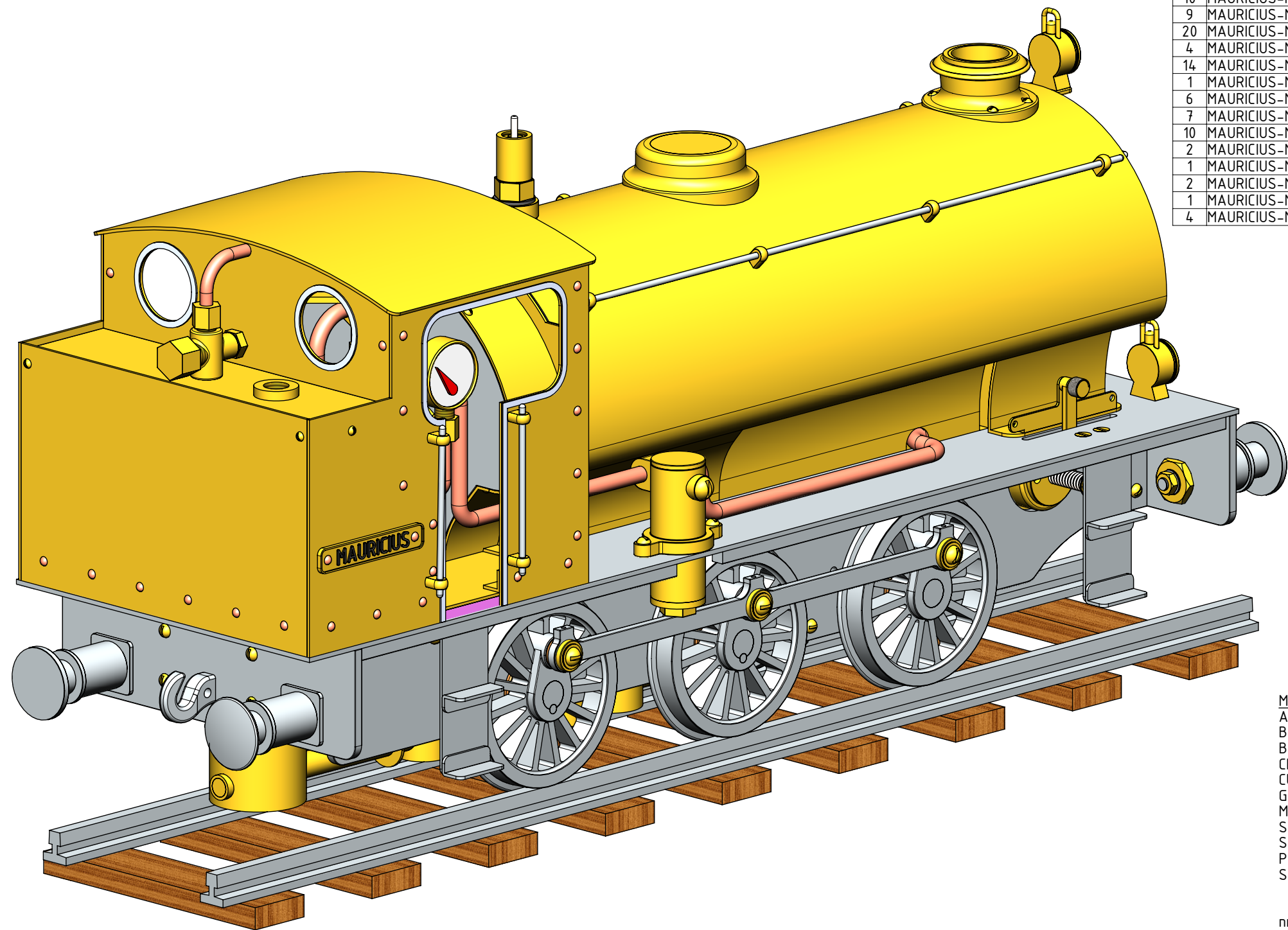


NOTES:
0. ALL DRAWINGS ARE IN METRIC MEASUREMENTS
1. ALL ENGINEERING PRACTICES SHALL BE APPLIED WITH REGARDS TO HOLE AND SHAFT TOLERANCES.
2. WHERE SCREWS OR BOLTS ARE USED THE CLEARANCE HOLES SHALL BE APPROXIMATELY 5% TO 8% LARGER THAN THE MATCHING TAPPED HOLE.
3. PREFERABLY ALL TAPPED HOLES AND MATCHING SCREWS AND/OR BOLTS TO BE METRIC FINE (MF)
4. MATERIALS SPECIFIED ON THE DRAWINGS ARE INDICATIVE ONLY. THE BUILDER CAN MAKE HIS/HER OWN MATERIAL CHOICE.
5. ALL CONNECTIONS/JOINTS WHICH HAVE STEAM PRESSURE APPLIED TO IT SHALL BE SILVER/HARD SOLDERED.
6. COMPRESSION SPRINGS ARE DRAWN IN COMPRESSED STATE (CP), UNCOMPRESSED STATE IS APPROX 40% TO 60% LONGER THEN COMPRESSED STATE.
7. WHERE PREFERRED SCREW OR RIVETED CONNECTIONS CAN BE OMITTED AND PARTS CAN BE BONDED TOGETHER BY USING EITHER HIGH STRENGTH GLUE, EPOXY RESIN, OR SOLDER.
8. PARTS WHICH ARE DIRECTLY EXPOSED TO STEAM AND/OR WATER SHOULD BE CONSTRUCTED USING NON-FERROUS OR NON CORROSIVE MATERIAL SUCH AS BRASS, BRONZE, GUNMETAL, STAINLESS STEEL, COPPER OR MONEL.
9. THE ORDER IN WHICH THE PARTS/COMPONENTS ARE MANUFACTURED AND THE MODEL IS ASSEMBLED IS ENTIRELY LEFT TO THE BUILDER/MODEL MAKER.
10. A COLOUR SCHEME FOR THIS PROJECT IS ENTIRELY LEFT UP TO THE MODEL MAKER.
11. THE MANNER IN WHICH THE PARTS/COMPONENTS ARE MANUFACTURED IS ENTIRELY LEFT UP TO THE BUILDER.
12. USE LOCTITE, ON SCREW OR PRESS FIT CONNECTIONS OR SURFACES, WERE DEEMED NECESSARY TO PREVENT PARTS FROM LOOSENING.
13. WASHER SHALL BE USED WHERE DEEMED NECESSARY.
14. IN QUIRE AT THE APPROPRIATE AUTHORITIES WHETHER OR NOT THIS BOILER REQUIRES A PRESSURE TEST CERTIFICATE
XX. ERRORS AND/OR OMISSIONS MAY OCCUR IN THE DRAWINGS, DO NOT HESITATE TO CONTACT ME SO THAT THE ERRORS/OMISSIONS CAN BE RECTIFIED.



QTY.	PART NUMBER	QTY.	PART NUMBER
1	MAURICIUS-5-01-FLOOR INSULATION LINING	1	MAURICIUS-1-01-SIDE FRAME
1	MAURICIUS-5-02-CABIN FLOOR PLATE	1	MAURICIUS-1-01-SIDE FRAME
1	MAURICIUS-5-03-CABIN FRONT PLATE	1	MAURICIUS-1-02-FRONT BUFFER BEAM
1	MAURICIUS-5-04-CABIN REAR PLATE	1	MAURICIUS-1-03-REAR BUFFER BEAM
1	MAURICIUS-5-05-CABIN SIDE PLATE	2	MAURICIUS-1-04-BUFFER TYPE-1
1	MAURICIUS-5-05-CABIN SIDE PLATE	2	MAURICIUS-1-05-BUFFER TYPE-2
1	MAURICIUS-5-06-LIQUID CONTAINER REAR PLATE	2	MAURICIUS-1-06-PULLING HOOK
1	MAURICIUS-5-07-LIQUID CONTAINER TOP PLATE	1	MAURICIUS-1-07-PORT BLOCK MOUNTING BRACKET
1	MAURICIUS-5-08-CABIN ROOF	1	MAURICIUS-1-08-PORT BLOCK
8	MAURICIUS-5-09-CABIN HAND RAIL SUPPORT	1	MAURICIUS-1-09-REAR TOP CROSS BRACE
4	MAURICIUS-5-10-CABIN HAND RAIL	1	MAURICIUS-1-10-FRONT BOTTOM CROSS BRACE
2	MAURICIUS-5-11-NAME PLATE	1	MAURICIUS-1-11-BOILER REAR MOUNTING PLATE
QTY.	PART NUMBER	3	MAURICIUS-1-12-LARGE BURNER
1	MAURICIUS--64mm-RAIL	1	MAURICIUS-1-13-SMALL BURNER
2	MAURICIUS-M2.5x6 ROUND HEAD SCREW	1	MAURICIUS-1-14-FUEL SUPPLY TANK
64	MAURICIUS-M2x2-ROUND HEAD RIVET	1	MAURICIUS-1-15-BURNER SUPPLY PIPE
17	MAURICIUS-M2x4 ROUND HEAD SCREW	1	MAURICIUS-1-16-FUEL SUPPLY TANK VALVE
46	MAURICIUS-M3 NUT	2	MAURICIUS-1-17-FRONT FOOT PLATE BRACKET
1	MAURICIUS-M3x4 GRUB SREW	2	MAURICIUS-1-18-REAR FOOT PLATE BRACKET
10	MAURICIUS-M3x5 C-SINK SCREW	1	MAURICIUS-1-19-EXHAUST STEAM BLOCK
9	MAURICIUS-M3x6 ROUND HEAD SCREW	QTY.	PART NUMBER
20	MAURICIUS-M3x8 ROUND HEAD SCREW	2	MAURICIUS-2-01-WHEEL AXLE+WHEELS
4	MAURICIUS-M3x10 C-SINK SCREW	1	MAURICIUS-2-01-WHEEL AXLE+WHEELS
14	MAURICIUS-M3x10 ROUND HEAD SCREW	1	MAURICIUS-2-02-DRIVEN WHEEL AXLE GEAR WHEEL
1	MAURICIUS-M3x11 GRUB SREW	2	MAURICIUS-2-03-COUPLING ROD
6	MAURICIUS-M4 NUT	1	MAURICIUS-2-04-CRANK PLATE+GEAR
7	MAURICIUS-M4 WASHER	1	MAURICIUS-2-05-CYLINDER
10	MAURICIUS-M4x8 ROUND HEAD SCREW	1	MAURICIUS-2-06-PISTON
2	MAURICIUS-M5 NUT	1	MAURICIUS-2-07-REVERSER TOP
1	MAURICIUS-M5x6 ROUND HEAD SCREW	1	MAURICIUS-2-08-PRESSURE SPRING
2	MAURICIUS-M5x22 ROUND HEAD SCREW	1	MAURICIUS-2-09-REVERSER LOCKING SCREW
1	MAURICIUS-M6x4 PLUG SREW	QTY.	PART NUMBER
4	MAURICIUS-M8 NUT SPECIAL	1	MAURICIUS-3-01-FOOTPLATE

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
(T)HESOP=(TAPPED)HOLES EQUALLY SPACED ON PCD
(T)HESOC=(TAPPED)HOLES EQUALLY SPACED ON CIRCUMFERENCE
[SA-xxx]= SUB ASSEMBLY-xxx

MATERIAL ABBREVIATIONS:
ALU = ALUMINIUM
BRS = BRASS
BRZ = BRONZE OR GUNMETAL (BRZ/GM)
CI = CAST IRON
CU = COPPER
GRA = GRAPHITE
MS = MILD STEEL/BRIGHT MILD STEEL
S/S = 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 SOULD BE ABLE TO WITHSTAND THE HEAT AND PRESSURE(S) APPLIED TO THEM.
nnn/nnn MEANS THAT EITHER MATERIAL CAN BE USED

QTY.	PART NUMBER
1	MAURICIUS-3-01-FOOTPLATE
4	MAURICIUS-3-02-STEPS
1	MAURICIUS-3-03-OILER HOUSING
3	MAURICIUS-3-04-LANTARN
1	MAURICIUS-3-05-AIR TANK
1	MAURICIUS-3-06-OILER TO PORT BLOCK PIPE
1	MAURICIUS-3-07-FLAME PROTECTOR
1	MAURICIUS-3-08-SMOKE BOX
1	MAURICIUS-3-09-SMOKE BOX DOOR
1	MAURICIUS-3-10-SMOKE BOX DOOR LOCKING SCREW
1	MAURICIUS-3-11-LH-BOILER SIDE COVER
1	MAURICIUS-3-12-RH-BOILER SIDE COVER
1	MAURICIUS-3-13-BLOWER PIPE
1	MAURICIUS-3-14-FWD-REV BRACKET
QTY.	PART NUMBER
1	MAURICIUS-4-01-BOILER SHELL
1	MAURICIUS-4-02-STEAM COLLECTOR SCREW
1	MAURICIUS-4-03-SADDLE TANK COVER
10	MAURICIUS-4-04-HAND RAIL SUPPORT
1	MAURICIUS-4-05-FRONT HAND RAIL
2	MAURICIUS-4-06-SIDE HAND RAIL
1	MAURICIUS-4-07-CHIMNEY
1	MAURICIUS-4-08-STEAM DOME
1	MAURICIUS-4-09-STEAM MANIFOLD
1	MAURICIUS-4-10-BLOWER VALVE
1	MAURICIUS-4-11-BLOWER VALVE PIPE
1	MAURICIUS-4-12-STEAM SUPPLY VALVE
3	MAURICIUS-4-13-M8x5x8 PIPE NUT
1	MAURICIUS-4-14-STEAM SUPPLY VALVE SPINDLE NUT
1	MAURICIUS-4-15-STEAM SUPPLY PIPE
1	MAURICIUS-4-16-PRESSURE GAUGE
1	MAURICIUS-4-17-SAFETY VALVE
1	MAURICIUS-4-18-FEED WATER SUPPLY RING
3	MAURICIUS-4-19-M6x4x7 PIPE NUT
1	MAURICIUS-4-20-EXT FD PMP CONNECTOR HOUSING
1	MAURICIUS-4-21-M8x8 STOP NUT

NOTES: THIS LOCO IS LOOSELY BASED ON DRAWINGS/SKETCHES/PICTURES FOUND ON THE INTERET AND AN OLD MODEL ENGINEERING MAGAZINE.

TITLE
A SPIRIT FIRED SIMPLE 0-6-0 SADDLE TANK
STEAM LOCOMOTIVE GAUGE-3 (2.5"-64mm)

DRAWING CONTENTS
ISOMETRIC VIEW, BILL OF
MATERIAL AND NOTES

PROJECT No 07B-14-00	PROJECTION DATE AUGUST-2017	JDWDS Copyright © J.A.M. DE WAAL PAPAKURA NZ	MODEL SCALE: 1:1 DWG SCALE: 1:1 @A3 OR AS SHOWN
JDW DRAUGHTING SERVICES J.A.M. DE WAAL, 12 BRIGHTWELL STREET PAPAKURA 2110. NEW ZEALAND. PHONE: 0064 09 2988815. MOB: 0211791000 E-MAIL: dewaal@xtra.co.nz.	SHEET: 02 OF 08	A3	No: MAURICIUS-02