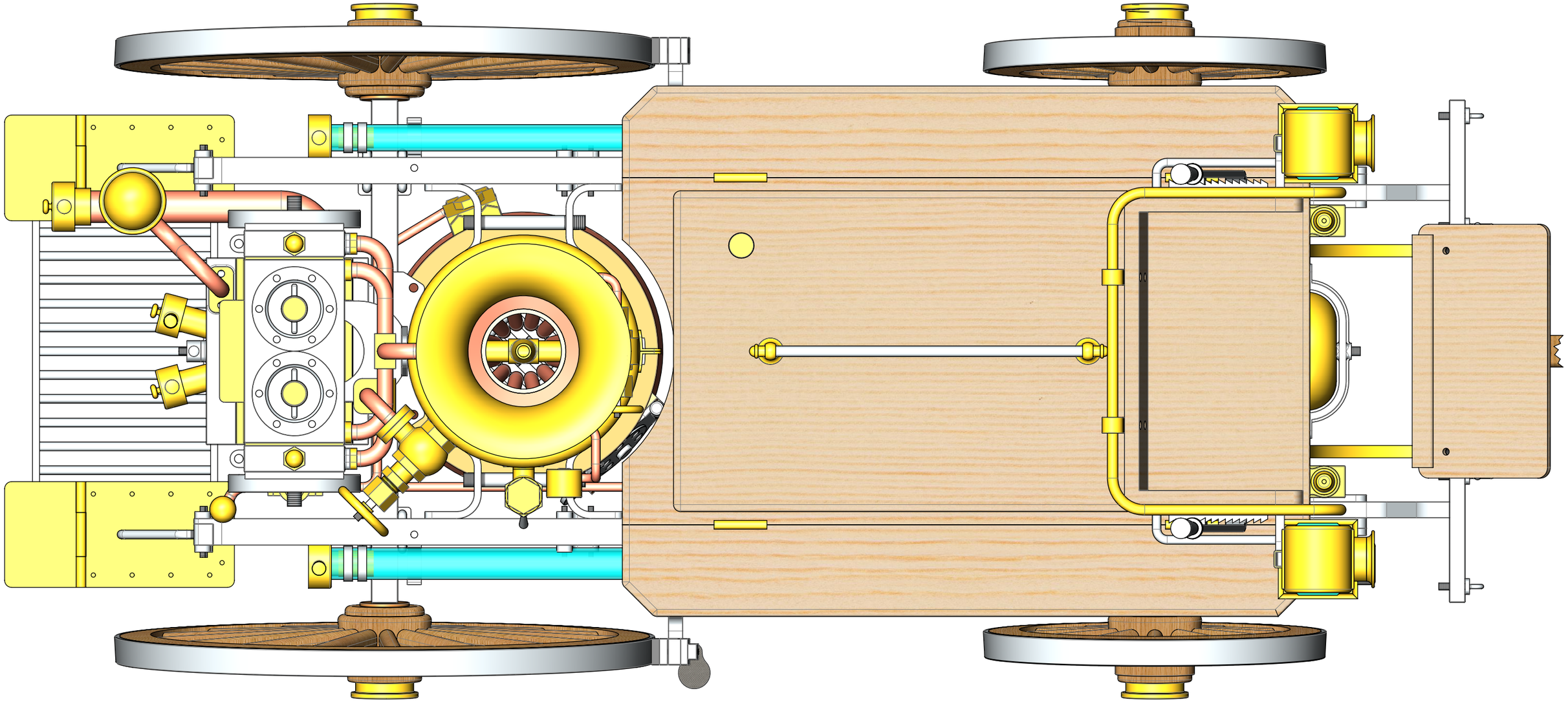

QTY.	PART NUMBER	QTY.	PART NUMBER	QTY.	PART NUMBER	QTY.	PART NUMBER
1	08-16-00-1-01-CHASSIS FRAME	2	08-16-00-1-24-LAMP	1	08-16-00-2-16-CHECK VALVE	1	08-16-00-3-21-WTR TANK-FEED PMP DELIVERY PIPE
1	08-16-00-1-02-FRONT BOGIE PIVOT PLATFORM	2	08-16-00-1-25-REAR TOOLBOX-FEED TANK HANGER	1	08-16-00-2-19-PRESSURE GAUGE+PIPIING	1	08-16-00-3-22-FEED PUMP DISCHARGE PIPE
1	08-16-00-1-03-REAR WHEEL AXLE	1	08-16-00-1-26-REAR TOOLBOX-TANK +PLATFORM	1	08-16-00-2-17-BOILER BOTTOM CLADDING	1	08-16-00-3-23-COVER CAP-1
1	08-16-00-1-04-FRONT BOGIE FRAME	2	08-16-00-1-27-BRAKE LEVER CON-ROD	1	08-16-00-2-18-BOILER TOP CLADDING	2	08-16-00-3-24-COVER CAP-2
2	08-16-00-1-05-FRONT BOGIE LEAF SPRING	1	08-16-00-1-28-BRAKE HANDLE	1	08-16-00-3-01-CYLINDER BLOCK	2	08-16-00-4-01-STEAM ENGINE+PUMP PISTON
1	08-16-00-1-06-BOGIE WHEEL AXLE	1	08-16-00-1-28-BRAKE HANDLE	2	08-16-00-3-02-CYLINDER BLOCK TOP COVER	2	08-16-00-4-02-DIE BLOCK
2	08-16-00-1-07-FRONT BOGIE EYEBOLT	2	08-16-00-1-29-FRONT WHEEL	2	08-16-00-3-03-CYLINDER BLOCK BOTTOM COVER	1	08-16-00-4-03-CRANKSHAFT
2	08-16-00-1-08-FRONT BOGIE HOOK	2	08-16-00-1-30-REAR WHEEL	1	08-16-00-3-04-MAIN PUMP BLOCK.	1	08-16-00-4-04-FLYWHEEL+ECCENTRIC
1	08-16-00-1-09-FRONT BOGIE HORSE BOOM HOLDER	1	08-16-00-1-31-SUCTION HOSE	2	08-16-00-3-05-MAIN PUMP BOTTOM COVER	1	08-16-00-4-04-FLYWHEEL+ECCENTRIC
1	08-16-00-1-10-COAL BUNKER	1	08-16-00-1-32-DISCHARGE HOSE	2	08-16-00-3-06-MAIN PUMP TOP COVER	1	08-16-00-4-05-SLIDE VALVE+FEED PUMP PISTON
2	08-16-00-1-11-BRAKE TENSION EYE BOLT	1	08-16-00-2-01-FIREBOX	2	08-16-00-3-07-MAIN PUMP VALVE PLATE	1	08-16-00-4-05-SLIDE VALVE+FEED PUMP PISTON
1	08-16-00-1-12-BRAKE SHOE CRANK	1	08-16-00-2-02-FIREBOX GRATE	8	08-16-00-3-08-MAIN PUMP VALVE+RETAINER		
1	08-16-00-1-12-BRAKE SHOE CRANK	1	08-16-00-2-03-BLOWER-EXHAUST UNIT	1	08-16-00-3-09-MAIN PUMP WATER INTAKE COVER		
2	08-16-00-1-13-BRAKE SHOE	1	08-16-00-2-04-BOILER	1	08-16-00-3-10-MAIN PUMP WATER DISCHARGE COVER		
1	08-16-00-1-14-FOOT STEP	6	08-16-00-2-05-NIPPLE 18x23xM12	1	08-16-00-3-11-MAIN PUMP WATER INLET PIPE		
1	08-16-00-1-15-MAIN WATER FEED TANK	1	08-16-00-2-06-NIPPLE 18x23xM14	1	08-16-00-3-12-MAIN PUMP AIR VESSEL		
1	08-16-00-1-16-SUPER STRUCTURE BOTTOM PLATE	1	08-16-00-2-07-BLIND NIPPLE 14x18xM8	2	08-16-00-3-13-CRANKSHAFT BEARING COLUMN		
1	08-16-00-1-17-SUPER STRUCTURE TOP	1	08-16-00-2-08-FIRE DOOR RING	1	08-16-00-3-14-CRANKSHAFT CENTER BEARING		
1	08-16-00-1-18-DRIVER SEAT HAND RAIL	1	08-16-00-2-09-FIRE DOOR	1	08-16-00-3-15-BOILER WATER FEED PUMP		
1	08-16-00-1-19-WARNING BELL	1	08-16-00-2-10-SAFETY VALVE	1	08-16-00-3-16-FEED PUMP AIR VESSEL		
2	08-16-00-1-20-NOZZLE PIPE BOTTOM HOLDER	1	08-16-00-2-11-BLOW DOWN PLUG	1	08-16-00-3-17-STEAM EXHAUST PIPES		
2	08-16-00-1-21-NOZZLE PIPE TOP HOLDER	1	08-16-00-2-12-BLOWER VALVE	1	08-16-00-3-18-STEAM INLET PIPES		
2	08-16-00-1-22-PIPE+NOZZLE	1	08-16-00-2-13-REGULATOR VALVE	1	08-16-00-3-19-BEARING OILER		
1	08-16-00-1-23-BRAKE RACHET PLATE+LAMP HOLDER	1	08-16-00-2-14-WATER LEVEL GAUGE	1	08-16-00-3-20-CENTER OILER PIPE		
1	08-16-00-1-23-BRAKE RACHET PLATE+LAMP HOLDER	1	08-16-00-2-15-ENGINE MOUNTING BRACKET	2	08-16-00-3-21-OUTER OILER PIPE		

IMPORTANT NOTE:
BEFORE STARTING: IT IS STRONGLY ADVISED THAT THE BOILER AS SHOWN ON THESE DRAWINGS SHOULD BE INSPECTED BY AN AUTHORISED PROFESSIONAL ENGINEER AND THE WORKING 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 SAFETY/TEST CERTIFICATE SHOULD BE OBTAINED.

NOTES: THIS DESIGN IS BASED ON DRAWINGS WHICH WERE DOWN LOADED FROM THE "MODELENGINEERINGWEBSITE" WEBSITE. THE ORIGINAL DESIGN AND DRAWINGS WERE BY GUENTER KALLIES. DRAWING DATE UNKNOWN.

TITLE
A COAL FIRED SHAND, MASON & CO STEAM FIRE ENGINE "LUTON 1898"

DRAWING CONTENTS
GENERAL ARRANGEMENT TOP VIEW AND BILL OF MATERIALS

PROJECT No 08-16-00
JDW DRAUGHTING SERVICES
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PROJECTION JDWDS
DATE SEPTEMBER 2019
MODEL SCALE: 1:1
DWG SCALE: NTS @A3 OR AS SHOWN
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SHEET: 04 OF 17 | A3 | No: 08-16-00-SHT04

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