

QTY.	PART NUMBER
2	HUNSLET-45-1-01-SIDE FRAME
1	HUNSLET-45-1-02-FRONT PLATE
1	HUNSLET-45-1-03-REAR PLATE
1	HUNSLET-45-1-04-BOILER SUPPORT PLATE
1	HUNSLET-45-1-05-RH C-HEAD GUIDE SUPPORT
1	HUNSLET-45-1-06-LH C-HEAD GUIDE SUPPORT
2	HUNSLET-45-1-07-EXTERNAL CYLINDER
2	HUNSLET-45-1-08-CYLINDER FRONT COVER
2	HUNSLET-45-1-09-CYLINDER REAR COVER
4	HUNSLET-45-1-10-CROSSHEAD GUIDE
2	HUNSLET-45-1-11-PORT BLOCK
2	HUNSLET-45-1-12-VALVE CHEST
2	HUNSLET-45-1-13-VALVE CHEST COVER
4	HUNSLET-45-1-14-WHEEL AXLE BEARING
2	HUNSLET-45-1-15-VALVE CHEST FRONT COVER
4	HUNSLET-45-1-16-STEAM INLET-EXHAUST NIPPLE
2	HUNSLET-45-1-17-FOOTPLATE SUPPORT ANGLE
1	HUNSLET-45-1-18-STEAM INLET MANIFOLD
5	HUNSLET-45-1-19-M5x3 PIPE NUT
1	HUNSLET-45-1-20-STEAM EXHAUST MANIFOLD
1	HUNSLET-45-1-21-FRONT BUFFER BEAM PLATE
1	HUNSLET-45-1-22-REAR BUFFER BEAM PLATE
1	HUNSLET-45-1-23-REAR BUFFER BLOCK
1	HUNSLET-45-1-23-REAR BUFFER BLOCK
1	HUNSLET-45-1-24-PULL HOOK
1	HUNSLET-45-1-24-PULL HOOK
2	HUNSLET-45-1-25-PULL HOOK STRAP
2	HUNSLET-45-1-26-STEP

QTY.	PART NUMBER
2	HUNSLET-45-2-01-WHEEL AXLE
4	HUNSLET-45-2-02-WHEEL
4	HUNSLET-45-2-03-CRANK
2	HUNSLET-45-2-04-ECCENTRIC DISC
2	HUNSLET-45-2-05-ECCENTRIC STRAP
2	HUNSLET-45-2-06-ECCENTRIC STRAP YOKE
2	HUNSLET-45-2-07-VALVE ROD
2	HUNSLET-45-2-08-VALVE ROD WRIST PIN
2	HUNSLET-45-2-09-VALE NUT
2	HUNSLET-45-2-10-VALVE
2	HUNSLET-45-2-11-COUPLING ROD
2	HUNSLET-45-2-12-CON ROD
2	HUNSLET-45-2-13-CON ROD SPACER
2	HUNSLET-45-2-14-COUPLING ROD BOLT
2	HUNSLET-45-2-15-CON ROD BOLT
2	HUNSLET-45-2-16-PISTON + ROD
2	HUNSLET-45-2-17-CROSSHEAD
2	HUNSLET-45-2-18-CROSSHEAD BOLT

QTY.	PART NUMBER
1	HUNSLET-45-3-01-FOOTPLATE
2	HUNSLET-45-3-02-BOILER MOUNTING BRACKET
1	HUNSLET-45-3-03-BOILER SHELL
1	HUNSLET-45-3-04-BOILER SKIRT PLATE
1	HUNSLET-45-3-05-BOILER INTERNAL BAFFLE PLATE
1	HUNSLET-45-3-06-BOILER REAR PLATE
1	HUNSLET-45-3-07-BOILER MANIFOLD
1	HUNSLET-45-3-08-BOILER FLAME PIPE
1	HUNSLET-45-3-09-BOILER WATER FILLER DOME
1	HUNSLET-45-3-10-SMOKEBOX FRONT PLATE
1	HUNSLET-45-3-11-CHIMNEY
1	HUNSLET-45-3-12-SMOKEBOX DOOR
1	HUNSLET-45-3-13-SMOKEBOX DOOR HINGE
1	HUNSLET-45-3-14-SMOKEBOX DOOR LOCK
1	HUNSLET-45-3-15-STEAM SUPPLY PIPE
4	HUNSLET-45-3-16-LEAF SPRING PACK
8	HUNSLET-45-3-17-LEAF SPRING HANGER
2	HUNSLET-45-3-18-FOOTPLATE STIFFENING ANGLE
1	HUNSLET-45-3-19-SADDLE TANK END PLATE
1	HUNSLET-45-3-19-SADDLE TANK END PLATE
1	HUNSLET-45-3-20-SADDLE TANK OUTER SHELL
1	HUNSLET-45-3-21-SADDLE TANK MOUNTING RING
1	HUNSLET-45-3-22-SADDLE TANK FILLER LID
2	HUNSLET-45-3-23-SADDLE TANK ANGLE BRACKET
2	HUNSLET-45-3-24-NAME PLATE
1	HUNSLET-45-3-25-BOILER SAFETY VALVE BODY
1	HUNSLET-45-3-26-BOILER SAFETY VALVE BALL VALVE
1	HUNSLET-45-3-27-BOILER SAFETY VALVE HOUSING
1	HUNSLET-45-3-28-BOILER SAFETY VALVE STEM
1	HUNSLET-45-3-29-BOILER SAFETY VALVE SPRING
1	HUNSLET-45-3-30-BOILER SAFETY VALVE RETAINER
1	HUNSLET-45-3-31-REGULATOR VALVE BODY
1	HUNSLET-45-3-32-REGULATOR VALVE SPINDLE SCREW
1	HUNSLET-45-3-33-REGULATOR VALVE SPINDLE
1	HUNSLET-45-3-34-REGULATOR VALVE SPINDLE NUT
1	HUNSLET-45-3-35-REGULATOR VALVE CONNECTOR NUT
1	HUNSLET-45-3-36-OILER
1	HUNSLET-45-3-37-PRESSURE GAUGE CONNECTOR
1	HUNSLET-45-3-38-PRESSURE GAUGE CONNECTOR SCREW
1	HUNSLET-45-3-39-PRESSURE GAUGE
2	HUNSLET-45-3-40-M6x3 PIPE NUT
1	HUNSLET-45-3-41-ANGLED PIPE CONNETOR
1	HUNSLET-45-3-42-OILER CON PIPE
1	HUNSLET-45-3-43-GAS TANK
1	HUNSLET-45-3-44-GAS FILLER NIPPLE
1	HUNSLET-45-3-45-GAS VALVE NIPPLE
1	HUNSLET-45-3-46-M10 LOCK NUT
1	HUNSLET-45-3-47-GAS FILLER NIPPLE SCREW TUBE
1	HUNSLET-45-3-48-GAS SUPPLY VALVE BODY
1	HUNSLET-45-3-49-GAS SUPPLY VALVE SPINDLE SCREW
1	HUNSLET-45-3-50-GAS SUPPLY VALVE SPINDLE

QTY.	PART NUMBER
1	HUNSLET-45-3-51-GAS SUPPLY VALVE SPINDLE NUT
1	HUNSLET-45-3-52-BURNER TUBE
1	HUNSLET-45-3-53-GAS JET
1	HUNSLET-45-3-54-GAS TANK FILLER TOP BODY
1	HUNSLET-45-3-55-GAS TANK FILLER VALVE STEM
1	HUNSLET-45-3-56-GAS TANK FILLER VALVE STEM SPRING
1	HUNSLET-45-3-57-GAS TANK FILLER BODY
1	HUNSLET-45-3-58-GAS FILLER TUBE COVER

QTY.	PART NUMBER
2	HUNSLET-45-4-01-CABIN FRONT PLATE
2	HUNSLET-45-4-02-CABIN SIDE PLATE
2	HUNSLET-45-4-03-CABIN REAR PLATE
2	HUNSLET-45-4-04-CABIN REAR DOOR
2	HUNSLET-45-4-05-CABIN FRONT PLATE ANGLE
4	HUNSLET-45-4-06-CABIN FLOOR ANGLE BRACKET
2	HUNSLET-45-4-07-CABIN FRONT PLATE TOP TRIM
2	HUNSLET-45-4-08-CABIN SIDE PLATE TOP TRIM
4	HUNSLET-45-4-09-HAND RAIL
1	HUNSLET-45-4-10-CABIN REAR FLOOR ANGLE
1	HUNSLET-45-4-11-CABIN REAR PLATE TOP TRIM
2	HUNSLET-45-4-12-CABIN REAR DOOR HANDLE

QTY.	PART NUMBER
1	HUNSLET-45-45mm-RAIL
8	HUNSLET-45-M15 NUT
8	HUNSLET-45-M15x5 ROUND HEAD SCREW
2	HUNSLET-45-M2.5x5 GRUB SREW
38	HUNSLET-45-M2 NUT
8	HUNSLET-45-M2x3 GRUB SREW
24	HUNSLET-45-M2x3 ROUND HEAD SCREW
12	HUNSLET-45-M2x5 ROUND HEAD SCREW
16	HUNSLET-45-M2x10 ROUND HEAD SCREW
8	HUNSLET-45-M2x37 STUD
24	HUNSLET-45-M3 NUT
3	HUNSLET-45-M3x5 GRUB SREW
10	HUNSLET-45-M3x5 ROUND HEAD SCREW
10	HUNSLET-45-M3x7 ROUND HEAD SCREW
14	HUNSLET-45-M3x10 ROUND HEAD SCREW
2	HUNSLET-45-M3x15 C-SINK SCREW
1	HUNSLET-45-M5 NUT

**NOTES:**

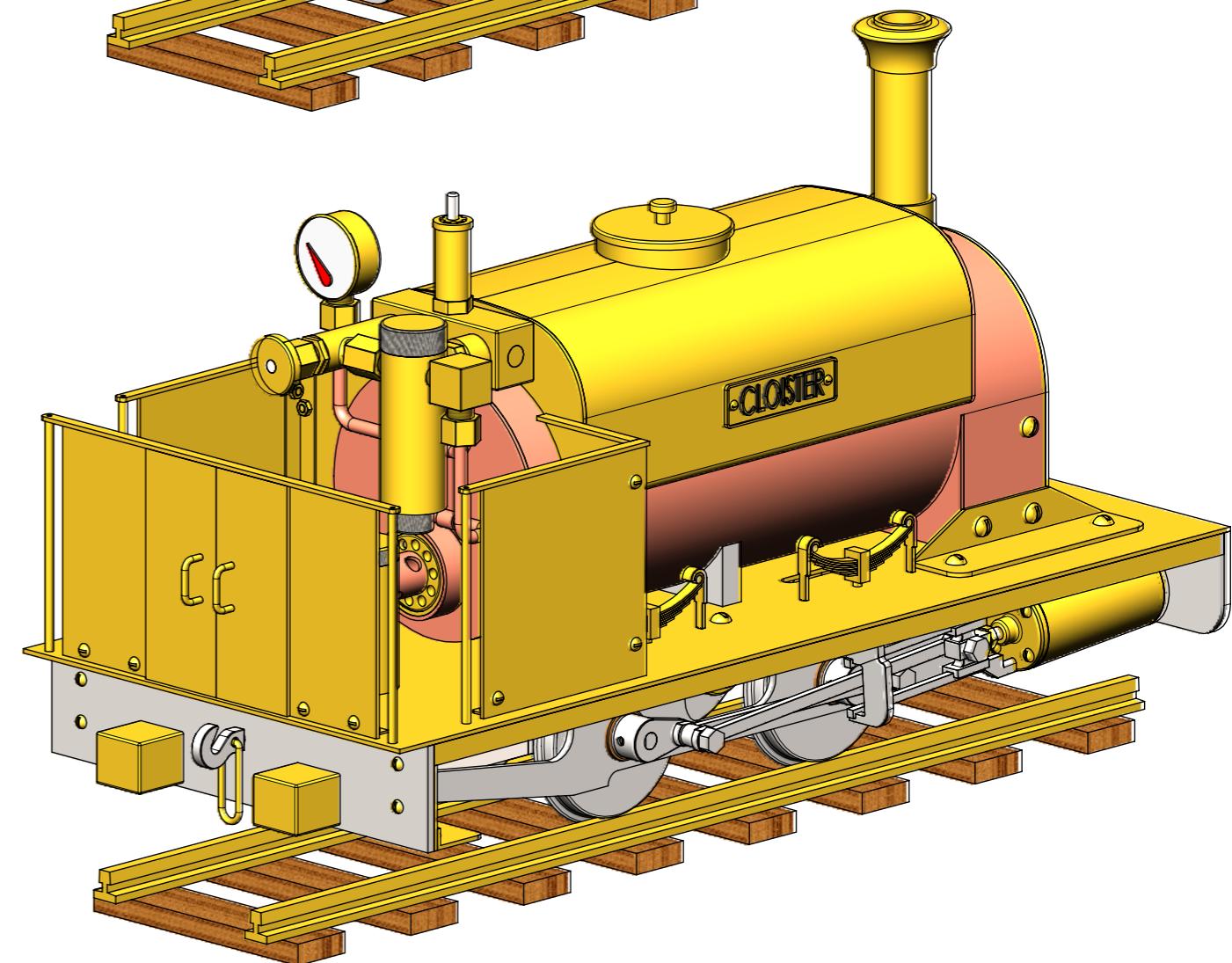
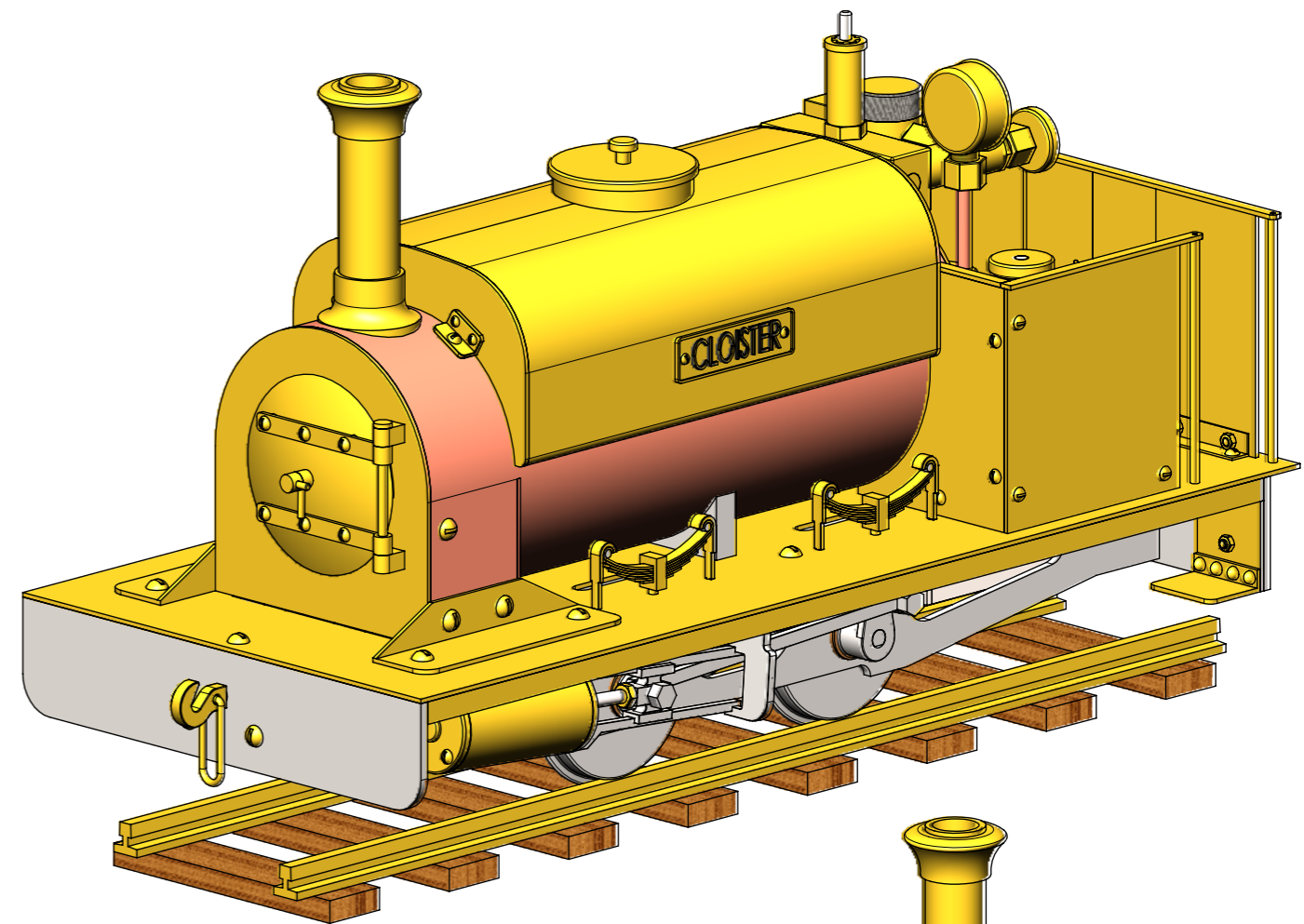
1. ALL ENGINEERING PRACTICES SHALL BE APPLIED WITH REGARDS TO HOLE AND SHAFT TOLERANCES.
2. WHERE SCREWS OR BOLTS ARE USED THE CLEARANCE HOLES SHALL BE APPROXIMATELY 5% TO 8% LARGER THAN THE MATCHING TAPPED HOLE.
3. PREFERABLY ALL TAPPED HOLES AND MATCHING SCREWS AND/OR BOLTS TO BE METRIC FINE (MF)
4. MATERIALS SPECIFIED ON THE DRAWINGS ARE INDICATIVE ONLY. THE BUILDER CAN MAKE HIS/HER OWN MATERIAL CHOICE.
5. INQUIRE AT THE APROPRIATE AUTHOROTIES WHETHER OR NOT THIS BOILER REQUIRES A PRESSURE TEST CERTIFICATE.
6. ALL CONNECTIONS/JOINTS WHICH HAVE STEAM PRESSURE APPLIED TO IT SHALL BE SILVER/HARD SOLDERED IF THE PRESSURE EXCEEDS 3BAR (43.5PSI).
7. COMPRESSION SPRINGS ARE DRAWN IN COMPRESSED STATE (CP), UNCOMPRESSED STATE IS APPROX 40% TO 60% LONGER THEN COMPRESSED STATE.
8. WHERE REFERED SCREW CONNECTIONS CAN BE OMITTED AND PARTS CAN BE BONDED TOGETHER BY USING EITHER GLUE, POXY RESIN,SOLDER OR RIVETS.
9. PARTS WHICH ARE DIRECTLY EXPOSED TO STEAM AND/OR WATER SHOOULD BE CONSTRUCTED USING NON-FERROUS OR NON CORROSIVE MATERIAL SUCH AS BRASS, BRONZE, GUNMETAL, STAINLESS STEEL, COPPER OR MONEL.

**MATERIAL ABBREVIATIONS:**

- ALU = ALUMINIUM
- BRS = BRASS
- BRZ = BRONZE OR GUNMETAL (BRZ/GM)
- CU = COPPER
- MS = MILD STEEL/BRIGHT MILD STEEL
- S/S = SILVER STEEL OR STAINLESS STEEL
- SPS = SPRING STEEL
- SYN = SYNTHETIC MATERIAL SUCH AS VETON, NYLON, TEFLON OR RUBBER

**OTHER ABBREVIATIONS**

- PF = PRESS FIT
- PCD = PITCH CIRCLE DIAMETER
- RM = REAM
- HEX = HEXACON, 6SIDED
- CP = COMPRESSED
- PL = PLACES
- LPF = LIGHT PRESS FIT
- KNL = KNURLE
- [SA-n-xxx]= SUB ASSEMBL-n-xxx



**NOTES:**

TITLE  
**MODEL OF A GAS FIRED QUARRY TYPE  
HUNSLET LOCO CALLED "CLOISTER"**

DRAWING CONTENTS  
**ISOMETRIC VIEWS, NOTES &  
BILL OF MATERIALS**

PROJECT No 07E-06-00  
**JDW DRAUGHTING SERVICES**  
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PROJECTION  
**JDWDS**  
DATE **MAY-2015**  
MODEL SCALE: 1:13.5 GAUGE 1 (45mm)  
DWG SCALE: 1:1 @A3 OR AS SHOWN  
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**SHEET: 02 OF 07 A3 No: CLOISTER-02**