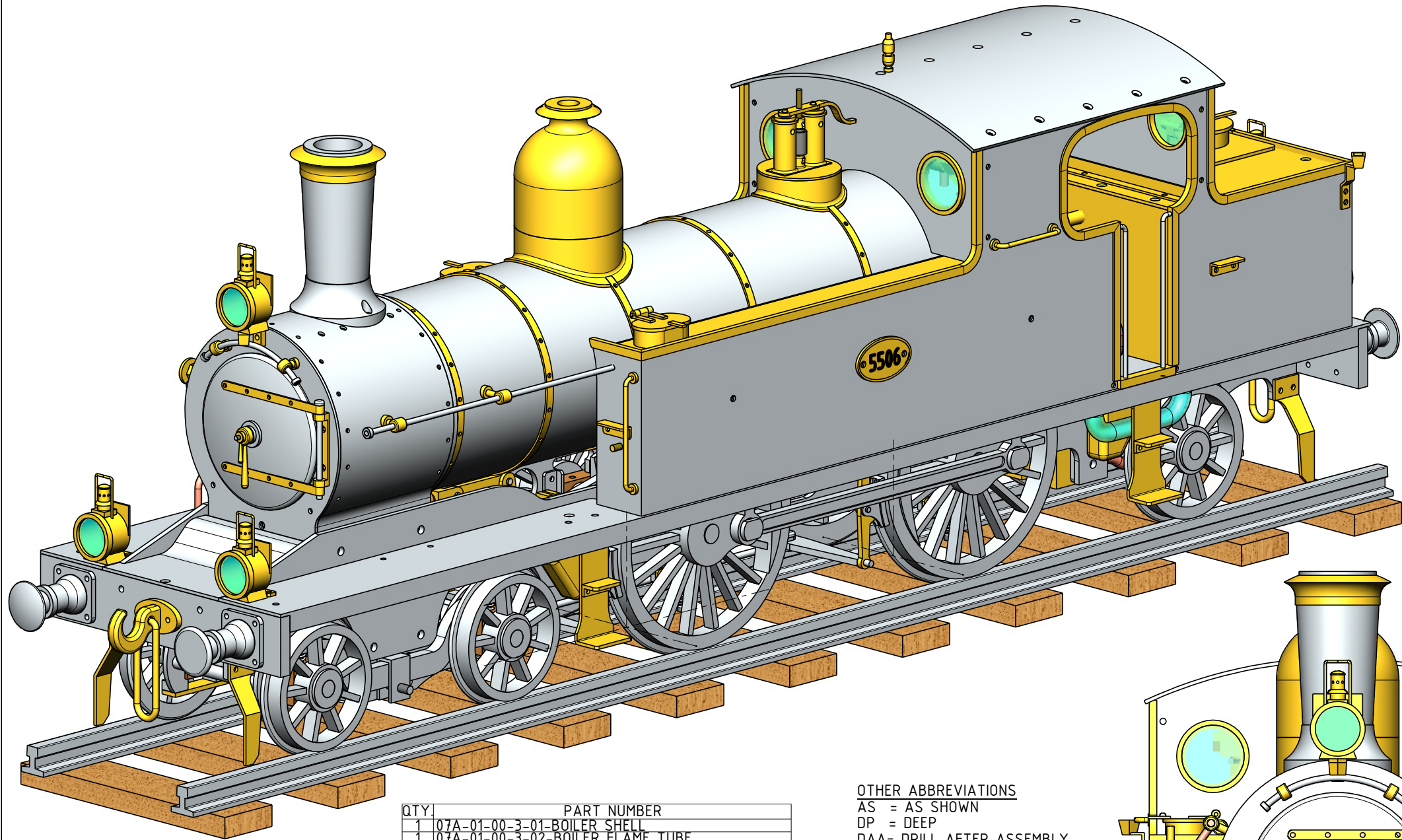
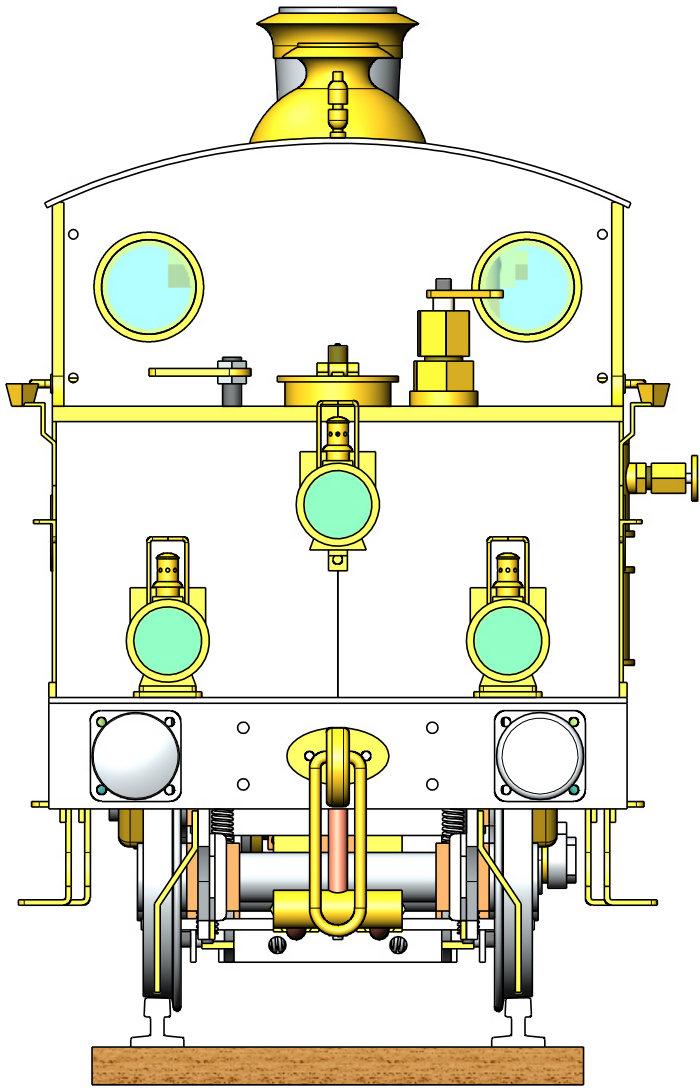
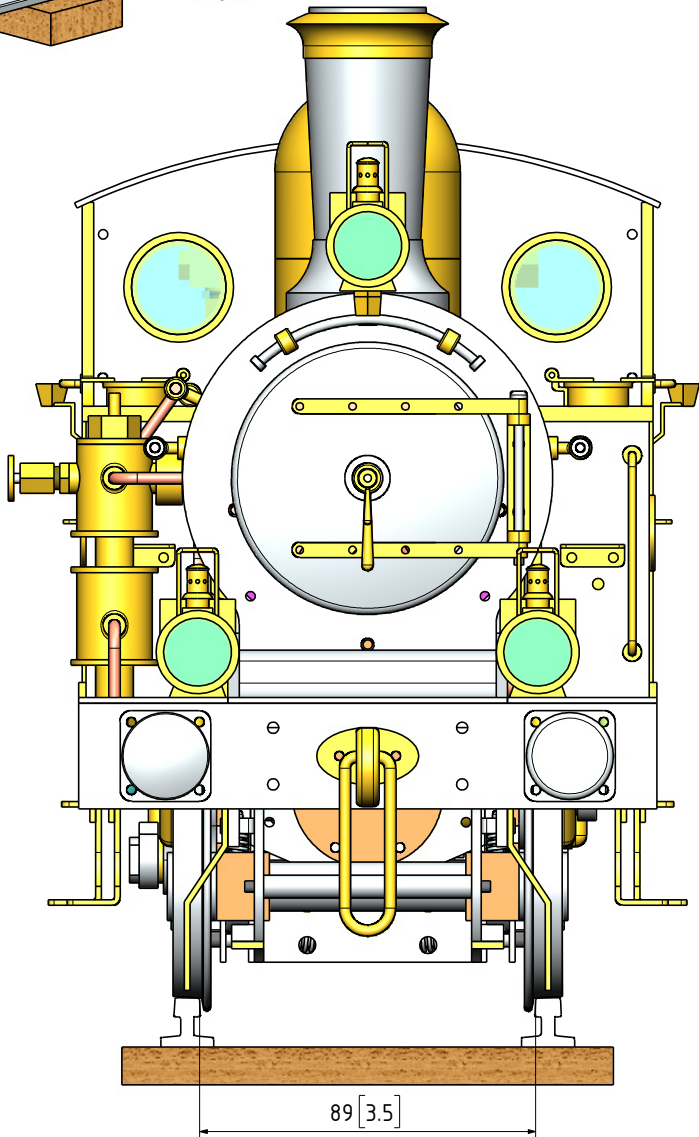




NOTES:
0. ALL DRAWINGS ARE IN METRIC MEASUREMENTS
1. ALL ENGINEERING PRACTICES SHALL BE APPLIED WITH REGARDS TO HOLE AND SHAFT TOLERANCES.
2. WHERE SCREWS OR BOLTS ARE USED THE CLEARANCE HOLES SHALL BE APPROXIMATELY 5% TO 8% LARGER THAN THE MATCHING TAPPED HOLE.
3. PREFERABLY ALL TAPPED HOLES AND MATCHING 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 REFERRED 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. WASHERS AND/OR SPRING WASHERS SHALL BE USED WHERE DEEMED NECESSARY.
14. INQUIRE AT THE APPROPRIATE AUTHORITIES WHETHER OR NOT THIS BOILER REQUIRE 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	PART NUMBER
1	07A-01-00-1-01-UNDER FRAME	1 07A-01-00-3-01-BOILER SHELL
2	07A-01-00-1-02-BUFFER	1 07A-01-00-3-02-BOILER FLAME TUBE
2	07A-01-00-1-02-BUFFER	1 07A-01-00-3-03-STEAM SUPPLY REGULATOR
2	07A-01-00-1-03-RAIL SCOOP	1 07A-01-00-3-04-NON RETURN VALVE
2	07A-01-00-1-03-RAIL SCOOP	1 07A-01-00-3-05-STEAM SUPPLY MANIFOLD
2	07A-01-00-1-04-PULL HOOK	1 07A-01-00-3-06-WATER LEVEL GAUGE
2	07A-01-00-1-05-TRAILING WHEEL SPRING BRACKET	1 07A-01-00-3-07-BOILER CLADDING
4	07A-01-00-1-06-BRAKE LEVER MOUNTING BOLT	1 07A-01-00-3-08-STEAM VALVES BASE
1	07A-01-00-1-07-BRAKE LEVER SYSTEM	1 07A-01-00-3-09-STEAM DOME
2	07A-01-00-1-08-TRAILING WHEEL AXLE BOX	1 07A-01-00-3-10-STEAM VALVES
4	07A-01-00-1-09-DRIVING WHEEL AXLE BOX	1 07A-01-00-3-11-STEAM VALVES SPRING
1	07A-01-00-1-10-MECH WATER PUMP	2 07A-01-00-3-12-MANHOLE COVER
1	07A-01-00-1-11-CYLINDER CRADLE	1 07A-01-00-3-13-DUMMY STEAM PIPE+SUPPORTS
2	07A-01-00-1-12-EXHAUST PIPE	2 07A-01-00-3-14-BOILER HAND RAIL SUPPORT
1	07A-01-00-2-01-TRAILING WHEELS	1 07A-01-00-3-15-SMOKE BOX
1	07A-01-00-2-02-BOGIE FRAME	1 07A-01-00-3-16-CHIMNEY
2	07A-01-00-2-03-BOGIE WHEELS	1 07A-01-00-3-17-SMOKE BOX FRONT HAND RAIL
1	07A-01-00-2-04-DRIVEN WHEEL	1 07A-01-00-3-18-SMOKE BOX DOOR
1	07A-01-00-2-05-COUPLED WHEEL	2 07A-01-00-3-24-SMOKE BOX HAND RAIL SUPPORT
2	07A-01-00-2-06-WATER PUMP PISTON	2 07A-01-00-3-19-SMOKE BOX SIDE HAND RAIL
2	07A-01-00-2-07-WATER PUMP ECCENTRIC STRAP	1 07A-01-00-3-20-DISPLACEMENT OILER
1	07A-01-00-2-08-PISTON+CROSSHEAD	1 07A-01-00-3-21-STEAM SUPPLY CONNECTOR
1	07A-01-00-2-09-CON-ROD	6 07A-01-00-3-22-HEAD LAMP
2	07A-01-00-2-10-COULPLING ROD	1 07A-01-00-3-23-STEAM SUPPLY REGULATOR PIPE
1	07A-01-00-2-11-SLIDE VALVE ROCKING SHAFT	1 07A-01-00-4-01-FOOTPLATE
1	07A-01-00-2-12-SLIDE VALVE	1 07A-01-00-4-02-SIDE WATER TANK
1	07A-01-00-2-13-SLIDE VALVE LINK	1 07A-01-00-4-02-SIDE WATER TANK
1	07A-01-00-2-14-SLIDE VALVE ECCENTRIC STRAP	2 07A-01-00-4-03-NUMBER SHIELD
		1 07A-01-00-4-04-GAS BURNER
		1 07A-01-00-4-05-GAS TANK WATER CONTAINER
		1 07A-01-00-4-06-BYPASS VALVE
		1 07A-01-00-4-07-GASTANK+FILLER VALVE
		1 07A-01-00-4-08-GASTANK AIR RELIEF VALVE
		1 07A-01-00-4-09-GAS MAIN SUPPLY VALVE
		1 07A-01-00-4-10-HAND PUMP
		1 07A-01-00-4-11-CABIN PLATE WORK
		4 07A-01-00-4-12-CABIN WINDOWS
		1 07A-01-00-4-13-LIFT-OFF ROOF
		1 07A-01-00-M-89mm-RAIL

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



NOTES: THE ORIGINAL DESIGN WAS PUBLISHED IN THE "MODELBOUWER" MAGAZINES 3 TO 8 (2002) DRAWING NUMBER SERIES 20.00.39 SHT01 TO 22. DATED JULY 1996. DRAWN BY G.WIEGERINCK.

TITLE
A GAS FIRED MODEL STEAM LOCOMOTIVE OF
THE DUTCH RAILWAYS SERIES 5500

DRAWING CONTENTS
GENERAL ARRANGEMENT, ISOMETRIC
VIEW, NOTES, BILL OF MATERIALS

PROJECT No 07A-01-00
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PROJECTION	JDWDS	MODEL SCALE: 1:16 (89mm/3.5" GAUGE)
DATE	DECEMBER 2020	DWG SCALE: 1:1 @A3 OR AS SHOWN
SHEET: 02 OF 15	A3	Copyright © J.A.M. DE WAAL PAPAOKURA NZ
No: 07A-01-00-SHT02		

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