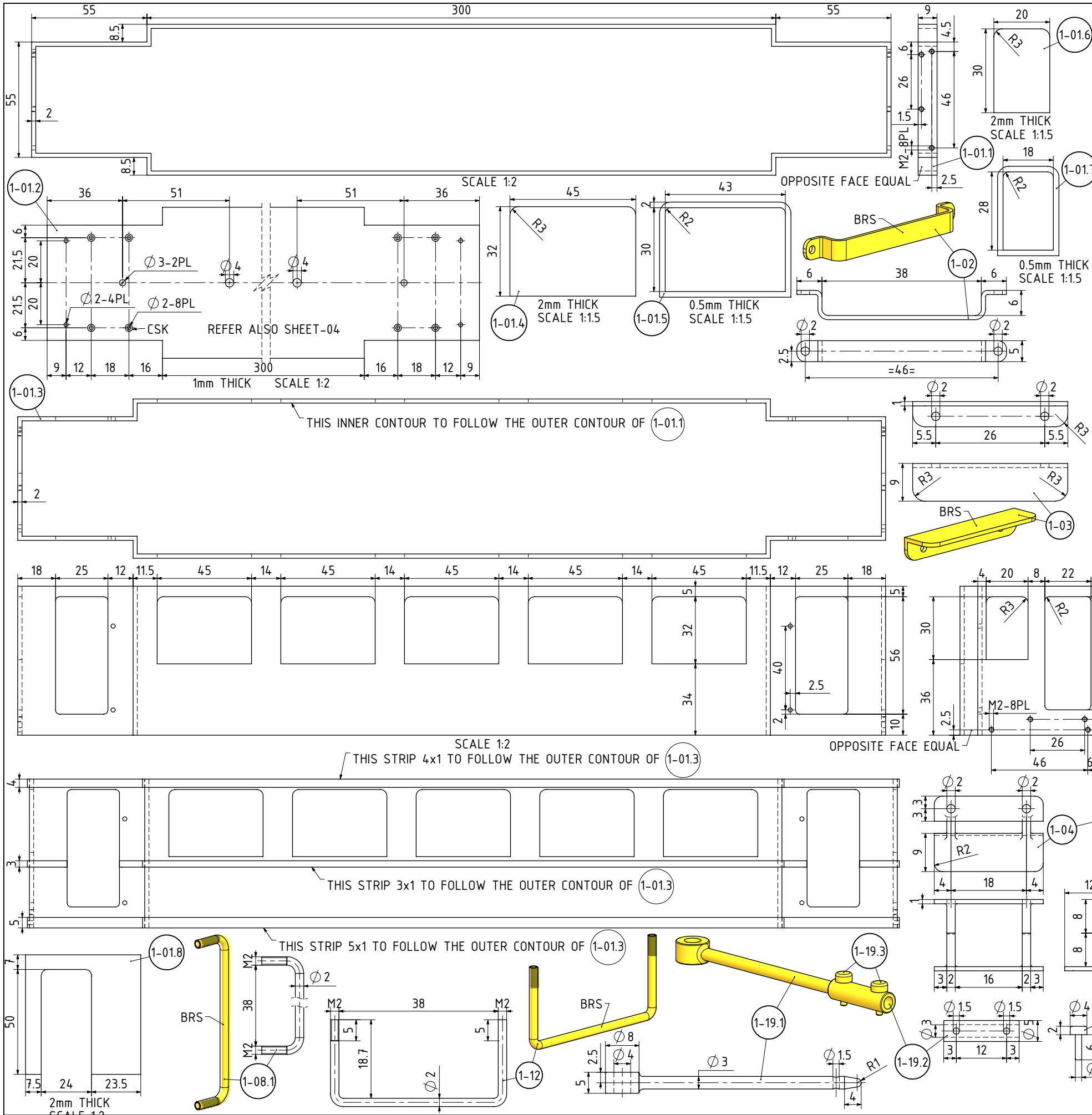




- NOTES:
0. ALL DRAWINGS ARE IN METRIC MEASUREMENTS
 1. ALL ENGINEERING PRACTICES SHALL BE APPLIED WITH REGARDS TO HOLE AND SHAFT TOLERANCES.
 2. WHERE SCREWS OR BOLTS ARE USED THE CLEARANCE HOLES SHALL BE APPROXIMATELY 5% TO 8% LARGER THAN THE MATCHING TAPPED HOLE.
 3. PREFERABLY ALL TAPPED HOLES AND 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. WASHERS AND/OR SPRINGWASHERS SHALL BE USED WHERE DEEMED NECESSARY.
 - XX. ERRORS AND/OR OMISSIONS MAY OCCUR IN THE DRAWINGS, DO NOT HESITATE TO CONTACT ME SO THAT THE ERRORS/OMISSIONS CAN BE RECTIFIED.

- 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
[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
1	BOEMELTJE-4-1-01-WAGON BODY
2	BOEMELTJE-4-1-02-BUMPER
2	BOEMELTJE-4-1-03-FRONT STEP
4	BOEMELTJE-4-1-04-SIDE STEP
1	BOEMELTJE-4-1-07-HEAD END DOOR
1	BOEMELTJE-4-1-07-HEAD END DOOR
4	BOEMELTJE-4-1-08-SIDE HANDRAIL
2	BOEMELTJE-4-1-09-SIDE DOOR
2	BOEMELTJE-4-1-09-SIDE DOOR
4	BOEMELTJE-4-1-10A-SEAT
1	BOEMELTJE-4-1-10A-SEAT
1	BOEMELTJE-4-1-10A-SEAT
4	BOEMELTJE-4-1-10B-HALVE SEAT
1	BOEMELTJE-4-1-10B-HALVE SEAT
1	BOEMELTJE-4-1-10B-HALVE SEAT
2	BOEMELTJE-4-1-12-PULL ROD SUPPORT BRACKET
1	BOEMELTJE-4-1-19-PULL ROD COUPLING
1	BOEMELTJE-4-1-19-PULL ROD COUPLING
1	BOEMELTJE-4-1-20-ROOF
2	BOEMELTJE-4-1-21-UNDER FLOOR TIE BAR
4	BOEMELTJE-4-2-01-WHEEL+AXLE
2	BOEMELTJE-4-2-02-BOGIE FRAME
2	BOEMELTJE-4-2-03-BOGIE CENTER SPRING
1	BOEMELTJE-4-45mm-RAIL
21	BOEMELTJE-4-M2 NUT-BRASS
6	BOEMELTJE-4-M2x4 C-SINK SCREW
8	BOEMELTJE-4-M2x6 ROUND HEAD SCREW
10	BOEMELTJE-4-M3 NUT-BRASS
4	BOEMELTJE-4-M3x6 ROUND HEAD SCREW
2	BOEMELTJE-4-M3x22 ROUND HEAD SCREW
2	BOEMELTJE-4-M4 NUT-BRASS
2	BOEMELTJE-4-M4x28 ROUND HEAD SCREW

NOTES: THE ORIGINAL DRAWINGS AND ARTICLE WERE FIRST PUBLISHED IN THE "MODELBOUWER" MAGAZINE OF No11 20 NOVEMBER 1952 UNDER THE TITLE "HET BOEMELTJE". DRAWINGS BY H.F. ENTER

TITLE

A SIMPLE PASSENGER WAGON CALLED "BOEMELTJE-4" FOR 45mm GAUGE

DRAWING CONTENTS

BILL OF MATERIALS, NOTES, PARTS AND ASSEMBLIES

PROJECT No 06-16-00

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PROJECTION

JDWDS

DATE AUGUST 2018

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SHEET: 02 OF 04

A3

No: 06-16-00-SHT02

MODEL SCALE: 1:32

DWG SCALE: 1:1 @A3 OR AS SHOWN