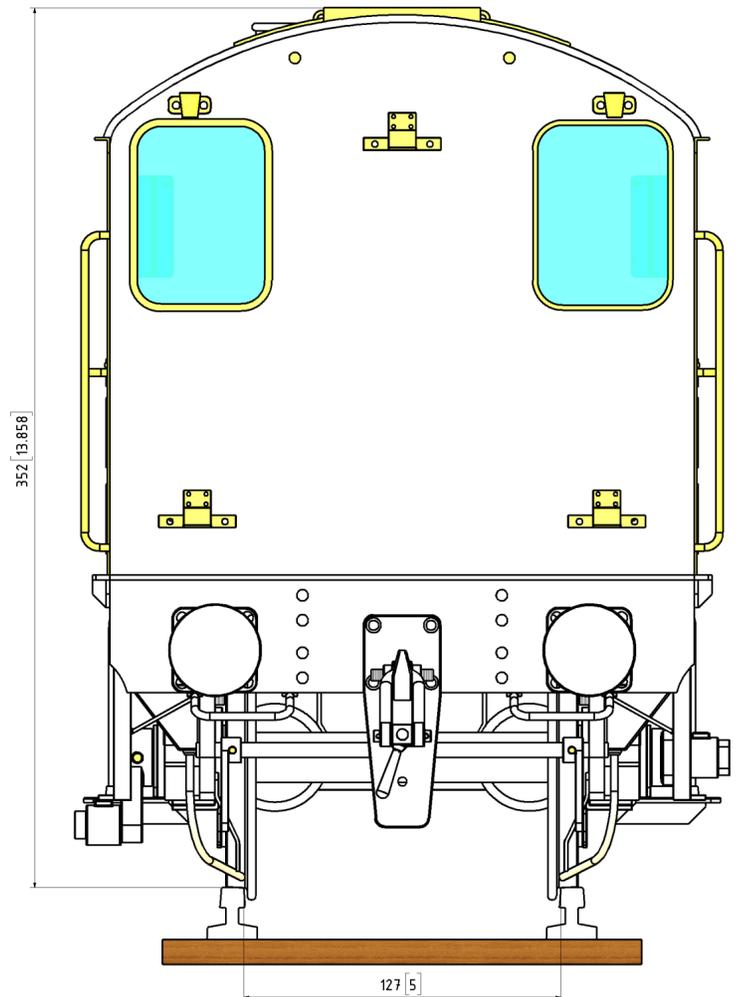
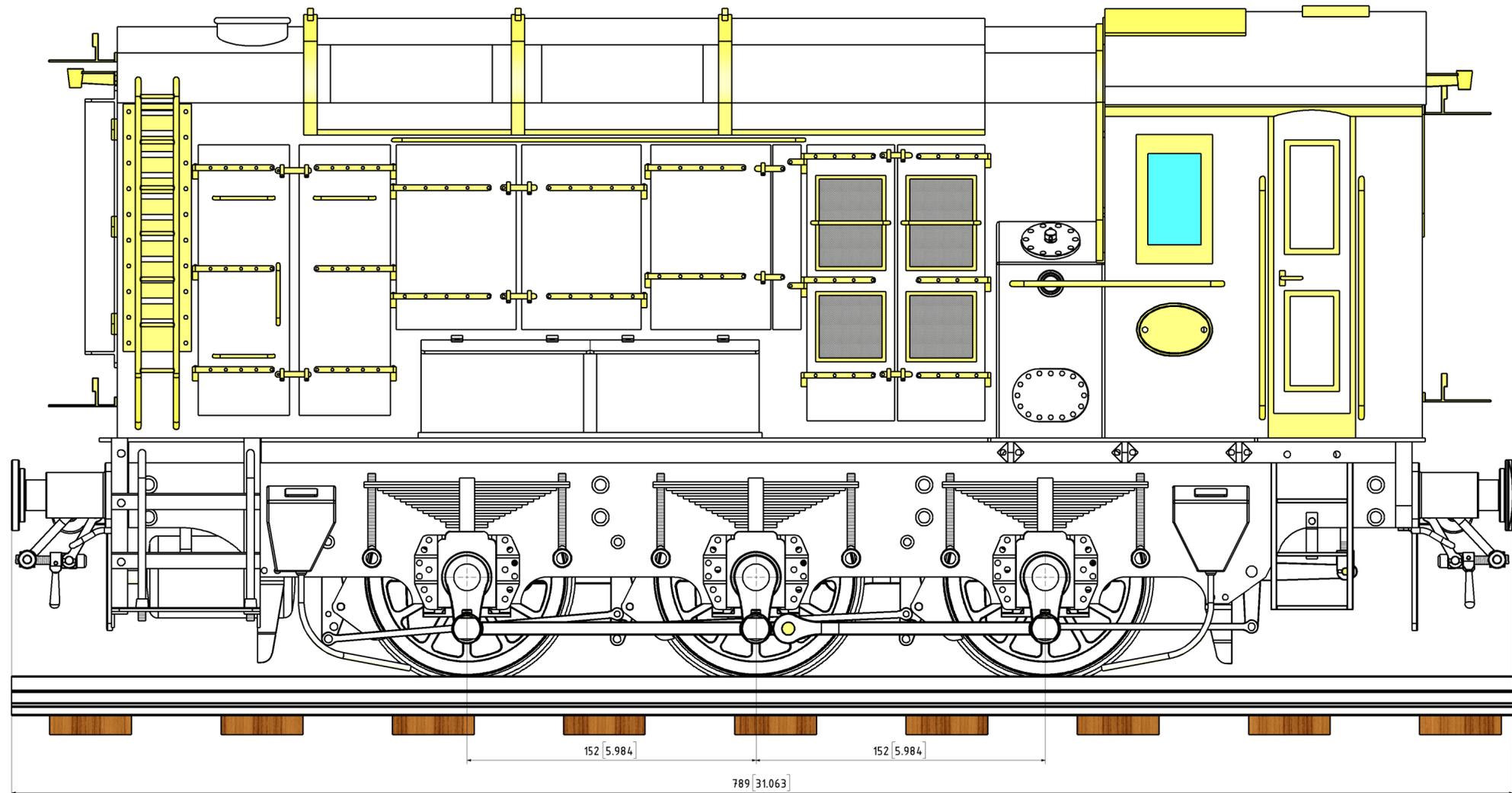


- GENERAL NOTES:
0. ALL DRAWINGS ARE IN METRIC MEASUREMENTS
  1. ALL ENGINEERING PRACTICES SHALL BE APPLIED WITH REGARDS TO HOLE AND SHAFT TOLERANCES.
  2. WHERE SCREWS OR BOLTS ARE USED THE CLEARANCE HOLES SHALL BE APPROXIMATELY 5% TO 8% LARGER THAN THE MATCHING TAPPED HOLE.
  3. PREFERABLY ALL TAPPED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

DUE TO THE LACK OF INFORMATION ON THE ORIGINAL DRAWING(S), SUCH AS VIEWS, DIMENSIONS, SECTIONS ETC AND/OR CLARITY OF COMPONENTS, OMITTED PARTS/COMPONENTS, SOME OF THE COMPONENTS MIGHT NOT BE AS CONSTRUCTED ORIGINALLY OR AS THE ORIGINAL DESIGNER INTENDED



NOTES: THIS ENGINE IS BASED ON AN EARLIER PROJECT (03-18-00) WHICH WAS DRAWN UP IN OCTOBER 2019. THIS ENGINE SHOWN ON THESE DRAWINGS IS A CONVERSION FROM 89mm/3.5" TO 127mm/5" GAUGE

TITLE  
**DIESEL-ELECTRIC LOCOMOTIVE OF THE BRITISH RAILWAYS CLASS 08 (127mm/5"GAUGE)**  
 DRAWING CONTENTS  
**GENERAL ARRANGEMENT, NOTES**

PROJECT No 03-18-02  
 JDW DRAUGHTING SERVICES  
 J.A.M. DE WAAL, 12 BRIGHTWELL STREET PAKAKURA  
 2110, NEW ZEALAND. PHONE: 0064 09 2988815. MOB:  
 0211791000 E-MAIL: dewaal@xtra.co.nz.

PROJECTION  
**JDWDS** MODEL SCALE: 1:11.2  
 DWG SCALE: 1:1 @A2 OR AS SHOWN  
 DATE: SEPTEMBER 2025 Copyright © J.A.M. DE WAAL PAKAKURA NZ  
 SHEET: 01 OF 08 **A2** No: 03-18-02-SHT-01

PLEASE NOTE THIS IS AN "A2" SIZE SHEET

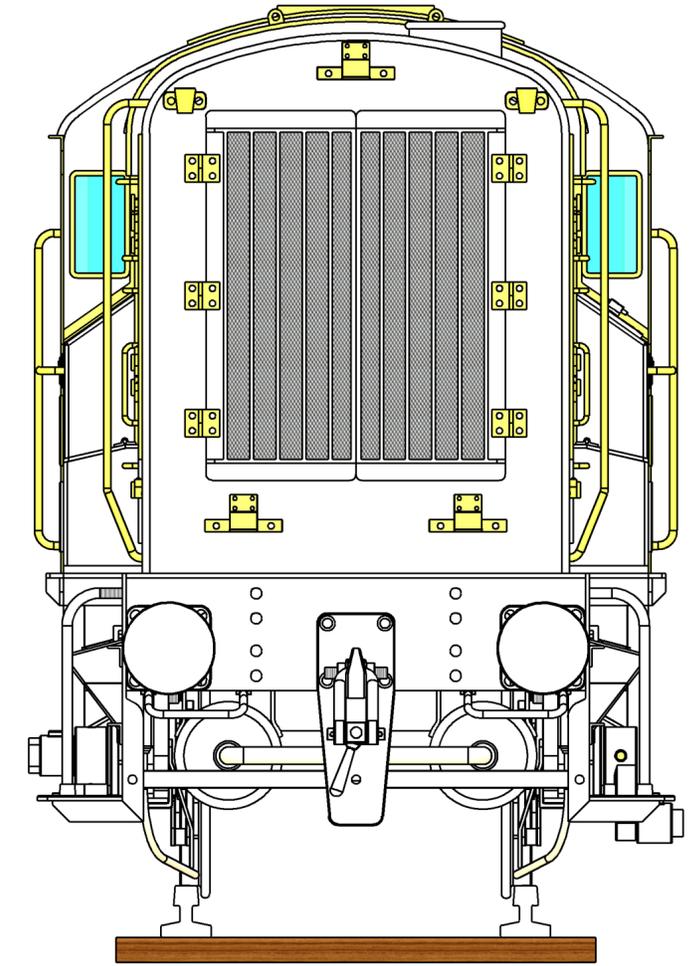
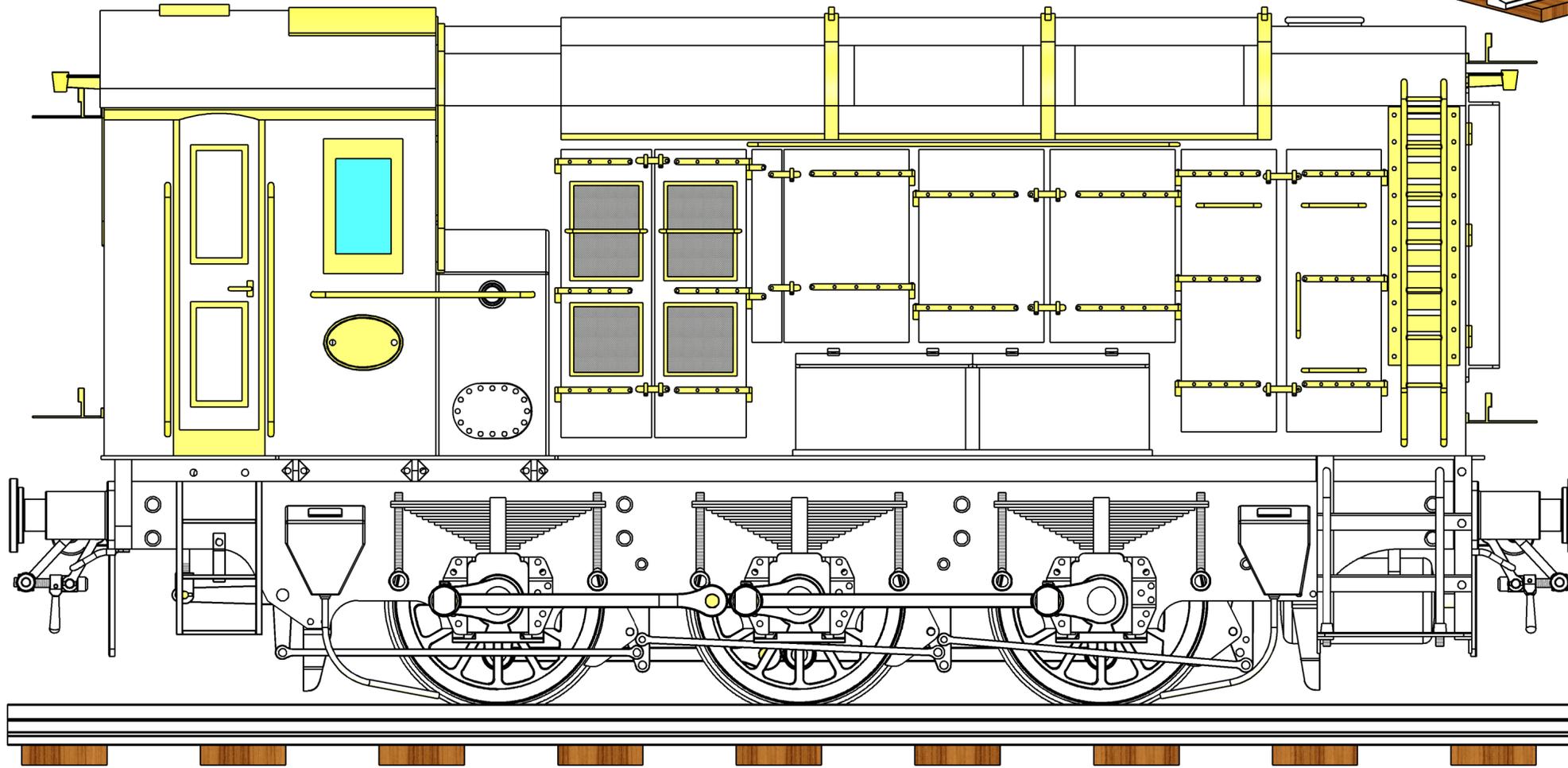
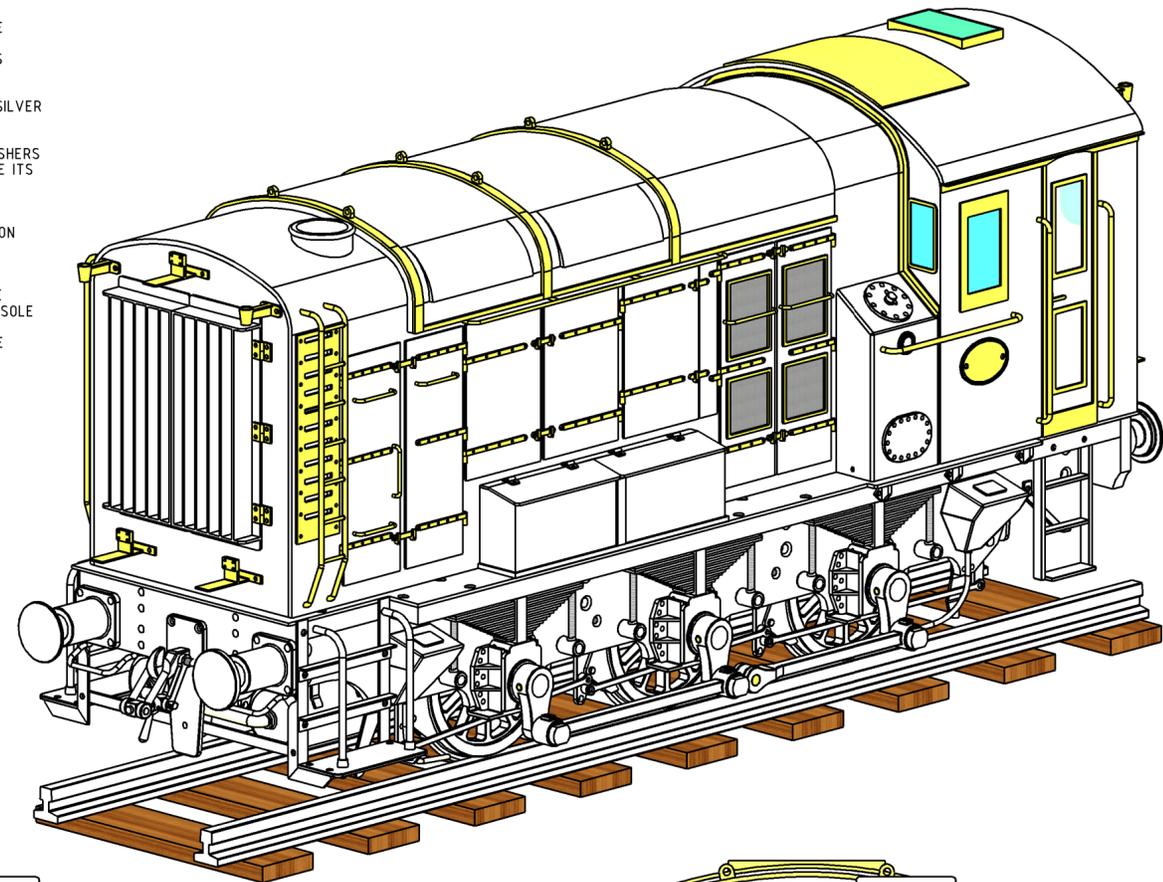
**DRAWINGS ARE FOR PERSONAL USE ONLY NOT FOR COMMERCIAL PURPOSES**

QTY.	PART NUMBER
1	03-18-02-1-01-UNDER FRAME
6	03-18-02-1-02-AXLE BOX GUIDE
6	03-18-02-1-02-AXLE BOX GUIDE
6	03-18-02-1-03-AXLE BOX LEAFSPRING
6	03-18-02-1-04-AXLE BOX
2	03-18-02-1-05-BUFFER TYPE-1
2	03-18-02-1-06-BUFFER TYPE-2
2	03-18-02-1-07-PULL HOOK
2	03-18-02-1-08-COUPLING HOOK
4	03-18-02-1-09-COUPLING LINK
2	03-18-02-1-10-SCREW SPINDLE NUT TYPE-1
2	03-18-02-1-11-SCREW SPINDLE NUT TYPE-2
2	03-18-02-1-12-SCREW SPINDLE
2	03-18-02-1-13-SCREW SPINDLE HANDLE
4	03-18-02-1-14-FRONT+REAR HAND GRIP
1	03-18-02-1-15-FRONT STEP
1	03-18-02-1-15-FRONT STEP
1	03-18-02-1-16-FRONT STEP CROSS BAR
2	03-18-02-1-17-REAR STEP
1	03-18-02-1-18-AIR TANKS
6	03-18-02-1-19-AXLEBOX KEEPER
1	03-18-02-1-20-FRONT SANDBOX
1	03-18-02-1-20-FRONT SANDBOX
1	03-18-02-1-21-REAR SANDBOX
1	03-18-02-1-21-REAR SANDBOX
1	03-18-02-1-22-FRONT RAIL SCOOP
1	03-18-02-1-22-FRONT RAIL SCOOP
1	03-18-02-1-23-REAR RAIL SCOOP
1	03-18-02-1-23-REAR RAIL SCOOP
1	03-18-02-1-24-HOOD
1	03-18-02-1-25A-HOOD DOOR-A
1	03-18-02-1-25A-HOOD DOOR-A
1	03-18-02-1-25B-HOOD DOOR-B
1	03-18-02-1-25B-HOOD DOOR-B
2	03-18-02-1-26-HOOD DOOR-C
2	03-18-02-1-26-HOOD DOOR-C
1	03-18-02-1-27-HOOD DOOR-D

QTY.	PART NUMBER
1	03-18-02-1-27-HOOD DOOR-D
1	03-18-02-1-28-HOOD DOOR-E
1	03-18-02-1-28-HOOD DOOR-E
1	03-18-02-1-29-HOOD DOOR-F
1	03-18-02-1-29-HOOD DOOR-F
1	03-18-02-1-30-HOOD DOOR-G
1	03-18-02-1-30-HOOD DOOR-G
1	03-18-02-1-31-SIDE INSPECTION BOX
1	03-18-02-1-31-SIDE INSPECTION BOX
1	03-18-02-1-32-HOOD FRONT VENT DOOR
6	03-18-02-1-33-LAMP HOLDER BRACKET
2	03-18-02-1-34-FRONT VENT PLATE
4	03-18-02-1-35-SIGNAL FLAG HOLDER
1	03-18-02-1-36-EXHAUST CHIMNEY
2	03-18-02-1-37-FRONT LADDER
2	03-18-02-1-38-BATTERY TOOLBOX
1	03-18-02-1-39-HOOD ROOF-A
2	03-18-02-1-40-HOOD TOP HAND RAIL
1	03-18-02-1-41-DRIVERS CABIN
1	03-18-02-1-42-DRIVERS CABIN DOOR
1	03-18-02-1-42-DRIVERS CABIN DOOR
1	03-18-02-1-43-DRIVERS CABIN ROOF
2	03-18-02-1-44-CABIN SIDE HAND RAIL
4	03-18-02-1-45-CABIN DOOR HAND RAIL
2	03-18-02-1-46-NUMBER SHIELD
3	03-18-02-2-01-WHEEL AXLE
2	03-18-02-2-02-COUPLING ROD
1	03-18-02-2-03-BRAKE SHOE HANGER
2	03-18-02-2-03-BRAKE SHOE HANGER
1	03-18-02-2-03-BRAKE SHOE HANGER
2	03-18-02-2-03-BRAKE SHOE HANGER
6	03-18-02-2-04-BRAKE SHOE
2	03-18-02-2-05-BRAKE LINK BAR
2	03-18-02-2-06-BRAKE LINK BAR-1
1	03-18-02-2-07-BRAKE CROSS BAR
2	03-18-02-2-08-BRAKE LINK BAR-2
1	03-18-02-2-09- HAND BRAKE COLUMN SPINDLE
1	03-18-02-M127mm-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 = HEXAGON, 6SIDED  
CP = COMPRESSED  
KNL = KNURLED  
CSK = COUNTERSINK  
PL = PLACES  
DWL= DOWEL  
SPF= SPOTFACE  
(TIHESOP=(TAPPED)HOLES EQUALLY SPACED ON PCD  
(TIHESOC=(TAPPED)HOLES EQUALLY SPACED ON CIRCUMFERENCE  
OD = OUTSIDE DIAMETER  
ID = INSIDE DIAMETER  
MAX/MIN = CRITICAL DIMENSION  
[SA-xxx]= SUB ASSEMBLY-xxx

ADDITIONAL NOTES ABOUT THESE DRAWINGS:  
1) NO MATERIALS HAVE BEEN SPECIFIED ON THESE DRAWINGS. THE BUILDER TO CHOOSE ITS OWN PREFERRED MATERIAL FOR THE PARTS/COMPONENTS. THE FOLLOWING COLOURS ON THE DRAWINGS INDICATES POSSIBLE MATERIALS WHICH CAN BE USED FOR PARTS:  
YELLOW=BRASS, LIGHT GREY=ALUMINIUM OR MILD STEEL, REDDISH BROWN=COPPER, DARK BROWN=BRONZE OR GUN METAL, WHITISH=SILVER STEEL OR STAINLESS STEEL  
2) FASTENERS.  
NO FASTENERS SUCH AS BOLTS, SCREWS, RIVETS, NUTS AND WASHERS HAVE BEEN SHOWN ON THESE DRAWINGS. THE BUILDER TO CHOOSE ITS OWN PREFERRED TYPE OF FASTENERS.  
3) PROPULSION SYSTEM  
A PROPULSION SYSTEM IS NOT SHOWN ON THESE DRAWINGS. THE BUILDER TO EITHER DESIGN AND BUILD OR PURCHASE A PROPULSION SYSTEM  
A BATTERY OPERATED SYSTEM WOULD BE PREFERABLY.  
4) DRIVERS CABIN FIT OUT.  
IN THE DRIVERS CABIN A BASIC CONTROL CONSOLE IS SHOWN. THE BUILDER TO DESIGN CONTROL EQUIPMENT AND POPULATE THE CONSOLE TO HIS OR HERS OWN LIKING.  
THE HAND BRAKE COLUMN IS NOT SHOWN ON THESE DRAWING THE BUILDER TO DESIGN AND INSTALL IF SO DESIRED



NOTES: THIS ENGINE IS BASED ON AN EARLIER PROJECT (03-18-00) WHICH WAS DRAWN UP IN OCTOBER 2019. THIS ENGINE SHOWN ON THESE DRAWINGS IS A CONVERSION FROM 89mm/3.5" TO 127mm/5" GAUGE

TITLE  
**DIESEL-ELECTRIC LOCOMOTIVE OF THE BRITISH RAILWAYS CLASS 08 (127mm/5"GAUGE)**

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

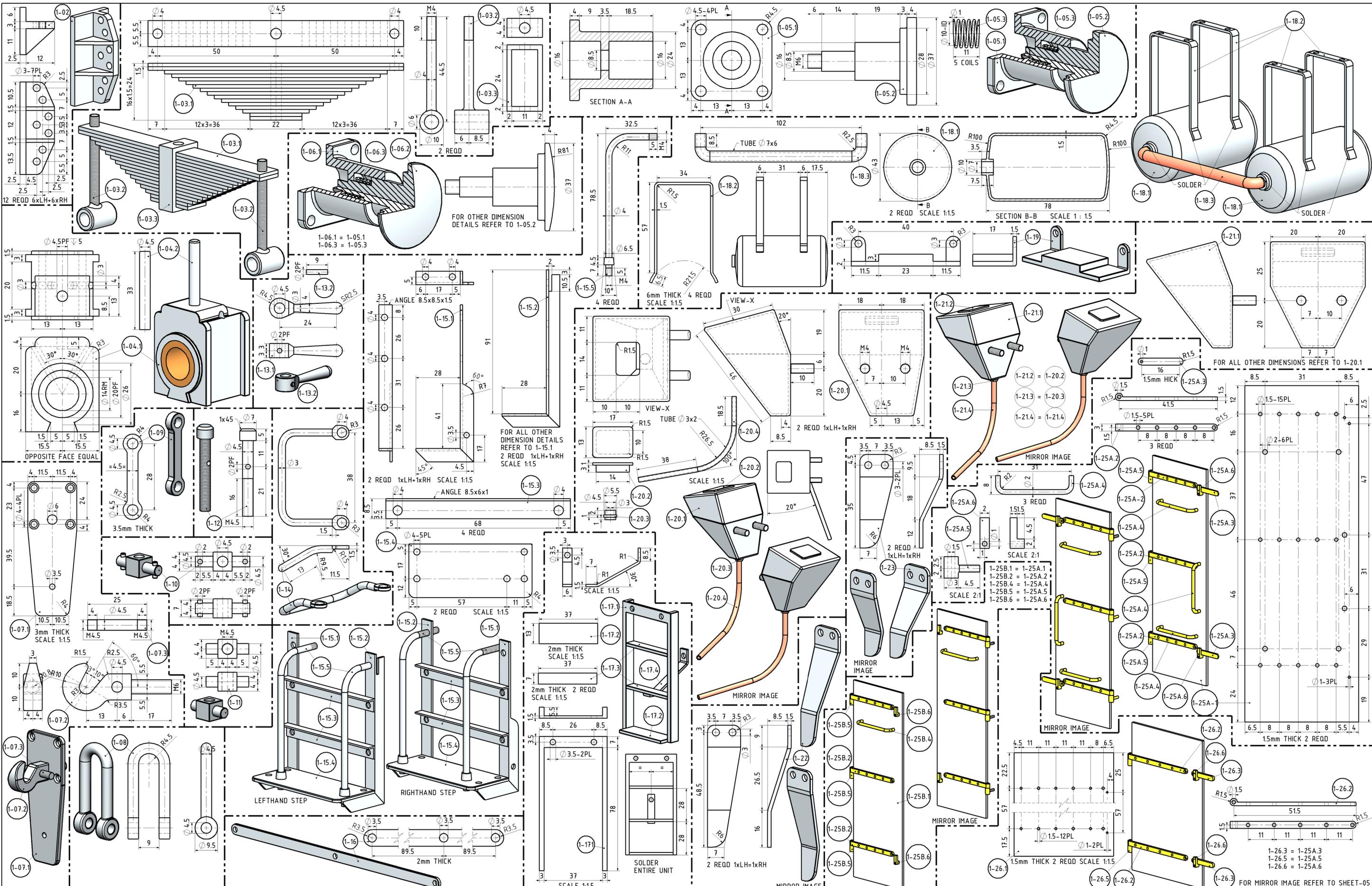
PROJECT No 03-18-02  
**JDW DRAUGHTING SERVICES**  
J.A.M. DE WAAL, 12 BRIGHTWELL STREET PAKAPURA  
2110, NEW ZEALAND. PHONE: 0064 09 2988815. MOB: 0211791000 E-MAIL: dewaal@xtra.co.nz.

PROJECTION  
**JDWDS** MODEL SCALE: 1:11.2  
DWG SCALE: 1:1 @A2 OR AS SHOWN  
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SHEET: 02 OF 08 **A2** No: 03-18-02-SHT-02

PLEASE NOTE THIS IS AN "A2" SIZE SHEET

**DRAWINGS ARE FOR PERSONAL USE ONLY NOT FOR COMMERCIAL PURPOSES**





NOTES: THIS ENGINE IS BASED ON AN EARLIER PROJECT (03-18-00) WHICH WAS DRAWN UP IN OCTOBER 2019. THIS ENGINE SHOWN ON THESE DRAWINGS IS A CONVERSION FROM 89mm/3.5" TO 127mm/5" GAUGE

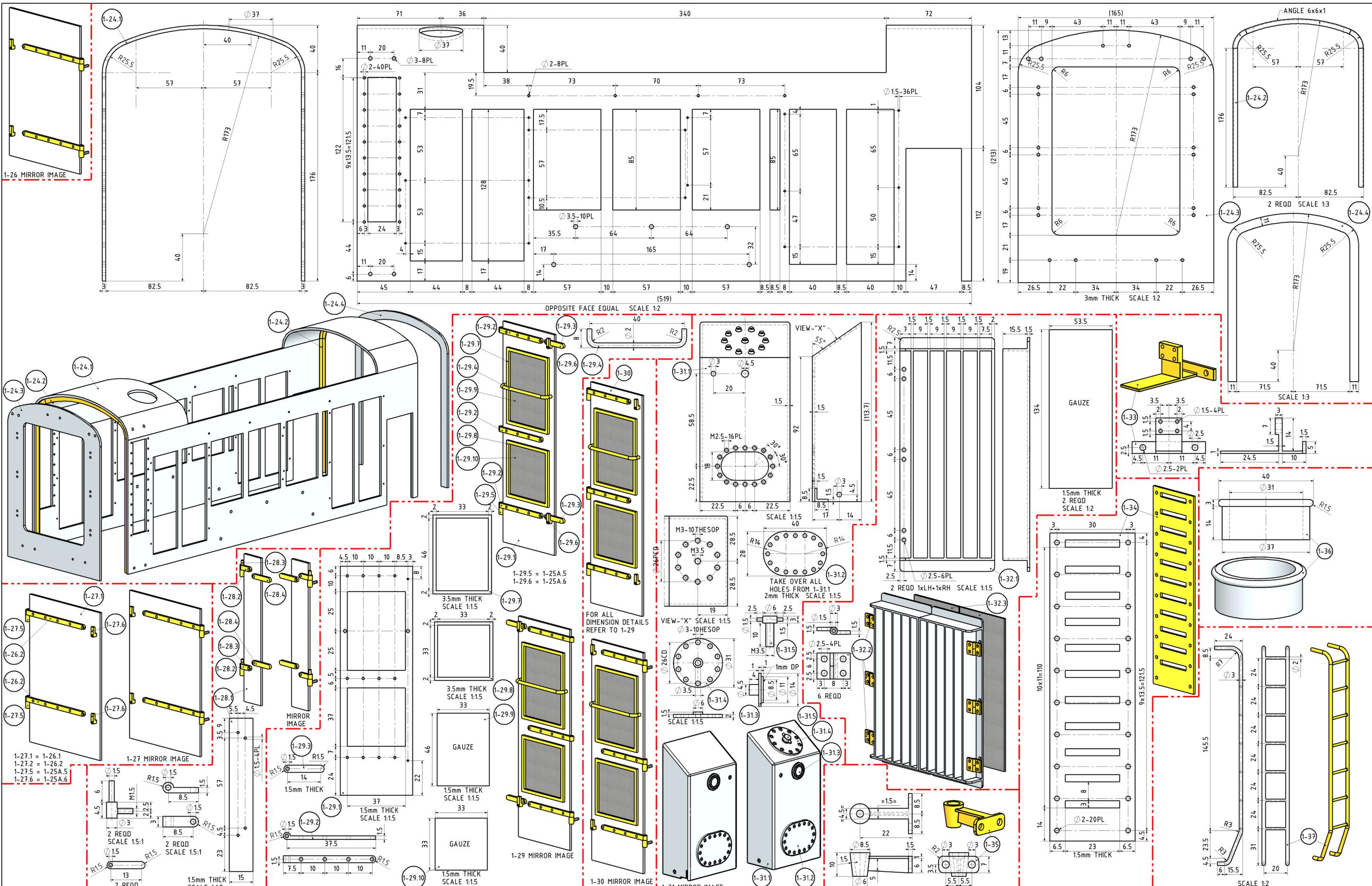
TITLE  
**DIESEL-ELECTRIC LOCOMOTIVE OF THE BRITISH RAILWAYS CLASS 08 (127mm/5" GAUGE)**

DRAWING CONTENTS  
**PARTS AND ASSEMBLIES**

PROJECT No 03-18-02  
 JDW DRAUGHTING SERVICES  
 J.A.M. DE WAAL, 12 BRIGHTWELL STREET PAKAPURA  
 2110, NEW ZEALAND. PHONE: 0064 09 2988815. MOB: 0211791000 E-MAIL: dewaal@xtra.co.nz.

PROJECTION  
**JDWDS** MODEL SCALE: 1:11.2  
 DWG SCALE: 1:1 @A2 OR AS SHOWN  
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 SHEET: 04 OF 08 **A2** No: 03-18-02-SHT-04

PLEASE NOTE THIS IS AN "A2" SIZE SHEET DRAWINGS ARE FOR PERSONAL USE ONLY NOT FOR COMMERCIAL PURPOSES



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TITLE  
**DIESEL-ELECTRIC LOCOMOTIVE OF THE BRITISH RAILWAYS CLASS 08 (127mm/5" GAUGE)**

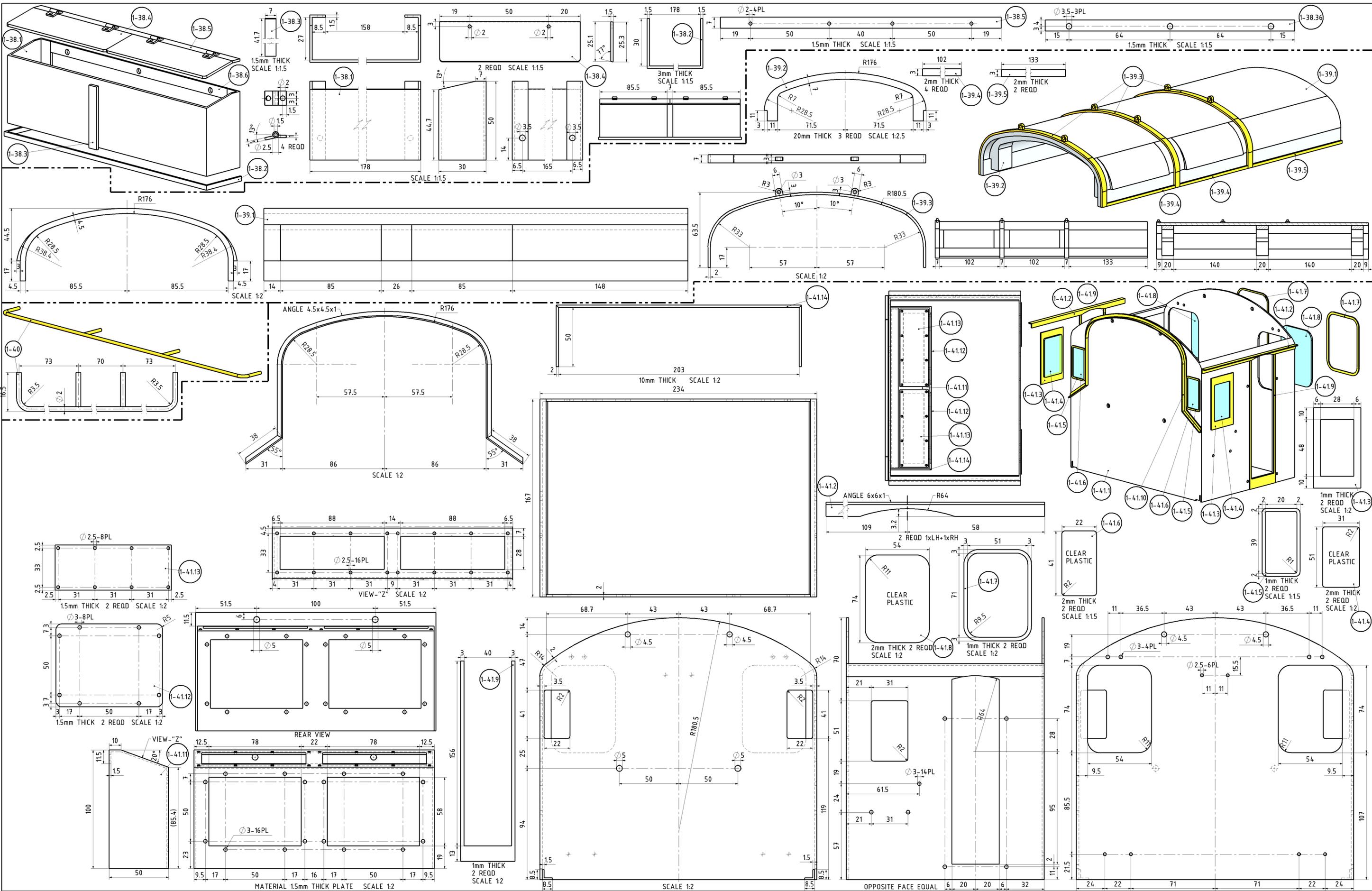
DRAWING CONTENTS  
**PARTS AND ASSEMBLIES**

PROJECT No 03-18-02  
 JDW DRAUGHTING SERVICES  
 J.A.M. DE WAAL, 12 BRIGHTWELL STREET PAKAPURA  
 2110, NEW ZEALAND. PHONE: 0064 09 2988815. MOB:  
 0211791000 E-MAIL: dewaal@xtra.co.nz.

PROJECTION  
**JDWDS** MODEL SCALE: 1:11.2  
 DWG SCALE: 1:1 @A2 OR AS SHOWN  
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 SHEET: 05 OF 08 **A2** No: 03-18-02-SHT-05

PLEASE NOTE THIS IS AN "A2" SIZE SHEET

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TITLE  
**DIESEL-ELECTRIC LOCOMOTIVE OF THE BRITISH RAILWAYS CLASS 08 (127mm/5" GAUGE)**

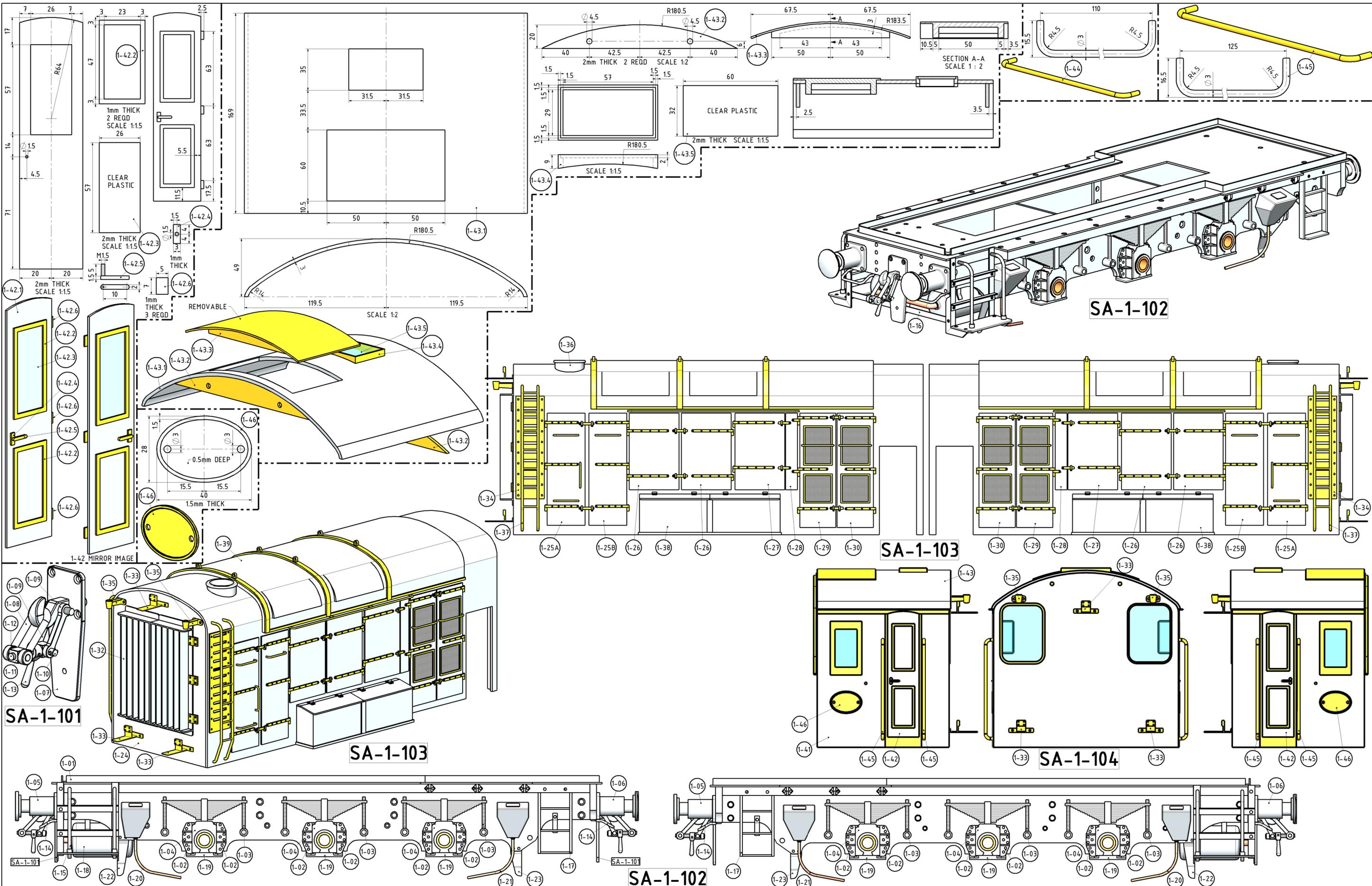
DRAWING CONTENTS  
**PARTS AND ASSEMBLIES**

PROJECT No **03-18-02**  
**JDW DRAUGHTING SERVICES**  
 J.A.M. DE WAAL, 12 BRIGHTWELL STREET PAPA KURA  
 2110, NEW ZEALAND. PHONE: 0064 09 2988815. MOB: 0211791000 E-MAIL: dewaal@xtra.co.nz.

PROJECTION  
**JDWDS** MODEL SCALE: 1:11.2  
 DWG SCALE: 1:1 @A2 OR AS SHOWN  
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 SHEET: 06 OF 08 **A2** No: **03-18-02-SHT-06**

PLEASE NOTE THIS IS AN "A2" SIZE SHEET

**DRAWINGS ARE FOR PERSONAL USE ONLY NOT FOR COMMERCIAL PURPOSES**

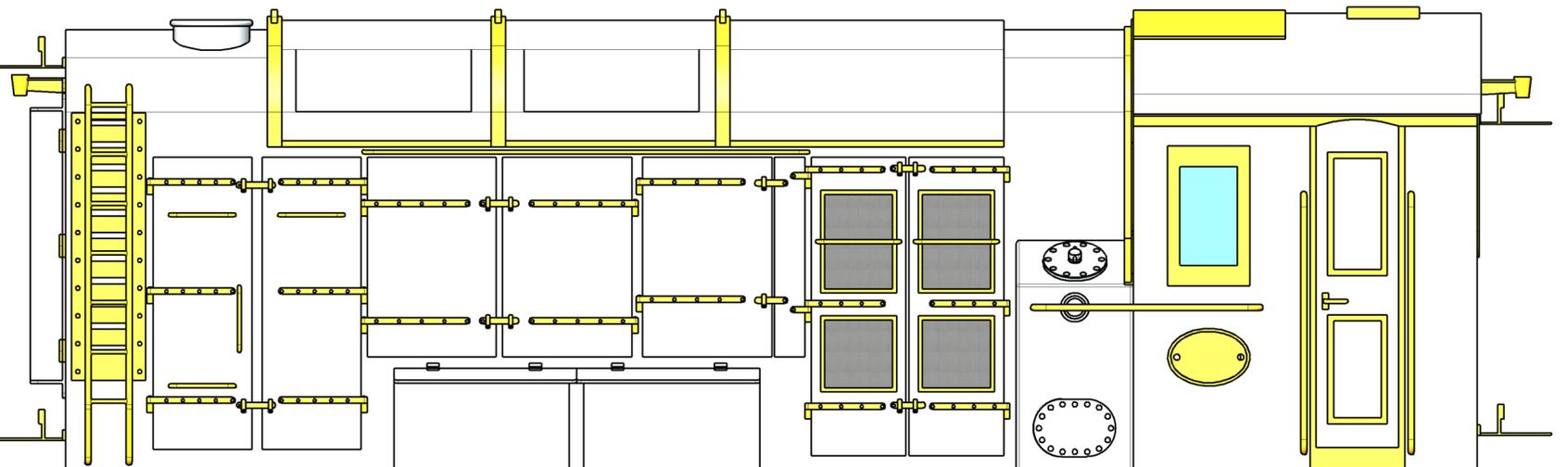
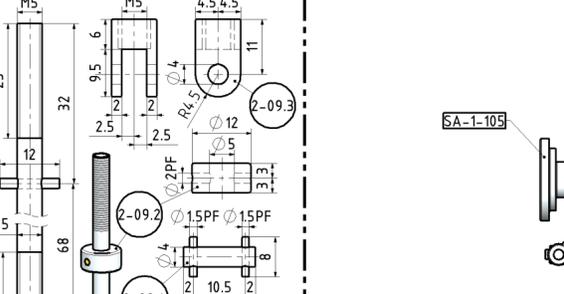
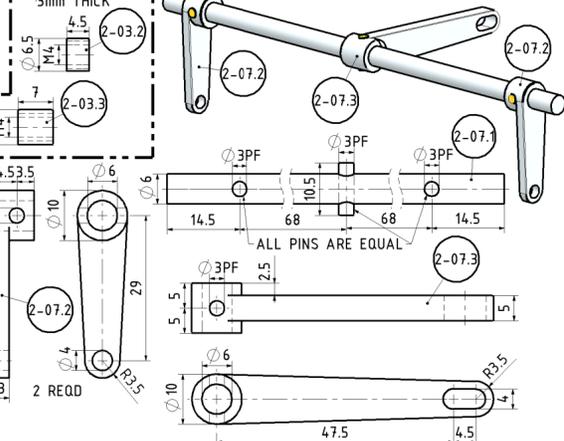
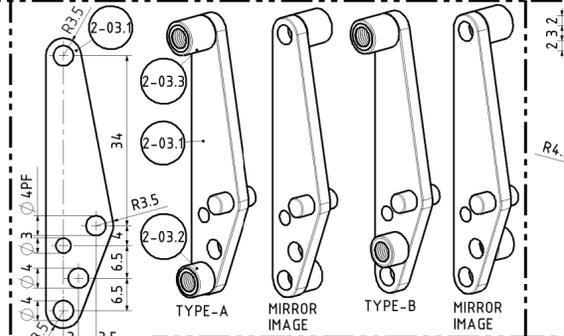
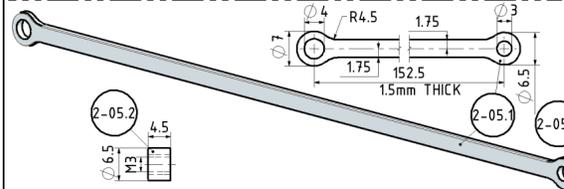
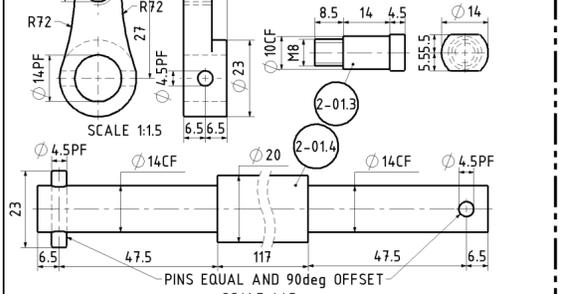
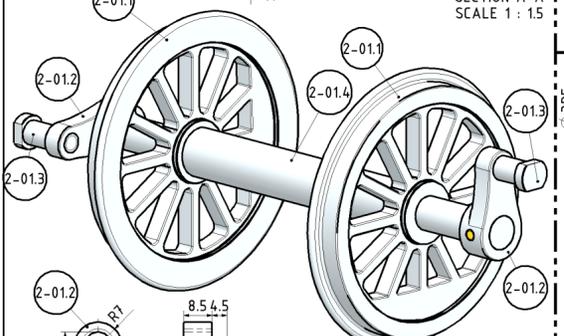
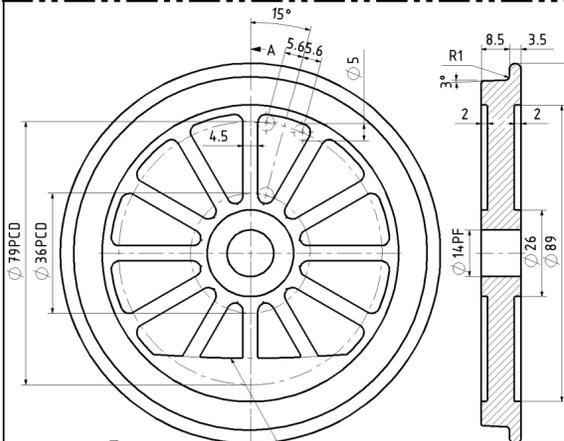
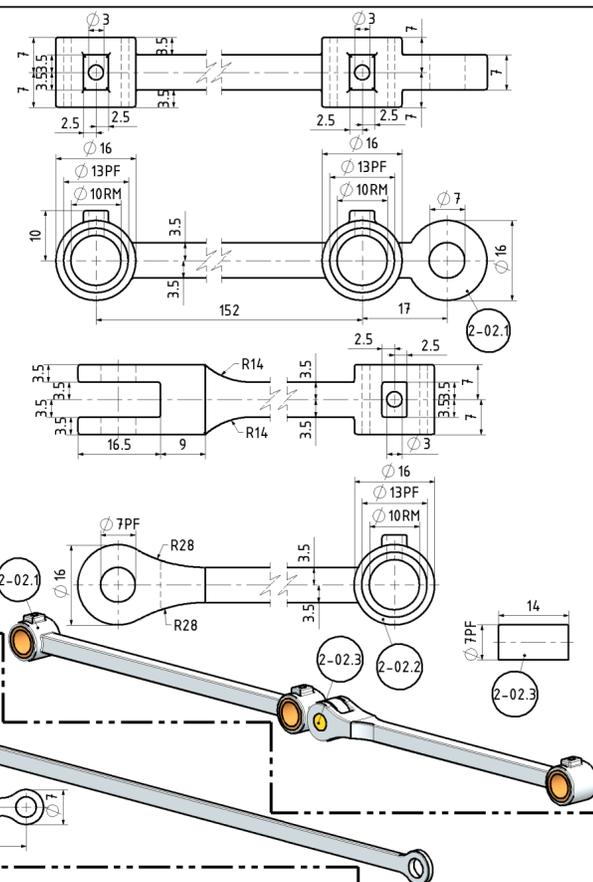
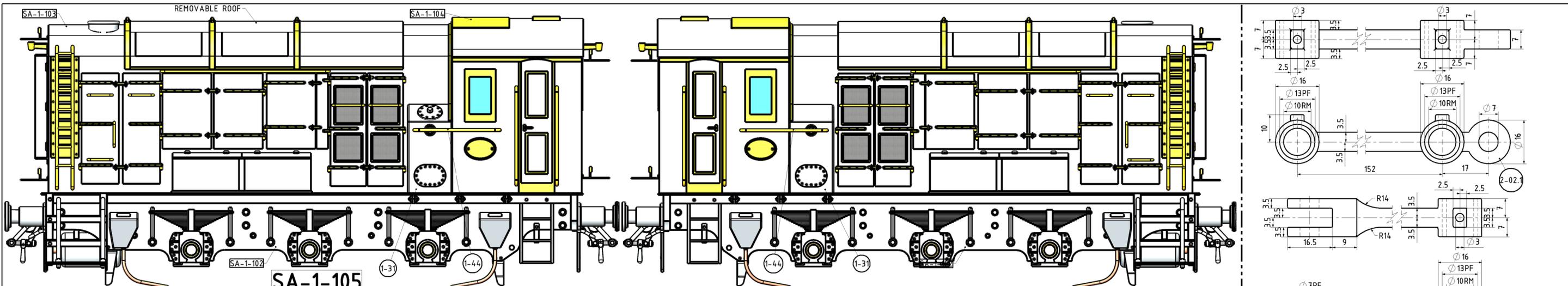


NOTES: THIS ENGINE IS BASED ON AN EARLIER PROJECT (03-18-00) WHICH WAS DRAWN UP IN OCTOBER 2019. THIS ENGINE SHOWN ON THESE DRAWINGS IS A CONVERSION FROM 89mm/3.5" TO 127mm/5" GAUGE

<p>TITLE  <b>DIESEL-ELECTRIC LOCOMOTIVE OF THE BRITISH RAILWAYS CLASS 08 (127mm/5" GAUGE)</b></p>	<p>DRAWING CONTENTS  <b>PARTS AND ASSEMBLIES</b></p>	<p>PROJECT No 03-18-02  <b>JDW DRAUGHTING SERVICES</b>          J.A.M. DE WAAL, 12 BRIGHTWELL STREET PAPAOKURA          2110, NEW ZEALAND. PHONE: 0064 09 2988815. MOB: 0211791000 E-MAIL: dewaal@xtra.co.nz.</p>	<p>PROJECTION  <b>JDWDS</b> MODEL SCALE: 1:11.2          DWG SCALE: 1:1 @A2 OR AS SHOWN          DATE: SEPTEMBER 2025 Copyright © J.A.M. DE WAAL PAPAOKURA NZ          SHEET: 07 OF 08 <b>A2</b> No: 03-18-02-SHT-07</p>
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PLEASE NOTE THIS IS AN "A2" SIZE SHEET

**DRAWINGS ARE FOR PERSONAL USE ONLY NOT FOR COMMERCIAL PURPOSES**



PARTS 2-03A, 2-3B, 2-04, 2-05, 2-06, 2-08 ARE REPEATED ON THE OPPOSITE SIDE

SA-2-201

NOTES: THIS ENGINE IS BASED ON AN EARLIER PROJECT (03-18-00) WHICH WAS DRAWN UP IN OCTOBER 2019. THIS ENGINE SHOWN ON THESE DRAWINGS IS A CONVERSION FROM 89mm/3.5" TO 127mm/5" GAUGE

<p>TITLE  <b>DIESEL-ELECTRIC LOCOMOTIVE OF THE BRITISH RAILWAYS CLASS 08 (127mm/5"GAUGE)</b></p>	<p>DRAWING CONTENTS  <b>PARTS AND ASSEMBLIES</b></p>	<p>PROJECT No 03-18-02  <b>JDW DRAUGHTING SERVICES</b>          J.A.M. DE WAAL, 12 BRIGHTWELL STREET PAKAPURA          2110, NEW ZEALAND. PHONE: 0664 09 2988815. MOB: 0211791000 E-MAIL: dewaal@xtra.co.nz.</p>	<p>PROJECTION  <b>JDWDS</b> MODEL SCALE: 1:11.2          DWG SCALE: 1:1 @A2 OR AS SHOWN          DATE: SEPTEMBER 2025 Copyright © J.A.M. DE WAAL PAKAPURA NZ          SHEET: 08 OF 08 <b>A2</b> No: 03-18-02-SHT-08</p>
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PLEASE NOTE THIS IS AN "A2" SIZE SHEET

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