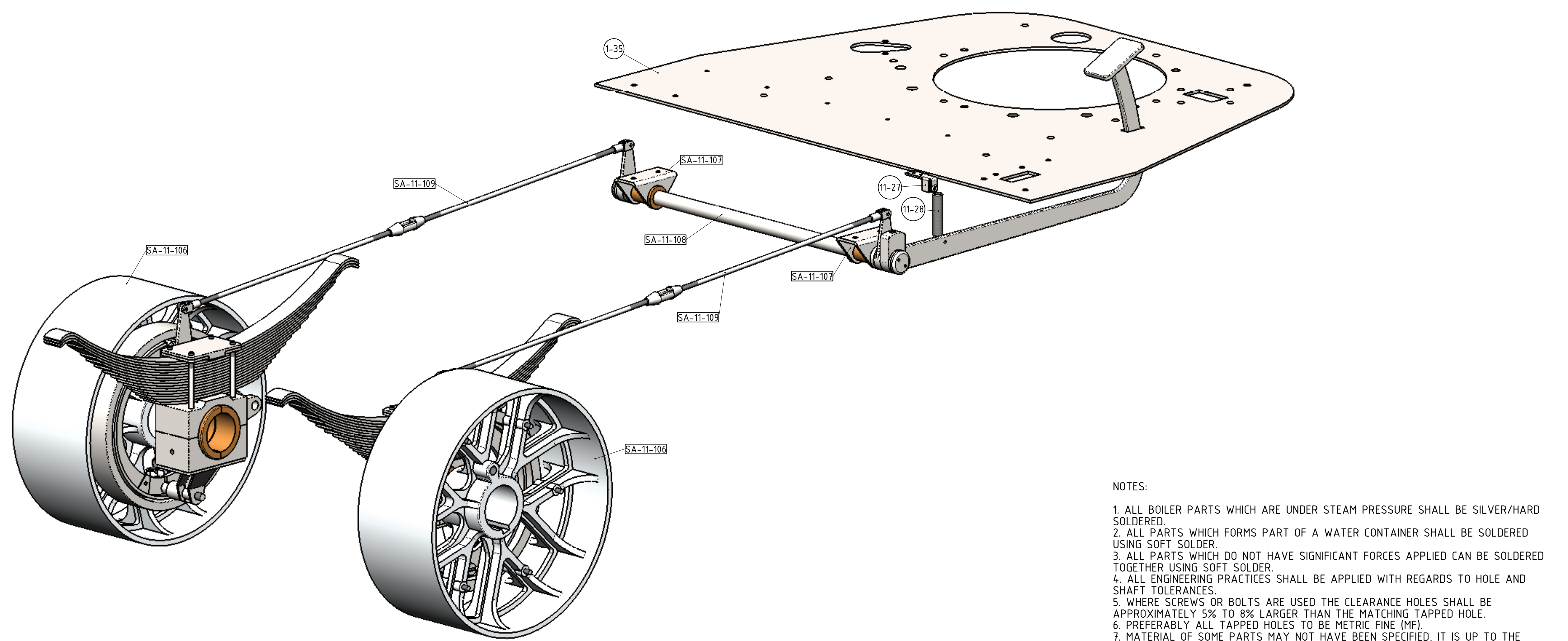




- NOTES:
- 1. ALL BOILER PARTS WHICH ARE UNDER STEAM PRESSURE SHALL BE SILVER/HARD SOLDERED.
 - 2. ALL PARTS WHICH FORMS PART OF A WATER CONTAINER SHALL BE SOLDERED TOGETHER USING SOFT SOLDER.
 - 3. ALL PARTS WHICH DO NOT HAVE SIGNIFICANT FORCES APPLIED CAN BE SOLDERED TOGETHER USING SOFT SOLDER.
 - 4. ALL ENGINEERING PRACTICES SHALL BE APPLIED WITH REGARDS TO HOLE AND SHAFT TOLERANCES.
 - 5. WHERE SCREWS OR BOLTS ARE USED THE CLEARANCE HOLES SHALL BE APPROXIMATELY 5% TO 8% LARGER THAN THE MATCHING TAPPED HOLE.
 - 6. PREFERABLY ALL TAPPED HOLES TO BE METRIC FINE (MF).
 - 7. MATERIAL OF SOME PARTS MAY NOT HAVE BEEN SPECIFIED, IT IS UP TO THE BUILDER TO USE MATERIALS WHICH WOULD BE THE MOST SUITED.
 - 8. BEFORE THE BOILER IS BEING USED IT SHOULD BE TESTED TO TWICE THE MAXIMUM WORKING PRESSURE USING WATER PRESSURE. A CERTIFICATE OF COMPLIANCE SHOULD BE OBTAINED FROM THE APPROPRIATE AUTHORITIES.
 - 9. DRAWING SHEETS 01 TO 15 SHOW ONLY THE PARTS AND ASSEMBLIES OF THE WAGON WITH THE BRAKING SYSTEM.
 - 10. IF A BRAKING SYSTEM IS TO BE INCORPORATED REFER TO SHEETS 20 AND 21.
 - 11. IF A BRAKING SYSTEM IS FITTED, THEN SOME ALTERATIONS HAVE TO BE MADE TO SOME OF THE PARTS/COMPONENETS WHICH ARE SHOWN ON SHEETS 03 TO 11.

MATERIAL ABBREVIATIONS:

CI = CAST IRON.
CU = COPPER
BRS = BRASS.
BRZ = BONZE OR GUN METAL
BMS = BRIGHT MILD STEEL.
S/S = STAINLESS OF SILVER STEEL.
MS = MILD STEEL
SPS = SPRING STEEL

OTHER ABBREVIATIONS:

SA-x-xxx = SUB ASSEMBLY-x-xxx

NOTES: THE CLAYTON UNDERTYPE STEAM WAGON BRAKING SYSTEM WAS FIRST PUBLISHED IN THE "MODEL ENGINEER" MAGAZINE FROM APRIL 1986 TO JULY 1986 IN 2"/FT (1/6) SCALE BY B.LUNDBERG			PLEASE NOTE THIS AN A2 SIZE SHEET	
TITLE CLAYTON UNDERTYPE STEAM WAGON BRAKING SYSTEM	DRAWING CONTENTS PARTS AND ASSEMBLIES	PROJECT No 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	MODEL SCALE: 4"/FT (1/3)
			DATE SEPTEMBER 2014	DWG SCALE: 1:1 @A2 OR AS SHOWN
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			SHEET:02 OF 02	A2 No: CLAYTON-21