

PARTS & SERVICE NEWS

REF NO. AA04086

DATE June 15, 2004

(C)

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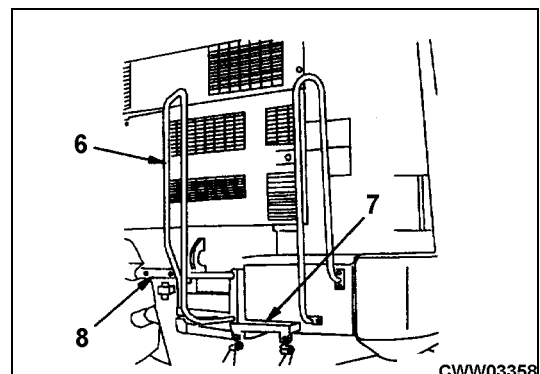
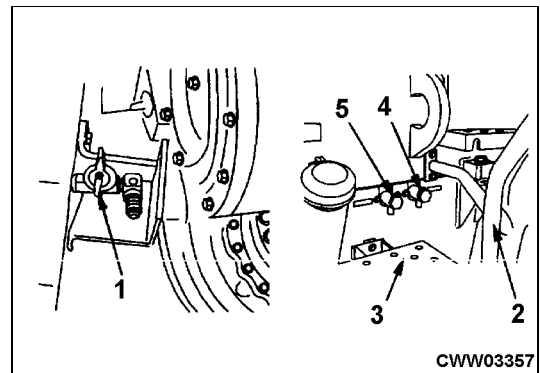
- SUBJECT:** WA600-3L INCREASED CAPACITY FUEL TANK
- PURPOSE:** To provide information and instructions for the installation of a field increased capacity fuel tank.
- APPLICATION:** WA600-3L WHEEL LOADER - Serial Number A53033
- FAILURE CODE:** 041199
- DESCRIPTION:** This will provide the necessary parts and instructions to increase the fuel tank size by fabricating additional capacity.

Read and follow all SAFETY NOTICES, WARNINGS, and PRECAUTIONS contained in the Shop Manual.

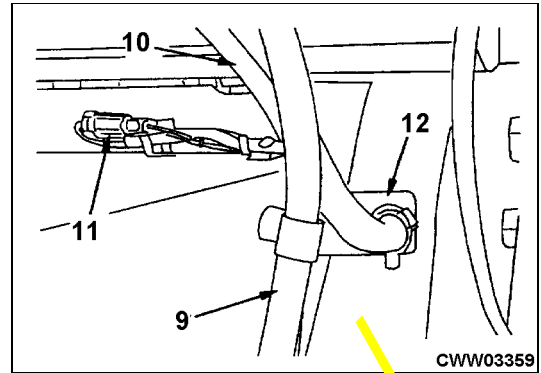
- WARNING!** Stop the machine on level ground, lower the work equipment completely to the ground, then stop the engine. Apply the parking brake and block the wheels to prevent the machine from moving.
- WARNING!** Disconnect the cable from the negative (-) terminal of the battery.
- WARNING!** Do not weld on an empty fuel tank. Fire or explosion could result. Drain the tank completely of fuel then fill completely with water. No air or fuel vapor should be in the tank. This should prevent fire during welding.

REMOVAL

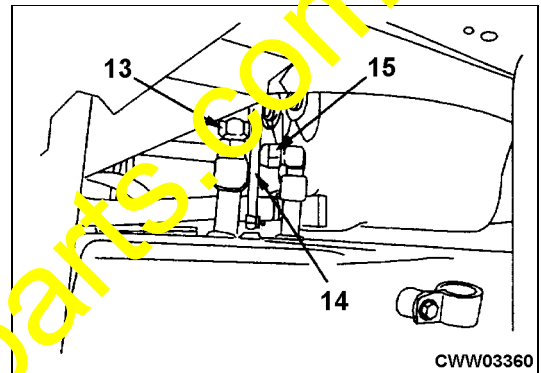
1. Drain the fuel from the tank through the drain valve (1).
 - ★ Note the amount of fuel remaining in the tank before beginning the drain procedure.
 - Fuel tank capacity (full), 670 R (177 U.S. gal)
2. Remove the handrail (2), then remove the step (3).
3. Disconnect the engine oil drain valve (4).
4. Disconnect the radiator drain valve (5).
- ★ Disconnect the clamp on top of the fuel tank.
5. Remove the handrail (6), then remove the step (7).
6. Remove the step (8).



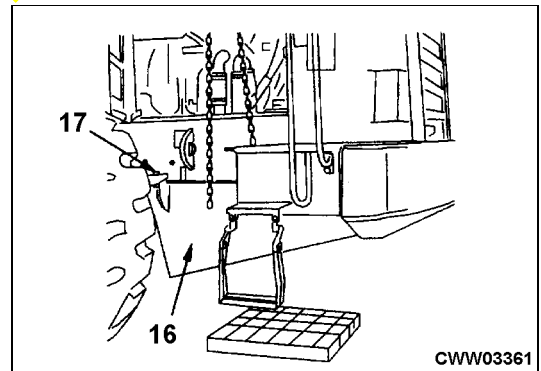
7. Disconnect the engine cooler drain hose (9) and muffler drain hose (10).
8. Disconnect the fuel level sensor connector R05 (11).
9. Disconnect the torque converter oil cooler coolant drain valve (12) from the tank.



10. Disconnect the fuel return hose (13).
11. Disconnect the spill hose (14).
12. Disconnect the fuel strainer hose (15).

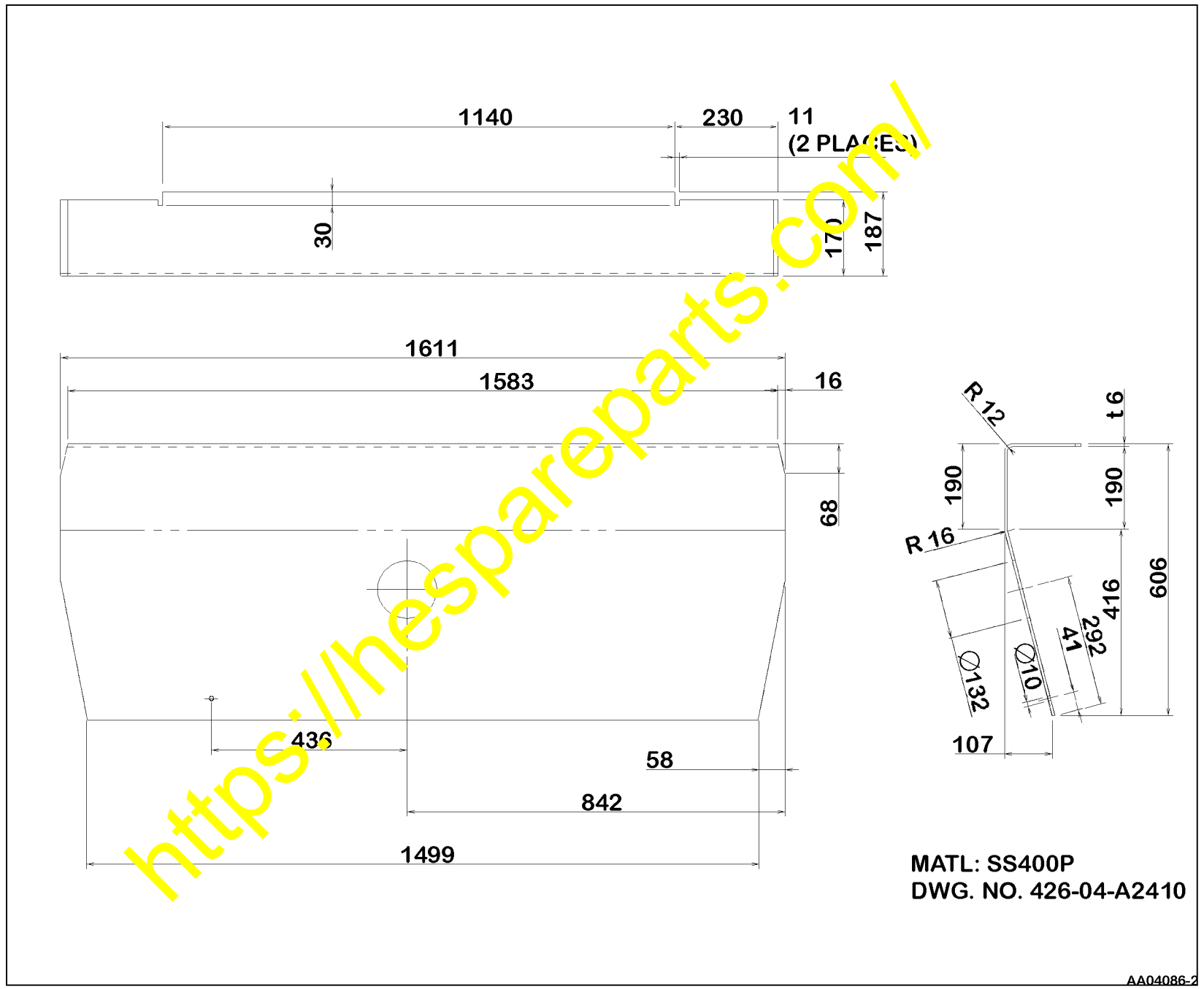


13. Sling the fuel tank (16) temporarily, remove the mounting bolt (17), then remove the tank.
 - ★ Place a pallet under the fuel tank, then slowly lower the tank onto the pallet while keeping it balanced.Fuel tank: 420 kg (617 lb)

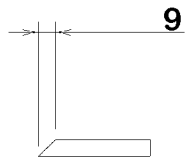
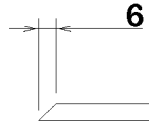
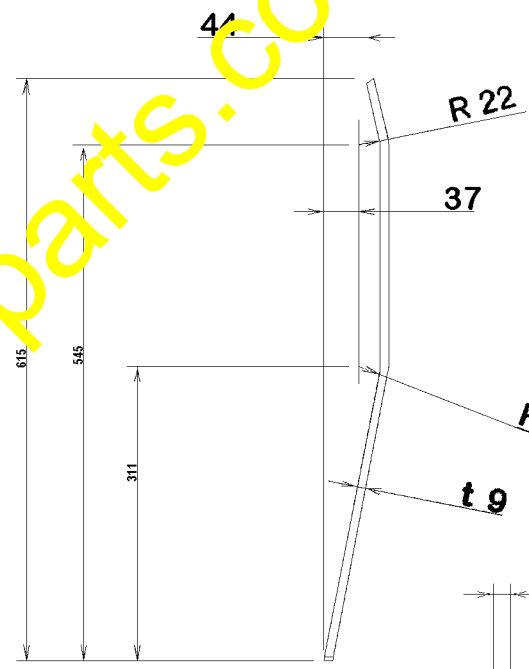
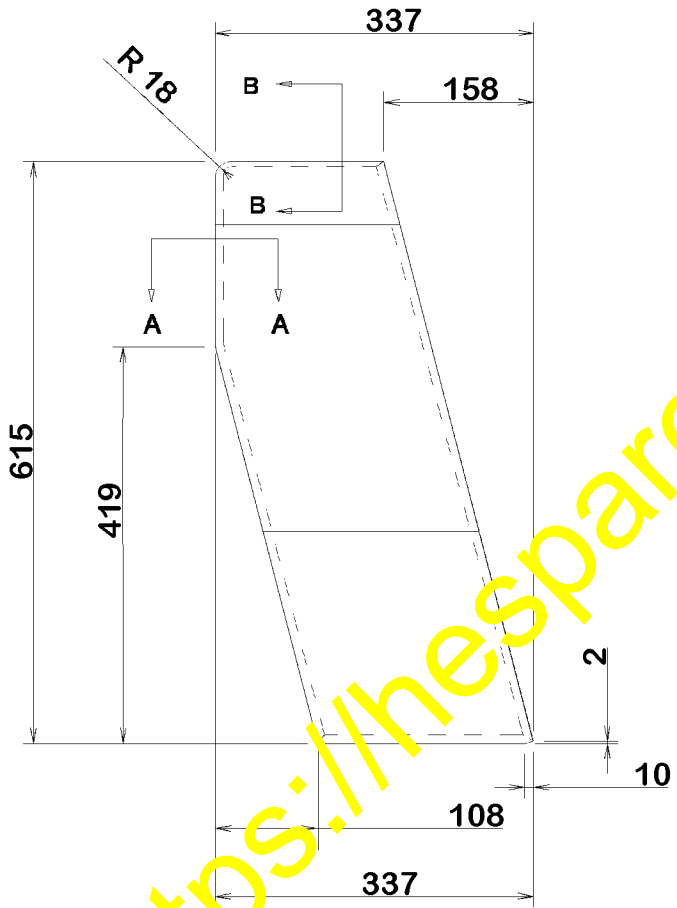


ADDITIONAL PARTS

1. Fabricate the following parts according to their drawings which follow:
 - 426-04-A2410
 - 426-04-A2420
 - 426-04-A2430
 - 426-04-A2440
 - 426-04-A2450
 - 426-04-A2460
 - 426-04-A2470

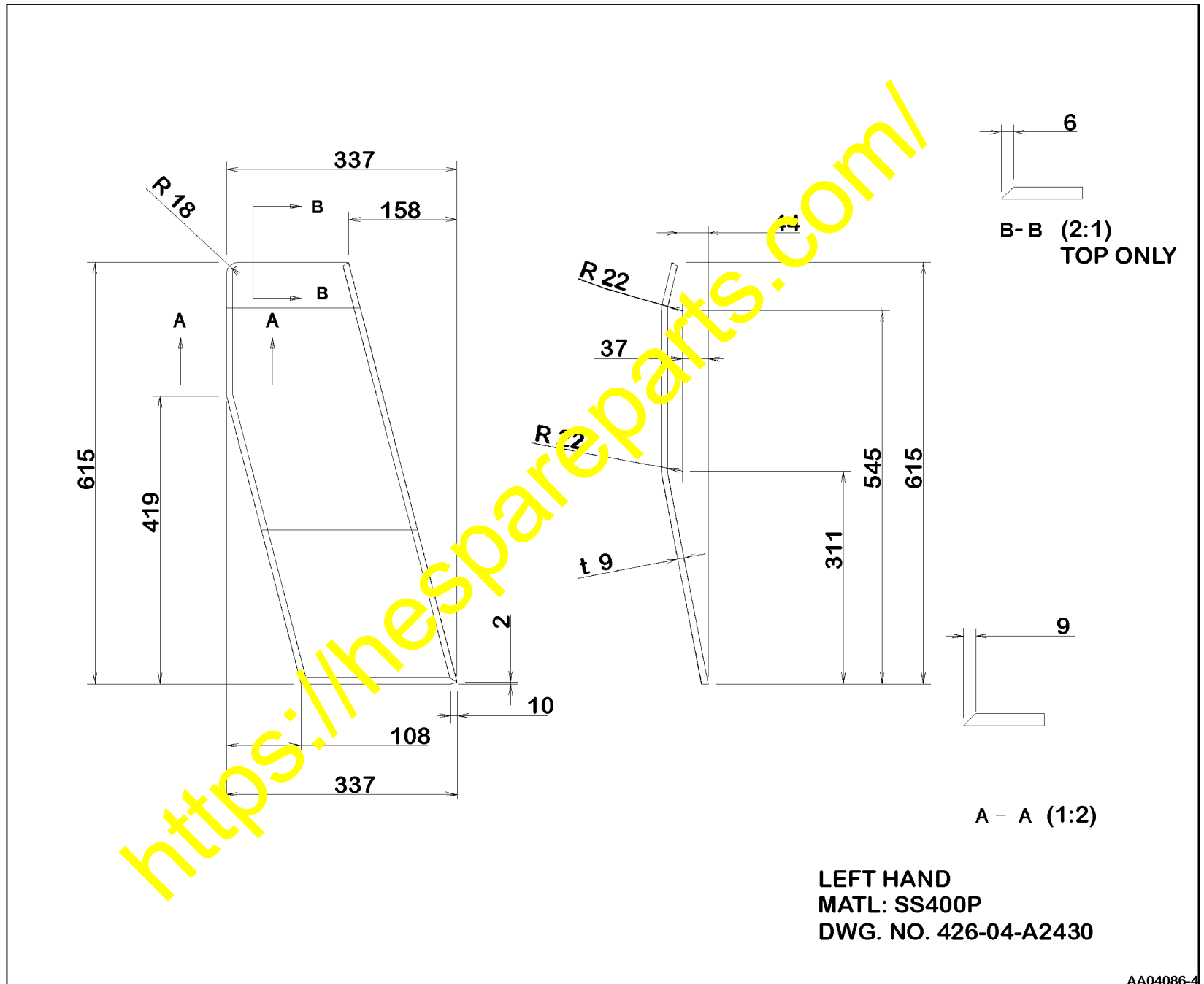


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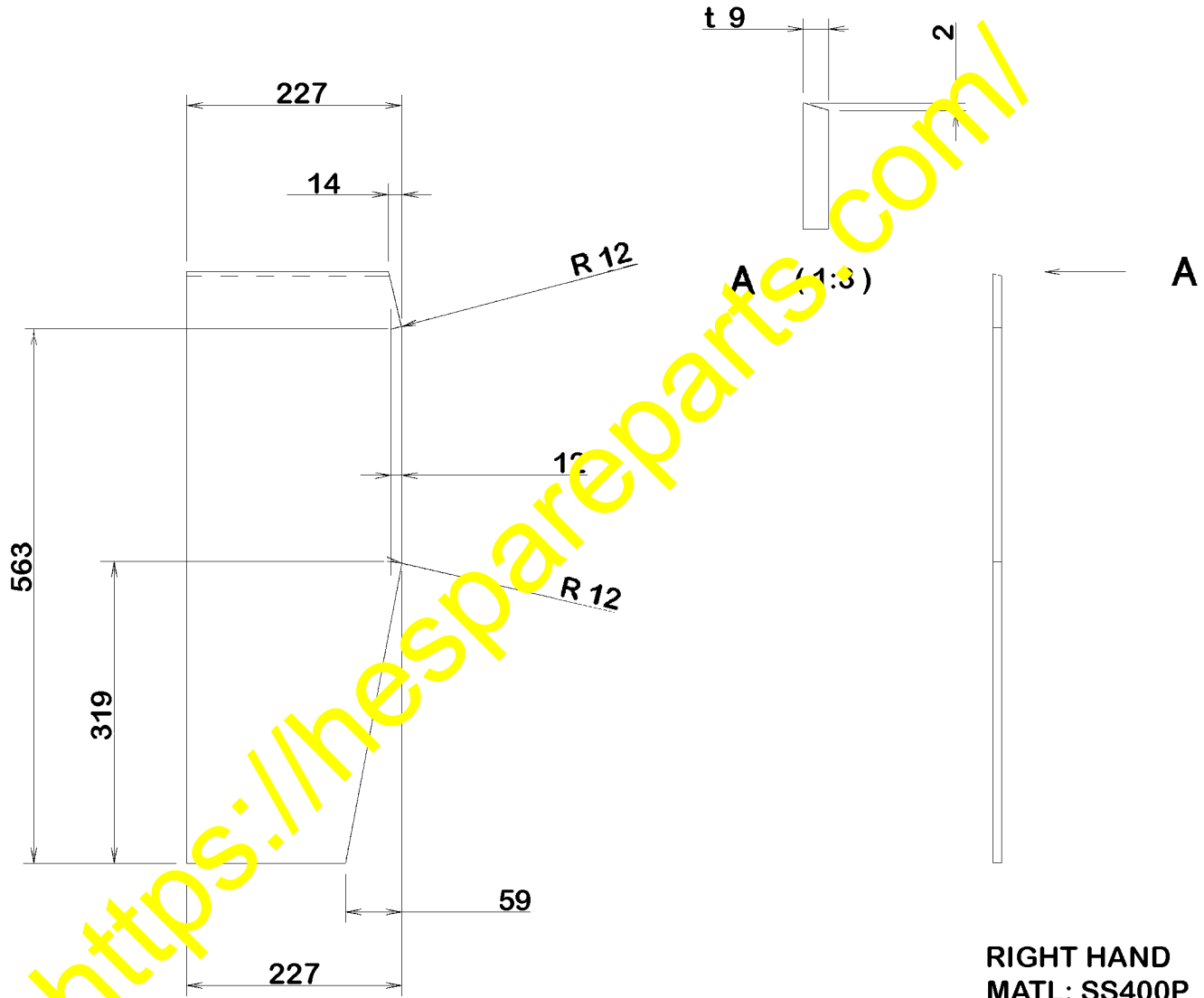


RIGHT HAND
MATL: SS400P
DWG. NO. 426-04-A2420

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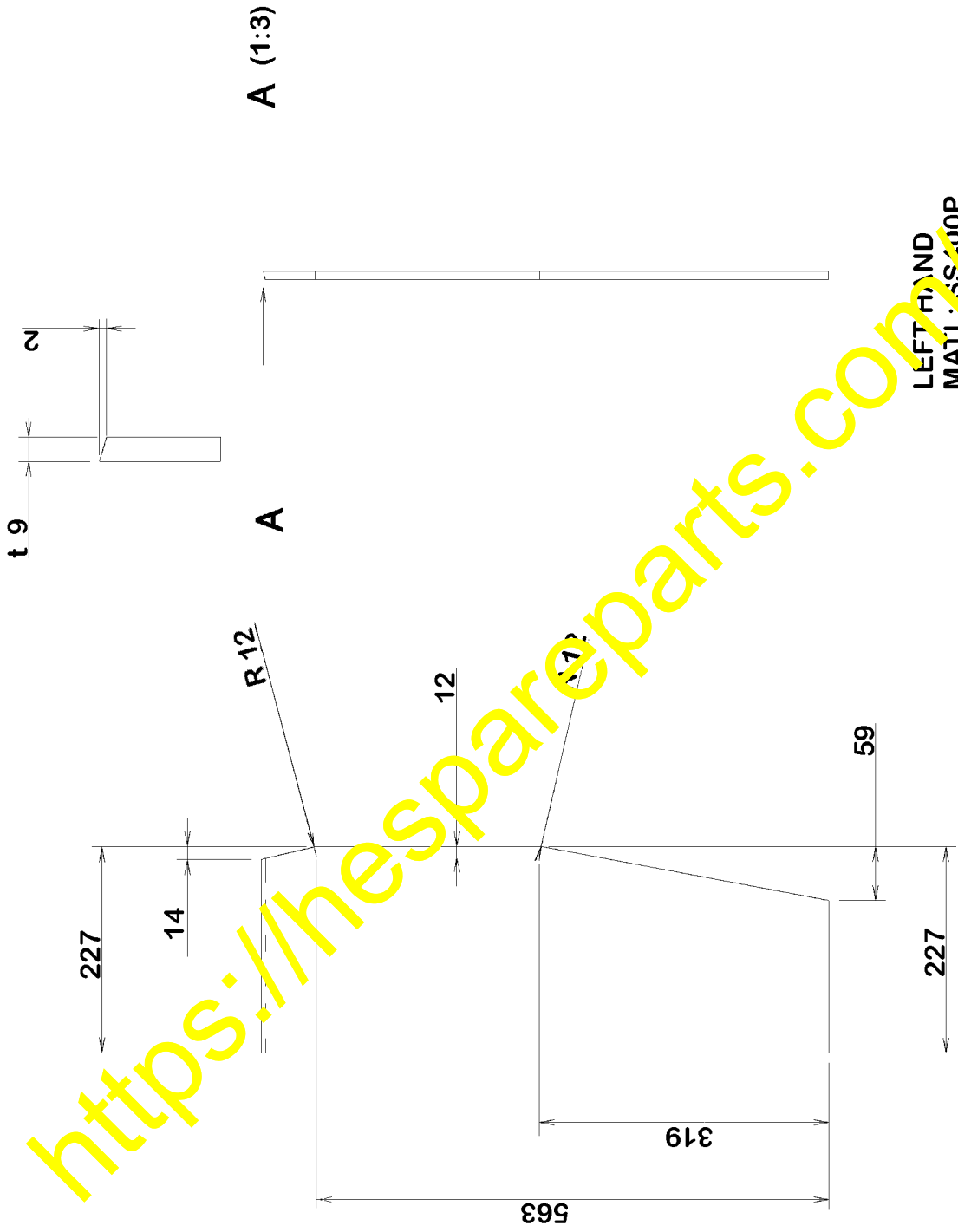


LEFT HAND
MATL: SS400P
DWG. NO. 426-04-A2430



RIGHT HAND
MATL: SS400P
DWG. NO. 426-04-A2440

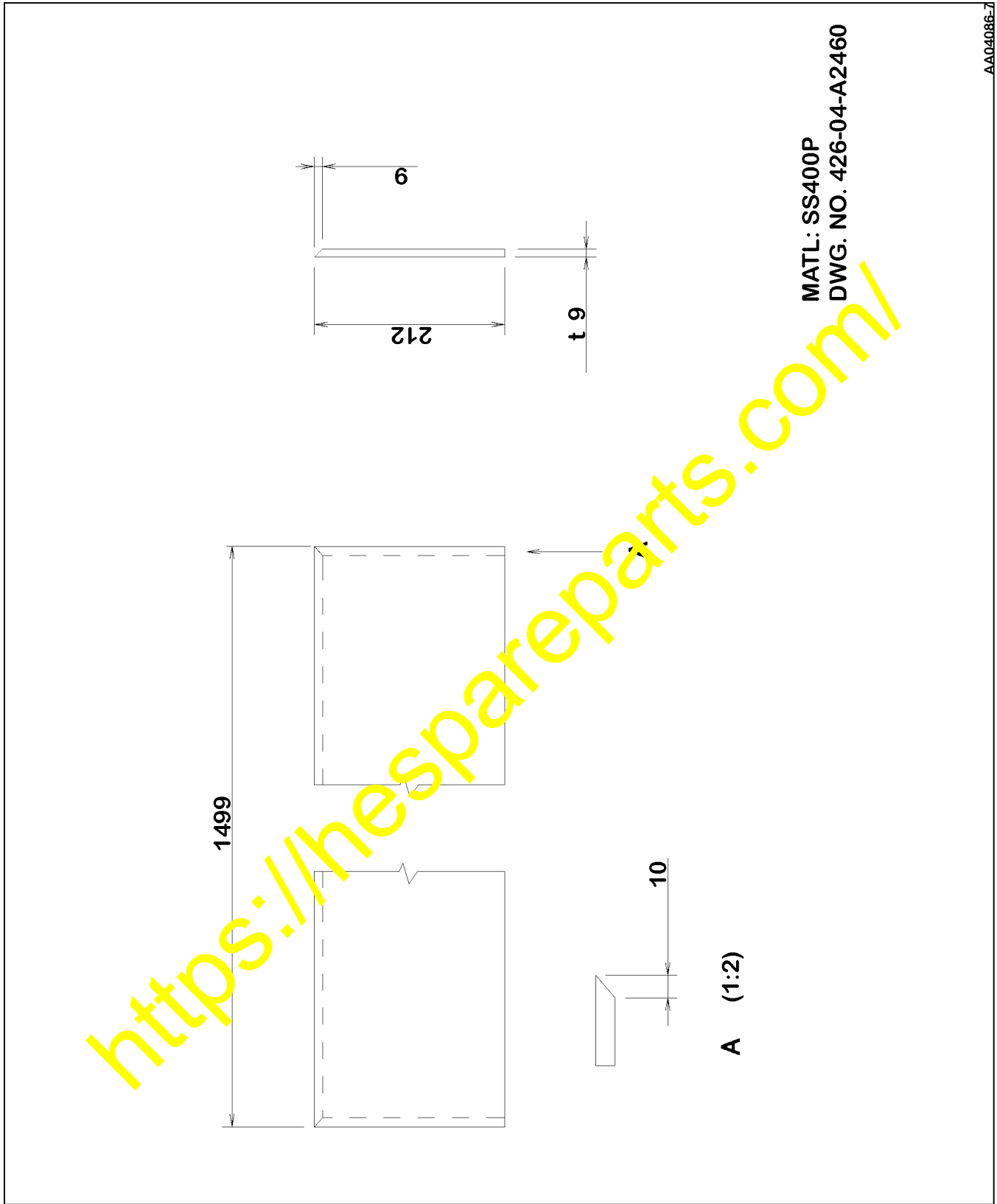
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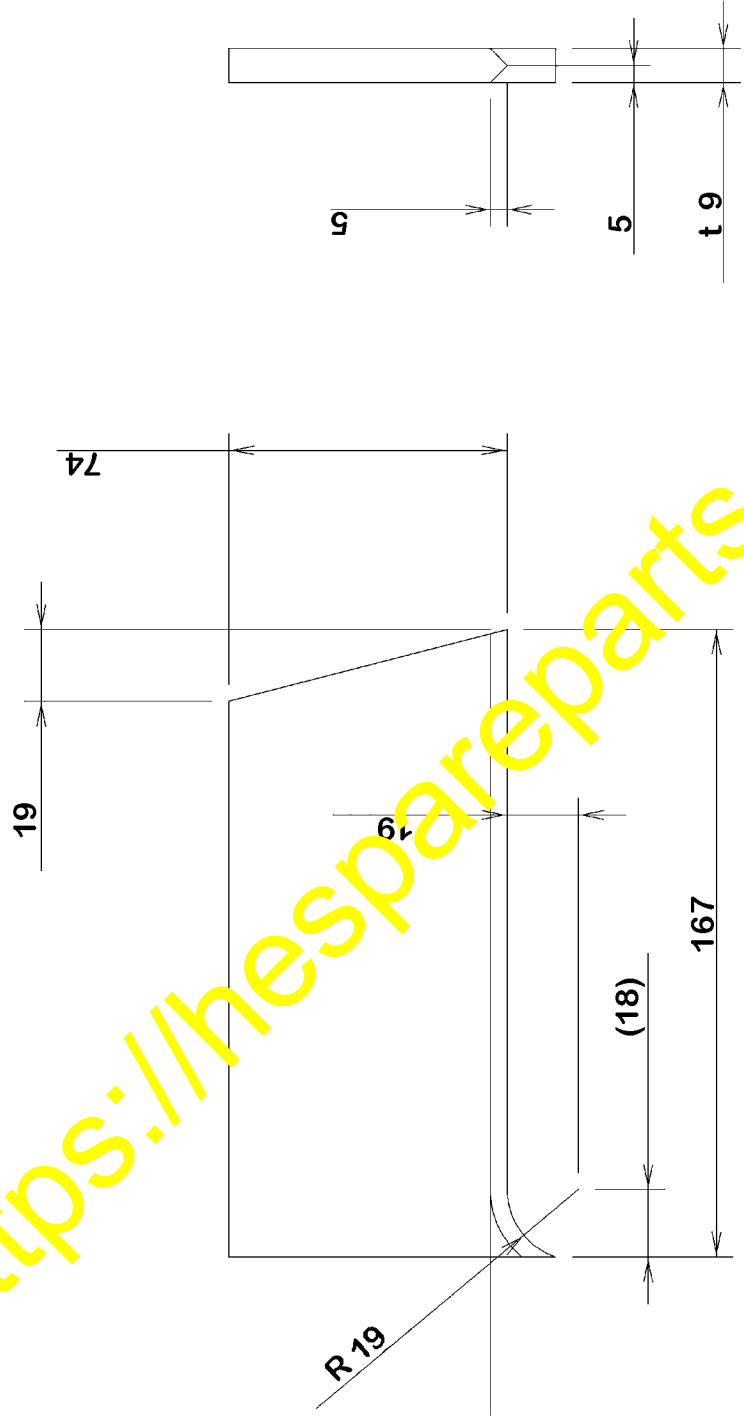
LEFT HAND
MATERIAL
DWG. NO. 426-04-A2450

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AA04086-6



AA04086-B



MATL: SS400P
DWG. NO. 426-04-A2470

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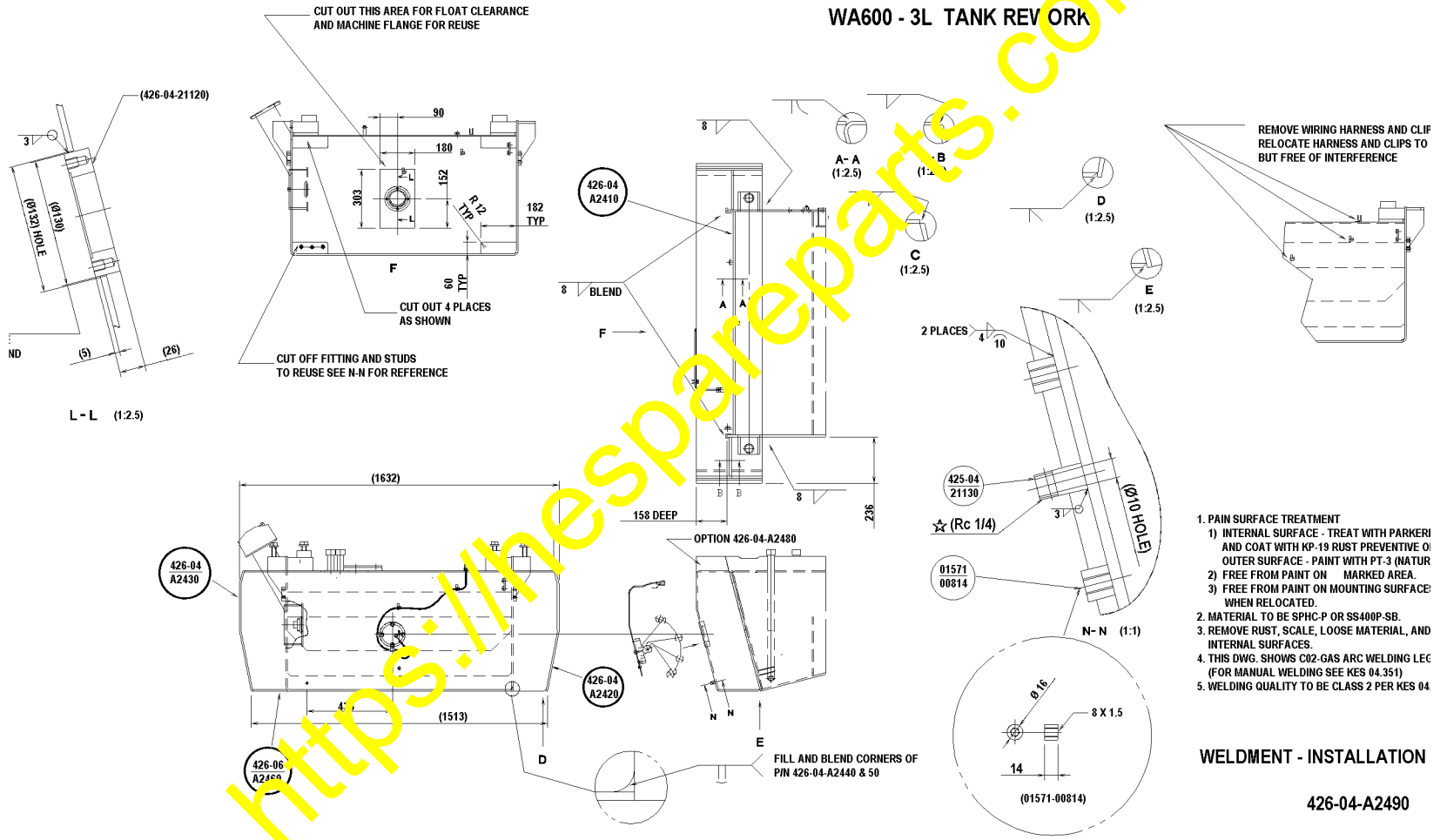
WARNING! Do not weld on an empty fuel tank. Fire or explosion could result. Drain the tank completely of fuel then fill completely with water and drain. No air or fuel vapor should be in the tank. This should prevent fire during welding.

WARNING! Follow *Recommended Safe Practices for the Preparation for Welding and Cutting Containers That Have Held Hazardous Substances*, AWS F4.1.

- ★ After fabricating the above parts and prior to modifying the fuel tank, drain and clean the fuel tank, making sure all traces of fuel and water or vapor are removed.
- ★ Follow all instructions listed on the following drawing to modify the fuel tank following all standard safety welding practices.

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WA600 - 3L TANK REV ORK



1. PAINT SURFACE TREATMENT
- INTERNAL SURFACE - TREAT WITH PARKERI AND COAT WITH KP-19 RUST PREVENTIVE ON OUTER SURFACE - PAINT WITH PT-3 (NATUR)
 - FREE FROM PAINT ON MARKED AREA.
 - FREE FROM PAINT ON MOUNTING SURFACE WHEN RELOCATED.
2. MATERIAL TO BE SPHC-P OR SS400P-SB.
3. REMOVE RUST, SCALE, LOOSE MATERIAL, AND INTERNAL SURFACES.
4. THIS DWG. SHOWS C02-GAS ARC WELDING LEC (FOR MANUAL WELDING SEE KES 04.351)
5. WELDING QUALITY TO BE CLASS 2 PER KES 04

WELDMENT - INSTALLATION

426-04-A2490

INSTALLATION

1. Perform the removal procedures in reverse order to complete installation.



Mount bolt: 824 - 1030 Nm (608 - 760 lb ft)

- ★ Drain all water from the tank and dry the inside thoroughly before refilling with fuel.

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