

Hydraulic System

DESCRIPTION

!WARNING!

W1. Hydraulic System

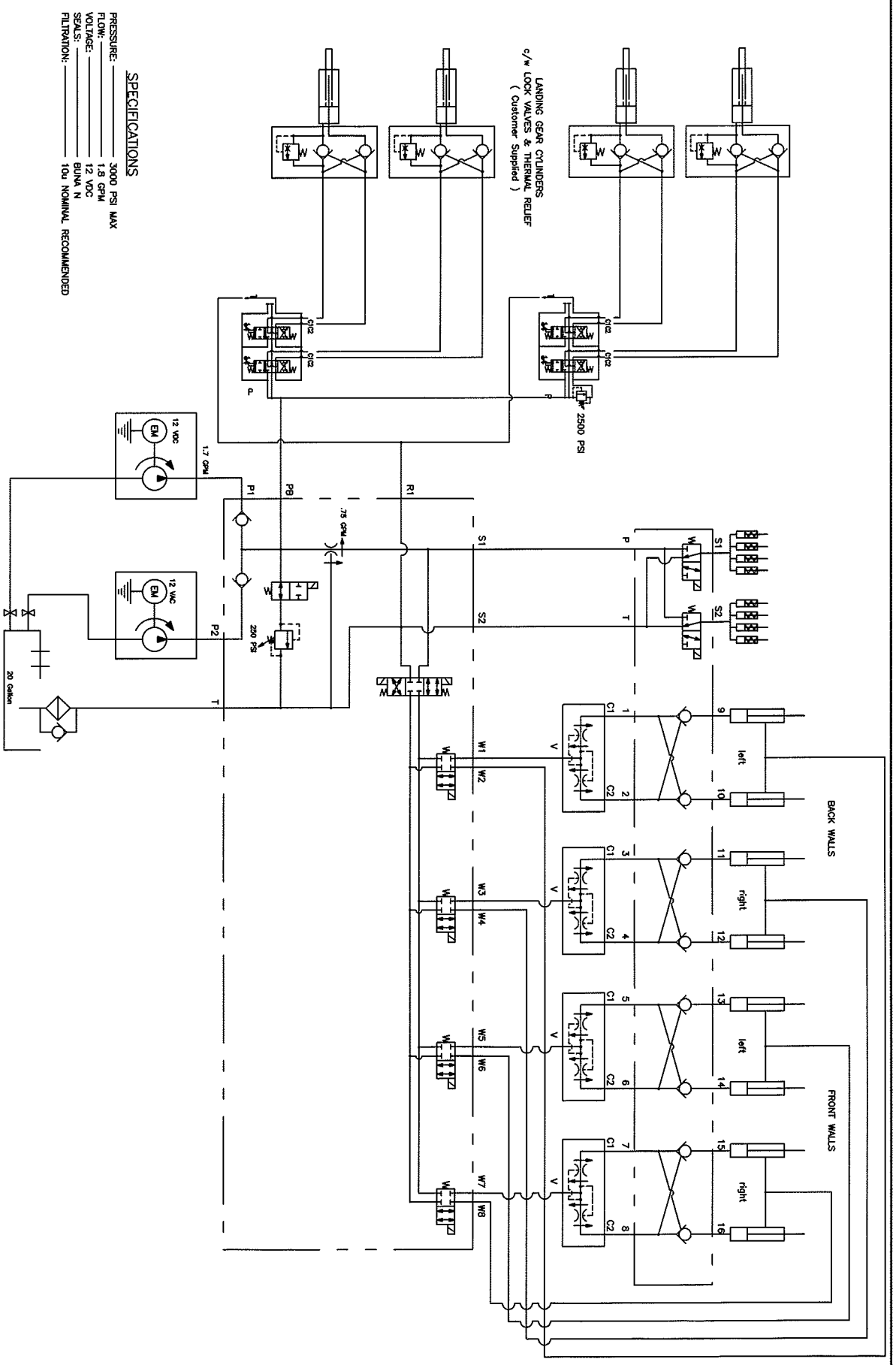
The hydraulic system can cause extreme injury and even **DEATH!** if anyone is **TRAPPED BETWEEN MOVING PARTS**. Only trained and authorized personnel should operate the hydraulic system. It is very important that the person operating the control module is in constant communication with all other set-up staff personnel and that a system of commands be used. Examples of commands used include “Wall coming out”, and “Wall coming in”, the response to these commands should be “Clear” or “Stop.” Upon calling for a “Stop” the controller should respond with “All Stop” and should remove his hand from the control buttons. Prior to opening or closing any hydraulic system, visually inspect the area for any obstruction or unsafe condition and at all times control the access of people in the area. A detailed safety and obstruction inspection should be performed on the inside of the unit to ensure that nothing will be crushed.

CAUTION!

C21. Hydraulic Pumps

Hydraulic pumps run consistently when any pump (power) switch is activated. Prolonged running of pumps can deplete 12 volt battery power which will cause you to not be able to raise or lower the unit. Turn off every pump (power) switch and the hydraulic red rotary switch when not moving the leveling, landing gears or stabilizer jacks.

The hydraulic system is located in the curbside #4 belly box. The system uses a dual pump system and is powered by both 110 Volt AC (at the time of printing of this manual, the 110 AC pump is not enabled), and 12 Volt DC. Either pump will power the system individually or they can both be used together. The hydraulic system distributes fluid through metal lines to all of the various hydraulic cylinders that power the walls, floors, and levelers. These long-life cylinders use safety valves to lock the system in the event of a pressure failure. The hydraulic system is controlled by a hand-held control module that plugs into different sockets to control appropriate wall sections, floors, or levelers.



SPECIFICATIONS

PRESSURE: 3000 PSI MAX

FLOW: 1.8 GPM

VOLTAGE: 12 VDC

SEALS: Buna N

FILTRATION: 10µ NOMINAL, RECOMMENDED



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Hydraulic Schematic

FILENAME: 20100329_WALL_LANDING_GEAR_HYD.DWG

RELEASE LEVEL: PROD	REVISION: 0
DRAWN BY: JRM	CHANGED BY: TLG
DATE DRAWN: 05/14/2007	SHEET: 1 OF 1
PLATFORM: COM53	MMU TYPE: ---