



Loading Bridge Operator User Guide

Victoria Airport Authority



Consult your company guidelines before attempting to dock any bridge to an aircraft





Bridge Assembly

The Rotunda



The Rotunda is the part of the bridge that is positioned next to the terminal building. It is bolted to the apron and is the point which pivots vertically and horizontally.





Main Power Disconnect Panel



IMPORTANT NOTICE

**Access to main power
disconnect panel is restricted
to VAA staff only**



Tunnel Assembly



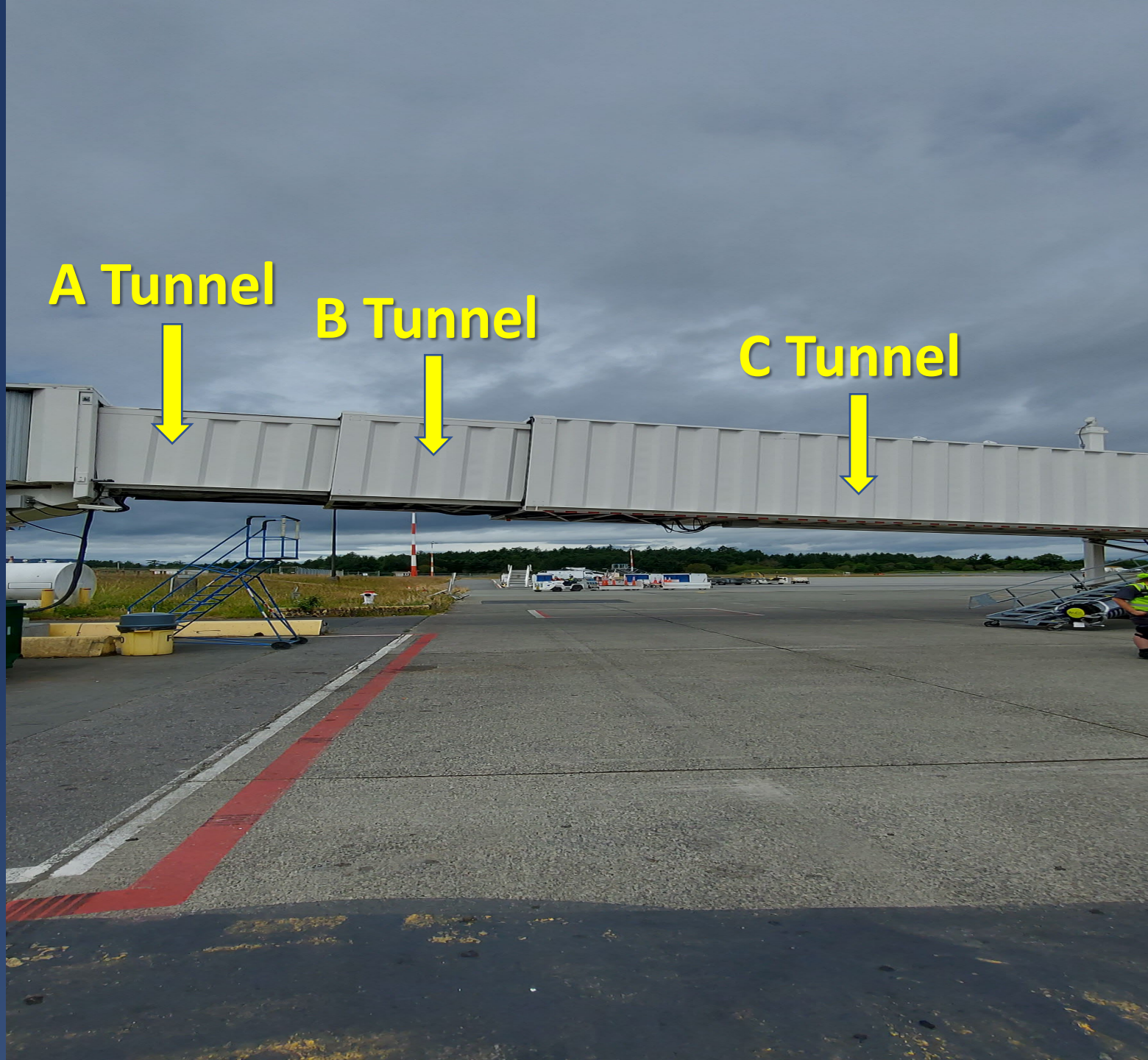
A Tunnel



B Tunnel



C Tunnel





**Under the C tunnel is the
wheel/drive assembly**



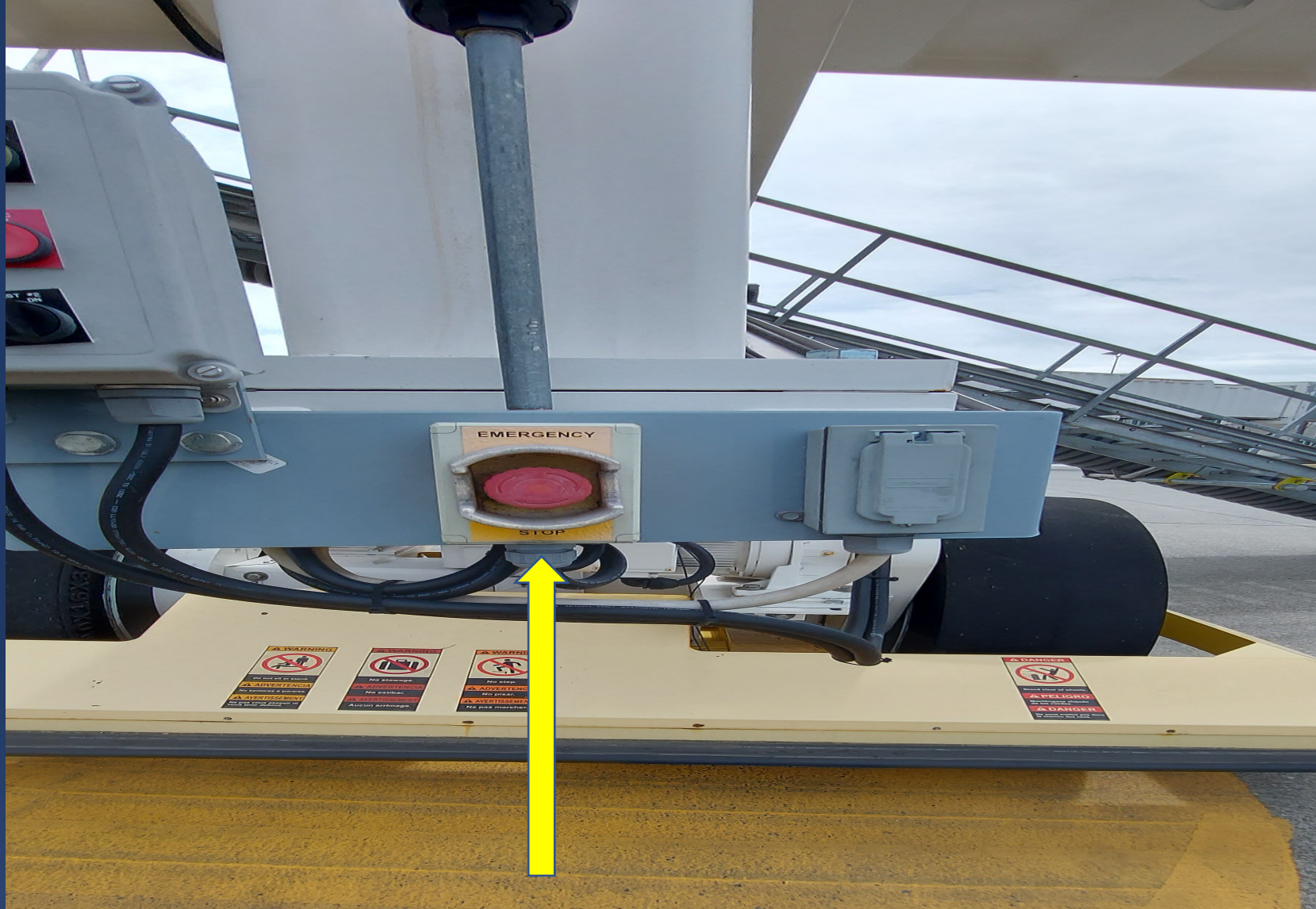
**The wheels allow the bridge to
move around the apron**



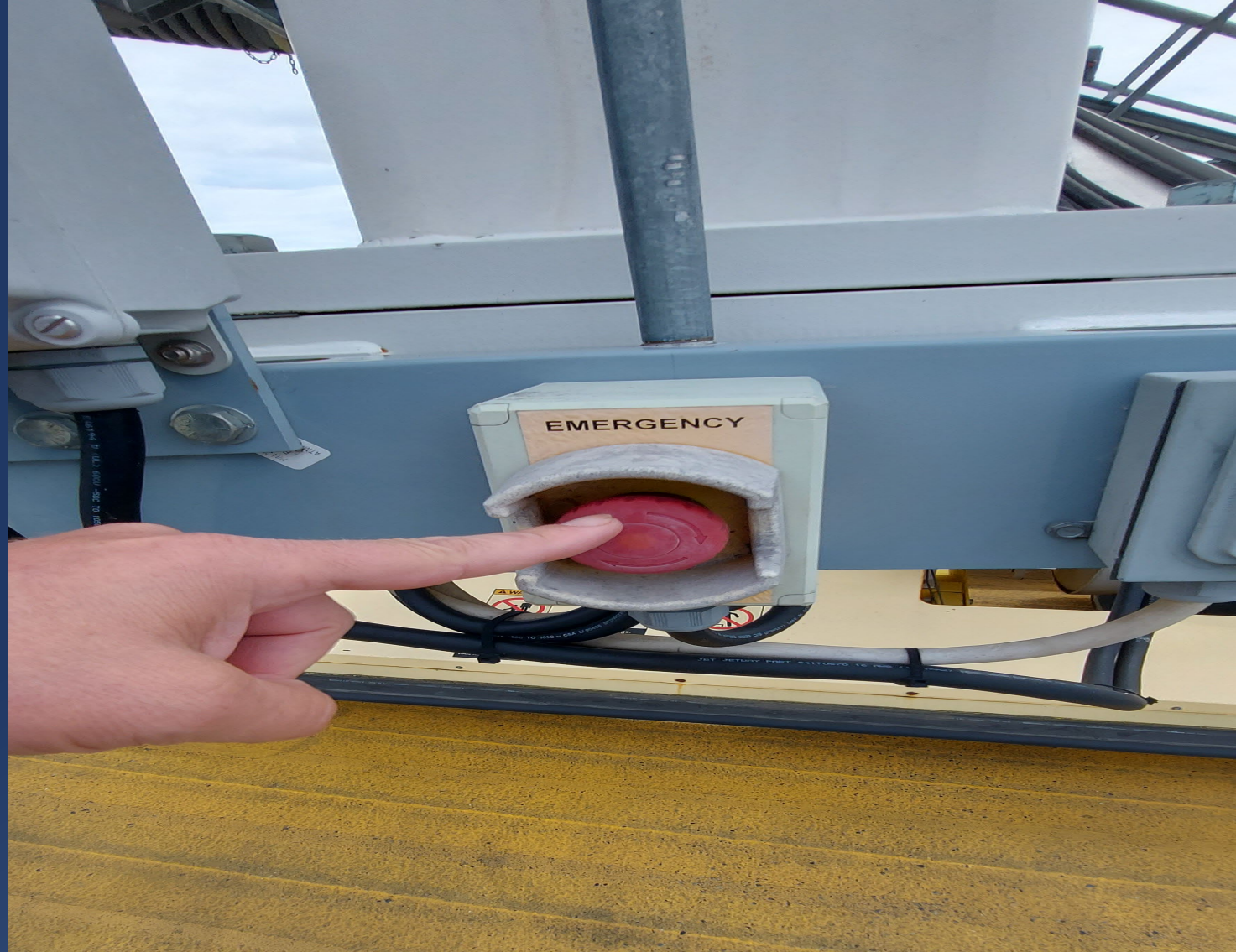
There is a safety bumper located on the front and rear of the wheel assembly



The bridge will cease operating if the safety bumper comes in contact with anything

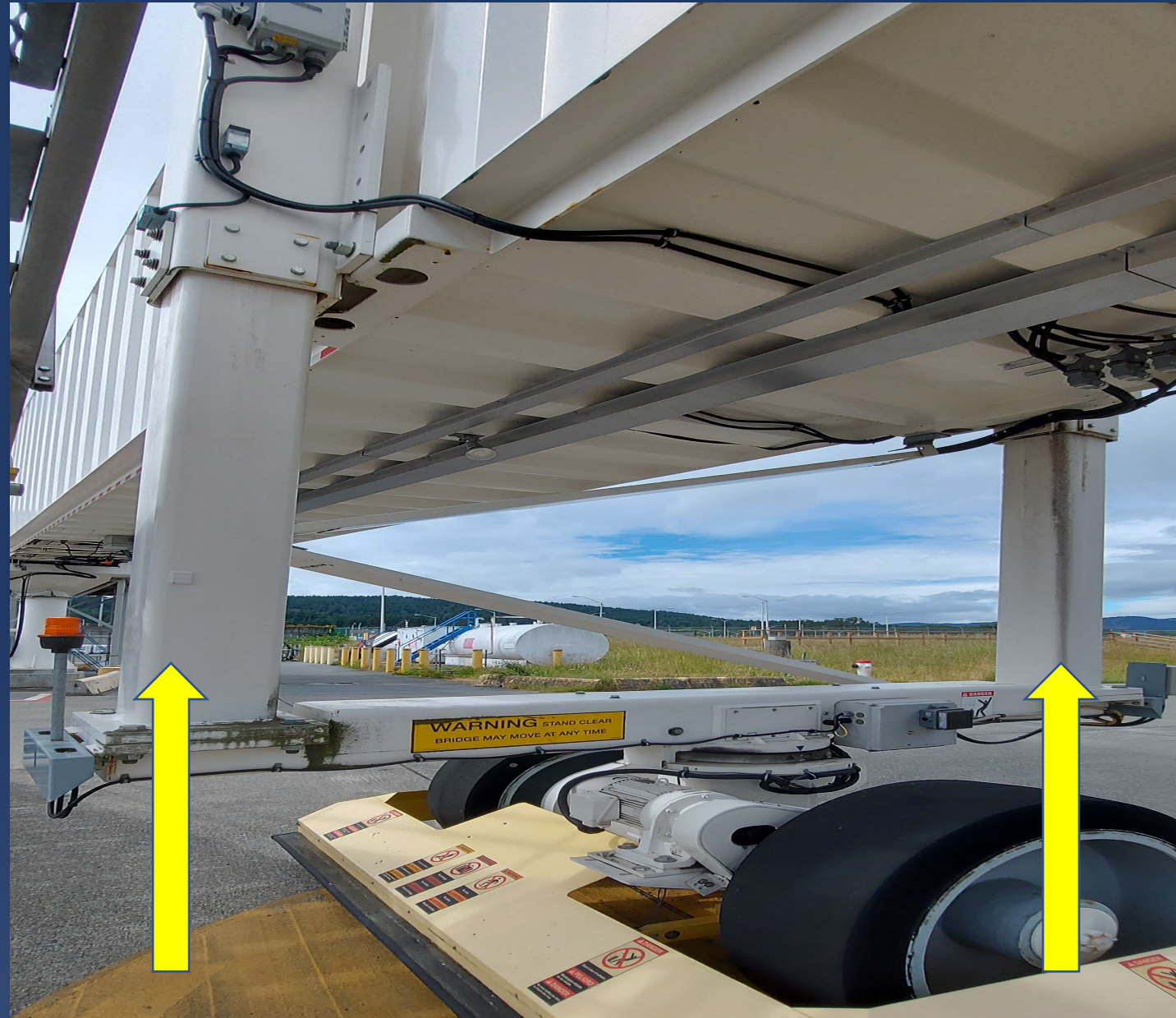


**Emergency stop button located
on the wheel/drive assembly**



E-stop pushed in will deactivate the bridge

E-stop pulled out will reactivate the bridge



Vertical Drive Columns



Vertical Drive Columns allow the bridge to be raised and lowered



Cab Section



This section rotates to allow mating with the aircraft

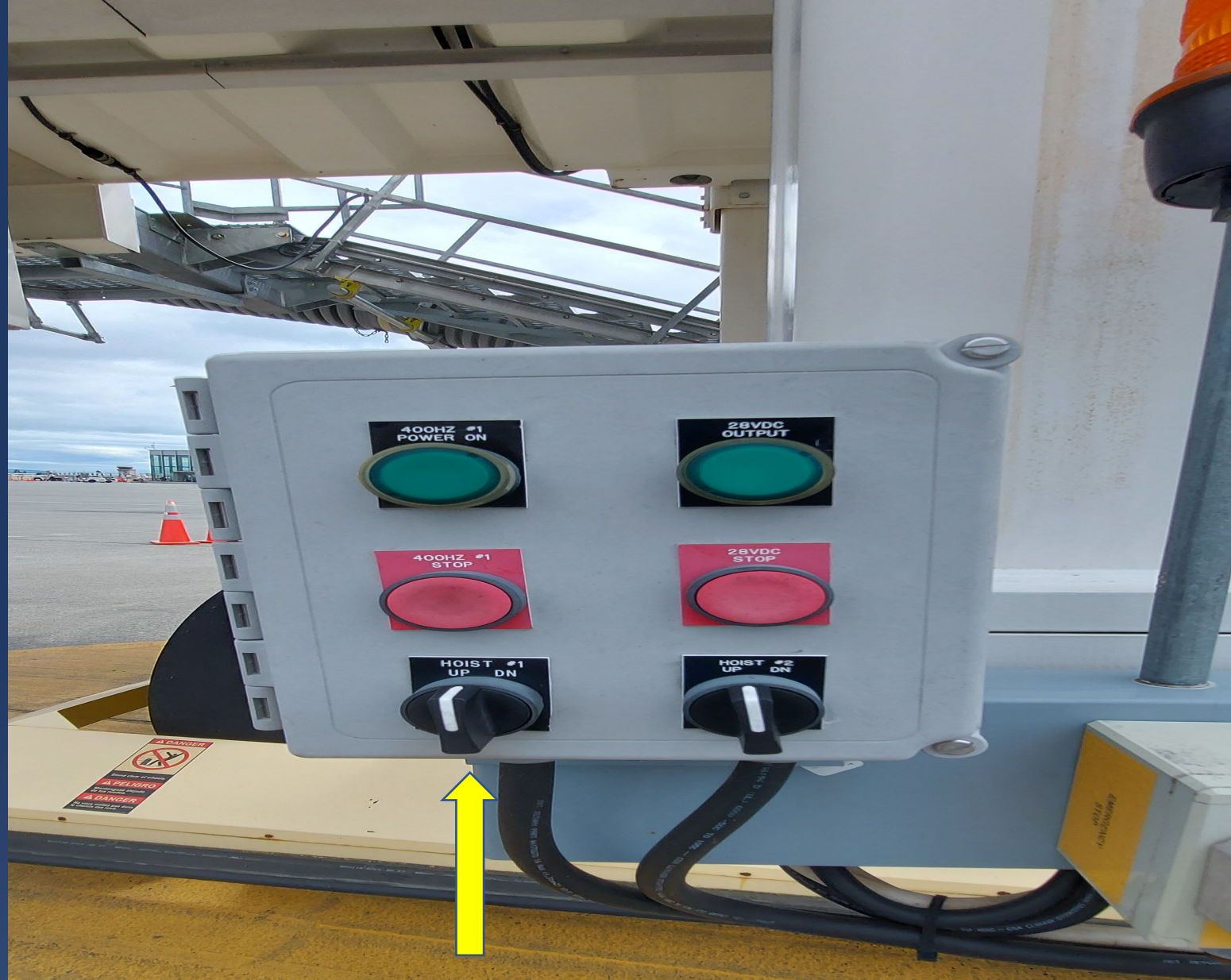
Ground Power Unit for Bridge Connection at 400Hz



Access restricted to VAA personal only



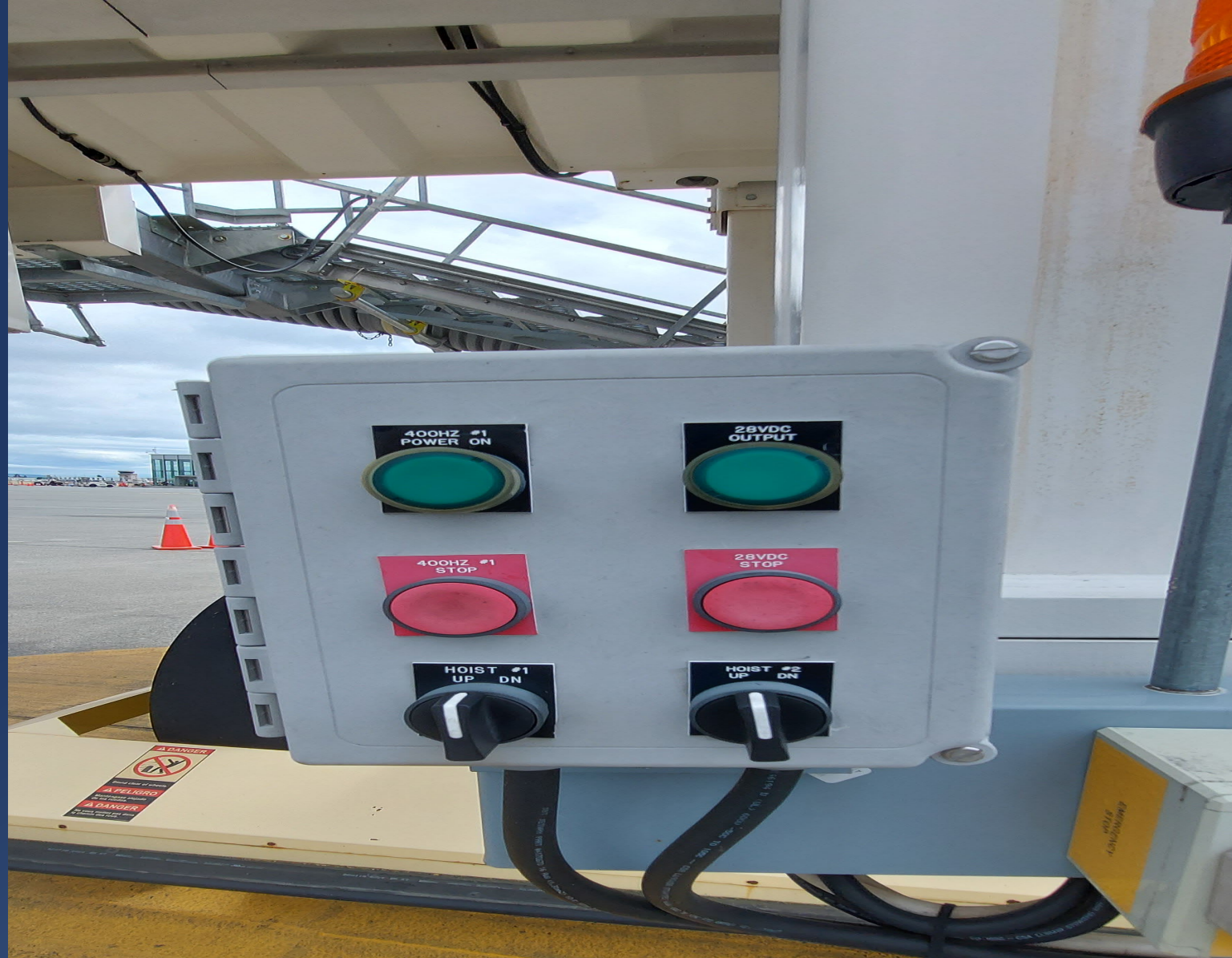
The ground power cable



Lower cable with toggle switch



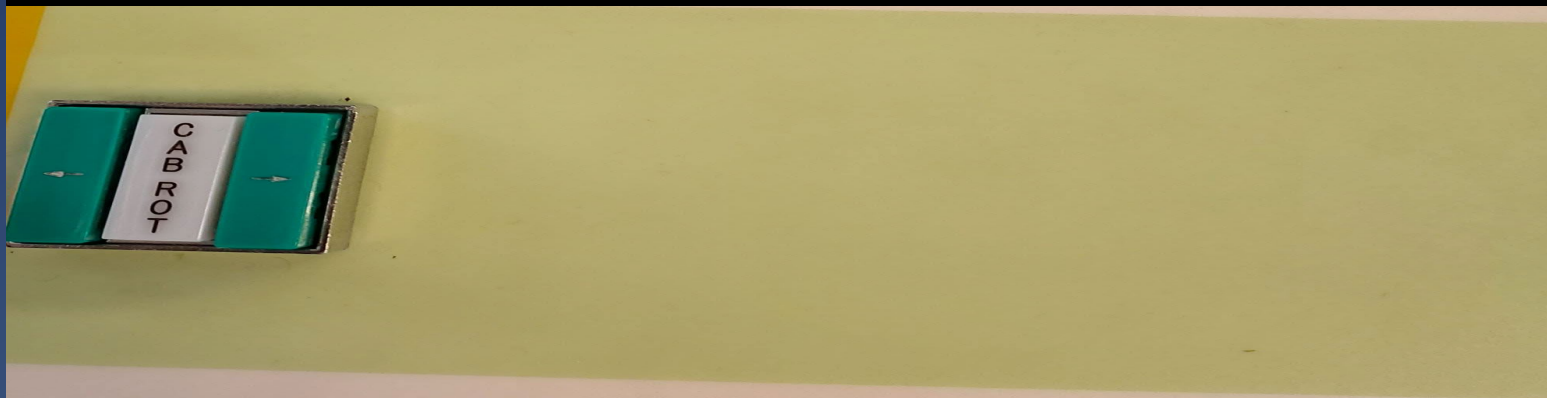
Attach connection point to the aircraft before engaging power with the green button

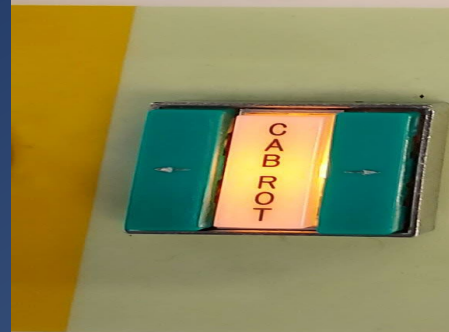


Turn power off with the red button before releasing connection point from aircraft



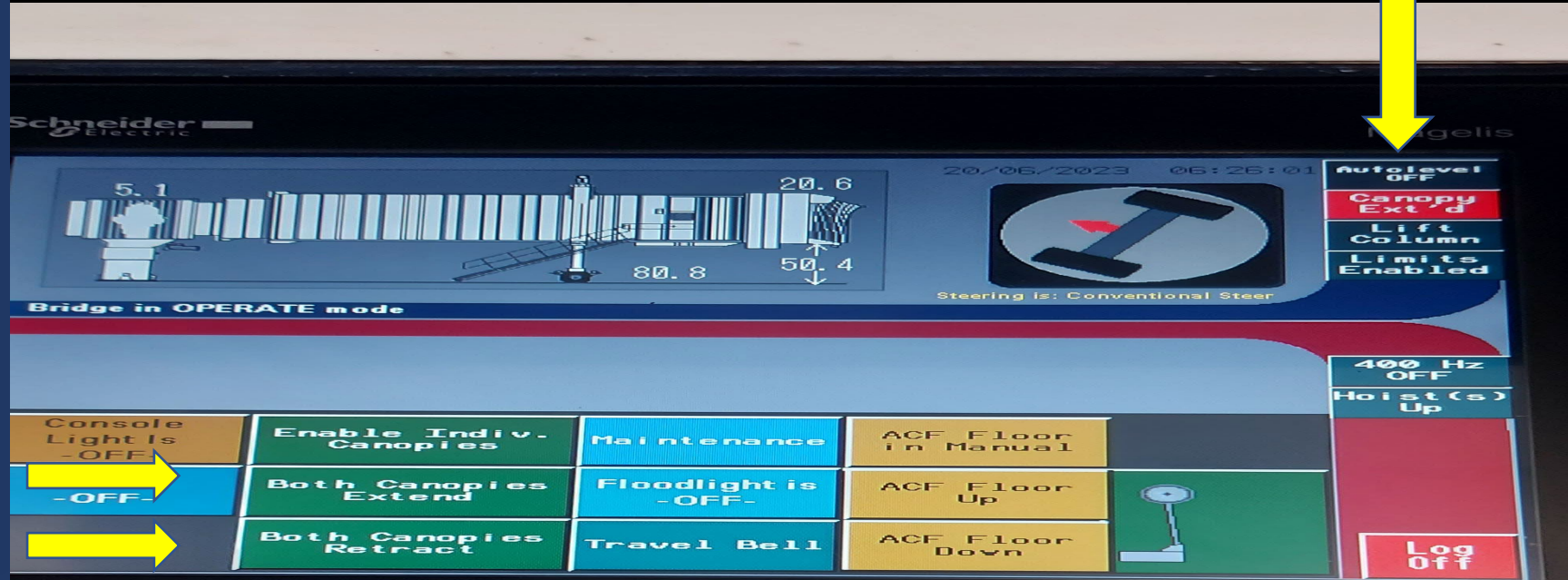
Password for console is: 1





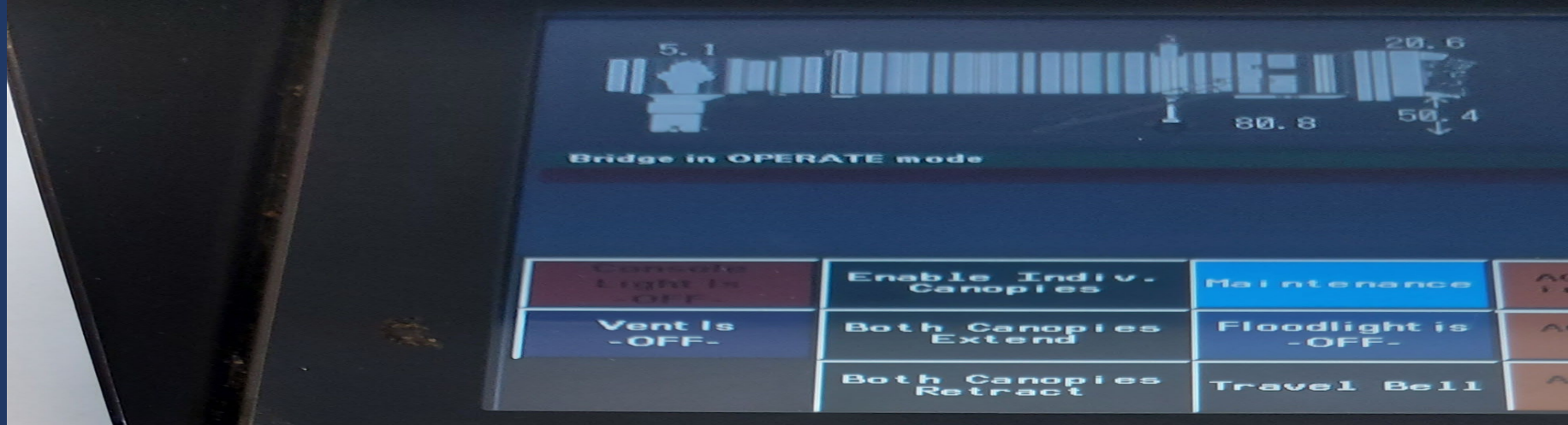
The bridge will not operate if any of the cab end doors are open

Showing canopies extended.
Bridge will not move as a result.



Press and hold to extend or retract canopies





 **Emergency stop button**



The cab rotate buttons will rotate the cab to mate with an aircraft by pressing arrow in direction intended



The vertical drive button adjusts the height of the bridge. The up arrow raises the bridge, pressing the down arrow lowers the bridge

Press and hold red trigger for 5 secs prior and during moving the bridge



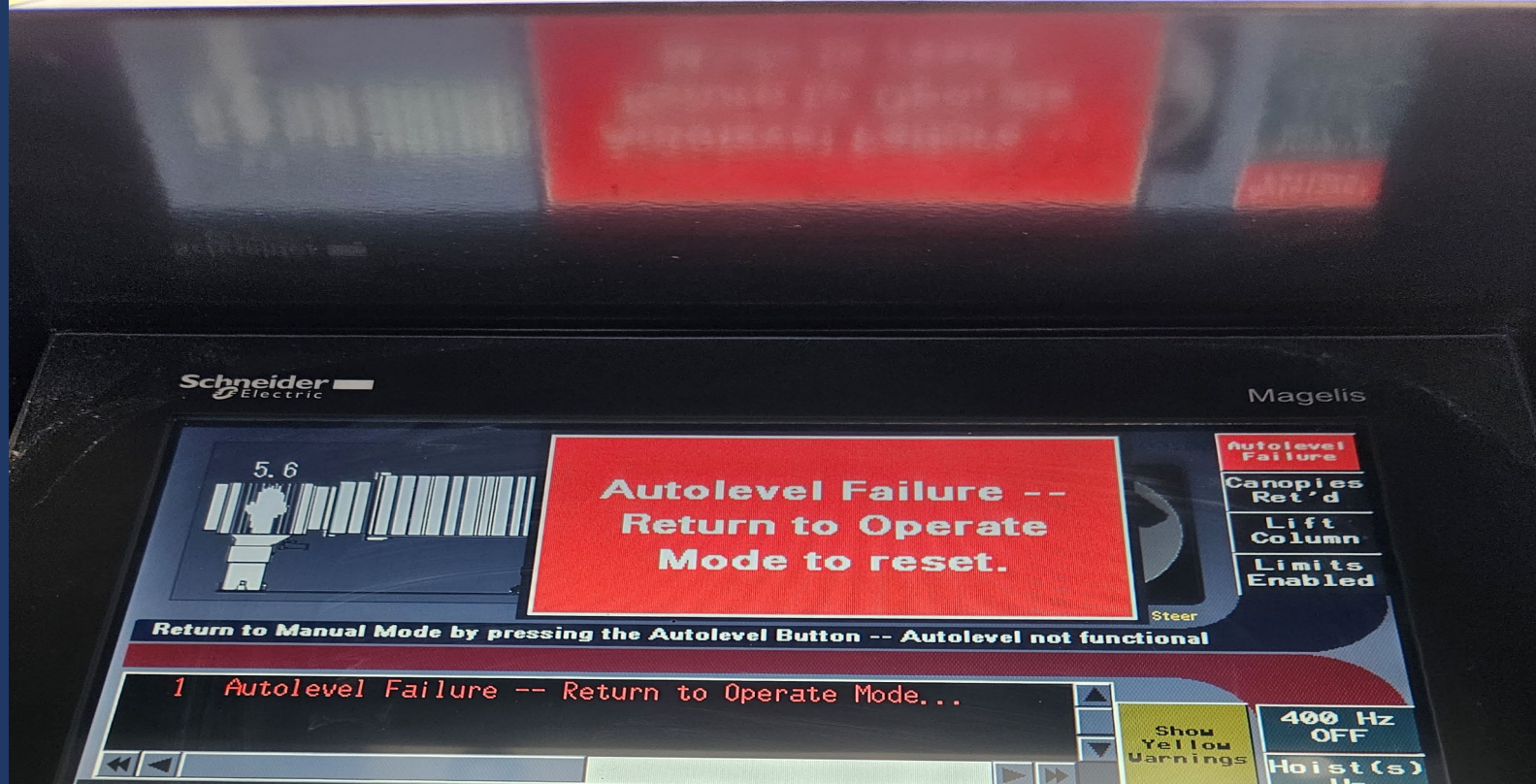
The joystick drives the horizontal wheel forward, back, left and right.



Auto level turns green when activated



Press the green auto level icon to engage auto level operation.



Auto leveler alarm reset steps:

1. Turn the bridge off and then turn it back on.
2. Put the bridge under manual control and reposition it so that the auto leveler wheel contacts the aircraft.
3. Turn the bridge back to the auto level mode.

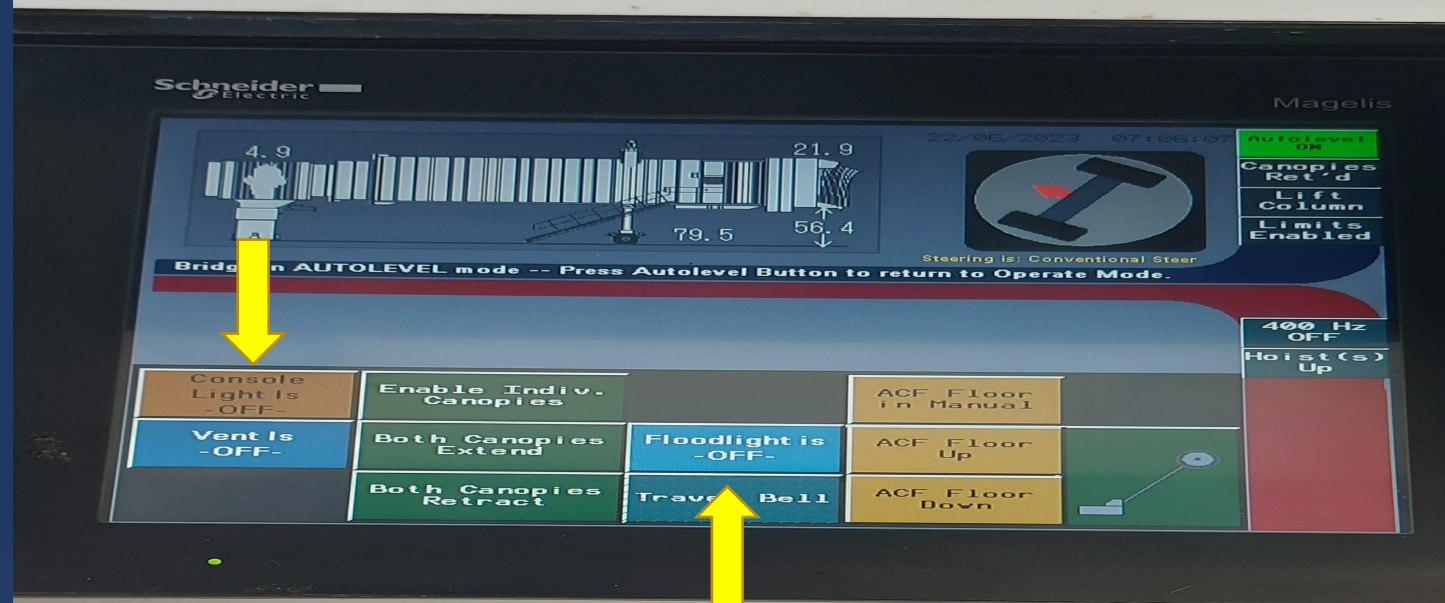


When the E-stop button is pressed it will cut all power and the bridge will cease operating.



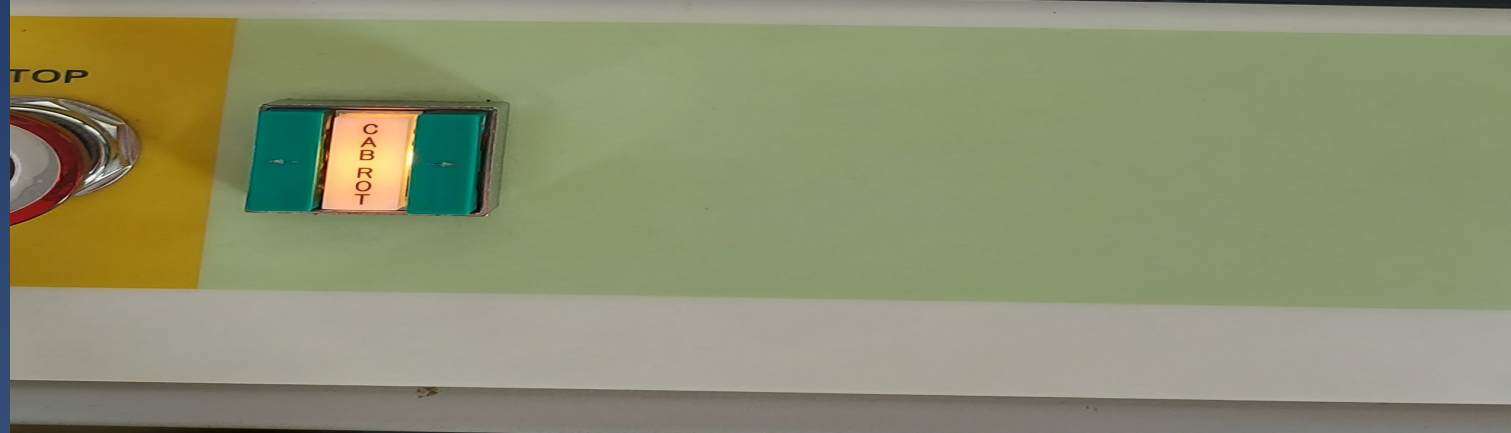
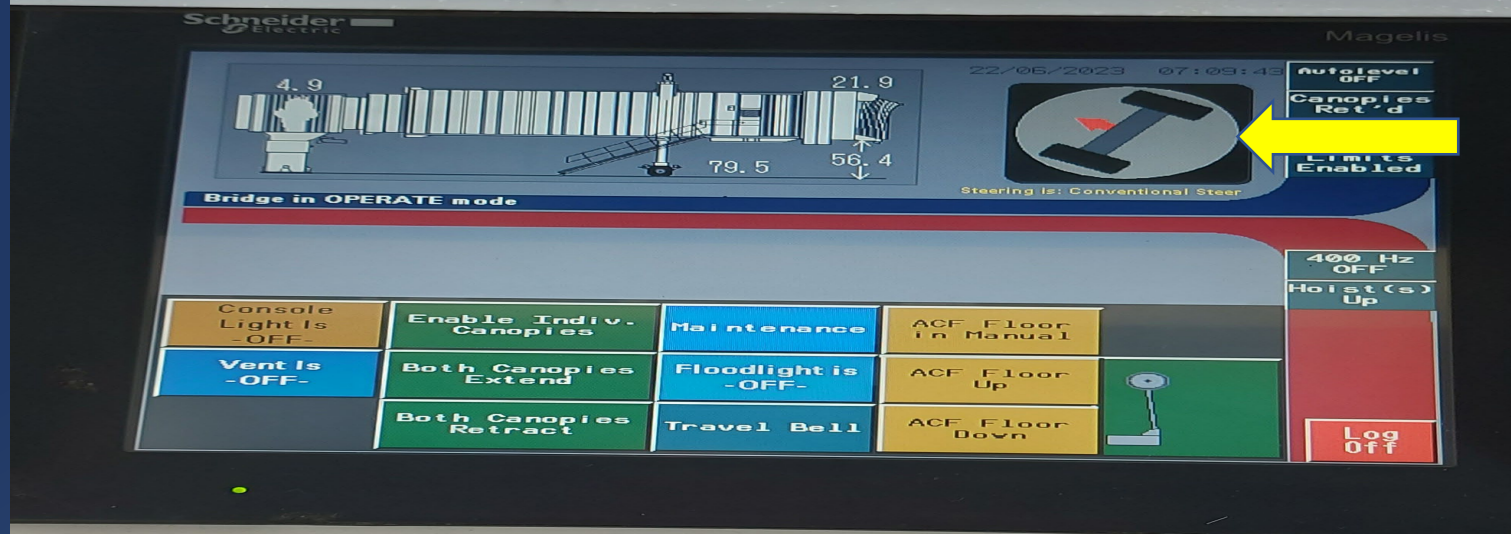
To return to normal operating mode after using E-stop button, pull switch up to its original position and enter password.

The Console Flood Light Switch lights up the Control Panel for nighttime use.

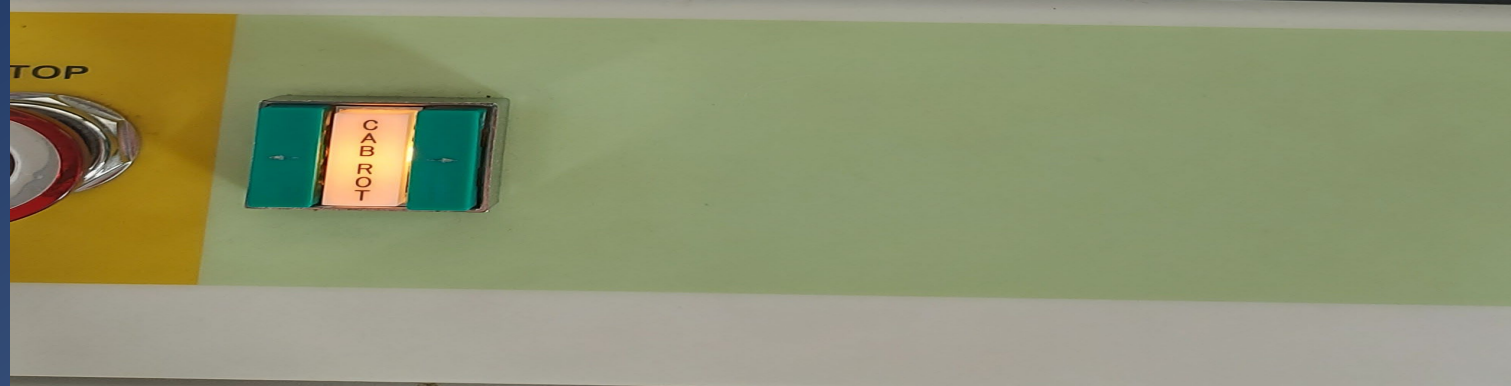
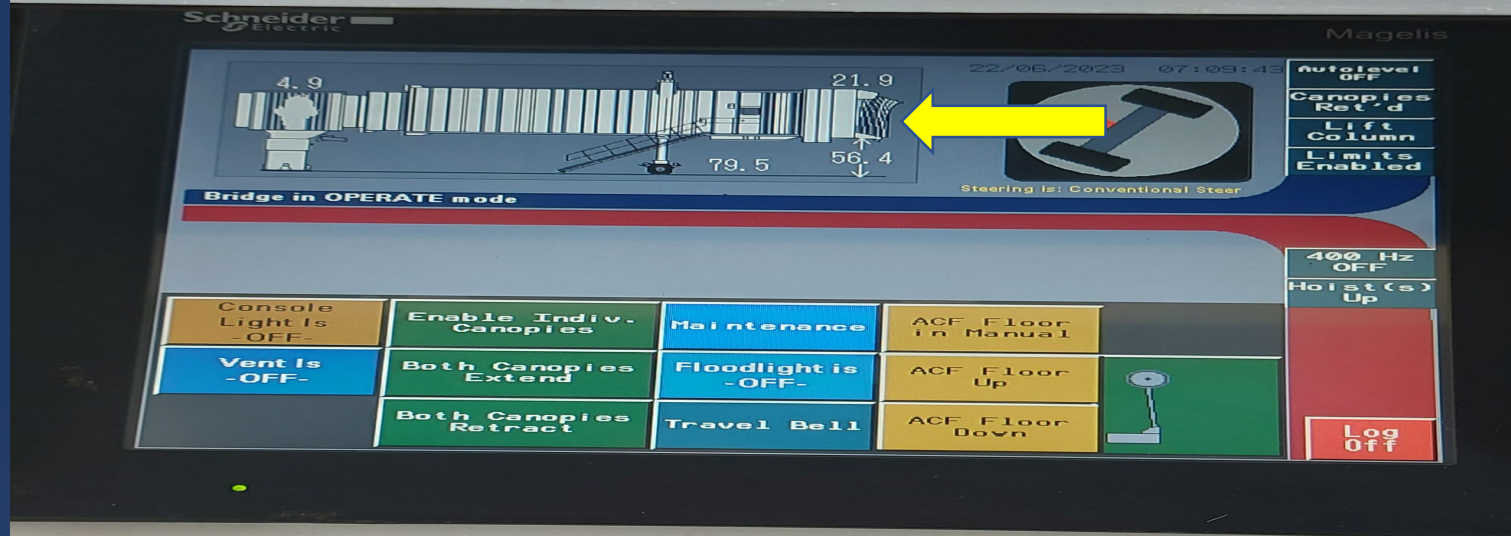


The Flood Light Switch creates a lit area below the cab for better visual when viewing through the camera at night.

The information display window shows the operator the angle and direction of the bridge wheels.



The information display window informs the operator of the bridge angle, grade of tilt and vertical drive column angle.



If there are no error messages, then the bridge is ready and safe to operate

