

LSH LIFT SYSTEM HEAVY



future automation

INTEGRATION CONSIDERATIONS



High Risk - Crushing

Crush hazard between the base panel and the cabinet top as the lift closes.



Mitigation

Install a pressure switch below the top panel to detect any obstructions. A pressure switch can be installed between two timber panels to allow the vertical movement required for switching.



High Risk - Crushing

Crush hazard at the cabinet aperture when mechanism is opening.



Mitigation

The implementation of a box enclosure with tight shadow gaps can help alleviate this risk. The cabinet top should be floating/ not permanently fixed to allow vertical movement if an obstruction is caught between it and the base panel. Install a pressure switch below the cabinet top to detect any obstructions.



High Risk - Crushing

Crush hazard below the mechanism when mechanism is closing.

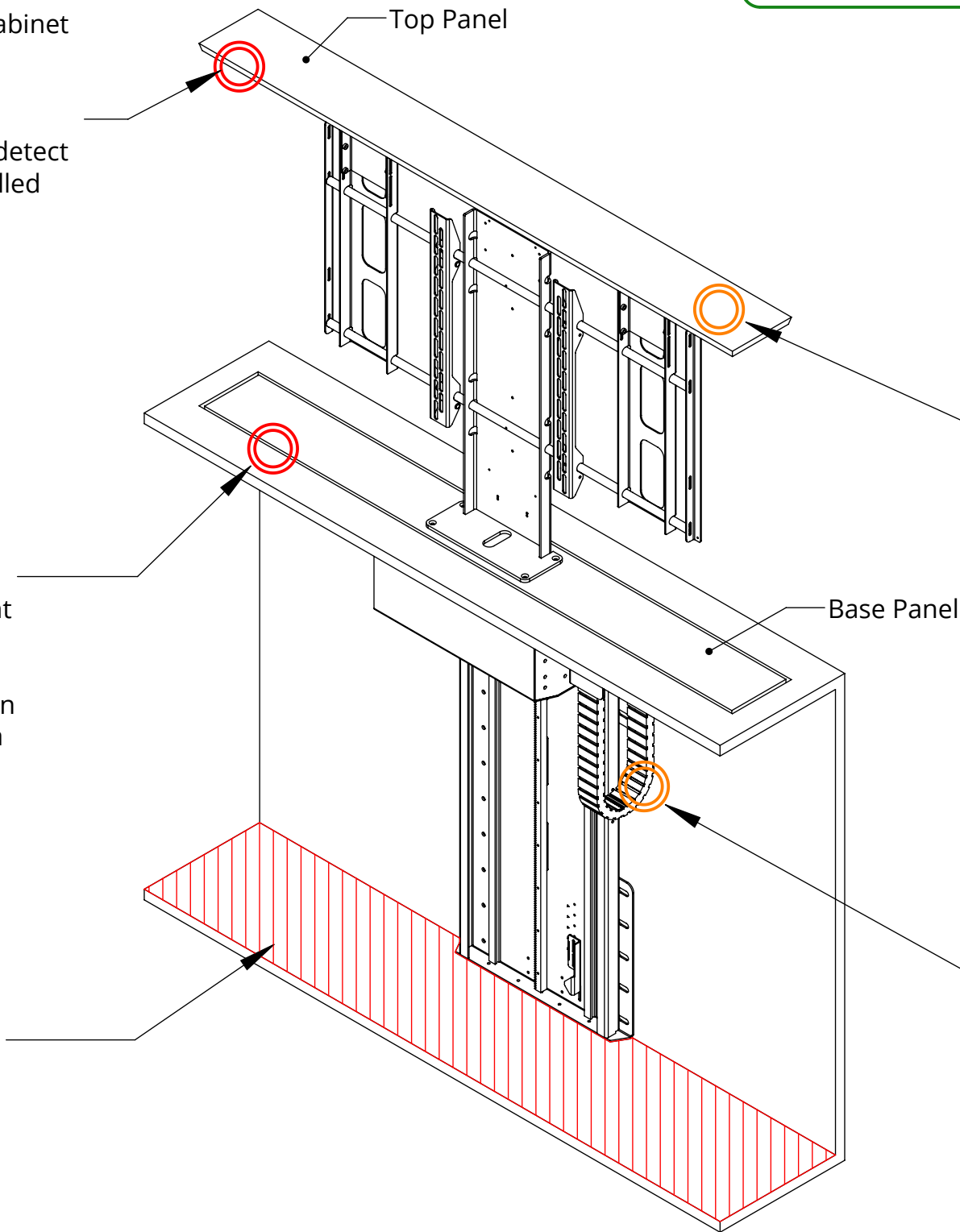


Mitigation

Ensure area below the mechanism is kept clear at all times when the mechanism is being used. If installing or maintaining the mechanism do so with the mechanism turned off.

General Mitigations:

- Implement a hold to run/dead man switch operation.
- Control methods should be located within direct line of site of the mechanism.
- Implement password or key switch protected operation.



Low Risk - Falling Objects

Falling object hazard if objects are left on top of the top panel.



Mitigation

See general mitigations.



Low Risk - Crushing

Cables could be snagged if not properly managed through and around the mechanism, causing damage to the mechanism and electronics.



Mitigation

Ensure sufficient cable slack is allowed around movement joints to prevent stretching and/ or damage to the cables and/ or mechanism.