




I-LSH-S


INVERTED LIFT SYSTEM HEAVY WITH SWIVEL


INTEGRATION CONSIDERATIONS


 **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.

 **Low Risk - Crushing**
Crush hazard between the base panel and the ceiling as the lift closes.

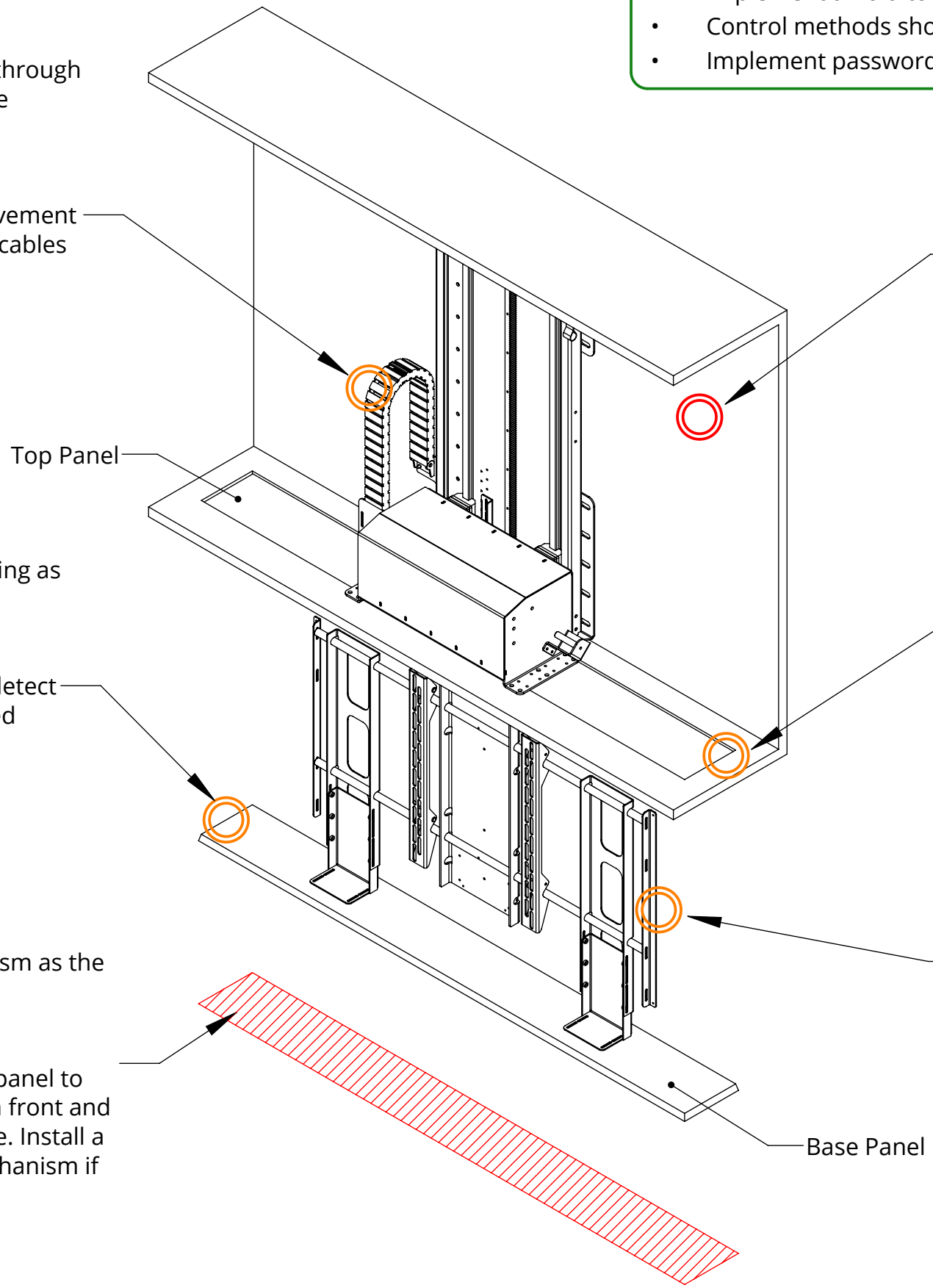
 **Mitigation**
Install a pressure switch above the base panel to detect any obstructions. A pressure switch can be installed between two timber panels to allow the vertical movement required for switching.


 **High Risk - Crushing**
Crush hazard if objects are left under the mechanism as the lift opens.


 **Mitigation**
Ensure there is sufficient space beneath the base panel to reduce the risk of crushing. Install a light curtain in front and behind the mechanism to create an exclusion zone. Install a pressure pad on any solid surfaces below the mechanism if sufficient space cannot be allocated.


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.





 **High Risk - Crushing**
Crush hazard above the mechanism when mechanism is operating closing.

 **Mitigation**
Ensure area above 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.

 **Low 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. Install a pressure switch around the aperture to detect any obstructions.

 **Low Risk - Impact**
Impact hazard around mechanism when swivelling.

 **Mitigation**
Set swivel limits to prevent impact with surrounding objects/ structures. Ensure sufficient space is left between the screen and any obstructions.