

RE: Conveyance Disconnect Demarcation Point for Electrical and Elevator

The purpose and intent of this document is to provide clarification of the agreed demarcation point of two critical jurisdictional issues dealing with the L&I Safety Programs for Electrical and Elevator. The statement that provides this clarification is as follows;

## ***Conveyance Disconnect Demarcation Point***

### ***Work Jurisdiction***


The electrical contractor shall provide the main power supply conductors from the load side of the main line disconnect to a demarcation point on the conveyance equipment as designated by the elevator contractor. Termination of the main power supply conductors to the conveyance equipment shall be performed by the elevator contractor.

### ***Inspection Jurisdiction***


The electrical inspector shall be responsible for the location and rating of the main line disconnect and wiring to the demarcation point on the conveyance equipment. The elevator inspector shall be responsible for the conveyance operation beginning at the main line disconnect (i.e. battery lowering auxiliary contact, shunt-trip, as applicable).

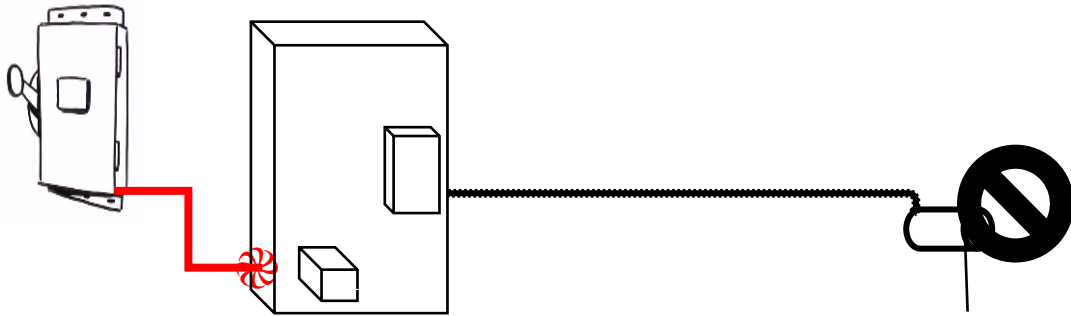
*Exception: In single-family dwellings, the supply from the load side of the electrical disconnect adjacent to a residential conveyance controller may be installed by a licensed electrician or licensed elevator mechanic.*

*Ref: NFPA 70, National Electrical Code; WAC 296-46B-620, WAC 296-96-02460; RCW 19.28; RCW 70.87*

To illustrate examples of these scenarios please see the attached pages for the demarcation point depicted with .

Machine Room disconnect by RCW 19.28 ELO1 electricians and **red** conduit ending at .

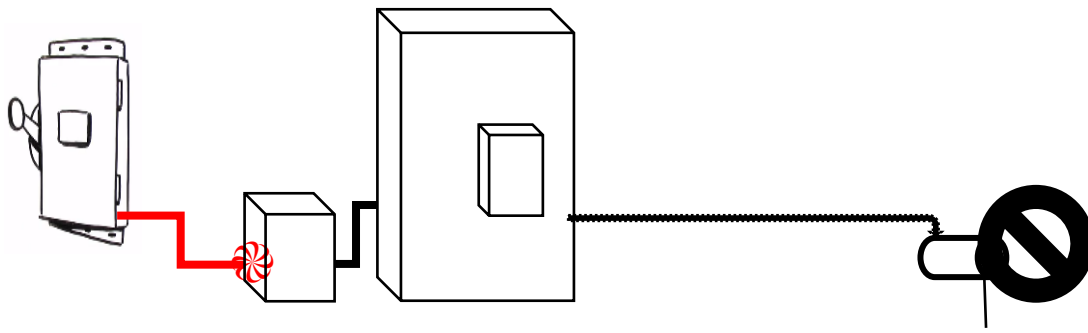
RCW 70.87 Elevator Cat (1) mechanics balance of work starting at .



Disconnect - Controller (Traction w/enclosed smaller drive & transformer, Hydro's, etc.)

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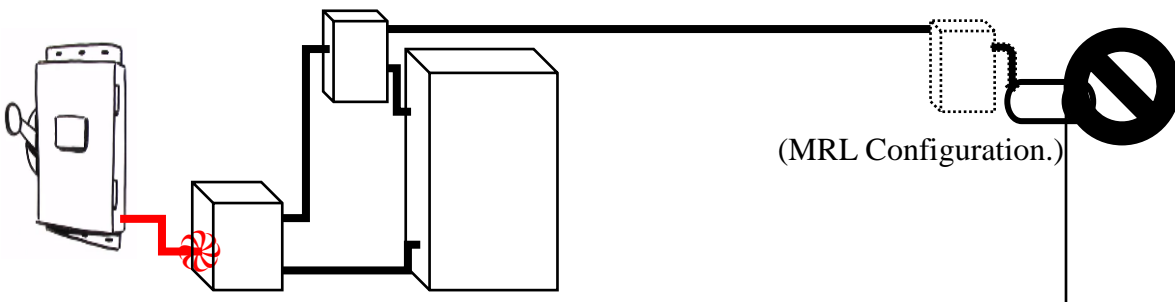
Typical mainline disconnect layout with External Drive Isolation Transformer and internal drive.



Disconnect - DIT - Controller (with internal drive unit.)

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Typical mainline disconnect layout with External Drive Isolation Transformer and external drive.

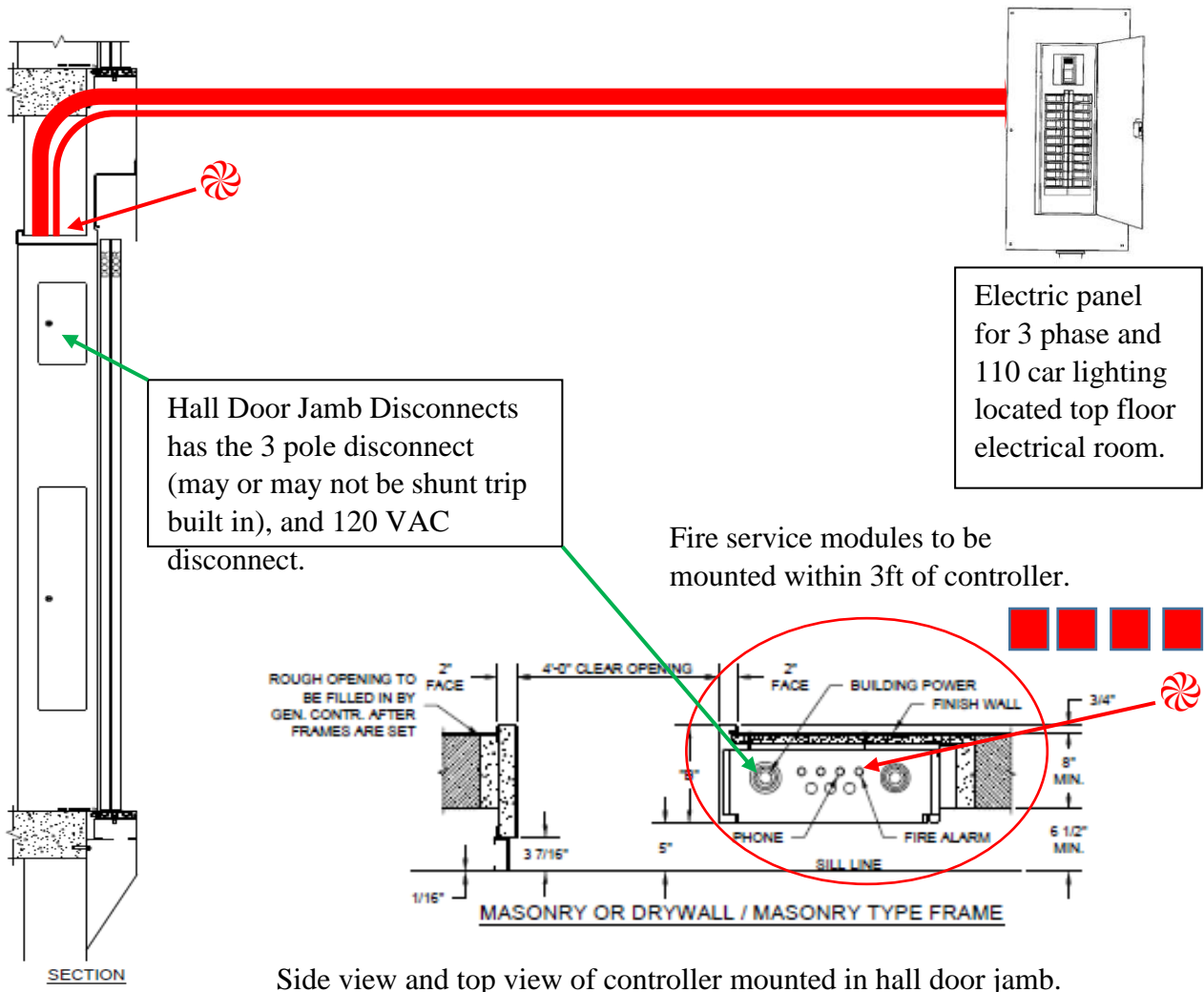


Disconnect - DIT - Drive - Controller (with external drive or located in top of hoistway)

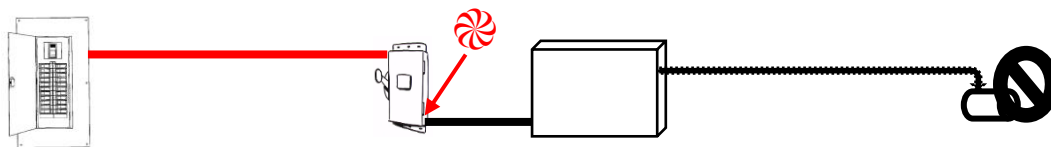
New Technology MRL (Machine Room Less) Traction Elevators. Starting October 1<sup>st</sup> 2021.

**ELECTRICAL CONTRACTOR NOTE:**

3 PHASE POWER, 120V 15 AMP CIRCUIT, FIRE ALARM, AND PHONE TO BE ROUTED TO THE TOP OF THE CONTROLLER AT THE CONTROLLER LANDING.



Typical residential disconnect showing exemption for disconnect load-side wiring.



Residential panel - New Mainline Disc. - Residential lift Controller - Lift motor