

# Savaria Residential Elevators

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Crown Park Single Family Homes  
(Across from the RIO)

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# Crown Park Single Family Homes

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- 3,900-4,900 square feet
  - 3 – 4 floors tall
  - 150-850 square feet of outdoor terraces
  - Metal spiral staircases outside on rear of house on floors 2-4
  - 3 Car garages
  - 10' Ceilings
  - Integrated optional Savaria Residential Elevator (4 floors)
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- These elevators are starting to appear (2020) in Company 26's area around Montgomery Mall in new construction.

# Site Map of Crown Park SFH



# Savaria Elevator Specifications

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- Max Payload – 950 lbs
- Rate of Speed – 40 feet per minute
- Drive System – Automatic 2 HP geared motor roller chain variable frequency drive, complete with counterweight
- Pit Depth – 6-11 inches
- The Pit should contain a Manual Lowering Device (Elevator tool)

# Elevator Tool



The tool is known as a Manual Lowering Device in the Elevator trade.  
Savaria calls it a "Manual Hand Crank."

# Elevator Interior



Decorative Outer Door



Inner Folding Door

# Process to Access Hoist Way

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Access at top right of door



V-style key needed for access

# Elevator Key Access

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1. Insert V-shaped Key
2. Pull down on key to lift pin
3. Hold in place while pulling outer door open

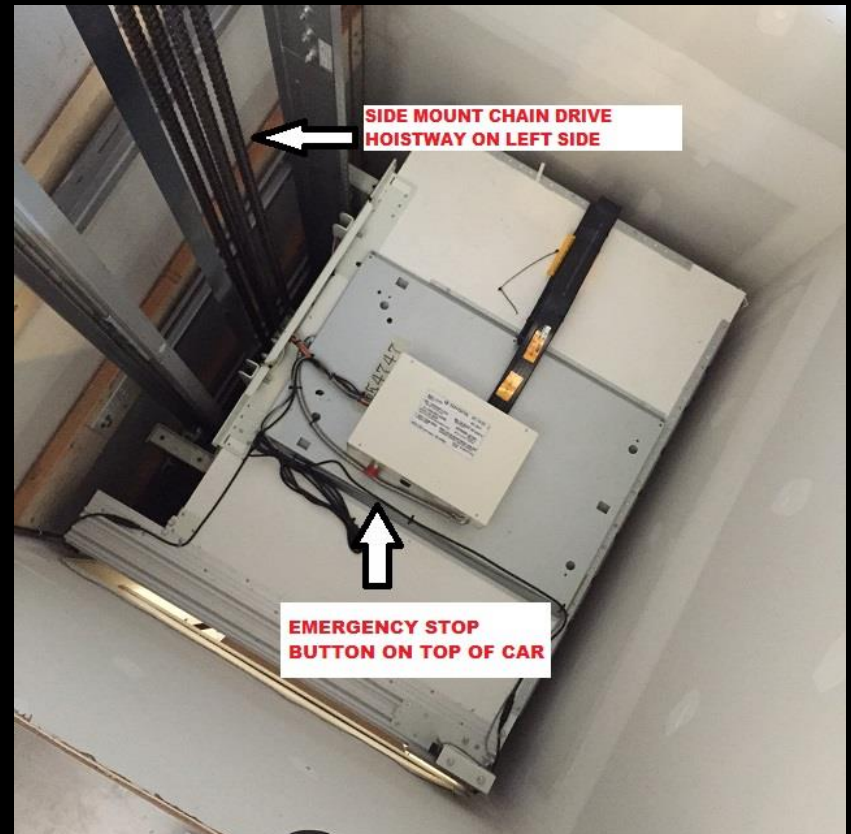




# Top of Rail Car

Use a tool to depress the emergency stop on the roof of the rail car if accessible.

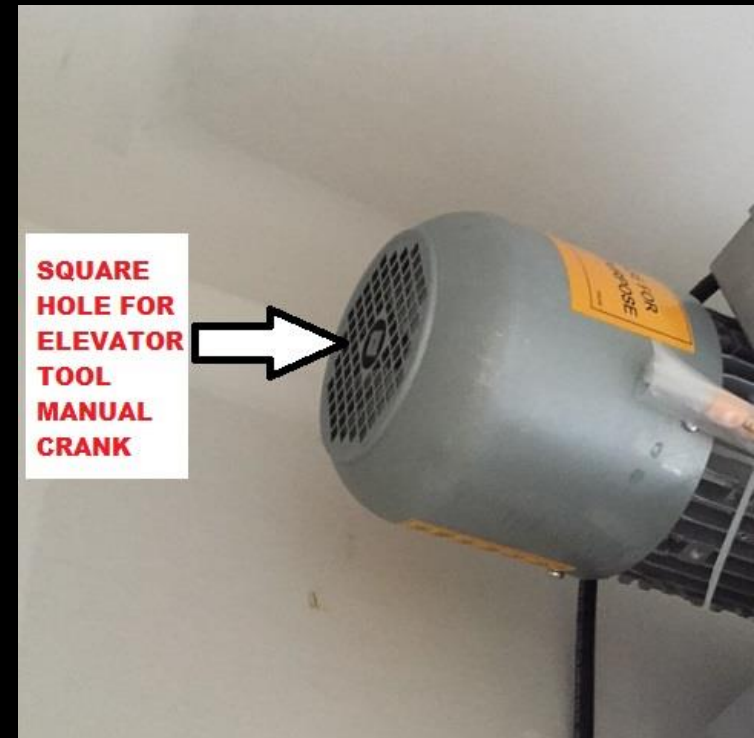
Notice that the rail system is only located on the left (or right) wall and is chain driven by an electric motor.



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Square end of Manual Lowering Device inserts into end of motor and can be used to “wheel” the car down to the next appropriate floor

Ensure power is secure to the elevator before attempting to move the car in any direction.



# View of Motor Assembly

Currently there is no access to fit the tool inside the elevator shaft and lower the elevator.

If you need to use the tool, you will have to measure appropriately on exterior of wall surrounding the elevator and punch a hole in the drywall to gain access with tool.

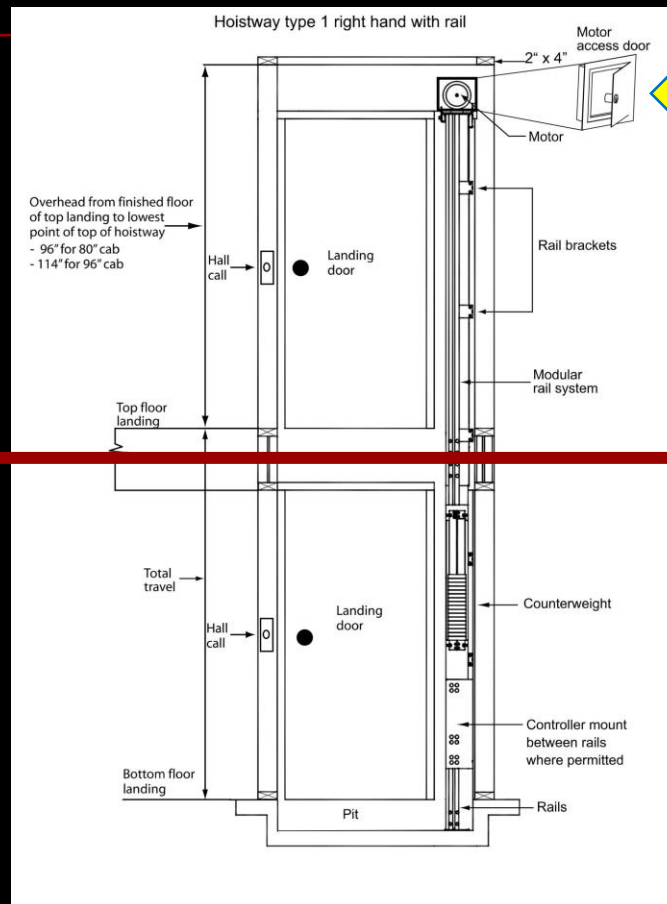
Contractor might be installing access panels at some point that look like an outlet cover.



# Example of Motor Access Door (if installed)

Top Floor

Bottom Floor



# Lowering Procedure

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- In the event of a power failure, batteries lower the cab to the next level and open the doors.
- Should the batteries fail, use the telephone to call for help, if equipped. A technician can use the Manual Hand Crank to lower the elevator.
  - 1) Instruct the person(s) in the elevator to remain calm and to stay well back from the door of the elevator. Ease their concern by telling them your intentions.
  - 2) Turn the Main Disconnect Switch to the “OFF” position.
  - 3) Locate the Motor Access Door, insert the Manual Hand Crank onto the motor shaft, and crank the elevator to the next lowest level.
  - 4) Use the Emergency Key to open the elevator door.
  - 5) To exit the cab, open the landing door and assist the passenger(s).

# Links and Resources

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- Savaria Eclipse Elevator Operator's Manual
  - <https://www.savaria.com/public-document/file/download/100772798110700327>
- Savaria Eclipse Elevator Planning Guide – shows access door (p.25)
  - <https://www.savaria.com/public-document/file/download/136746427217046724>
- Savaria Eclipse Residential Elevator Owner's Manual
  - [https://www.mobilityelevator.com/wp-content/uploads/2014/10/file\\_Eclipse\\_owners\\_manual\\_000626\\_28\\_m09\\_2010.pdf](https://www.mobilityelevator.com/wp-content/uploads/2014/10/file_Eclipse_owners_manual_000626_28_m09_2010.pdf)